

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111592.D
 Acq On : 19 Dec 2018 15:33
 Operator : JU/SJ
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 16:20:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 16:16:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	226144	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	810697	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	410648	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	771716	20.00	ng	0.00
76) Chrysene-d12	14.05	240	592046	20.00	ng	0.00
87) Perylene-d12	15.52	264	491326	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1037989	76.38	ng	0.00
7) Phenol-d6	6.52	99	1320122	73.03	ng	0.00
23) Nitrobenzene-d5	7.46	82	1169326	85.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	399579	108.62	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2205807	82.97	ng	0.00
79) Terphenyl-d14	13.00	244	2474135	98.13	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.71	88	242686	36.975	ng	98
3) Pyridine	3.46	79	631611	38.315	ng	98
4) n-Nitrosodimethylamine	3.41	42	312191	41.693	ng	87
6) Aniline	6.56	93	852152	38.003	ng	99
8) 2-Chlorophenol	6.68	128	581256	35.796	ng	99
9) Benzaldehyde	6.45	77	449032	40.953	ng	97
10) Phenol	6.53	94	700427	34.783	ng	97
11) bis(2-Chloroethyl)ether	6.63	93	562463	35.631	ng	98
12) 1,3-Dichlorobenzene	6.84	146	674601	37.741	ng	99
13) 1,4-Dichlorobenzene	6.92	146	683368	37.666	ng	97
14) 1,2-Dichlorobenzene	7.07	146	636962	37.319	ng	98
15) Benzyl Alcohol	7.03	79	534357	38.849	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1038862	33.705	ng	100
17) 2-Methylphenol	7.14	107	466536	35.700	ng	95
18) Hexachloroethane	7.42	117	233157	34.532	ng	# 83
19) n-Nitroso-di-n-propylamine	7.31	70	433533	36.351	ng	94
20) 3+4-Methylphenols	7.30	107	589267	35.948	ng	93
22) Acetophenone	7.30	105	815829	45.080	ng	# 90
24) Nitrobenzene	7.47	77	615724	44.336	ng	96
25) Isophorone	7.72	82	997086	43.285	ng	97
26) 2-Nitrophenol	7.79	139	258211	35.852	ng	96
27) 2,4-Dimethylphenol	7.83	122	478283	45.807	ng	97
28) bis(2-Chloroethoxy)methane	7.93	93	661678	41.609	ng	98
29) 2,4-Dichlorophenol	8.03	162	510688	45.818	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	564864	48.411	ng	98
31) Naphthalene	8.20	128	1568529	41.366	ng	97
32) Benzoic acid	7.93	122	267961	29.698	ng	94
33) 4-Chloroaniline	8.25	127	683064	40.511	ng	99
34) Hexachlorobutadiene	8.33	225	344051	53.521	ng	99
35) Caprolactam	8.62	113	171828	41.522	ng	98
36) 4-Chloro-3-methylphenol	8.72	107	499933	40.749	ng	97
37) 2-Methylnaphthalene	8.89	142	1021275	39.803	ng	99
38) 1-Methylnaphthalene	8.99	142	982849	39.650	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	542462	48.169	ng	# 98

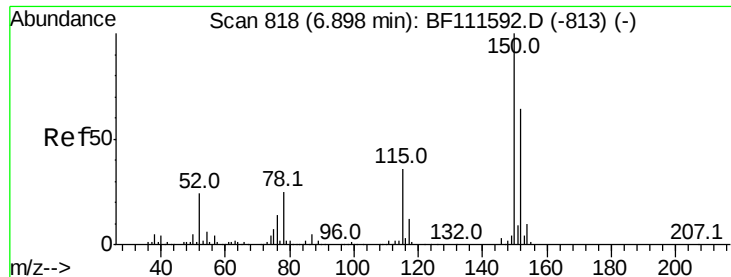
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	269033	46.530	nq	99
43) 2,4,6-Trichlorophenol	9.16	196	358091	44.927	nq	100
44) 2,4,5-Trichlorophenol	9.20	196	377315	44.486	nq	92
46) 1,1'-Biphenyl	9.36	154	1388304	39.900	nq	95
47) 2-Chloronaphthalene	9.38	162	1095620	41.425	nq	95
48) 2-Nitroaniline	9.47	65	296770	34.558	nq	98
49) Acenaphthylene	9.80	152	1598427	40.716	nq	96
50) Dimethylphthalate	9.66	163	1208588	40.867	nq	97
51) 2,6-Dinitrotoluene	9.71	165	248626	37.349	nq	90
52) Acenaphthene	9.97	154	976251	39.344	nq	98
53) 3-Nitroaniline	9.88	138	283324	35.041	nq	# 90
54) 2,4-Dinitrophenol	9.97	184	66025	26.070	nq	# 1
55) Dibenzofuran	10.14	168	1501662	41.693	nq	95
56) 4-Nitrophenol	10.02	139	215328	38.482	nq	89
57) 2,4-Dinitrotoluene	10.11	165	304391	34.838	nq	96
58) Fluorene	10.48	166	1062381	40.666	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	317579	47.923	nq	89
60) Diethylphthalate	10.36	149	1188885	39.686	nq	98
61) 4-Chlorophenyl-phenylether	10.47	204	585436	45.804	nq	92
62) 4-Nitroaniline	10.49	138	256868	32.092	nq	90
63) Azobenzene	10.63	77	1191664	40.350	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	119470	27.422	nq	96
66) n-Nitrosodiphenylamine	10.59	169	1045530	39.287	nq	99
67) 4-Bromophenyl-phenylether	10.96	248	379166	45.586	nq	92
68) Hexachlorobenzene	11.03	284	429322	50.179	nq	# 90
69) Atrazine	11.12	200	359523	46.746	nq	96
70) Pentachlorophenol	11.22	266	279724	53.304	nq	98
71) Phenanthrene	11.44	178	1630196	40.996	nq	96
72) Anthracene	11.49	178	1629038	40.058	nq	96
73) Carbazole	11.64	167	1592187	37.861	nq	96
74) Di-n-butylphthalate	11.98	149	1800468	38.443	nq	96
75) Fluoranthene	12.63	202	1654431	42.528	nq	96
77) Benzidine	12.74	184	901862	41.439	nq	99
78) Pyrene	12.86	202	1690897	40.509	nq	97
80) Butylbenzylphthalate	13.47	149	709909	34.892	nq	# 87
81) Benzo(a)anthracene	14.04	228	1332199	41.383	nq	100
82) 3,3'-Dichlorobenzidine	14.00	252	549367	41.979	nq	# 96
83) Chrysene	14.07	228	1333495	39.322	nq	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	877873	33.781	nq	99
85) Di-n-octyl phthalate	14.64	149	1356668	30.950	nq	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	1132166	46.257	nq	# 90
88) Benzo(b)fluoranthene	15.09	252	1188491	41.490	nq	# 97
89) Benzo(k)fluoranthene	15.09	252	1188491	43.422	nq	98
90) Benzo(a)pyrene	15.46	252	1047672	40.559	nq	# 94
91) Dibenzo(a,h)anthracene	17.02	278	945307	46.392	nq	# 93
92) Benzo(g,h,i)perylene	17.44	276	932400	46.617	nq	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

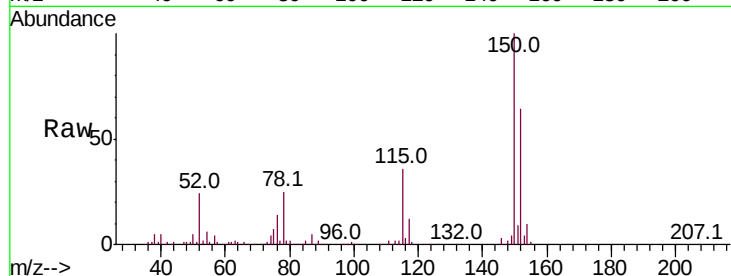
Tot Ion:152 Resp: 226144

Ion Ratio Lower Upper

152 100

150 155.4 126.6 189.8

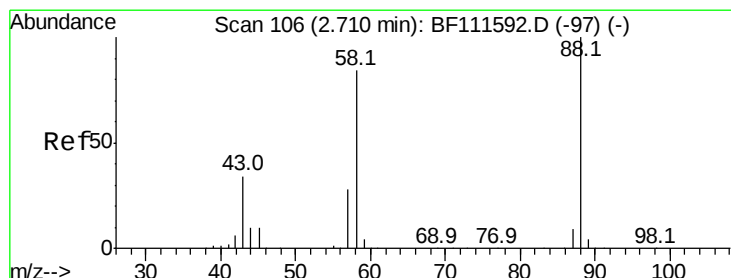
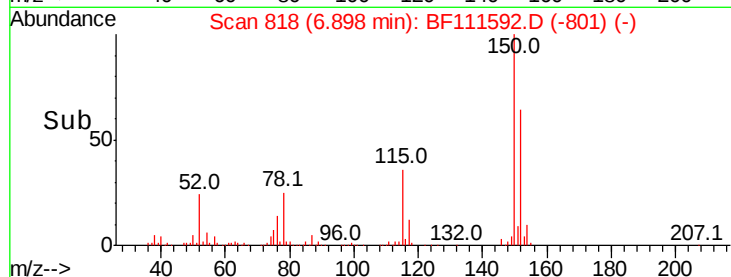
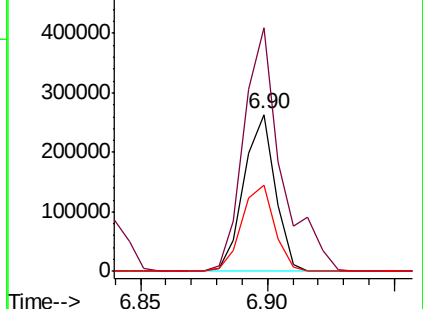
115 55.4 50.7 76.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.975 ng

RT: 2.71 min Scan# 106

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

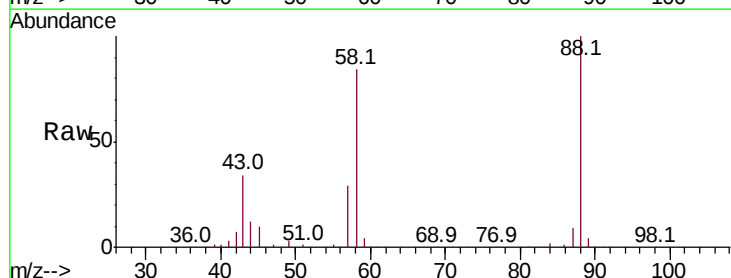
Tgt Ion: 88 Resp: 242686

Ion Ratio Lower Upper

88 100

58 86.1 68.9 103.3

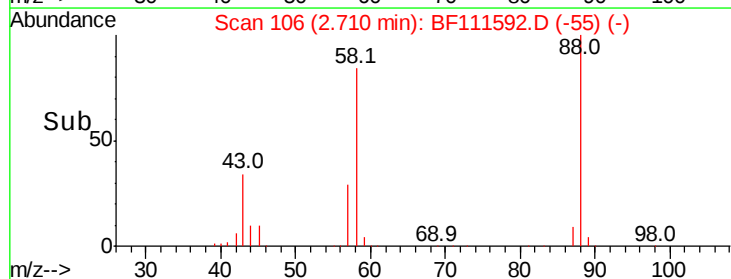
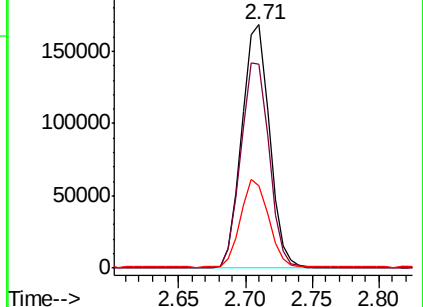
43 36.2 25.8 38.6

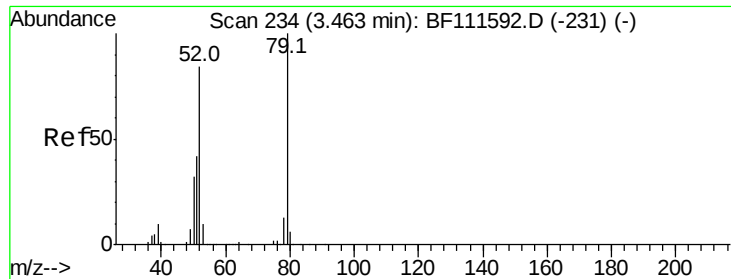


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

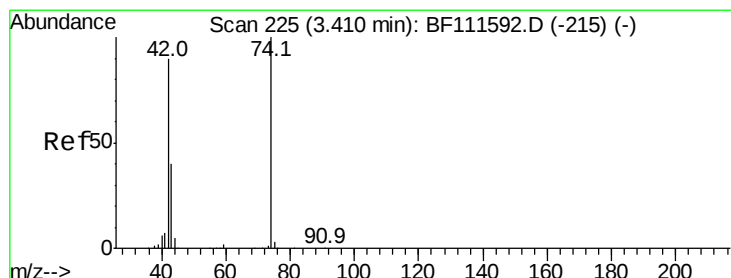
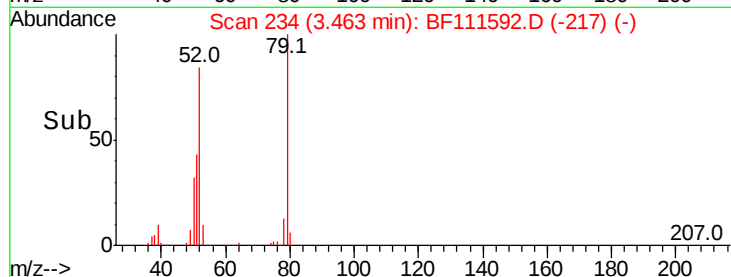
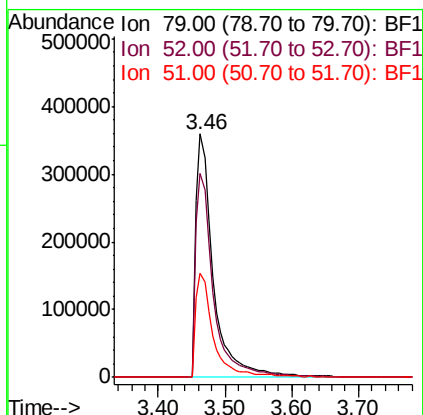
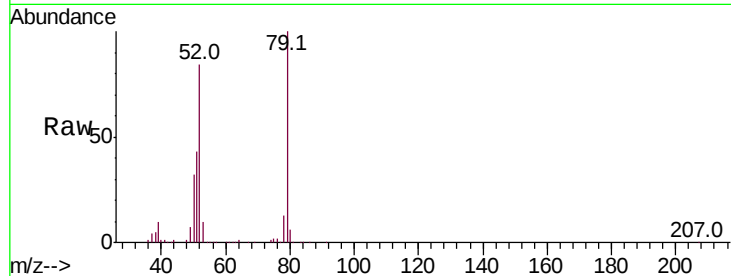




#3
 Pvridine
 Concen: 38.315 ng
 RT: 3.46 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

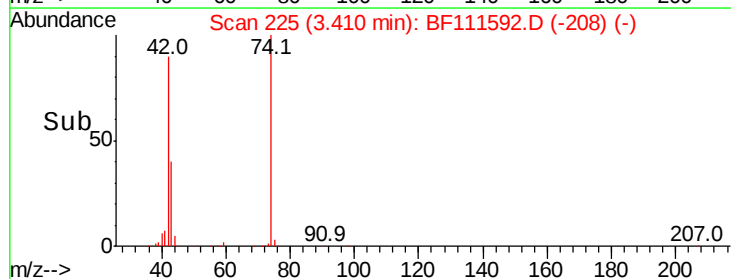
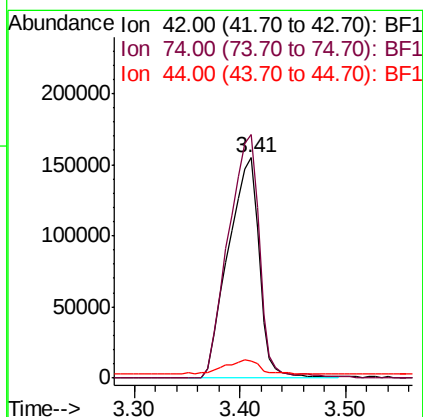
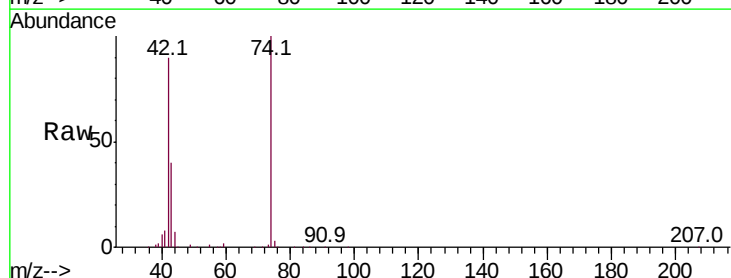
Instrument :
 BNA_F
 ClientSampled :

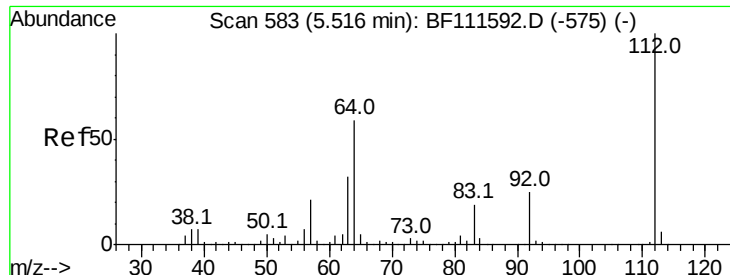
Tot Ion: 79 Resp: 631611
 Ion Ratio Lower Upper
 79 100
 52 83.8 68.3 102.5
 51 42.6 32.6 49.0



#4
 n-Nitrosodimethylamine
 Concen: 41.693 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion: 42 Resp: 312191
 Ion Ratio Lower Upper
 42 100
 74 110.6 101.5 152.3
 44 7.8 6.0 9.0





#5

2-Fluorophenol

Concen: 76.379 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

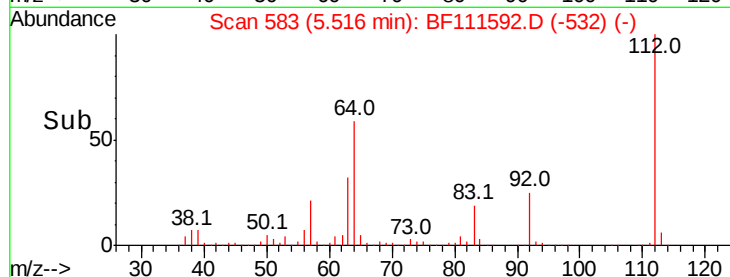
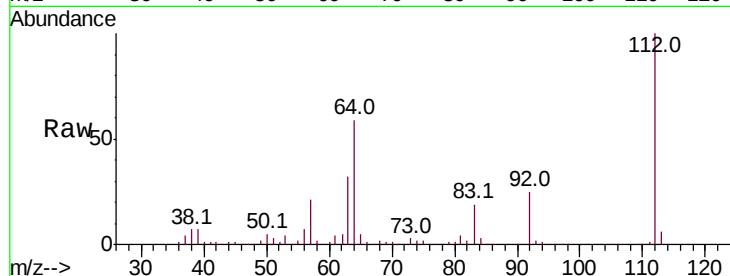
Tot Ion:112 Resp: 1037989

Ion Ratio Lower Upper

112 100

64 59.4 51.8 77.6

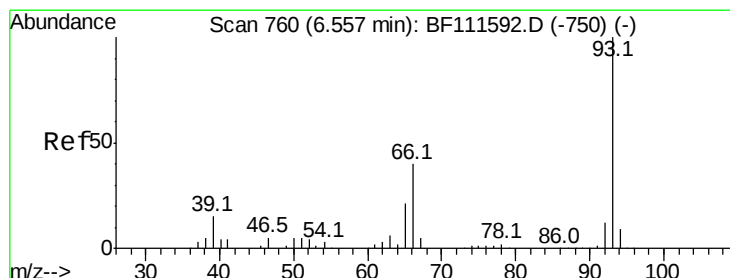
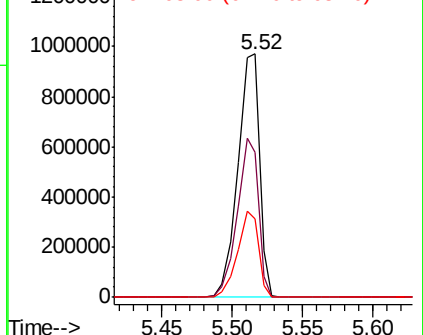
63 32.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 38.003 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

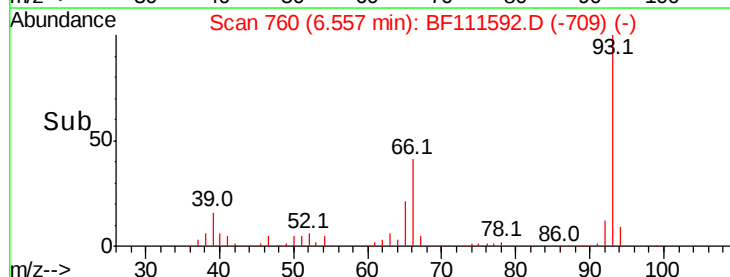
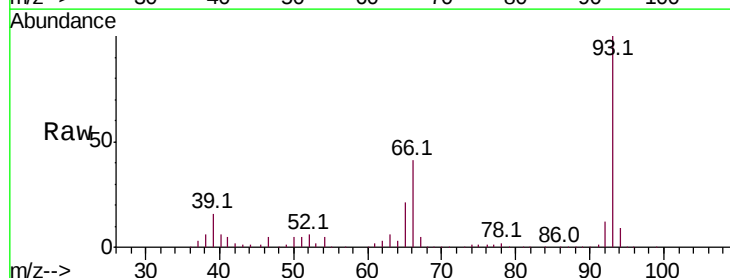
Tgt Ion: 93 Resp: 852152

Ion Ratio Lower Upper

93 100

66 41.0 33.2 49.8

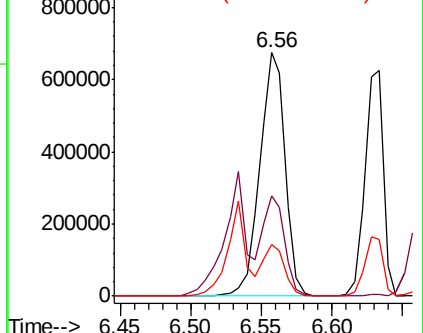
65 21.2 17.0 25.4

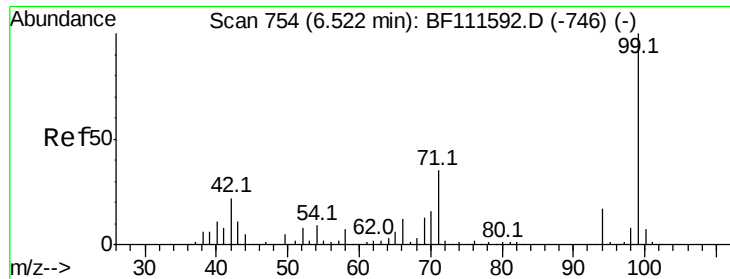


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 73.028 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

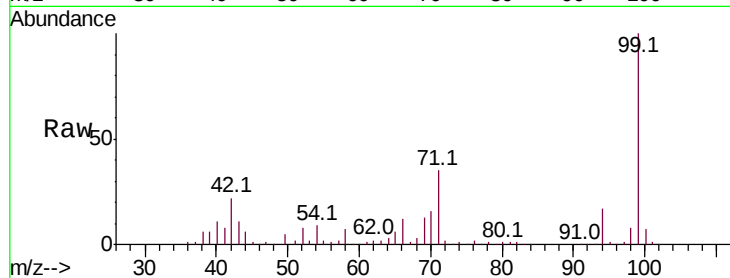
Tot Ion: 99 Resp: 1320122

Ion Ratio Lower Upper

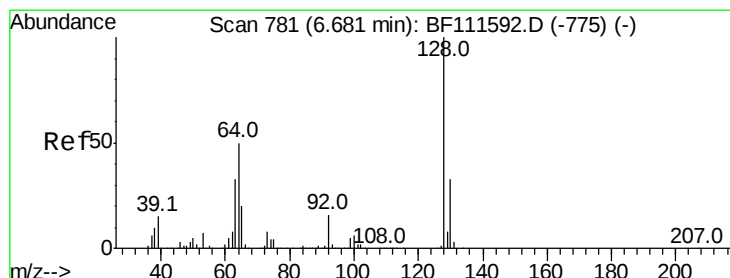
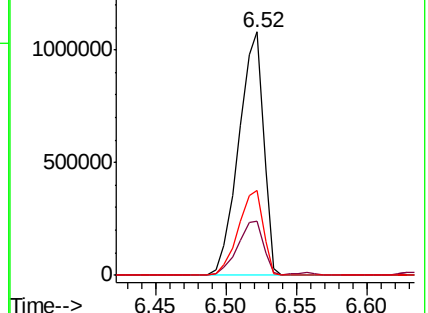
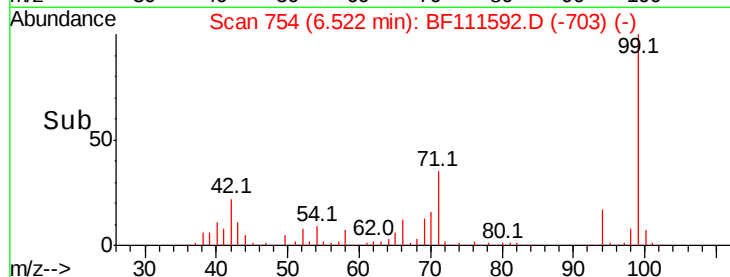
99 100

42 22.5 17.4 26.0

71 34.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 35.796 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

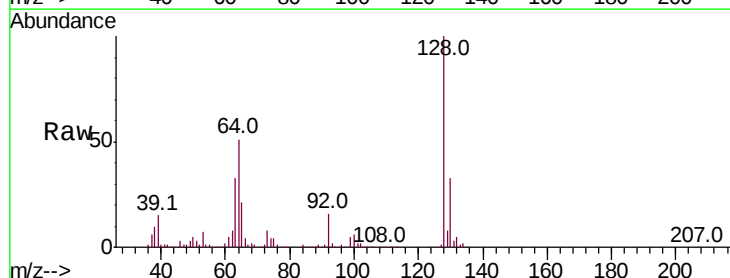
Tgt Ion:128 Resp: 581256

Ion Ratio Lower Upper

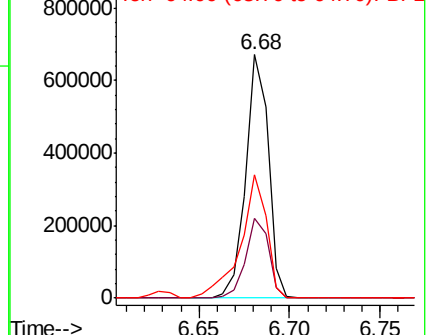
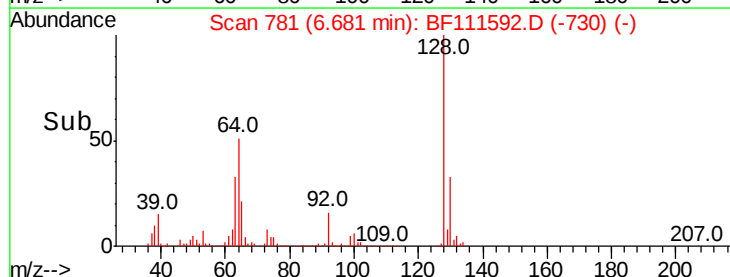
128 100

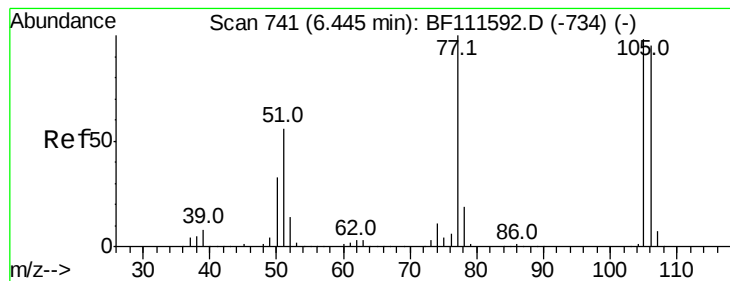
130 32.6 12.7 52.7

64 50.7 30.0 70.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 40.953 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

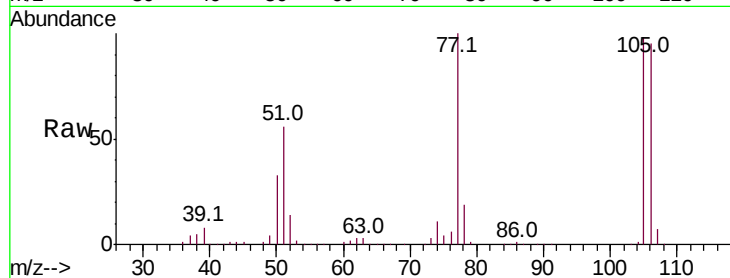
Tot Ion: 77 Resp: 449032

Ion Ratio Lower Upper

77 100

105 98.2 81.4 121.4

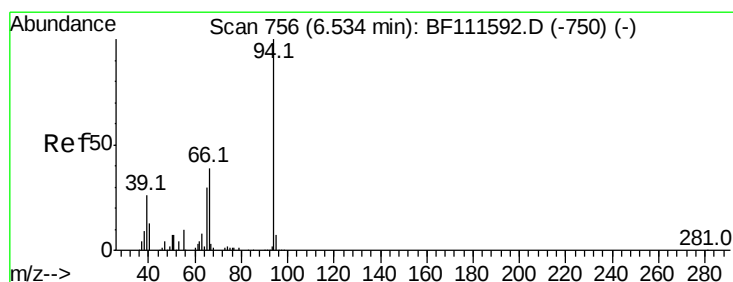
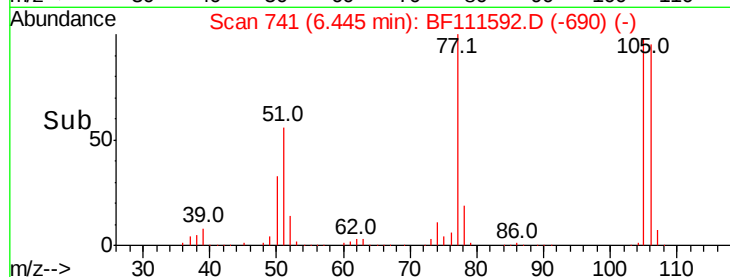
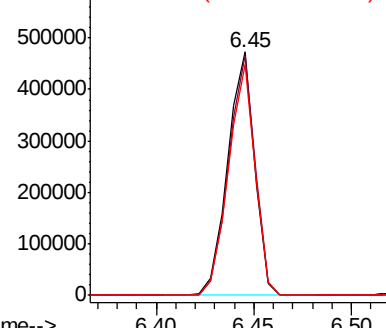
106 94.9 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 34.783 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

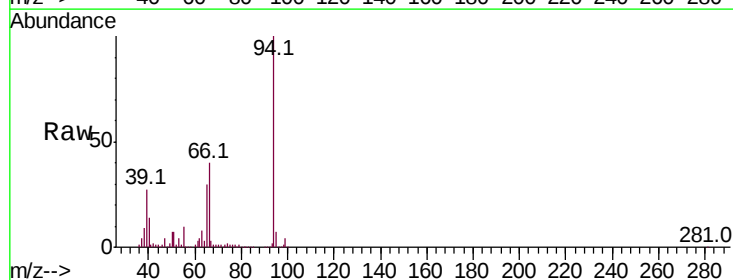
Tgt Ion: 94 Resp: 700427

Ion Ratio Lower Upper

94 100

65 30.2 11.7 51.7

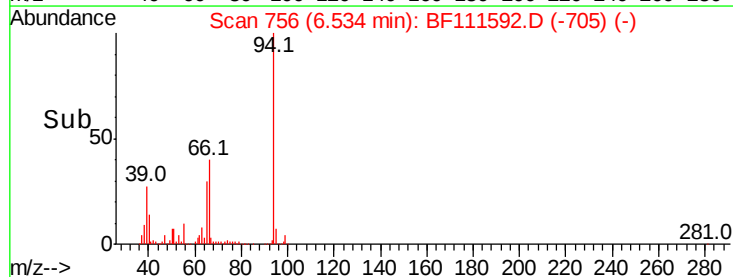
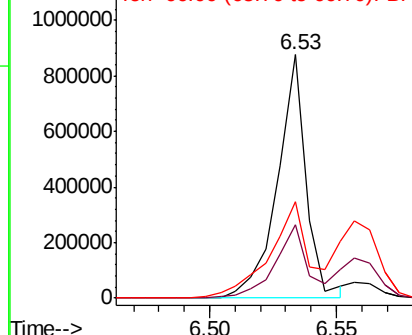
66 39.5 21.0 61.0

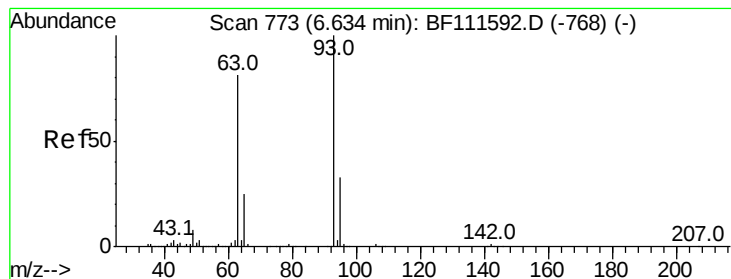


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 35.631 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

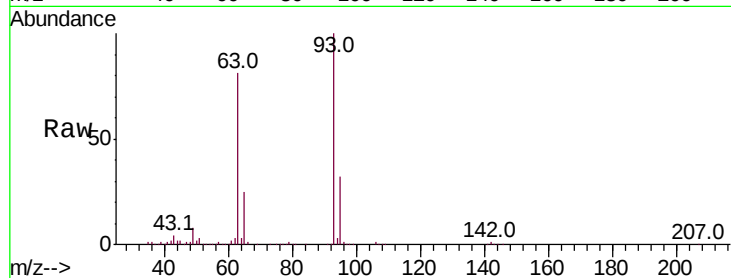
Tot Ion: 93 Resp: 562463

Ion Ratio Lower Upper

93 100

63 81.3 60.0 100.0

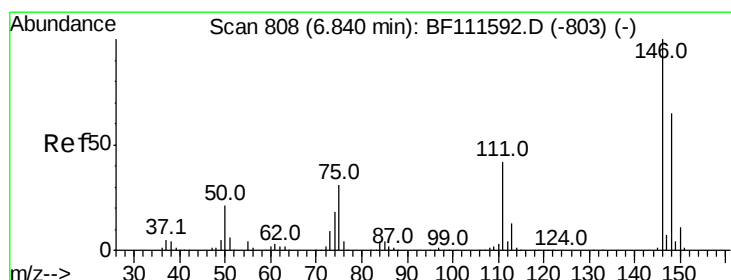
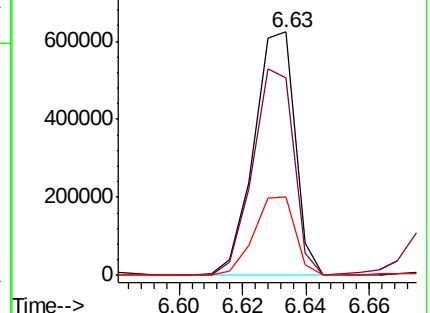
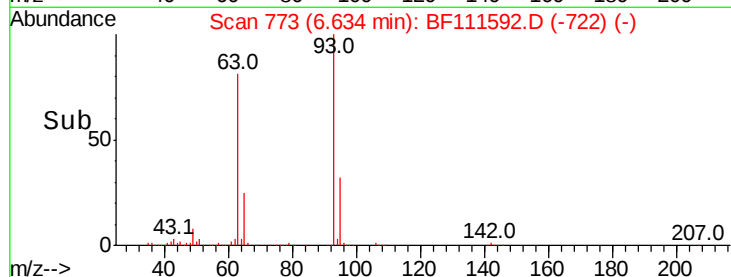
95 32.5 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 37.741 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

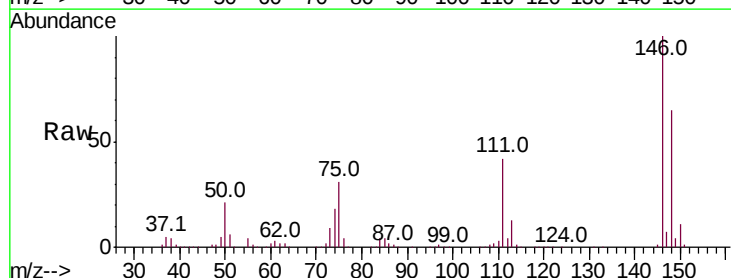
Tgt Ion: 146 Resp: 674601

Ion Ratio Lower Upper

146 100

148 64.5 52.1 78.1

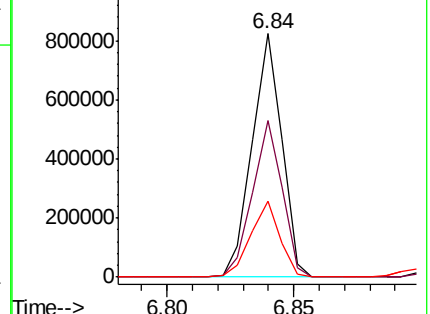
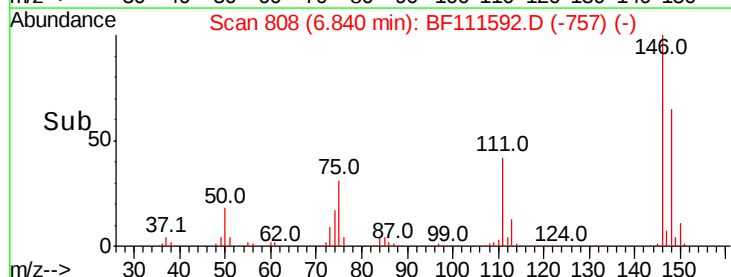
75 31.2 23.9 35.9

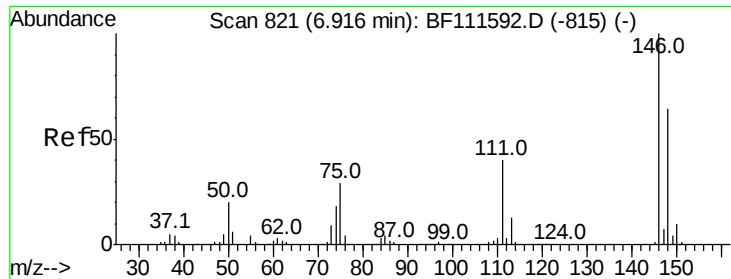


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

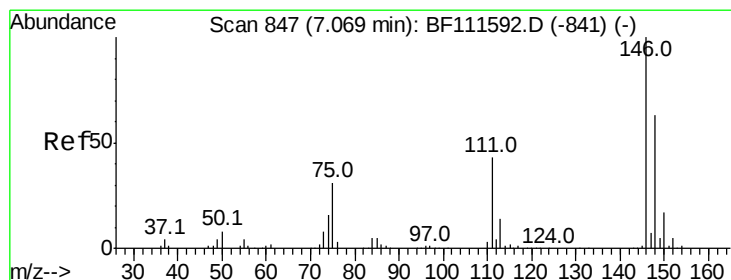
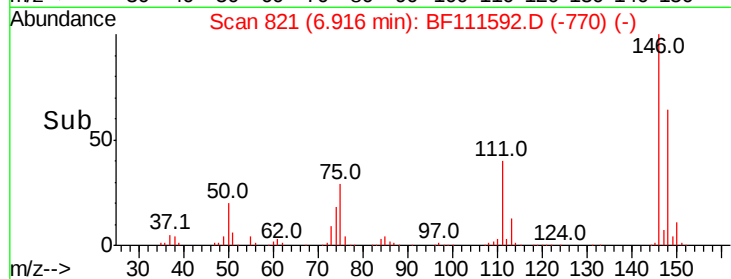
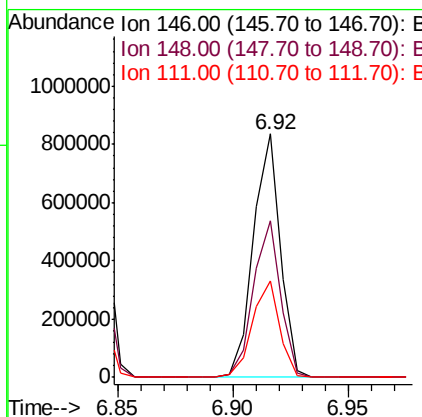
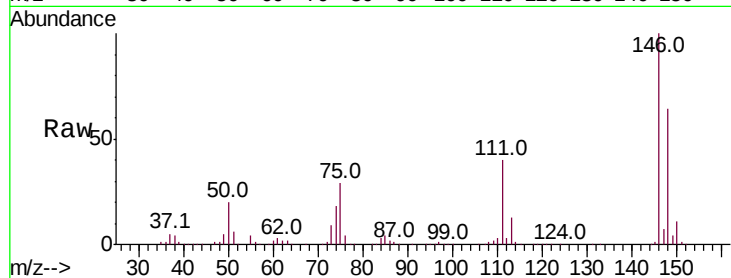




#13
 1,4-Dichlorobenzene
 Concen: 37.666 ng
 RT: 6.92 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

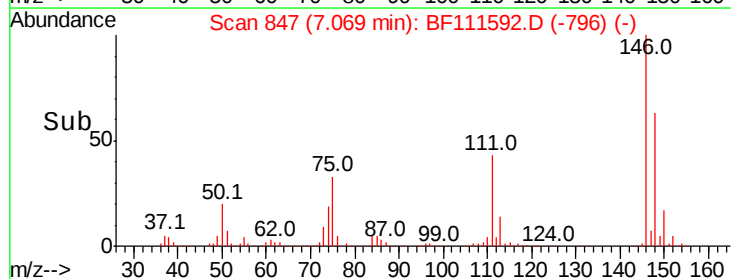
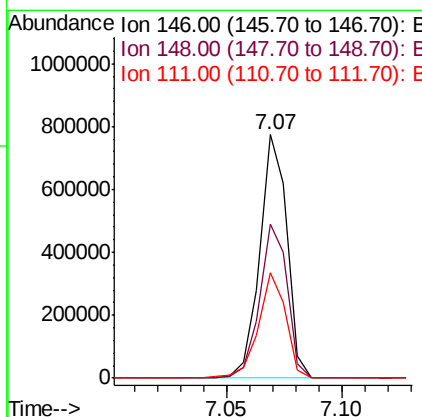
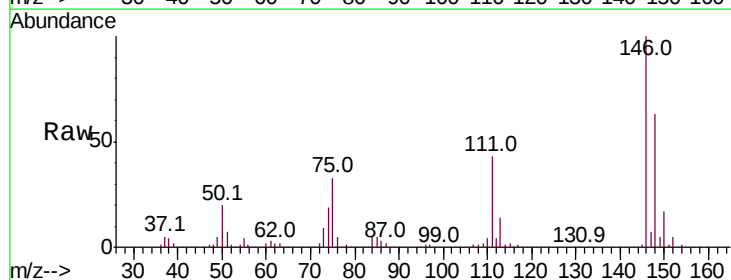
Instrument :
 BNA_F
 ClientSampleId :

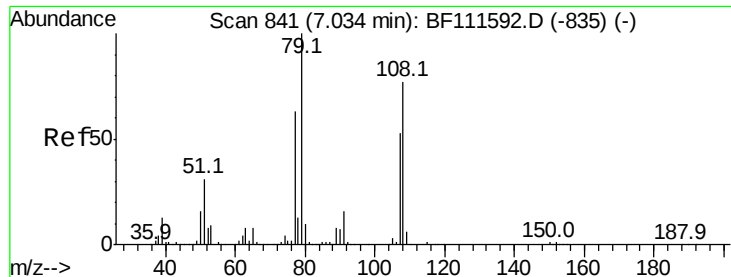
Tot Ion:146 Resp: 683368
 Ion Ratio Lower Upper
 146 100
 148 64.2 52.8 79.2
 111 39.5 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 37.319 ng
 RT: 7.07 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:146 Resp: 636962
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 111 43.4 36.2 54.4





#15

Benzyl Alcohol

Concen: 38.849 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

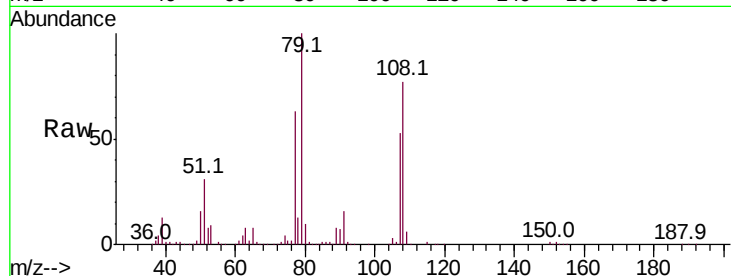
Tot Ion: 79 Resp: 534357

Ion Ratio Lower Upper

79 100

108 77.2 69.4 104.2

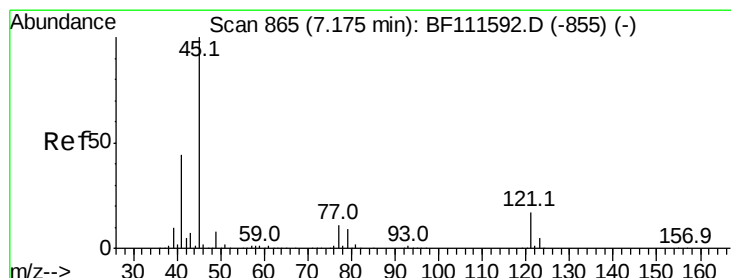
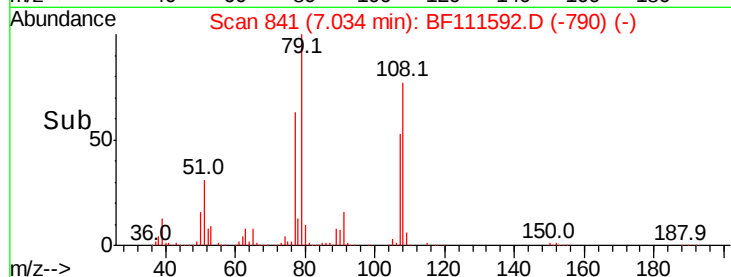
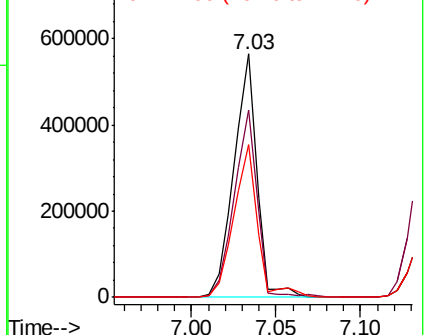
77 62.8 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.705 ng

RT: 7.17 min Scan# 865

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

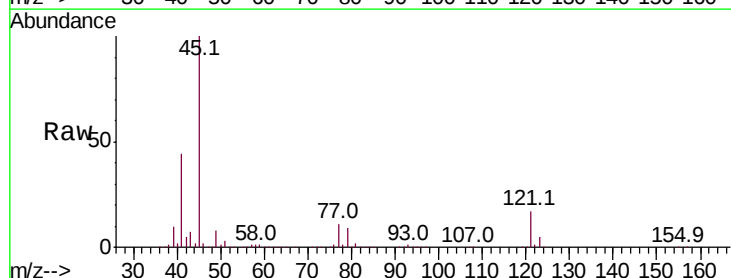
Tgt Ion: 45 Resp: 1038862

Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.5

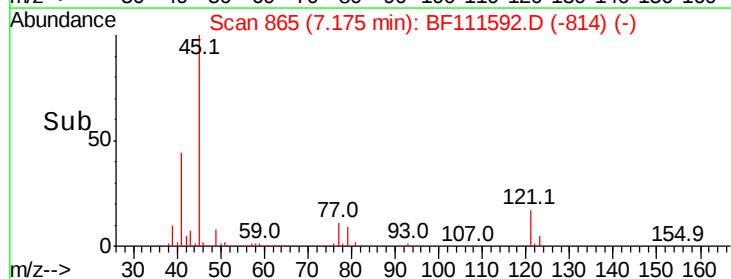
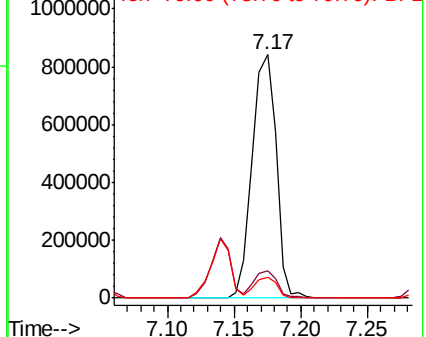
79 8.8 0.0 28.9

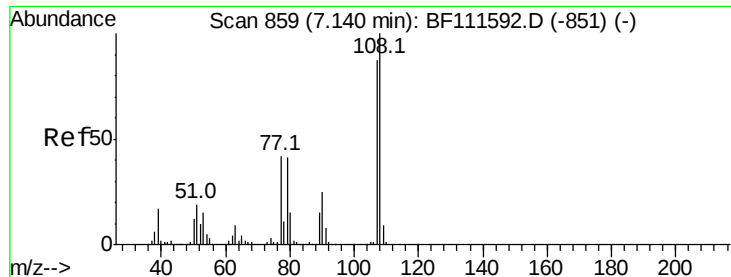


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

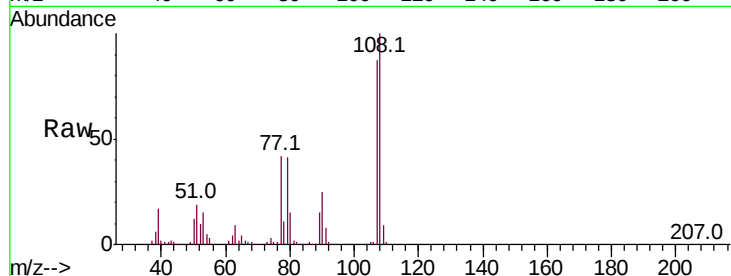




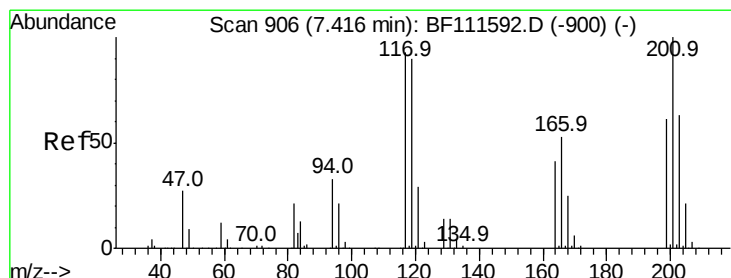
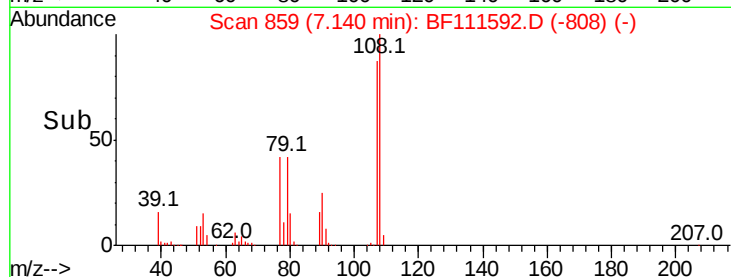
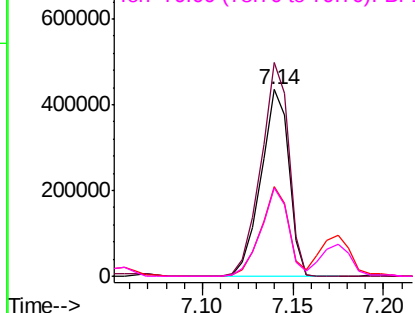
#17
2-Methylphenol
Concen: 35.700 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	466536
Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.0	136.4
77	48.4	33.5	50.3
79	47.1	33.3	49.9

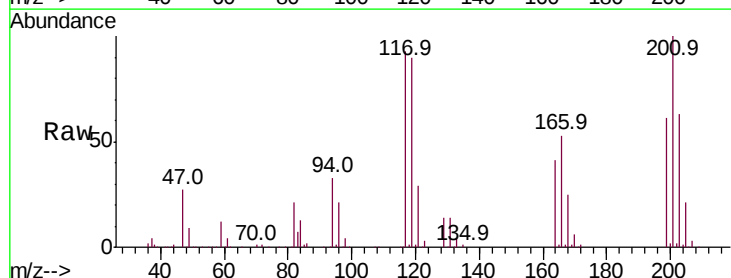


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

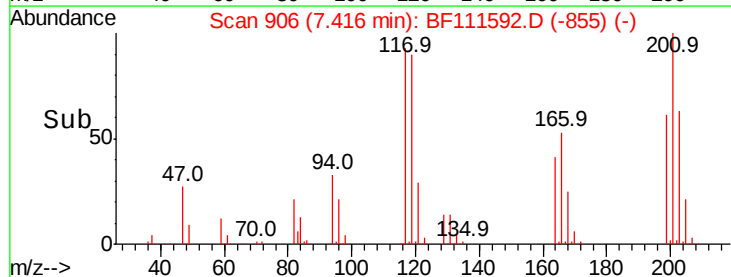
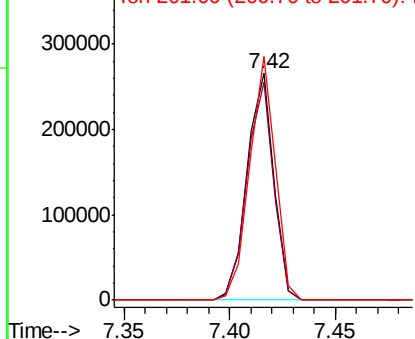


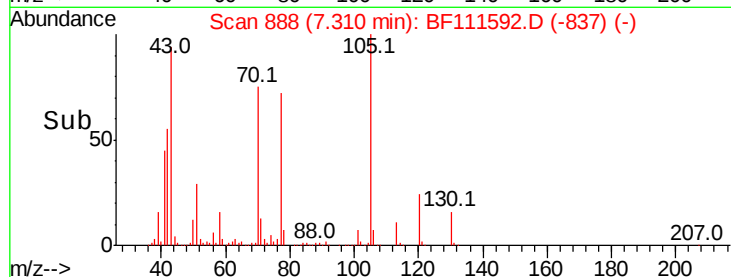
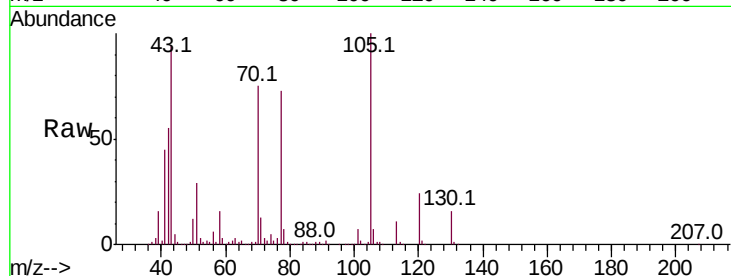
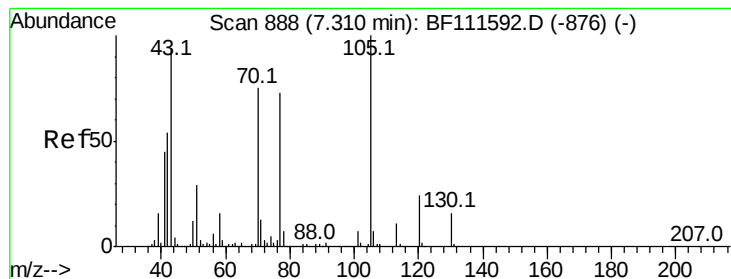
#18
Hexachloroethane
Concen: 34.532 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:	117	Resp:	233157
Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.4	113.0
201	107.4	62.4	93.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 36.351 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 433533

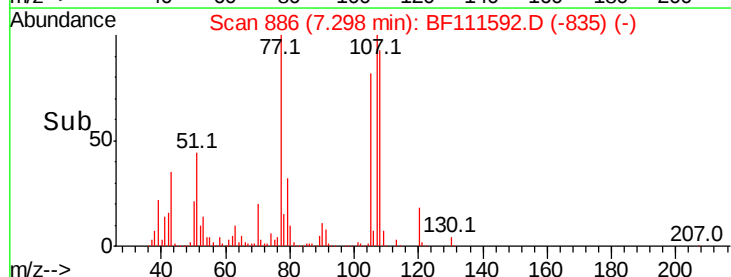
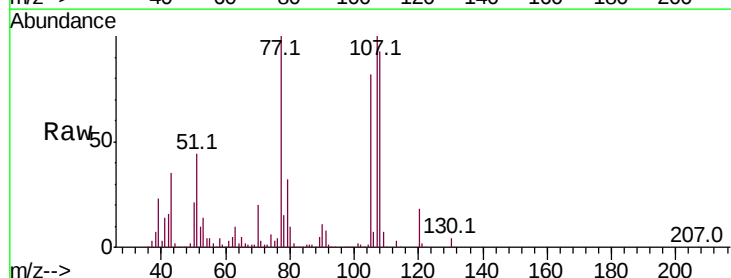
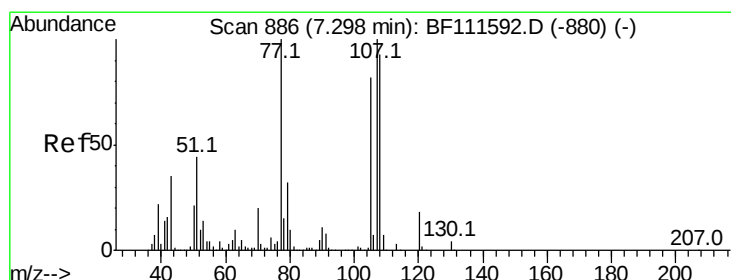
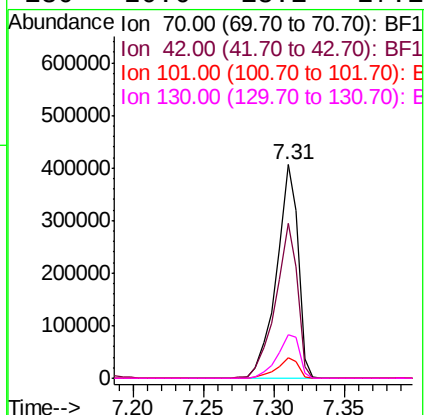
Ion Ratio Lower Upper

70 100

42 72.5 53.2 79.8

101 9.4 8.2 12.4

130 20.6 18.1 27.1



#20

3+4-Methylphenols

Concen: 35.948 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion: 107 Resp: 589267

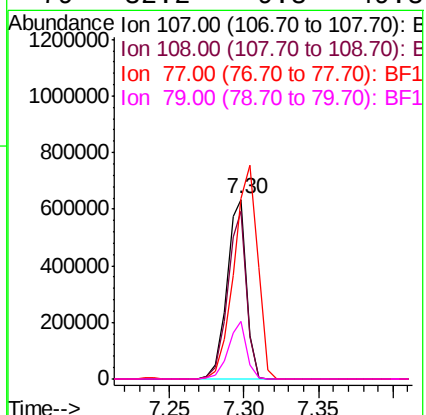
Ion Ratio Lower Upper

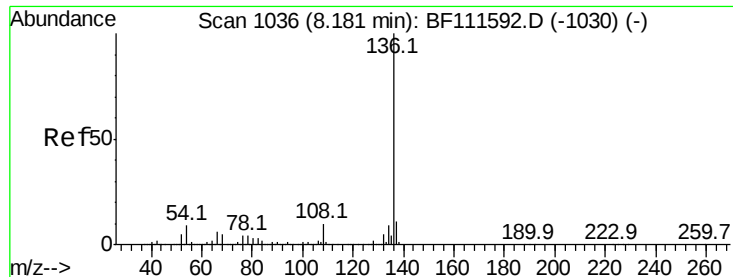
107 100

108 93.6 72.1 112.1

77 100.5 94.1 134.1

79 32.2 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF111592.D

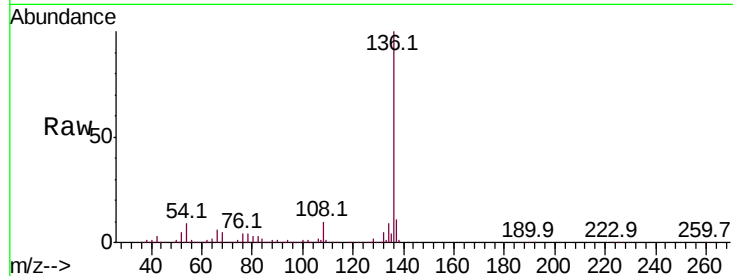
Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	810697
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	9.0	7.7 11.5
68	5.4	4.9 7.3



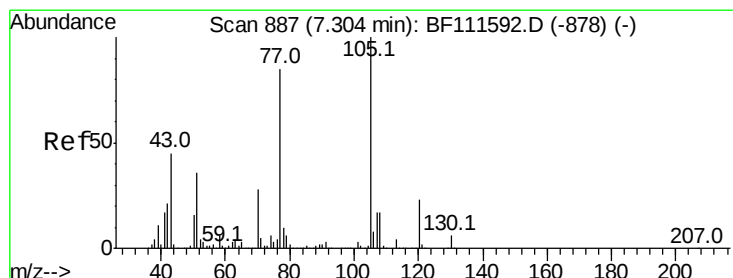
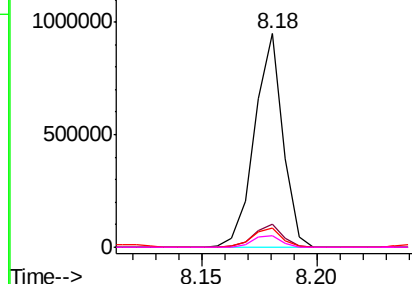
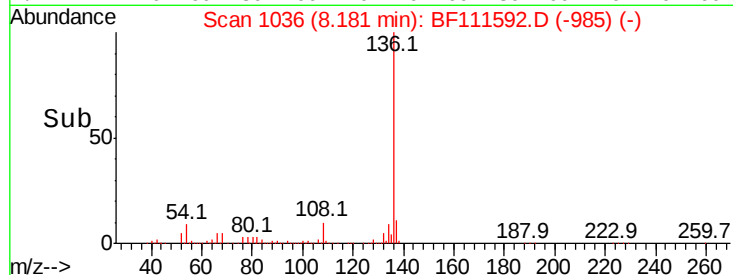
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 45.080 ng

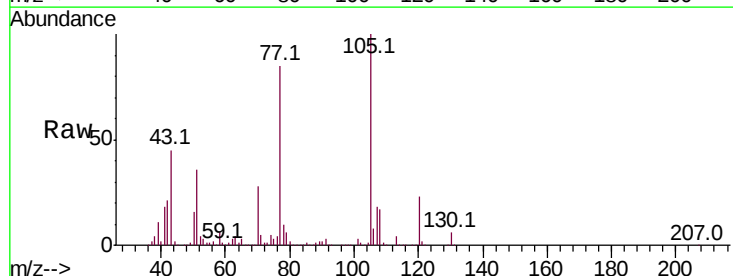
RT: 7.30 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion:105	Resp:	815829
Ion Ratio	Lower	Upper
105	100	
71	4.7	3.1 4.7#
51	35.5	36.6 54.8#
120	22.6	18.2 27.4



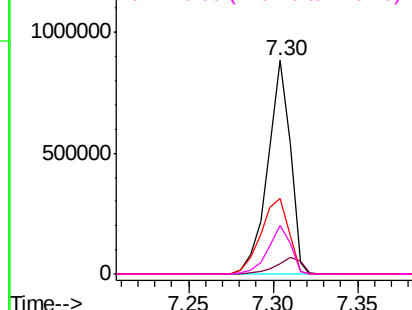
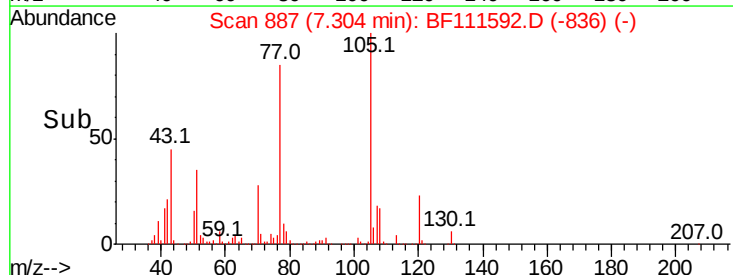
Abundance

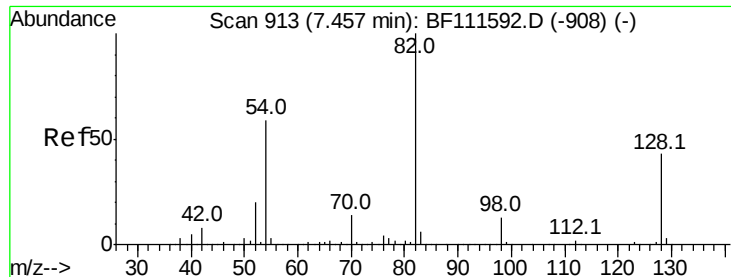
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



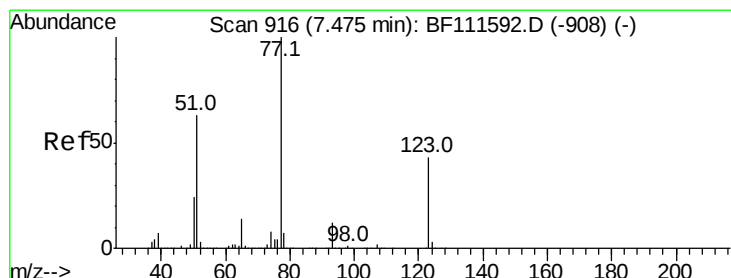
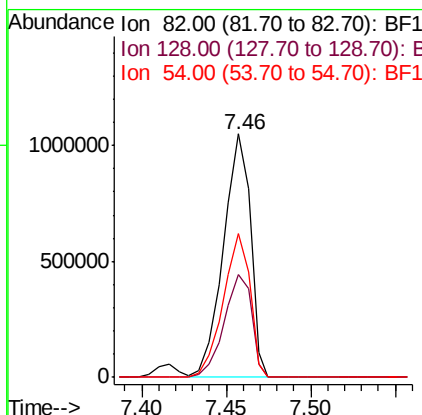
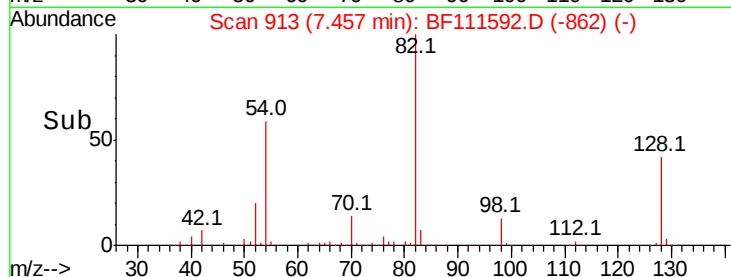
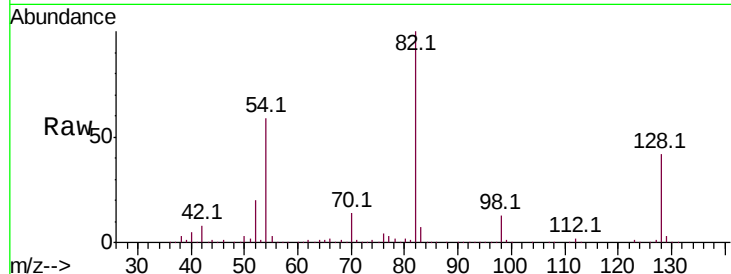


#23
 Nitrobenzene-d5
 Concen: 85.891 ng
 RT: 7.46 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1169326

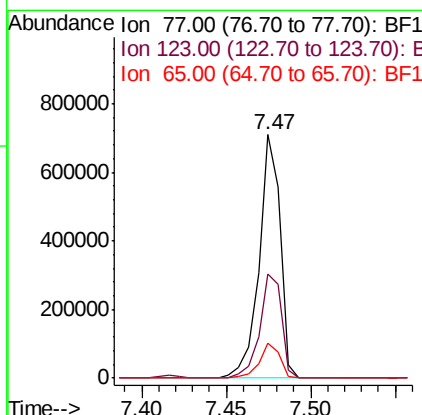
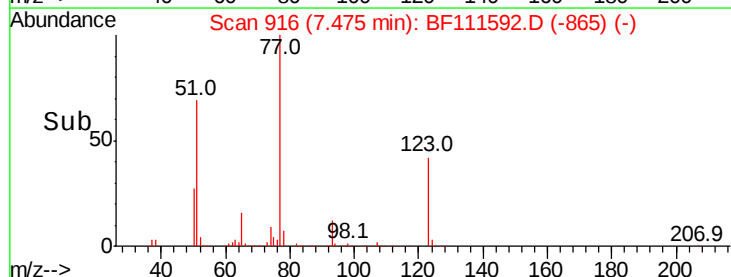
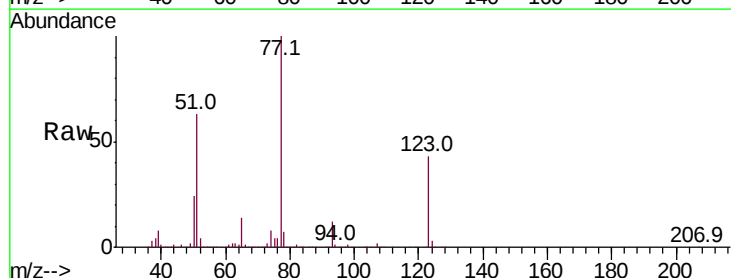
Ion	Ratio	Lower	Upper
82	100		
128	42.4	37.4	56.2
54	59.0	47.6	71.4

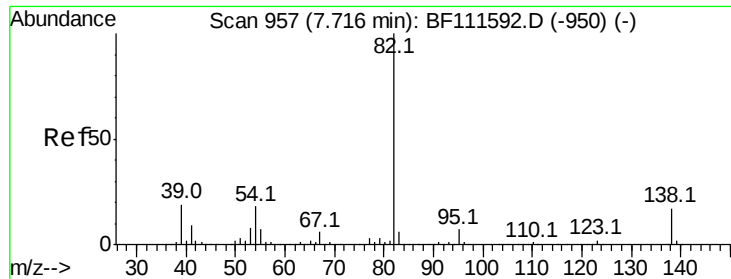


#24
 Nitrobenzene
 Concen: 44.336 ng
 RT: 7.47 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion: 77 Resp: 615724

Ion	Ratio	Lower	Upper
77	100		
123	42.7	37.2	55.8
65	14.2	11.5	17.3





#25

Isophorone

Concen: 43.285 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

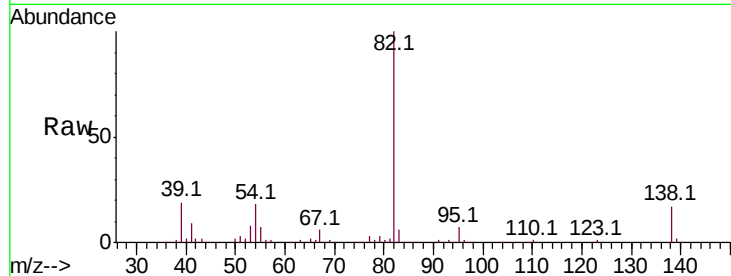
Tot Ion: 82 Resp: 997086

Ion Ratio Lower Upper

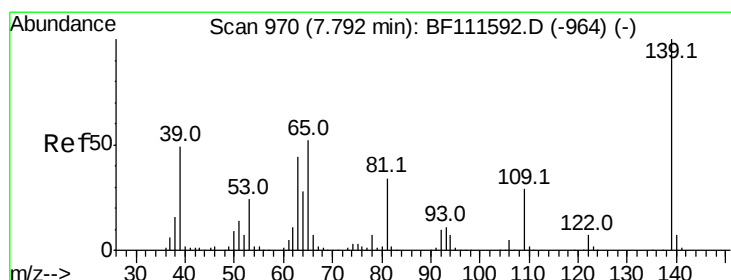
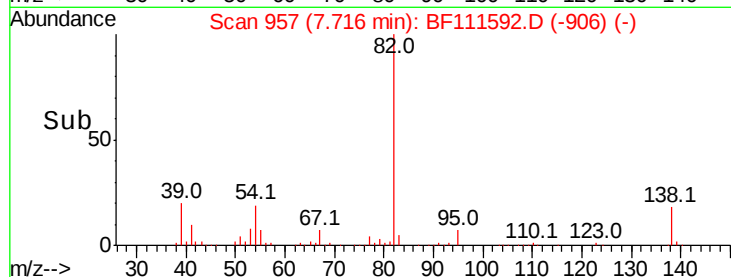
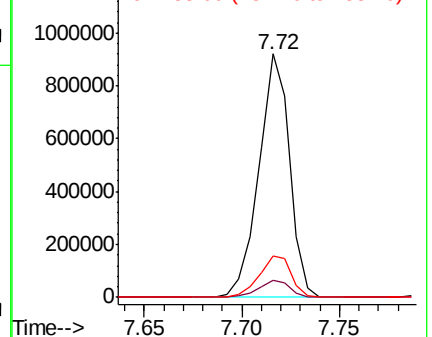
82 100

95 7.1 5.4 8.2

138 17.2 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 35.852 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

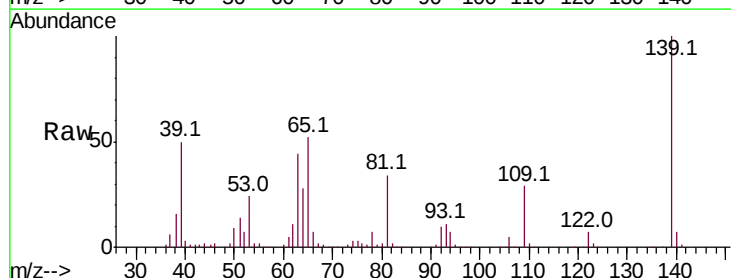
Tgt Ion: 139 Resp: 258211

Ion Ratio Lower Upper

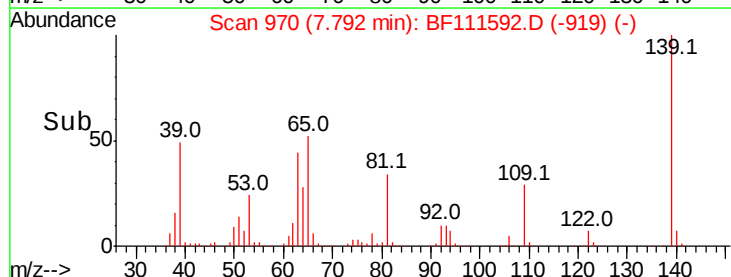
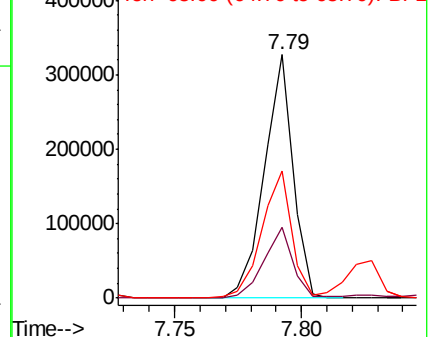
139 100

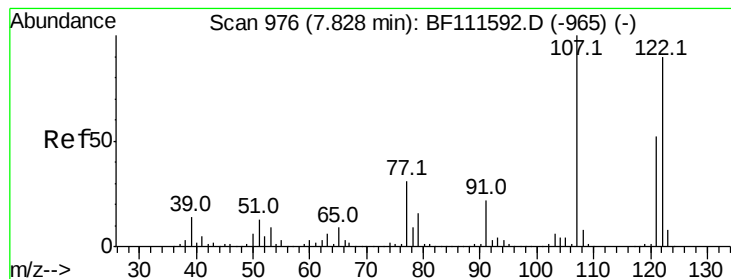
109 29.1 20.2 30.4

65 52.3 40.7 61.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 45.807 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

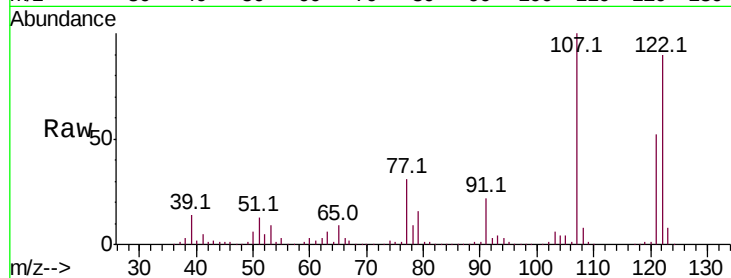
Tot Ion:122 Resp: 478283

Ion Ratio Lower Upper

122 100

107 111.7 85.5 128.3

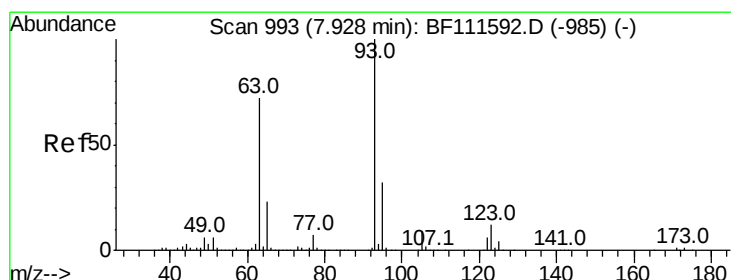
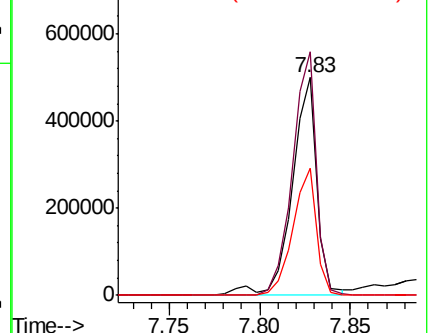
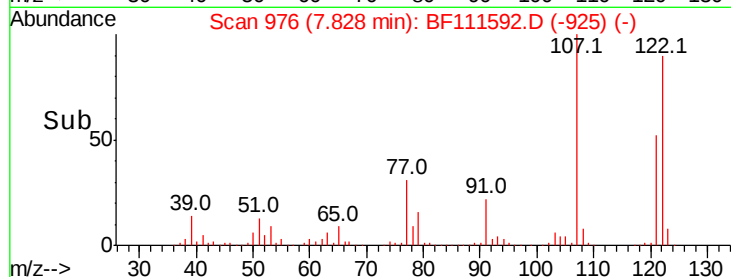
121 58.5 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.609 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

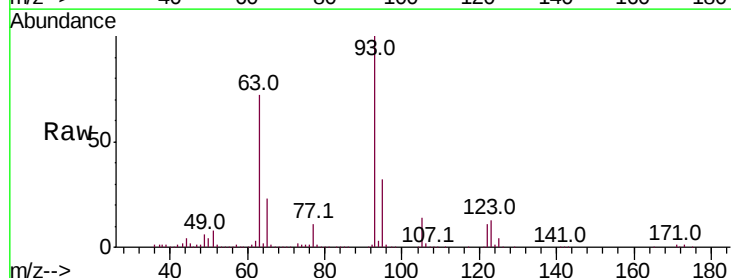
Tgt Ion: 93 Resp: 661678

Ion Ratio Lower Upper

93 100

95 32.4 27.1 40.7

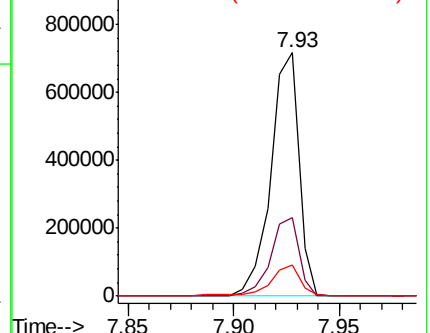
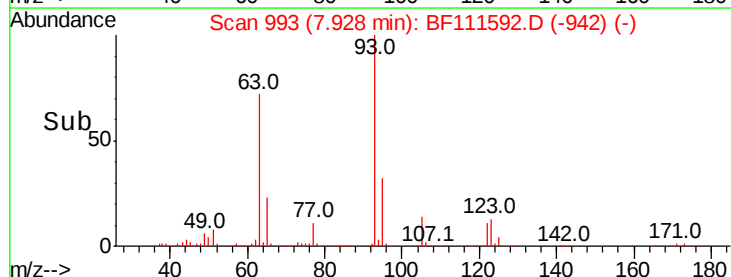
123 12.9 9.9 14.9

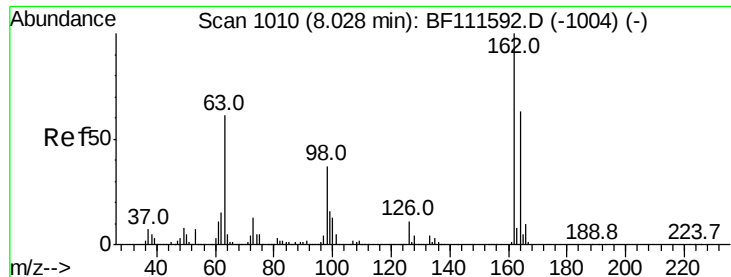


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

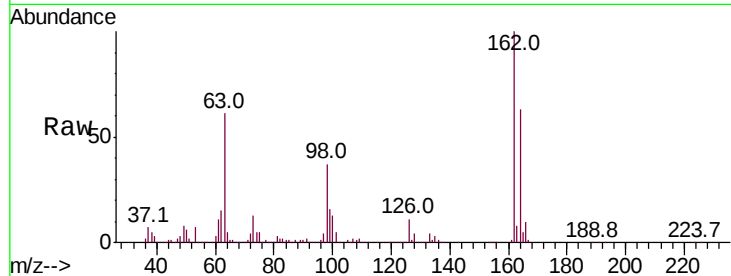




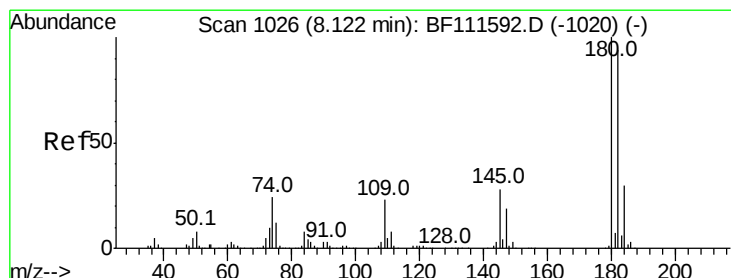
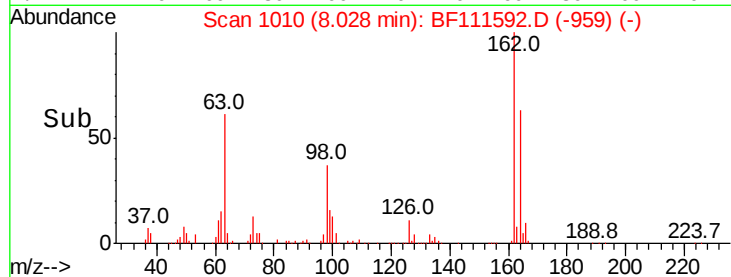
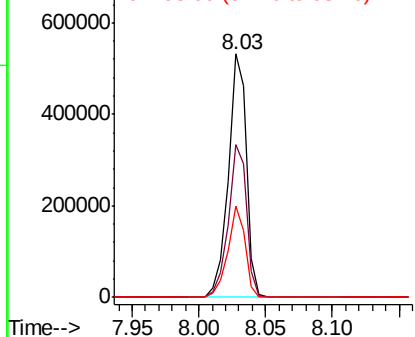
#29
2,4-Dichlorophenol
Concen: 45.818 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.4	84.4
98	37.4	20.3	60.3

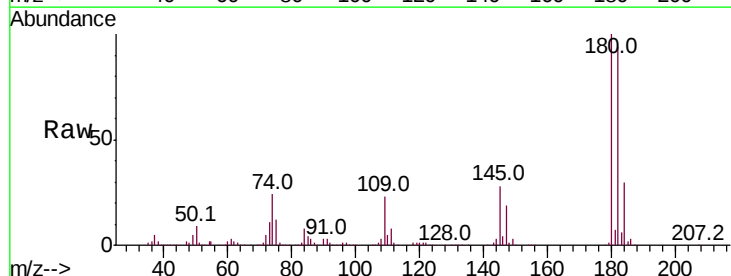


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

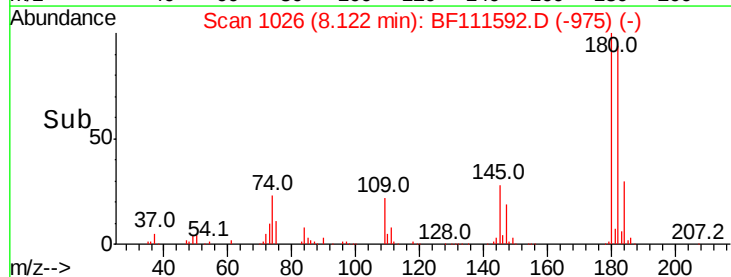
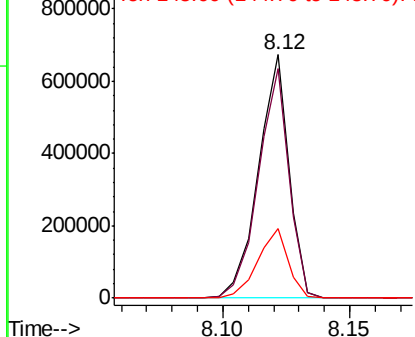


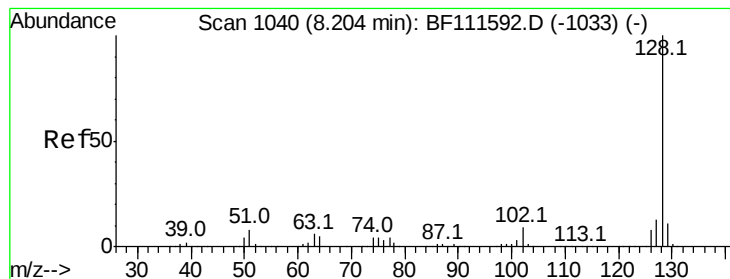
#30
1,2,4-Trichlorobenzene
Concen: 48.411 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	28.3	26.7	40.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.366 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

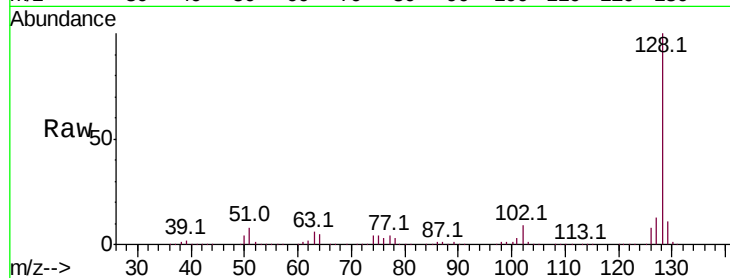
Tot Ion:128 Resp: 1568529

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.8

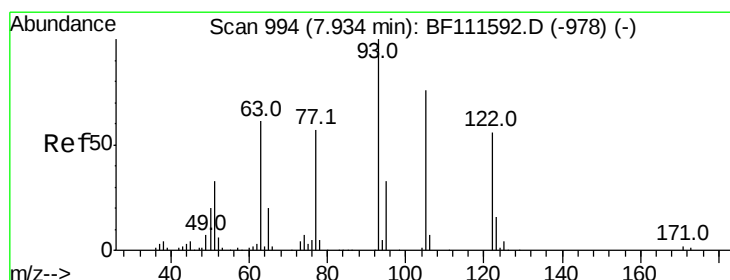
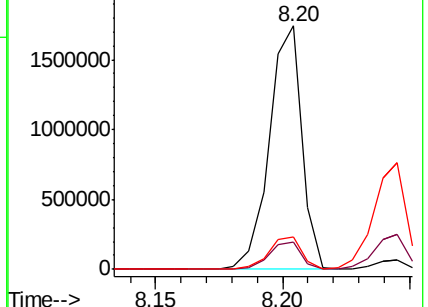
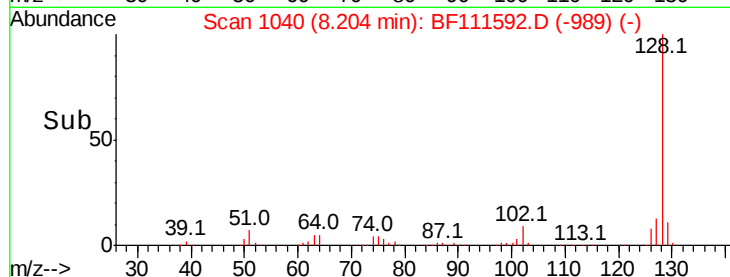
127 13.5 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 29.698 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

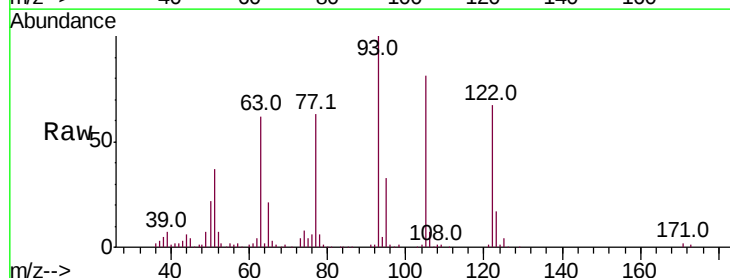
Tgt Ion:122 Resp: 267961

Ion Ratio Lower Upper

122 100

105 121.1 97.0 137.0

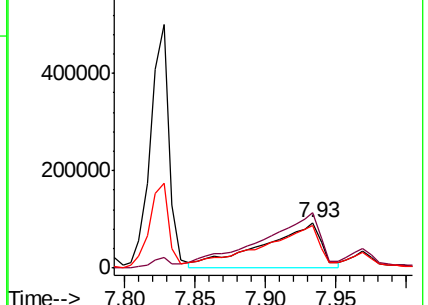
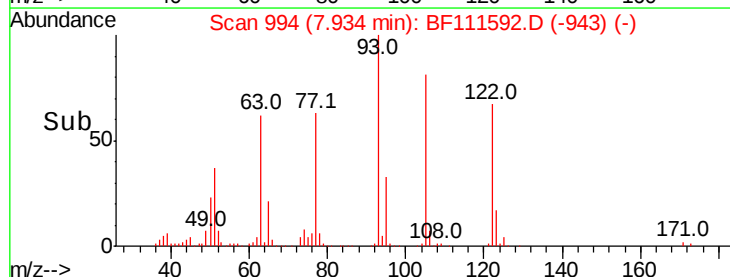
77 94.2 65.7 105.7

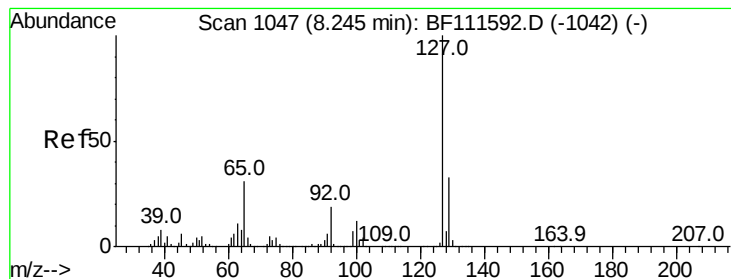


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 40.511 ng

RT: 8.25 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:127 Resp: 683064

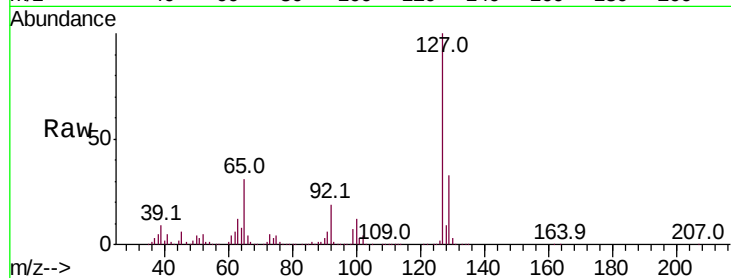
Ion Ratio Lower Upper

127 100

129 33.0 26.6 39.8

65 30.7 25.7 38.5

92 18.8 15.4 23.2

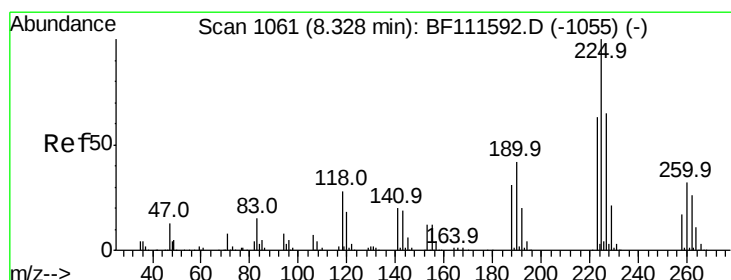
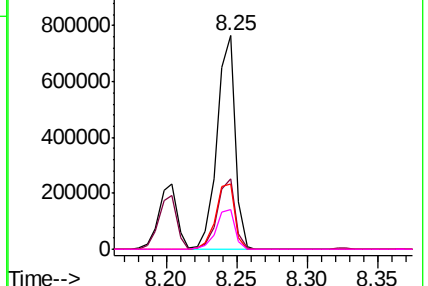
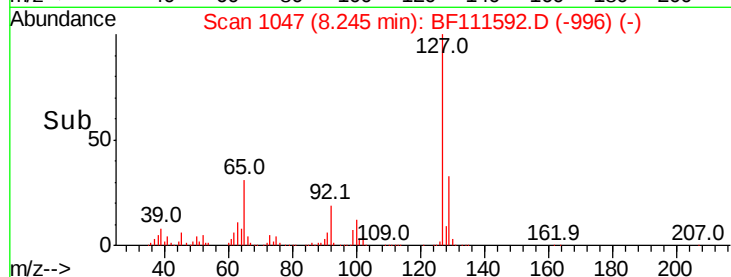


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 53.521 ng

RT: 8.33 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

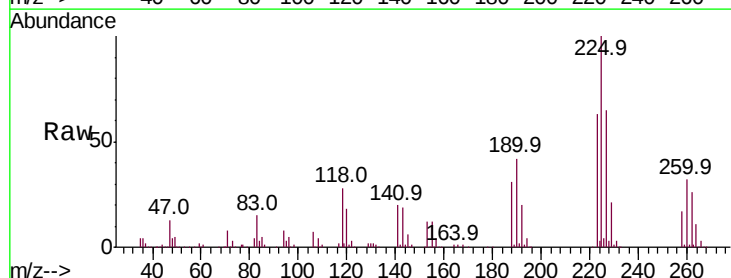
Tgt Ion:225 Resp: 344051

Ion Ratio Lower Upper

225 100

223 63.3 50.7 76.1

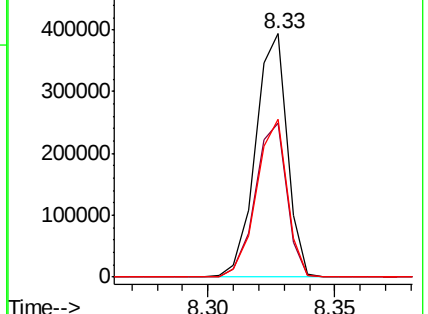
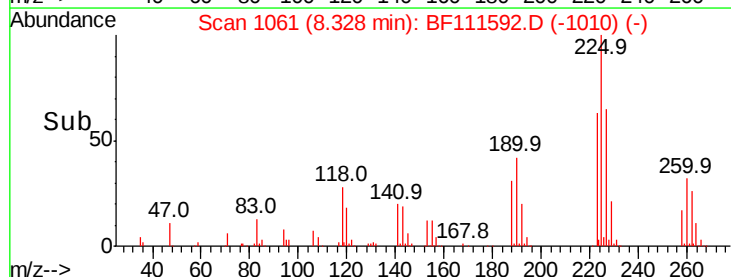
227 64.7 52.6 78.8

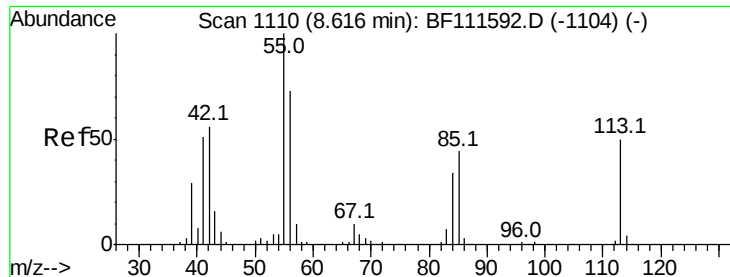


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

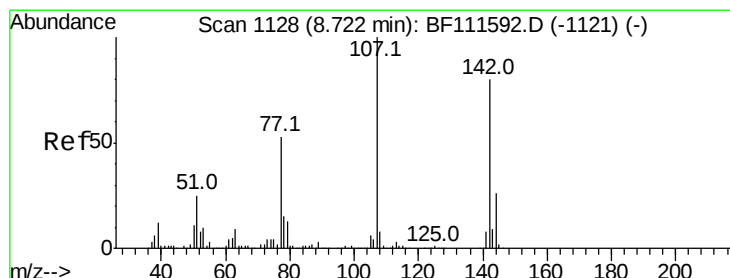
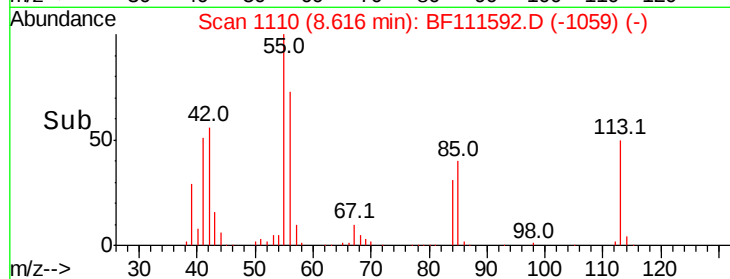
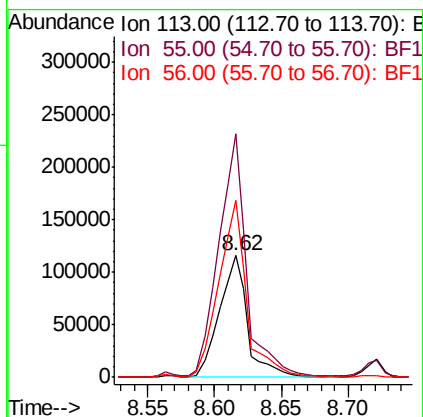
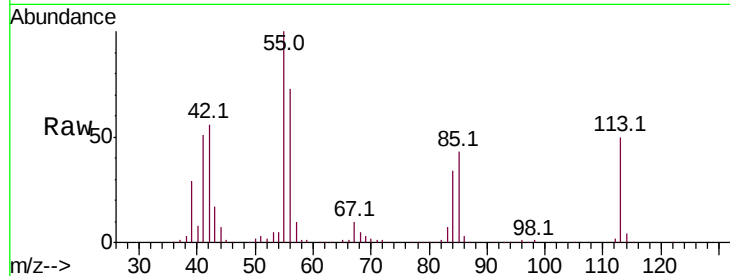




#35
 Caprolactam
 Concen: 41.522 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

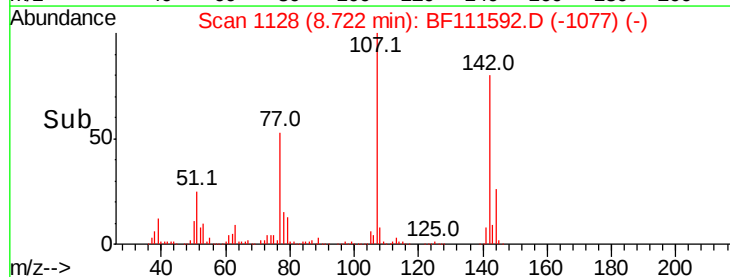
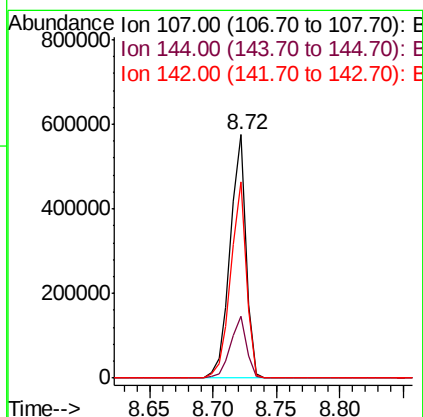
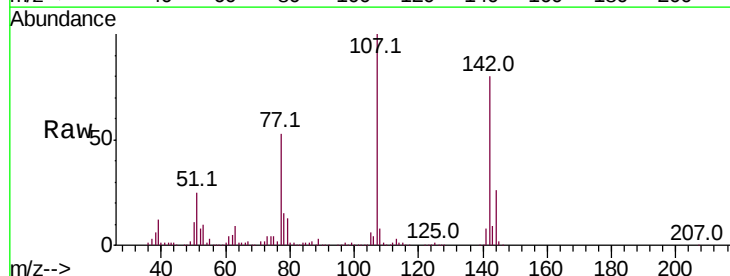
Instrument :
 BNA_F
 ClientSampleId :

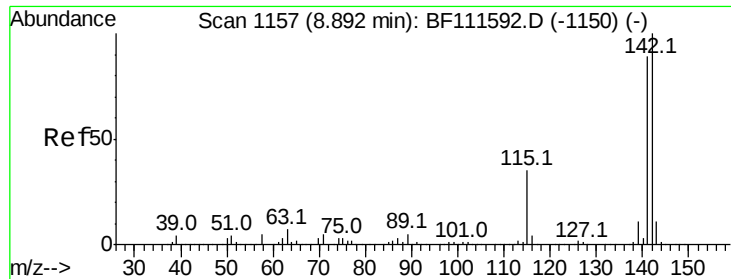
Tot Ion:113 Resp: 171828
 Ion Ratio Lower Upper
 113 100
 55 199.7 184.1 224.1
 56 145.2 126.0 166.0



#36
 4-Chloro-3-methylphenol
 Concen: 40.749 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:107 Resp: 499933
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.8 29.6
 142 80.4 62.3 93.5





#37

2-Methylnaphthalene

Concen: 39.803 ng

RT: 8.89 min Scan# 1157

Delta R.T. 0.00 min

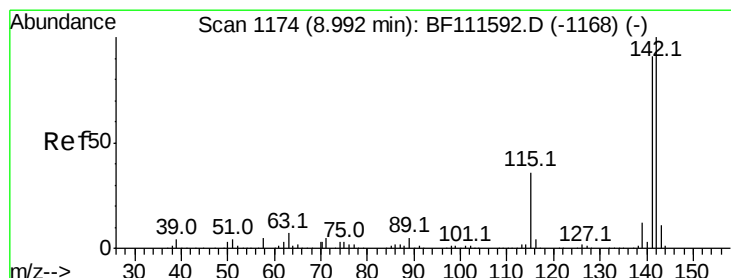
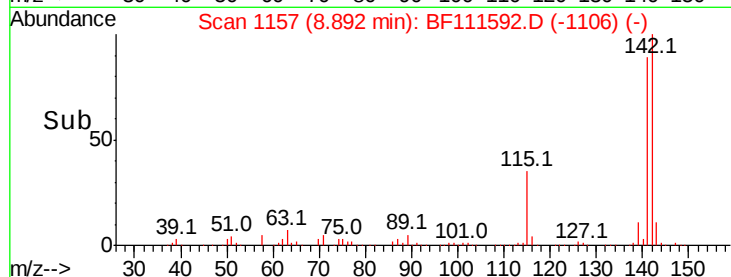
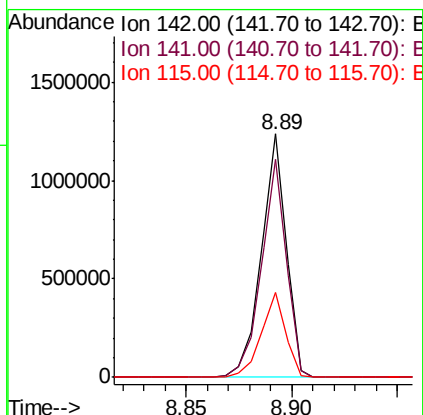
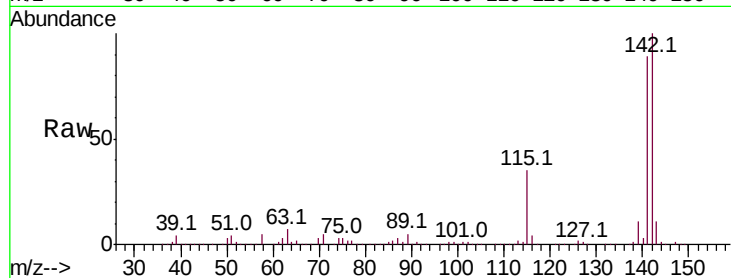
Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1021275

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.6	105.8
115	34.8	27.0	40.6



#38

1-Methylnaphthalene

Concen: 39.650 ng

RT: 8.99 min Scan# 1174

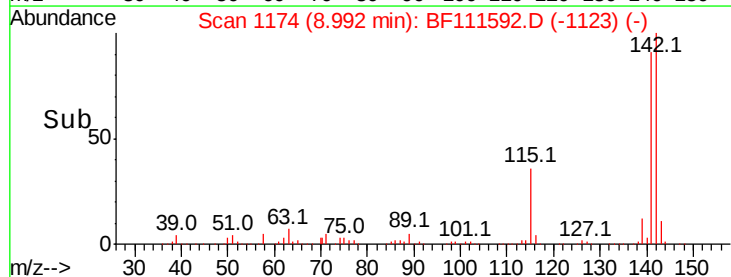
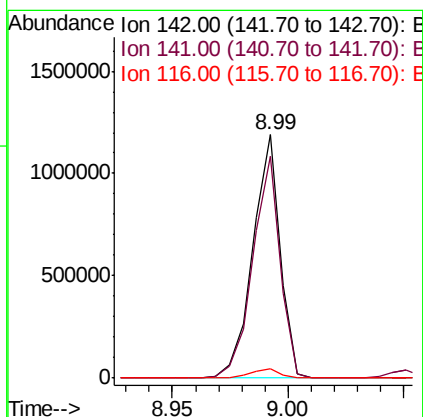
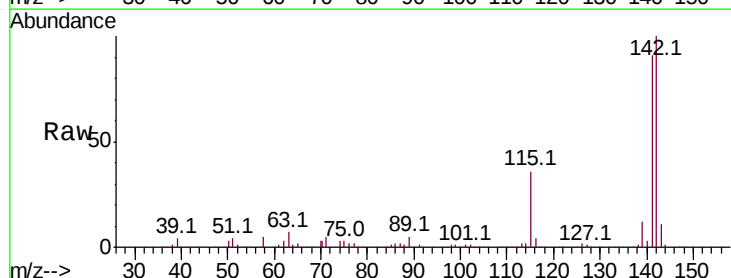
Delta R.T. 0.00 min

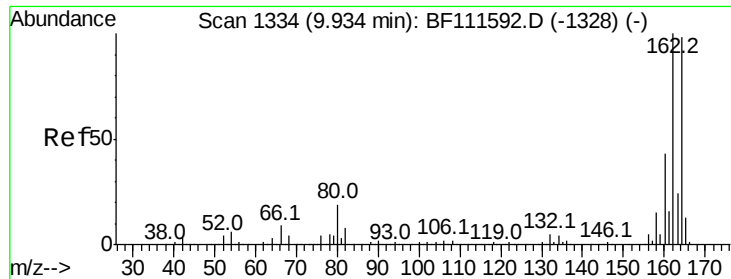
Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion:142 Resp: 982849

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.2	111.4
116	3.7	2.9	4.3

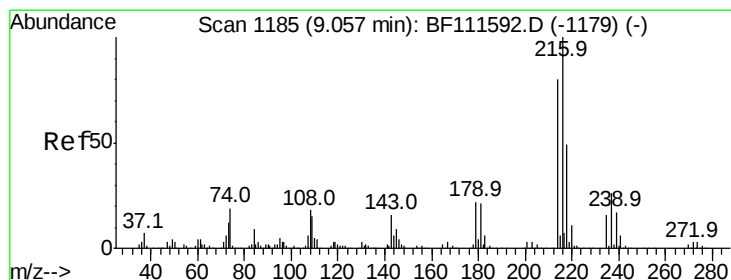
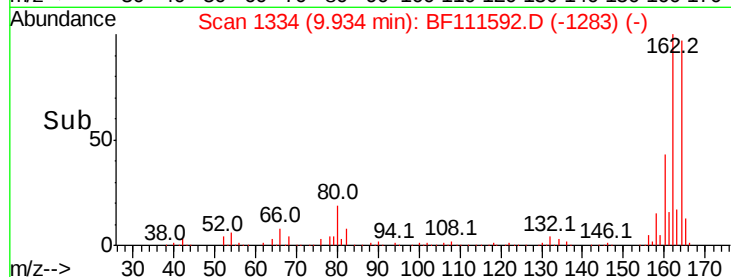
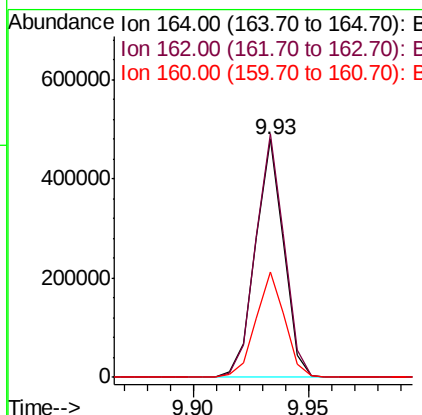
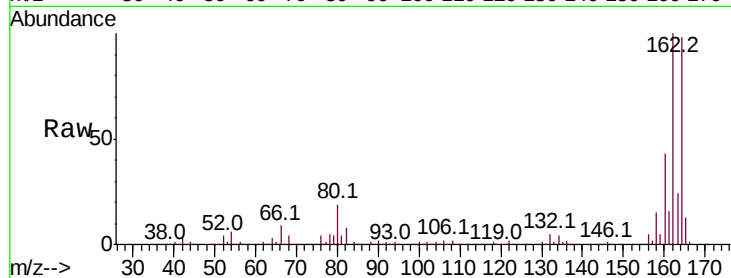




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

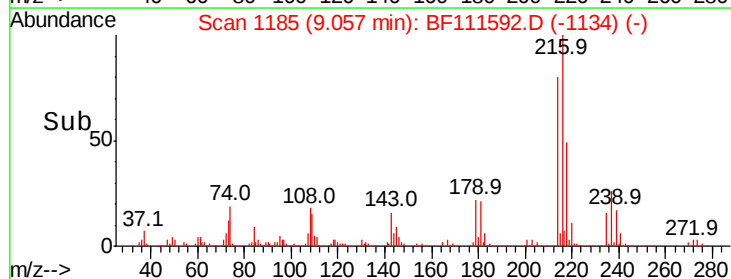
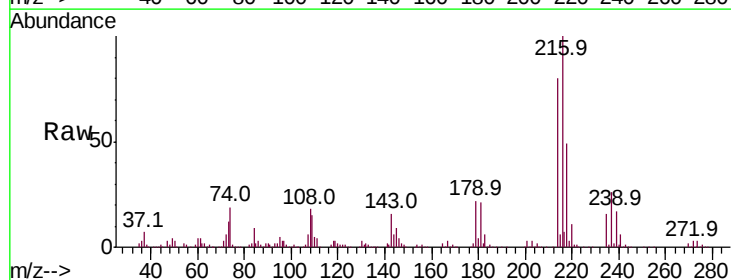
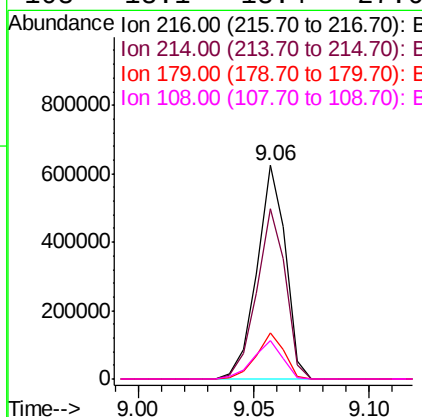
Instrument :
BNA_F
ClientSampleId :

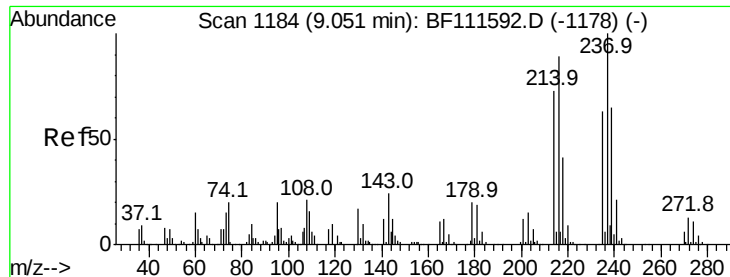
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.0
160	44.4	35.7	53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.169 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.8	95.8
179	20.9	17.9	26.9
108	18.1	18.4	27.6#

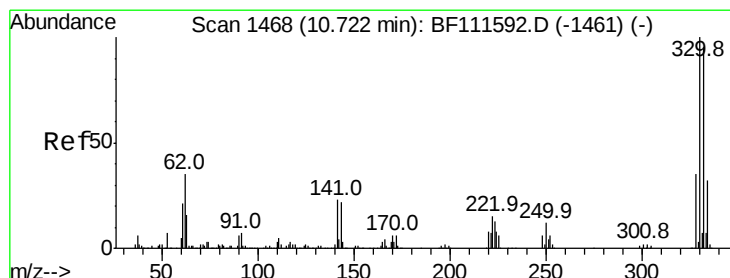
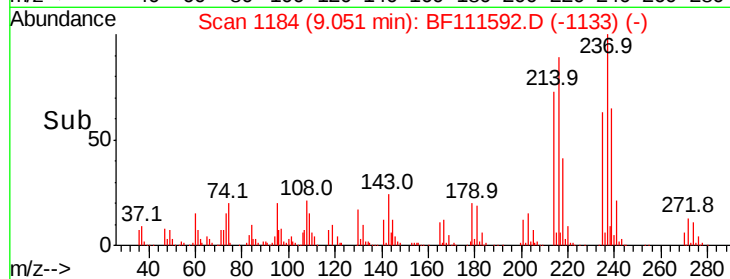
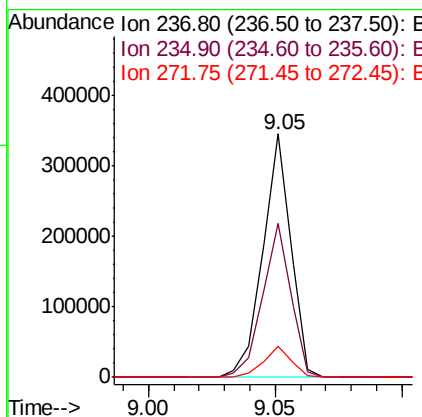
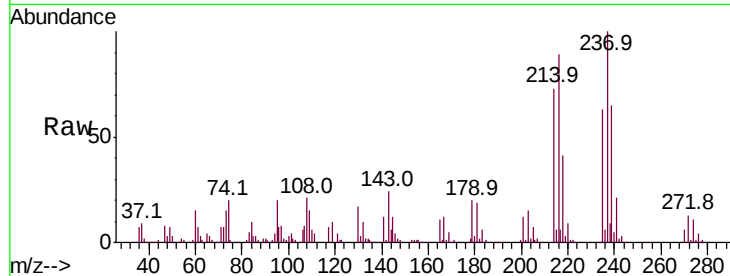




#41
Hexachlorocyclopentadiene
Concen: 46.530 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

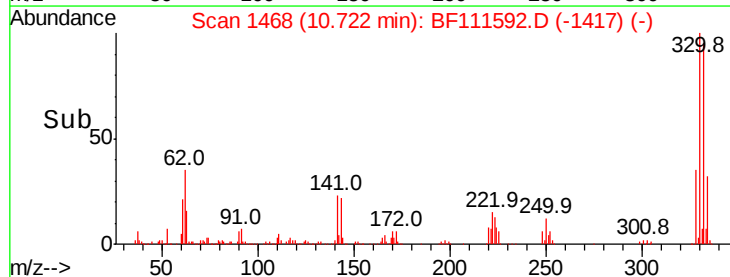
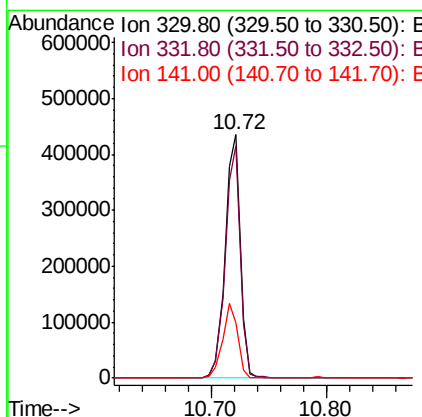
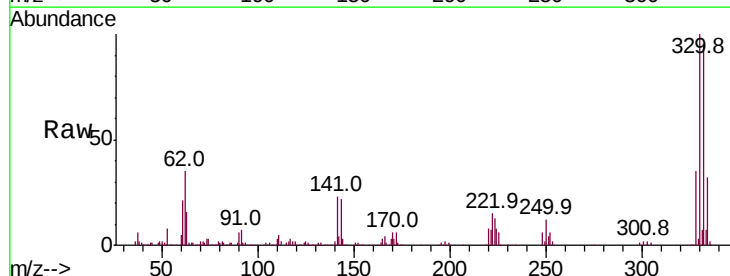
Instrument :
BNA_F
ClientSampleId :

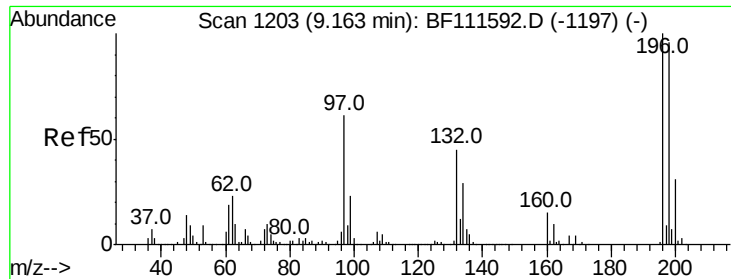
Tot Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.1	83.1
272	12.6	0.0	33.0



#42
2,4,6-Tribromophenol
Concen: 108.625 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.0	114.0
141	30.3	31.0	46.6#

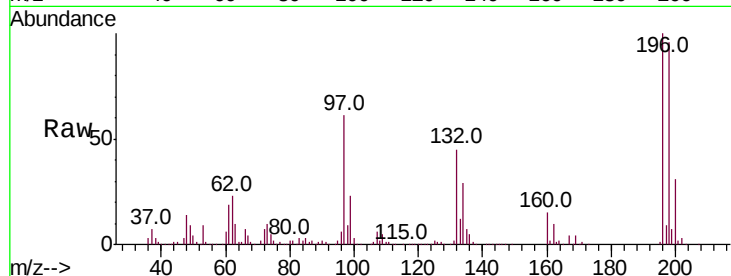




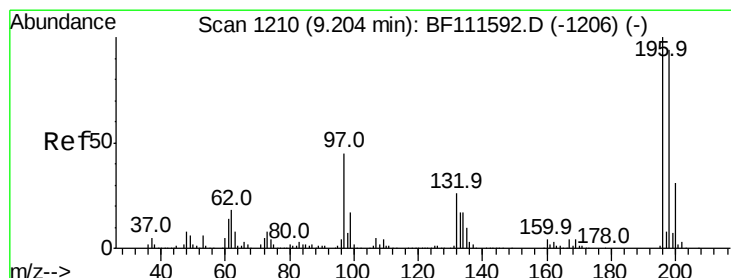
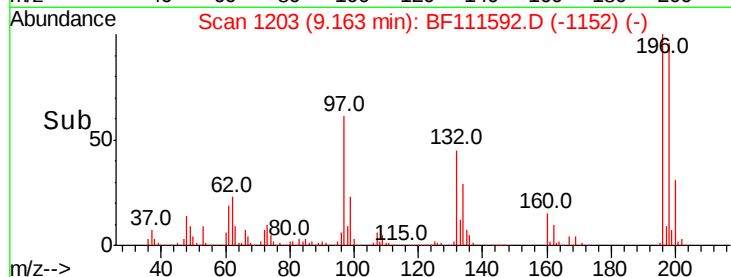
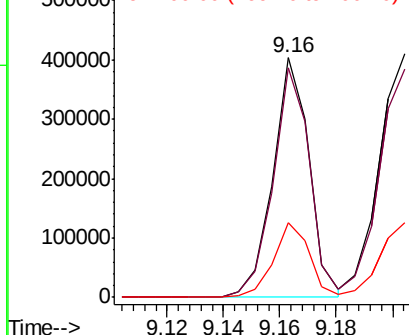
#43
 2,4,6-Trichlorophenol
 Concen: 44.927 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 358091
 Ion Ratio Lower Upper
 196 100
 198 95.9 76.3 114.5
 200 30.9 24.9 37.3

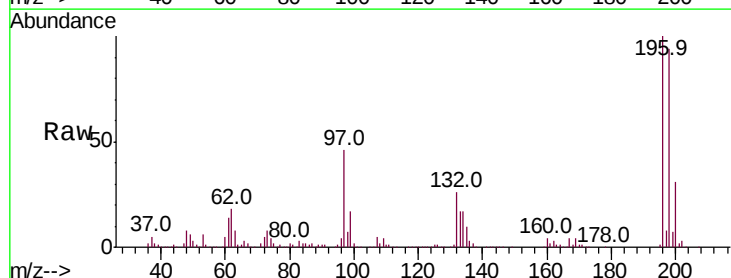


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

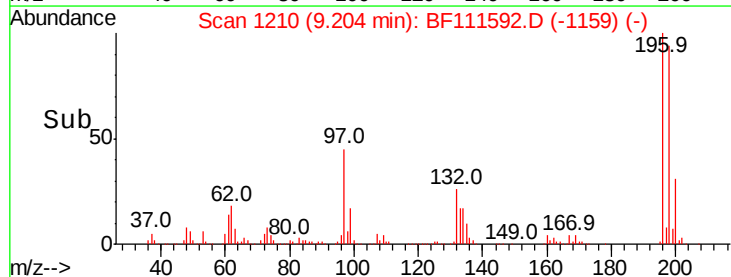
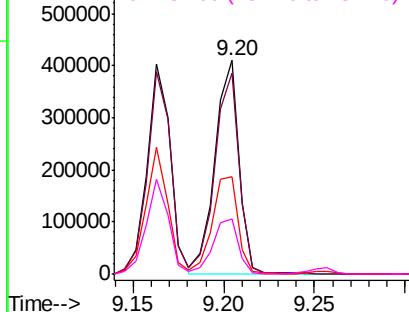


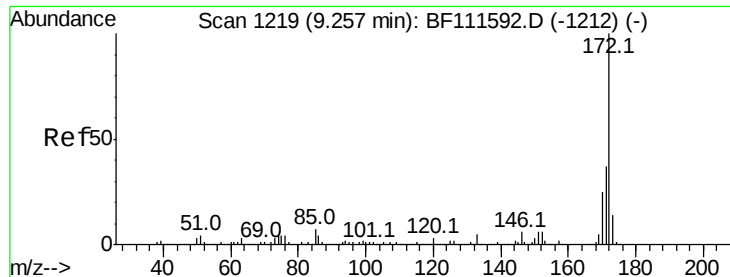
#44
 2,4,5-Trichlorophenol
 Concen: 44.486 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:196 Resp: 377315
 Ion Ratio Lower Upper
 196 100
 198 93.9 72.9 109.3
 97 45.6 45.3 67.9
 132 26.0 25.5 38.3



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

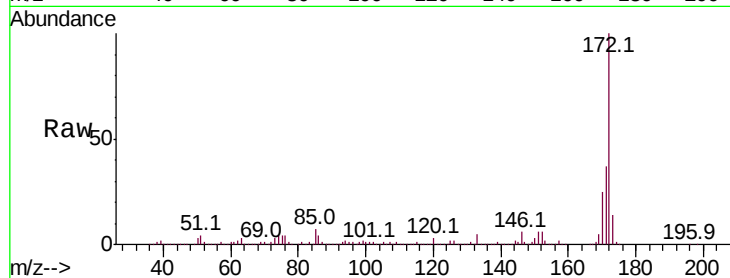




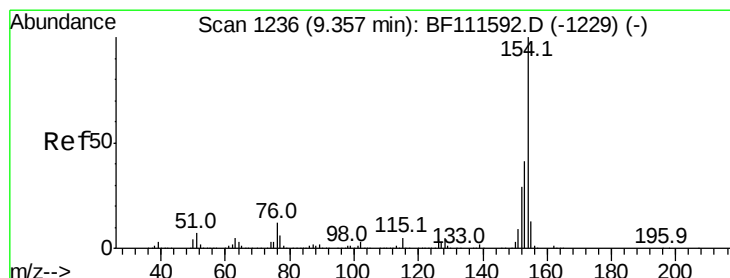
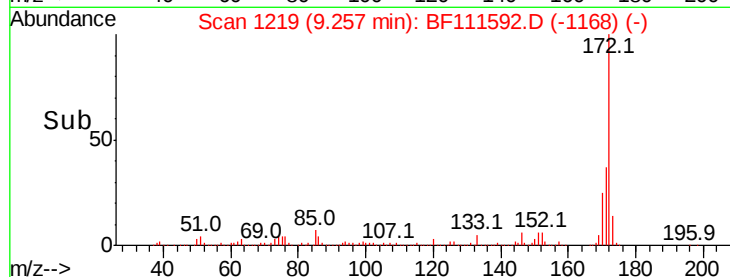
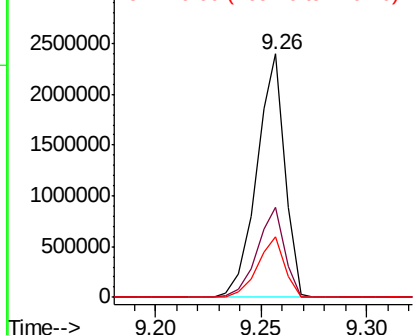
#45
2-Fluorobiphenyl
Concen: 82.971 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2205807
Ion Ratio Lower Upper
172 100
171 36.9 33.0 49.4
170 25.1 22.3 33.5

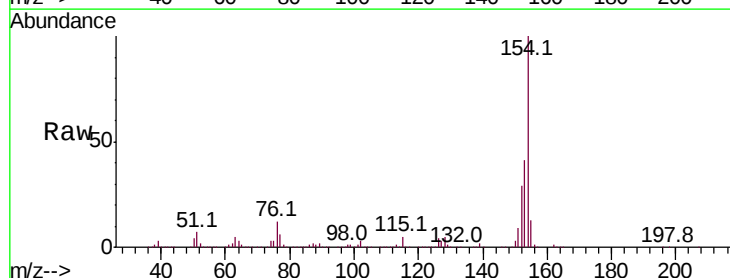


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

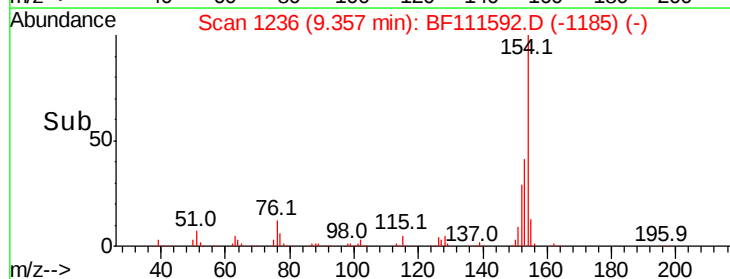
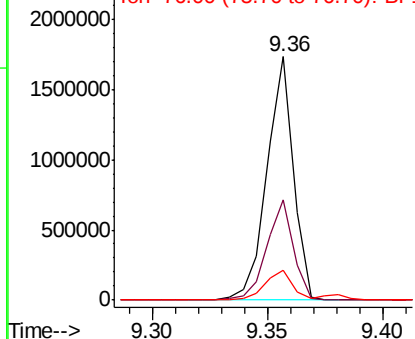


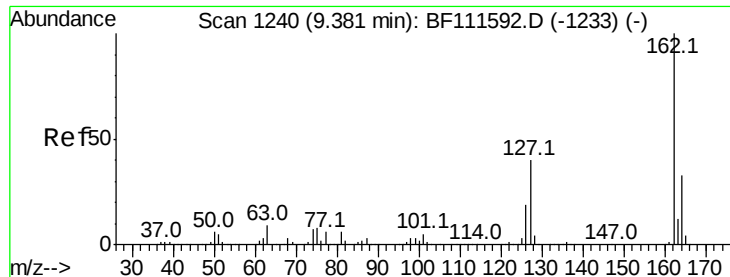
#46
1,1'-Biphenyl
Concen: 39.900 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:154 Resp: 1388304
Ion Ratio Lower Upper
154 100
153 41.2 23.7 63.7
76 12.3 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

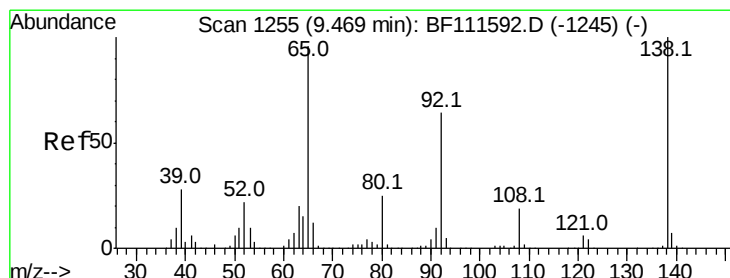
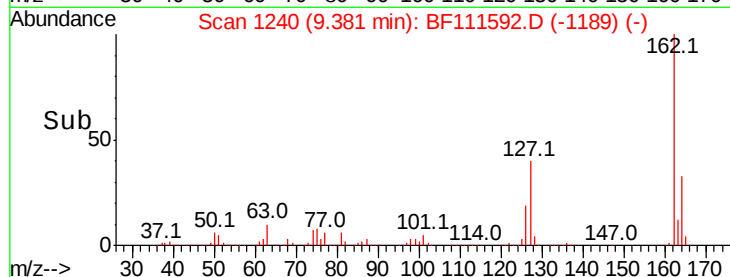
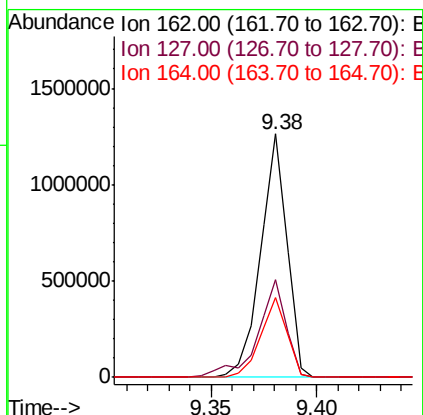
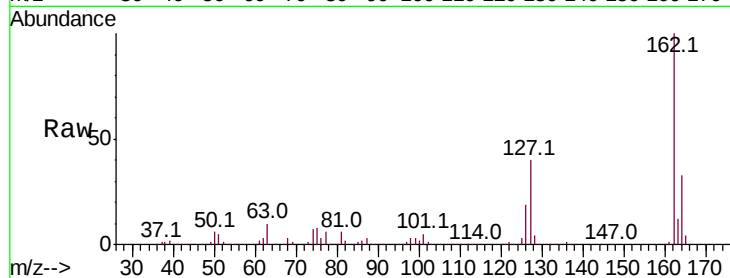




#47
 2-Chloronaphthalene
 Concen: 41.425 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

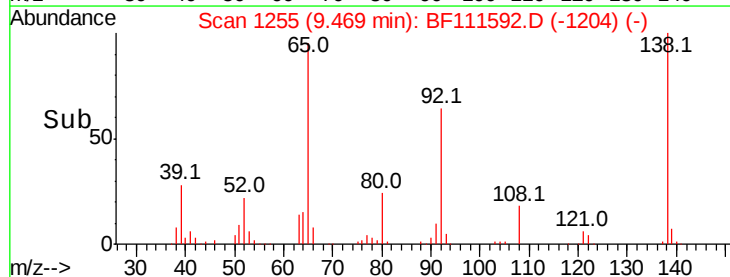
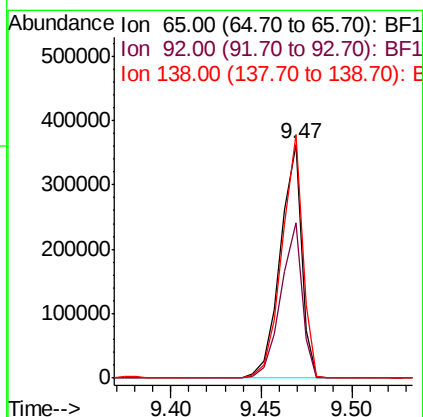
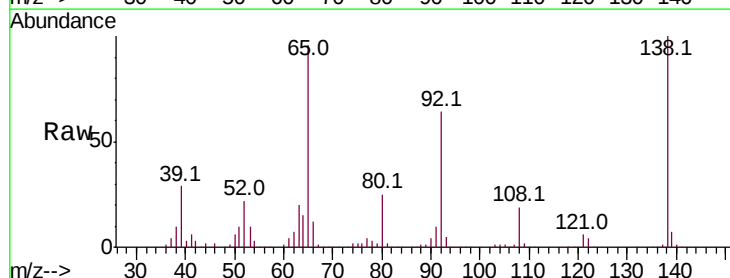
Instrument :
 BNA_F
 ClientSampleId :

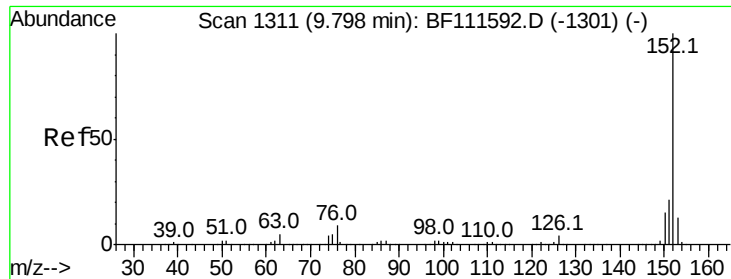
Tot Ion:162 Resp: 1095620
 Ion Ratio Lower Upper
 162 100
 127 40.1 35.0 52.4
 164 33.0 28.4 42.6



#48
 2-Nitroaniline
 Concen: 34.558 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion: 65 Resp: 296770
 Ion Ratio Lower Upper
 65 100
 92 66.5 53.5 80.3
 138 104.3 80.9 121.3





#49

Acenaphthylene

Concen: 40.716 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

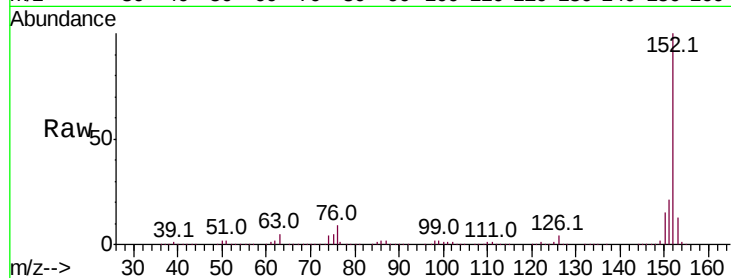
Tot Ion:152 Resp: 1598427

Ion Ratio Lower Upper

152 100

151 20.7 18.0 27.0

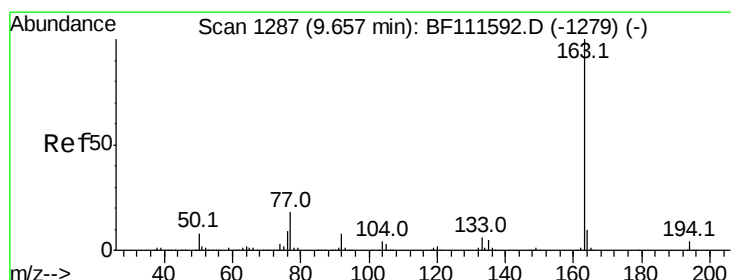
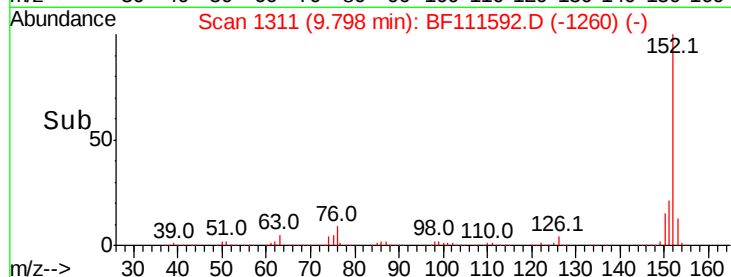
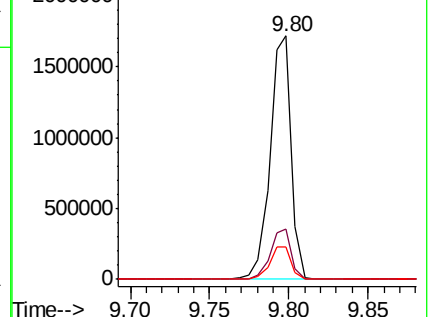
153 13.4 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.867 ng

RT: 9.66 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

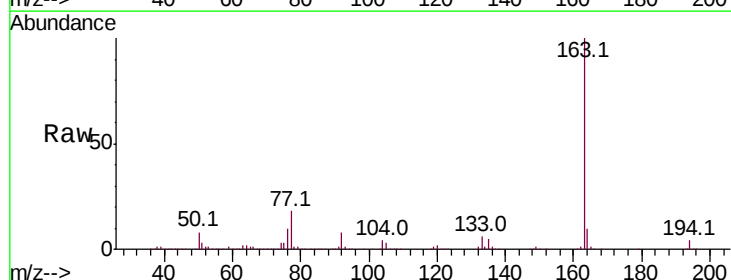
Tgt Ion:163 Resp: 1208588

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.6

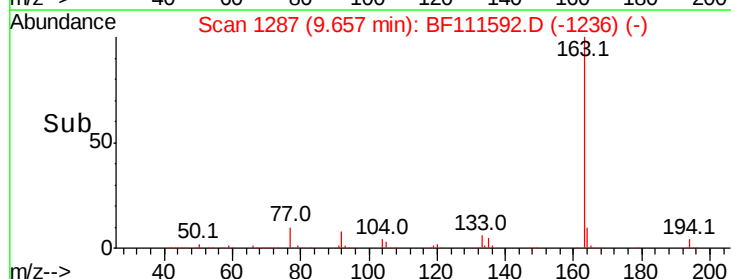
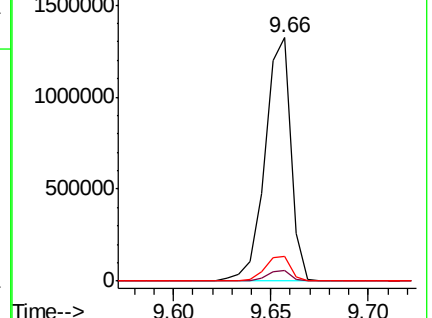
164 10.0 8.9 13.3

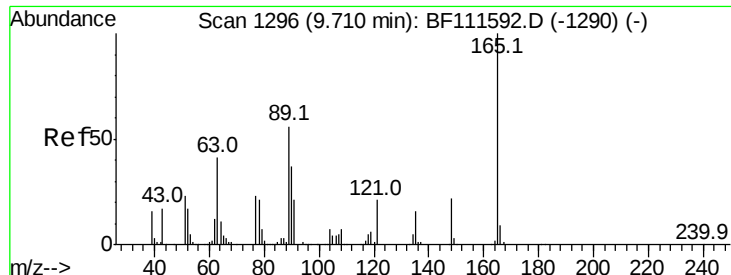


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

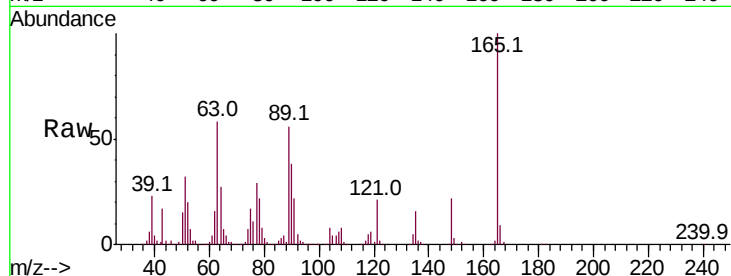




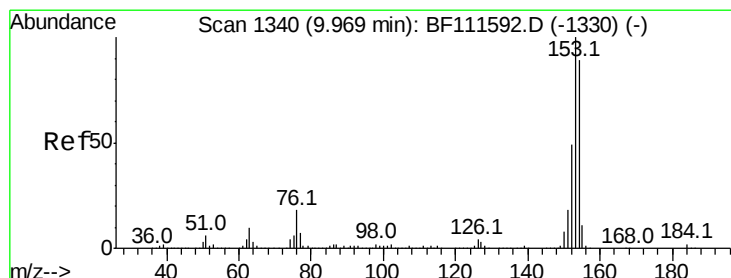
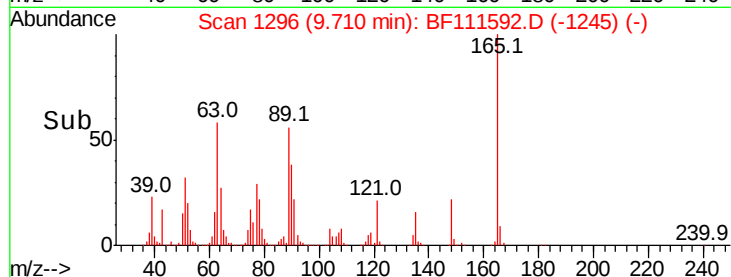
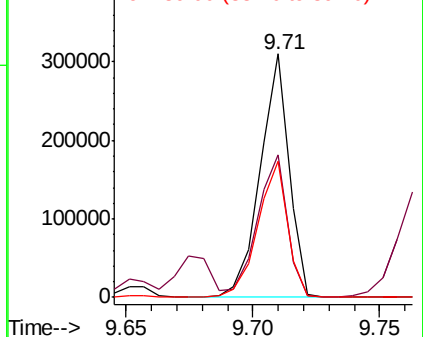
#51
2,6-Dinitrotoluene
Concen: 37.349 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.3	40.5	60.7
89	55.9	40.0	60.0

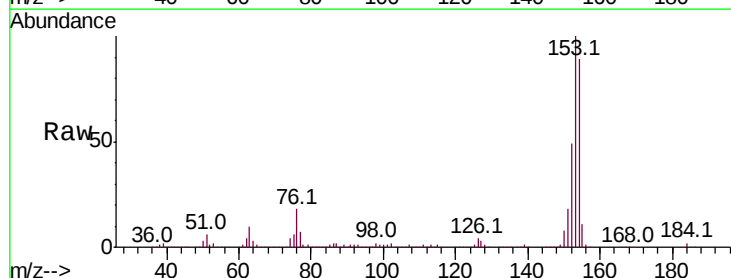


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

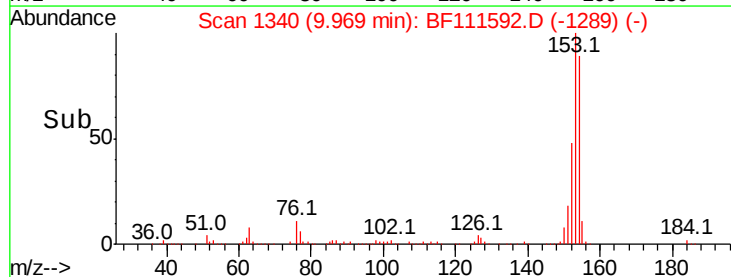
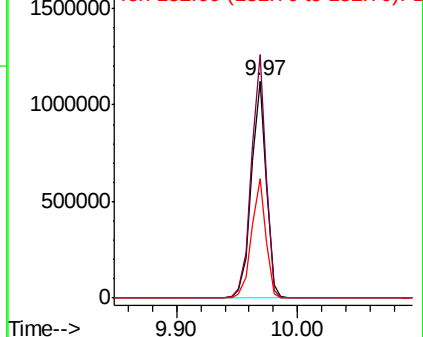


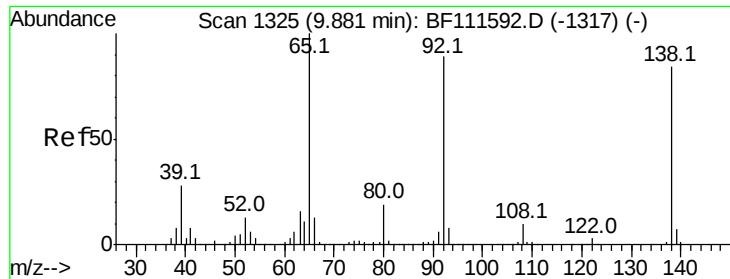
#52
Acenaphthene
Concen: 39.344 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	87.8	131.8
152	54.8	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

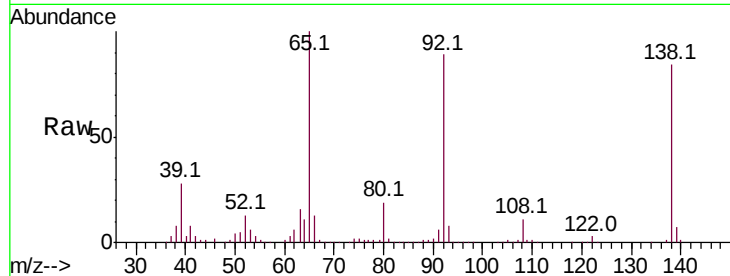




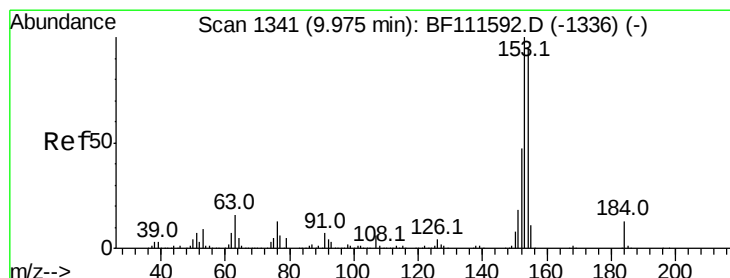
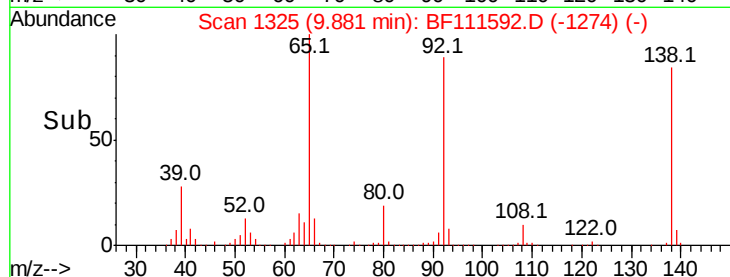
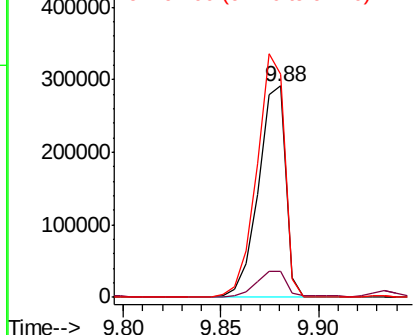
#53
3-Nitroaniline
Concen: 35.041 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 283324
Ion Ratio Lower Upper
138 100
108 12.6 8.2 12.4#
92 105.9 93.4 140.2

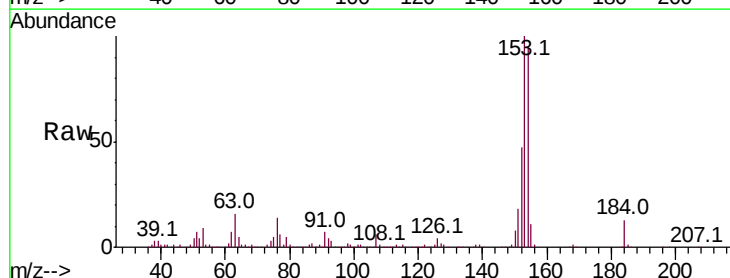


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

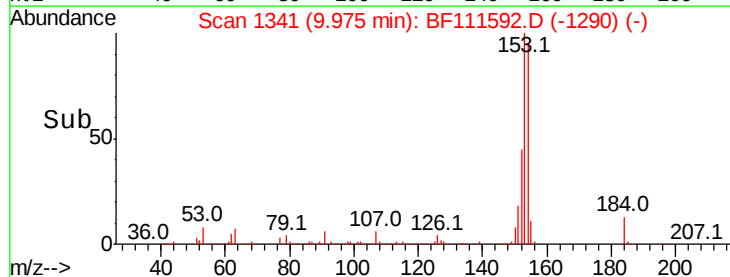
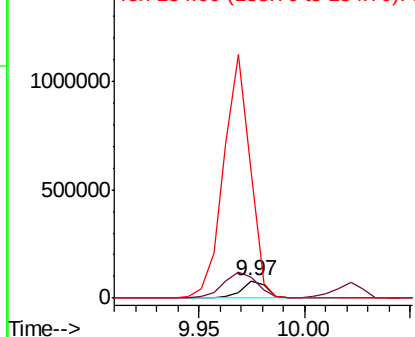


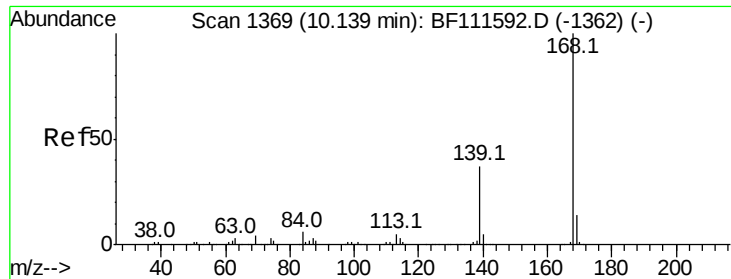
#54
2,4-Dinitrophenol
Concen: 26.070 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:184 Resp: 66025
Ion Ratio Lower Upper
184 100
63 122.5 62.3 93.5#
154 729.0 56.2 84.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

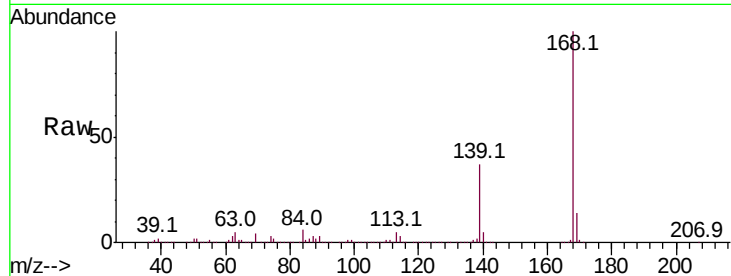




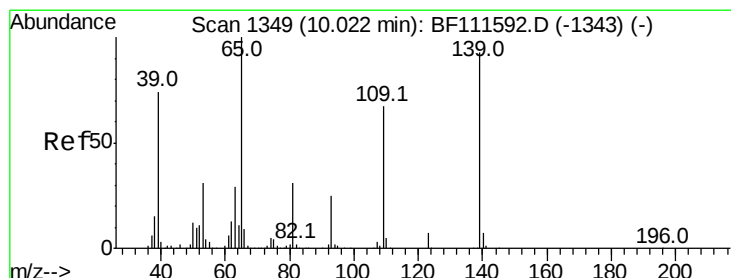
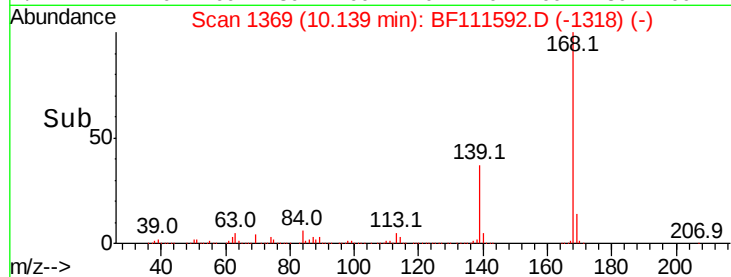
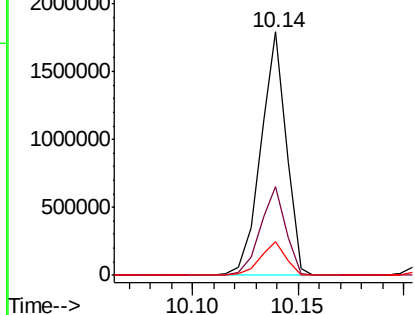
#55
Dibenzofuran
Concen: 41.693 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1501662
Ion Ratio Lower Upper
168 100
139 36.6 32.6 49.0
169 13.9 11.8 17.6

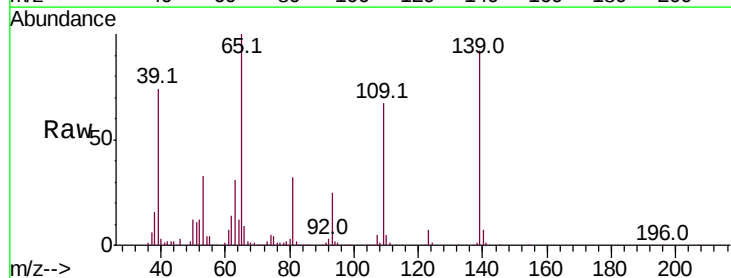


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

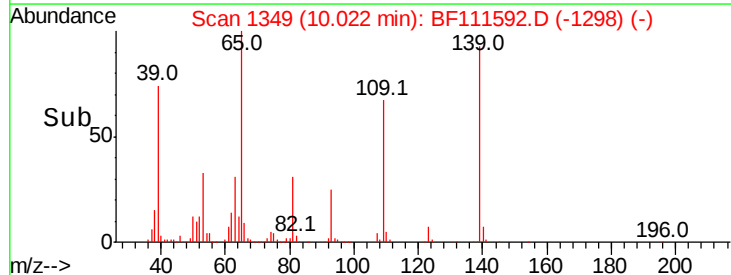
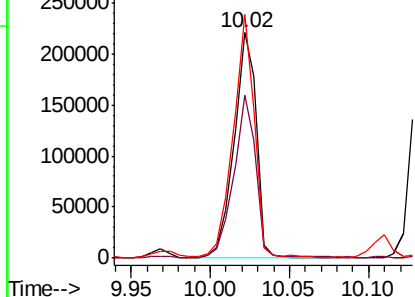


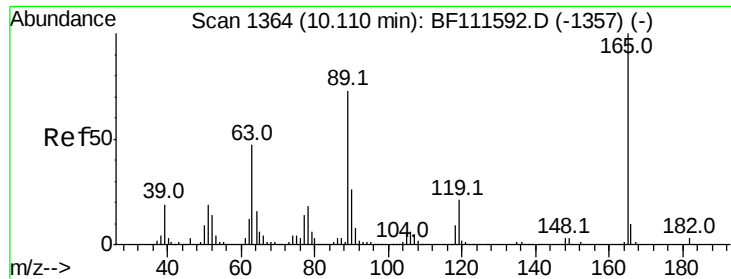
#56
4-Nitrophenol
Concen: 38.482 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:139 Resp: 215328
Ion Ratio Lower Upper
139 100
109 72.5 41.8 81.8
65 108.2 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

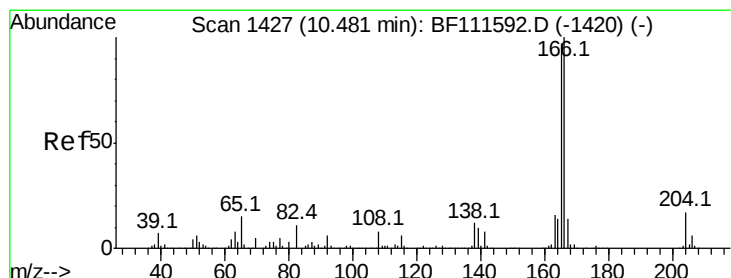
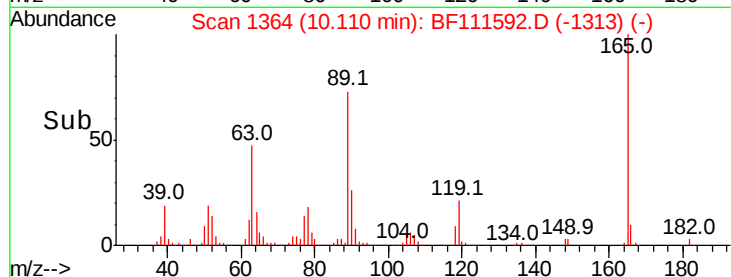
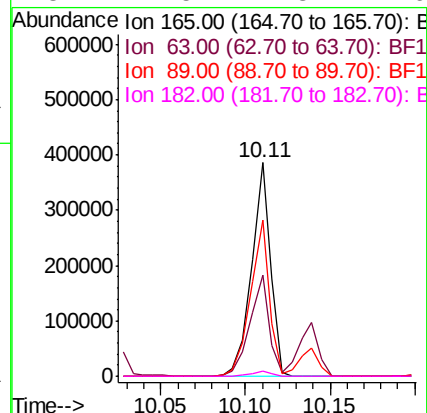
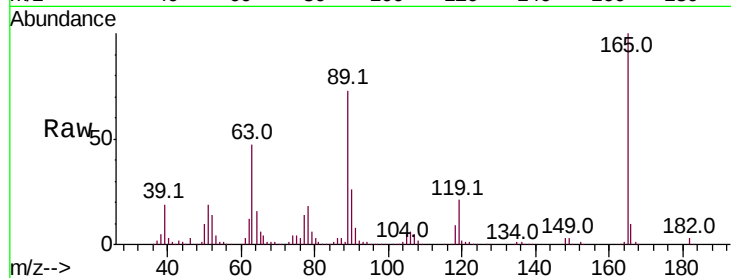




#57
2,4-Dinitrotoluene
Concen: 34.838 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

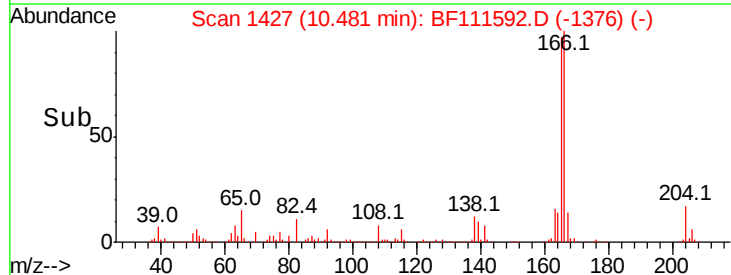
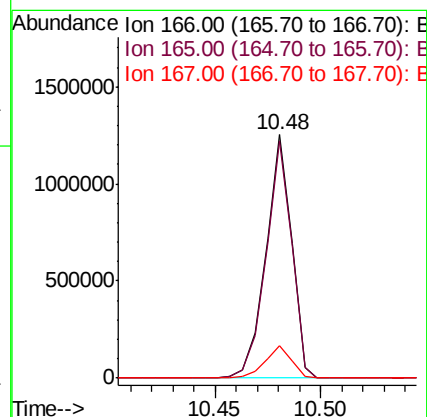
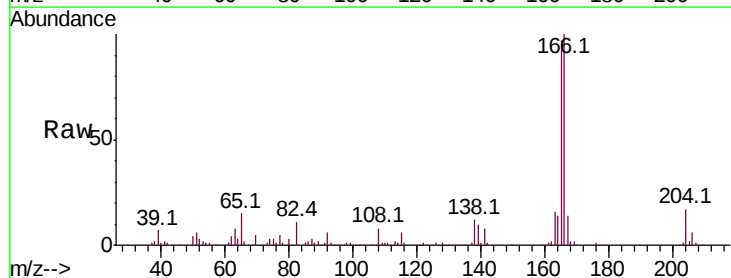
Instrument :
BNA_F
ClientSampleId :

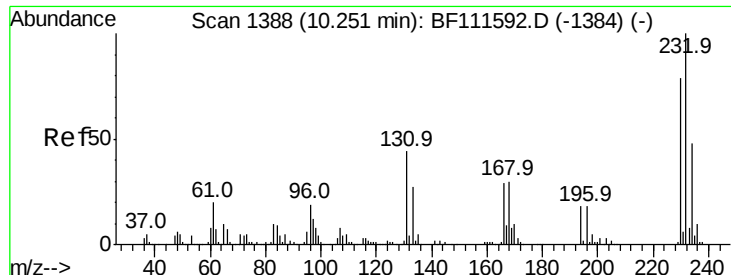
Tot Ion	Ratio	Lower	Upper
165	100		
63	47.2	34.6	52.0
89	72.9	56.2	84.4
182	2.5	1.8	2.6



#58
Fluorene
Concen: 40.666 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.4	117.6
167	13.5	11.2	16.8

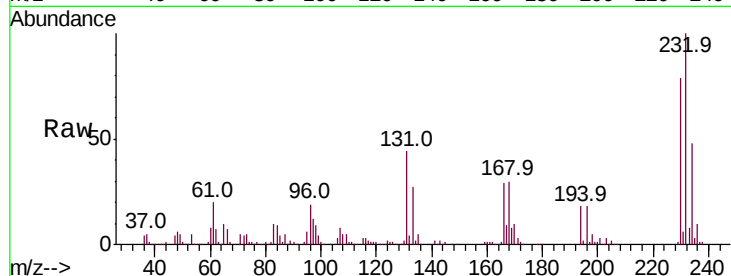




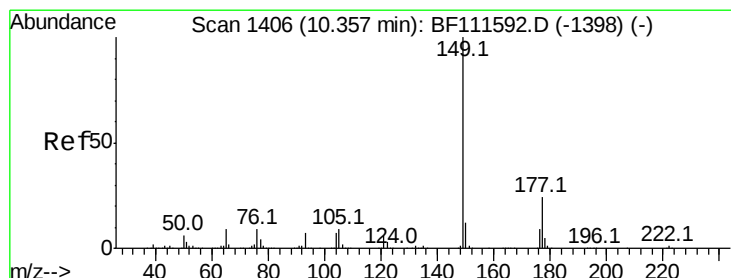
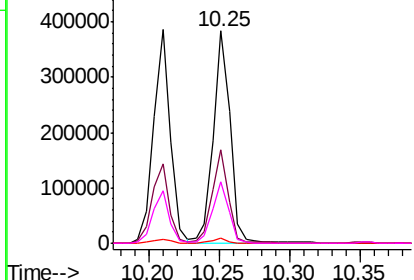
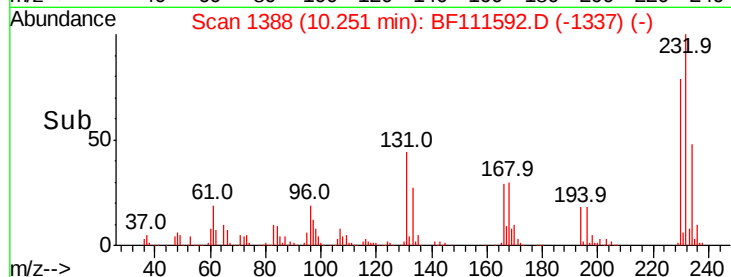
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.923 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 317579
Ion Ratio Lower Upper
232 100
131 42.1 40.9 61.3
130 2.1 2.0 3.0
166 28.2 26.8 40.2

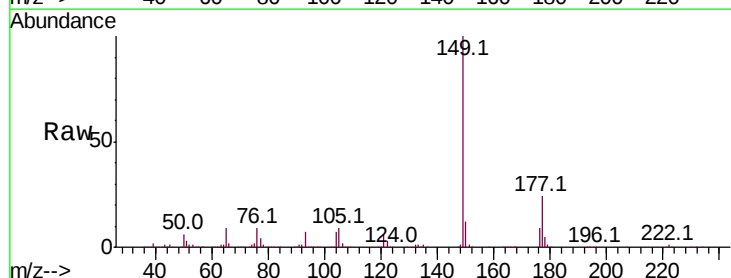


Abundance Ion 232.00 (231.70 to 232.70): E
600000
Ion 131.00 (130.70 to 131.70): E
500000
Ion 130.00 (129.70 to 130.70): E
400000
Ion 166.00 (165.70 to 166.70): E
300000
200000
100000
0

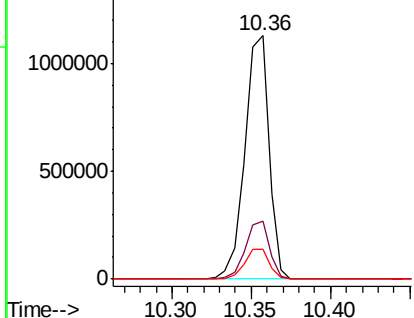
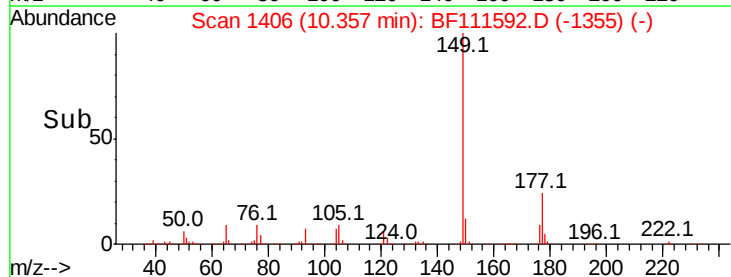


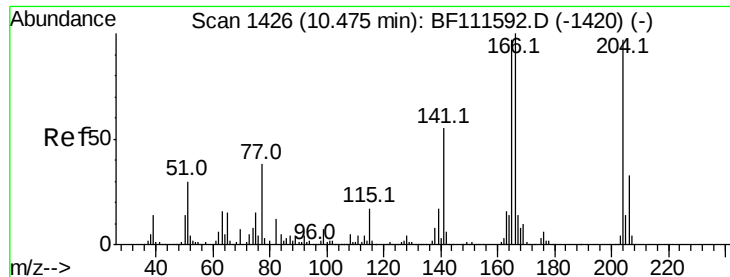
#60
Diethylphthalate
Concen: 39.686 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:149 Resp: 1188885
Ion Ratio Lower Upper
149 100
177 24.0 18.3 27.5
150 12.2 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E
1500000
Ion 177.00 (176.70 to 177.70): E
1000000
Ion 150.00 (149.70 to 150.70): E
500000
0

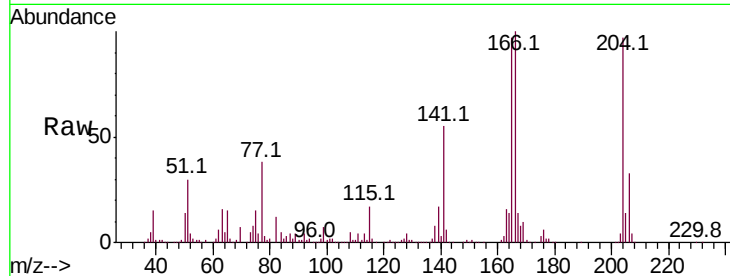




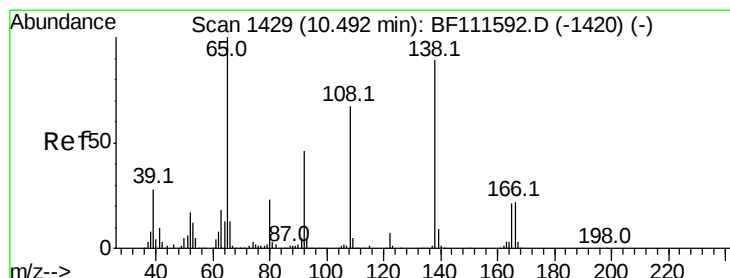
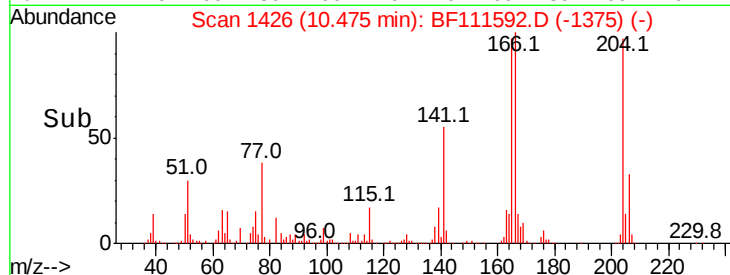
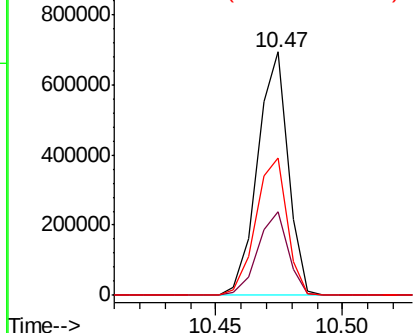
#61
4-Chlorophenyl-phenylether
Concen: 45.804 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:204 Resp: 585436
Ion Ratio Lower Upper
204 100
206 34.3 26.6 39.8
141 56.5 52.6 78.8

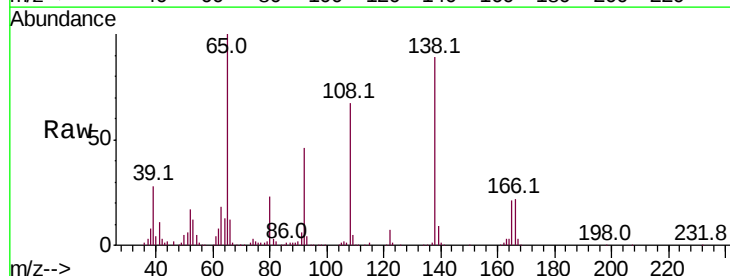


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

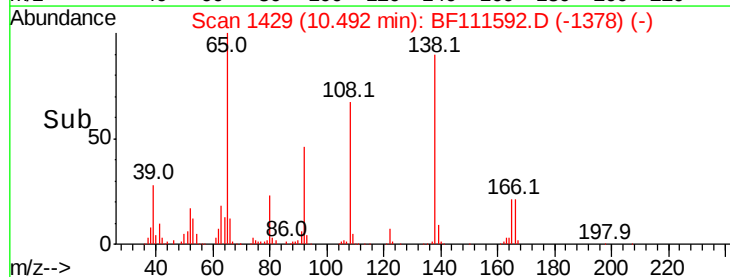
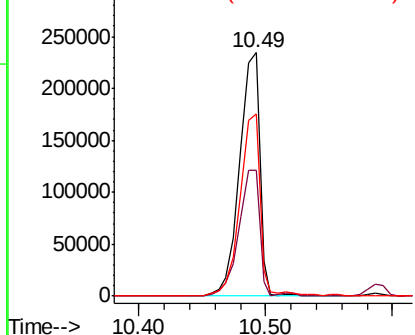


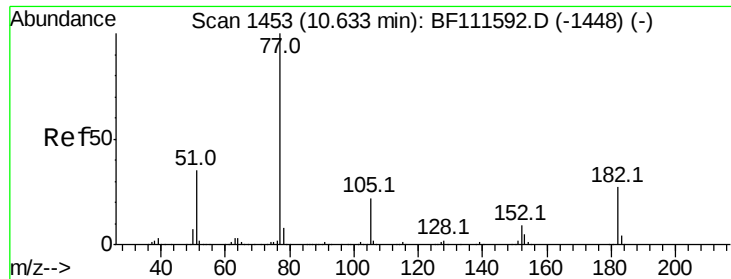
#62
4-Nitroaniline
Concen: 32.092 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:138 Resp: 256868
Ion Ratio Lower Upper
138 100
92 51.8 29.9 69.9
108 74.9 43.2 83.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 40.350 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1191664

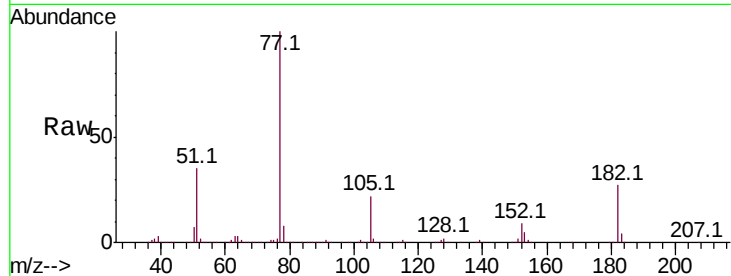
Ion Ratio Lower Upper

77 100

182 26.5 4.9 44.9

105 21.5 6.0 46.0

51 34.5 14.7 54.7

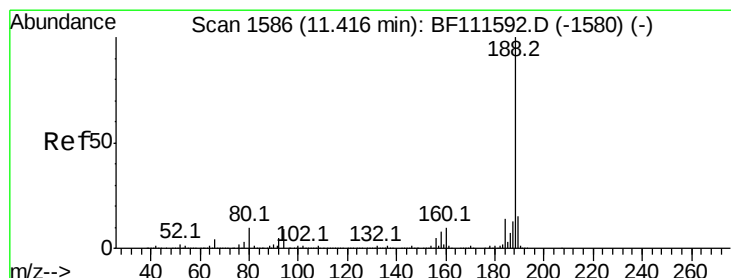
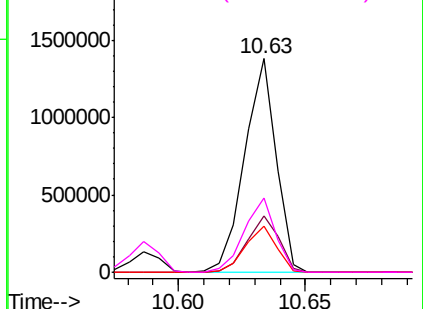
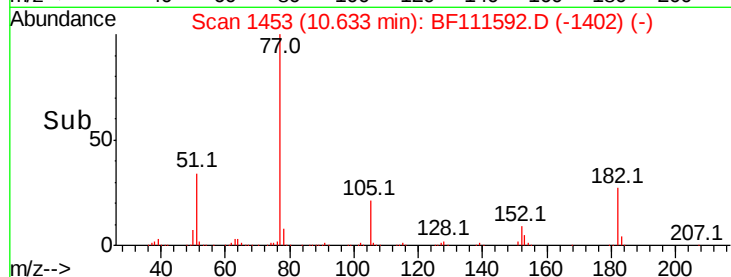


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

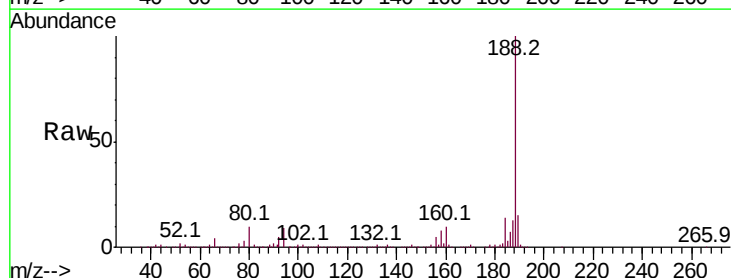
Tgt Ion: 188 Resp: 771716

Ion Ratio Lower Upper

188 100

94 9.2 9.6 14.4#

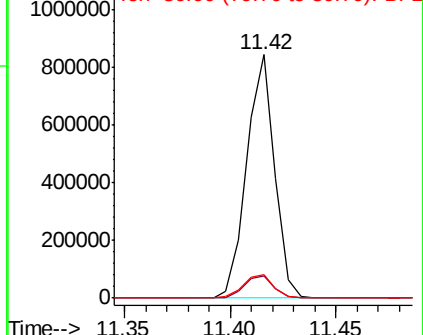
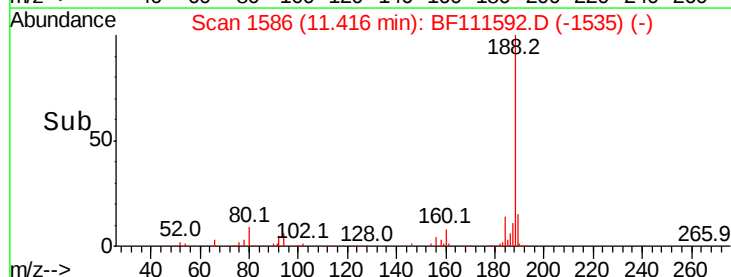
80 9.6 9.8 14.6#

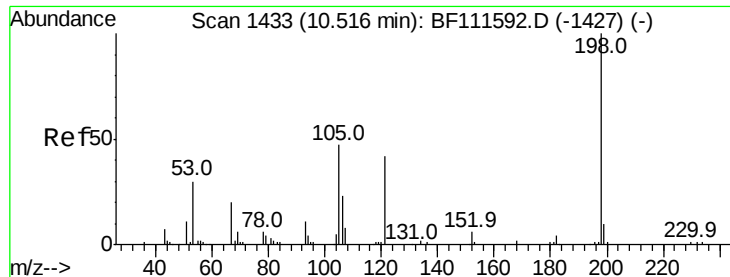


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 27.422 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

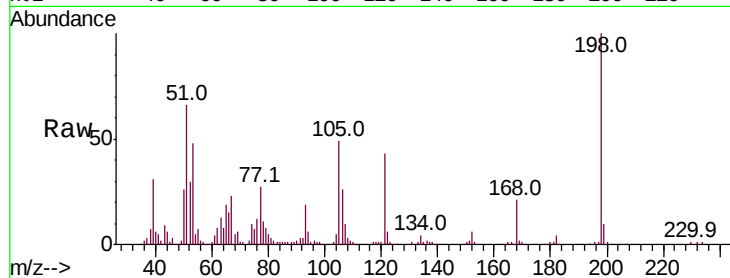
Instrument :

BNA_F

ClientSampleId :

Tot Ion:198 Resp: 119470

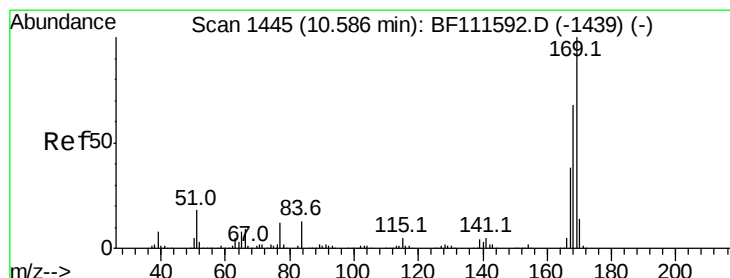
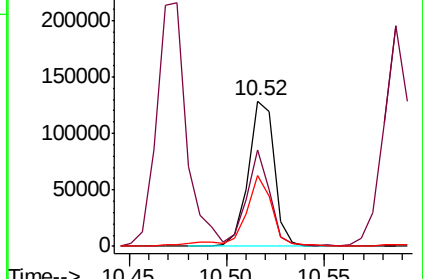
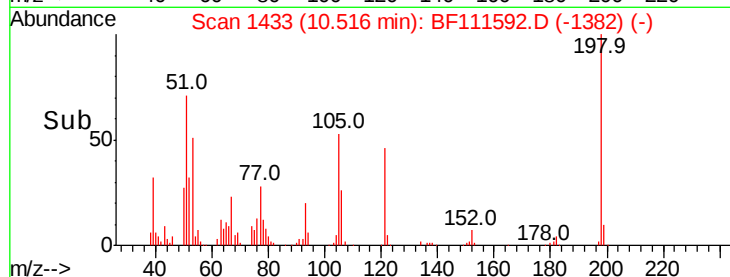
Ion	Ratio	Lower	Upper
198	100		
51	66.1	48.0	88.0
105	49.1	34.0	74.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.287 ng

RT: 10.59 min Scan# 1445

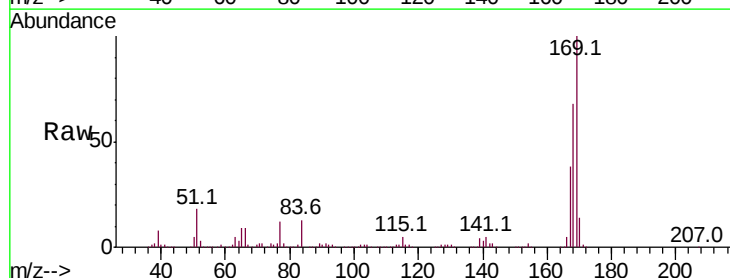
Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion:169 Resp: 1045530

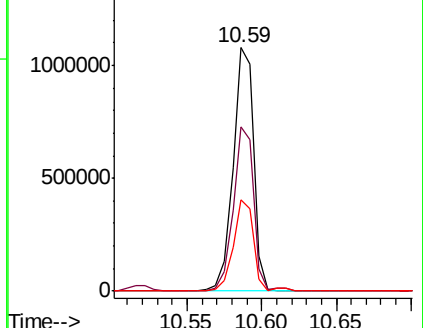
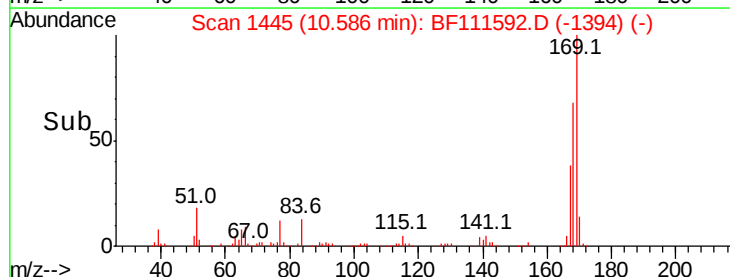
Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.4	81.6
167	37.6	30.5	45.7

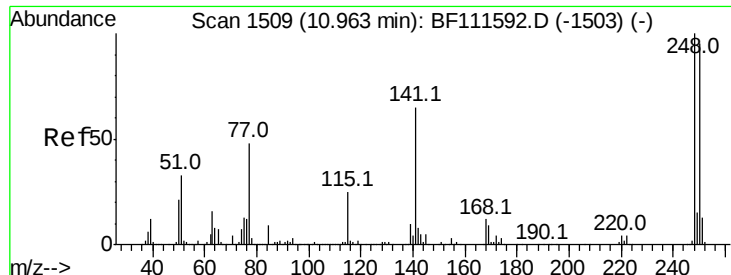


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

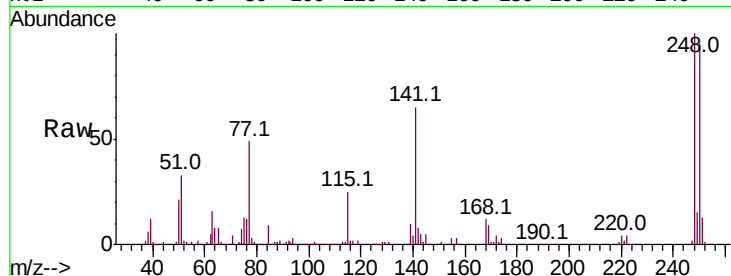




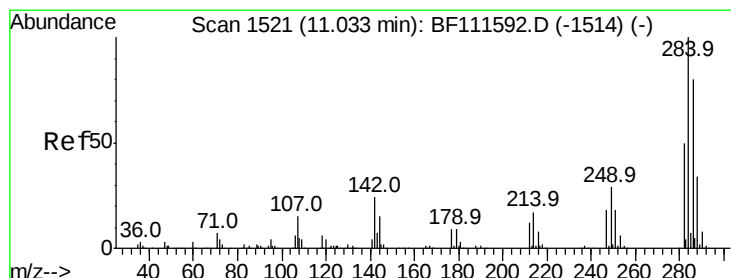
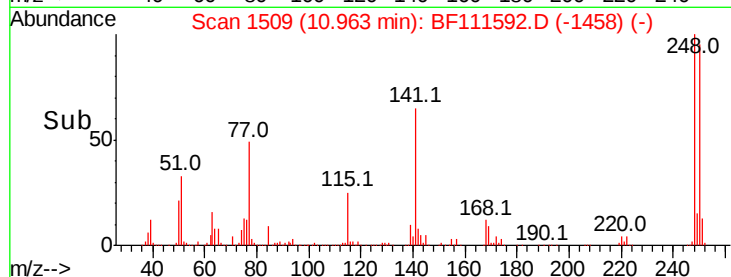
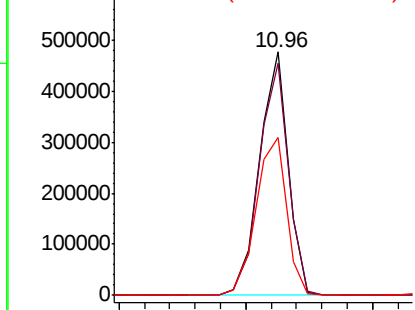
#67
 4-Bromophenyl-phenylether
 Concen: 45.586 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 379166
 Ion Ratio Lower Upper
 248 100
 250 95.5 77.0 115.4
 141 64.6 63.0 94.6

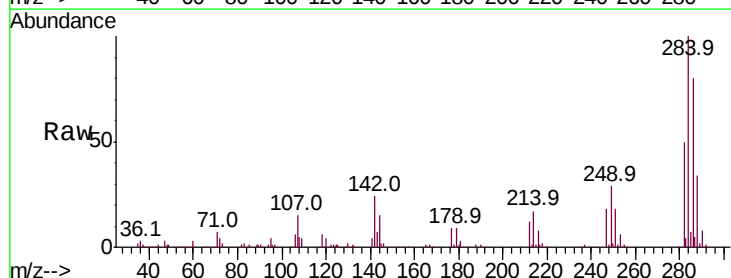


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

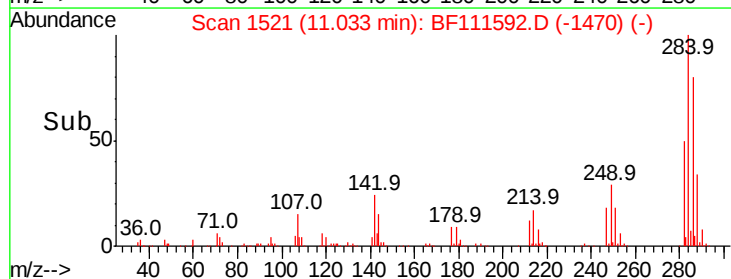
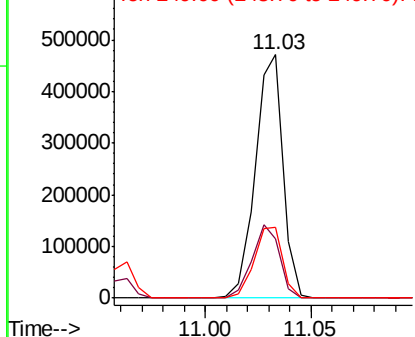


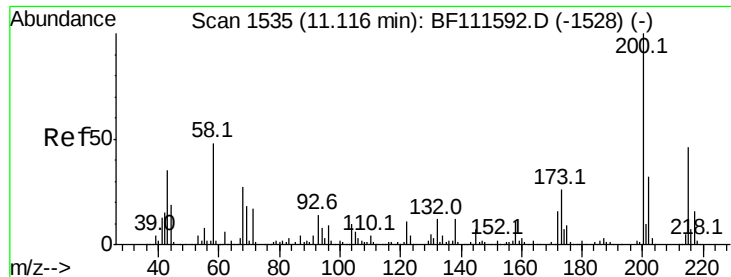
#68
 Hexachlorobenzene
 Concen: 50.179 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:284 Resp: 429322
 Ion Ratio Lower Upper
 284 100
 142 24.3 27.4 41.2#
 249 29.1 24.4 36.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

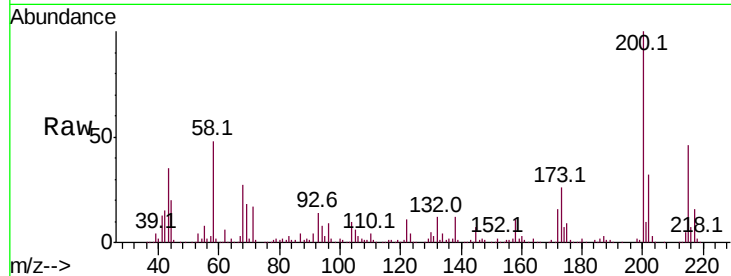




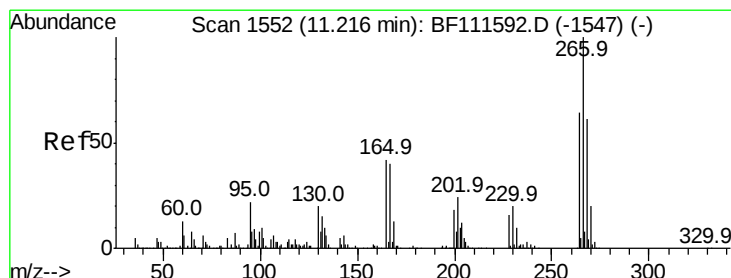
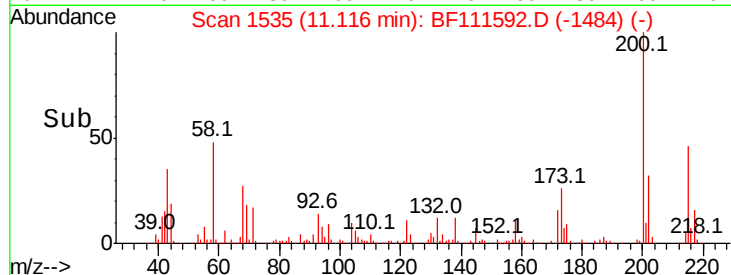
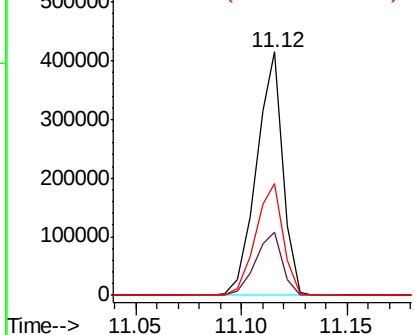
#69
Atrazine
Concen: 46.746 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	10.1	50.1
215	46.1	26.9	66.9

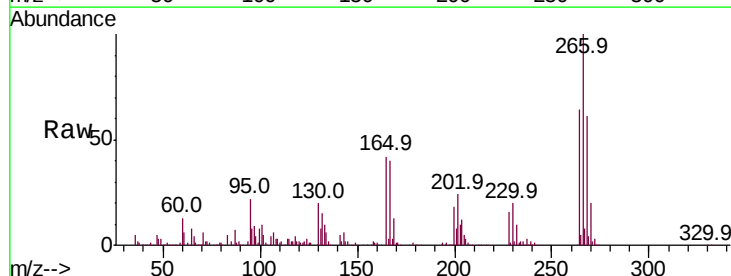


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

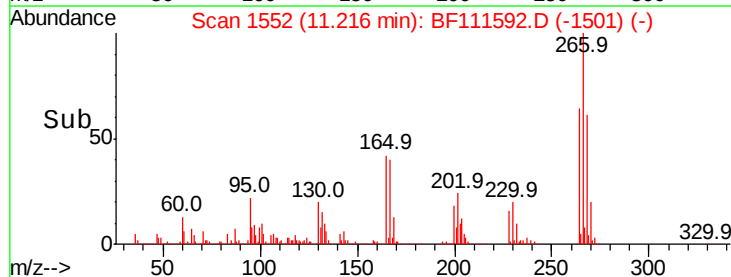
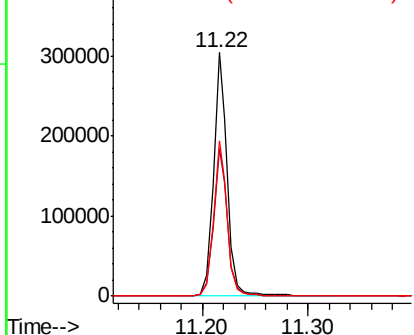


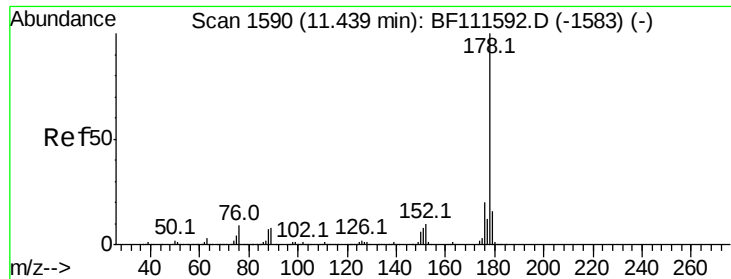
#70
Pentachlorophenol
Concen: 53.304 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.8	47.9	71.9
264	63.7	49.1	73.7



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 40.996 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

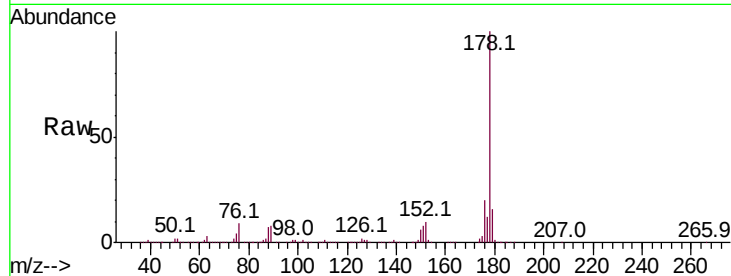
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1630196

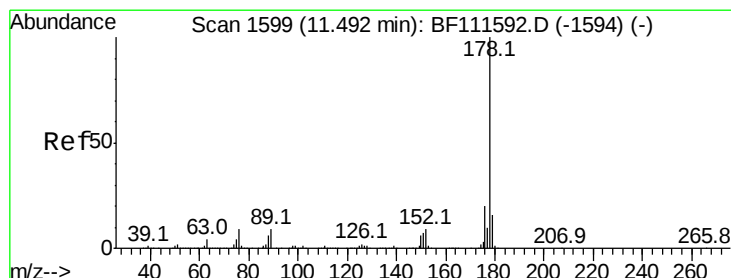
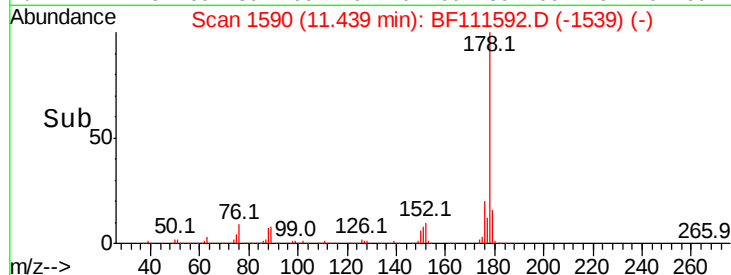
Ion	Ratio	Lower	Upper
178	100		
176	20.3	18.1	27.1
179	16.1	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.058 ng

RT: 11.49 min Scan# 1599

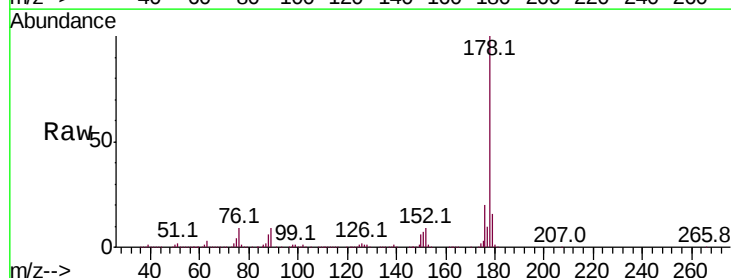
Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion:178 Resp: 1629038

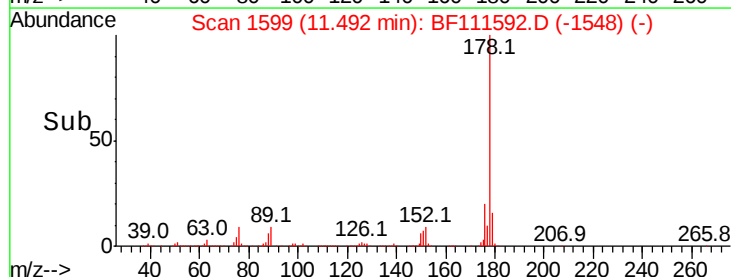
Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.2	25.8
179	15.8	13.8	20.8

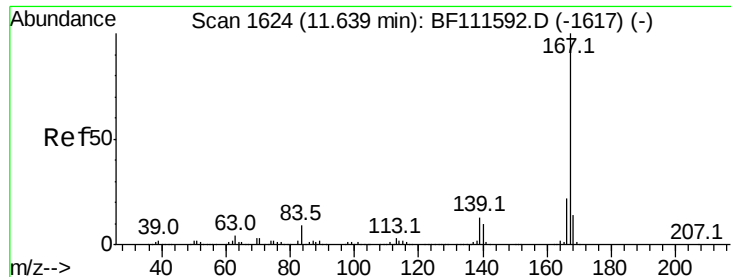


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



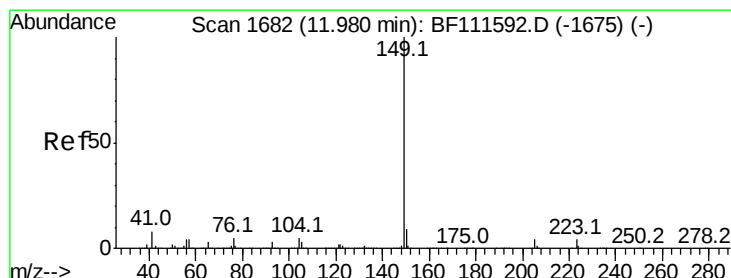
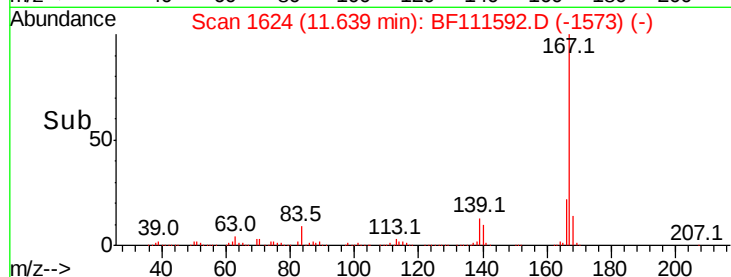
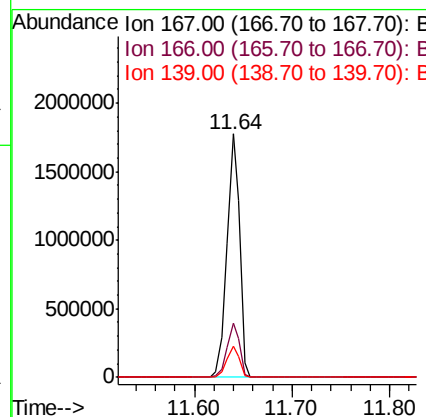
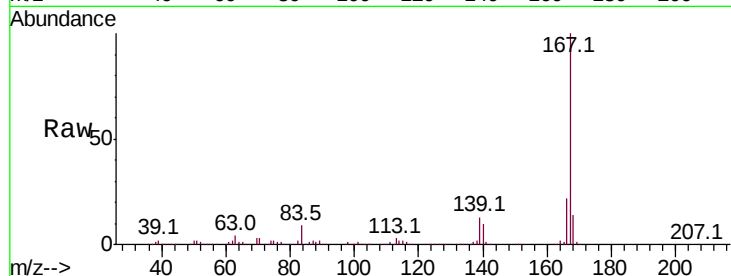


#73
 Carbazole
 Concen: 37.861 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 1592187

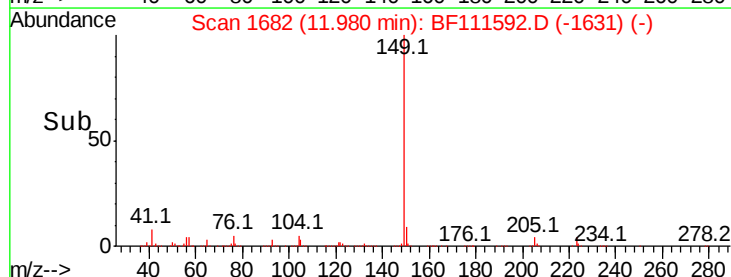
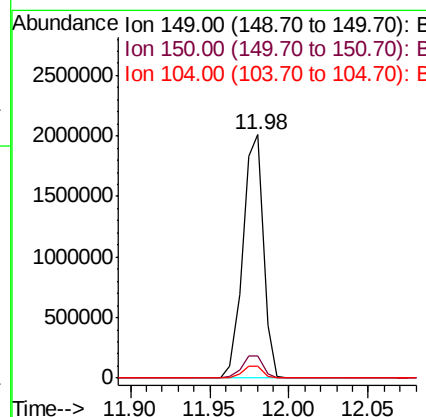
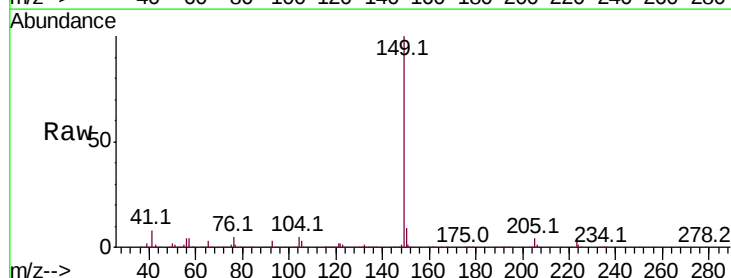
Ion	Ratio	Lower	Upper
167	100		
166	22.3	19.3	28.9
139	13.0	11.9	17.9

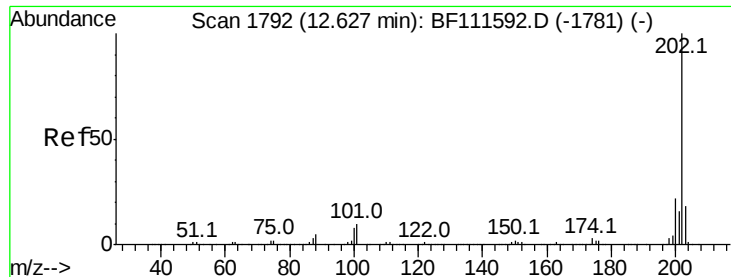


#74
 Di-n-butylphthalate
 Concen: 38.443 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:149 Resp: 1800468

Ion	Ratio	Lower	Upper
149	100		
150	9.3	8.8	13.2
104	4.7	4.5	6.7

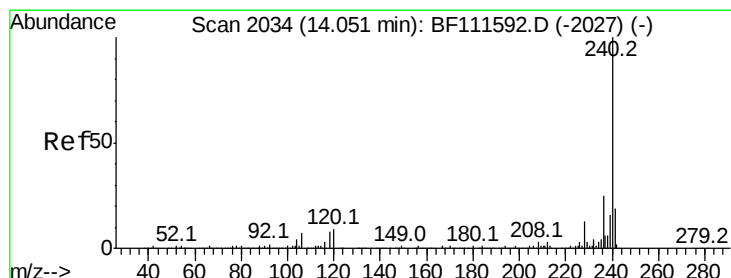
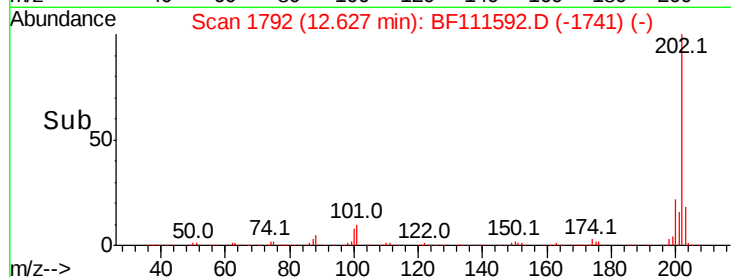
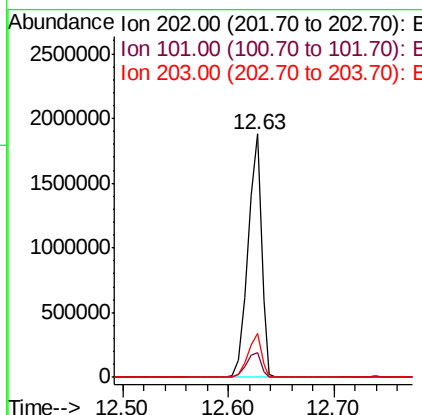
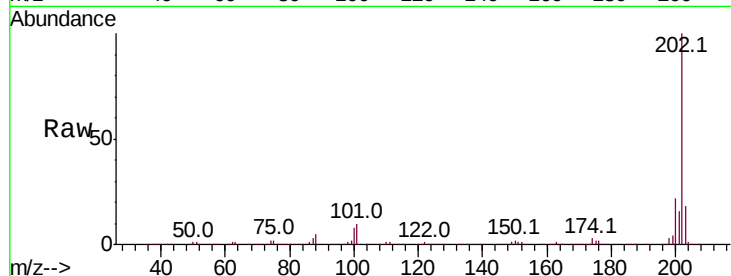




#75
 Fluoranthene
 Concen: 42.528 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

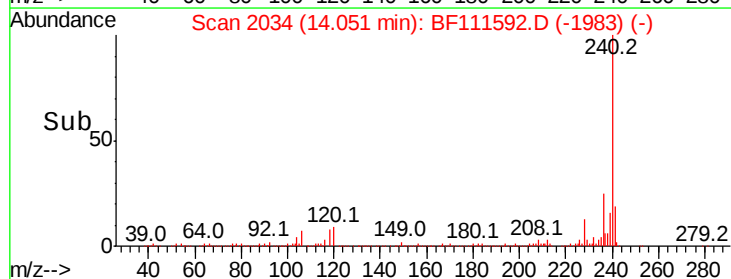
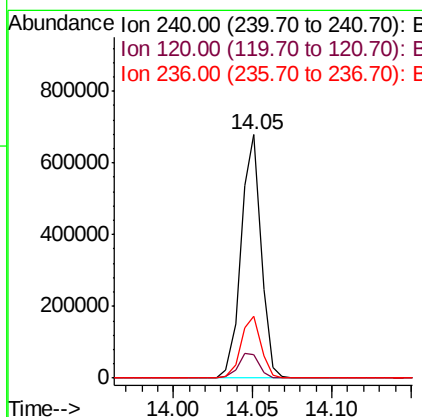
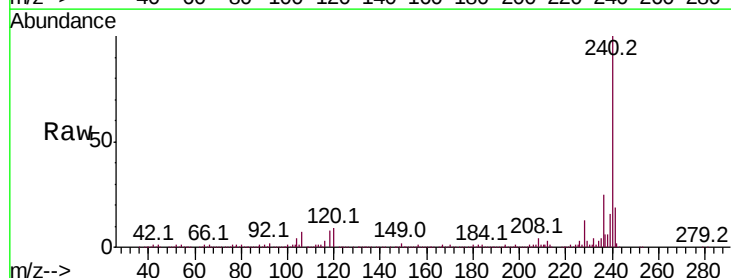
Instrument :
 BNA_F
 ClientSampled :

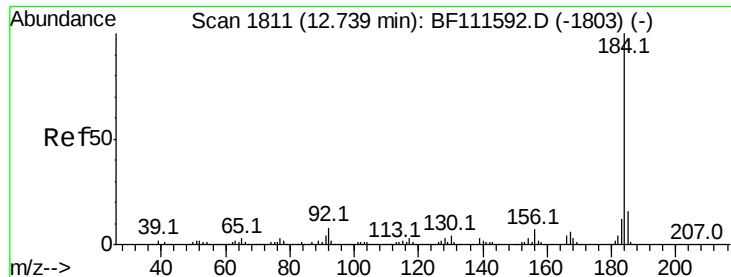
Tot Ion:202 Resp: 1654431
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 33.8
 203 18.1 0.0 38.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF111592.D
 Acq: 19 Dec 2018 15:33

Tgt Ion:240 Resp: 592046
 Ion Ratio Lower Upper
 240 100
 120 9.5 12.2 18.2#
 236 25.4 20.2 30.2





#77

Benzidine

Concen: 41.439 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

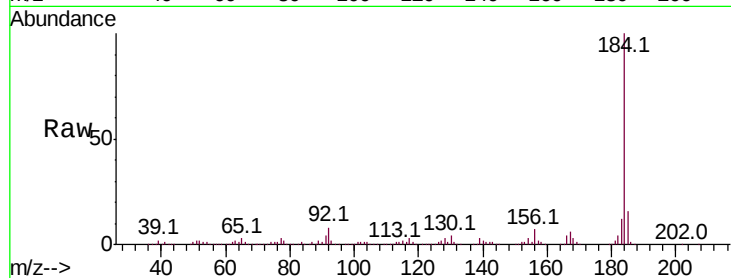
Tot Ion:184 Resp: 901862

Ion Ratio Lower Upper

184 100

185 16.1 13.0 19.6

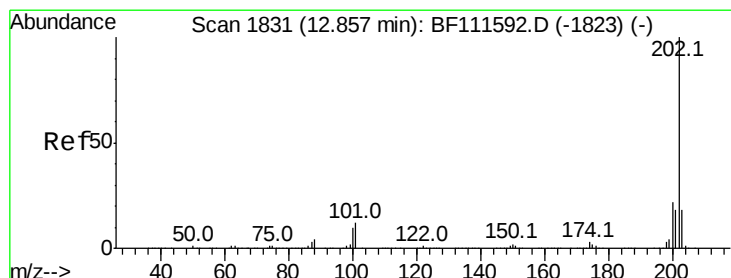
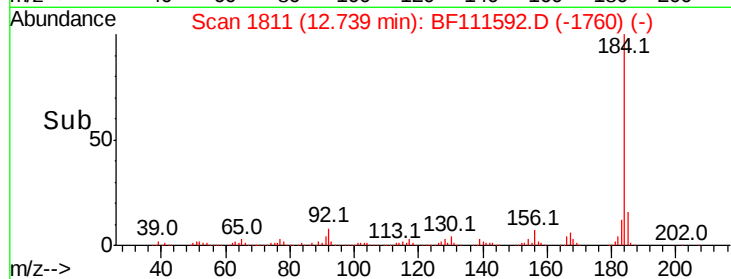
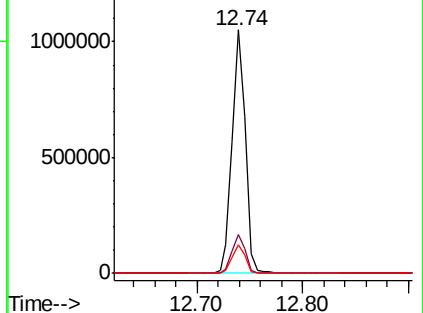
183 11.8 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 40.509 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

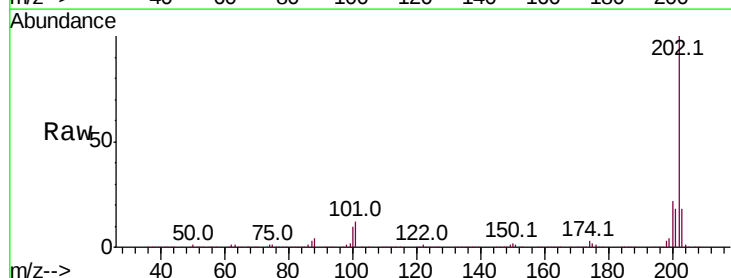
Tgt Ion:202 Resp: 1690897

Ion Ratio Lower Upper

202 100

200 22.0 19.0 28.4

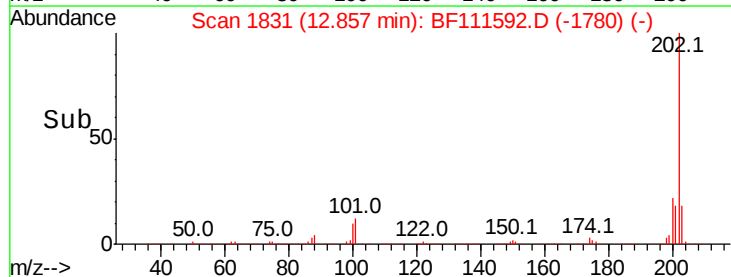
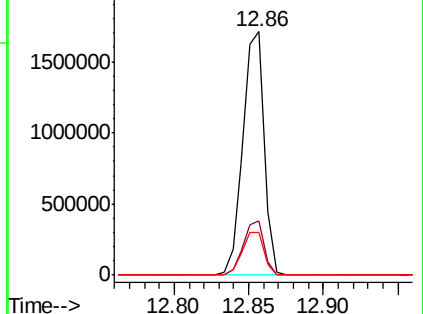
203 17.8 15.2 22.8

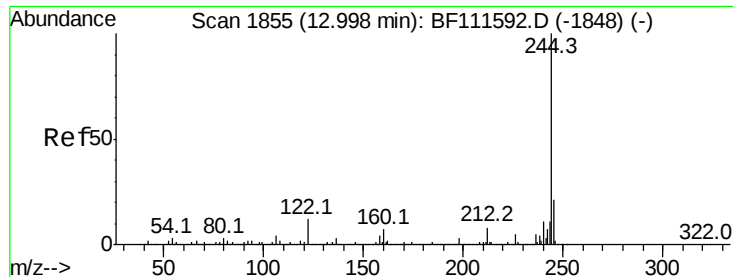


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 98.132 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

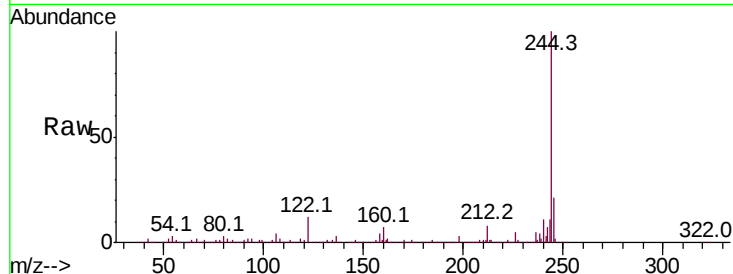
Tot Ion:244 Resp: 2474135

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

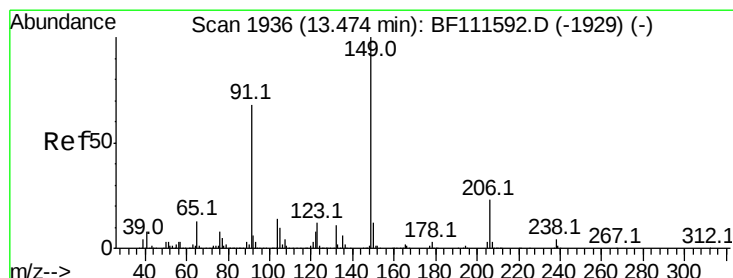
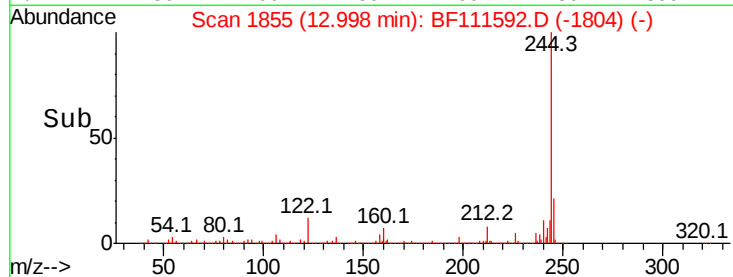
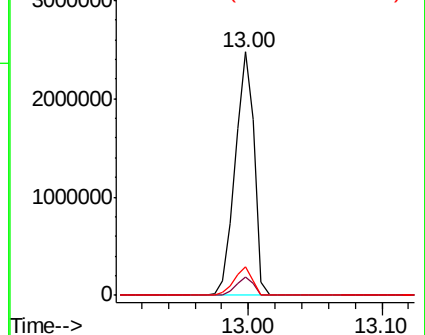
122 11.8 13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 34.892 ng

RT: 13.47 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

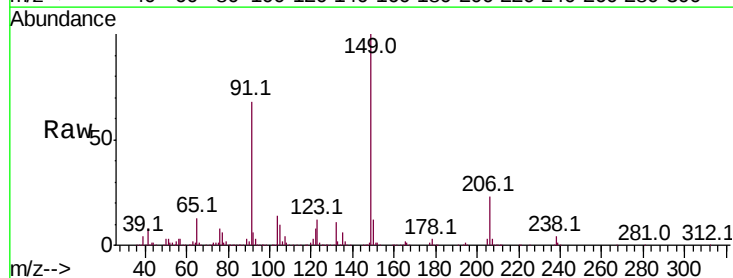
Tgt Ion:149 Resp: 709909

Ion Ratio Lower Upper

149 100

91 68.0 63.8 95.6

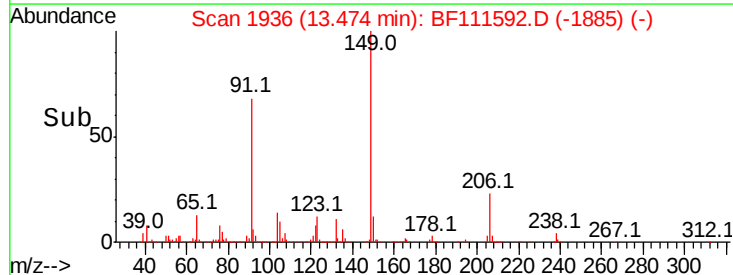
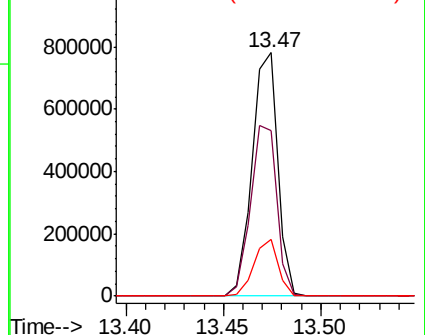
206 23.3 15.1 22.7#

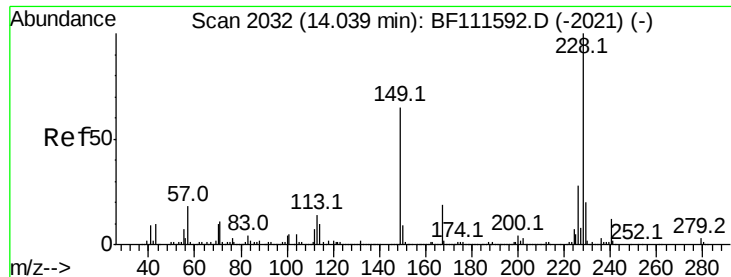


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.383 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

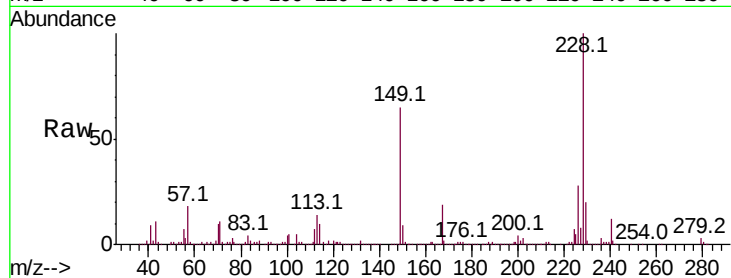
Tot Ion:228 Resp: 1332199

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

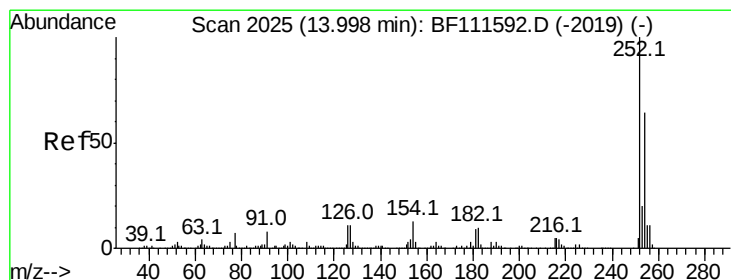
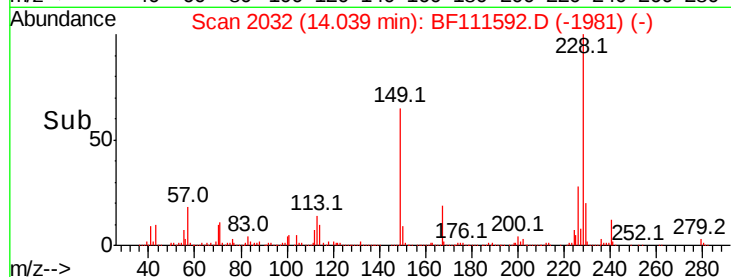
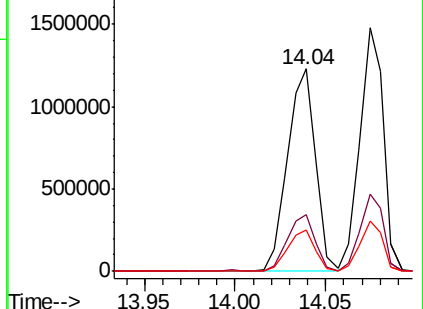
229 20.3 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 41.979 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

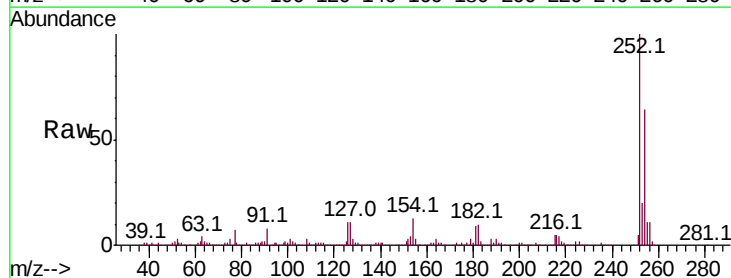
Tgt Ion:252 Resp: 549367

Ion Ratio Lower Upper

252 100

254 63.7 52.7 79.1

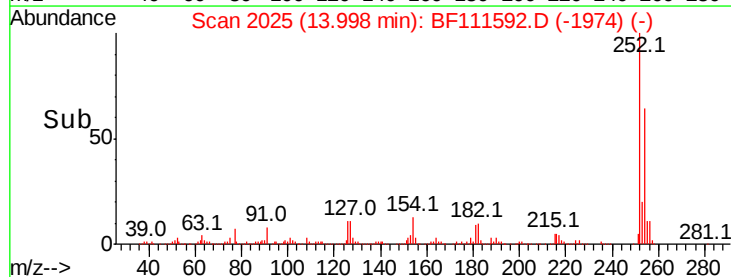
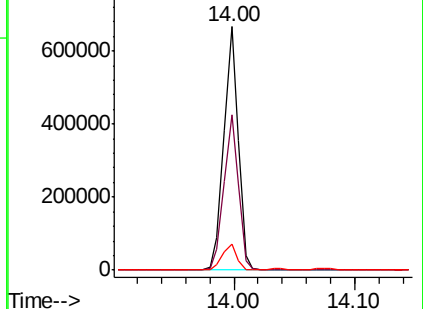
126 10.6 11.1 16.7#

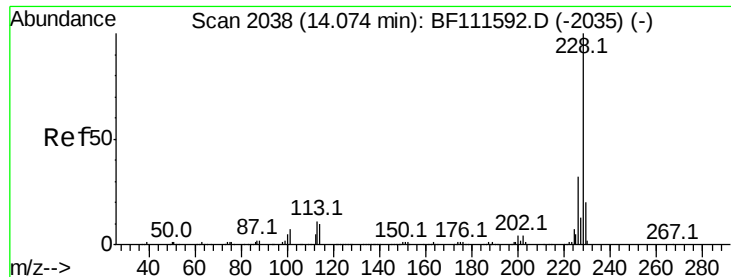


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 39.322 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

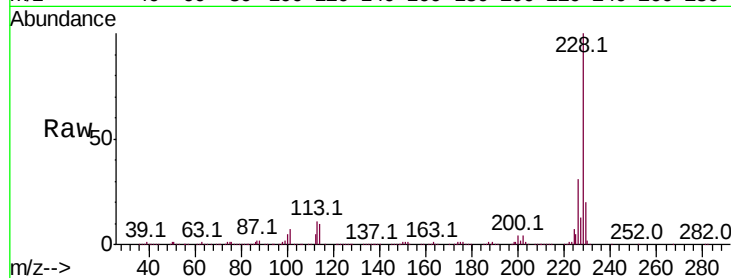
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1333495

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.3	37.9
229	20.5	17.2	25.8

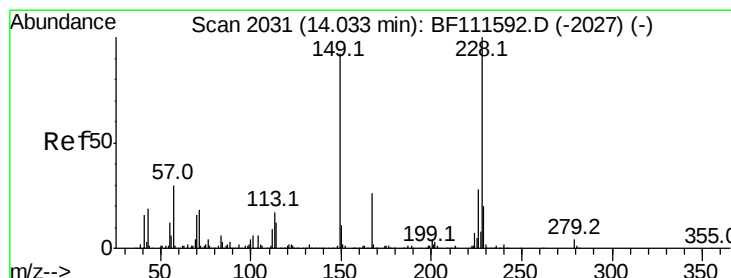
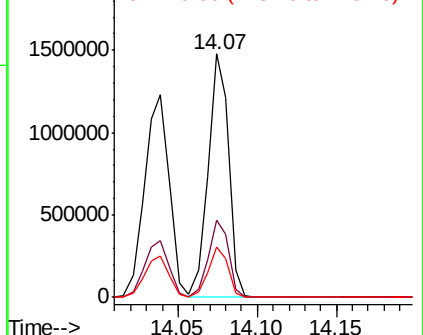
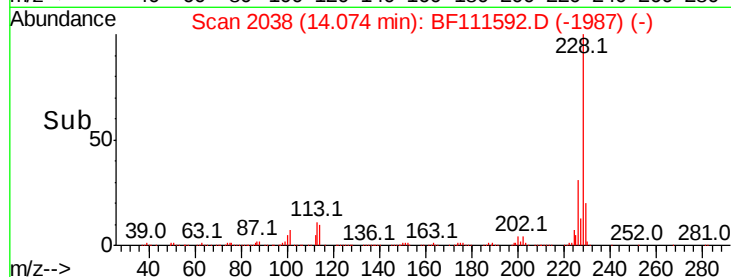


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 33.781 ng

RT: 14.03 min Scan# 2031

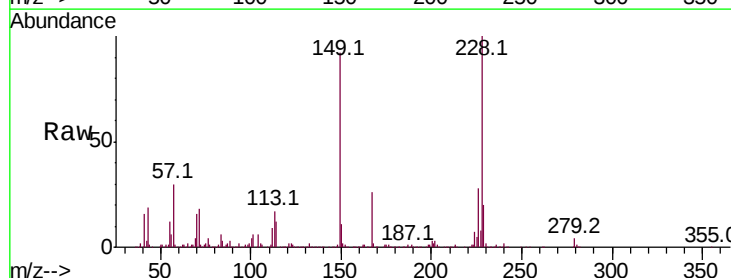
Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Tgt Ion:149 Resp: 877873

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.5	33.7
279	3.9	2.6	4.0

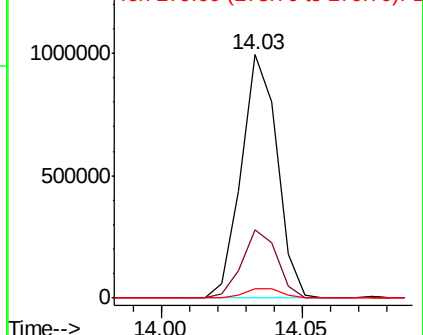
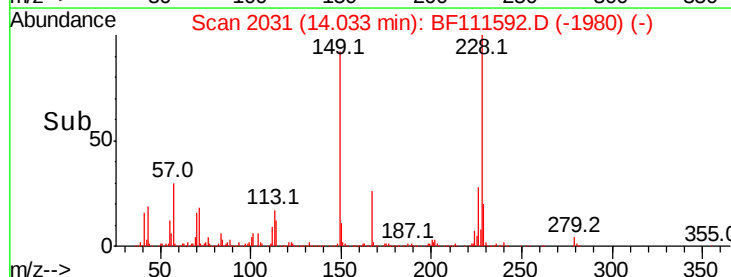


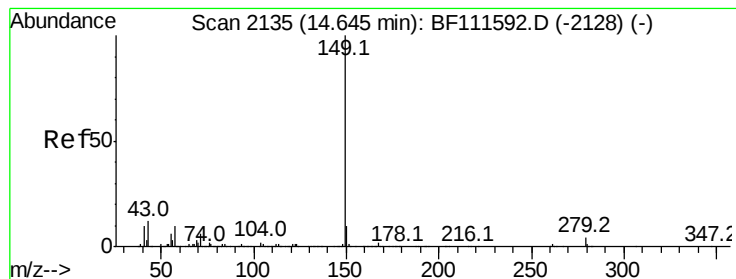
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 30.950 ng

RT: 14.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

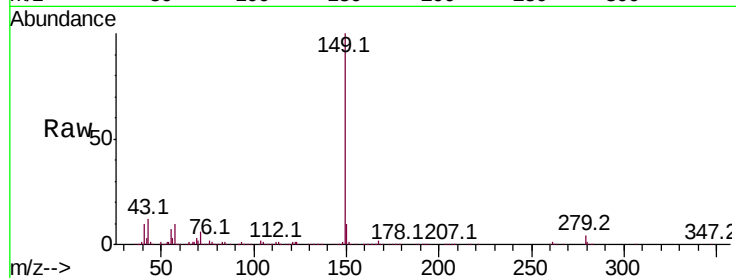
Tot Ion:149 Resp: 1356668

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

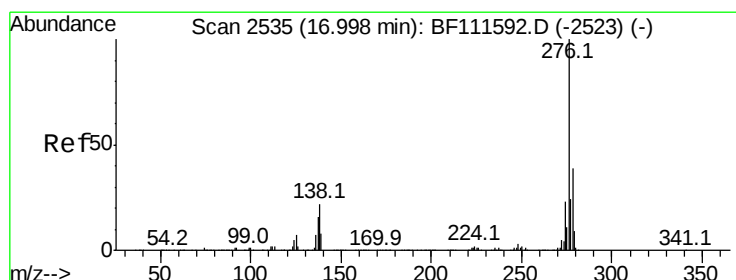
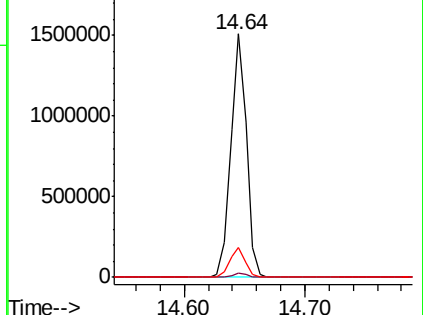
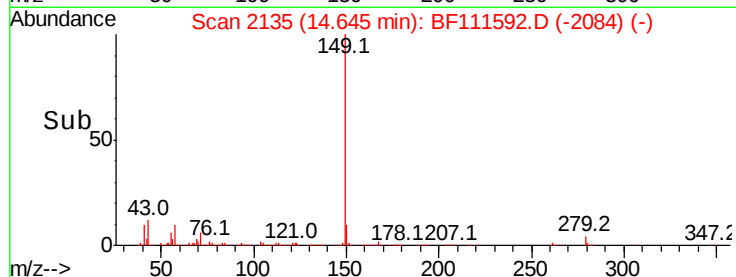
43 12.2 10.9 16.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.257 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

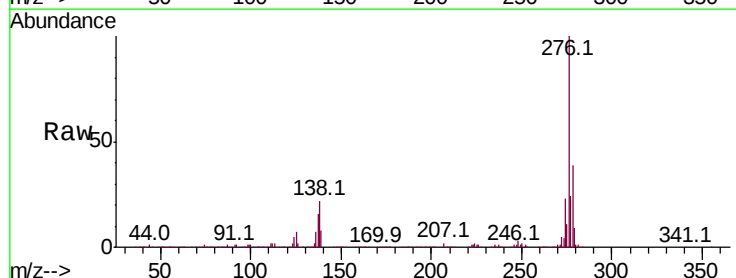
Tgt Ion:276 Resp: 1132166

Ion Ratio Lower Upper

276 100

138 24.6 27.8 41.6#

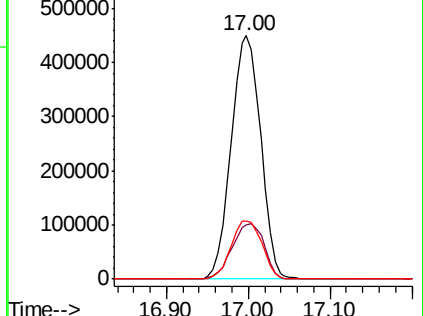
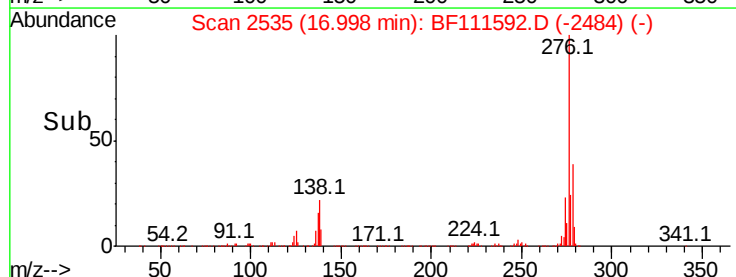
277 25.2 20.1 30.1

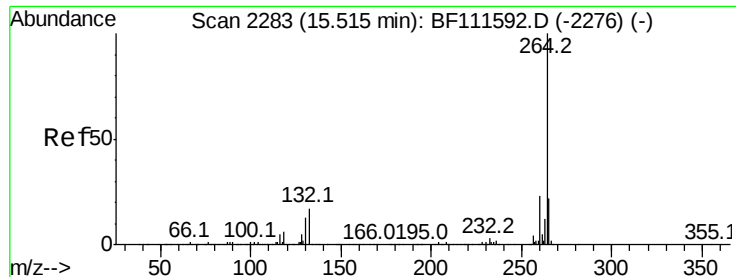


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

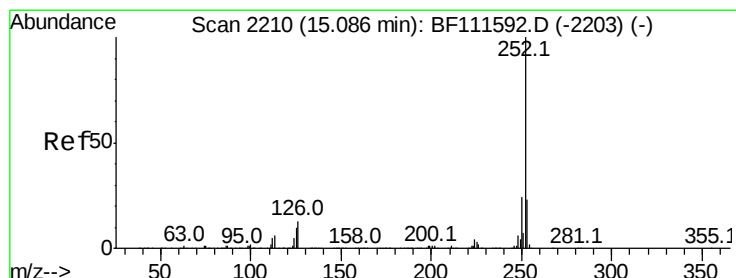
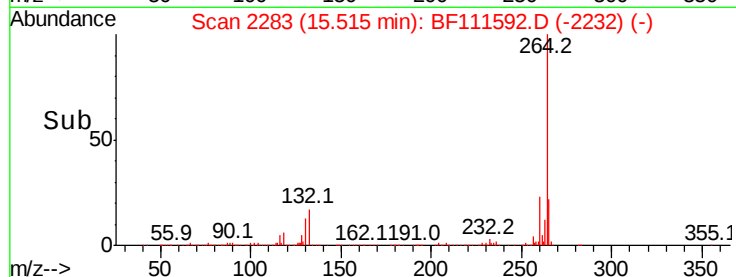
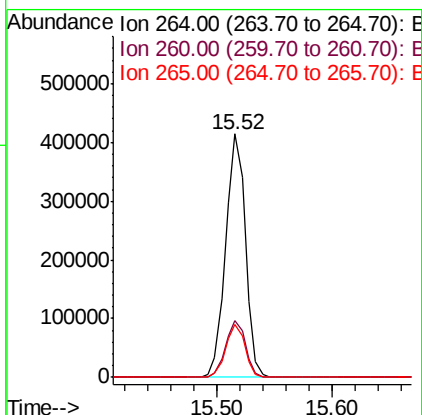
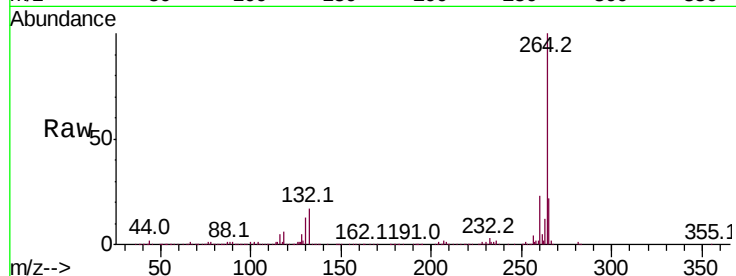




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

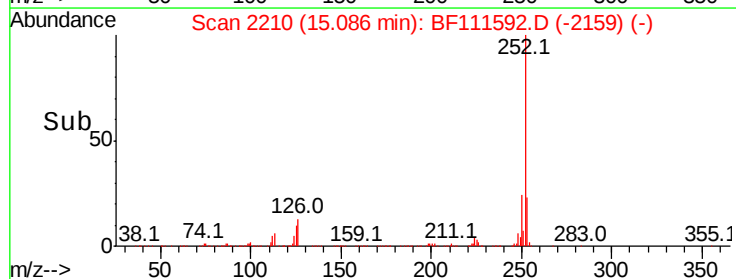
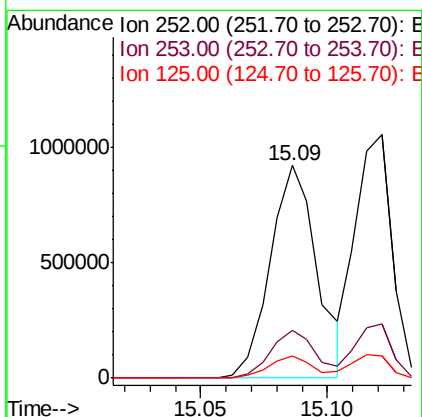
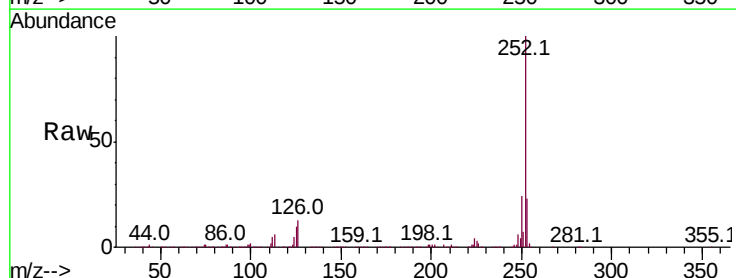
Instrument :
BNA_F
ClientSampleId :

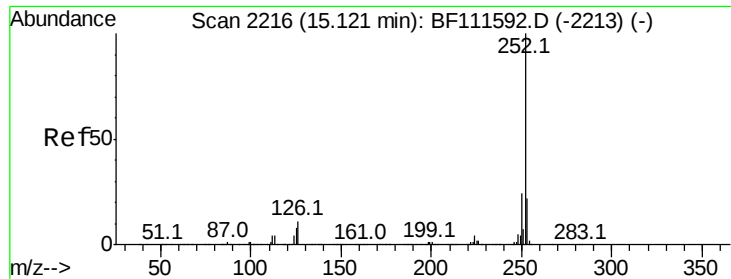
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	21.7	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 41.490 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.2	10.4	15.6#

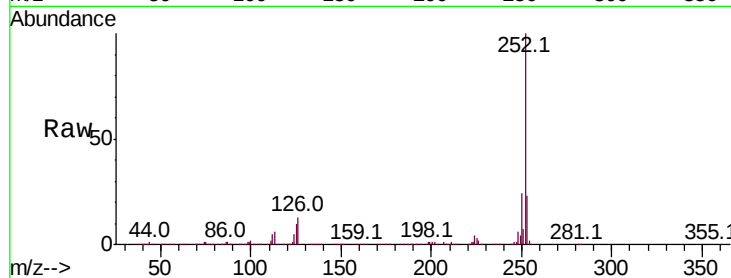




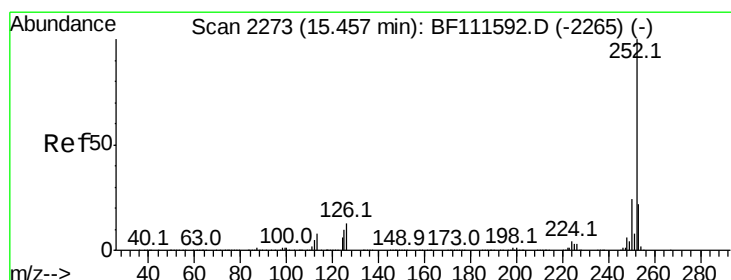
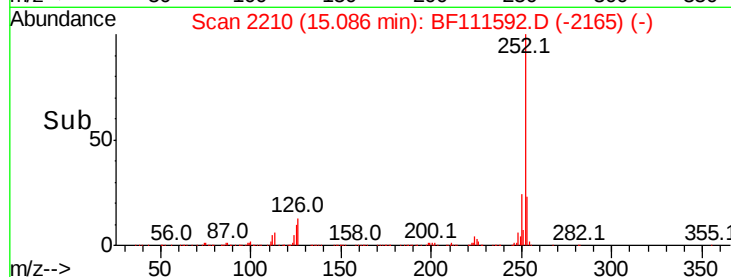
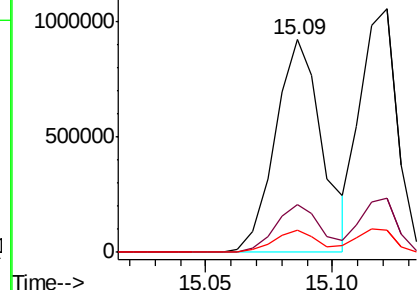
#89
Benzo(k)fluoranthene
Concen: 43.422 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1188491
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.2 9.8 14.8

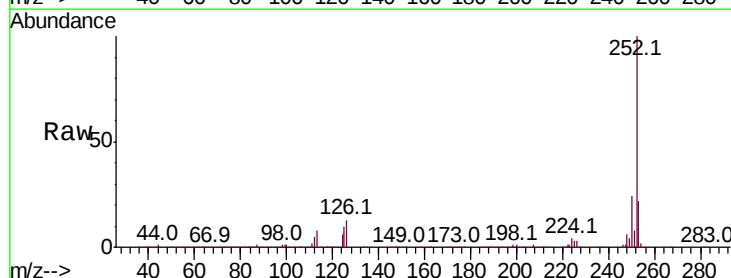


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

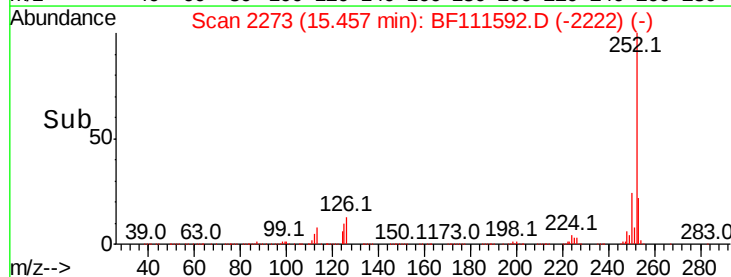
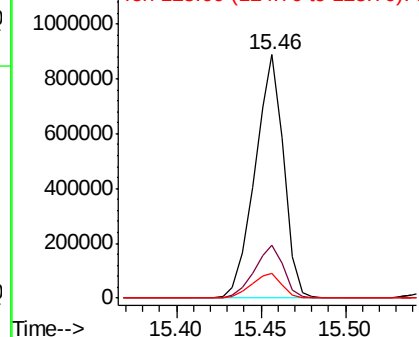


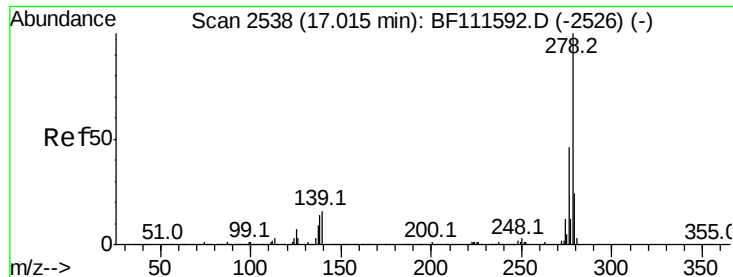
#90
Benzo(a)pyrene
Concen: 40.559 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF111592.D
Acq: 19 Dec 2018 15:33

Tgt Ion:252 Resp: 1047672
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 10.3 12.3 18.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 46.392 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

Instrument :

BNA_F

ClientSampleId :

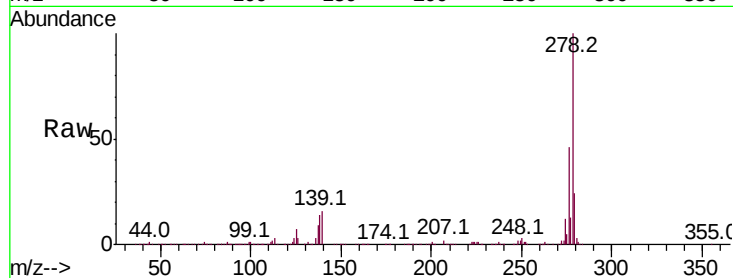
Tot Ion:278 Resp: 945307

Ion Ratio Lower Upper

278 100

139 16.3 18.2 27.4#

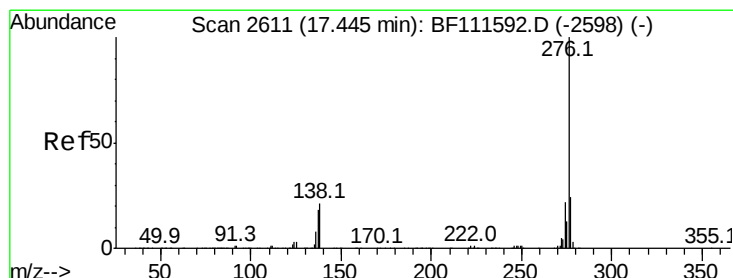
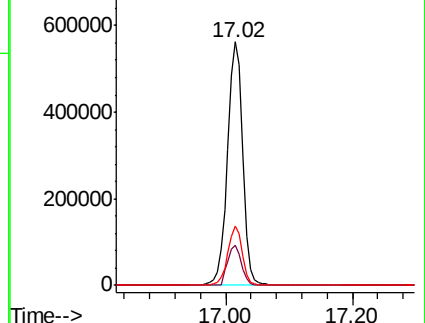
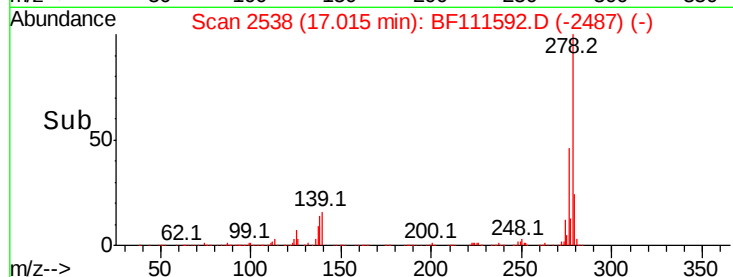
279 24.2 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 46.617 ng

RT: 17.44 min Scan# 2611

Delta R.T. 0.00 min

Lab File: BF111592.D

Acq: 19 Dec 2018 15:33

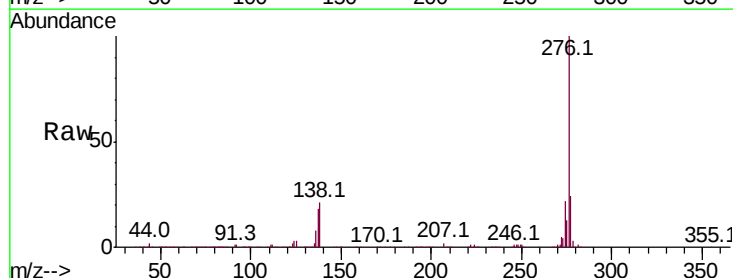
Tgt Ion:276 Resp: 932400

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 20.7 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

