

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111147.D
 Acq On : 6 Dec 2018 19:27
 Operator : JU/SJ
 Sample : J6206-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 21:53:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	503077	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2009162	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	966825	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1684018	20.00	ng	0.00
76) Chrysene-d12	13.96	240	850603	20.00	ng	0.01
87) Perylene-d12	15.40	264	940258	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	3952362	122.60	ng	0.02
7) Phenol-d6	6.45	99	5138311	123.73	ng	0.01
23) Nitrobenzene-d5	7.37	82	3337991	98.36	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	1097478	142.80	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	5115221	100.57	ng	0.00
79) Terphenyl-d14	12.92	244	4132449	99.50	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	549198	29.616	ng	98
3) Pyridine	3.33	79	1459282	35.482	ng	96
4) n-Nitrosodimethylamine	3.26	42	931975	46.024	ng	98
6) Aniline	6.47	93	780917	14.074	ng	98
8) 2-Chlorophenol	6.59	128	1566633	42.160	ng	93
9) Benzaldehyde	6.35	77	816858	35.455	ng	100
10) Phenol	6.46	94	2136826	47.189	ng	97
11) bis(2-Chloroethyl)ether	6.55	93	1504034	40.639	ng	99
12) 1,3-Dichlorobenzene	6.75	146	1603914	40.585	ng	96
13) 1,4-Dichlorobenzene	6.83	146	1631331	41.019	ng	96
14) 1,2-Dichlorobenzene	6.98	146	1520384	41.097	ng	98
15) Benzyl Alcohol	6.95	79	1425754	43.329	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2954665	41.041	ng	100
17) 2-Methylphenol	7.06	107	1338078	43.867	ng	99
18) Hexachloroethane	7.32	117	628050	42.097	ng	97
19) n-Nitroso-di-n-propylamine	7.23	70	1142093	40.922	ng	95
20) 3+4-Methylphenols	7.22	107	1559827	41.927	ng	93
22) Acetophenone	7.22	105	2090564	43.057	ng	# 89
24) Nitrobenzene	7.39	77	1661776	45.516	ng	98
25) Isophorone	7.63	82	3050832	48.985	ng	100
26) 2-Nitrophenol	7.70	139	821828	53.274	ng	95
27) 2,4-Dimethylphenol	7.75	122	1450580	49.929	ng	100
28) bis(2-Chloroethoxy)methane	7.84	93	1927095	45.706	ng	99
29) 2,4-Dichlorophenol	7.95	162	1291211	45.144	ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	1258624	43.597	ng	98
31) Naphthalene	8.11	128	4217884	48.217	ng	100
32) Benzoic acid	7.86	122	845475	44.131	ng	99
33) 4-Chloroaniline	8.15	127	202123	4.780	ng	96
34) Hexachlorobutadiene	8.23	225	683356	43.557	ng	98
35) Caprolactam	8.53	113	284945	27.134	ng	98
36) 4-Chloro-3-methylphenol	8.64	107	1437774	45.893	ng	98
37) 2-Methylnaphthalene	8.80	142	2912833	48.273	ng	99
38) 1-Methylnaphthalene	8.90	142	2793517	48.154	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	1046742	40.622	ng	99

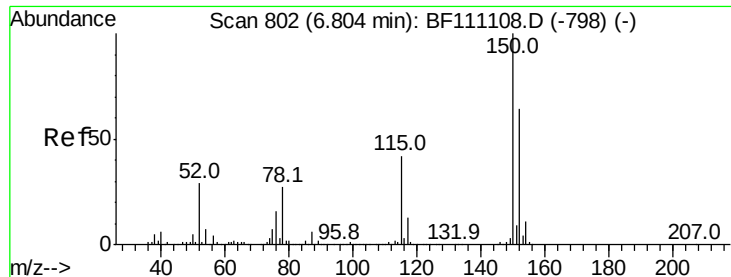
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111147.D
 Acq On : 6 Dec 2018 19:27
 Operator : JU/SJ
 Sample : J6206-05MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 21:53:44 2018
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1242307	91.433	ng	99
43) 2,4,6-Trichlorophenol	9.08	196	881930	46.862	ng	99
44) 2,4,5-Trichlorophenol	9.12	196	903030	47.334	ng	96
46) 1,1'-Biphenyl	9.27	154	3241710	40.958	ng	99
47) 2-Chloronaphthalene	9.29	162	2642520	42.967	ng	98
48) 2-Nitroaniline	9.38	65	941583	47.242	ng	99
49) Acenaphthylene	9.70	152	4071726	47.364	ng	99
50) Dimethylphthalate	9.57	163	3477636	51.683	ng	99
51) 2,6-Dinitrotoluene	9.63	165	728099	51.038	ng	98
52) Acenaphthene	9.88	154	2698855	47.520	ng	99
53) 3-Nitroaniline	9.79	138	224379	12.521	ng	93
54) 2,4-Dinitrophenol	9.90	184	493254	106.719	ng	# 66
55) Dibenzofuran	10.05	168	3601361	46.038	ng	99
56) 4-Nitrophenol	9.95	139	1241294	91.923	ng	98
57) 2,4-Dinitrotoluene	10.03	165	989389	53.699	ng	94
58) Fluorene	10.39	166	2715551	49.228	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.12	232	714122	50.153	ng	97
60) Diethylphthalate	10.27	149	3106713	46.201	ng	98
61) 4-Chlorophenyl-phenylether	10.39	204	1237612	45.525	ng	98
62) 4-Nitroaniline	10.41	138	738106	45.638	ng	93
63) Azobenzene	10.55	77	3147586	43.966	ng	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	369369	53.091	ng	95
66) n-Nitrosodiphenylamine	10.50	169	2550810	43.259	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	784908	44.031	ng	96
68) Hexachlorobenzene	10.95	284	810384	44.459	ng	97
69) Atrazine	11.03	200	785283	Below Cal		98
70) Pentachlorophenol	11.13	266	895143	74.677	ng	99
71) Phenanthrene	11.35	178	3789114	46.777	ng	99
72) Anthracene	11.40	178	3805700	46.609	ng	98
73) Carbazole	11.55	167	3507487	41.283	ng	99
74) Di-n-butylphthalate	11.89	149	4429543	44.538	ng	98
75) Fluoranthene	12.54	202	3502903	44.192	ng	97
77) Benzidine	12.65	184	556195	16.638	ng	99
78) Pyrene	12.76	202	3413630	51.512	ng	100
80) Butylbenzylphthalate	13.39	149	1667413	52.085	ng	99
81) Benzo(a)anthracene	13.95	228	2359343	47.341	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	372221	19.791	ng	99
83) Chrysene	13.99	228	2321920	46.931	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	2028359	52.455	ng	# 97
85) Di-n-octyl phthalate	14.56	149	3245303	53.387	ng	98
86) Indeno(1,2,3-cd)pyrene	16.82	276	2704010	68.071	ng	# 87
88) Benzo(b)fluoranthene	14.99	252	2438766	45.773	ng	98
89) Benzo(k)fluoranthene	15.02	252	2234450	43.382	ng	99
90) Benzo(a)pyrene	15.34	252	2356807	48.226	ng	98
91) Dibenzo(a,h)anthracene	16.83	278	2243296	54.700	ng	98
92) Benzo(g,h,i)perylene	17.24	276	2238885	54.326	ng	99

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

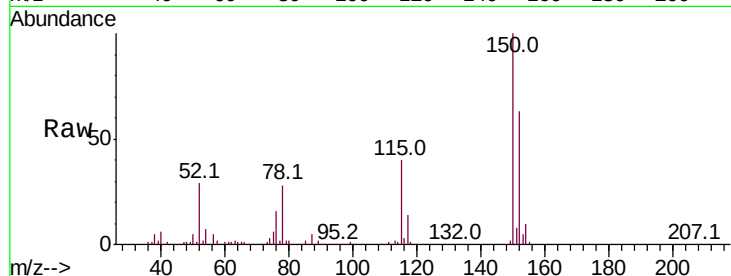


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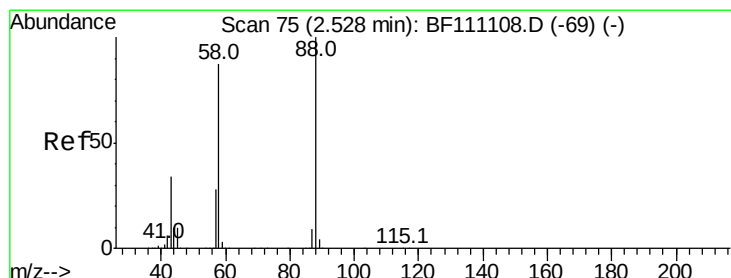
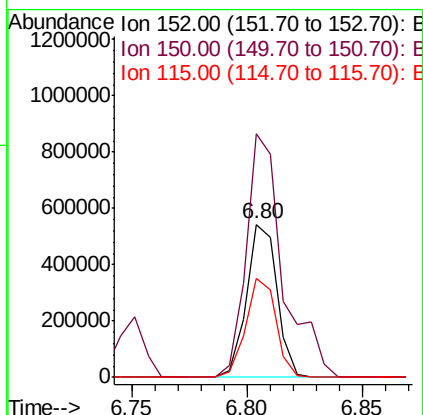
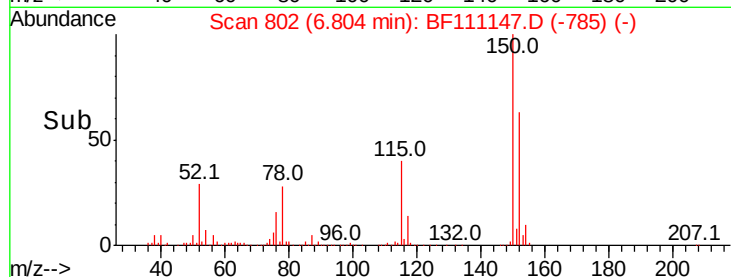
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 503077
Ion Ratio Lower Upper
152 100
150 159.0 124.6 187.0
115 64.4 52.2 78.2



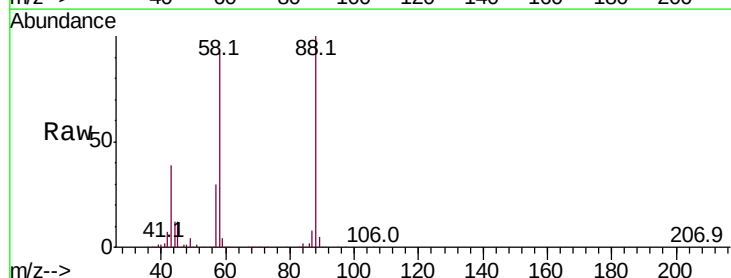
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



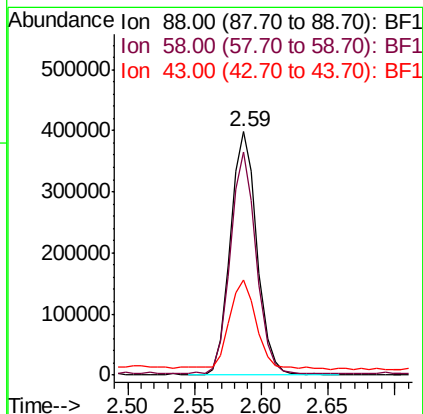
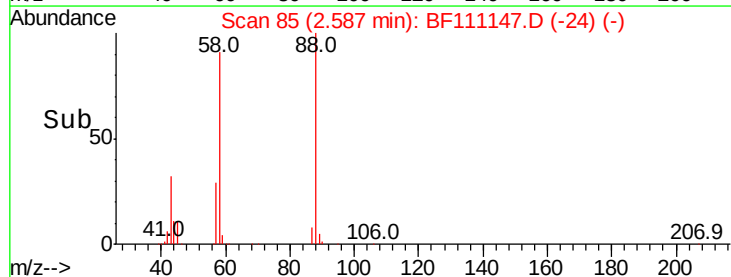
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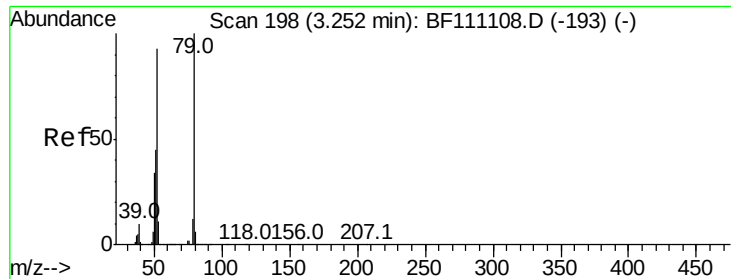
1,4-Dioxane
Concen: 29.616 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.06 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 88 Resp: 549198
Ion Ratio Lower Upper
88 100
58 89.0 70.8 106.2
43 38.6 28.3 42.5



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



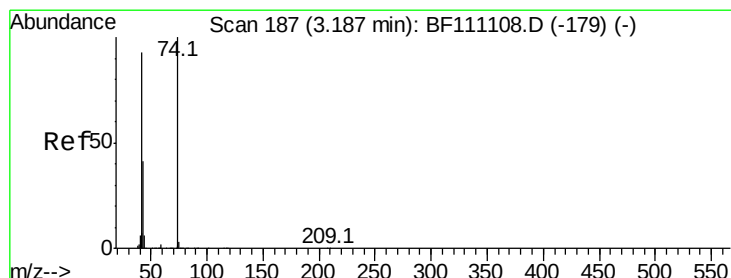
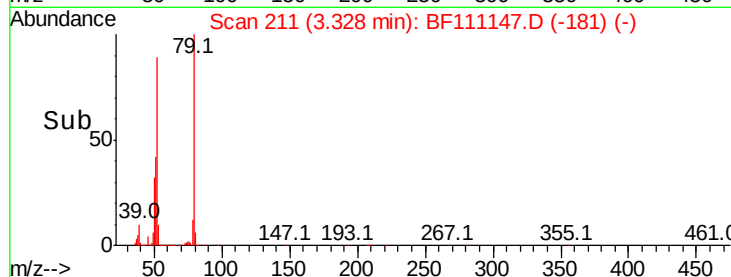
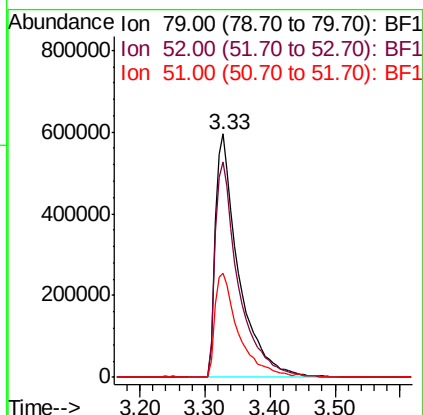
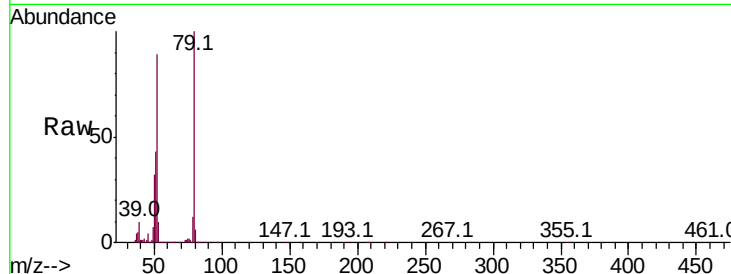


#3
Pvridine
Concen: 35.482 ng
RT: 3.33 min Scan# 211
Delta R.T. 0.08 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 1459282

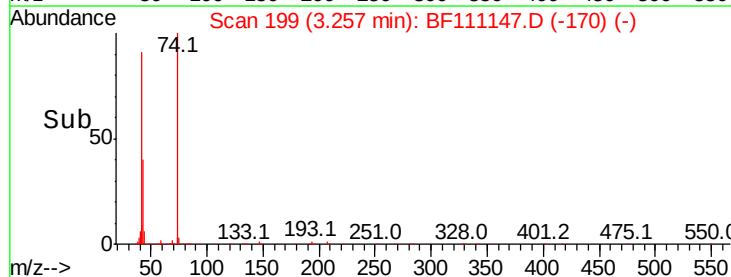
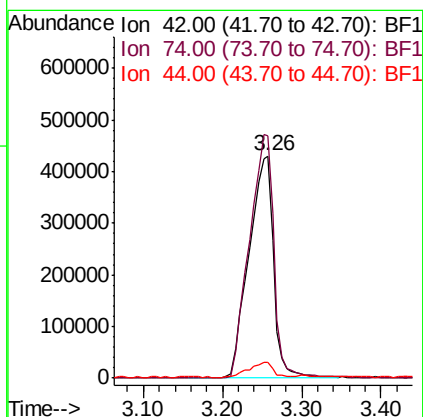
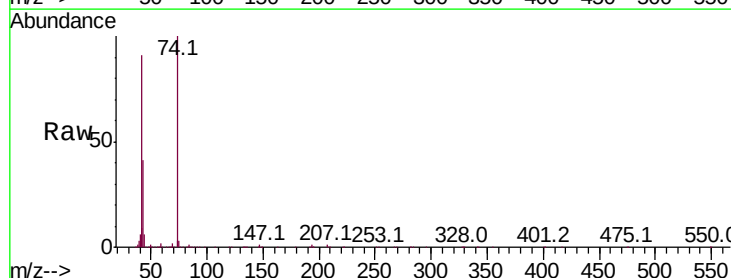
Ion	Ratio	Lower	Upper
79	100		
52	88.7	74.7	112.1
51	42.5	35.9	53.9

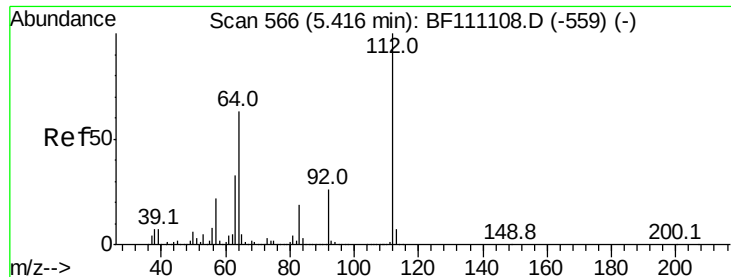


#4
n-Nitrosodimethylamine
Concen: 46.024 ng
RT: 3.26 min Scan# 199
Delta R.T. 0.07 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 42 Resp: 931975

Ion	Ratio	Lower	Upper
42	100		
74	109.4	86.2	129.2
44	7.0	5.7	8.5





#5

2-Fluorophenol

Concen: 122.595 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

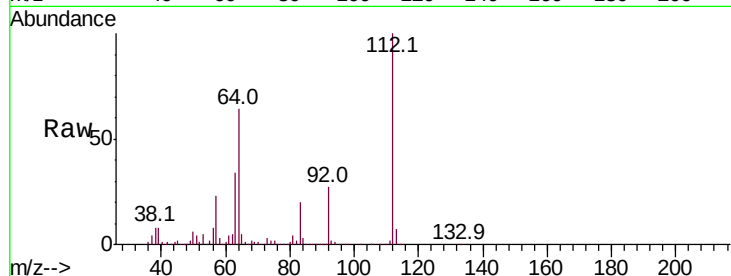
Tot Ion:112 Resp: 3952362

Ion Ratio Lower Upper

112 100

64 63.6 50.2 75.4

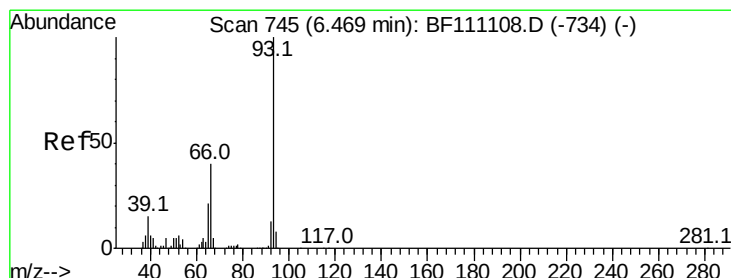
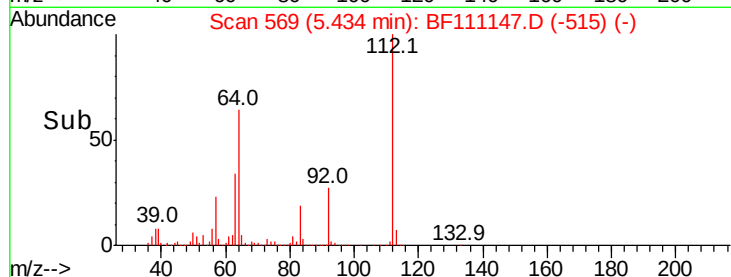
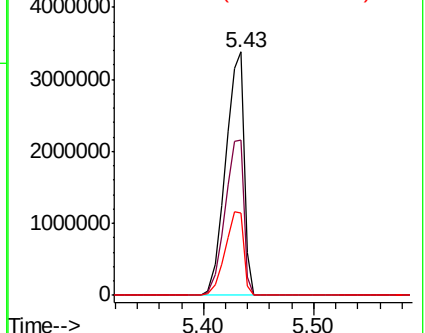
63 34.0 26.6 39.8



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: 14.074 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

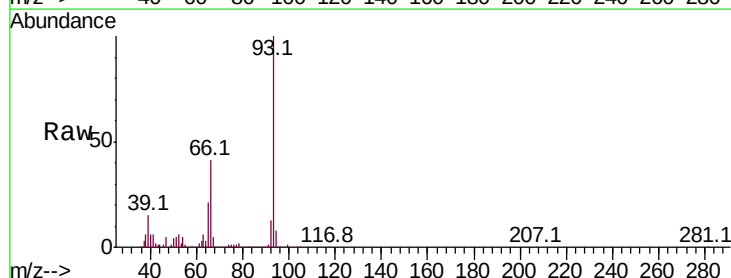
Tgt Ion: 93 Resp: 780917

Ion Ratio Lower Upper

93 100

66 41.2 31.8 47.8

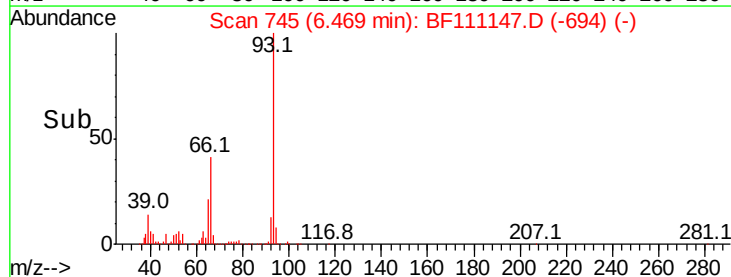
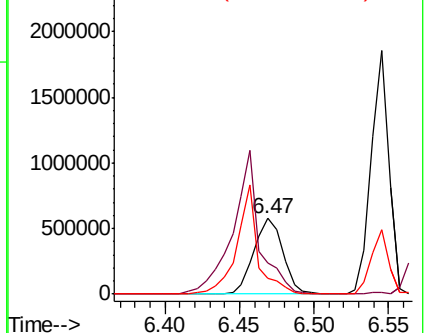
65 21.4 16.6 24.8

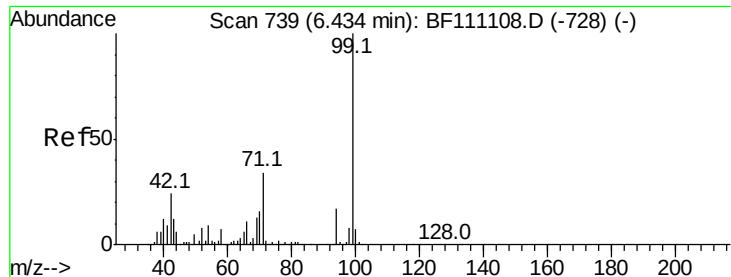


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 123.727 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

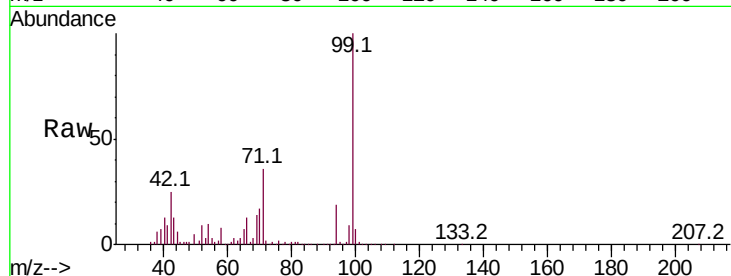
Tot Ion: 99 Resp: 5138311

Ion Ratio Lower Upper

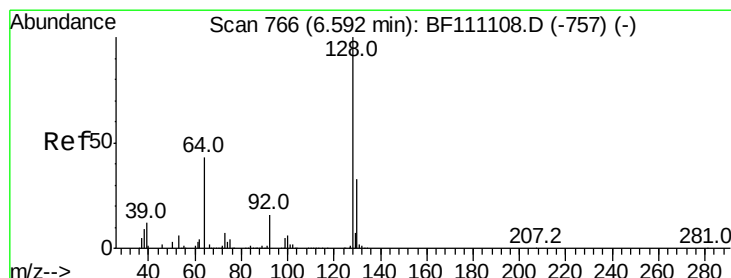
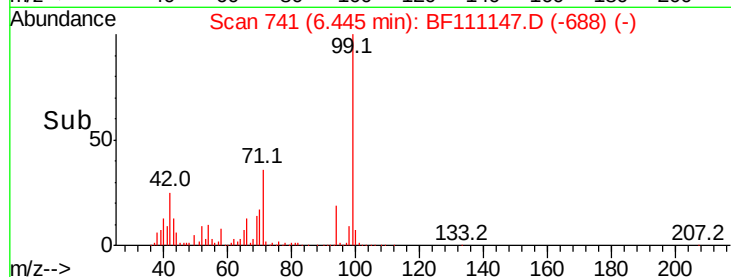
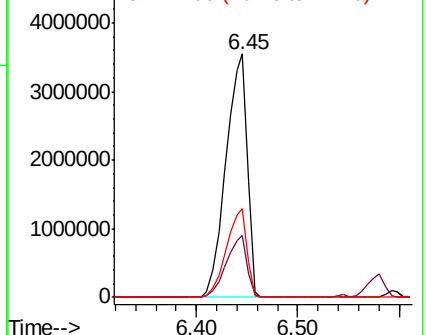
99 100

42 25.2 19.3 28.9

71 36.5 27.4 41.2



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: 42.160 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

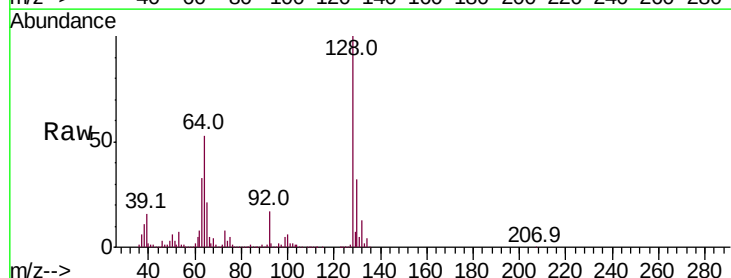
Tgt Ion:128 Resp: 1566633

Ion Ratio Lower Upper

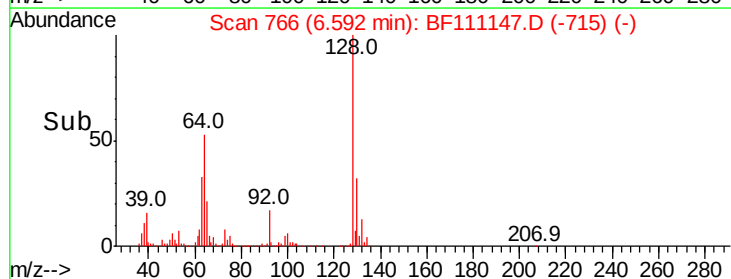
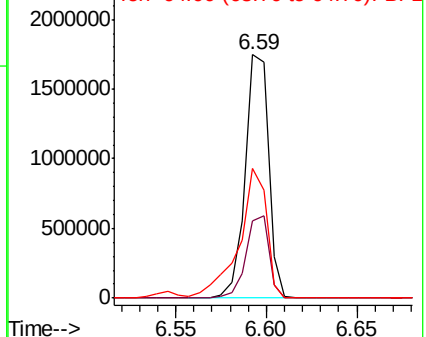
128 100

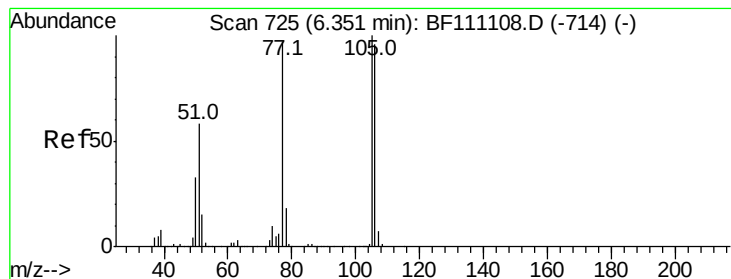
130 31.9 12.8 52.8

64 53.4 26.6 66.6



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: 35.455 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampled :

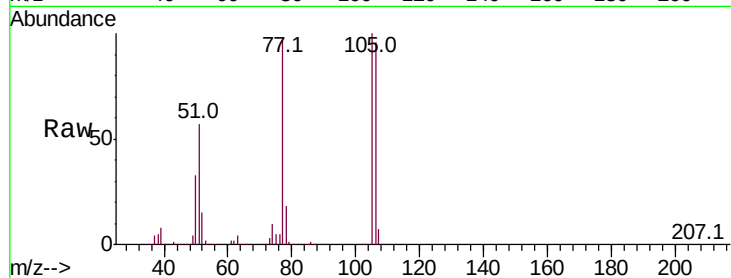
Tot Ion: 77 Resp: 816858

Ion Ratio Lower Upper

77 100

105 103.3 83.1 123.1

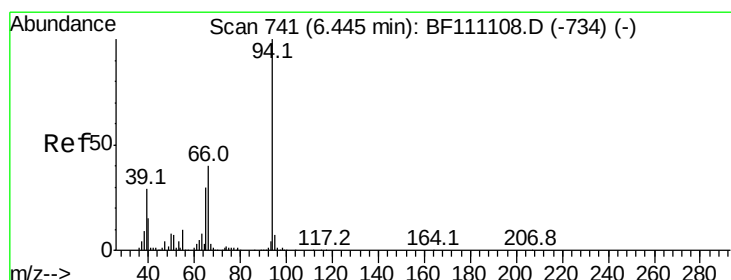
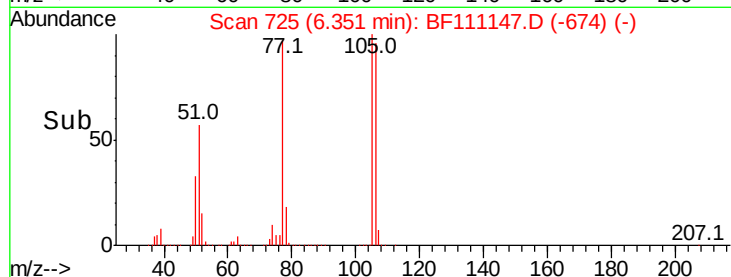
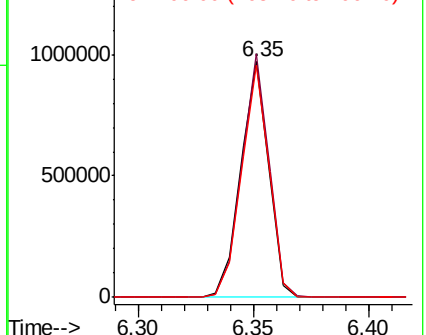
106 98.8 79.0 119.0



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: 47.189 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

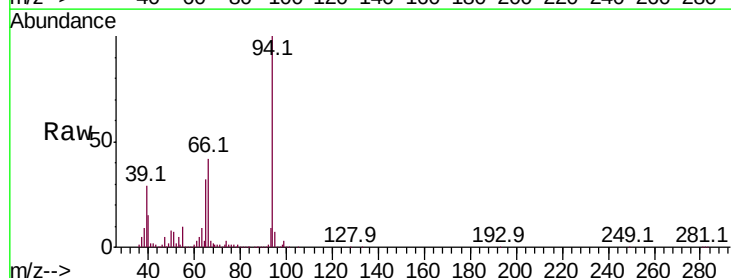
Tgt Ion: 94 Resp: 2136826

Ion Ratio Lower Upper

94 100

65 31.9 10.5 50.5

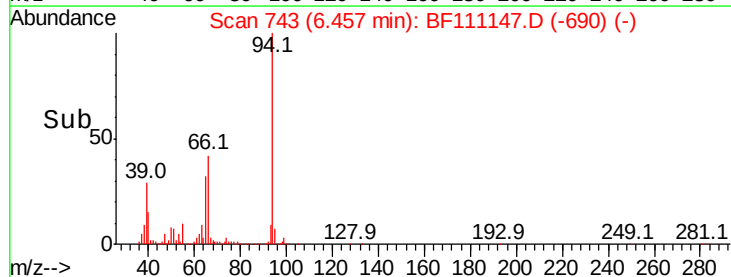
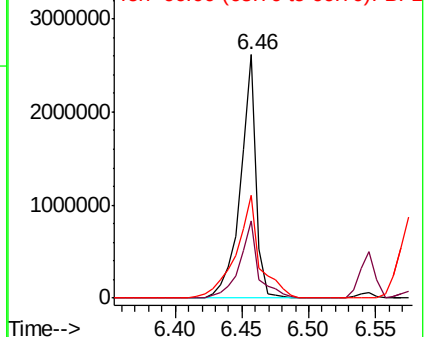
66 42.1 19.8 59.8

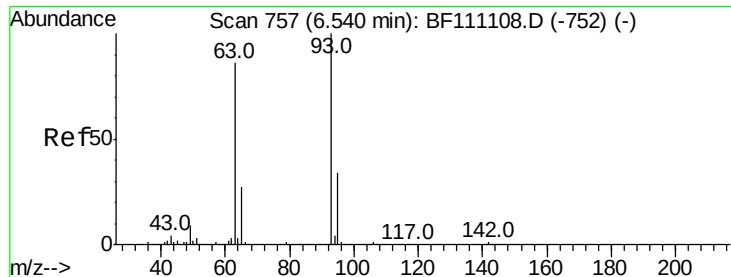


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 40.639 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampled :

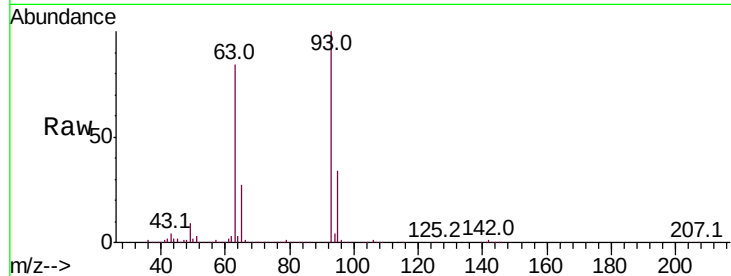
Tot Ion: 93 Resp: 1504034

Ion Ratio Lower Upper

93 100

63 84.4 66.0 106.0

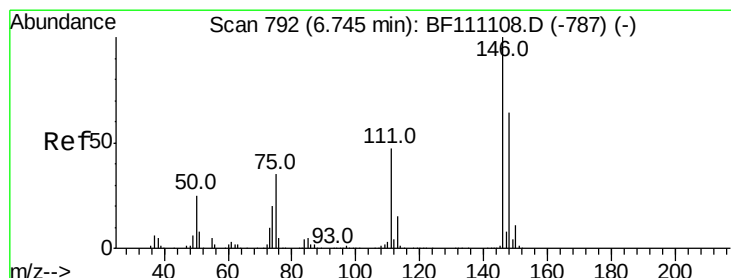
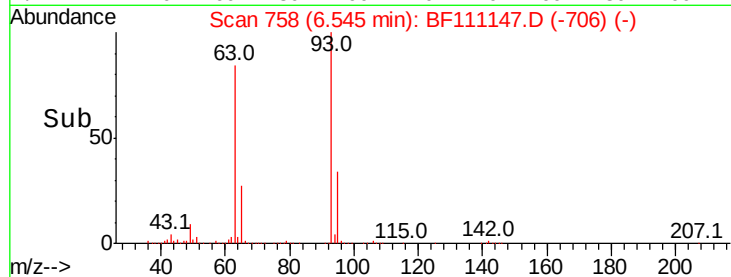
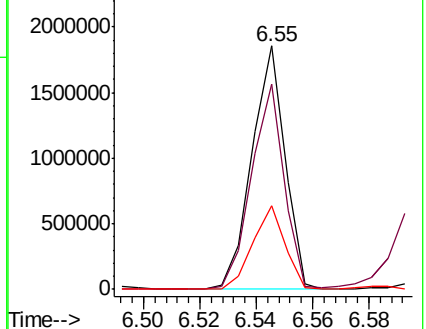
95 34.1 14.3 54.3



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: 40.585 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

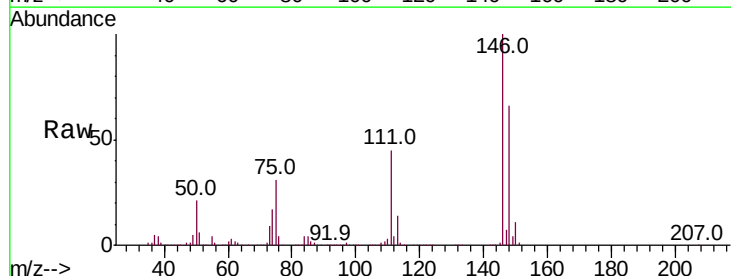
Tgt Ion: 146 Resp: 1603914

Ion Ratio Lower Upper

146 100

148 65.7 51.3 76.9

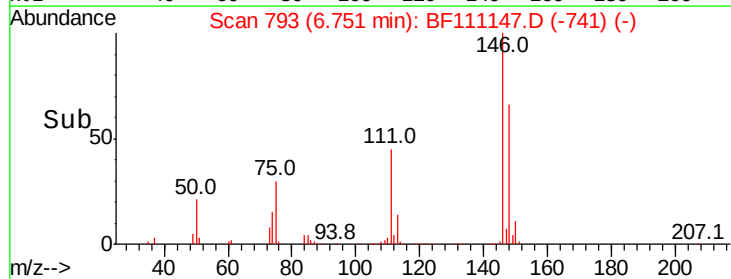
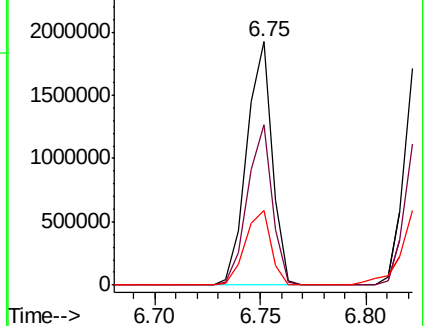
75 30.6 27.7 41.5

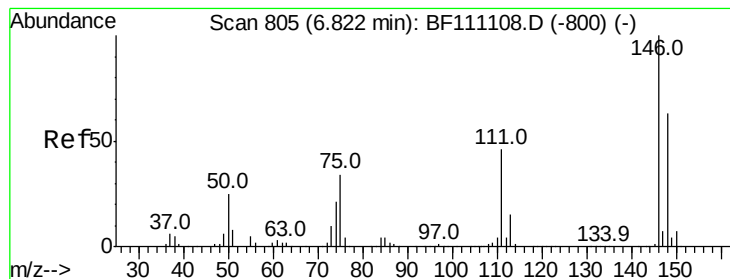


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 41.019 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampled :

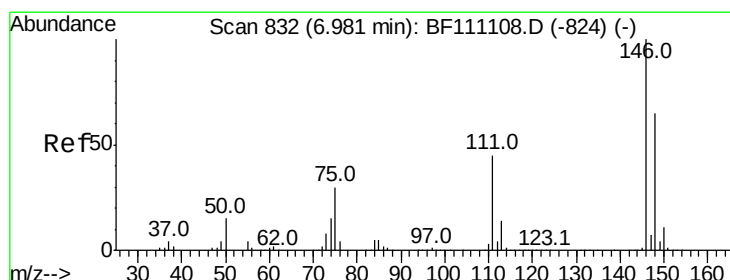
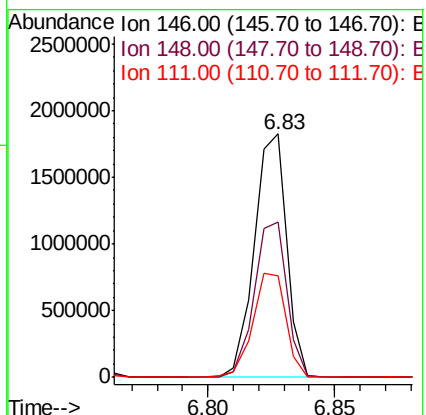
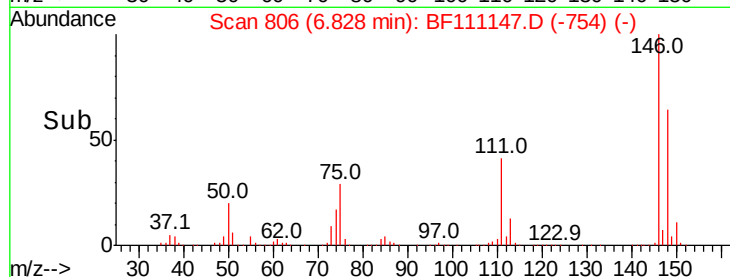
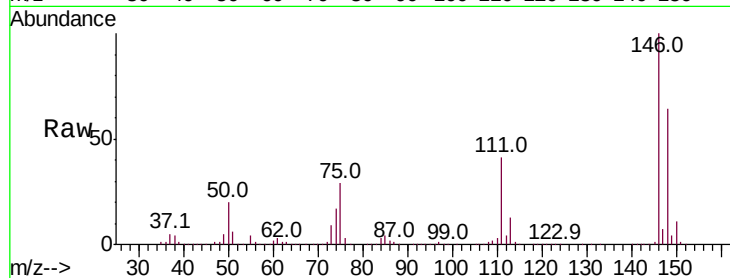
Tot Ion:146 Resp: 1631331

Ion Ratio Lower Upper

146 100

148 63.9 50.3 75.5

111 41.5 36.6 55.0



#14

1,2-Dichlorobenzene

Concen: 41.097 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

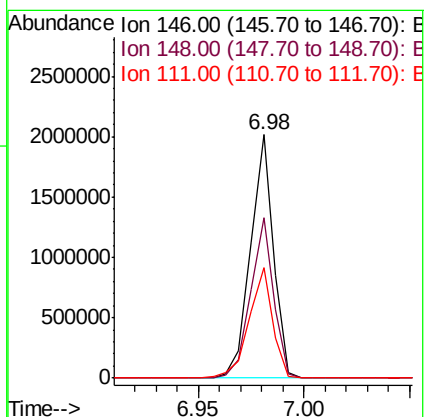
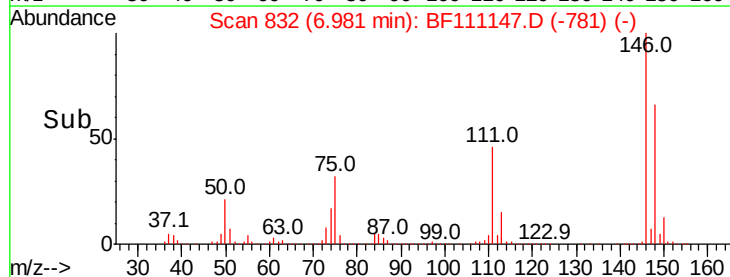
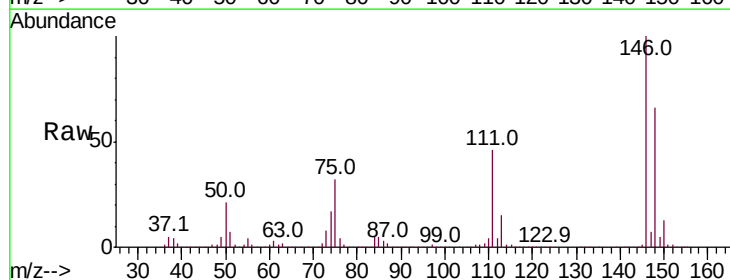
Tgt Ion:146 Resp: 1520384

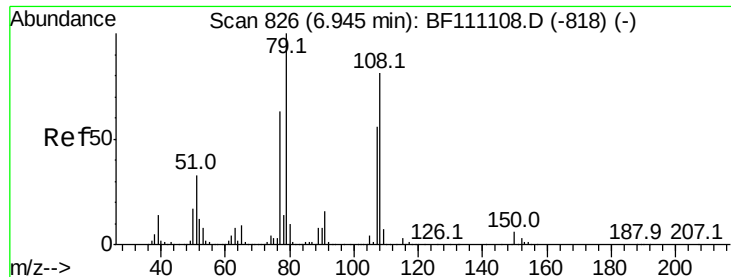
Ion Ratio Lower Upper

146 100

148 66.0 51.8 77.6

111 45.5 35.7 53.5





#15

Benzyl Alcohol

Concen: 43.329 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

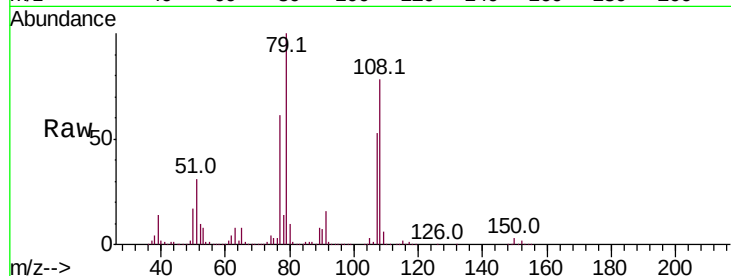
Tot Ion: 79 Resp: 1425754

Ion Ratio Lower Upper

79 100

108 77.8 64.5 96.7

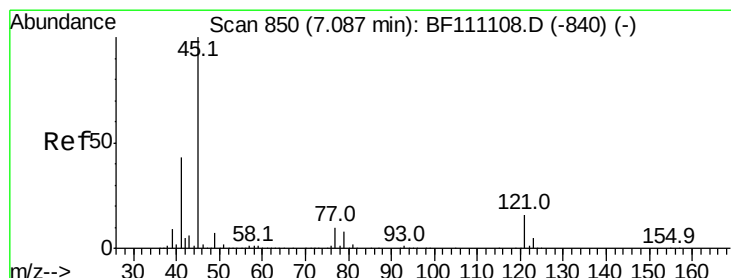
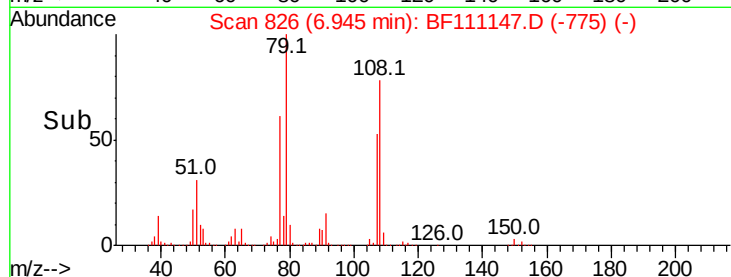
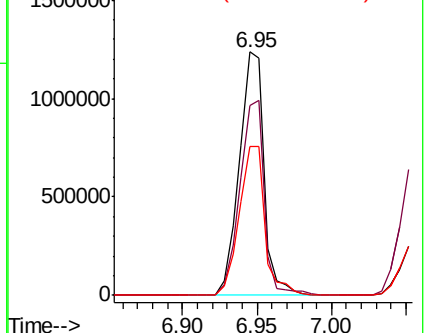
77 61.3 50.5 75.7



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: 41.041 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

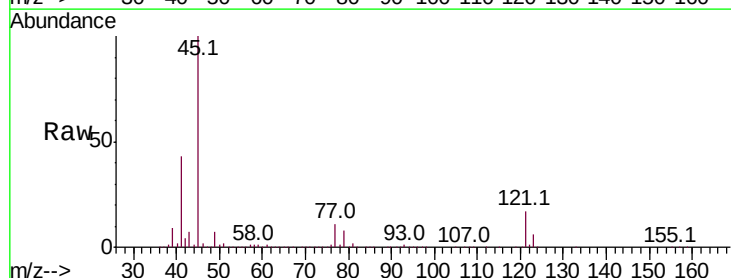
Tgt Ion: 45 Resp: 2954665

Ion Ratio Lower Upper

45 100

77 10.7 0.0 30.6

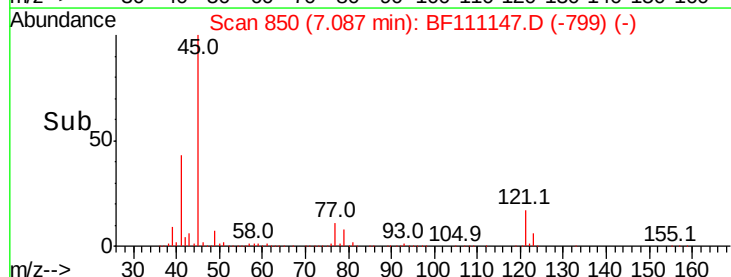
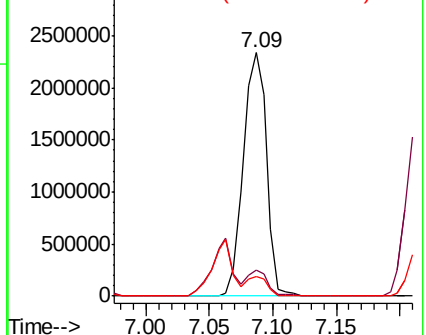
79 8.2 0.0 28.4

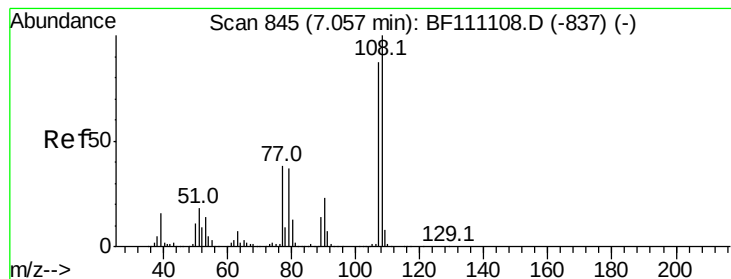


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

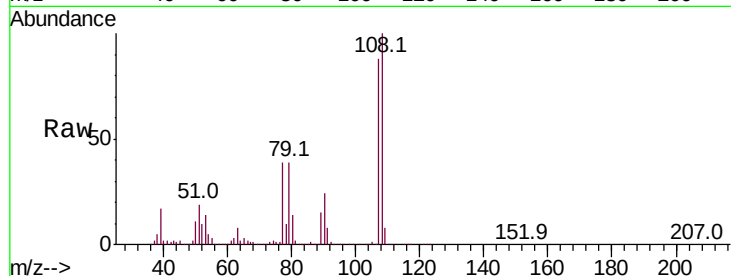




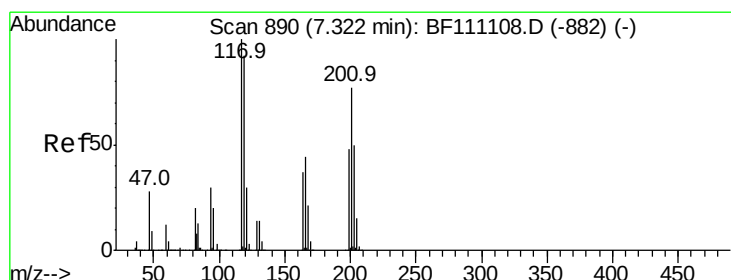
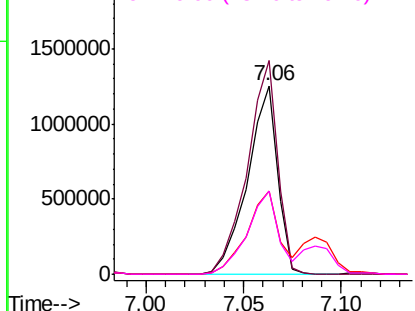
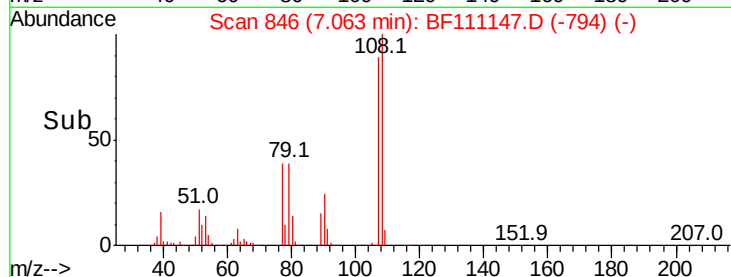
#17
2-Methylphenol
Concen: 43.867 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 1338078
Ion Ratio Lower Upper
107 100
108 113.2 91.8 137.8
77 44.2 34.7 52.1
79 43.8 34.2 51.2

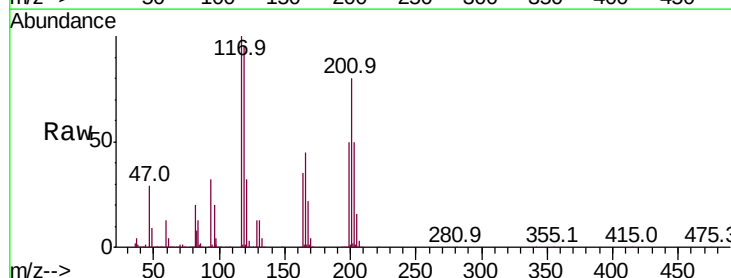


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

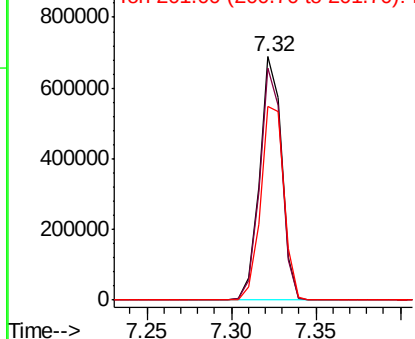
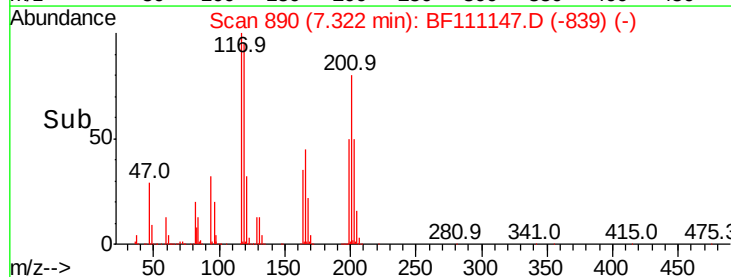


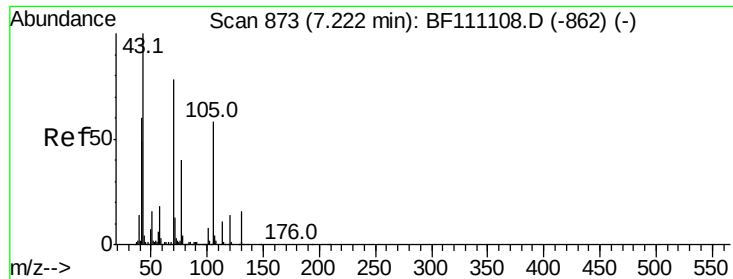
#18
Hexachloroethane
Concen: 42.097 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:117 Resp: 628050
Ion Ratio Lower Upper
117 100
119 95.3 73.8 110.6
201 79.7 61.2 91.8



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

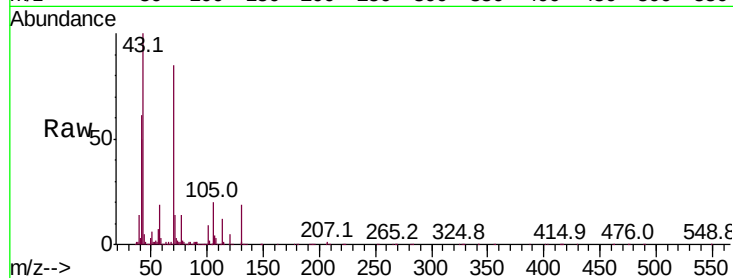




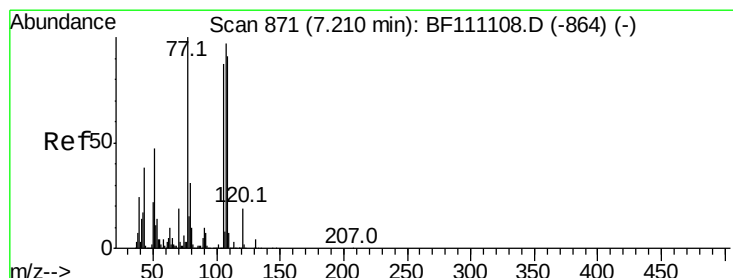
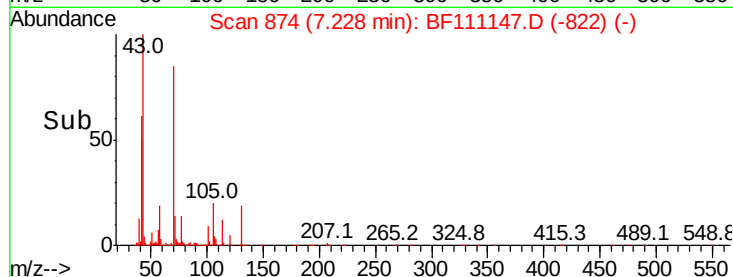
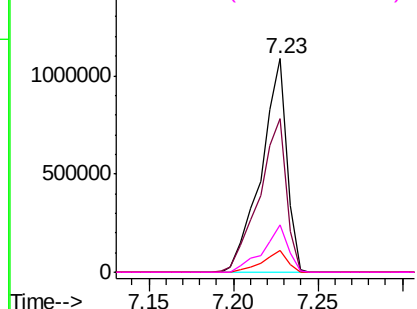
#19
n-Nitroso-di-n-propylamine
Concen: 40.922 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 1142093
Ion Ratio Lower Upper
70 100
42 72.0 61.3 91.9
101 10.1 7.7 11.5
130 22.1 16.3 24.5

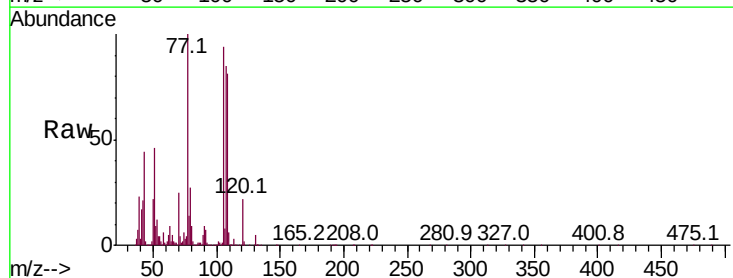


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

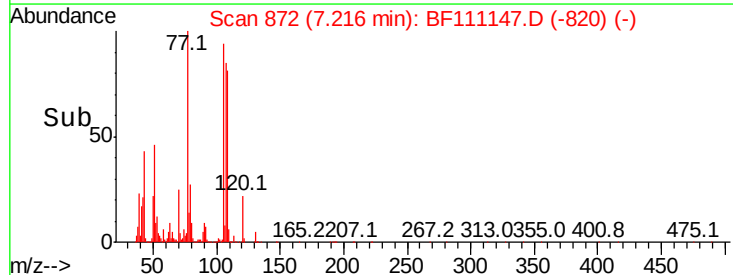
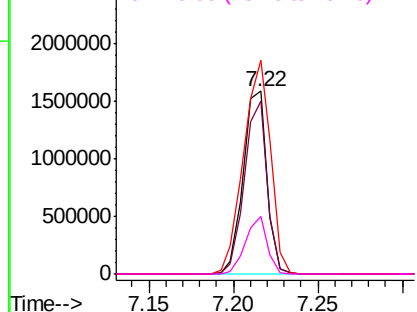


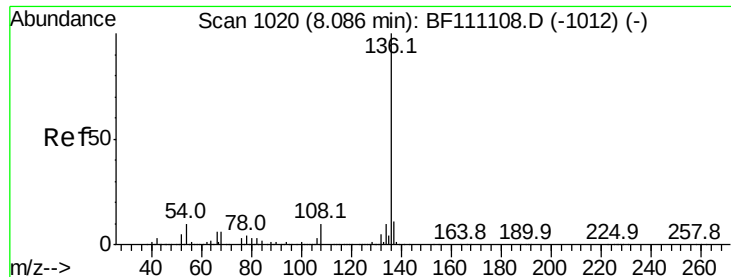
#20
3+4-Methylphenols
Concen: 41.927 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:107 Resp: 1559827
Ion Ratio Lower Upper
107 100
108 94.8 74.0 114.0
77 117.1 83.2 123.2
79 31.3 11.6 51.6



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 2009162

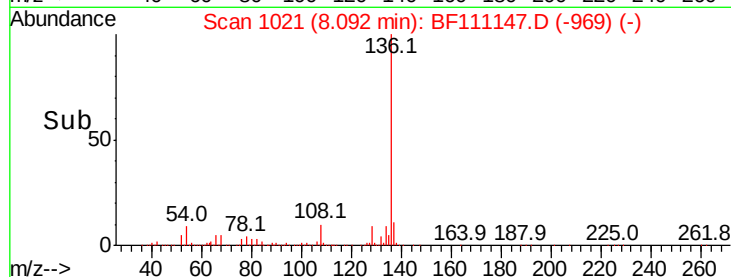
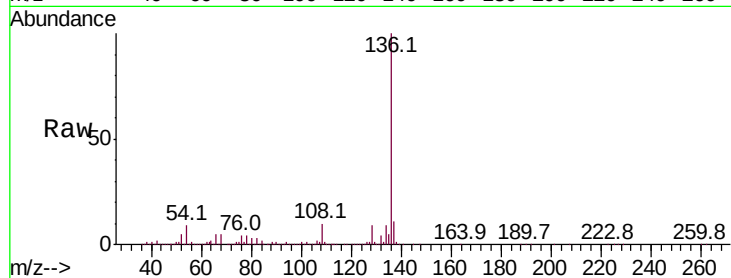
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 8.7 8.4 12.6

68 5.2 5.0 7.4

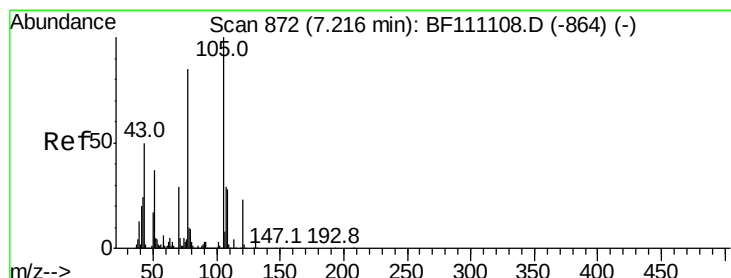
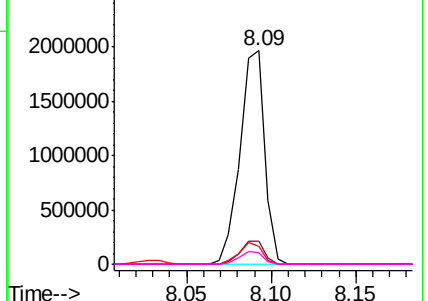


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.057 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:105 Resp: 2090564

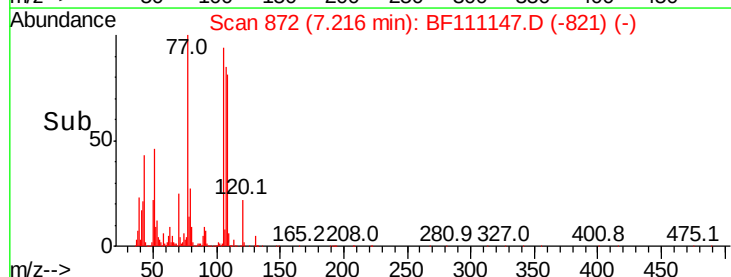
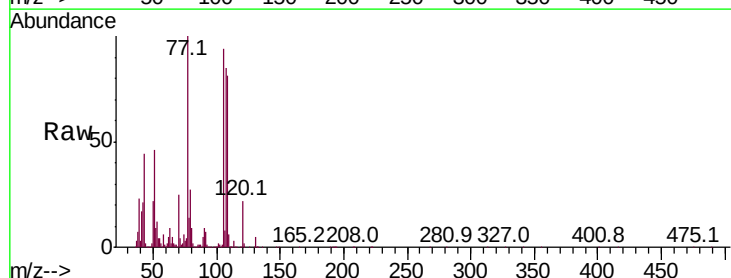
Ion Ratio Lower Upper

105 100

71 4.7 4.0 6.0

51 48.8 29.8 44.8#

120 22.9 18.7 28.1

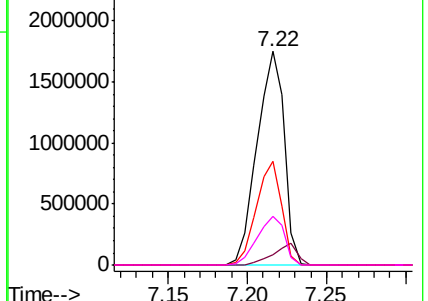


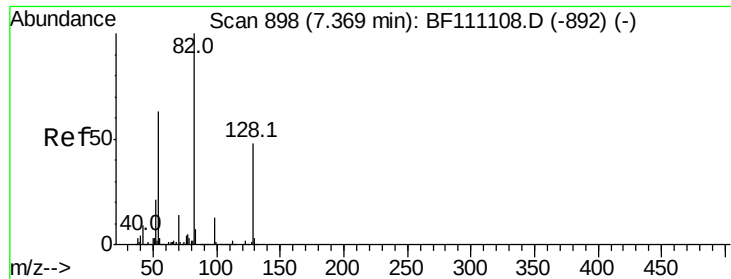
Abundance Ion 105.00 (104.70 to 105.70): E

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

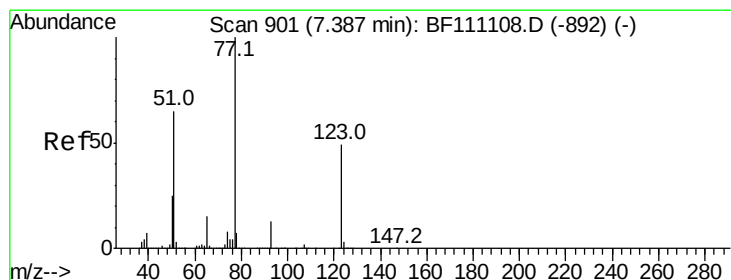
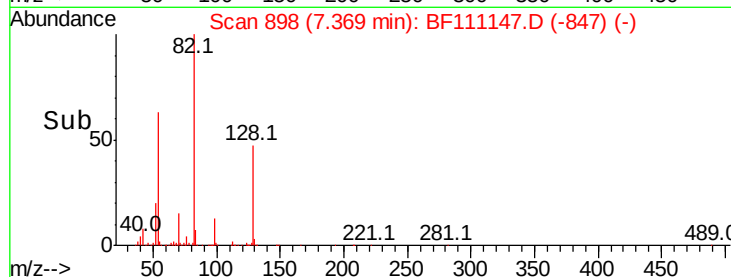
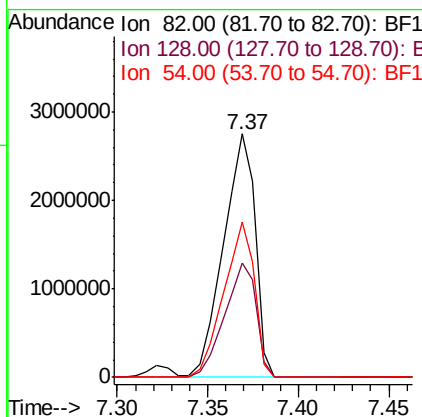
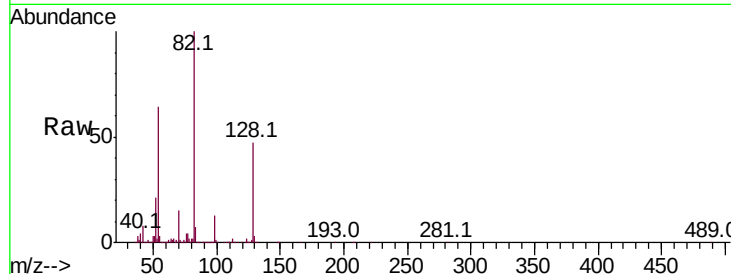




#23
 Nitrobenzene-d5
 Concen: 98.360 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

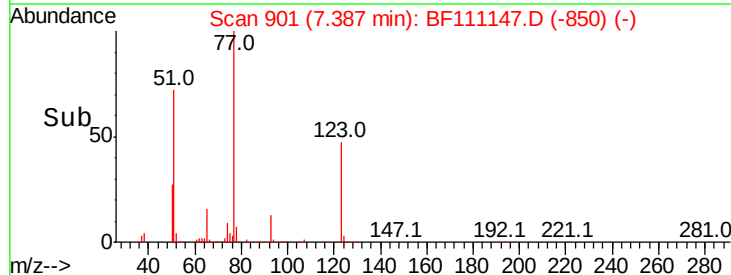
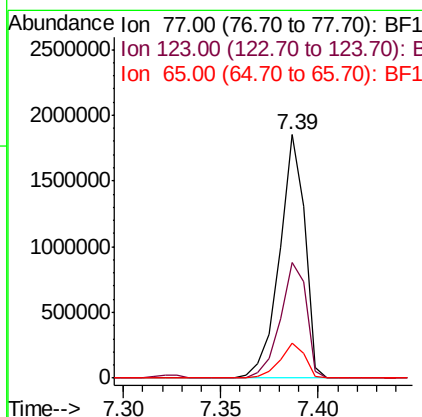
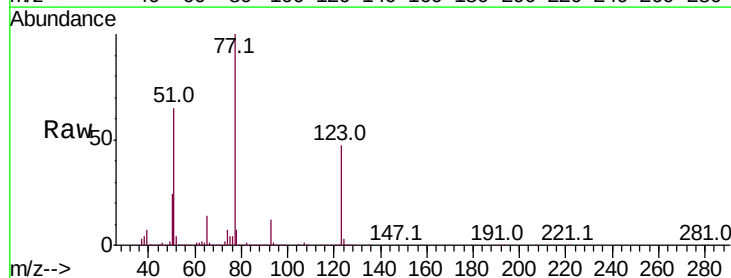
Instrument :
 BNA_F
 ClientSampleId :

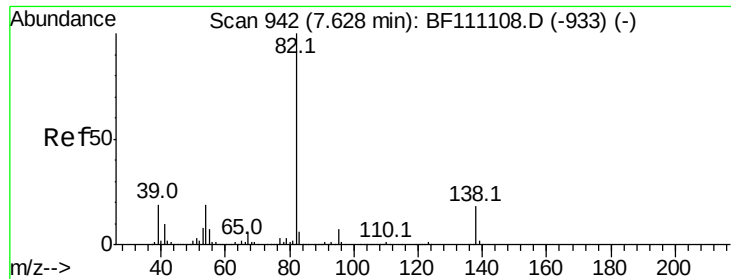
Tot Ion: 82 Resp: 3337991
 Ion Ratio Lower Upper
 82 100
 128 47.1 38.1 57.1
 54 63.8 50.3 75.5



#24
 Nitrobenzene
 Concen: 45.516 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion: 77 Resp: 1661776
 Ion Ratio Lower Upper
 77 100
 123 47.4 39.5 59.3
 65 14.3 11.8 17.6





#25

Isophorone

Concen: 48.985 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

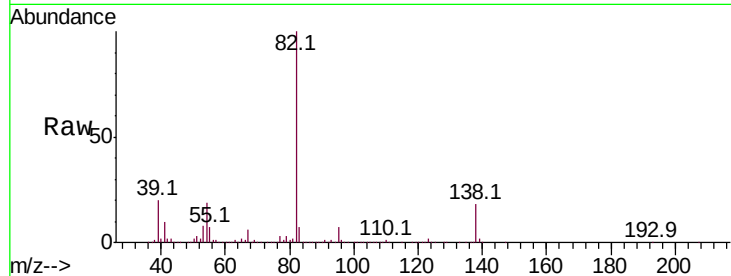
Tot Ion: 82 Resp: 3050832

Ion Ratio Lower Upper

82 100

95 7.4 5.6 8.4

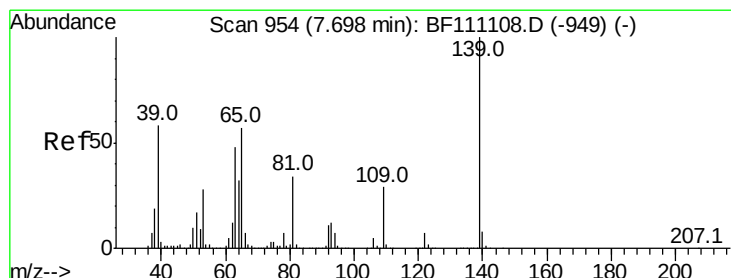
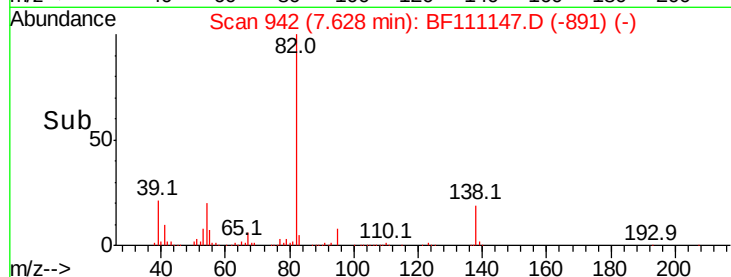
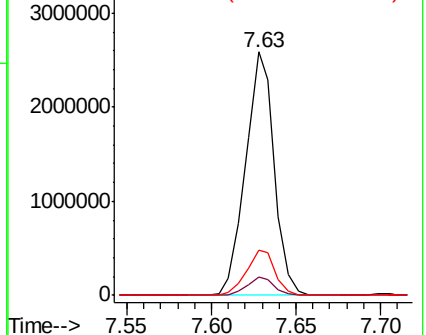
138 18.4 14.6 22.0



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: 53.274 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

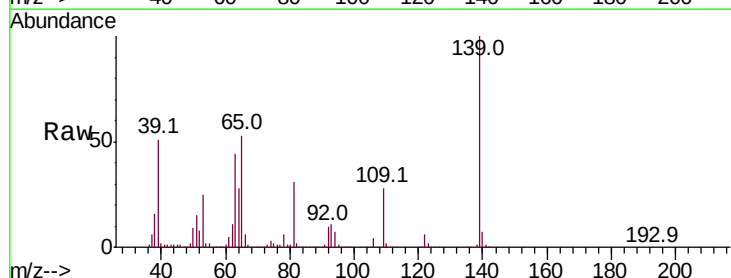
Tgt Ion: 139 Resp: 821828

Ion Ratio Lower Upper

139 100

109 27.5 23.1 34.7

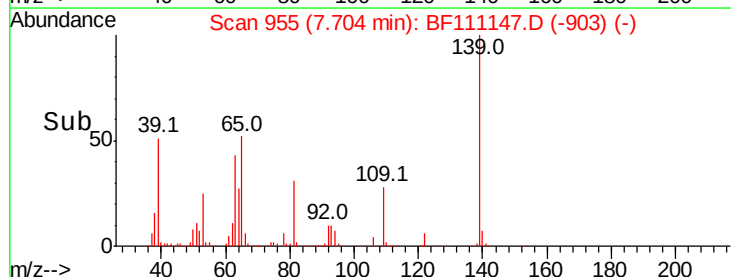
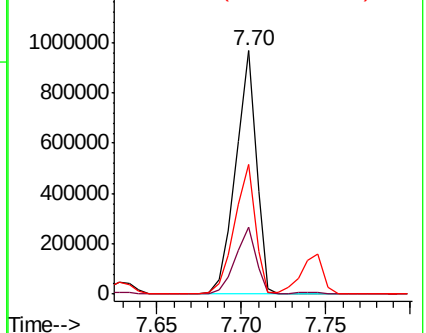
65 53.0 45.9 68.9

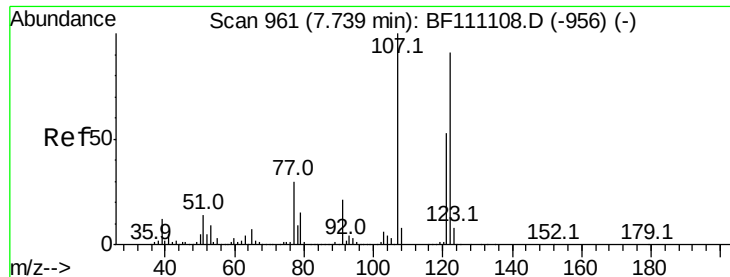


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

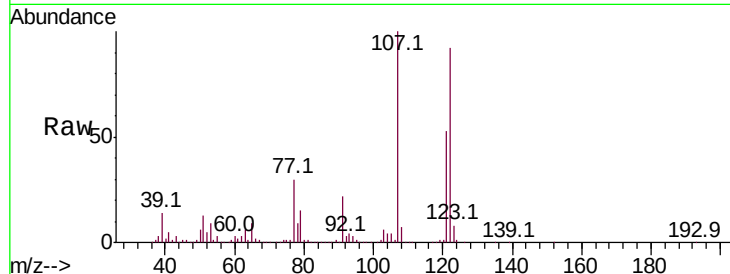




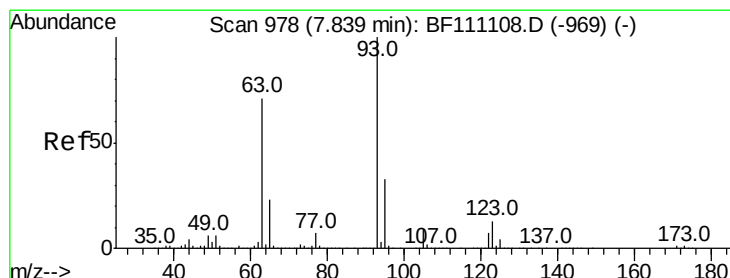
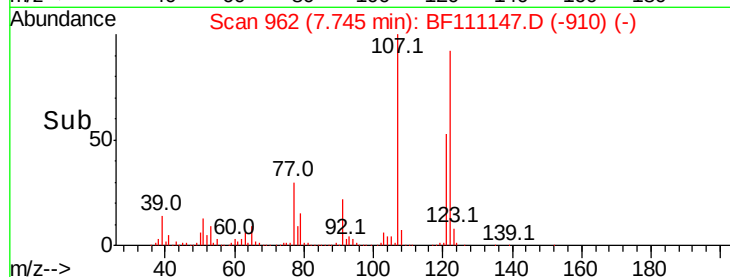
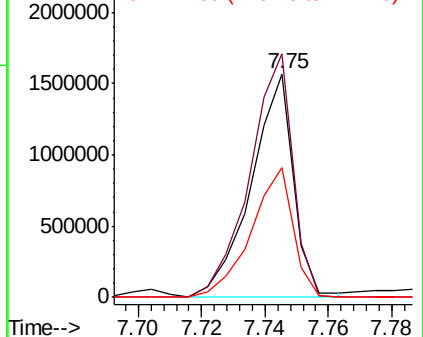
#27
2,4-Dimethylphenol
Concen: 49.929 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 1450580
Ion Ratio Lower Upper
122 100
107 108.9 87.4 131.0
121 57.7 45.9 68.9

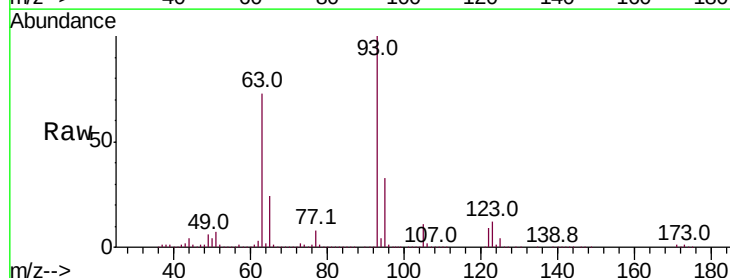


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

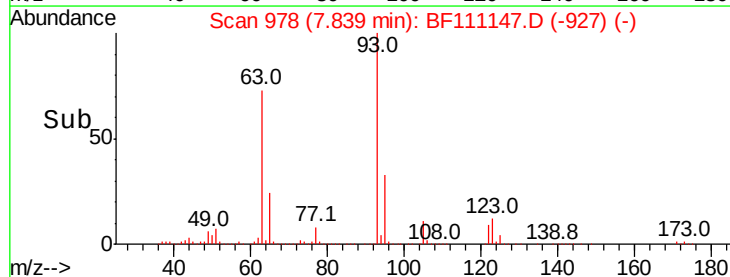
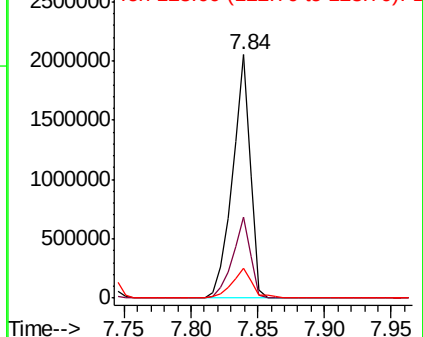


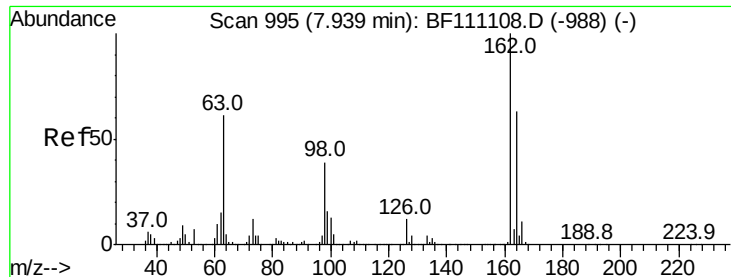
#28
bis(2-Chloroethoxy)methane
Concen: 45.706 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion: 93 Resp: 1927095
Ion Ratio Lower Upper
93 100
95 33.4 26.6 39.8
123 12.5 10.3 15.5



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

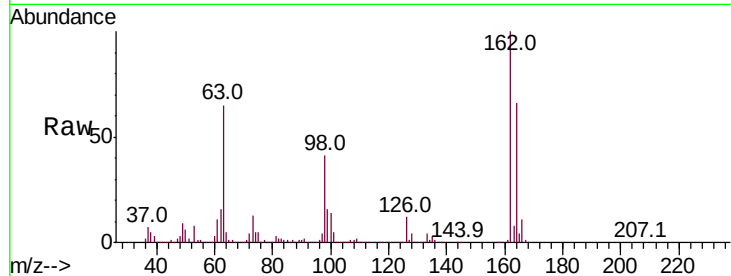




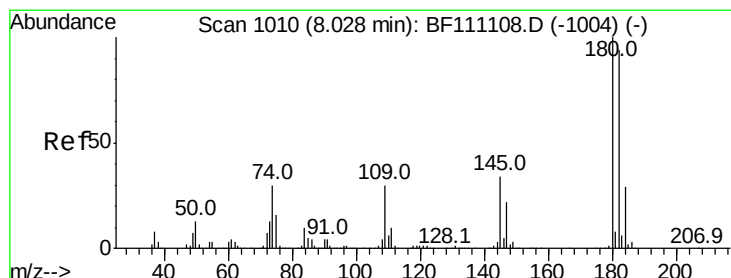
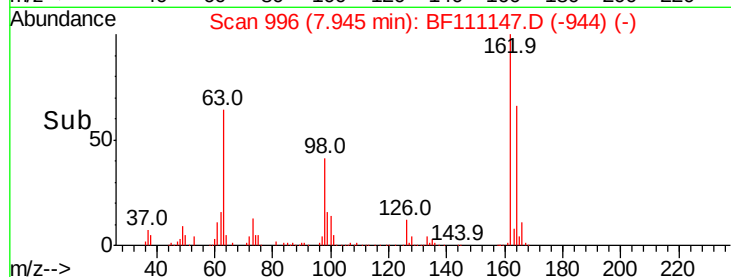
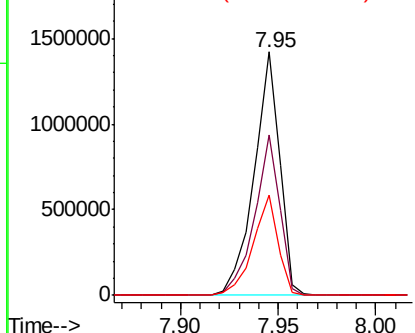
#29
 2,4-Dichlorophenol
 Concen: 45.144 ng
 RT: 7.95 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 1291211
 Ion Ratio Lower Upper
 162 100
 164 65.7 43.3 83.3
 98 41.0 18.9 58.9

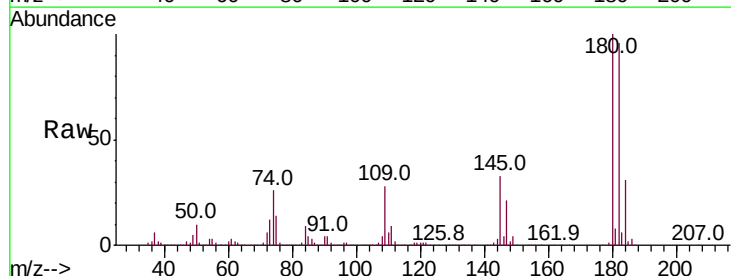


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

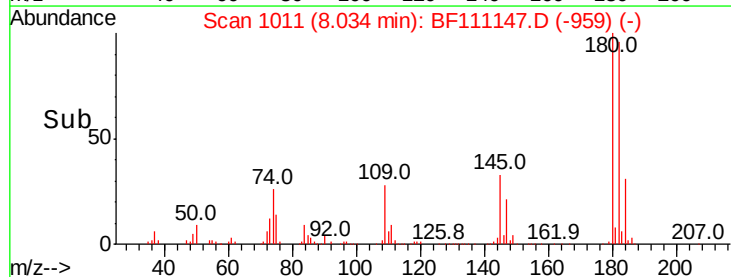
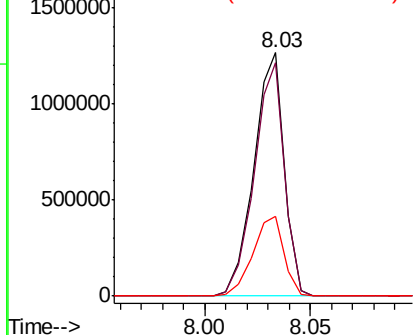


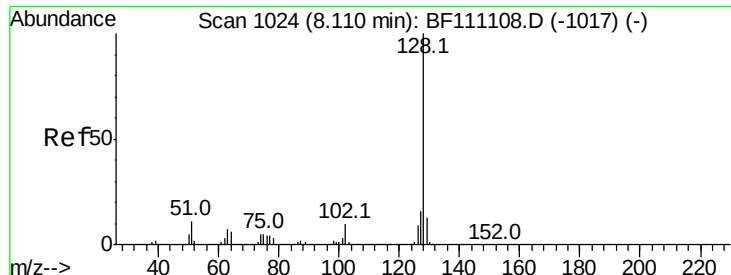
#30
 1,2,4-Trichlorobenzene
 Concen: 43.597 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:180 Resp: 1258624
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.1 112.7
 145 33.0 27.6 41.4



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

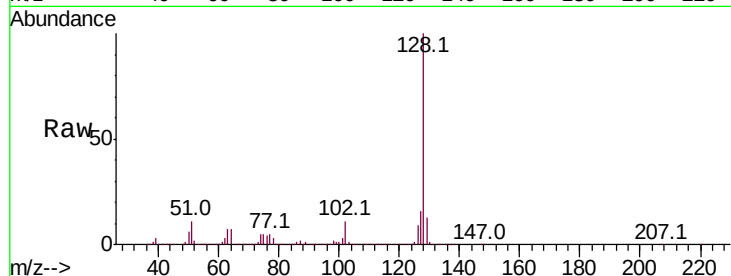




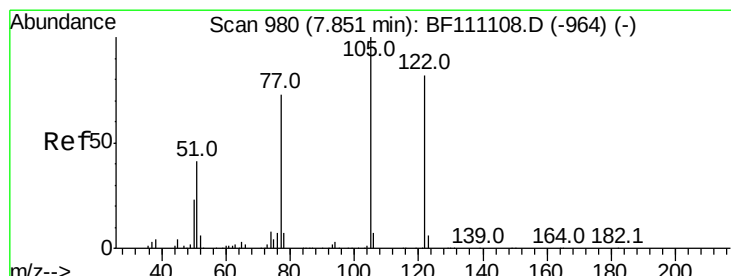
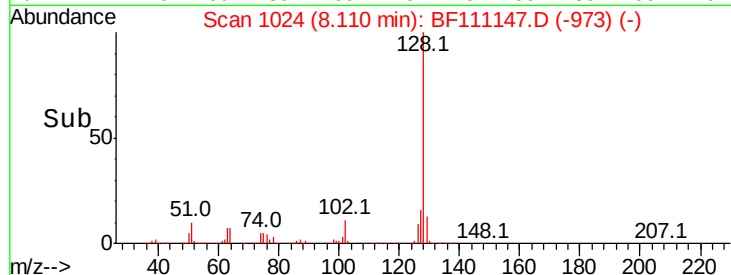
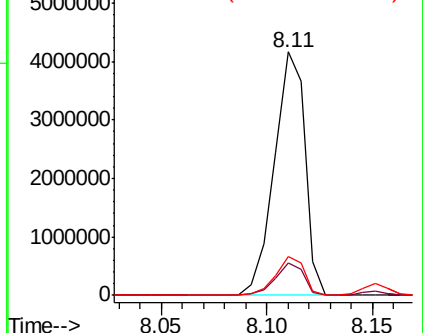
#31
Naphthalene
Concen: 48.217 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 4217884
Ion Ratio Lower Upper
128 100
129 13.3 10.5 15.7
127 15.7 12.5 18.7

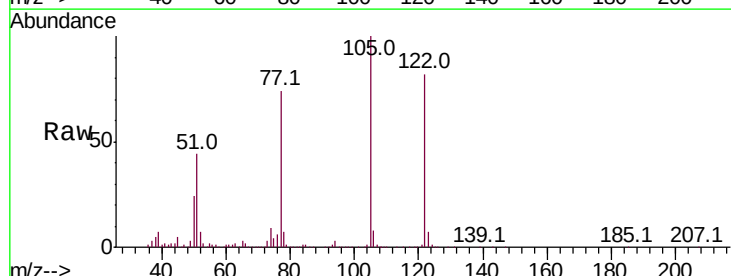


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

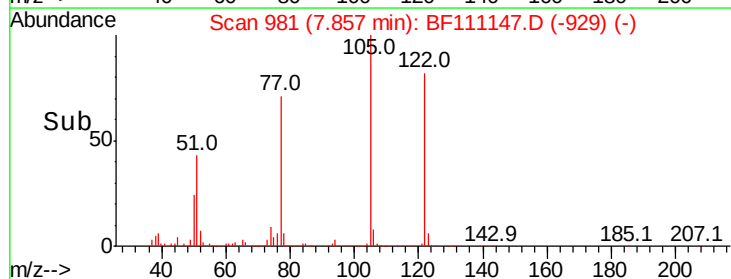
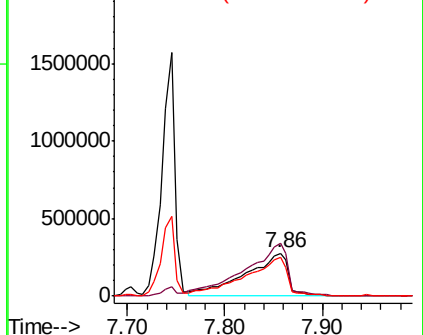


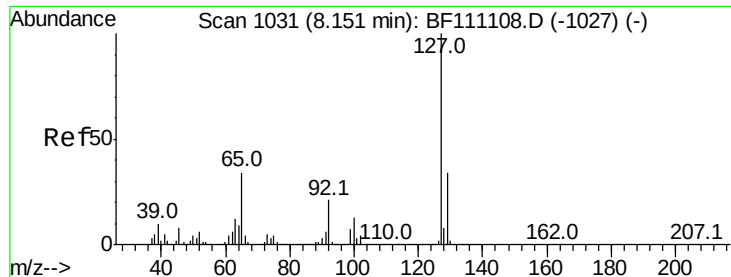
#32
Benzoic acid
Concen: 44.131 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:122 Resp: 845475
Ion Ratio Lower Upper
122 100
105 122.2 100.1 140.1
77 89.9 69.4 109.4



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

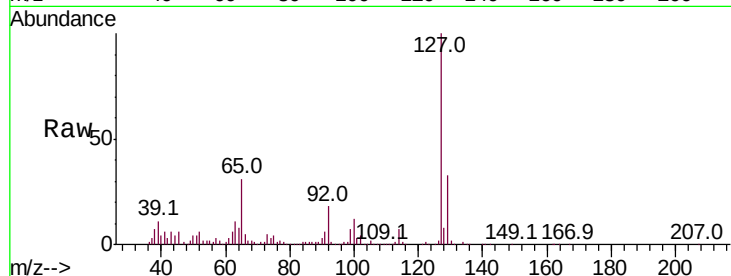




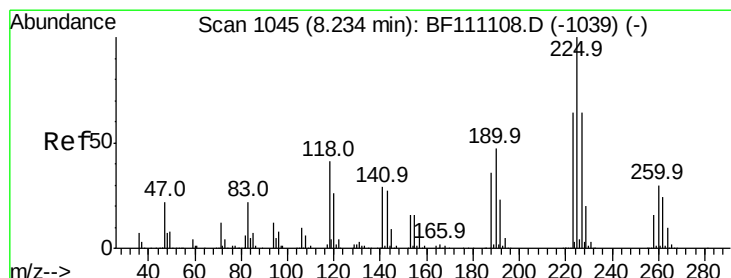
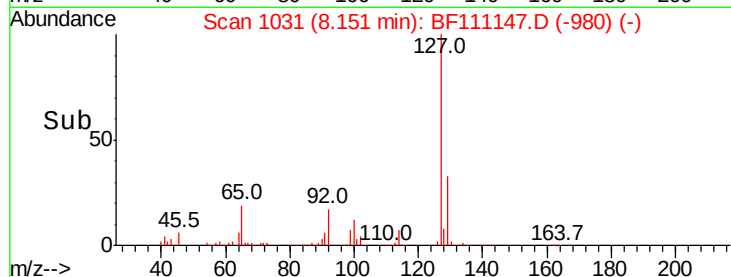
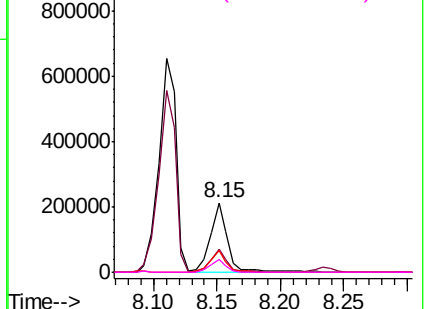
#33
4-Chloroaniline
Concen: 4.780 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:127	Resp:	202123
Ion Ratio	Lower	Upper
127	100	
129	33.3	27.0 40.6
65	30.9	27.2 40.8
92	18.2	16.6 24.8

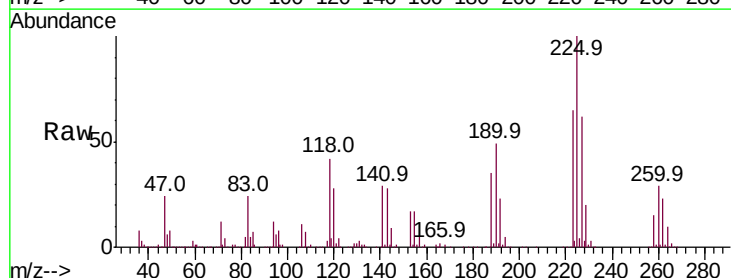


Abundance Ion 127.00 (126.70 to 127.70): E
1000000 Ion 129.00 (128.70 to 129.70): E
800000 Ion 65.00 (64.70 to 65.70): BF1
600000 Ion 92.00 (91.70 to 92.70): BF1
400000
200000
0

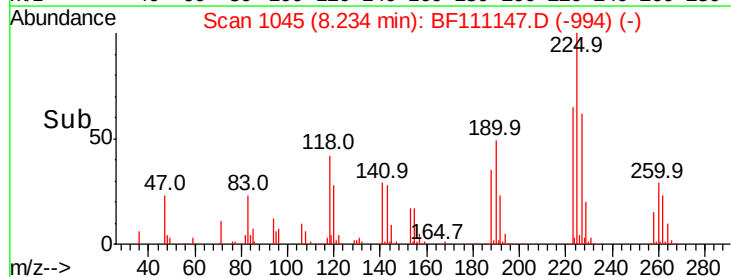
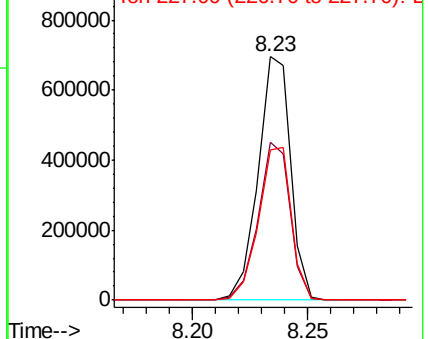


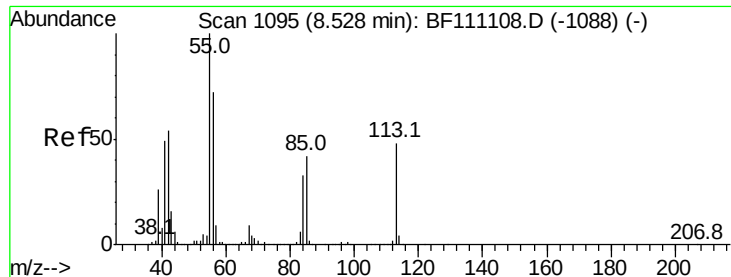
#34
Hexachlorobutadiene
Concen: 43.557 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:225	Resp:	683356
Ion Ratio	Lower	Upper
225	100	
223	65.0	51.4 77.2
227	61.8	51.0 76.4



Abundance Ion 225.00 (224.70 to 225.70): E
800000 Ion 223.00 (222.70 to 223.70): E
600000 Ion 227.00 (226.70 to 227.70): E
400000
200000
0

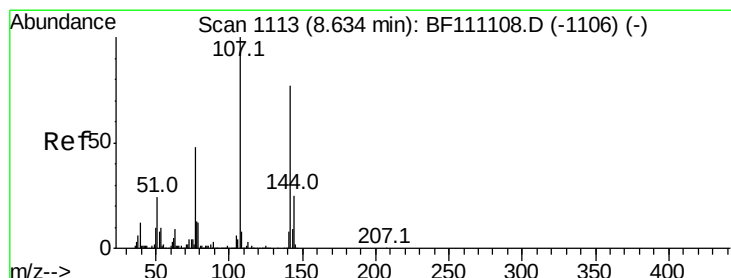
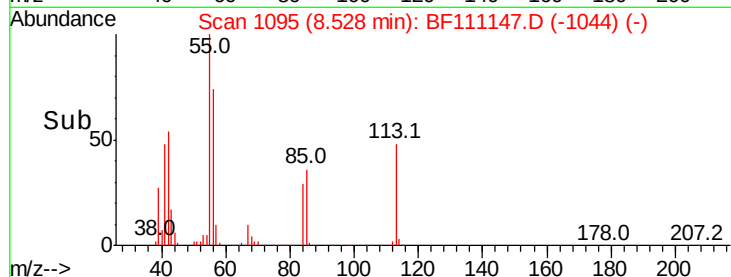
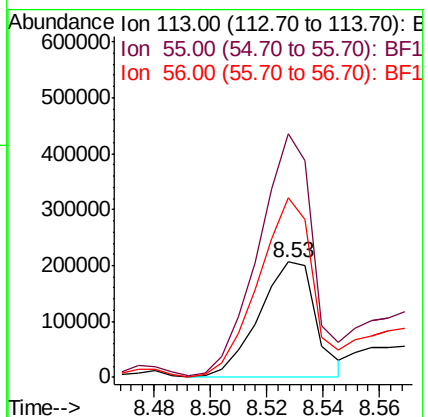
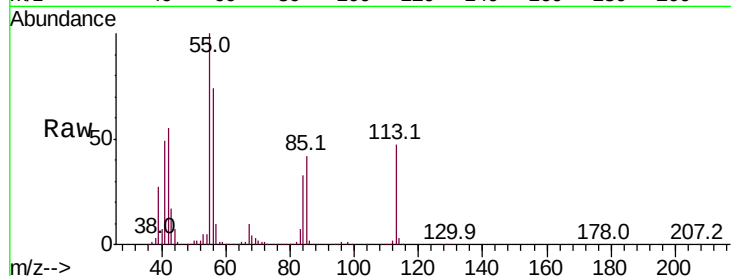




#35
 Caprolactam
 Concen: 27.134 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

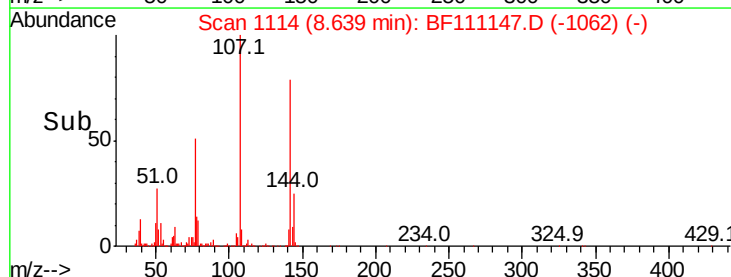
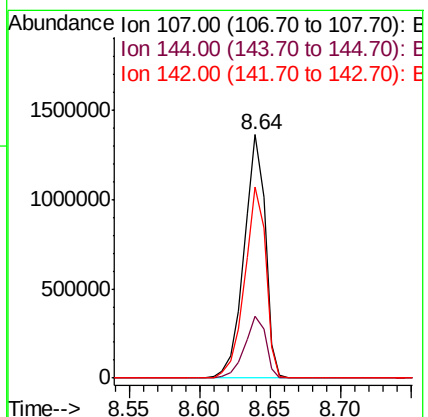
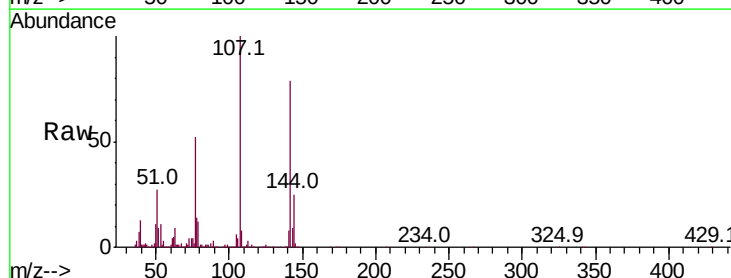
Instrument :
 BNA_F
 ClientSampleId :

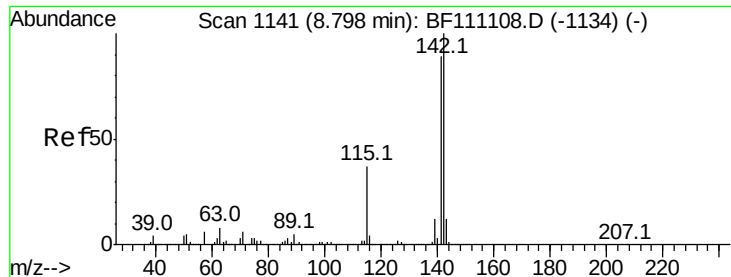
Tot Ion:113 Resp: 284945
 Ion Ratio Lower Upper
 113 100
 55 211.1 190.6 230.6
 56 155.9 130.9 170.9



#36
 4-Chloro-3-methylphenol
 Concen: 45.893 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:107 Resp: 1437774
 Ion Ratio Lower Upper
 107 100
 144 25.5 19.9 29.9
 142 78.7 61.4 92.0

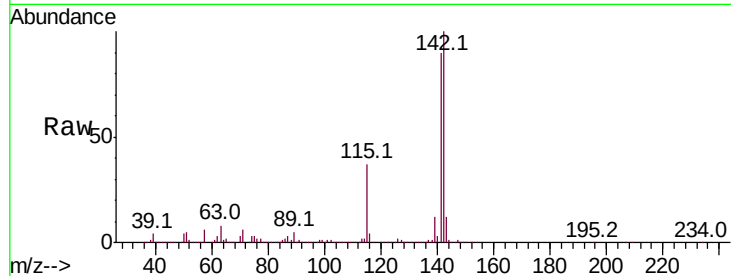




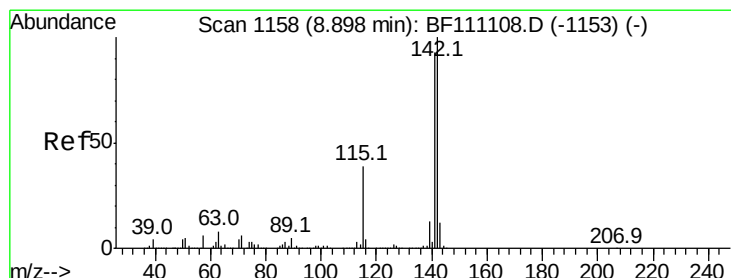
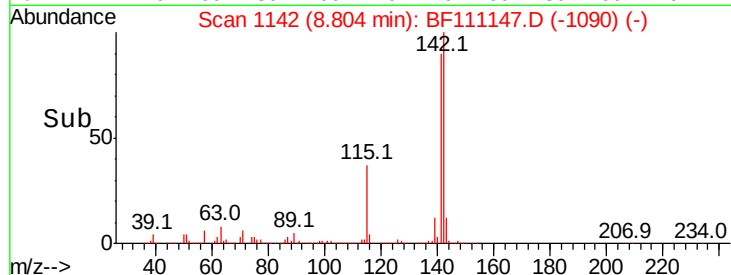
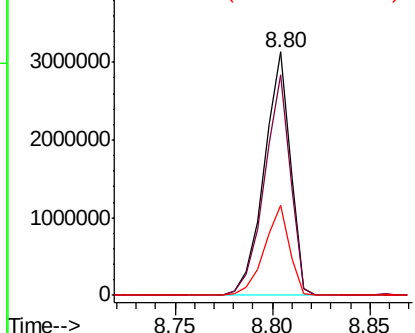
#37
2-Methylnaphthalene
Concen: 48.273 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 2912833
Ion Ratio Lower Upper
142 100
141 90.4 71.4 107.0
115 37.0 29.2 43.8

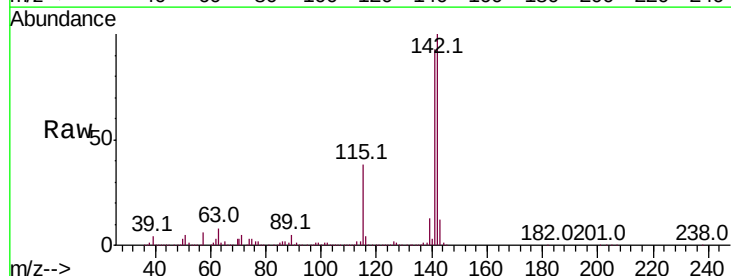


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

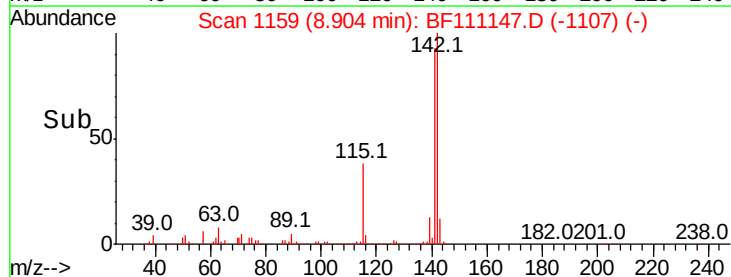
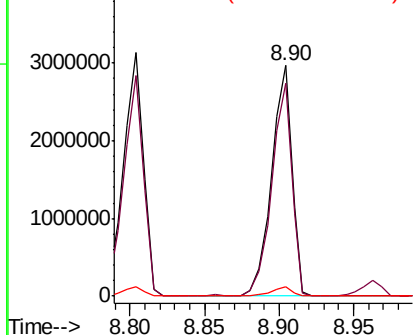


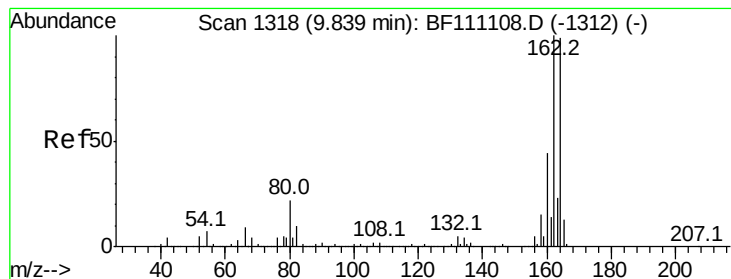
#38
1-Methylnaphthalene
Concen: 48.154 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:142 Resp: 2793517
Ion Ratio Lower Upper
142 100
141 92.7 74.5 111.7
116 4.2 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampled :

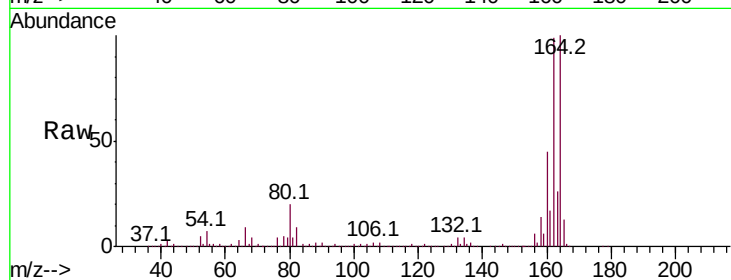
Tot Ion:164 Resp: 966825

Ion Ratio Lower Upper

164 100

162 98.7 80.6 120.8

160 45.1 35.5 53.3

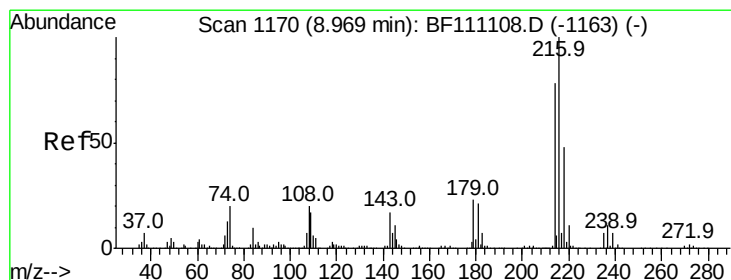
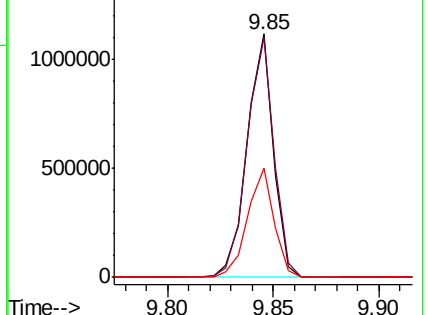
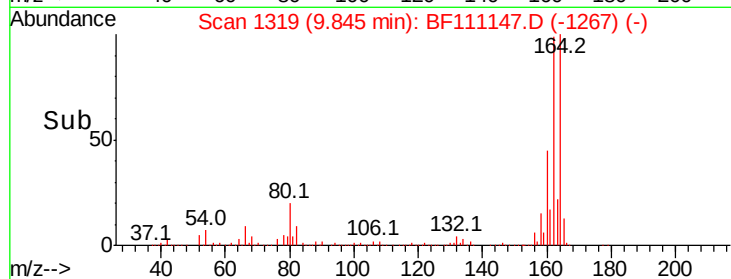


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.622 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:216 Resp: 1046742

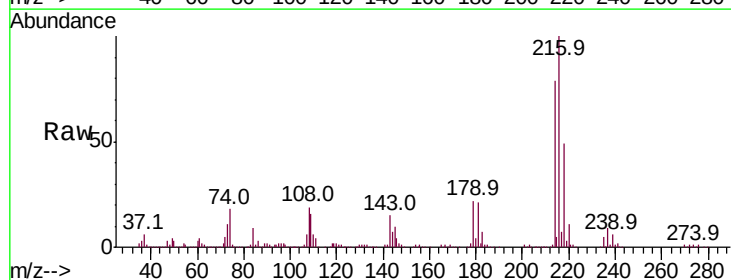
Ion Ratio Lower Upper

216 100

214 79.5 63.4 95.0

179 23.1 18.5 27.7

108 26.2 19.1 28.7



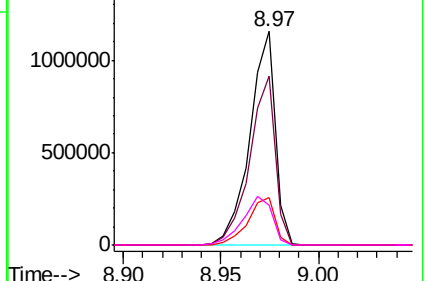
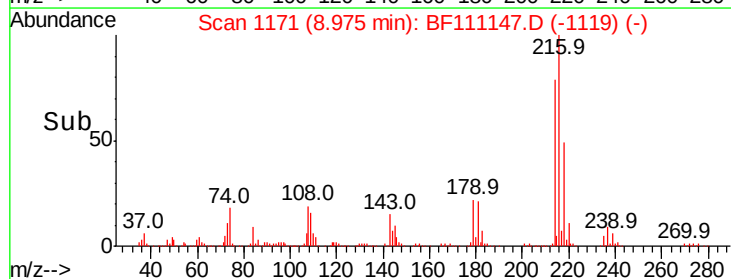
Abundance

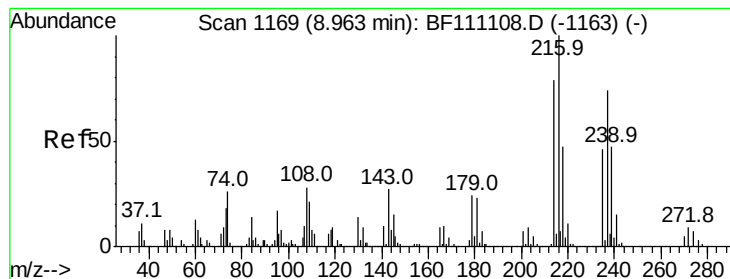
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 91.433 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

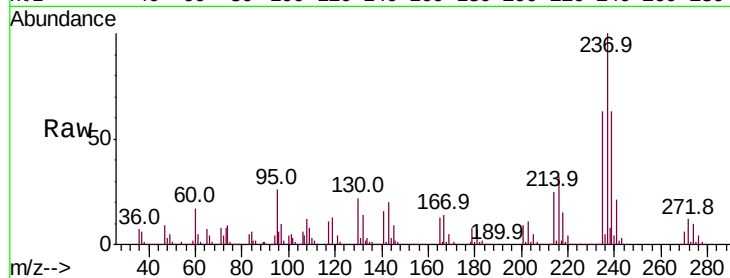
Instrument :

BNA_F

ClientSampleId :

Tot Ion:237 Resp: 1242307

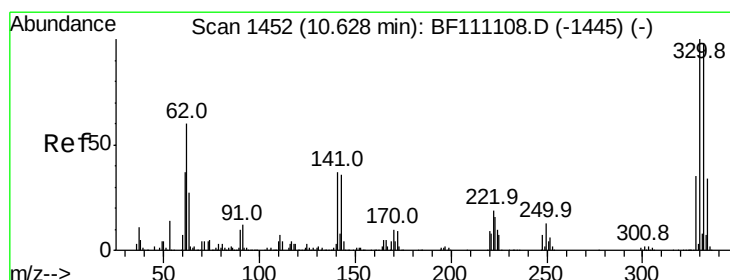
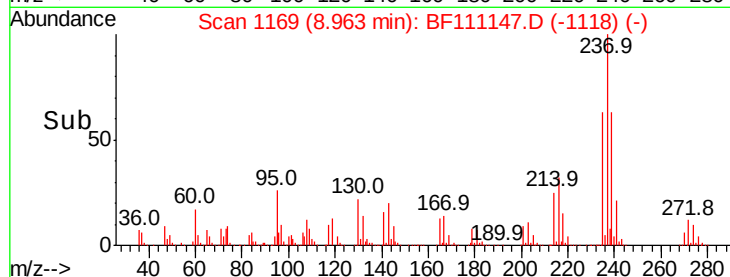
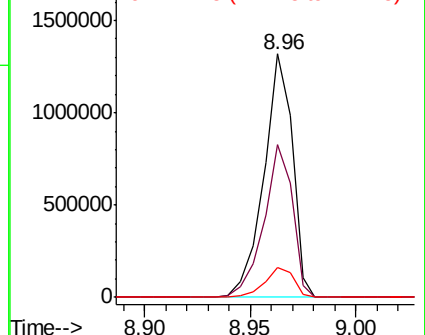
Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.9	81.9
272	12.4	0.0	32.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 142.805 ng

RT: 10.63 min Scan# 1453

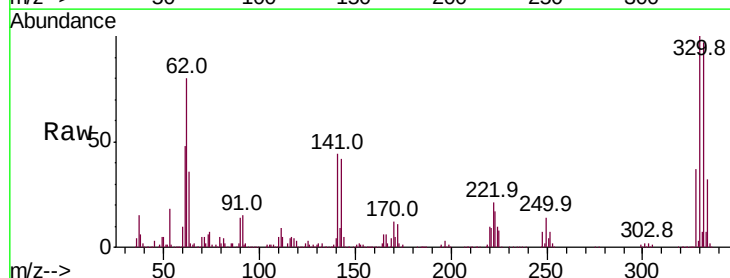
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:330 Resp: 1097478

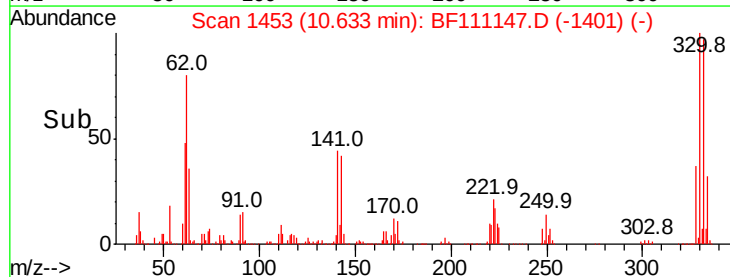
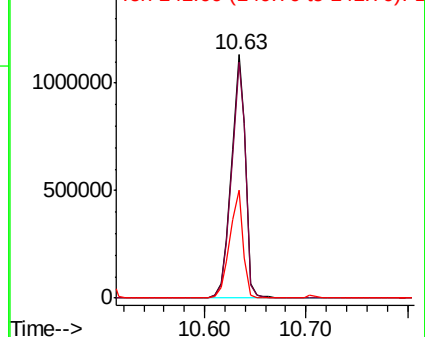
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.2	115.8
141	42.3	36.1	54.1

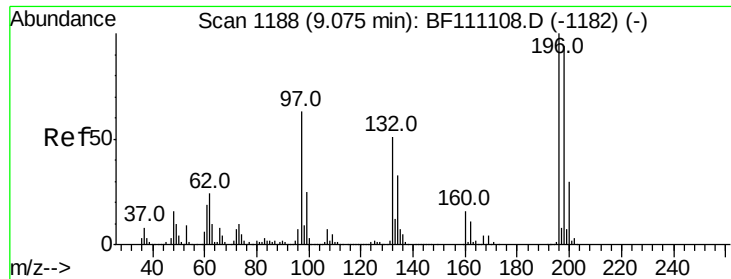


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

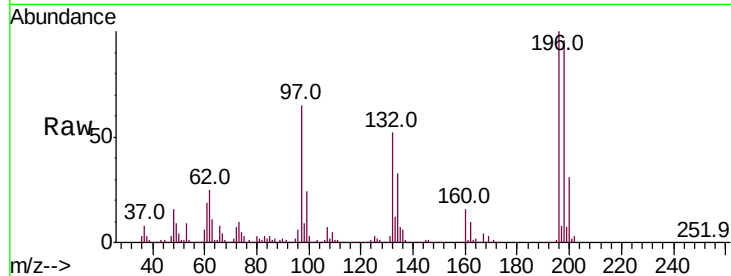




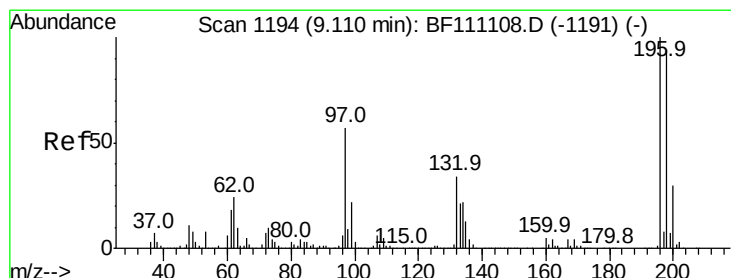
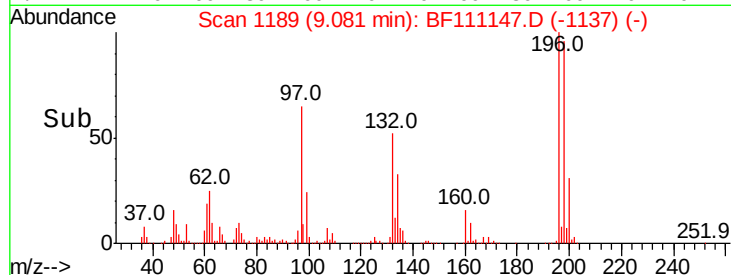
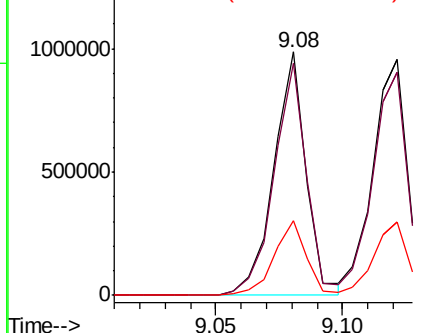
#43
 2,4,6-Trichlorophenol
 Concen: 46.862 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.4	113.0
200	30.6	24.2	36.4



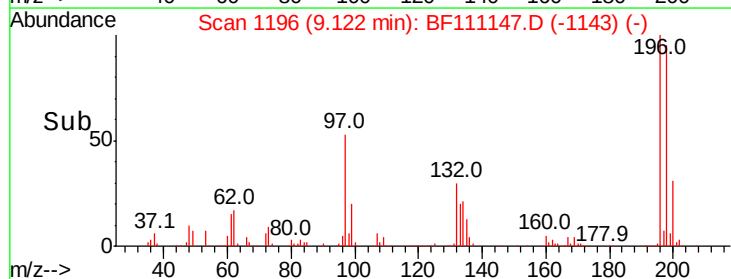
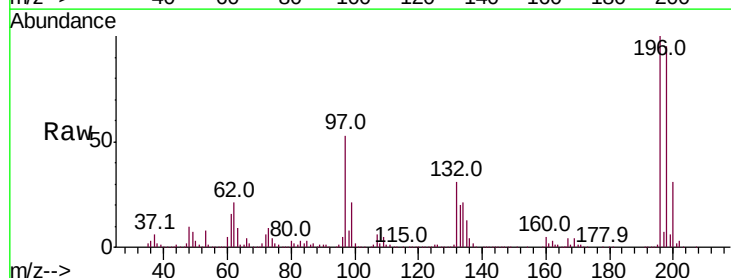
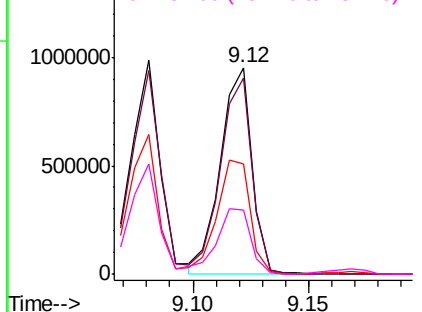
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

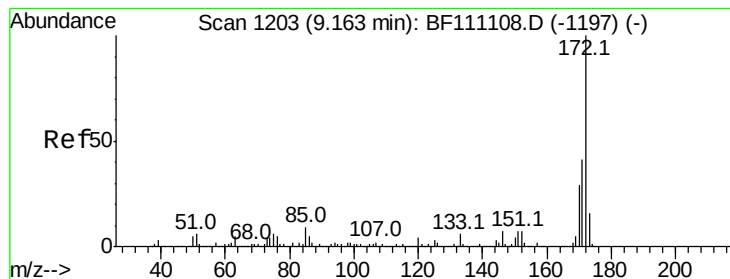


#44
 2,4,5-Trichlorophenol
 Concen: 47.334 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.0	112.4
97	53.0	46.2	69.4
132	30.8	27.2	40.8

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: 100.568 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

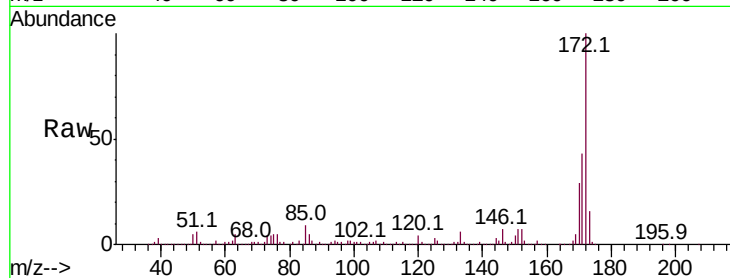
Tot Ion:172 Resp: 5115221

Ion Ratio Lower Upper

172 100

171 42.7 33.2 49.8

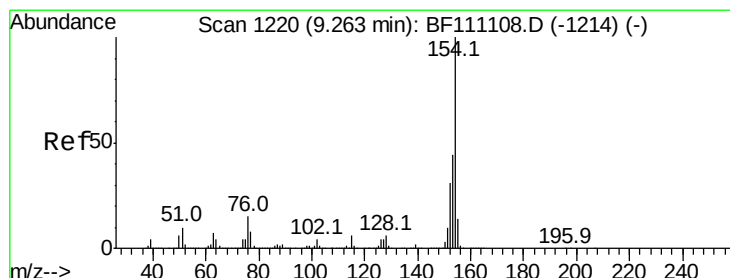
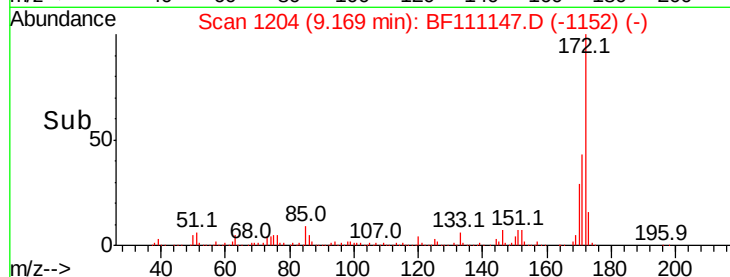
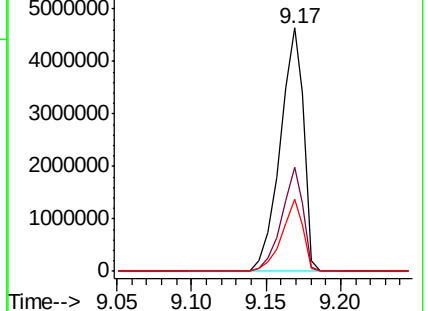
170 29.4 22.9 34.3



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: 40.958 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

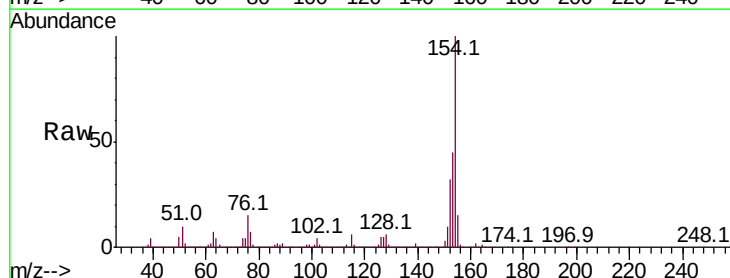
Tgt Ion:154 Resp: 3241710

Ion Ratio Lower Upper

154 100

153 44.5 23.7 63.7

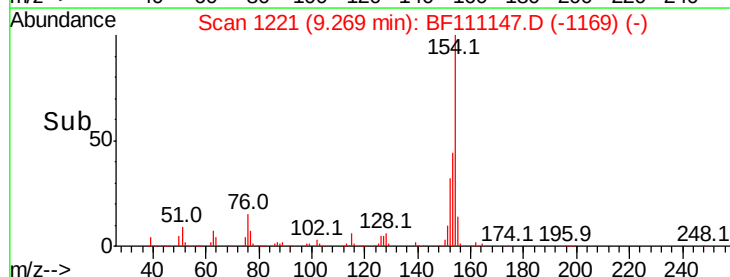
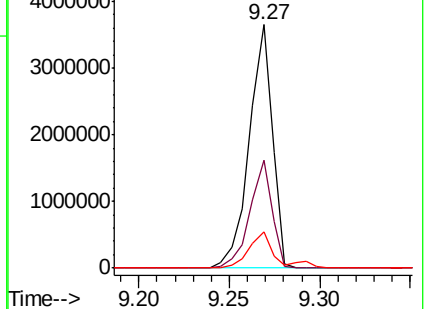
76 14.9 0.0 35.0

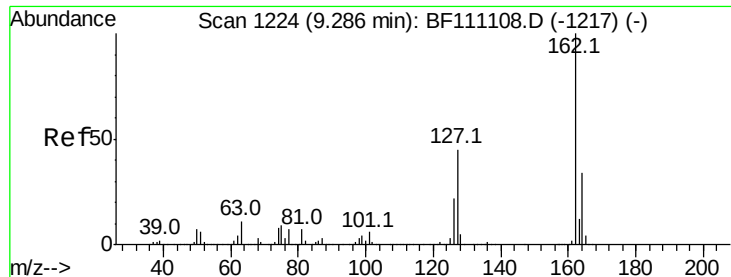


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 42.967 ng

RT: 9.29 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

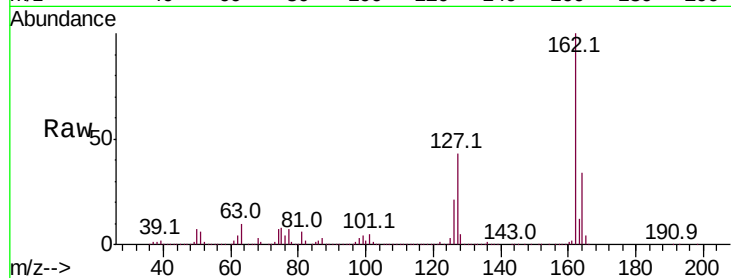
Tot Ion:162 Resp: 2642520

Ion Ratio Lower Upper

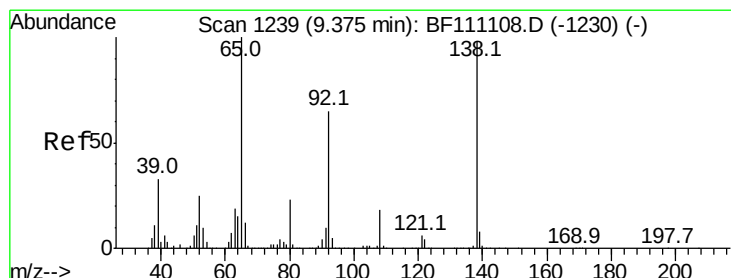
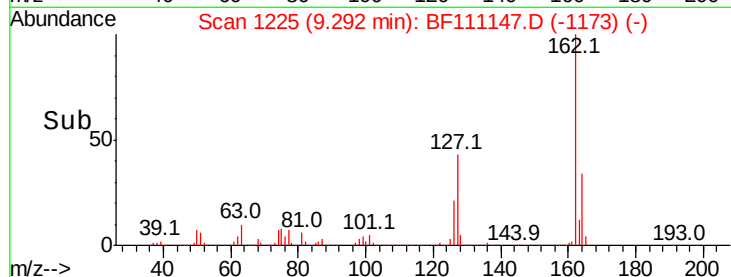
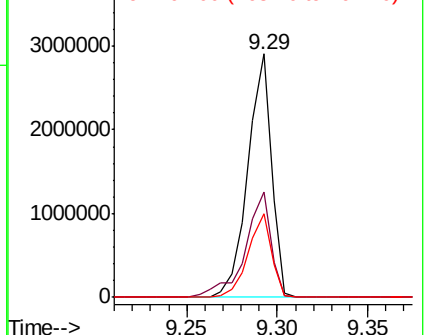
162 100

127 43.1 36.4 54.6

164 34.3 27.3 40.9



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 47.242 ng

RT: 9.38 min Scan# 1240

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

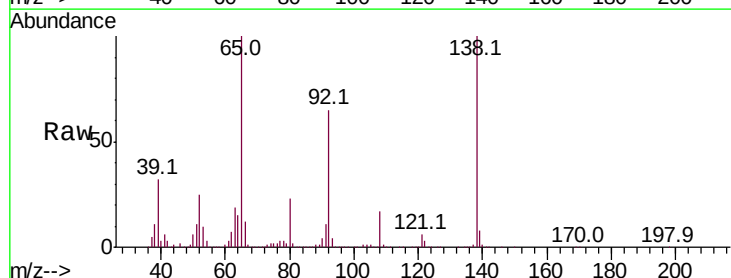
Tgt Ion: 65 Resp: 941583

Ion Ratio Lower Upper

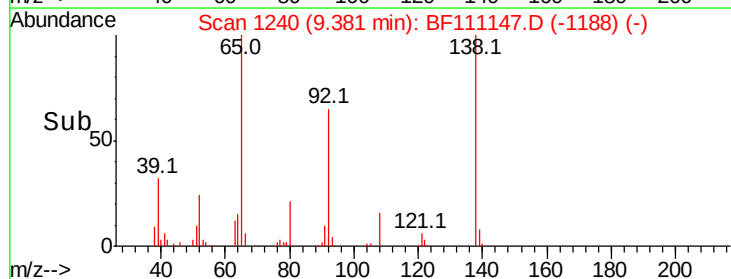
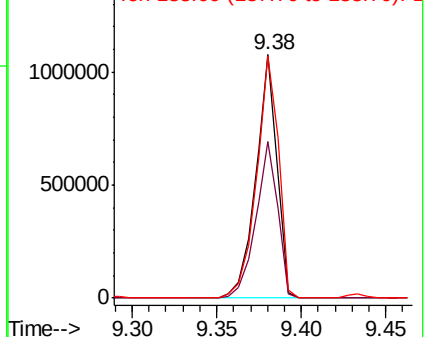
65 100

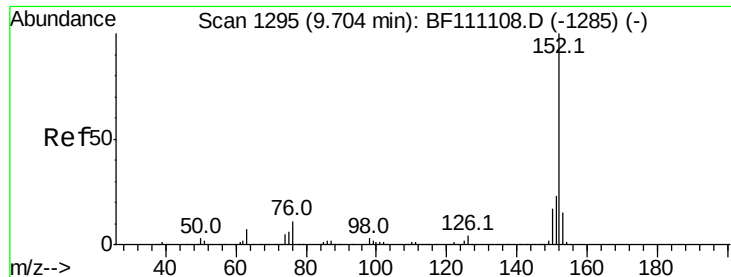
92 64.5 52.1 78.1

138 99.6 78.2 117.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

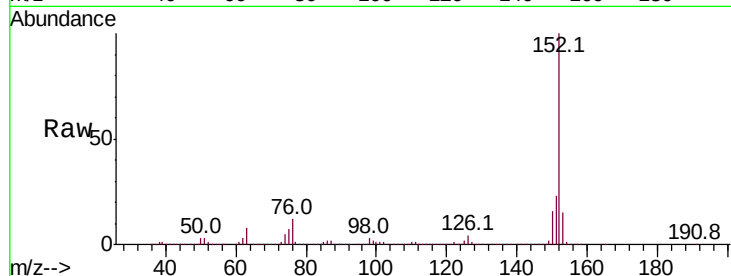




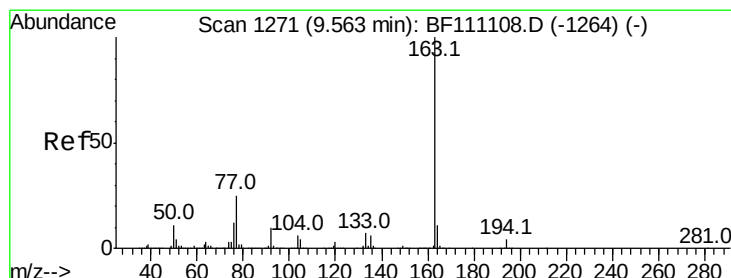
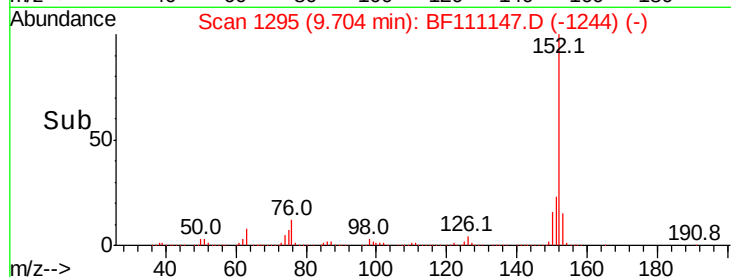
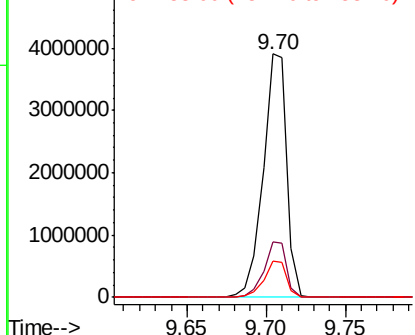
#49
Acenaphthylene
Concen: 47.364 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 4071726
Ion Ratio Lower Upper
152 100
151 22.7 18.3 27.5
153 15.1 11.8 17.8

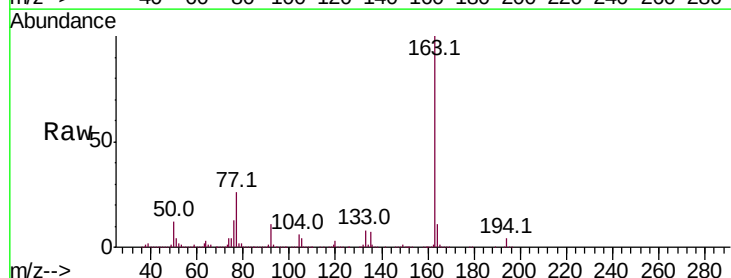


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

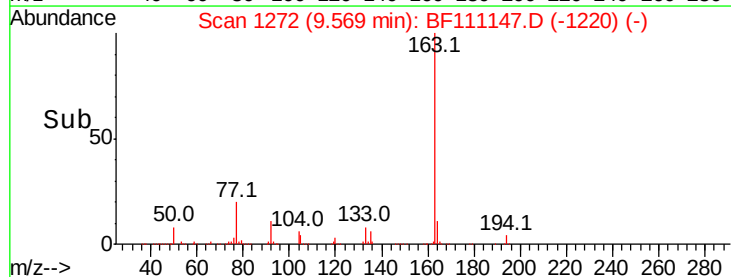
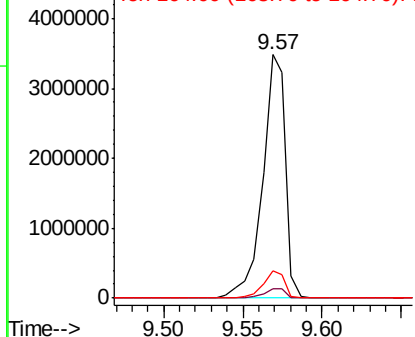


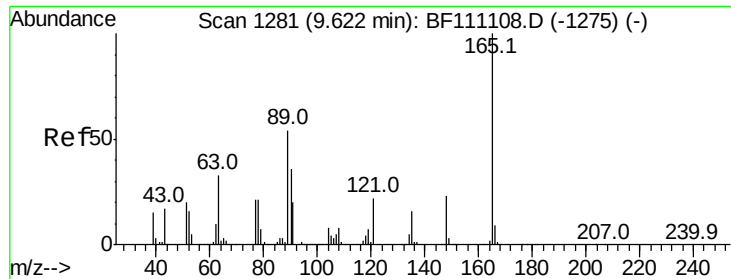
#50
Dimethylphthalate
Concen: 51.683 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:163 Resp: 3477636
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 11.4 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

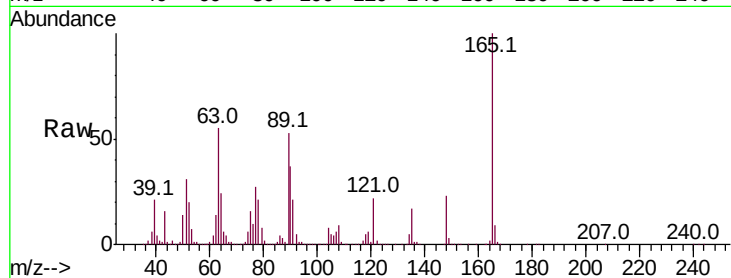




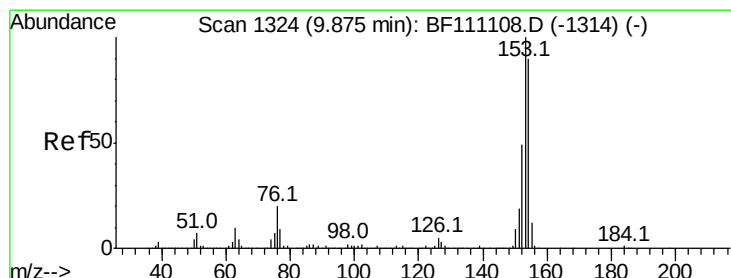
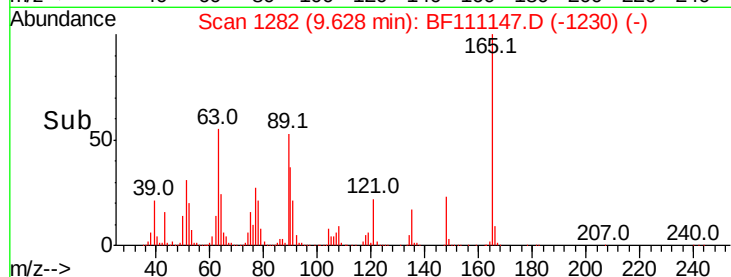
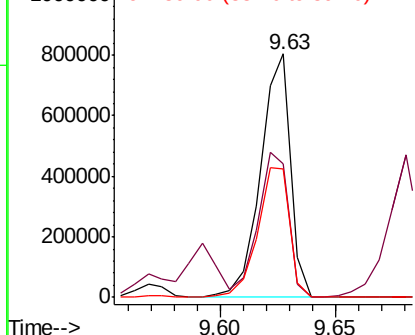
#51
 2,6-Dinitrotoluene
 Concen: 51.038 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 728099
 Ion Ratio Lower Upper
 165 100
 63 54.6 44.7 67.1
 89 52.6 43.0 64.4

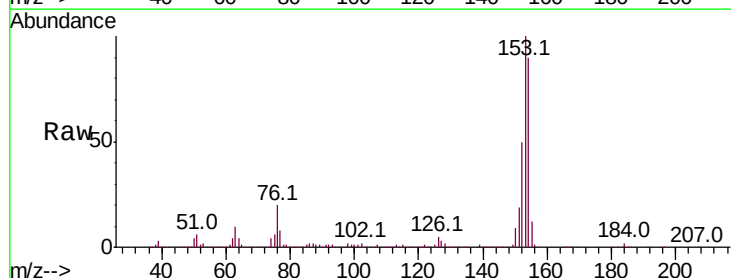


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

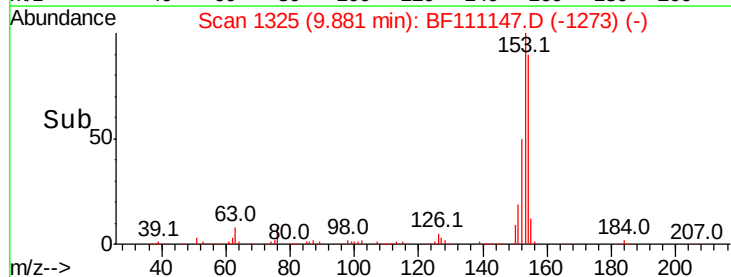
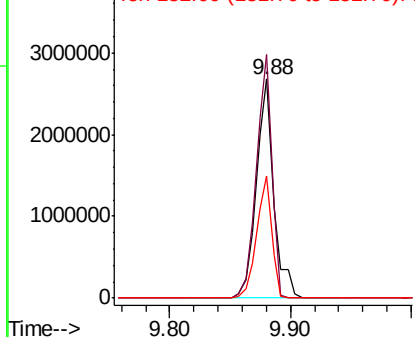


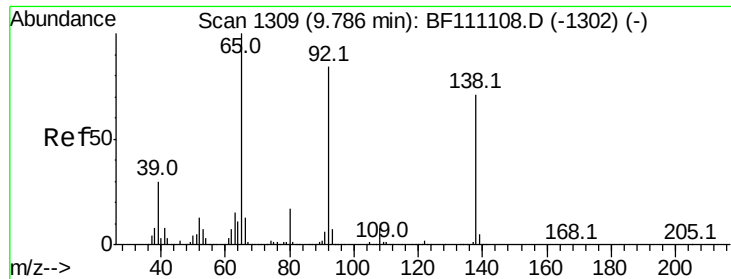
#52
 Acenaphthene
 Concen: 47.520 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:154 Resp: 2698855
 Ion Ratio Lower Upper
 154 100
 153 111.1 88.7 133.1
 152 55.8 43.8 65.8



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

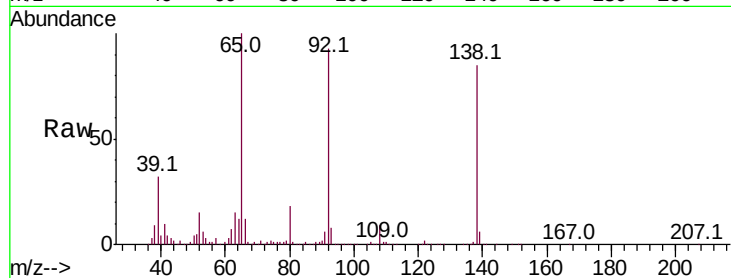




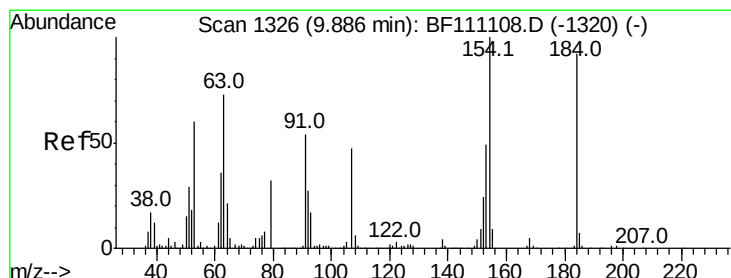
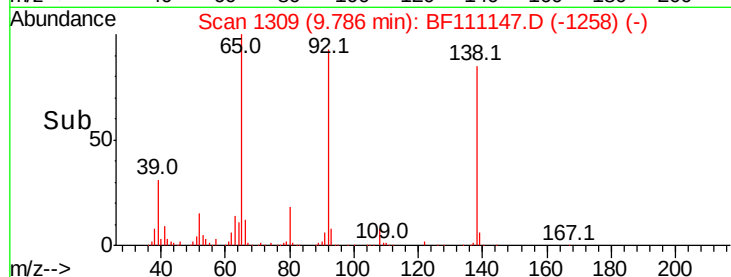
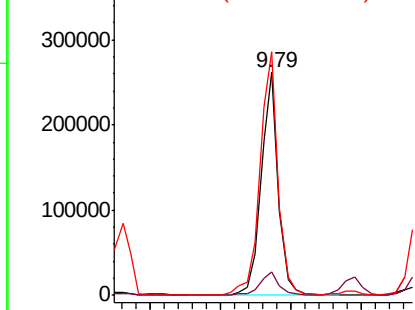
#53
3-Nitroaniline
Concen: 12.521 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 224379
Ion Ratio Lower Upper
138 100
108 10.3 9.4 14.0
92 109.2 94.1 141.1

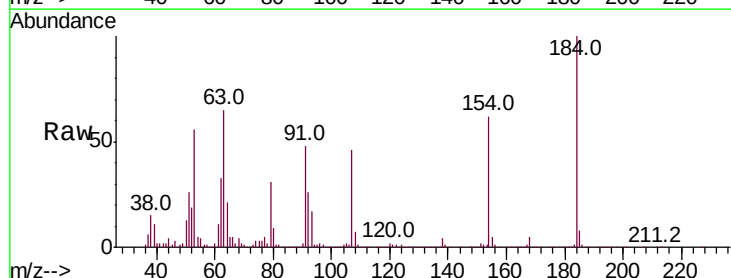


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

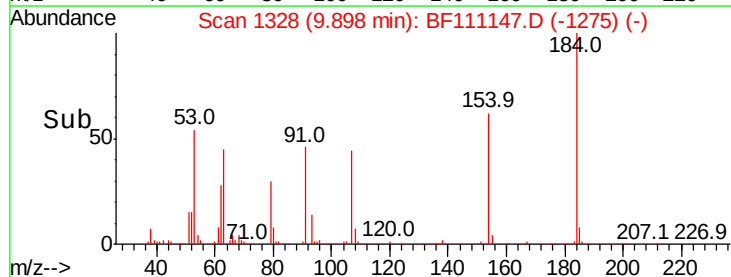
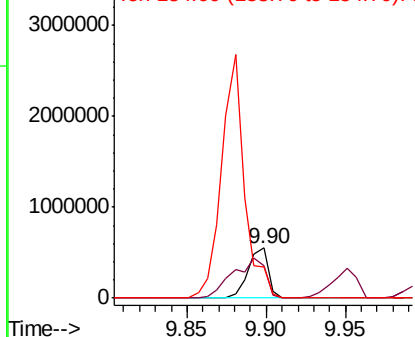


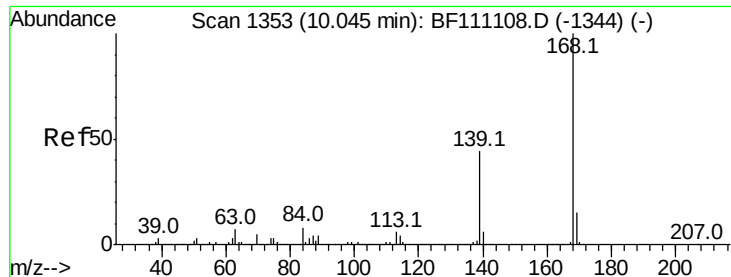
#54
2,4-Dinitrophenol
Concen: 106.719 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:184 Resp: 493254
Ion Ratio Lower Upper
184 100
63 65.4 64.2 96.4
154 62.3 89.5 134.3#



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

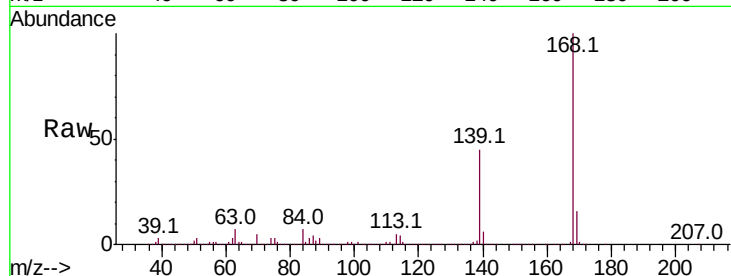




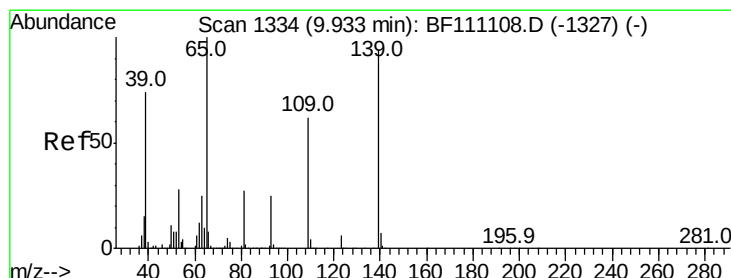
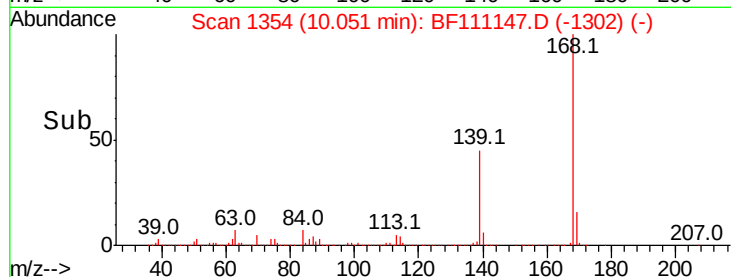
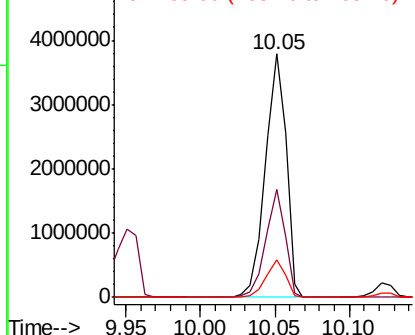
#55
Dibenzofuran
Concen: 46.038 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 3601361
Ion Ratio Lower Upper
168 100
139 44.6 35.1 52.7
169 15.6 12.2 18.4

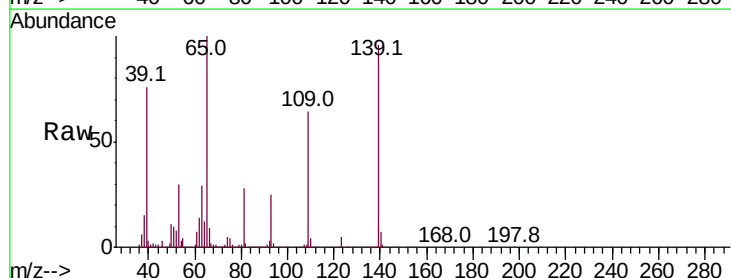


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

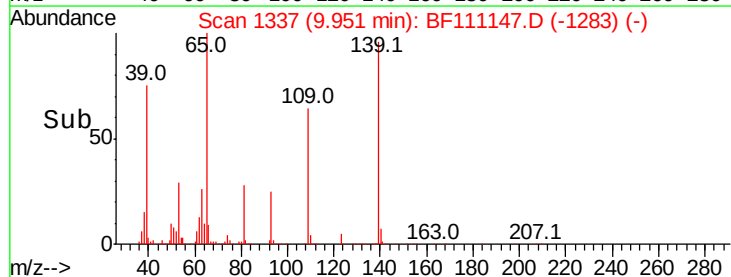
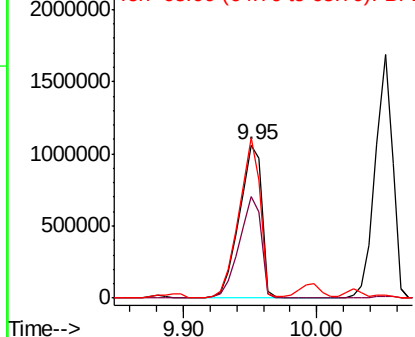


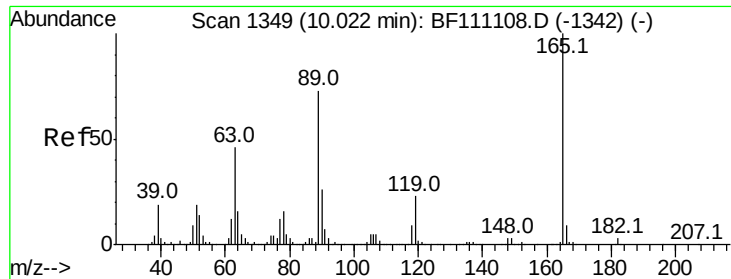
#56
4-Nitrophenol
Concen: 91.923 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:139 Resp: 1241294
Ion Ratio Lower Upper
139 100
109 66.5 46.1 86.1
65 104.5 87.0 127.0



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

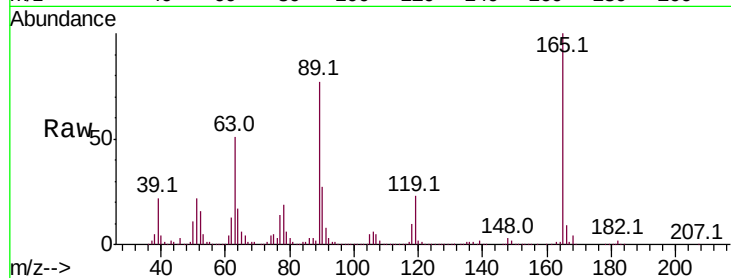




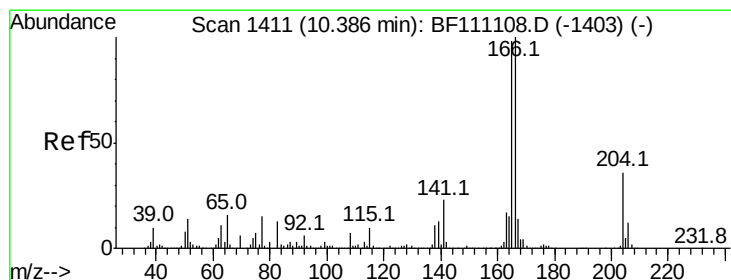
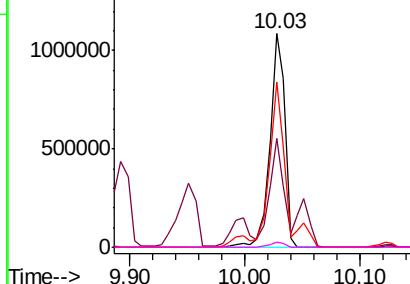
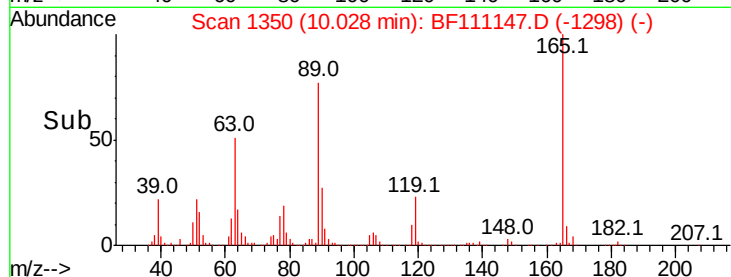
#57
2,4-Dinitrotoluene
Concen: 53.699 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 989389
Ion Ratio Lower Upper
165 100
63 51.2 36.7 55.1
89 77.4 58.4 87.6
182 2.3 2.1 3.1

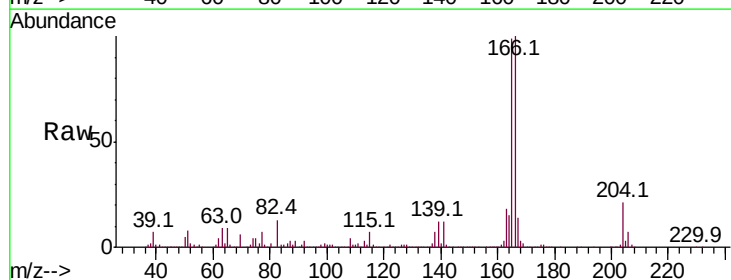


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

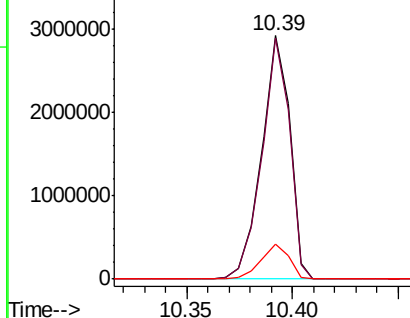
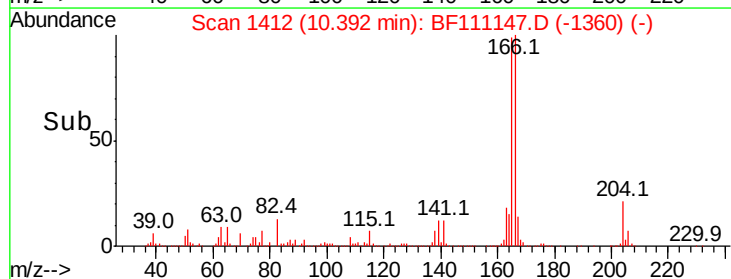


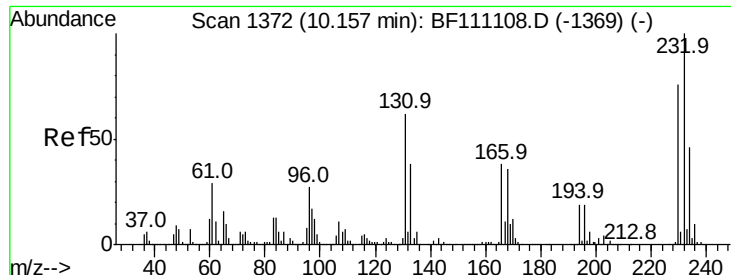
#58
Fluorene
Concen: 49.228 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:166 Resp: 2715551
Ion Ratio Lower Upper
166 100
165 98.8 78.4 117.6
167 14.5 11.4 17.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

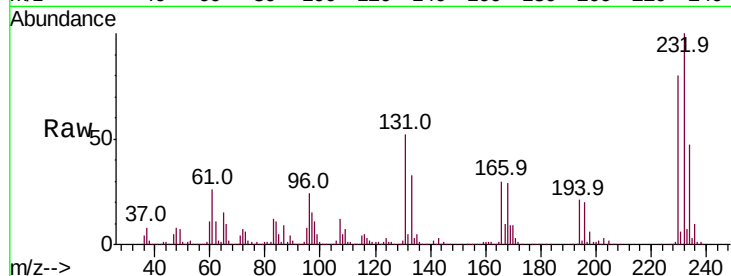




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.153 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.04 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.5	40.4	60.6
130	2.7	2.1	3.1
166	28.5	23.0	34.6



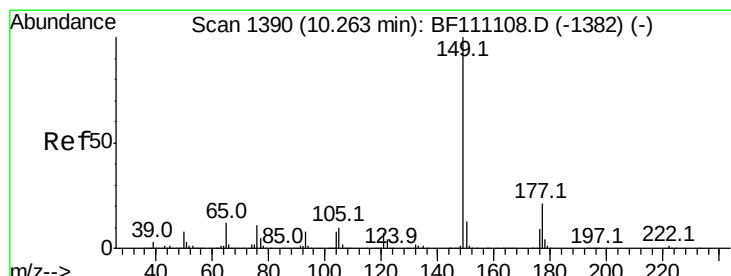
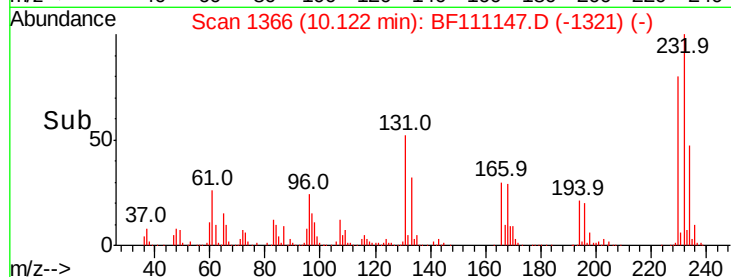
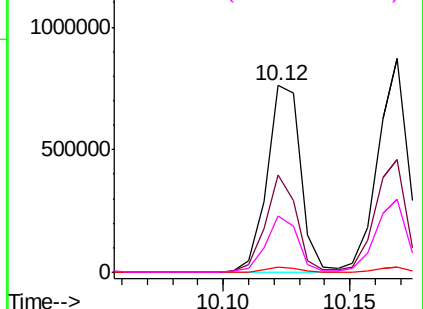
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

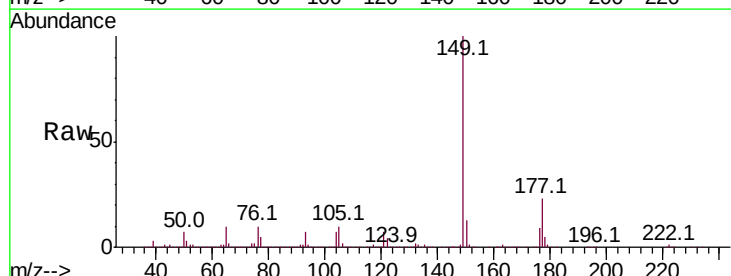
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 46.201 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.0	25.6
150	12.7	10.5	15.7

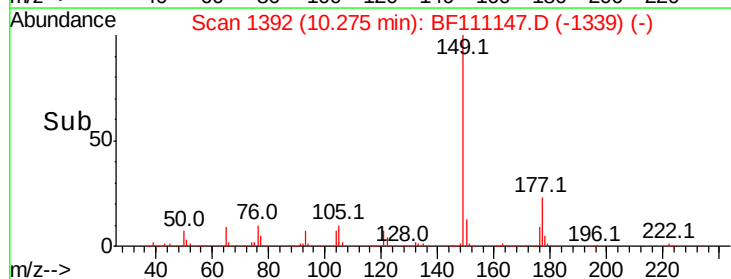
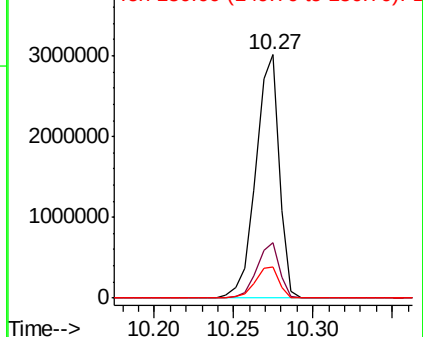


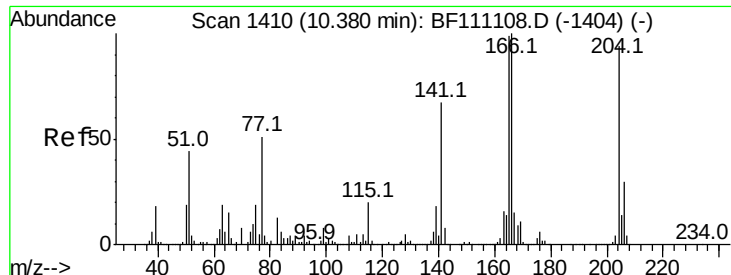
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

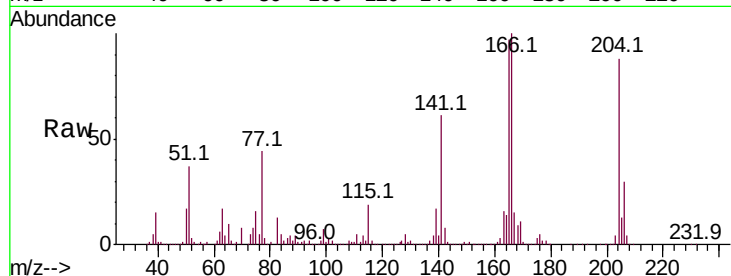




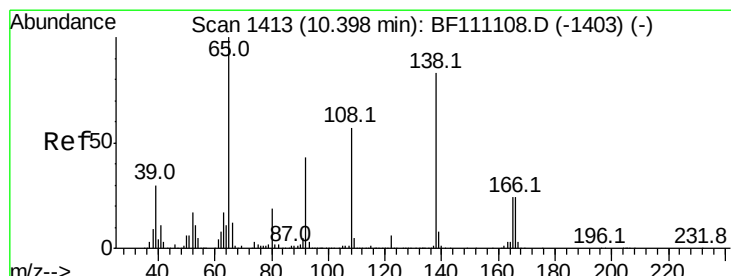
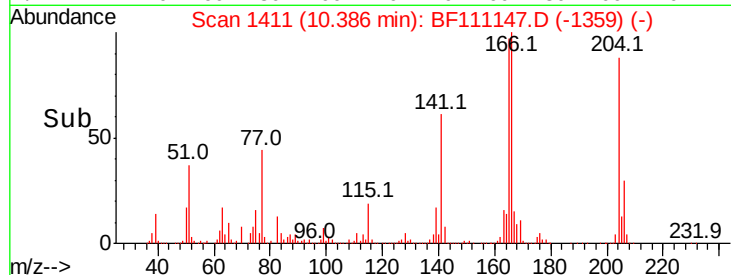
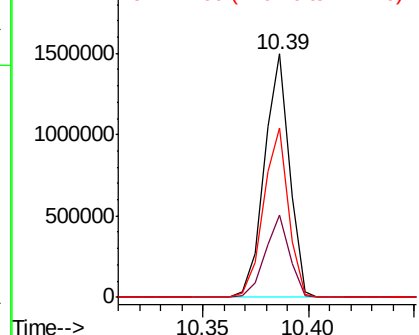
#61
 4-Chlorophenyl-phenylether
 Concen: 45.525 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:204 Resp: 1237612
 Ion Ratio Lower Upper
 204 100
 206 33.6 25.9 38.9
 141 69.5 57.4 86.0

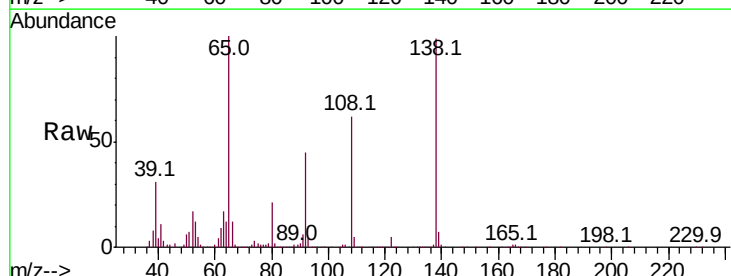


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

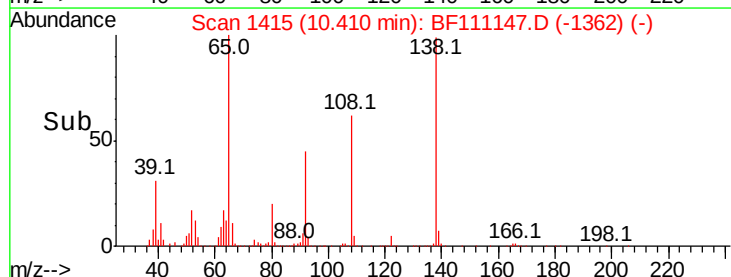
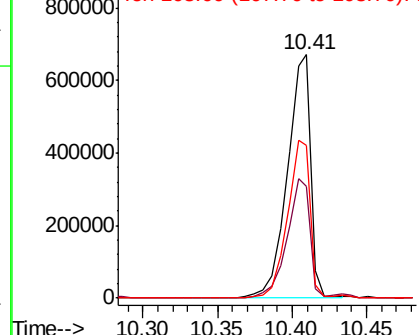


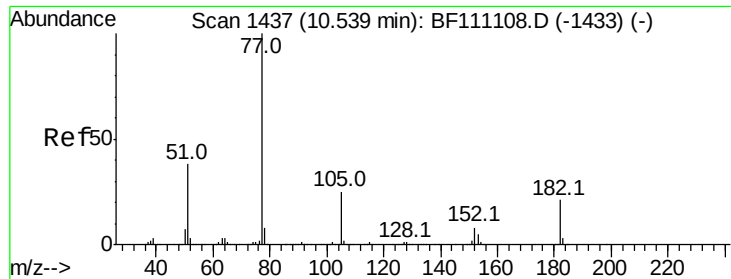
#62
 4-Nitroaniline
 Concen: 45.638 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:138 Resp: 738106
 Ion Ratio Lower Upper
 138 100
 92 46.1 31.6 71.6
 108 62.6 48.3 88.3



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: 43.966 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

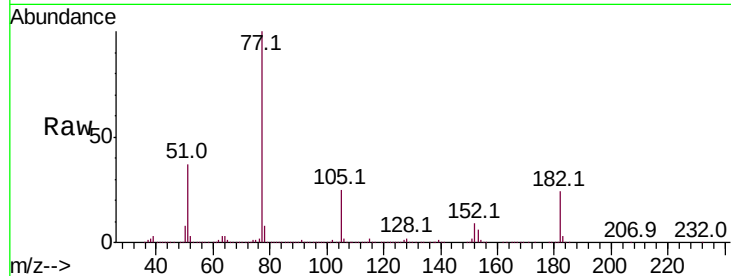
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 3147586

Ion	Ratio	Lower	Upper
77	100		
182	23.6	1.4	41.4
105	25.2	4.7	44.7
51	37.5	18.0	58.0

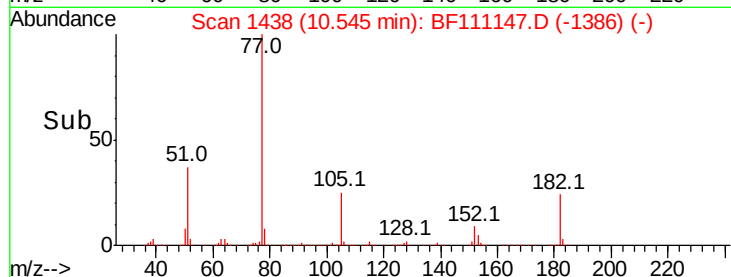


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Abundance

Time-->

10.55

3000000

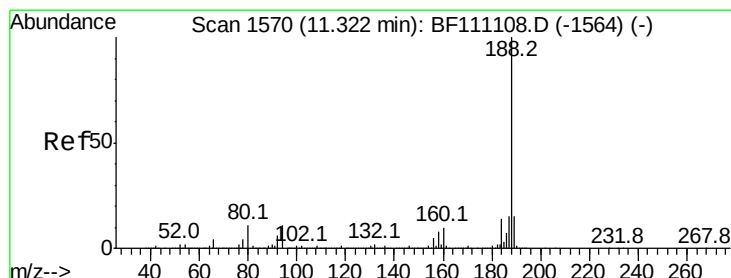
2000000

1000000

0

10.50 10.55 10.60

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

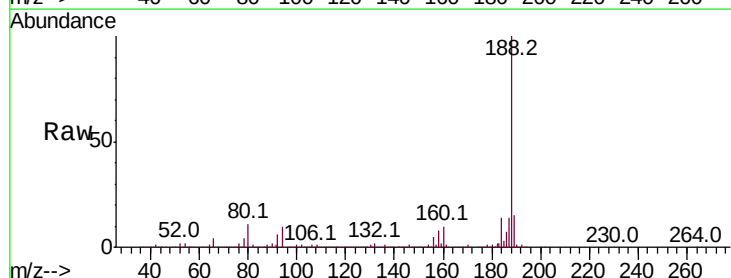
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion: 188 Resp: 1684018

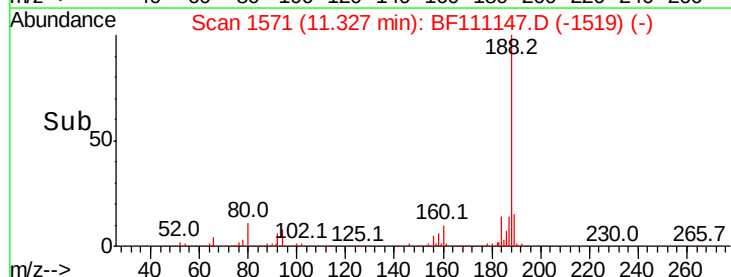
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.2	9.0	13.6



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Abundance

Time-->

11.33

2500000

2000000

1500000

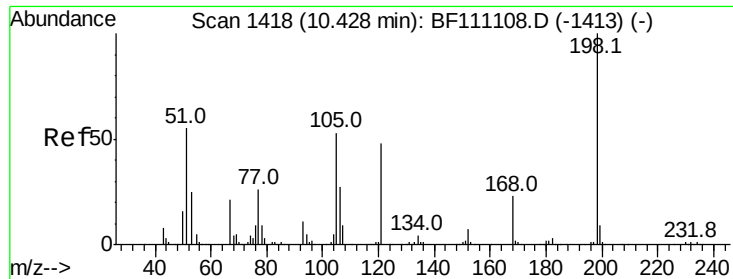
1000000

500000

0

11.30 11.35

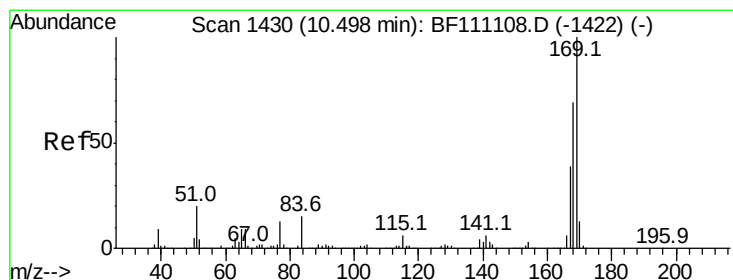
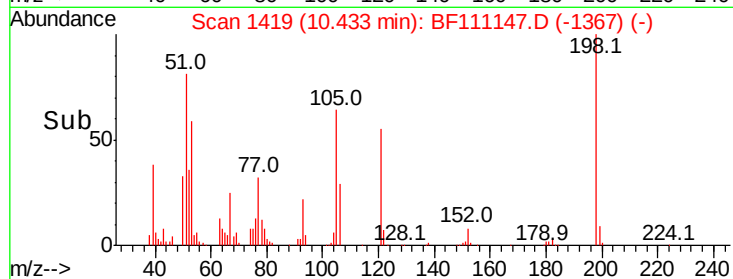
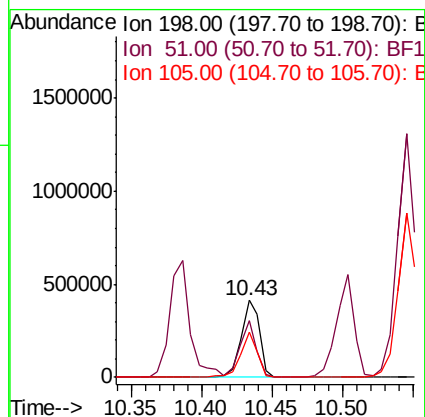
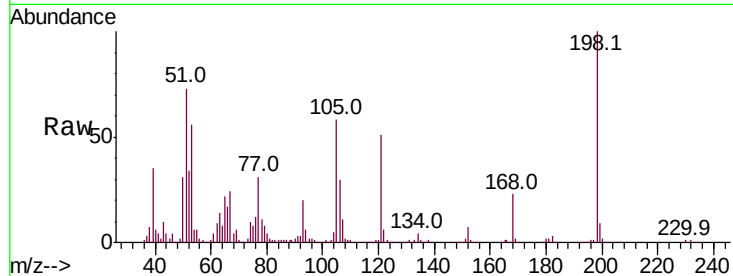
Time-->



#65
4,6-Dinitro-2-methylphenol
Concen: 53.091 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

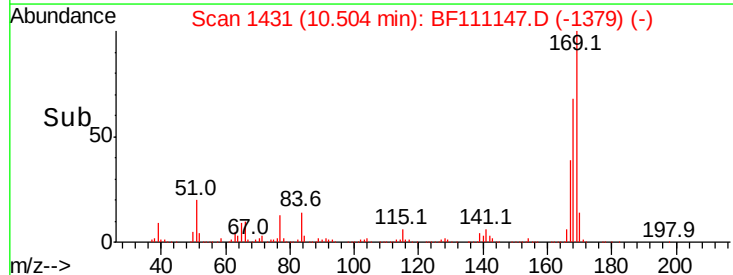
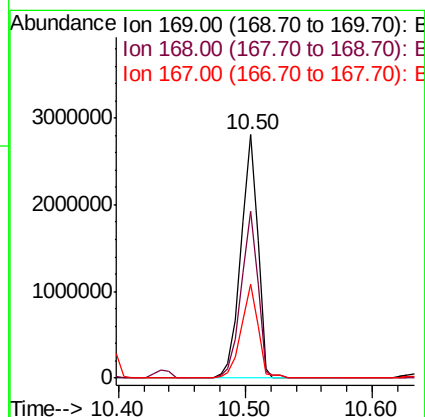
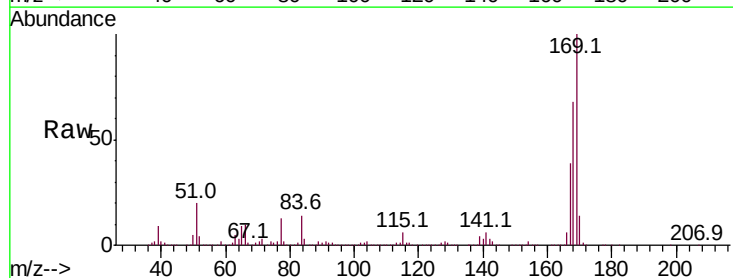
Instrument :
BNA_F
ClientSampleId :

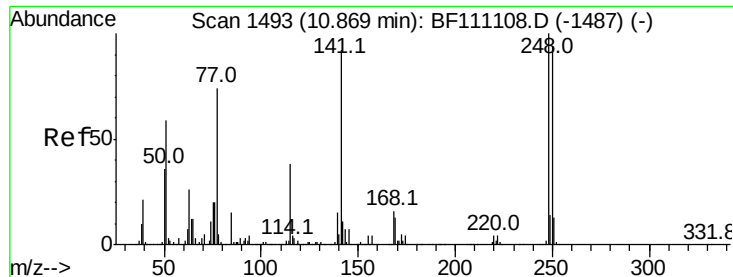
Tot Ion:198 Resp: 369369
Ion Ratio Lower Upper
198 100
51 73.5 48.8 88.8
105 57.8 35.2 75.2



#66
n-Nitrosodiphenylamine
Concen: 43.259 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:169 Resp: 2550810
Ion Ratio Lower Upper
169 100
168 68.3 55.4 83.2
167 38.6 31.1 46.7

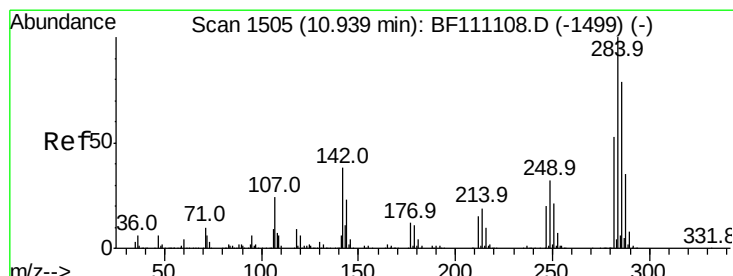
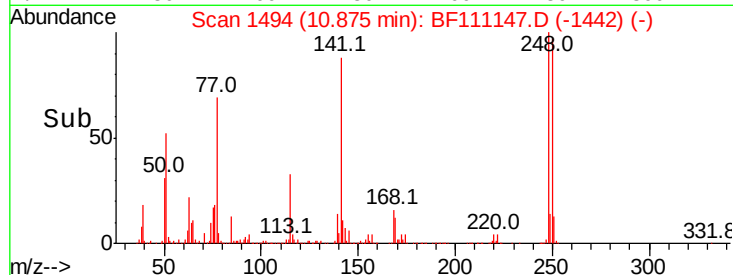
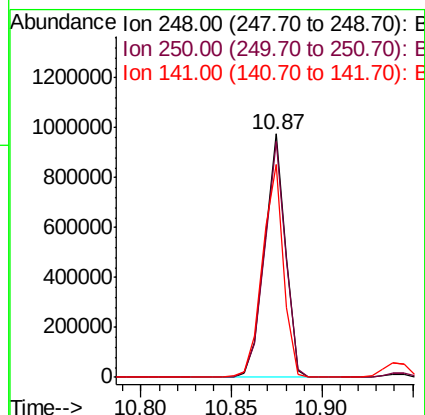
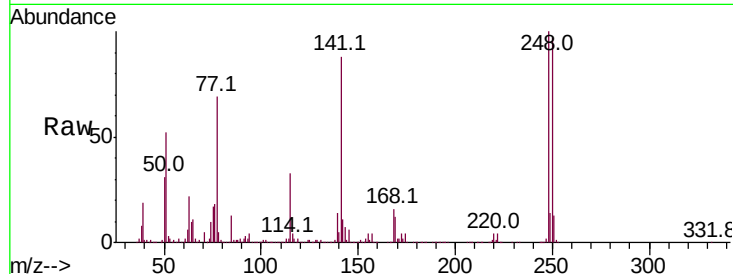




#67
4-Bromophenyl-phenylether
Concen: 44.031 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

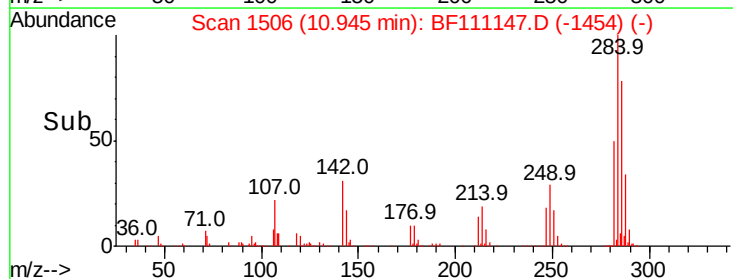
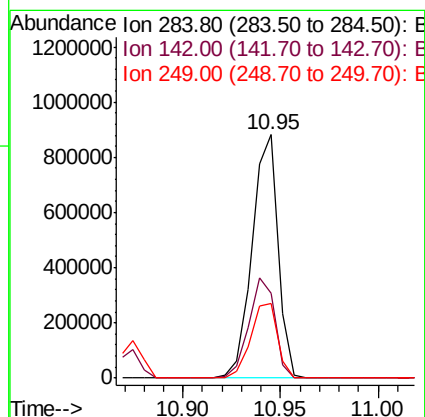
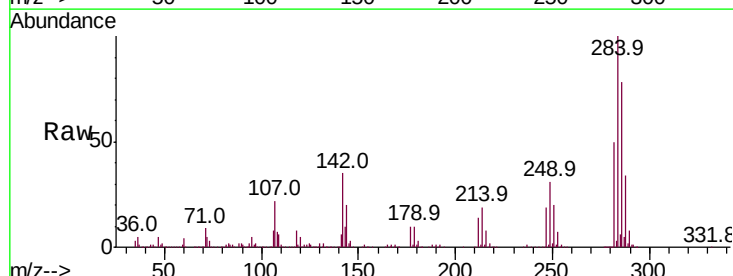
Instrument :
BNA_F
ClientSampleId :

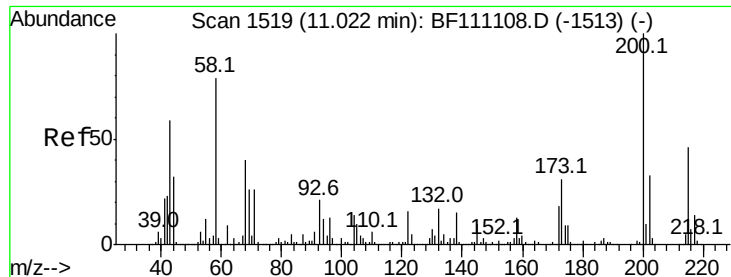
Tot Ion:248 Resp: 784908
Ion Ratio Lower Upper
248 100
250 97.1 75.4 113.0
141 87.6 73.8 110.6



#68
Hexachlorobenzene
Concen: 44.459 ng
RT: 10.95 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:284 Resp: 810384
Ion Ratio Lower Upper
284 100
142 35.1 30.2 45.2
249 30.6 25.3 37.9

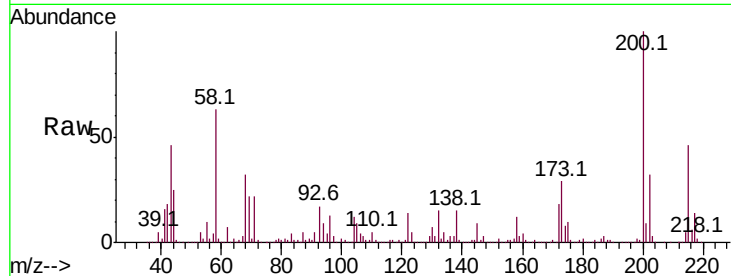




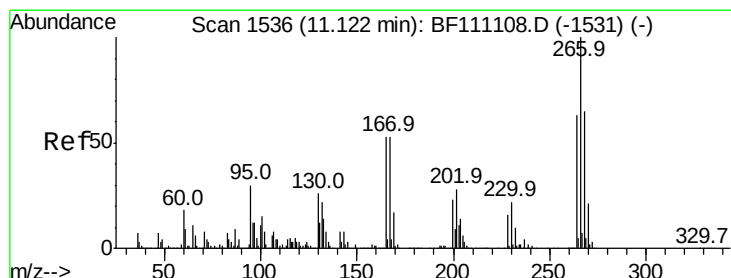
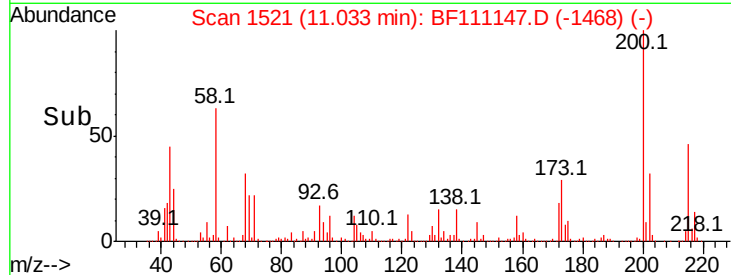
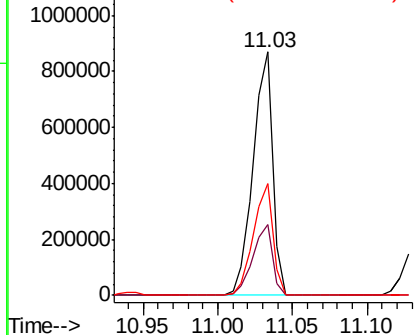
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1521
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:200 Resp: 785283
Ion Ratio Lower Upper
200 100
173 29.0 11.3 51.3
215 45.7 25.9 65.9

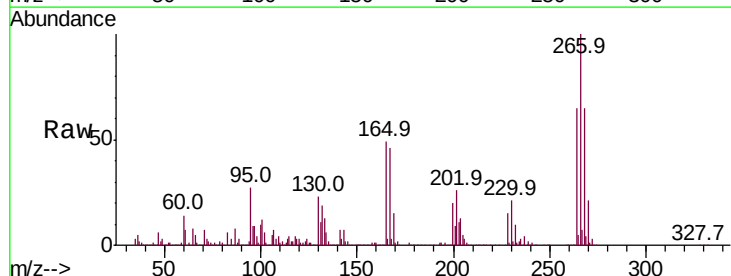


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

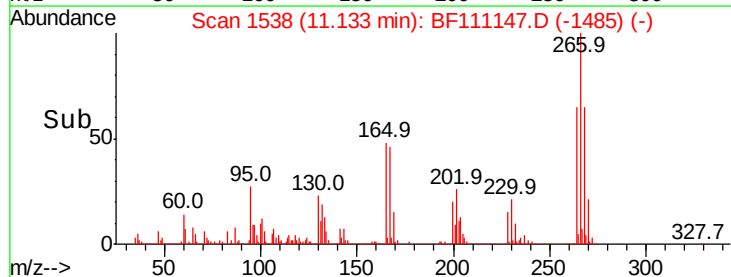
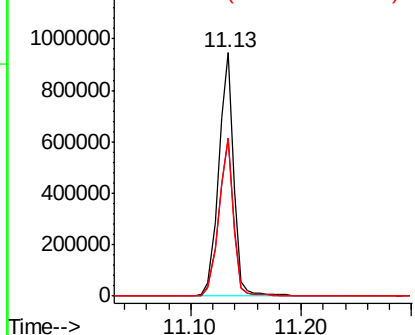


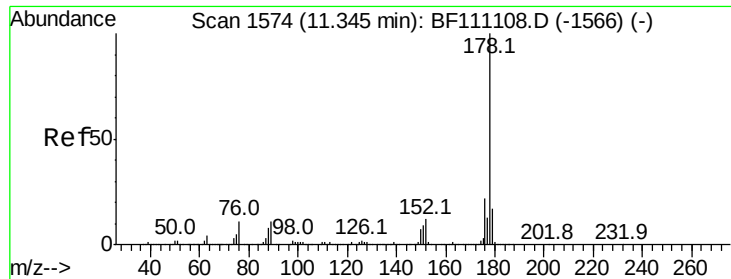
#70
Pentachlorophenol
Concen: 74.677 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:266 Resp: 895143
Ion Ratio Lower Upper
266 100
268 65.0 52.2 78.4
264 65.0 50.8 76.2



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

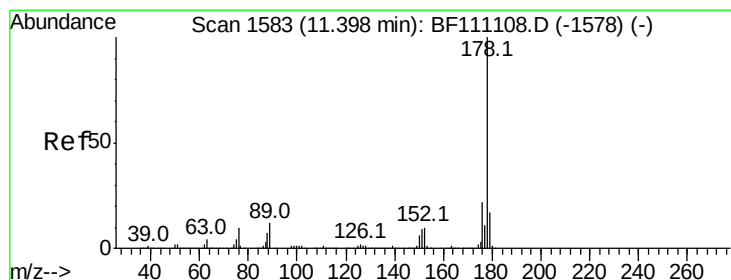
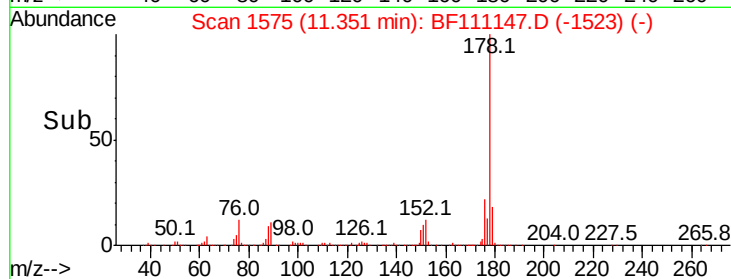
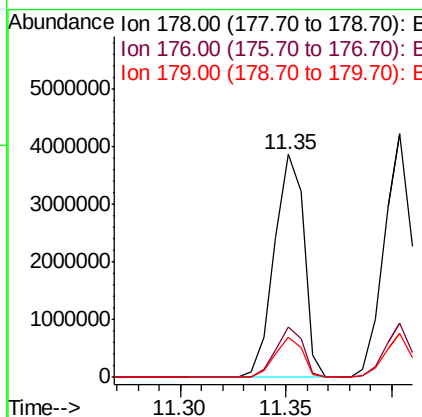
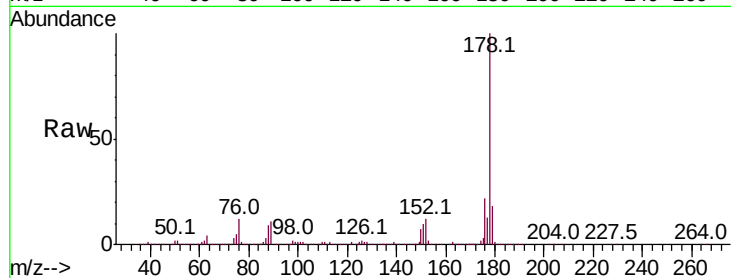




#71
Phenanthrene
Concen: 46.777 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

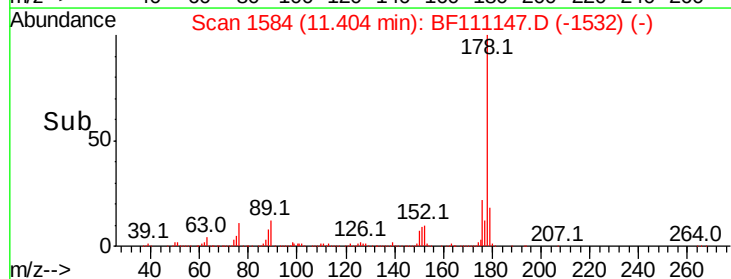
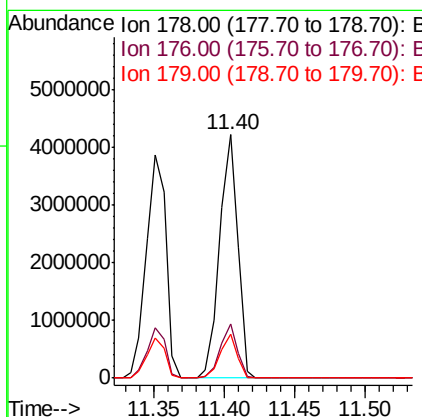
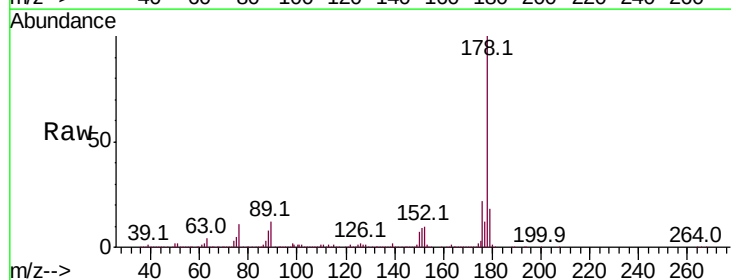
Instrument :
BNA_F
ClientSampleId :

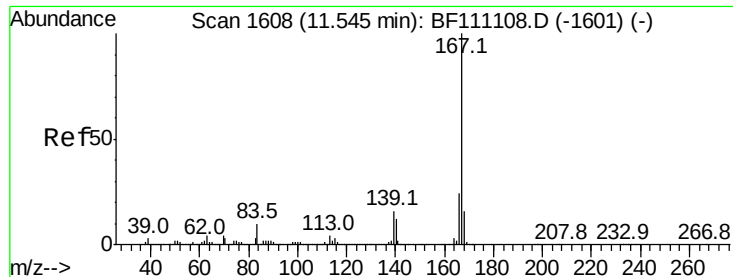
Tot Ion:178 Resp: 3789114
Ion Ratio Lower Upper
178 100
176 22.5 17.7 26.5
179 17.7 14.0 21.0



#72
Anthracene
Concen: 46.609 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:178 Resp: 3805700
Ion Ratio Lower Upper
178 100
176 22.5 17.3 25.9
179 18.2 13.8 20.8



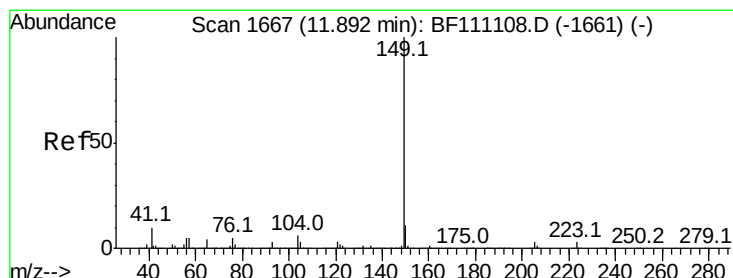
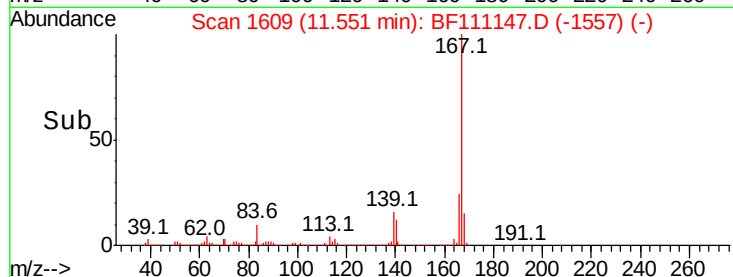
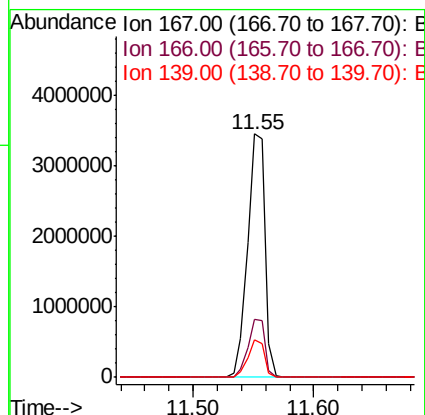
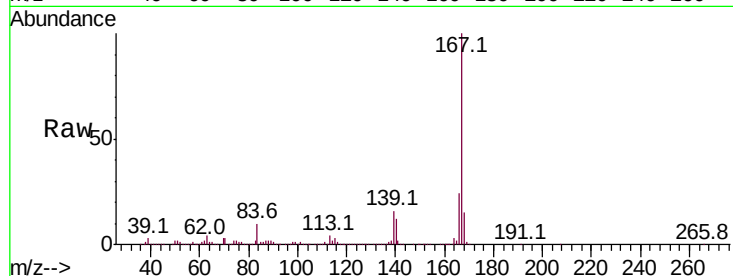


#73
 Carbazole
 Concen: 41.283 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 3507487

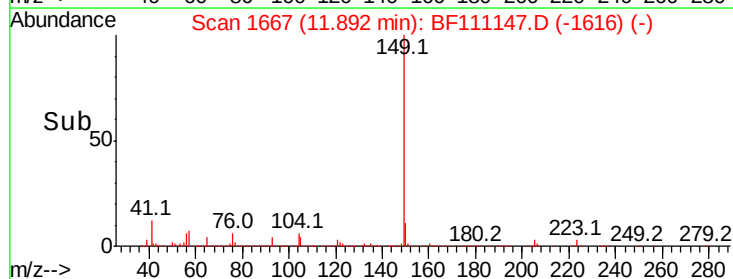
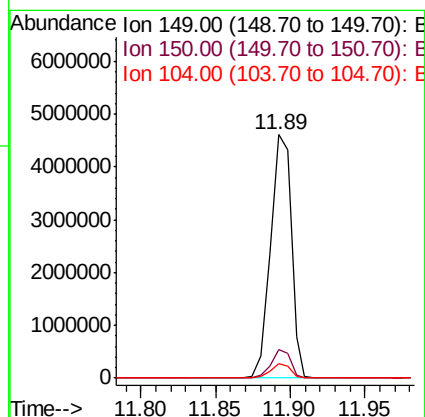
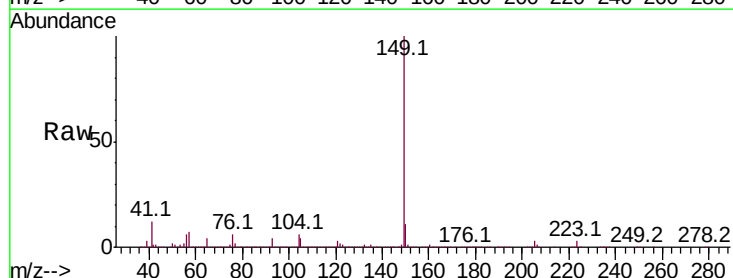
Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.4	29.0
139	15.6	12.6	18.8

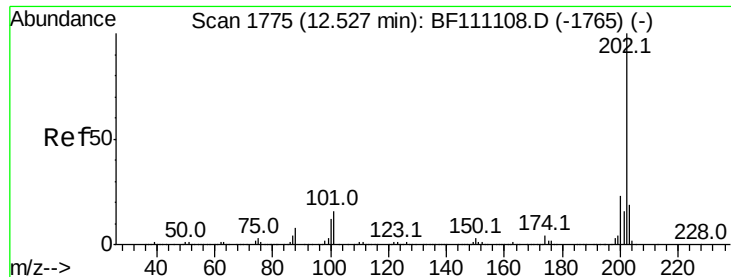


#74
 Di-n-butylphthalate
 Concen: 44.538 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF111147.D
 Acq: 6 Dec 2018 19:27

Tgt Ion:149 Resp: 4429543

Ion	Ratio	Lower	Upper
149	100		
150	11.5	8.6	12.8
104	6.2	4.5	6.7





#75

Fluoranthene

Concen: 44.192 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

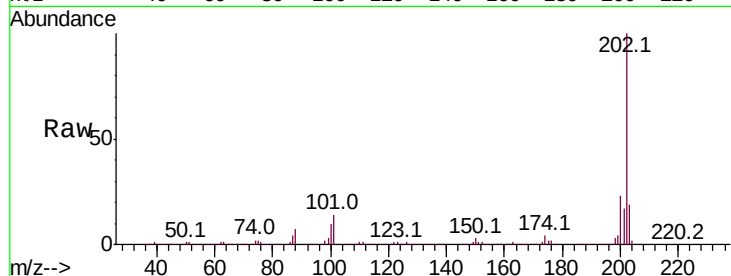
Tot Ion:202 Resp: 3502903

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.8

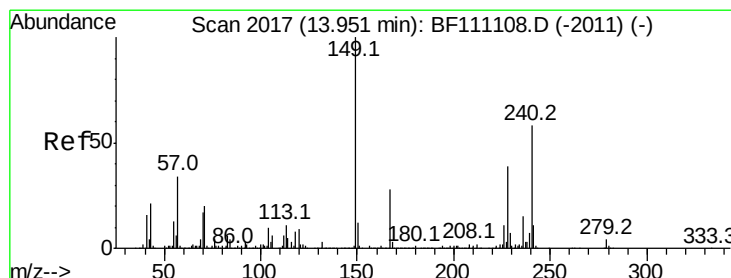
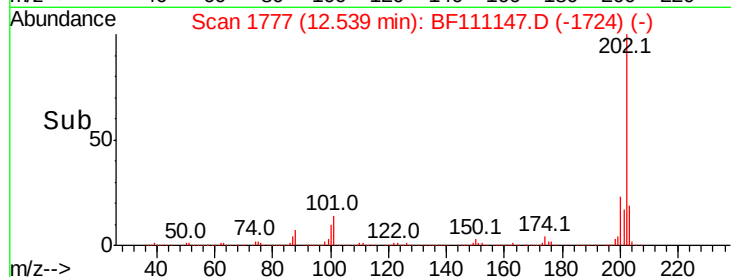
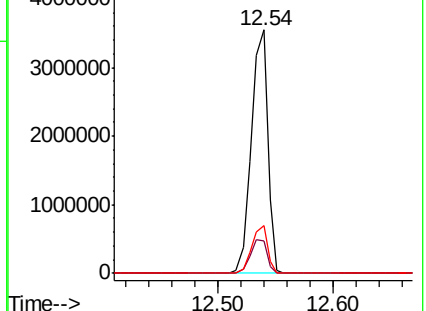
203 19.4 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

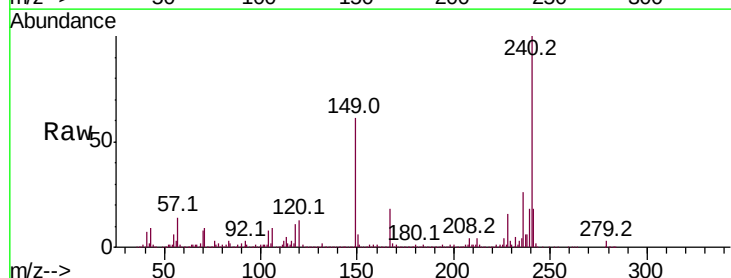
Tgt Ion:240 Resp: 850603

Ion Ratio Lower Upper

240 100

120 12.7 12.8 19.2#

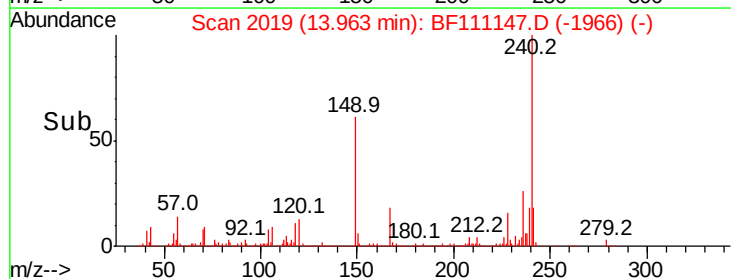
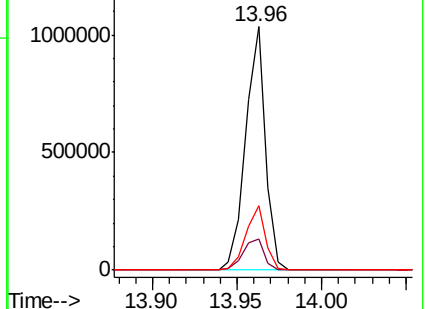
236 26.3 21.1 31.7

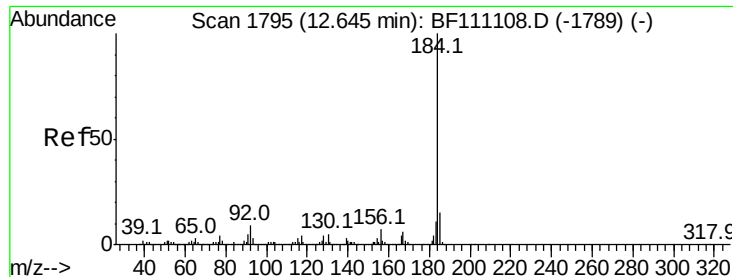


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.638 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampleId :

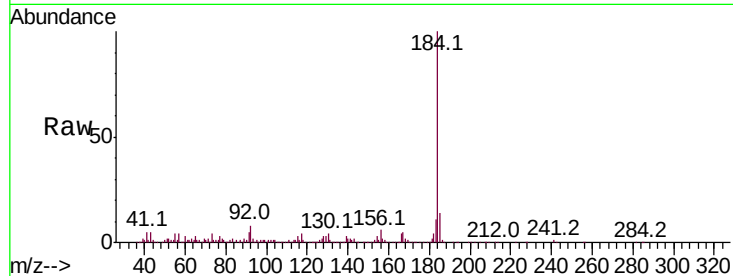
Tot Ion:184 Resp: 556195

Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

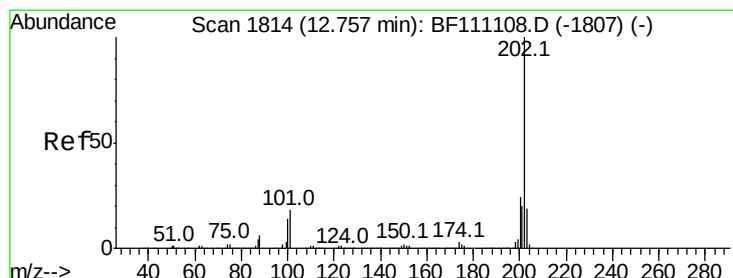
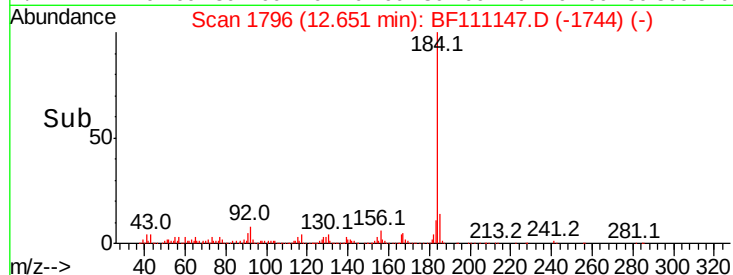
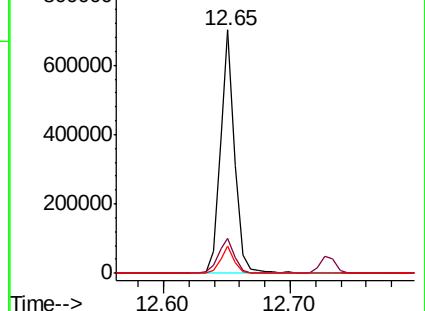
183 11.4 8.9 13.3



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: 51.512 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

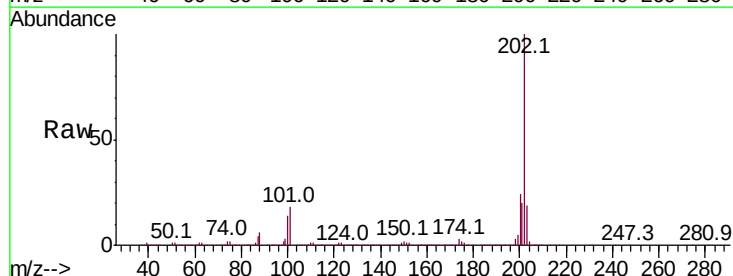
Tgt Ion:202 Resp: 3413630

Ion Ratio Lower Upper

202 100

200 23.8 19.3 28.9

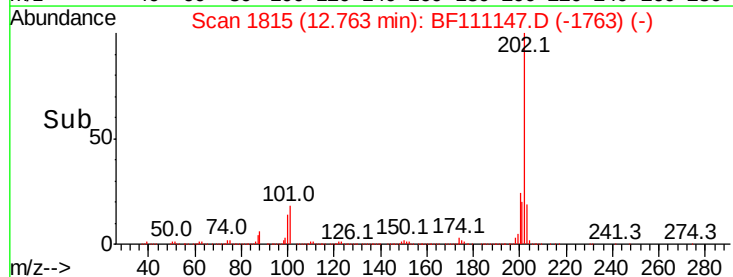
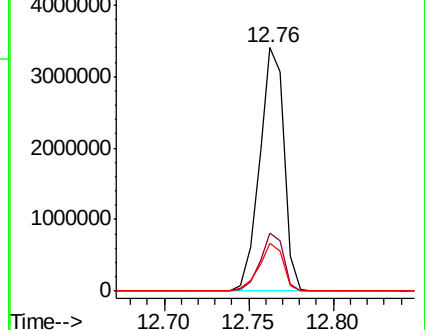
203 19.4 15.4 23.2

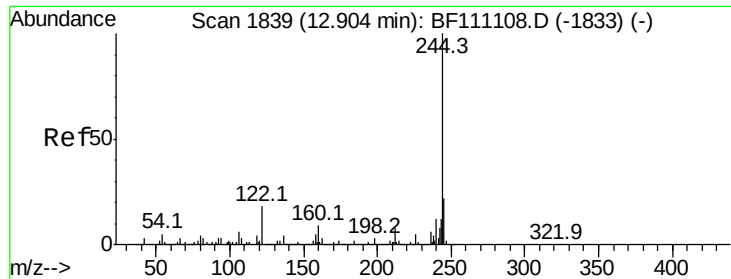


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 99.497 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

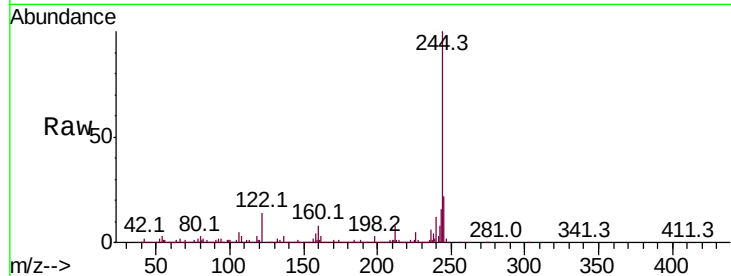
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 4132449

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.6	9.8
122	13.9	14.2	21.2#

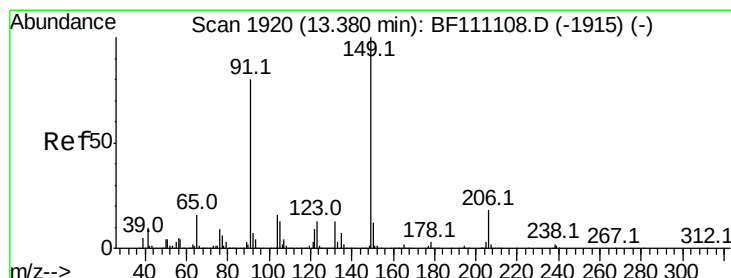
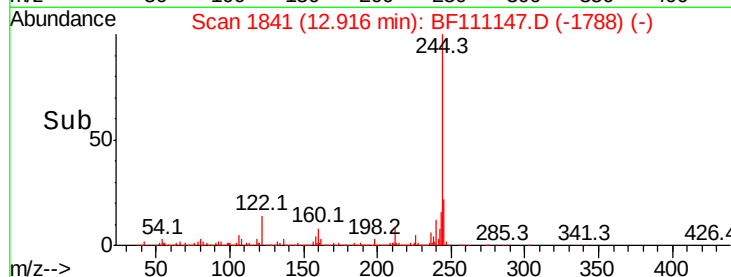
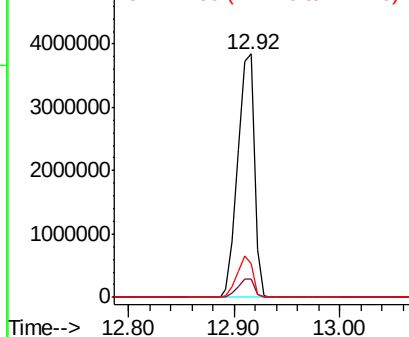


Abundance

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: 52.085 ng

RT: 13.39 min Scan# 1921

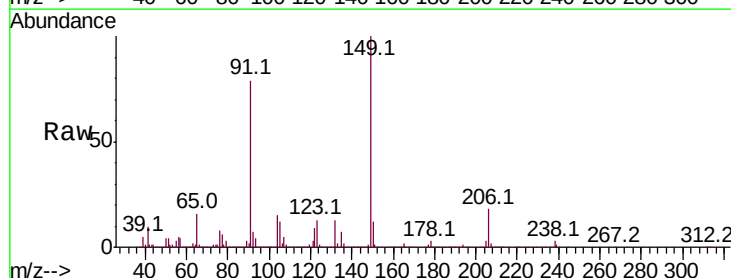
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:149 Resp: 1667413

Ion	Ratio	Lower	Upper
149	100		
91	79.4	64.0	96.0
206	18.1	14.1	21.1

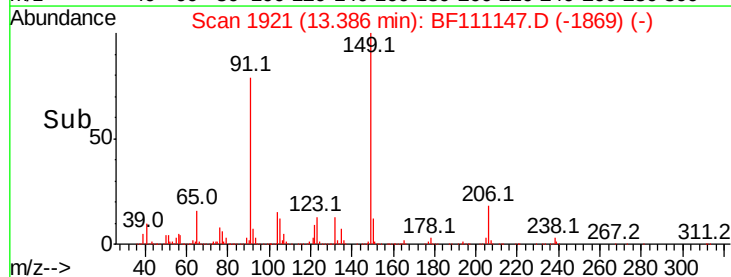
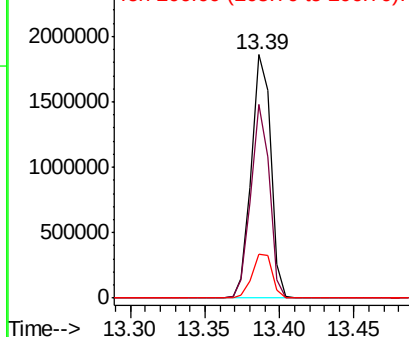


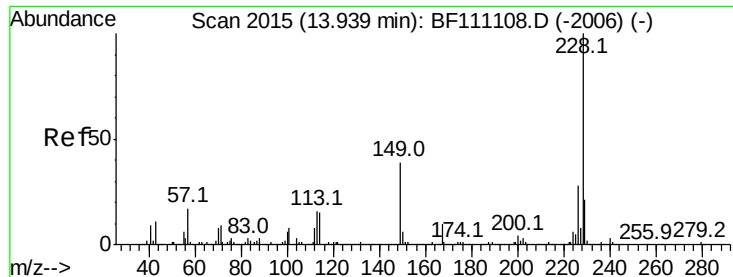
Abundance

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

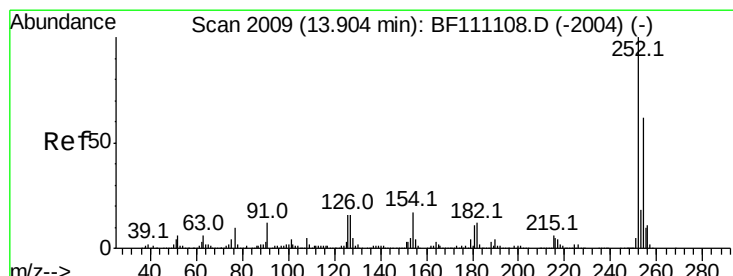
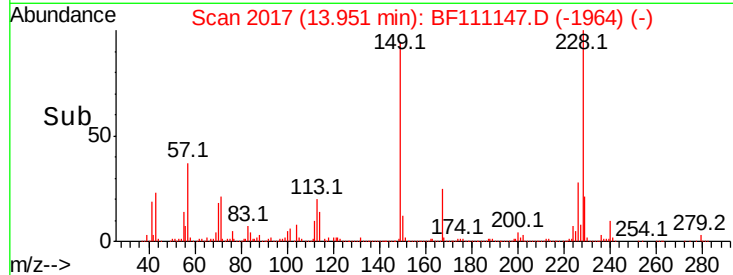
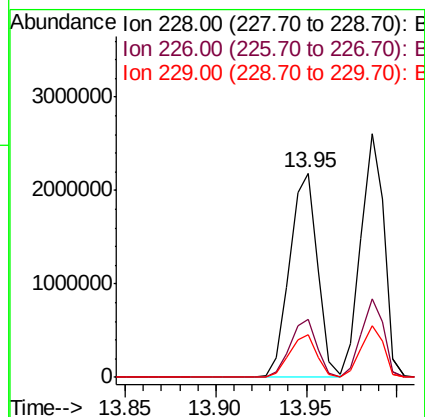
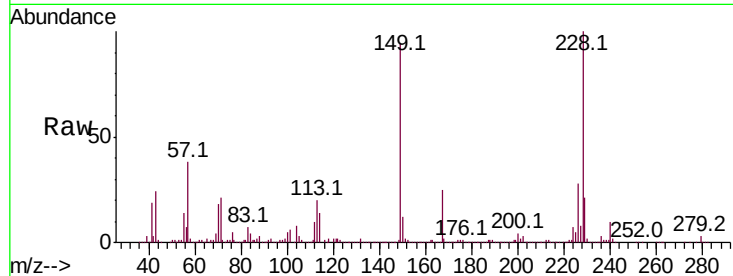




#81
Benzo(a)anthracene
Concen: 47.341 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

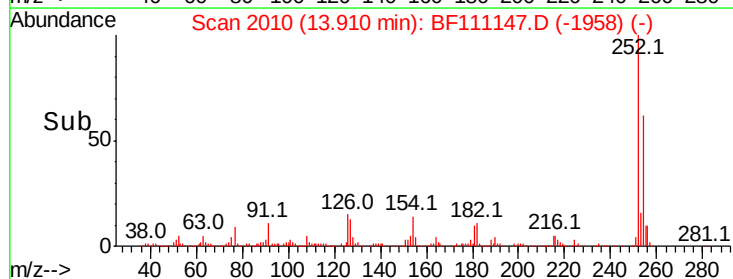
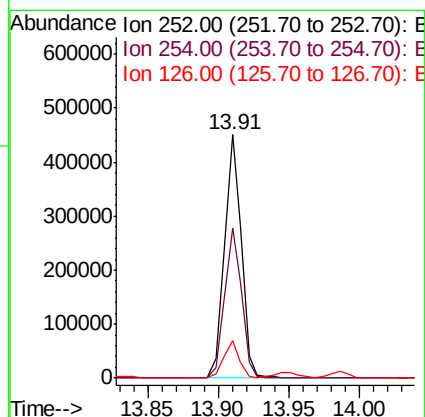
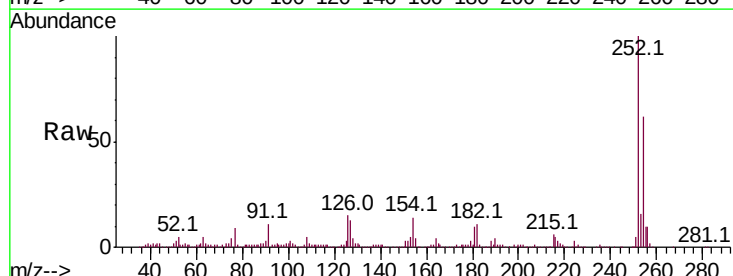
Instrument :
BNA_F
ClientSampleId :

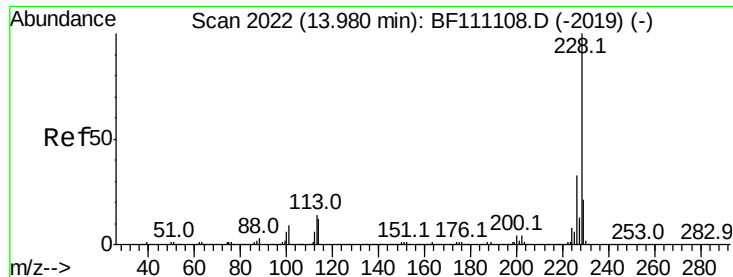
Tot Ion:228 Resp: 2359343
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 20.8 16.7 25.1



#82
3,3'-Dichlorobenzidine
Concen: 19.791 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:252 Resp: 372221
Ion Ratio Lower Upper
252 100
254 61.8 49.8 74.8
126 15.3 12.9 19.3





#83

Chrysene

Concen: 46.931 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

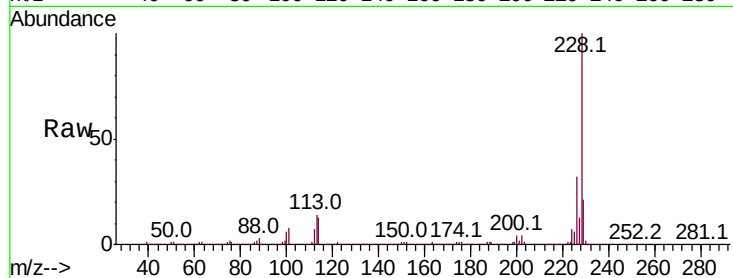
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 2321920

Ion	Ratio	Lower	Upper
228	100		
226	32.2	26.2	39.2
229	21.1	16.9	25.3

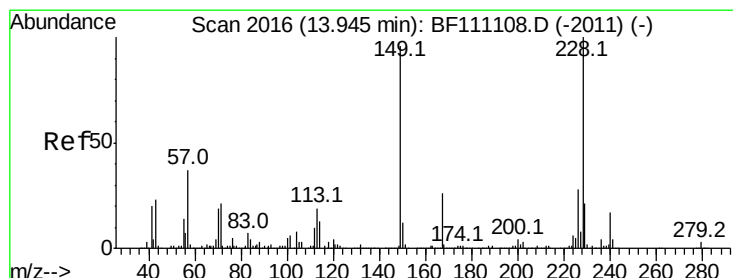
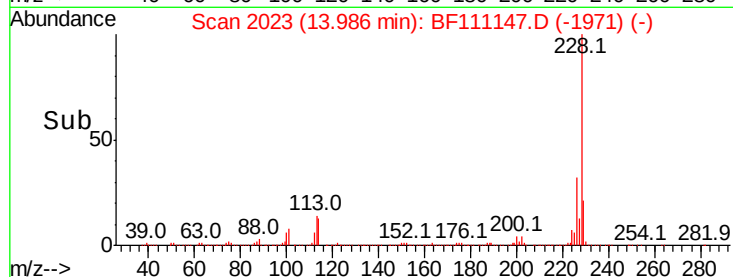
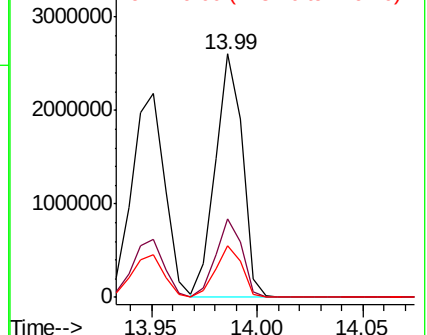


Abundance

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: 52.455 ng

RT: 13.96 min Scan# 2018

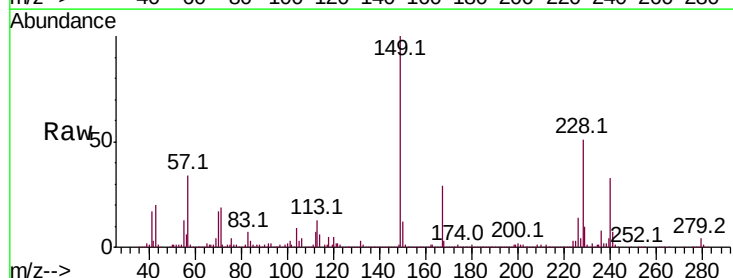
Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:149 Resp: 2028359

Ion	Ratio	Lower	Upper
149	100		
167	28.6	21.6	32.4
279	3.6	2.3	3.5#

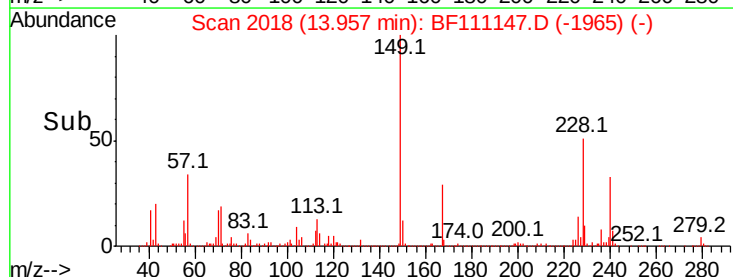
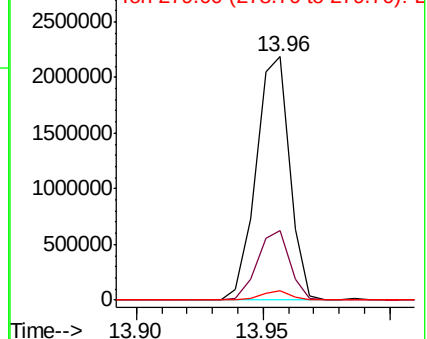


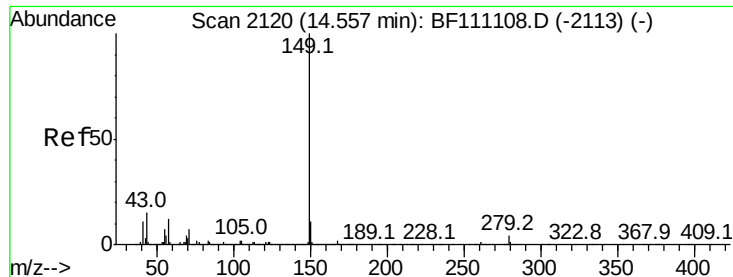
Abundance

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

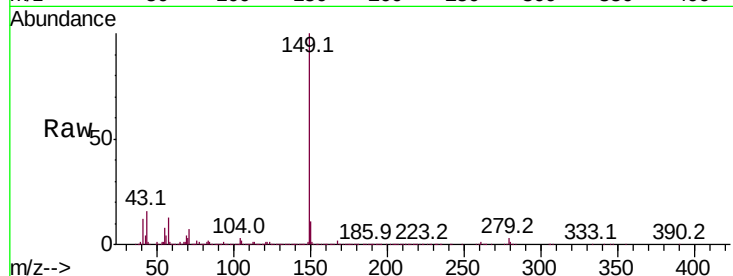




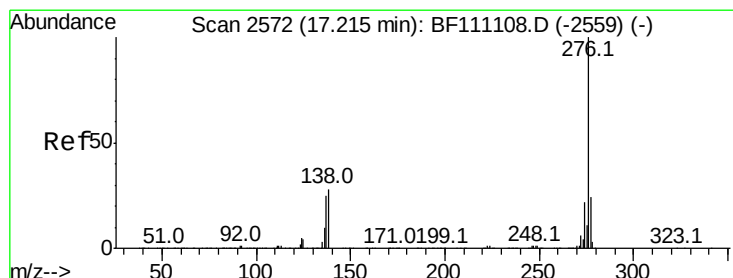
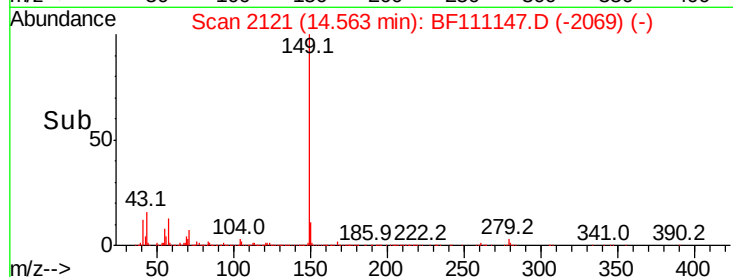
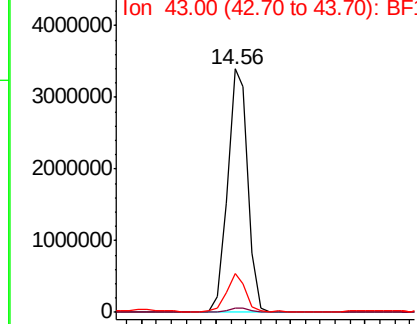
#85
Di-n-octyl phthalate
Concen: 53.387 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 3245303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 14.1 11.9 17.9

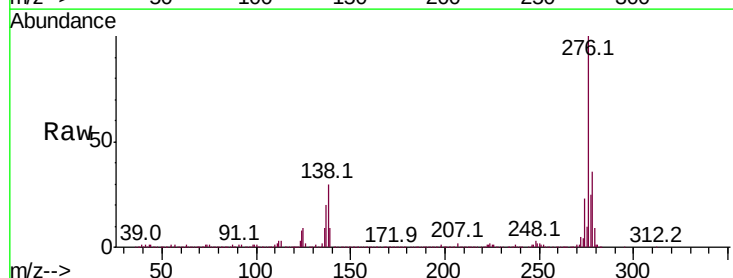


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

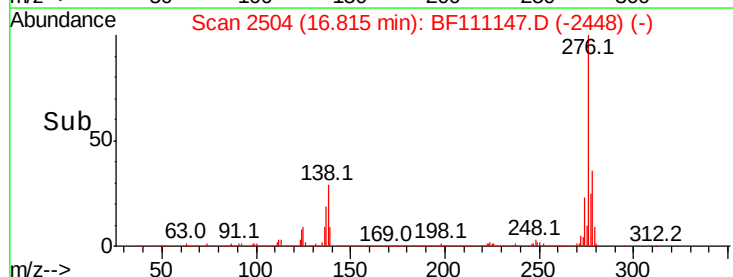
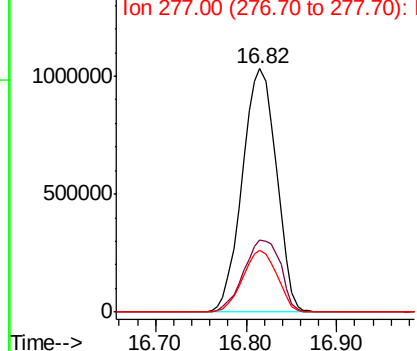


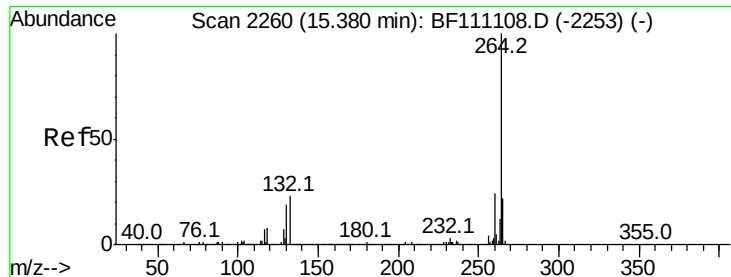
#86
Indeno(1,2,3-cd)pyrene
Concen: 68.071 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.03 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:276 Resp: 2704010
Ion Ratio Lower Upper
276 100
138 32.0 20.2 30.4#
277 25.4 15.8 23.6#



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: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Instrument :

BNA_F

ClientSampled :

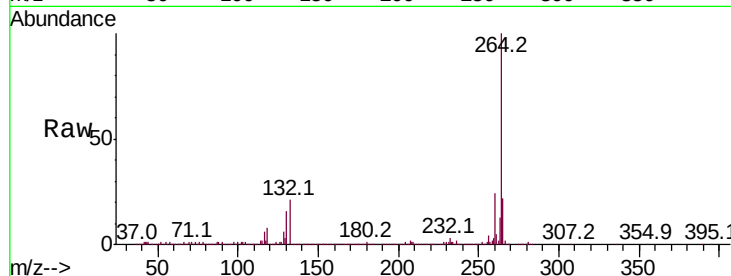
Tot Ion:264 Resp: 940258

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

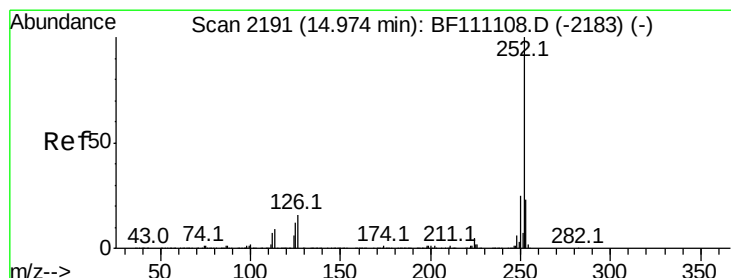
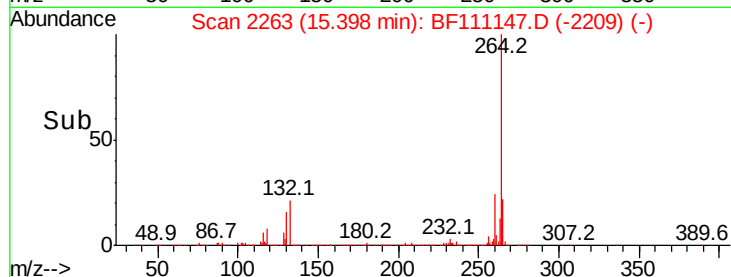
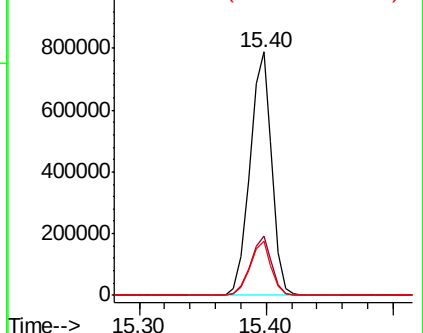
265 22.3 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.773 ng

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

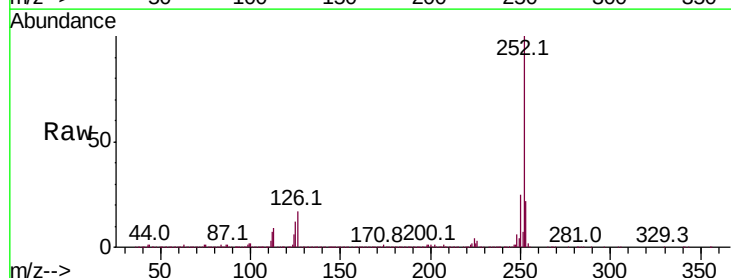
Tgt Ion:252 Resp: 2438766

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

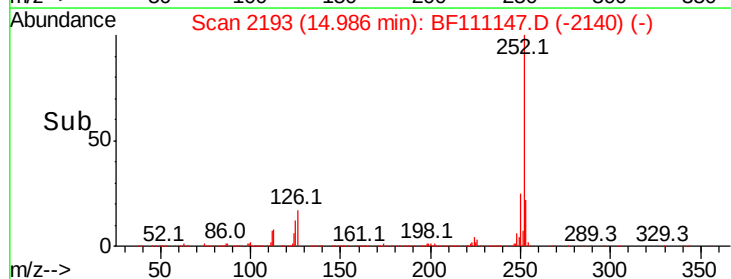
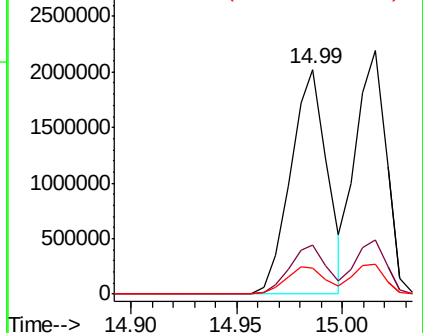
125 11.6 9.9 14.9

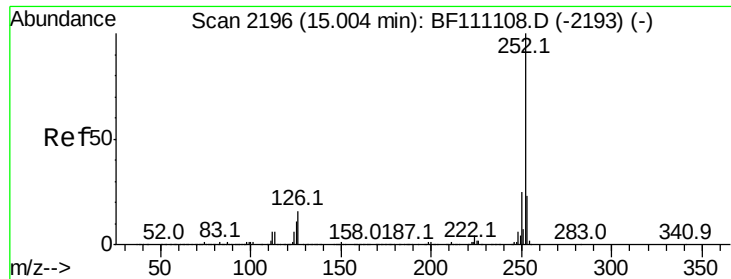


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

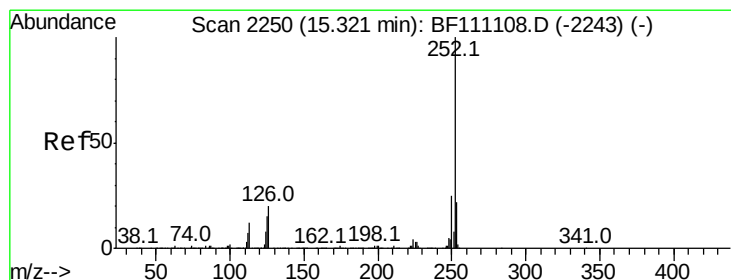
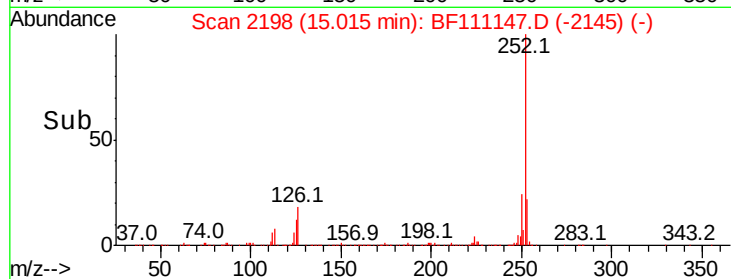
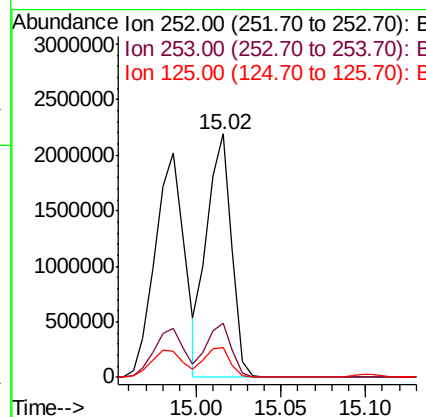
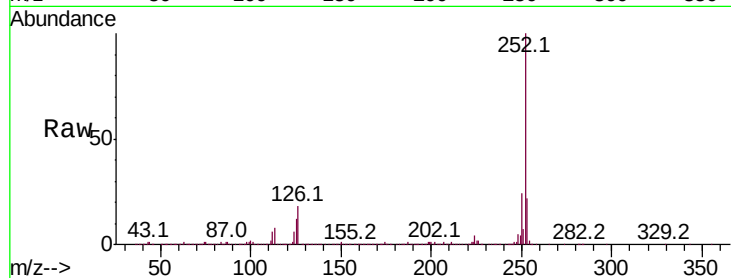




#89
Benzo(k)fluoranthene
Concen: 43.382 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

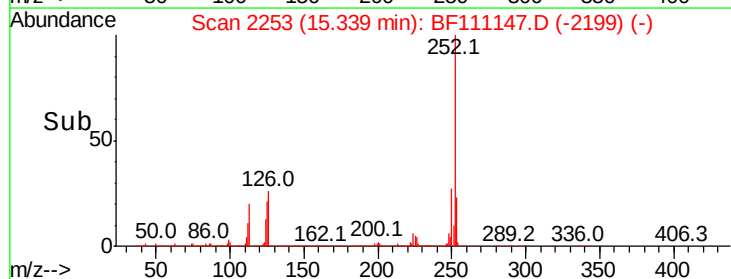
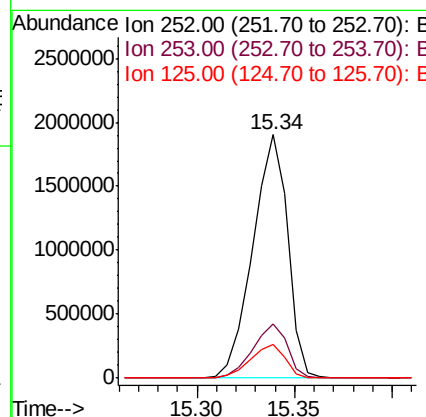
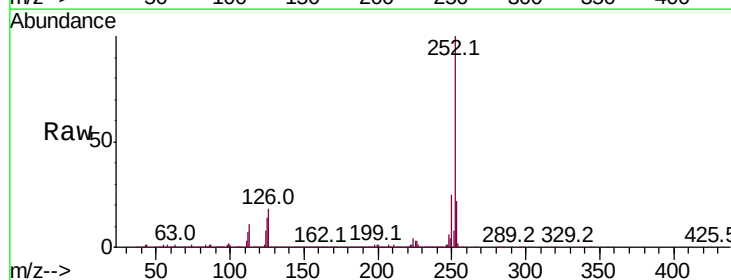
Instrument :
BNA_F
ClientSampled :

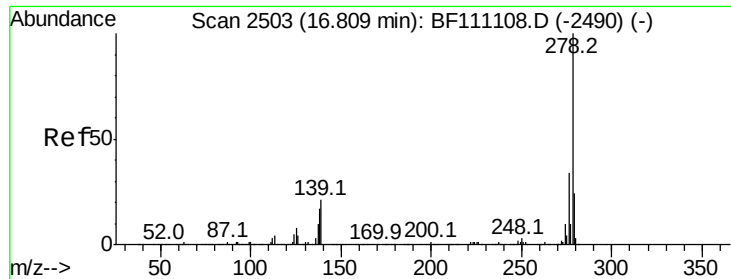
Tot Ion:252 Resp: 2234450
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 12.2 9.9 14.9



#90
Benzo(a)pyrene
Concen: 48.226 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF111147.D
Acq: 6 Dec 2018 19:27

Tgt Ion:252 Resp: 2356807
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.8 12.4 18.6





#91

Dibenzo(a,h)anthracene

Concen: 54.700 ng

RT: 16.83 min Scan# 2507

Delta R.T. 0.02 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

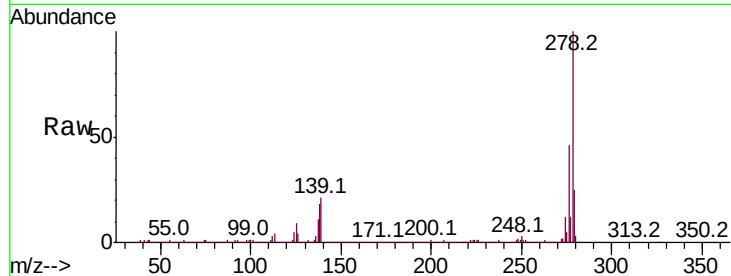
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 2243296

Ion	Ratio	Lower	Upper
278	100		
139	21.0	16.6	25.0
279	25.3	18.8	28.2

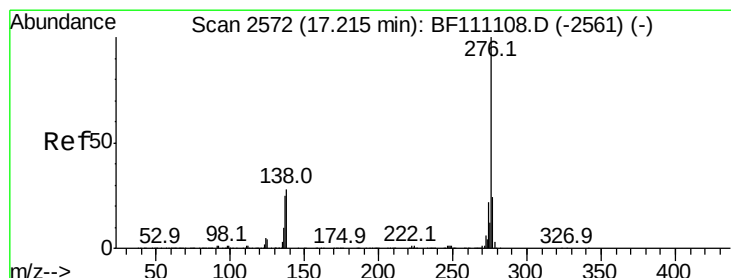
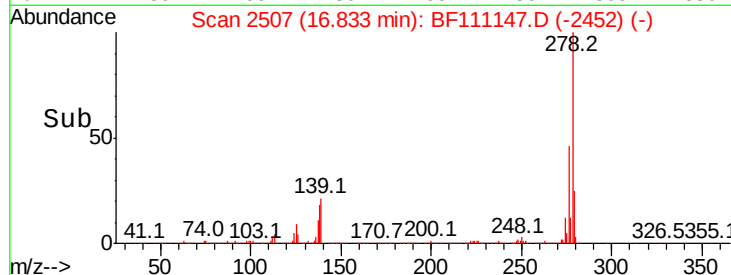
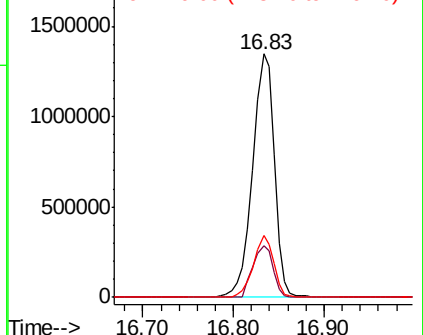


Abundance

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: 54.326 ng

RT: 17.24 min Scan# 2577

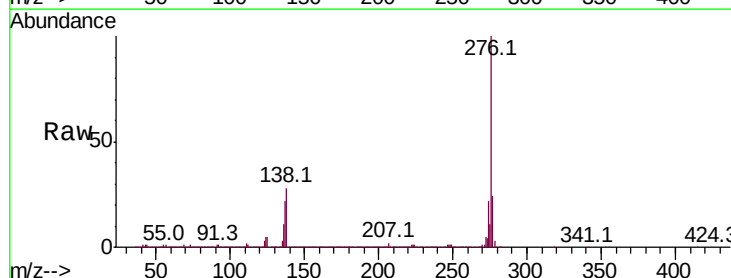
Delta R.T. 0.03 min

Lab File: BF111147.D

Acq: 6 Dec 2018 19:27

Tgt Ion:276 Resp: 2238885

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	27.7	22.3	33.5



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

