

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111495.D
 Acq On : 16 Dec 2018 5:08
 Operator : JU/SJ
 Sample : J6199-06MSD
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Quant Time: Dec 17 00:59:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141550	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	521577	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	198493	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	305683	20.00	ng	0.00
76) Chrysene-d12	13.95	240	266446	20.00	ng	0.00
87) Perylene-d12	15.39	264	178375	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1031969	121.32	ng	0.02
7) Phenol-d6	6.44	99	1150791	101.71	ng	0.00
23) Nitrobenzene-d5	7.36	82	872919	99.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	225022	126.55	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1478115	115.02	ng	0.00
79) Terphenyl-d14	12.90	244	1199950	105.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	130071	31.660	ng	# 82
3) Pyridine	3.36	79	301927	29.261	ng	93
4) n-Nitrosodimethylamine	3.27	42	200972	42.880	ng	82
6) Aniline	6.46	93	119496	8.514	ng	# 1
8) 2-Chlorophenol	6.59	128	394921	38.856	ng	96
9) Benzaldehyde	6.34	77	116095	16.916	ng	98
10) Phenol	6.45	94	378075	29.995	ng	95
11) bis(2-Chloroethyl)ether	6.53	93	375678	38.021	ng	98
12) 1,3-Dichlorobenzene	6.74	146	424362	37.930	ng	98
13) 1,4-Dichlorobenzene	6.82	146	429082	37.784	ng	97
14) 1,2-Dichlorobenzene	6.97	146	406187	38.020	ng	98
15) Benzyl Alcohol	6.94	79	320505	37.227	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	745497	38.642	ng	99
17) 2-Methylphenol	7.06	107	296052	36.194	ng	96
18) Hexachloroethane	7.31	117	140263	33.189	ng	92
19) n-Nitroso-di-n-propylamine	7.21	70	275361	36.887	ng	94
20) 3+4-Methylphenols	7.21	107	369372	36.000	ng	# 79
22) Acetophenone	7.20	105	554398	47.615	ng	# 90
24) Nitrobenzene	7.37	77	393004	43.985	ng	98
25) Isophorone	7.62	82	707218	47.720	ng	100
26) 2-Nitrophenol	7.69	139	170264	36.745	ng	98
27) 2,4-Dimethylphenol	7.73	122	326021	48.533	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	469270	45.867	ng	99
29) 2,4-Dichlorophenol	7.94	162	303012	42.255	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	313184	41.720	ng	97
31) Naphthalene	8.10	128	1119970	45.909	ng	97
32) Benzoic acid	7.83	122	110791	19.086	ng	93
33) 4-Chloroaniline	8.15	127	67607	6.232	ng	96
34) Hexachlorobutadiene	8.22	225	172039	41.597	ng	98
35) Caprolactam	8.50	113	60207	22.614	ng	99
36) 4-Chloro-3-methylphenol	8.64	107	292373	37.041	ng	94
37) 2-Methylnaphthalene	8.79	142	705724	42.751	ng	99
38) 1-Methylnaphthalene	8.89	142	657522	41.230	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	269726	49.550	ng	97

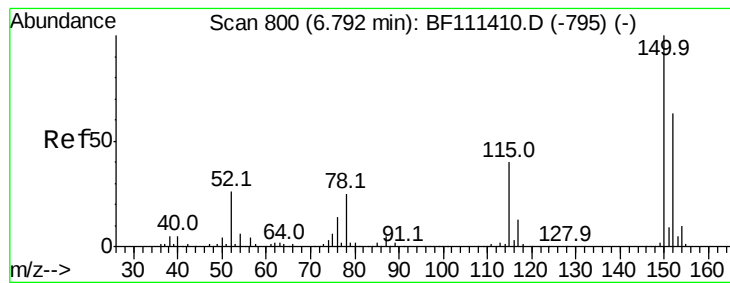
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	46913	16.786	nq	96
43) 2,4,6-Trichlorophenol	9.07	196	175727	45.612	nq	97
44) 2,4,5-Trichlorophenol	9.12	196	182362	44.482	nq	96
46) 1,1'-Biphenyl	9.25	154	789223	46.925	nq	94
47) 2-Chloronaphthalene	9.28	162	601753	47.070	nq	93
48) 2-Nitroaniline	9.37	65	187511	45.174	nq	98
49) Acenaphthylene	9.69	152	903457	47.610	nq	95
50) Dimethylphthalate	9.55	163	709804	49.654	nq	97
51) 2,6-Dinitrotoluene	9.61	165	133701	41.552	nq #	89
52) Acenaphthene	9.86	154	517925	43.183	nq	98
53) 3-Nitroaniline	9.78	138	87248	22.324	nq	90
54) 2,4-Dinitrophenol	9.89	184	3727	3.045	nq #	79
55) Dibenzofuran	10.03	168	767293	44.073	nq	97
56) 4-Nitrophenol	9.95	139	172647	63.832	nq	99
57) 2,4-Dinitrotoluene	10.02	165	162333	38.438	nq	95
58) Fluorene	10.38	166	577285	45.716	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.16	232	131334	41.001	nq	99
60) Diethylphthalate	10.25	149	658595	45.483	nq	97
61) 4-Chlorophenyl-phenylether	10.37	204	265293	42.941	nq	96
62) 4-Nitroaniline	10.39	138	145729	37.666	nq	94
63) Azobenzene	10.53	77	578583	40.530	nq	95
65) 4,6-Dinitro-2-methylphenol	10.42	198	6025	3.491	nq	97
66) n-Nitrosodiphenylamine	10.49	169	508430	48.232	nq	96
67) 4-Bromophenyl-phenylether	10.86	248	150186	45.585	nq	96
68) Hexachlorobenzene	10.93	284	144933	42.765	nq #	90
69) Atrazine	11.02	200	147023	48.261	nq	97
70) Pentachlorophenol	11.12	266	107333	51.636	nq	94
71) Phenanthrene	11.34	178	763918	48.499	nq	93
72) Anthracene	11.39	178	802545	49.821	nq	94
73) Carbazole	11.54	167	747567	44.878	nq	95
74) Di-n-butylphthalate	11.88	149	933191	50.302	nq #	95
75) Fluoranthene	12.53	202	822438	53.372	nq	96
77) Benzidine	12.64	184	362891	37.050	nq	97
78) Pyrene	12.76	202	854921	45.510	nq	95
80) Butylbenzylphthalate	13.37	149	416822	45.522	nq	91
81) Benzo(a)anthracene	13.94	228	692731	47.815	nq	97
82) 3,3'-Dichlorobenzidine	13.90	252	144368	24.512	nq	97
83) Chrysene	13.98	228	700227	45.880	nq	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	584718	49.996	nq	98
85) Di-n-octyl phthalate	14.54	149	1045241	52.985	nq	98
86) Indeno(1,2,3-cd)pyrene	16.81	276	442855	40.205	nq	94
88) Benzo(b)fluoranthene	14.97	252	545367	52.442	nq	97
89) Benzo(k)fluoranthene	15.00	252	475177	47.819	nq	97
90) Benzo(a)pyrene	15.33	252	460002	49.052	nq	98
91) Dibenzo(a,h)anthracene	16.82	278	375821	50.803	nq #	93
92) Benzo(g,h,i)perylene	17.23	276	370898	51.078	nq #	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

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BNA_F

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SU-04-121218-AMSD

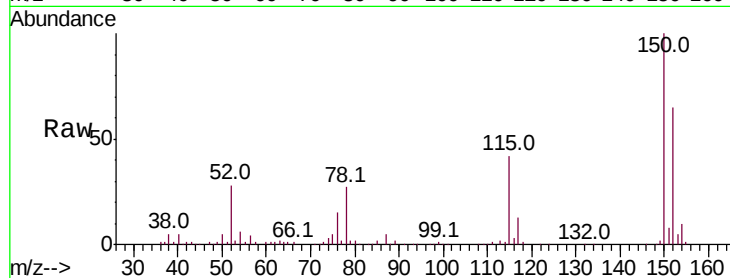
Tot Ion:152 Resp: 141550

Ion Ratio Lower Upper

152 100

150 153.6 126.6 189.8

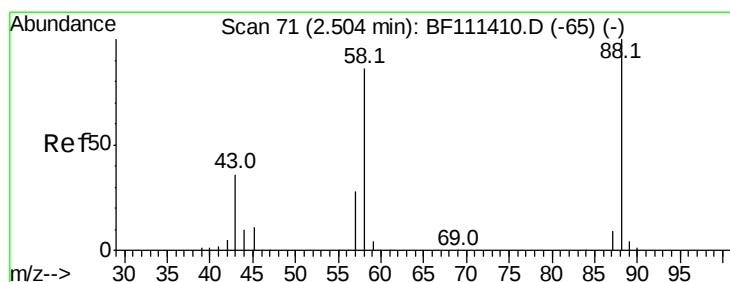
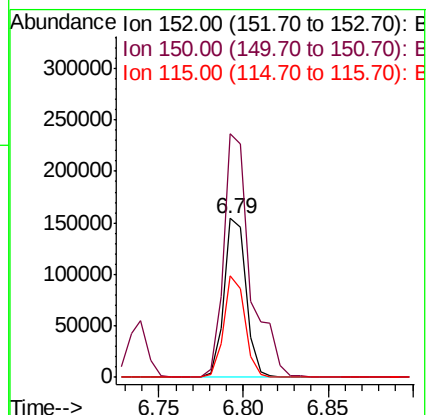
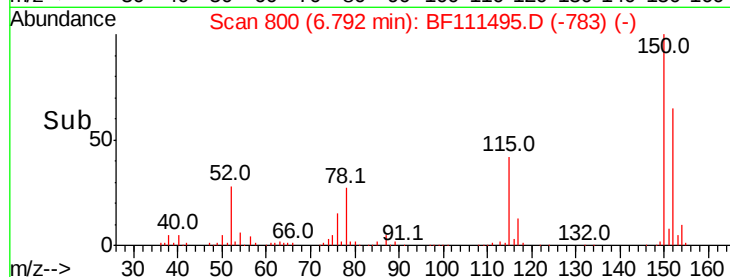
115 64.0 50.7 76.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 31.660 ng

RT: 2.66 min Scan# 97

Delta R.T. 0.15 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

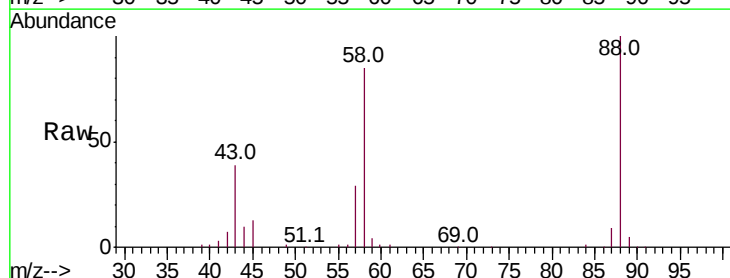
Tgt Ion: 88 Resp: 130071

Ion Ratio Lower Upper

88 100

58 89.0 68.9 103.3

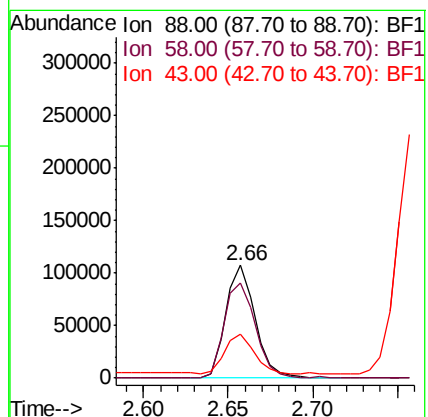
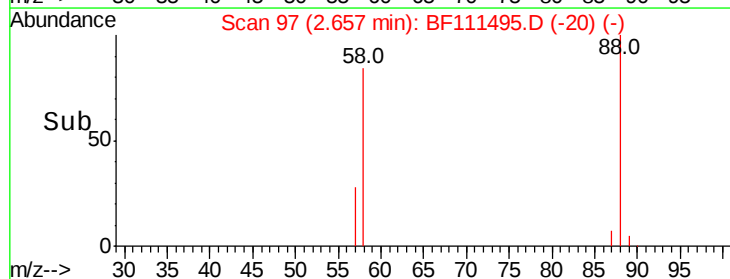
43 0.0 25.8 38.6#

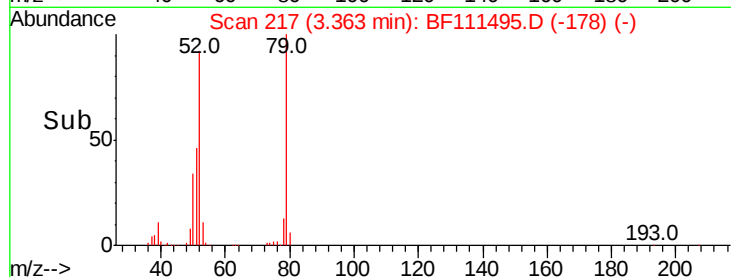
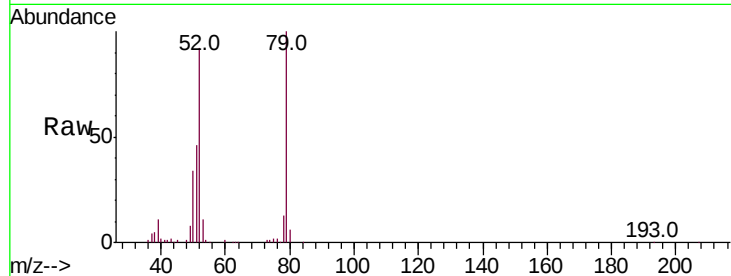
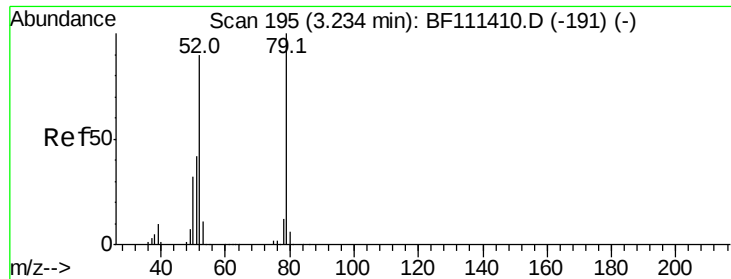


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

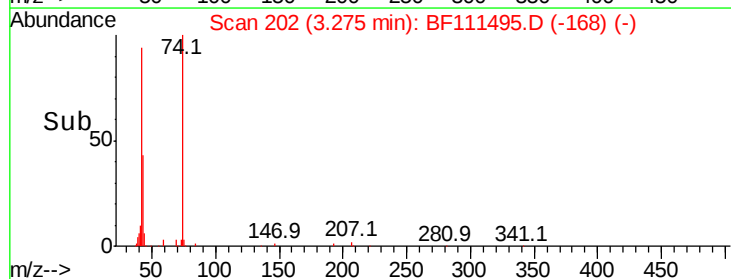
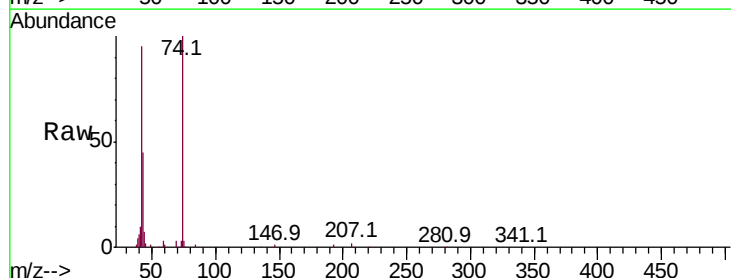
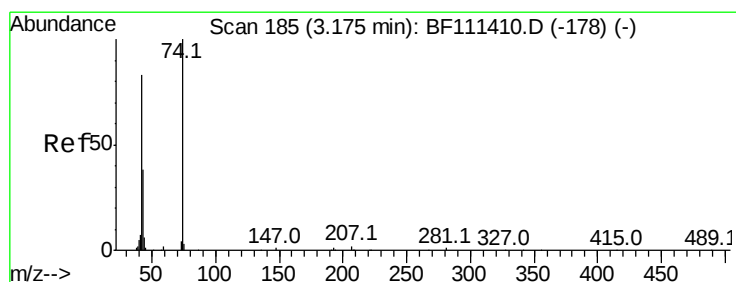
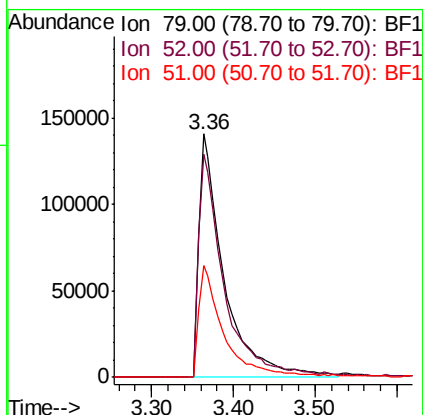




#3
Pvridine
Concen: 29.261 ng
RT: 3.36 min Scan# 217
Delta R.T. 0.13 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

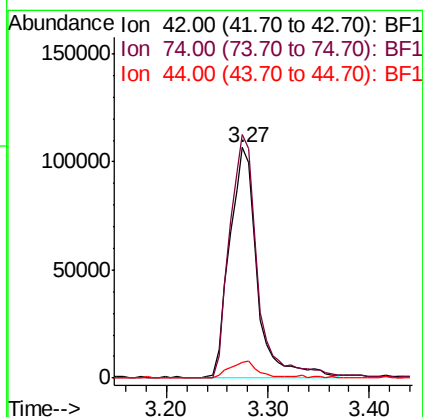
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

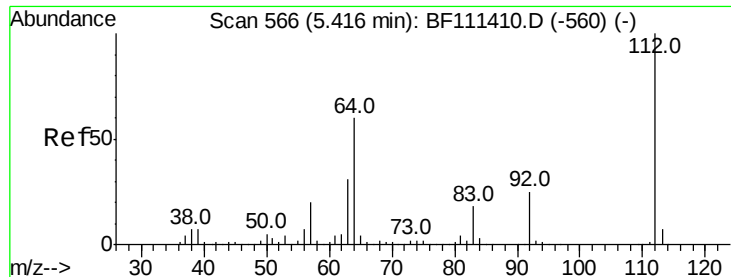
Tot Ion: 79 Resp: 301927
Ion Ratio Lower Upper
79 100
52 91.6 68.3 102.5
51 46.2 32.6 49.0



#4
n-Nitrosodimethylamine
Concen: 42.880 ng
RT: 3.27 min Scan# 202
Delta R.T. 0.10 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion: 42 Resp: 200972
Ion Ratio Lower Upper
42 100
74 105.5 101.5 152.3
44 7.0 6.0 9.0





#5

2-Fluorophenol

Concen: 121.318 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

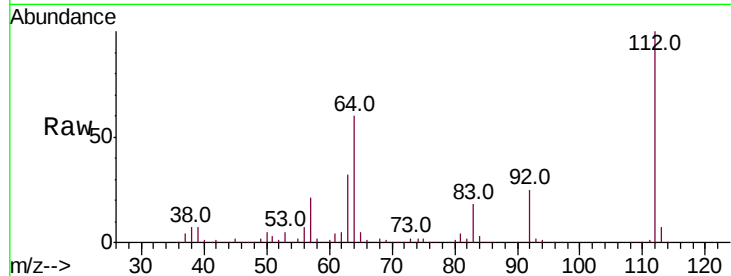
Tot Ion:112 Resp: 1031969

Ion Ratio Lower Upper

112 100

64 60.3 51.8 77.6

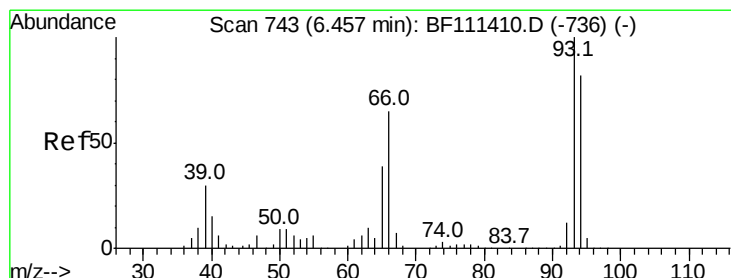
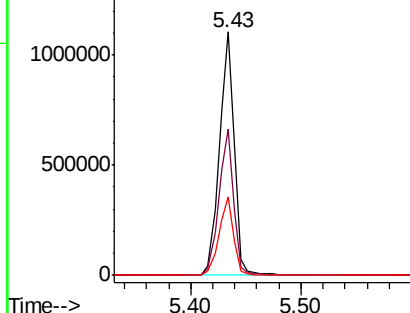
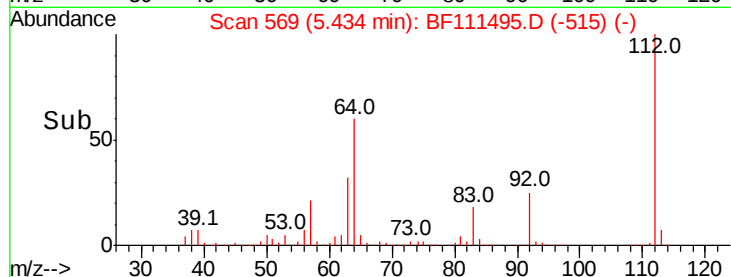
63 32.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.514 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

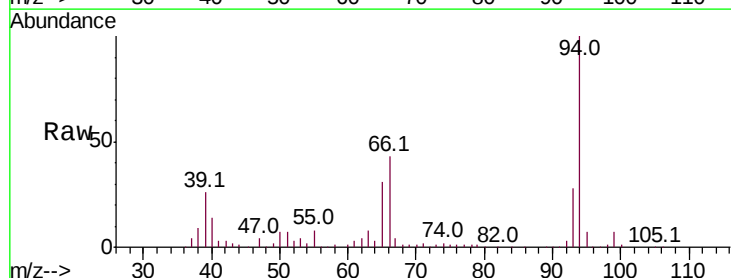
Tgt Ion: 93 Resp: 119496

Ion Ratio Lower Upper

93 100

66 156.3 33.2 49.8#

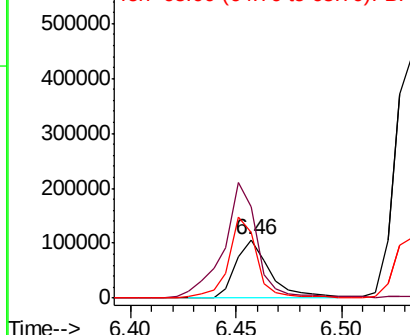
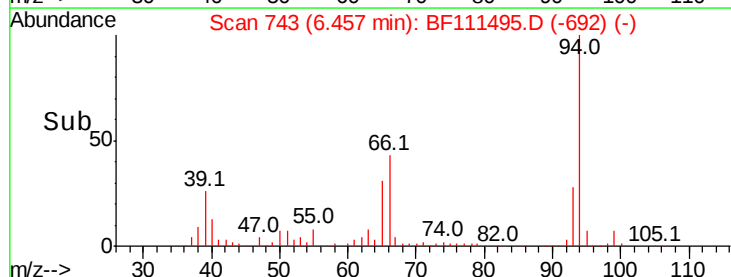
65 113.0 17.0 25.4#

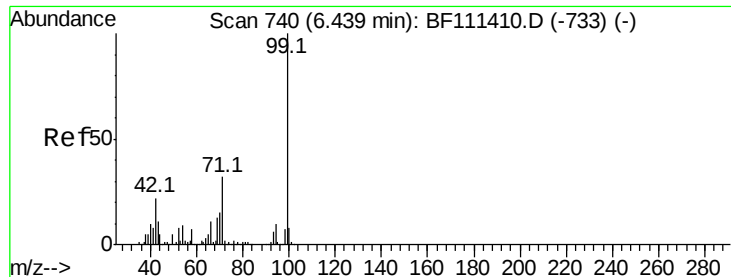


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 101.706 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

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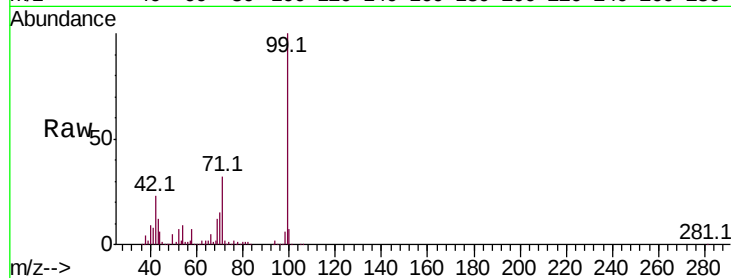
Tot Ion: 99 Resp: 1150791

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

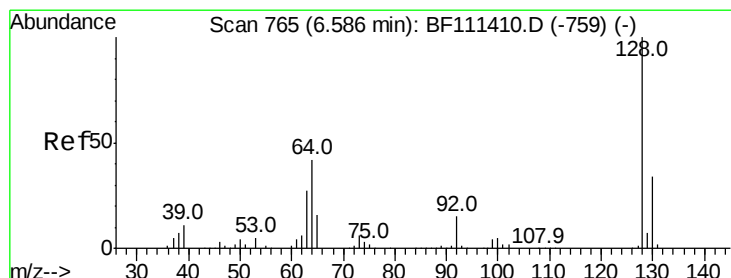
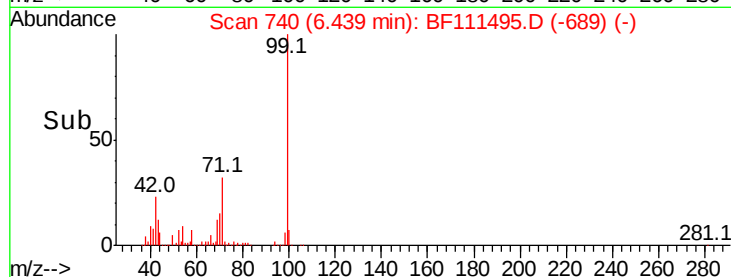
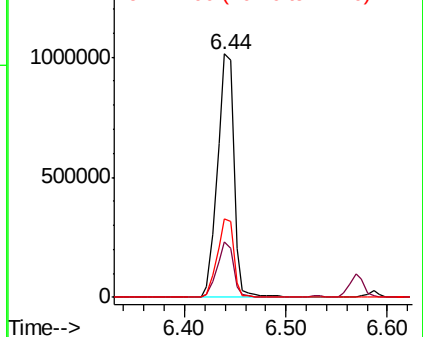
71 32.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.856 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

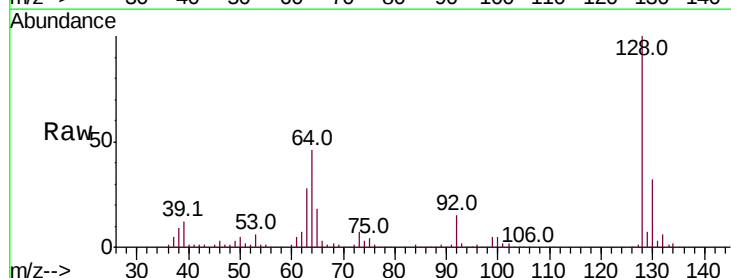
Tgt Ion:128 Resp: 394921

Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

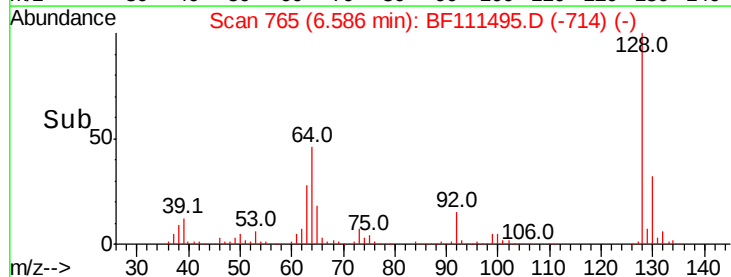
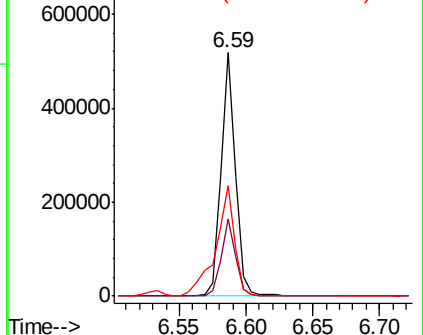
64 45.6 30.0 70.0

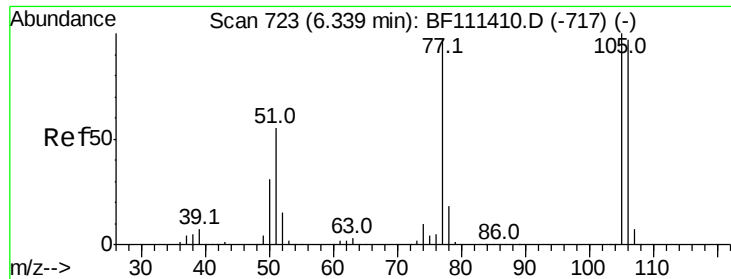


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

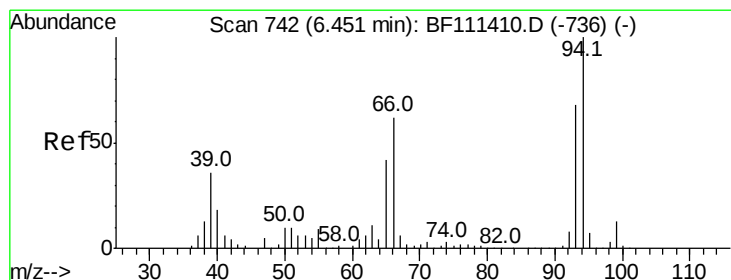
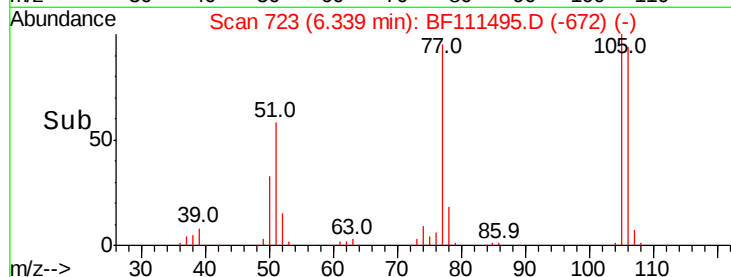
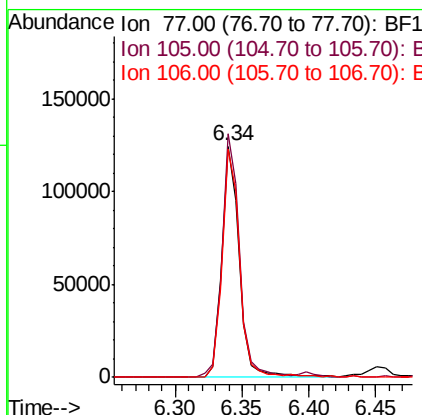
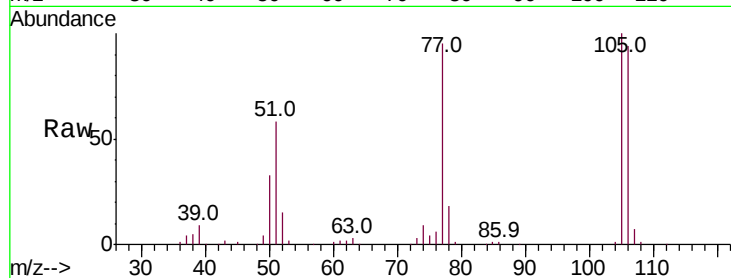




#9
Benzaldehyde
Concen: 16.916 ng
RT: 6.34 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

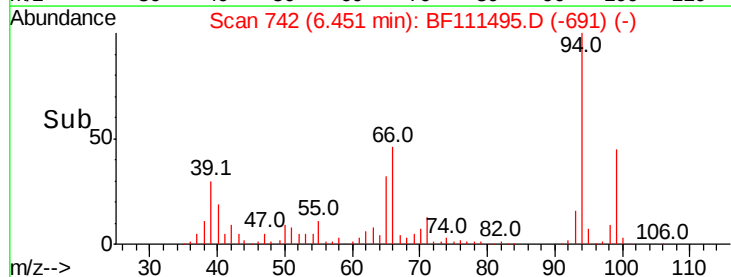
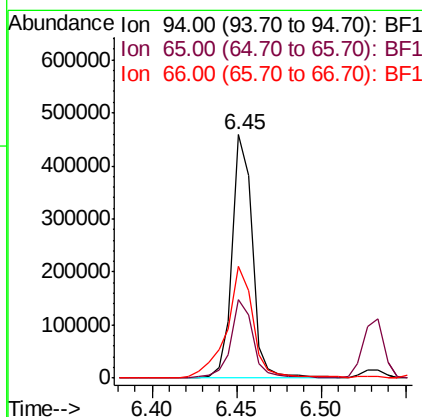
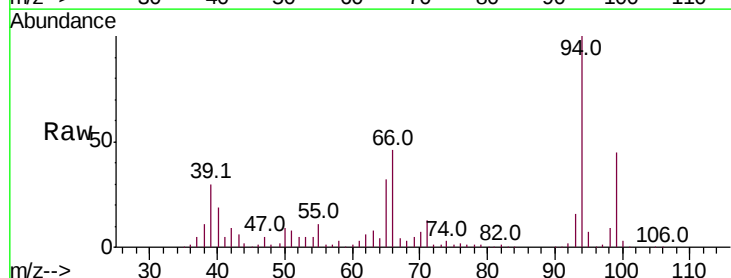
Instrument :
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ClientSampleId :
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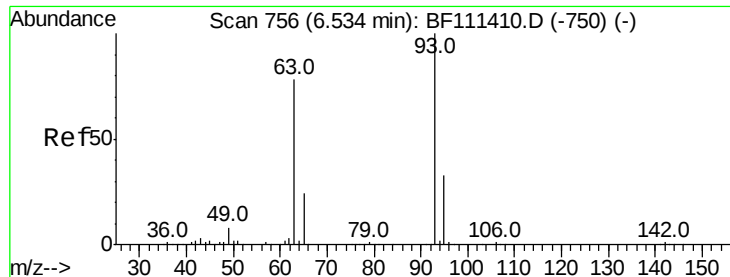
Tot Ion: 77 Resp: 116095
Ion Ratio Lower Upper
77 100
105 105.4 81.4 121.4
106 98.8 77.9 117.9



#10
Phenol
Concen: 29.995 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion: 94 Resp: 378075
Ion Ratio Lower Upper
94 100
65 32.0 11.7 51.7
66 45.9 21.0 61.0

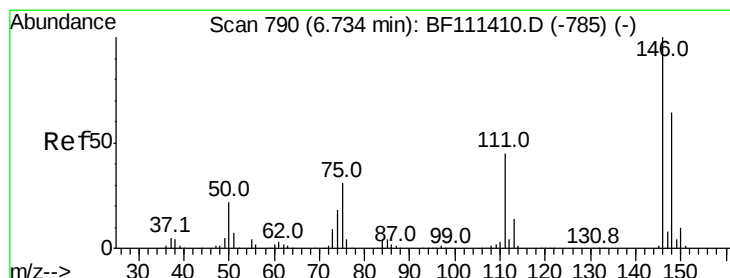
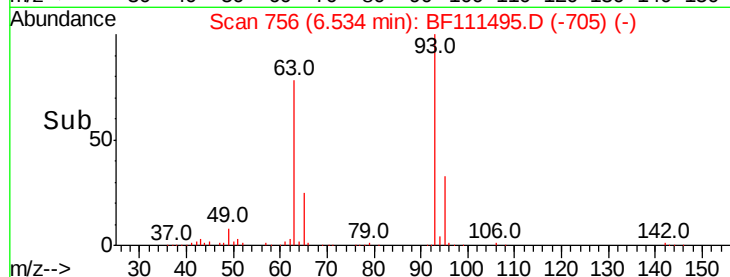
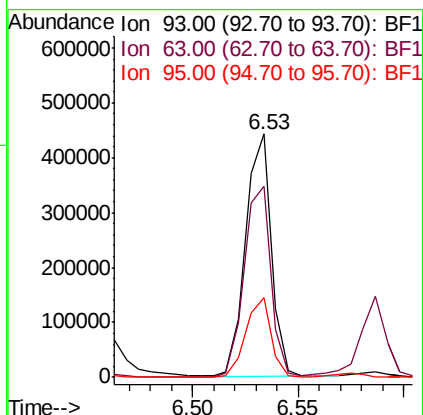
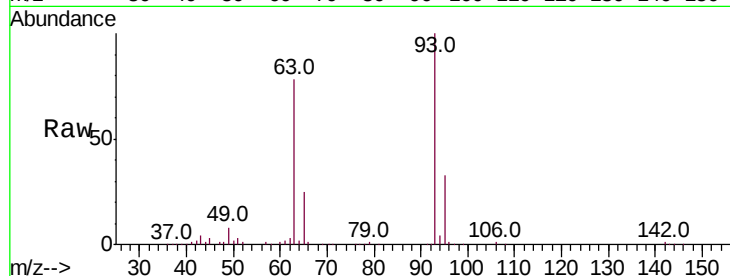




#11
 bis(2-Chloroethyl)ether
 Concen: 38.021 ng
 RT: 6.53 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

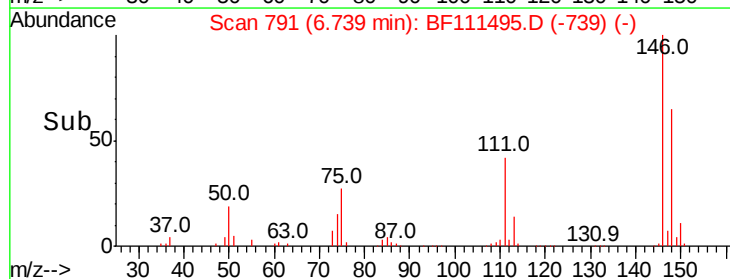
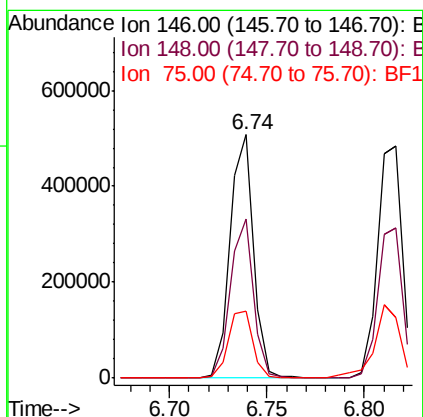
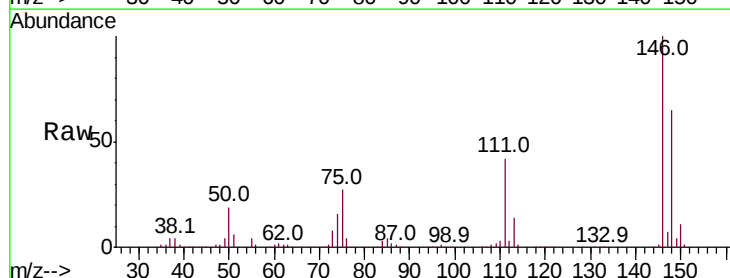
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

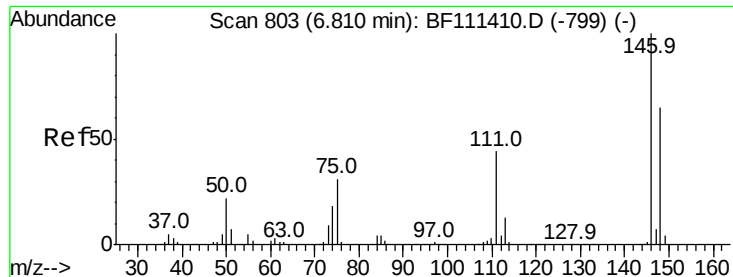
Tot Ion:	93	Resp:	375678
Ion	Ratio	Lower	Upper
93	100		
63	78.2	60.0	100.0
95	32.7	13.4	53.4



#12
 1,3-Dichlorobenzene
 Concen: 37.930 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:	146	Resp:	424362
Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.1	78.1
75	27.5	23.9	35.9

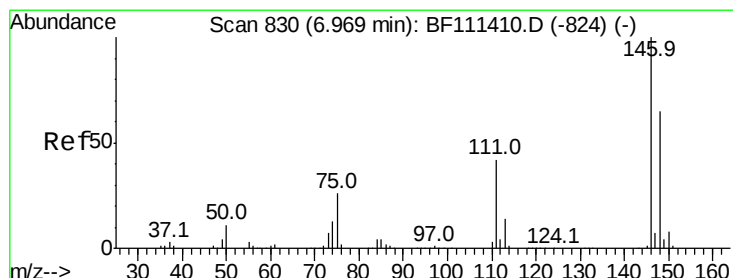
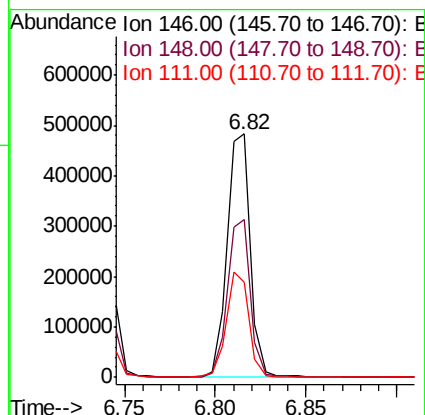
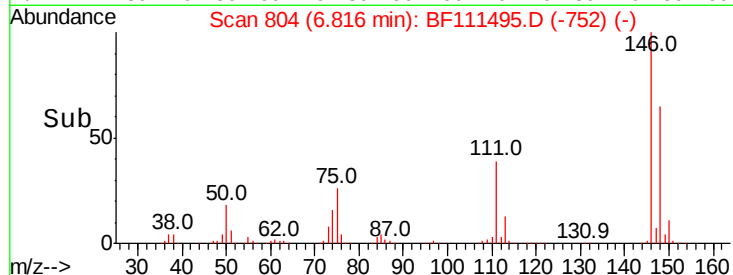
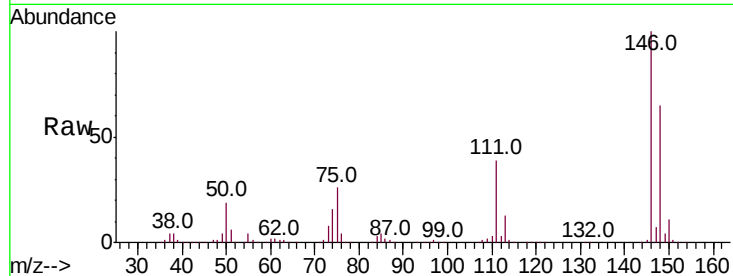




#13
 1,4-Dichlorobenzene
 Concen: 37.784 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

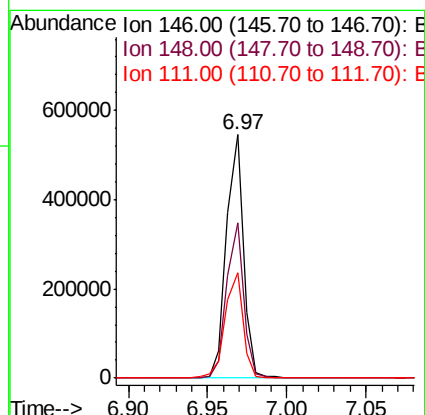
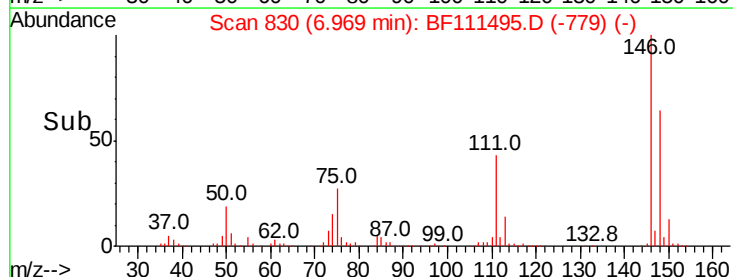
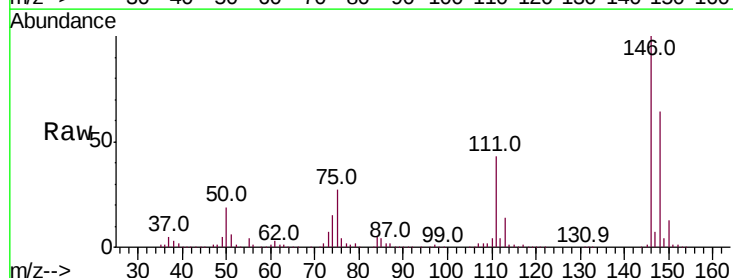
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

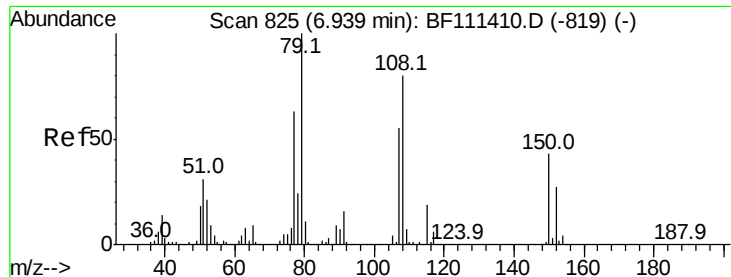
Tot Ion:146 Resp: 429082
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.8 79.2
 111 39.1 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 38.020 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:146 Resp: 406187
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.9 77.9
 111 43.3 36.2 54.4





#15

Benzyl Alcohol

Concen: 37.227 ng

RT: 6.94 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

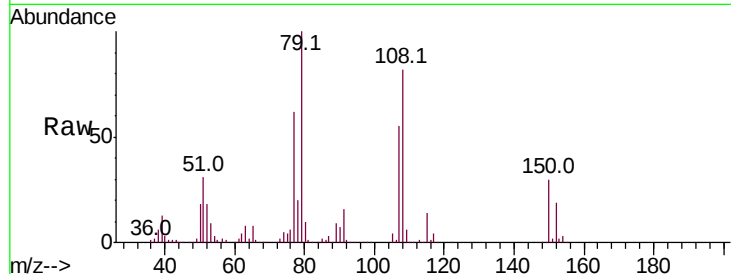
Tot Ion: 79 Resp: 320505

Ion Ratio Lower Upper

79 100

108 81.7 69.4 104.2

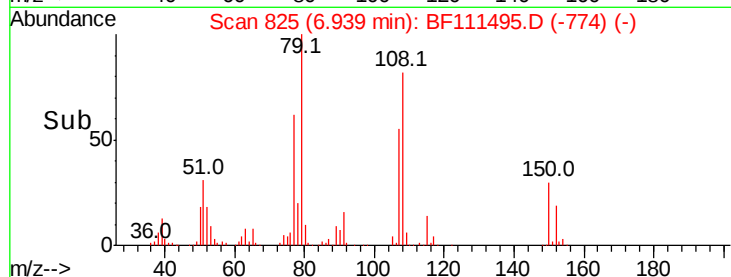
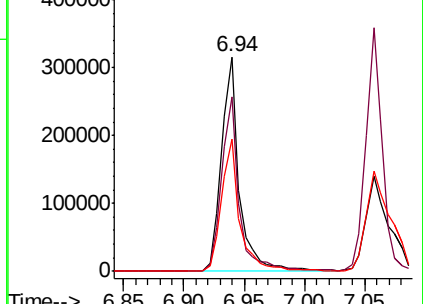
77 62.0 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.642 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

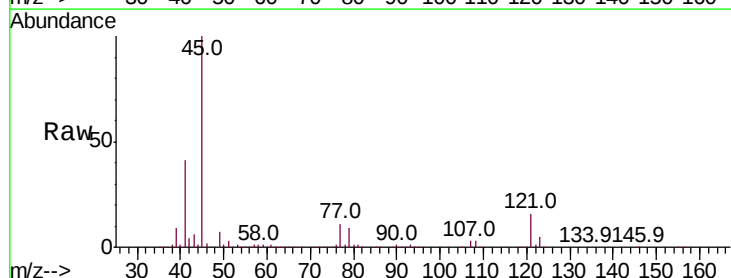
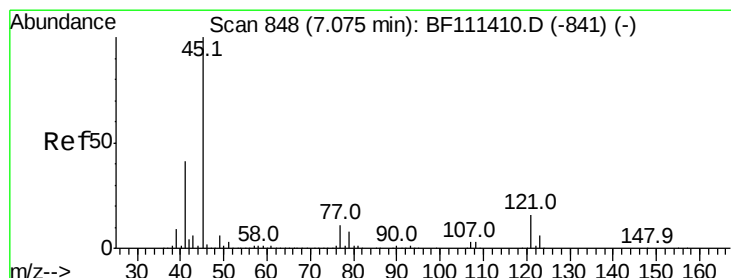
Tgt Ion: 45 Resp: 745497

Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.5

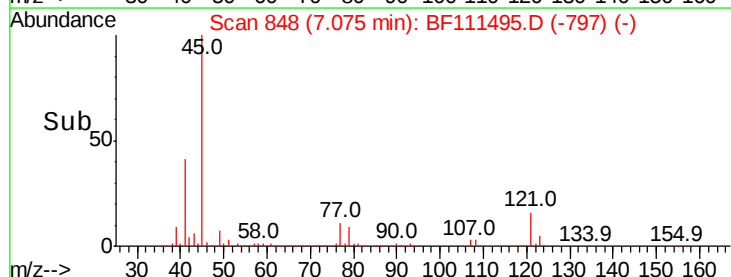
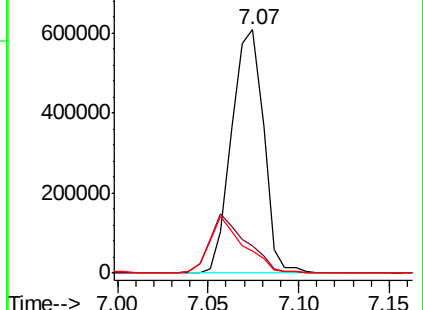
79 9.0 0.0 28.9

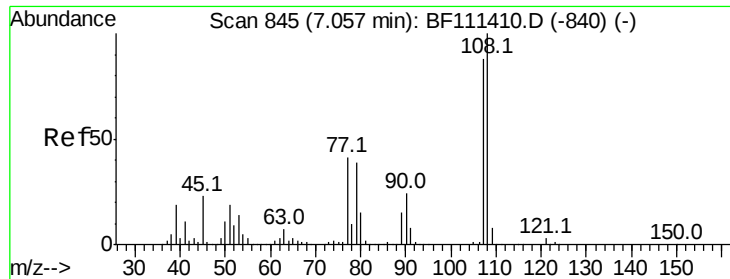


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

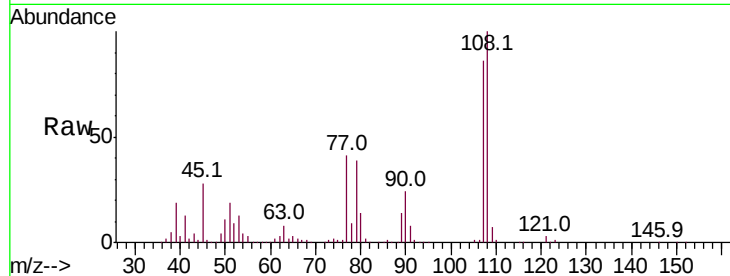




#17
2-Methylphenol
Concen: 36.194 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.0	136.4
77	47.6	33.5	50.3
79	45.5	33.3	49.9



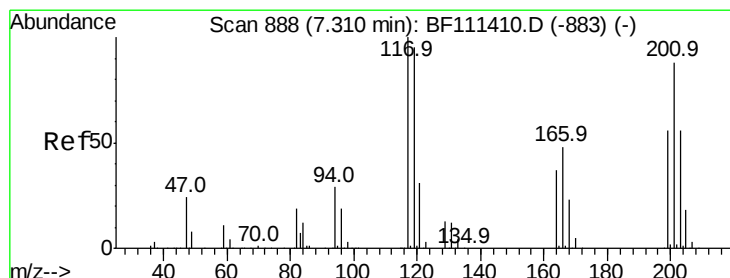
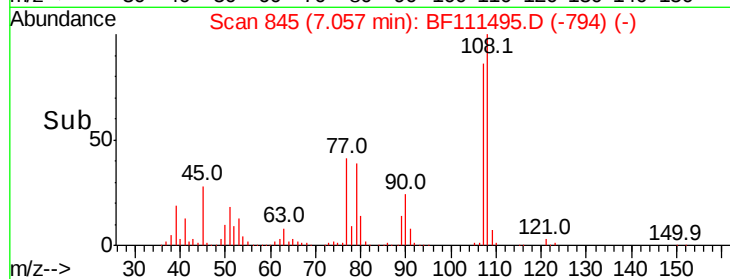
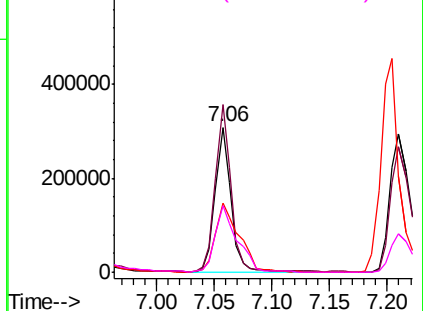
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

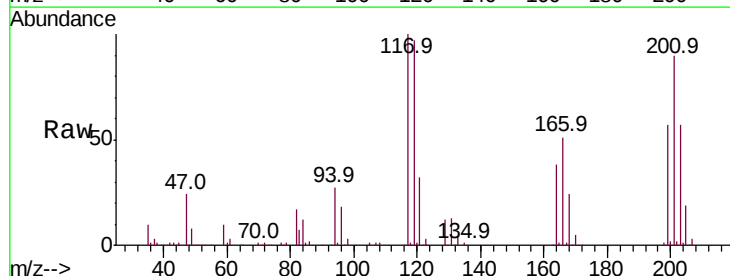
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 33.189 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.4	113.0
201	89.9	62.4	93.6

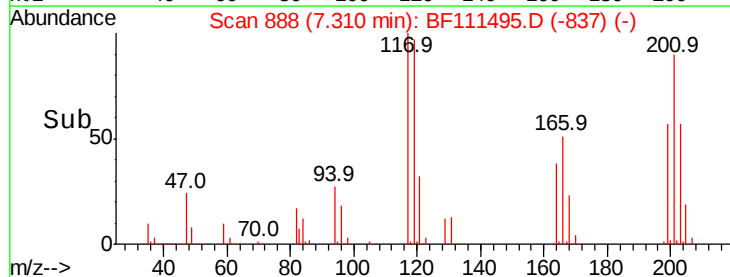
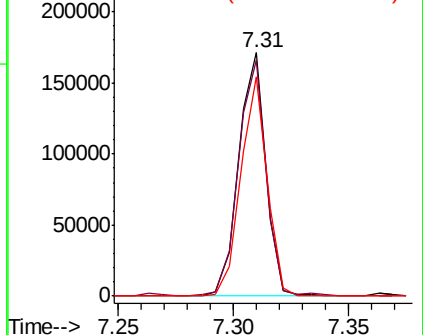


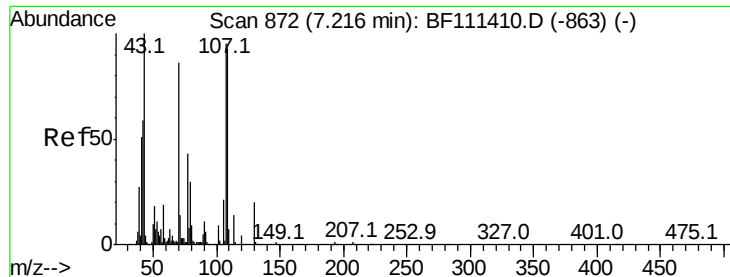
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

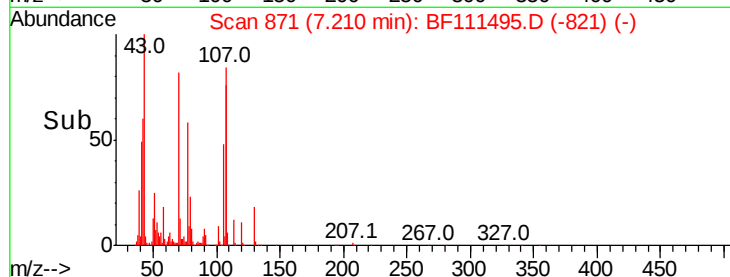
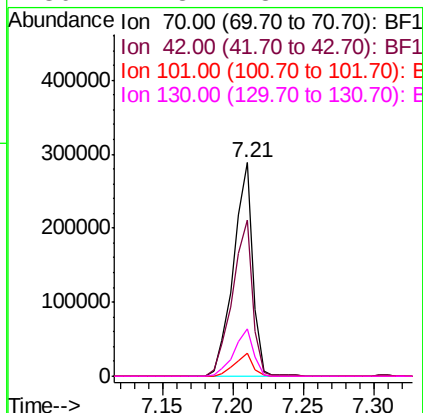
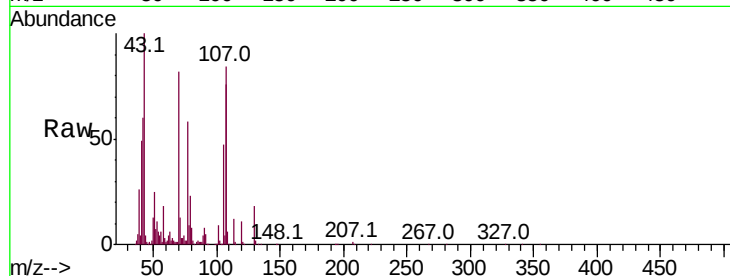




#19
n-Nitroso-di-n-propylamine
Concen: 36.887 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

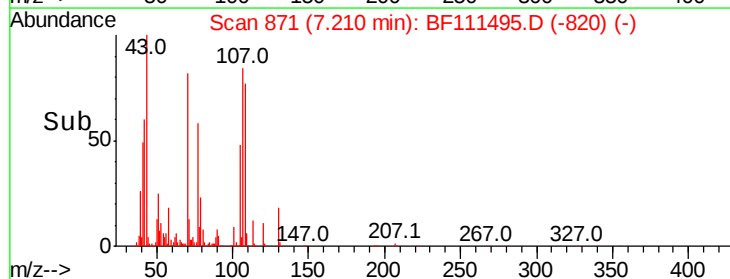
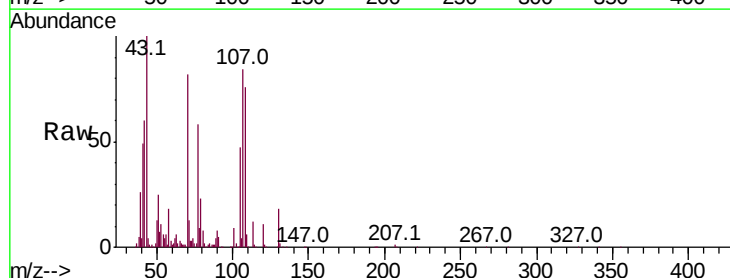
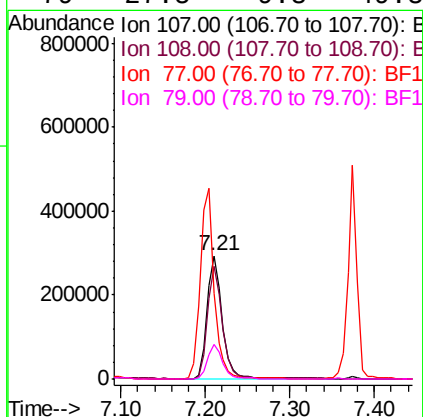
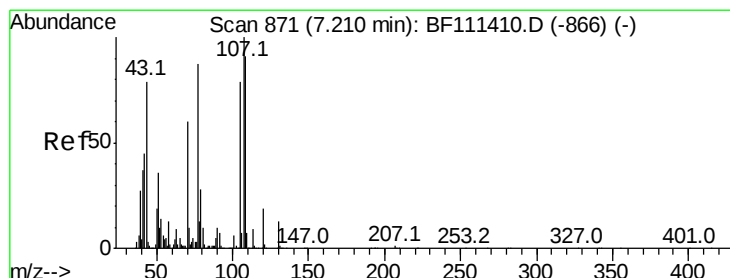
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

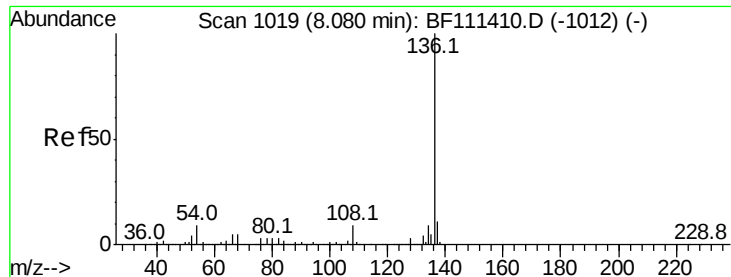
Tot Ion: 70 Resp: 275361
Ion Ratio Lower Upper
70 100
42 73.4 53.2 79.8
101 10.6 8.2 12.4
130 22.3 18.1 27.1



#20
3+4-Methylphenols
Concen: 36.000 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion: 107 Resp: 369372
Ion Ratio Lower Upper
107 100
108 91.0 72.1 112.1
77 69.2 94.1 134.1#
79 27.5 9.8 49.8

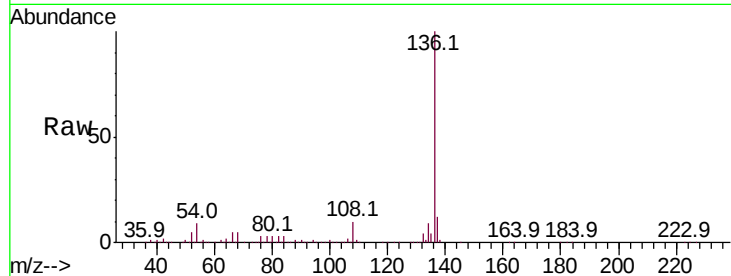




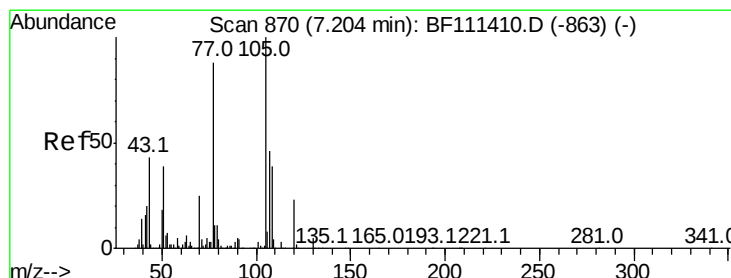
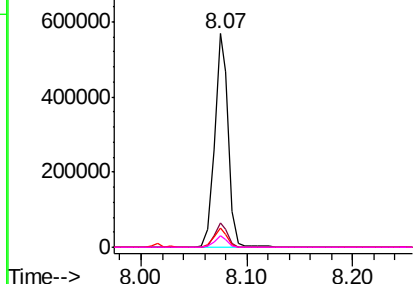
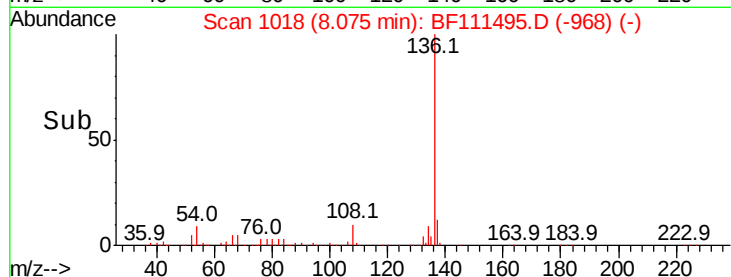
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:136	Resp:	521577
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.1 13.7
54	9.3	7.7 11.5
68	5.2	4.9 7.3

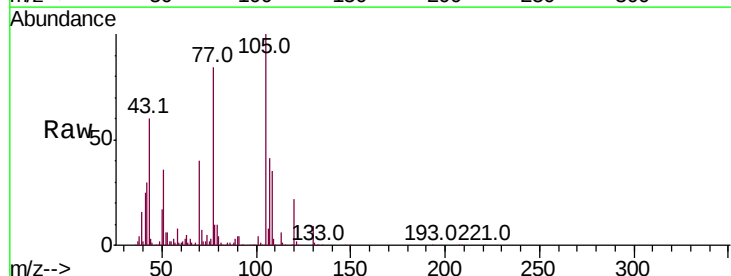


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

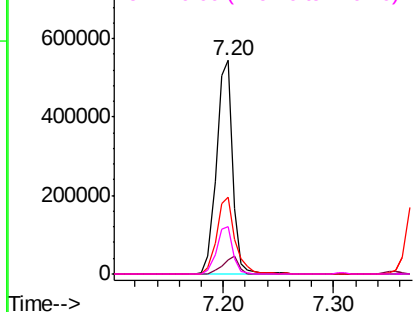
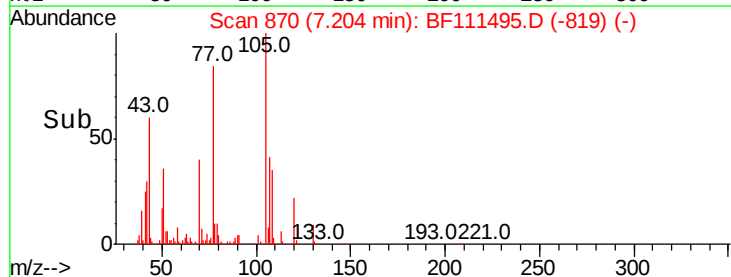


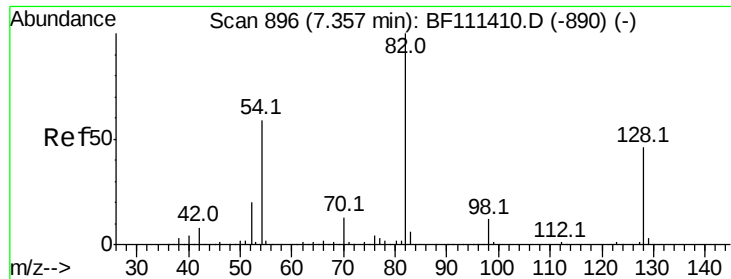
#22
Acetophenone
Concen: 47.615 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:105	Resp:	554398
Ion Ratio	Lower	Upper
105	100	
71	6.6	3.1 4.7#
51	35.8	36.6 54.8#
120	22.4	18.2 27.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

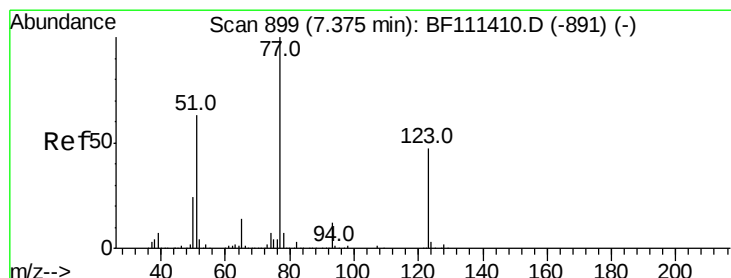
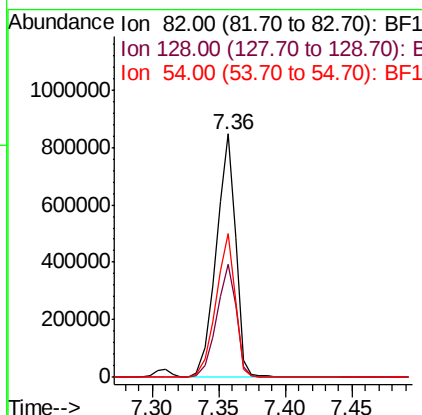
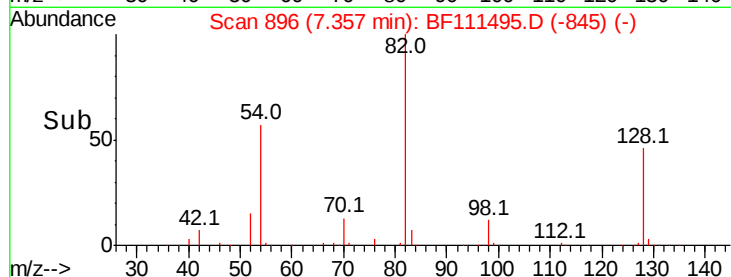
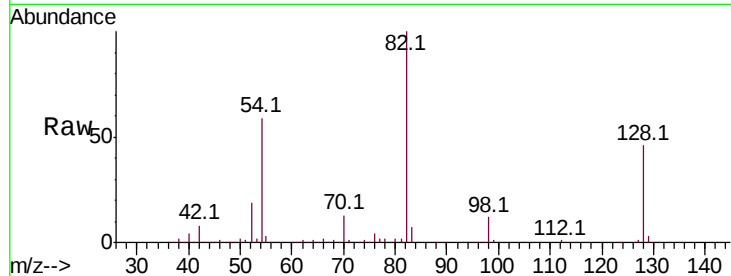




#23
 Nitrobenzene-d5
 Concen: 99.662 ng
 RT: 7.36 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

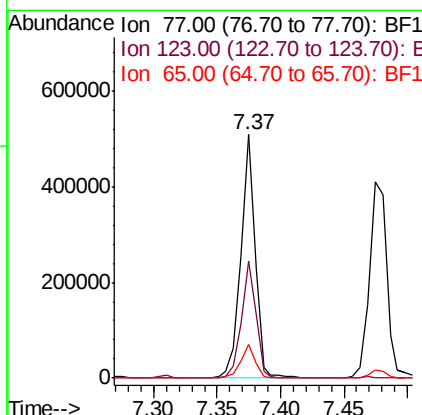
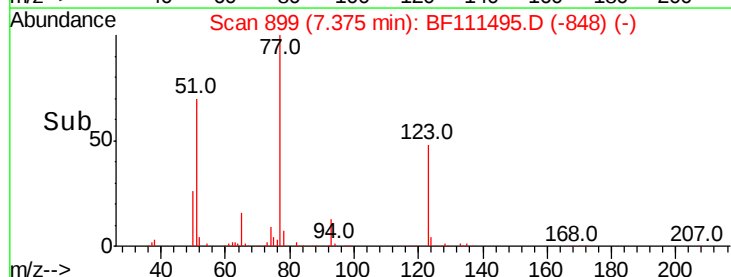
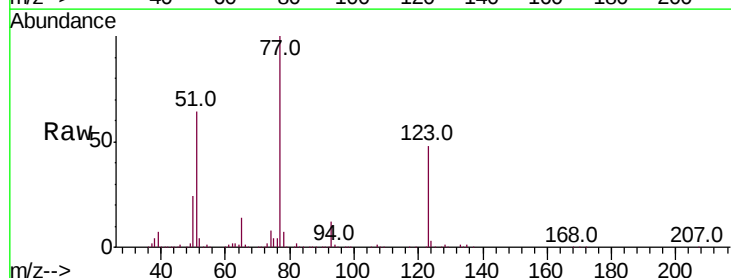
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

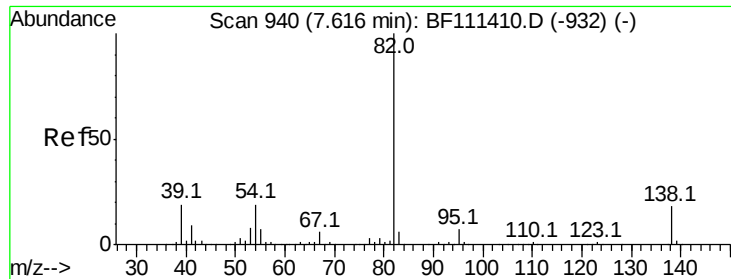
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.2
54	59.2	47.6	71.4



#24
 Nitrobenzene
 Concen: 43.985 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.0	37.2	55.8
65	14.1	11.5	17.3





#25

Isophorone

Concen: 47.720 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

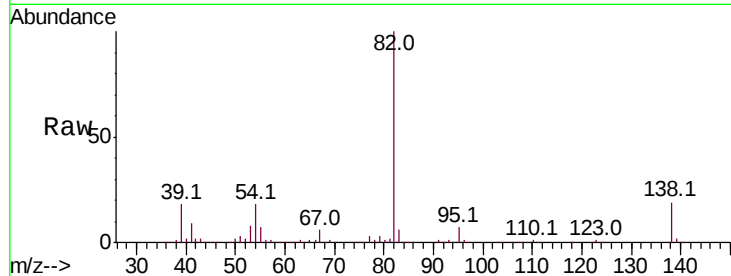
Tot Ion: 82 Resp: 707218

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

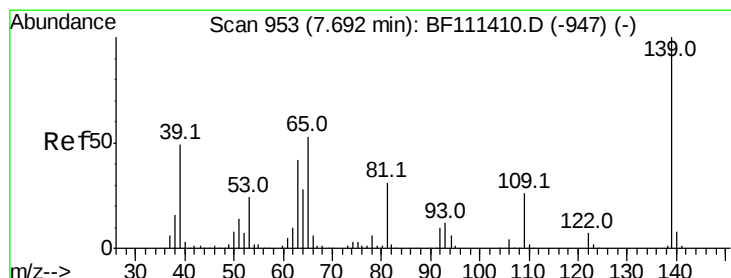
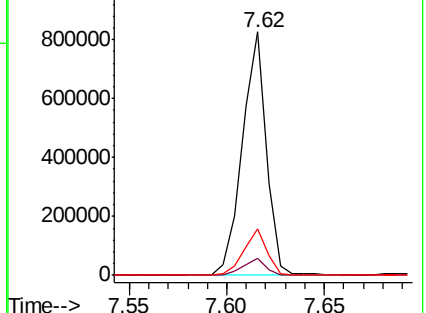
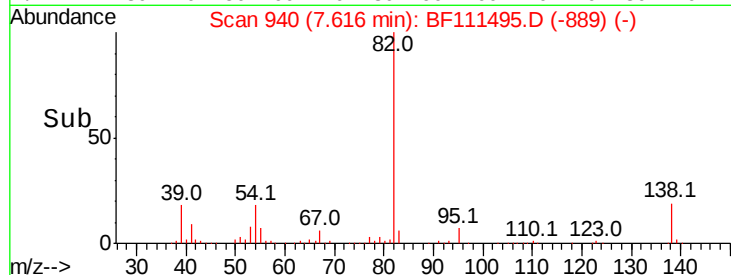
138 18.8 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 36.745 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

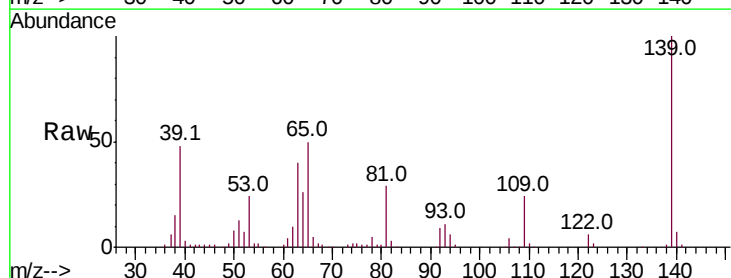
Tgt Ion: 139 Resp: 170264

Ion Ratio Lower Upper

139 100

109 24.4 20.2 30.4

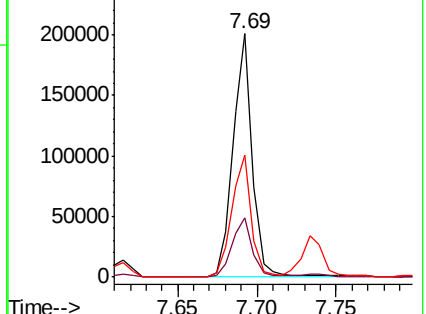
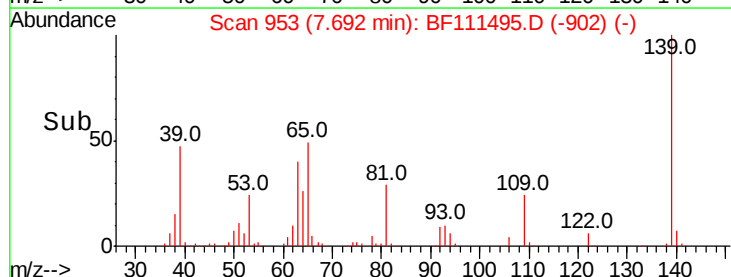
65 50.0 40.7 61.1

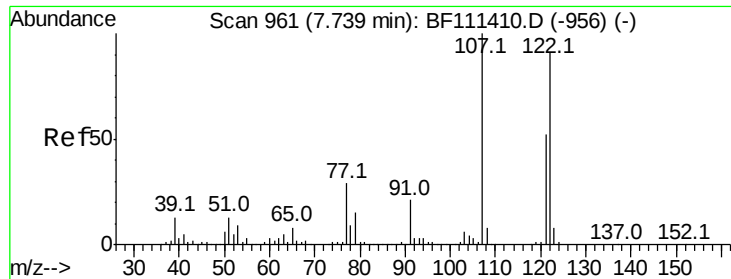


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 48.533 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

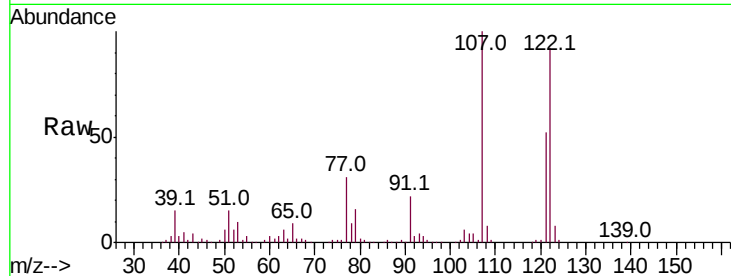
Tot Ion:122 Resp: 326021

Ion Ratio Lower Upper

122 100

107 108.2 85.5 128.3

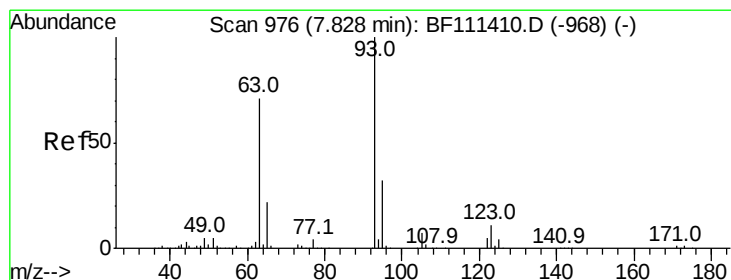
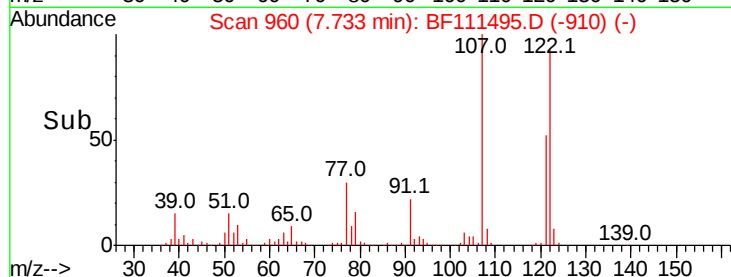
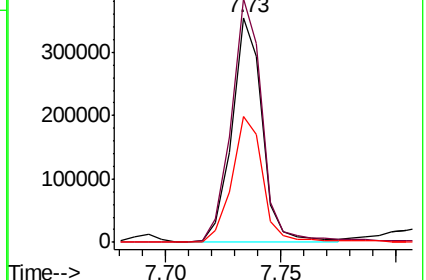
121 55.9 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.867 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

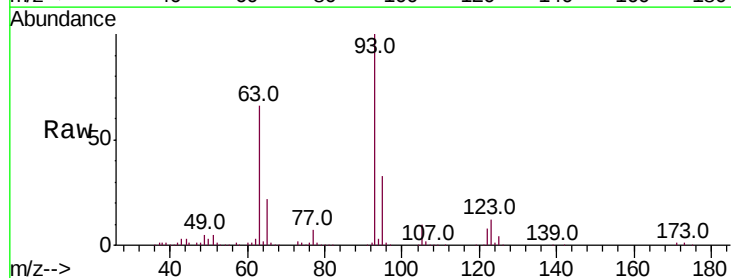
Tgt Ion: 93 Resp: 469270

Ion Ratio Lower Upper

93 100

95 33.0 27.1 40.7

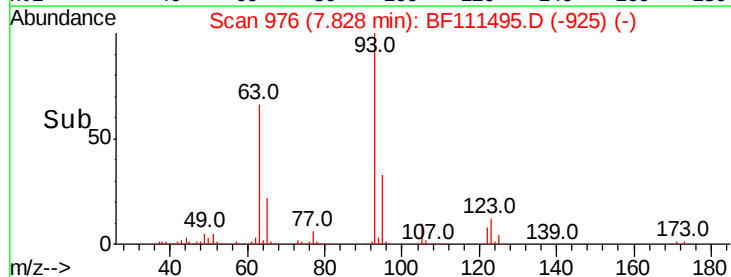
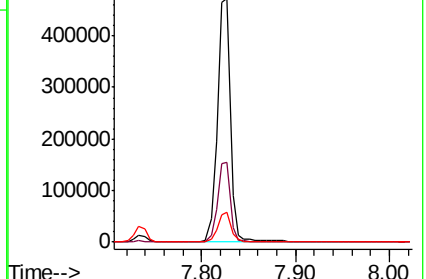
123 12.4 9.9 14.9

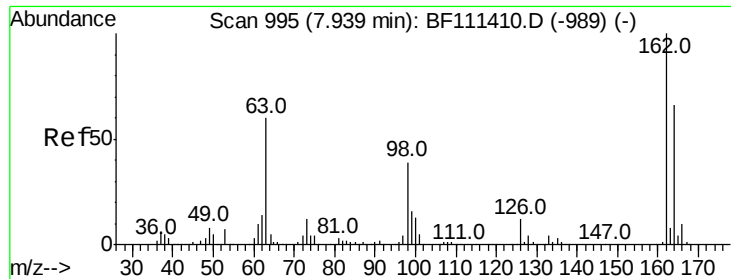


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

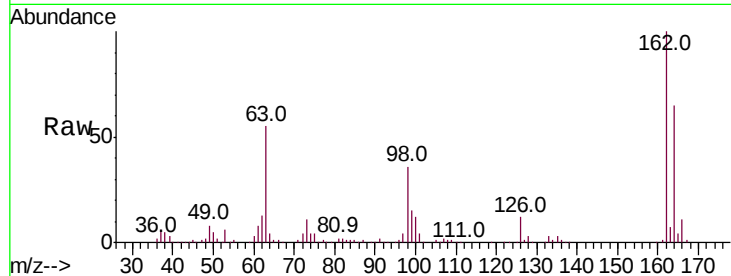




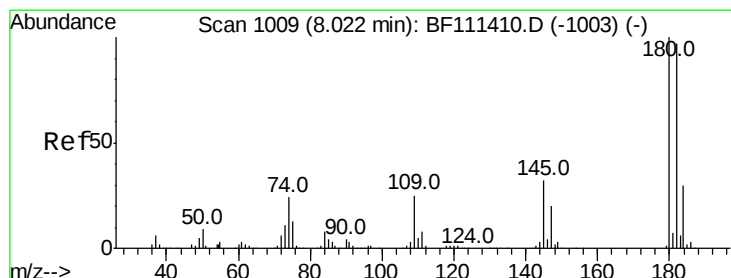
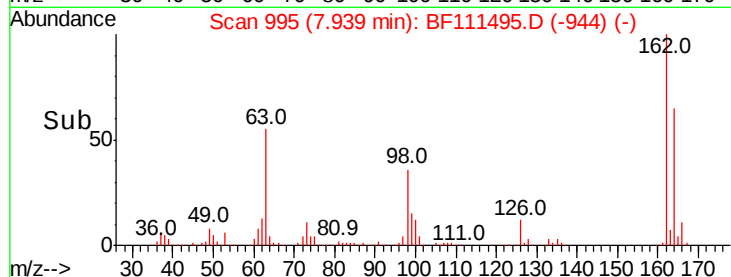
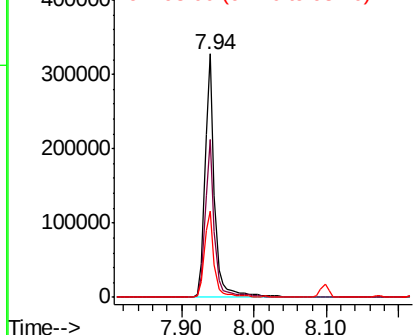
#29
 2,4-Dichlorophenol
 Concen: 42.255 ng
 RT: 7.94 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	35.6	20.3	60.3

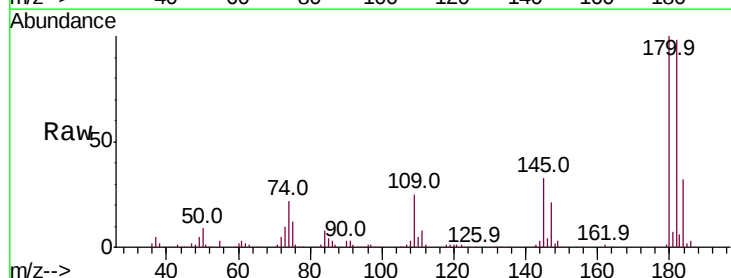


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

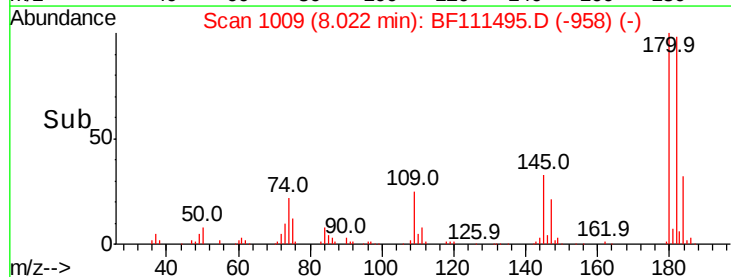
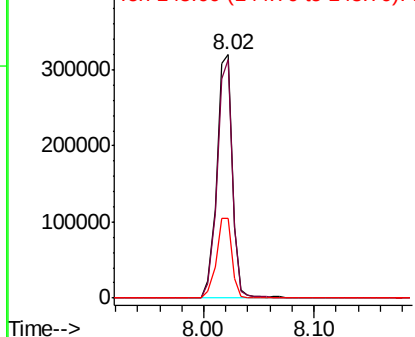


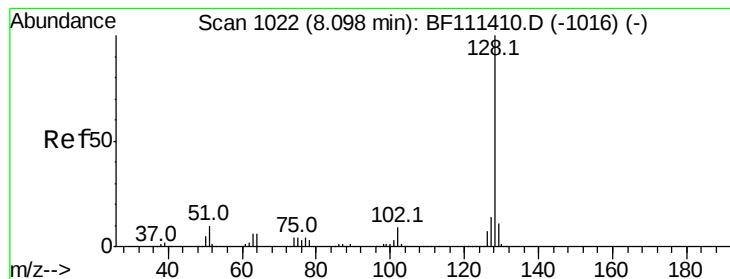
#30
 1,2,4-Trichlorobenzene
 Concen: 41.720 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.6	113.4
145	32.8	26.7	40.1



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





#31

Naphthalene

Concen: 45.909 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

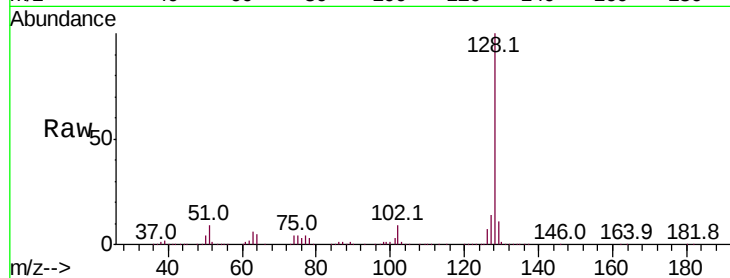
BNA_F

ClientSampleId :

SU-04-121218-AMSD

Tot Ion:128 Resp: 1119970

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.8	14.8
127	13.5	12.0	18.0

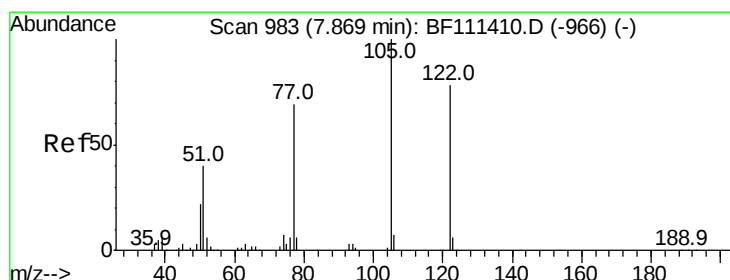
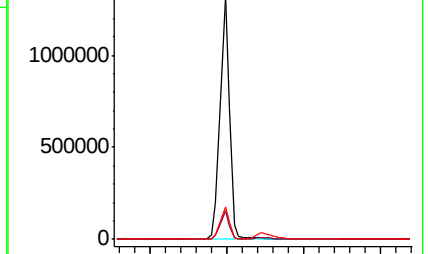
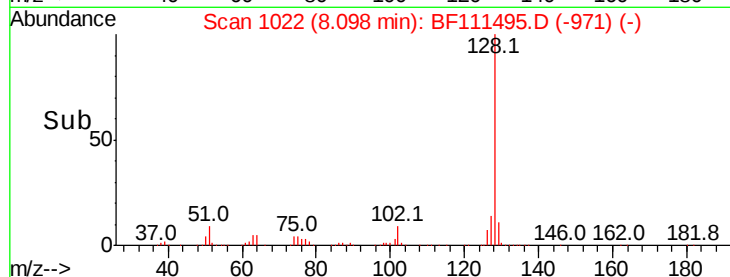


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 19.086 ng

RT: 7.83 min Scan# 977

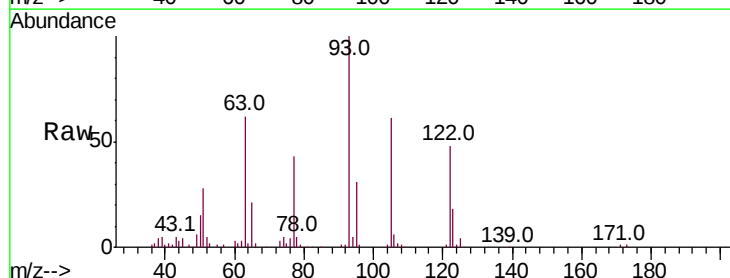
Delta R.T. -0.04 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion:122 Resp: 110791

Ion	Ratio	Lower	Upper
122	100		
105	126.6	97.0	137.0
77	90.1	65.7	105.7

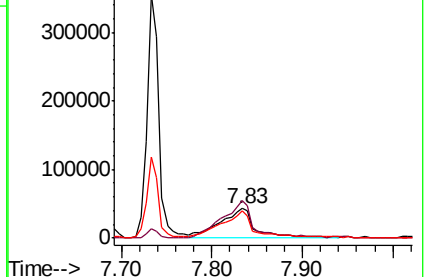
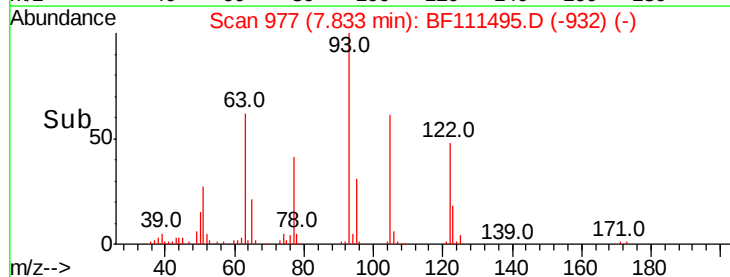


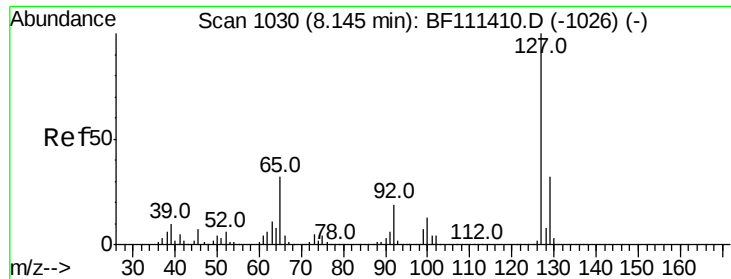
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

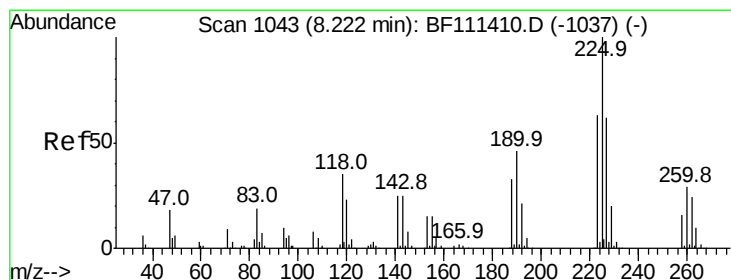
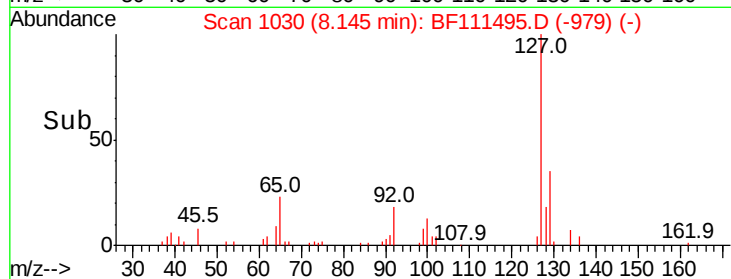
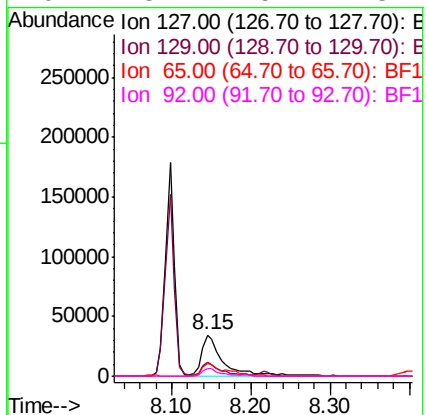
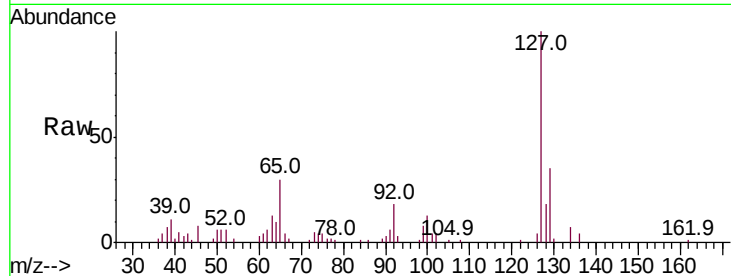




#33
4-Chloroaniline
Concen: 6.232 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

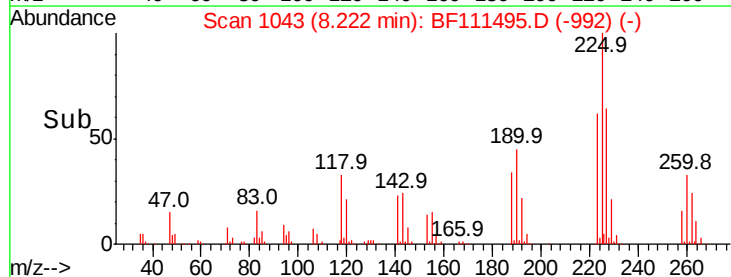
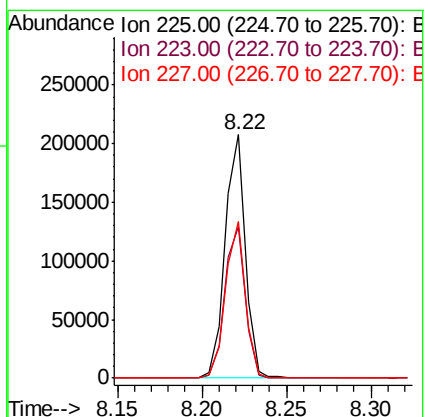
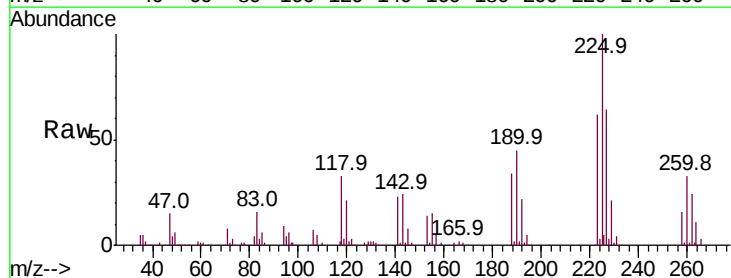
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

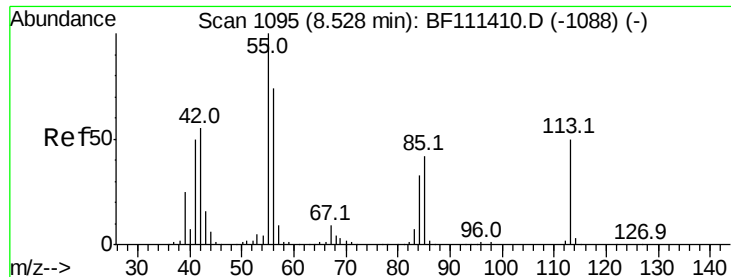
Tot Ion:127	Resp:	67607
Ion Ratio	Lower	Upper
127	100	
129	35.1	26.6 39.8
65	29.7	25.7 38.5
92	18.1	15.4 23.2



#34
Hexachlorobutadiene
Concen: 41.597 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:225	Resp:	172039
Ion Ratio	Lower	Upper
225	100	
223	62.5	50.7 76.1
227	64.3	52.6 78.8

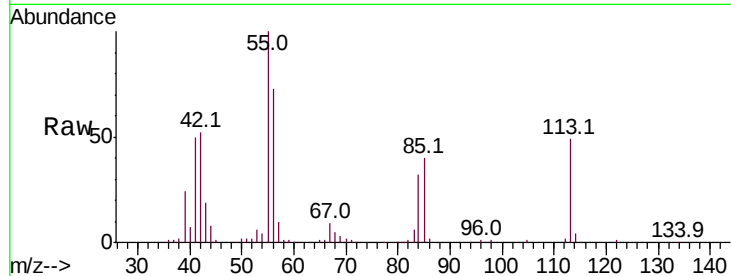




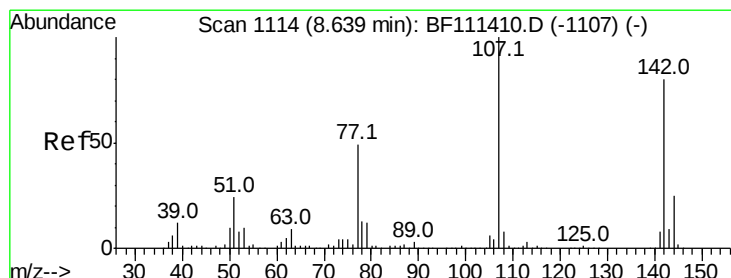
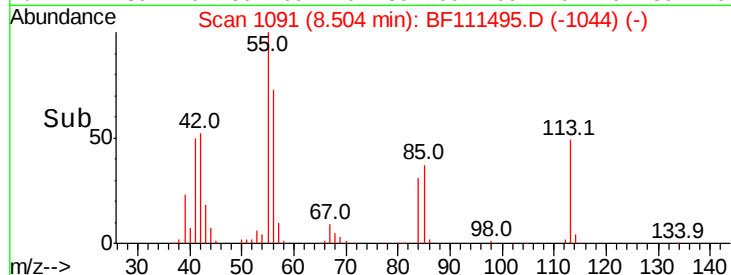
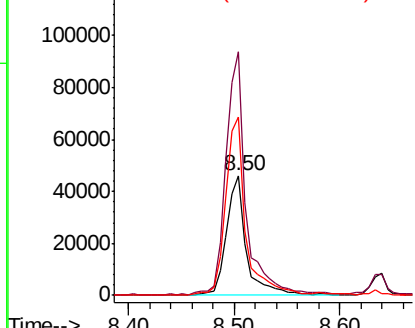
#35
 Caprolactam
 Concen: 22.614 ng
 RT: 8.50 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Tot Ion:113 Resp: 60207
 Ion Ratio Lower Upper
 113 100
 55 203.3 184.1 224.1
 56 148.6 126.0 166.0

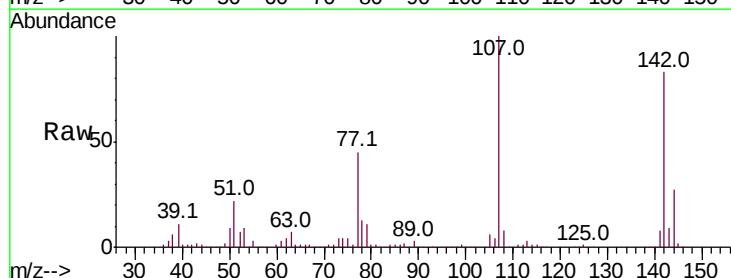


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

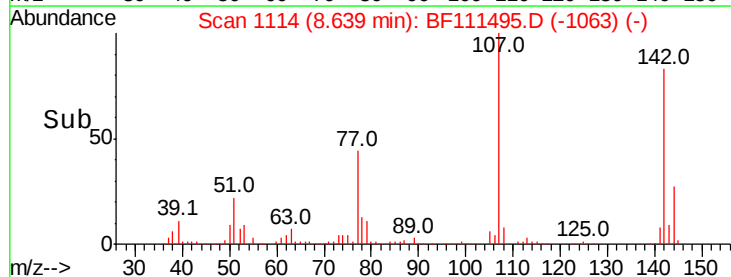
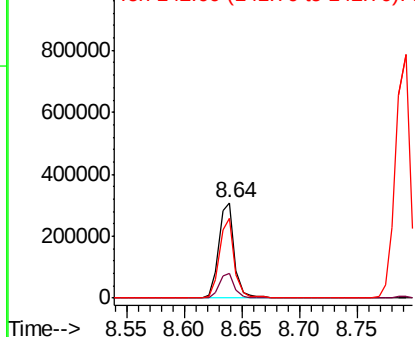


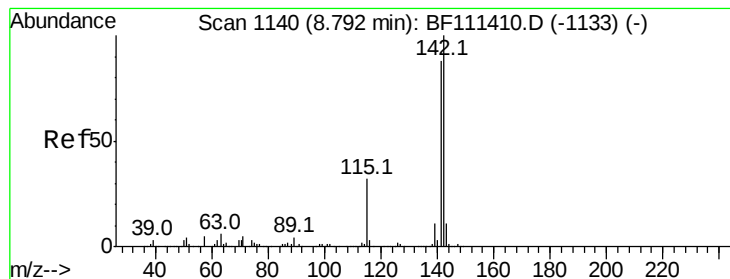
#36
 4-Chloro-3-methylphenol
 Concen: 37.041 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:107 Resp: 292373
 Ion Ratio Lower Upper
 107 100
 144 26.5 19.8 29.6
 142 83.4 62.3 93.5



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 42.751 ng

RT: 8.79 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

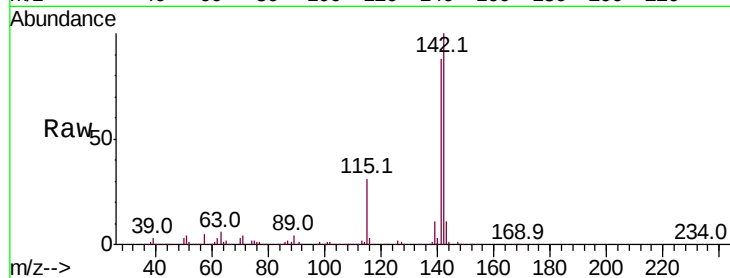
Tot Ion:142 Resp: 705724

Ion Ratio Lower Upper

142 100

141 88.1 70.6 105.8

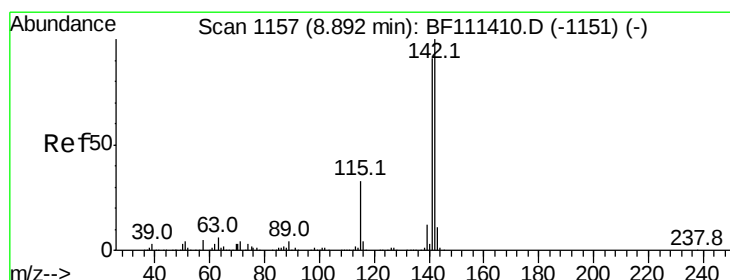
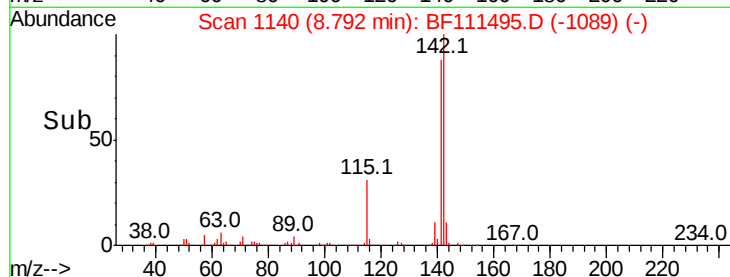
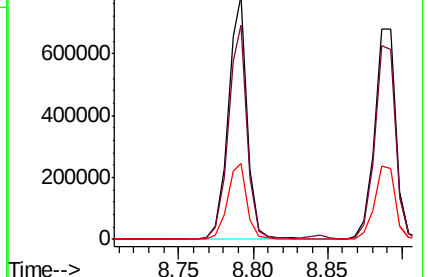
115 31.4 27.0 40.6



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: 41.230 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

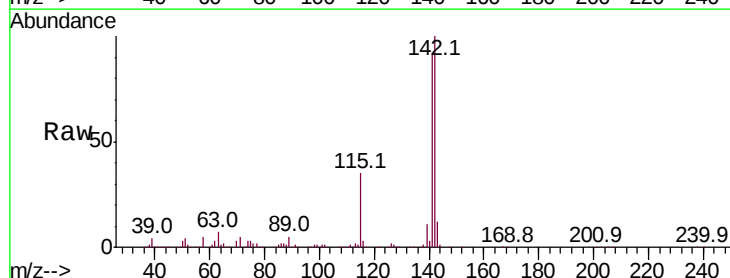
Tgt Ion:142 Resp: 657522

Ion Ratio Lower Upper

142 100

141 91.7 74.2 111.4

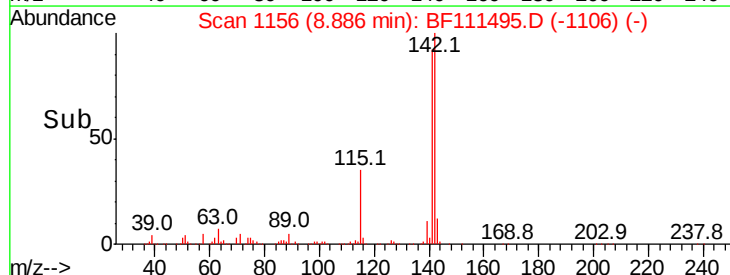
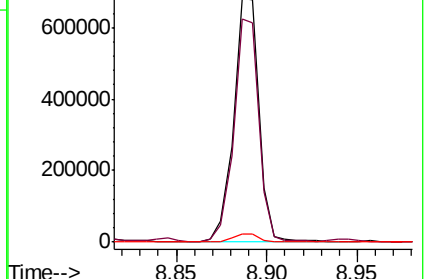
116 3.5 2.9 4.3

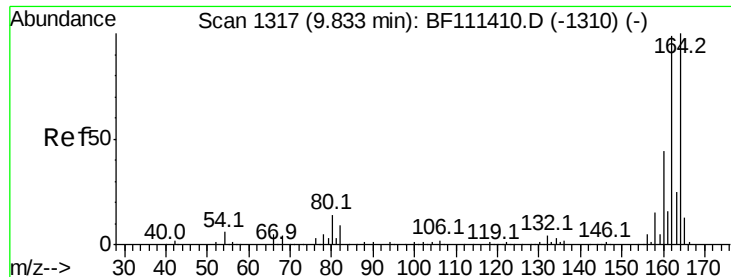


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

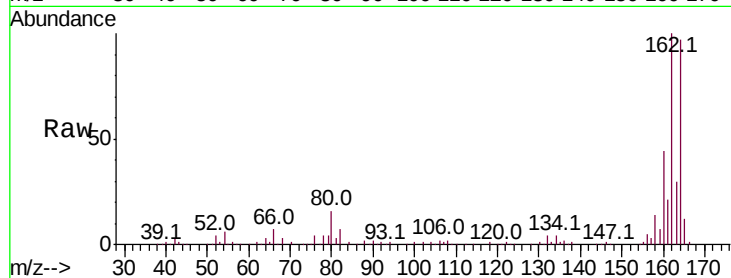
Tot Ion:164 Resp: 198493

Ion Ratio Lower Upper

164 100

162 103.6 81.4 122.0

160 45.4 35.7 53.5

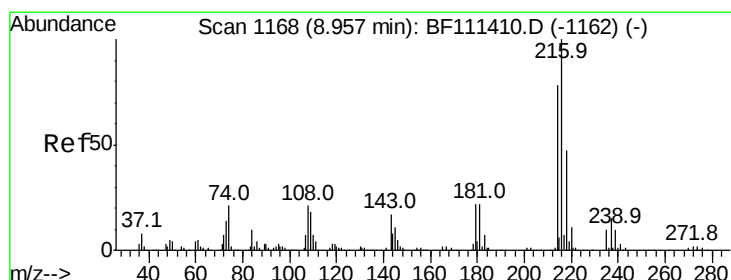
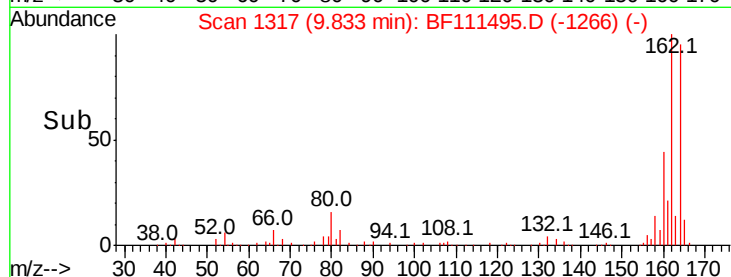
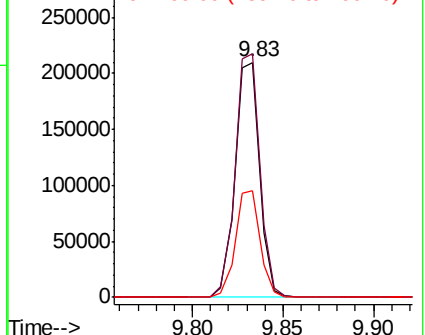


Abundance

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: 49.550 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion:216 Resp: 269726

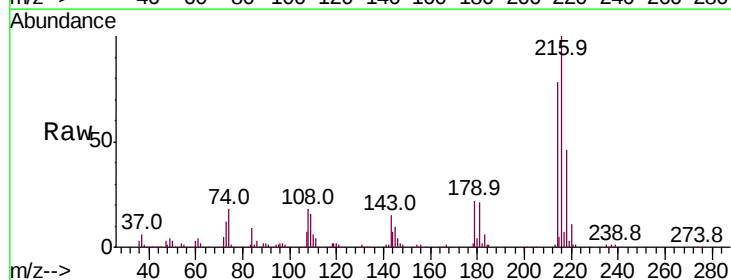
Ion Ratio Lower Upper

216 100

214 77.6 63.8 95.8

179 21.7 17.9 26.9

108 18.6 18.4 27.6



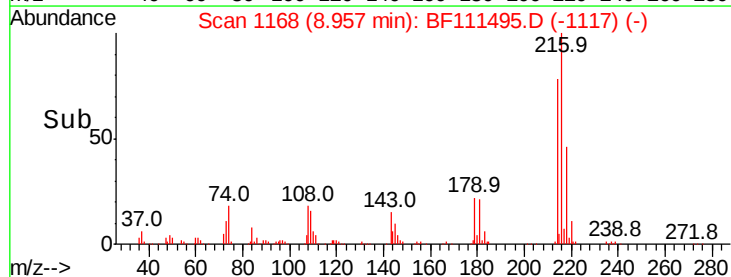
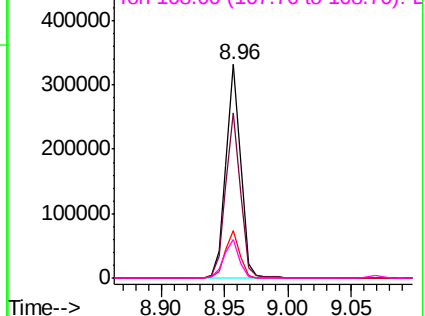
Abundance

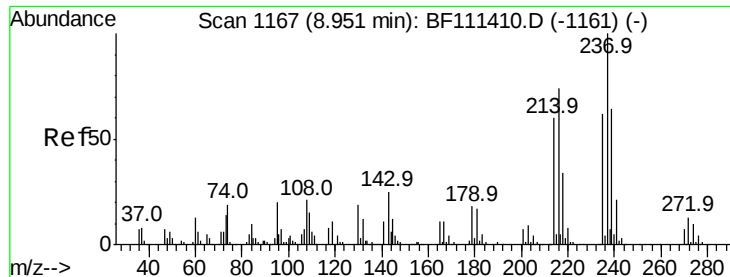
Ion 216.00 (215.70 to 216.70): E

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: 16.786 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

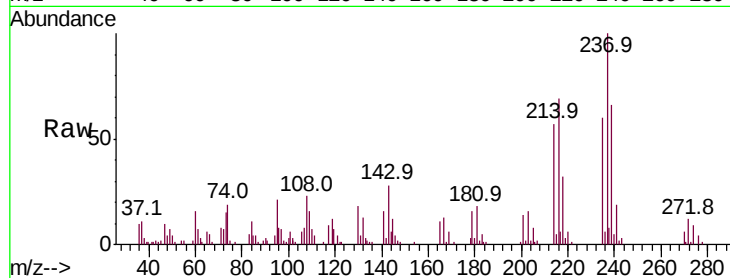
Tot Ion:237 Resp: 46913

Ion Ratio Lower Upper

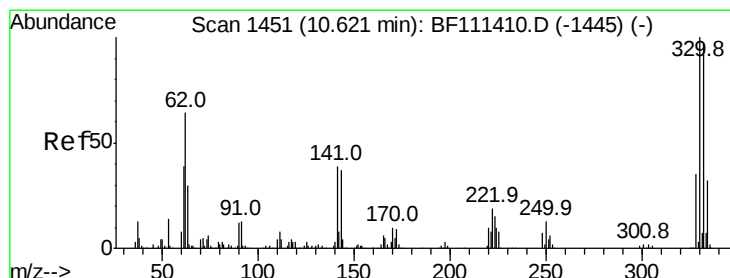
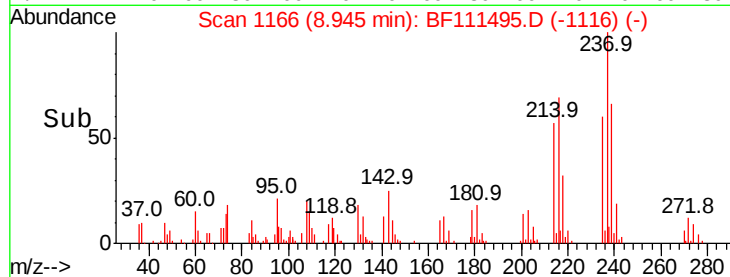
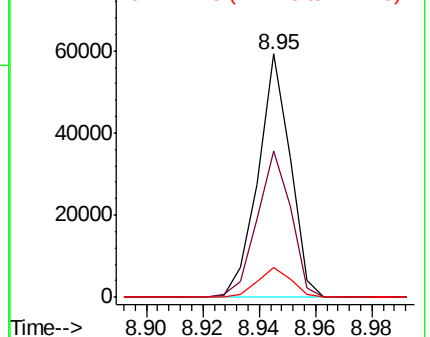
237 100

235 59.9 43.1 83.1

272 12.2 0.0 33.0



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: 126.554 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

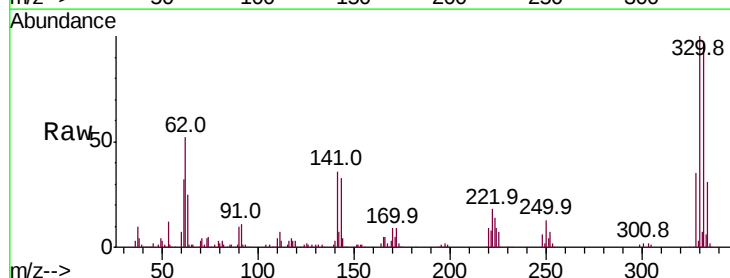
Tgt Ion:330 Resp: 225022

Ion Ratio Lower Upper

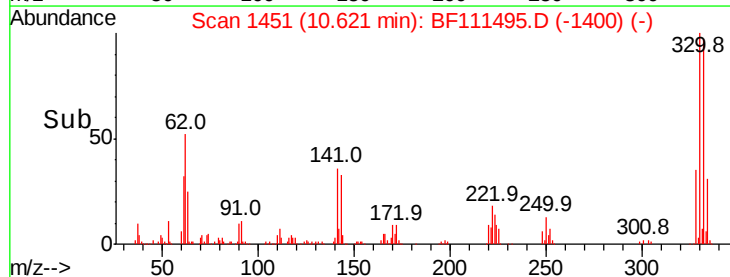
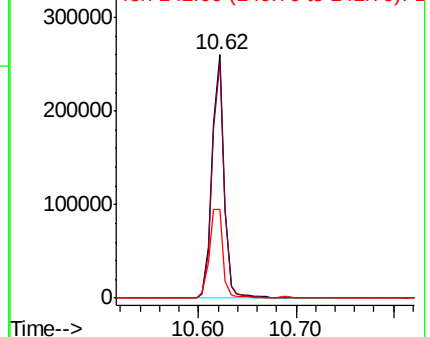
330 100

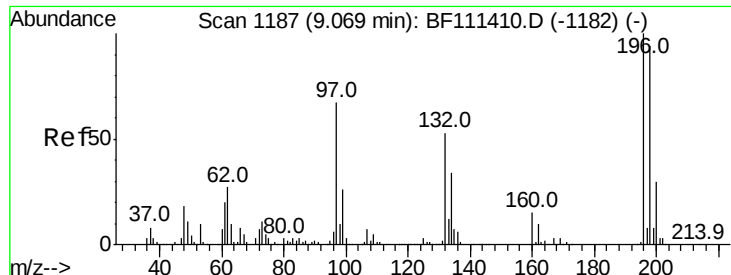
332 95.9 76.0 114.0

141 41.0 31.0 46.6



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

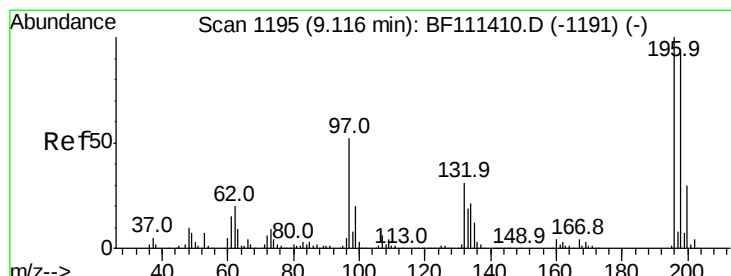
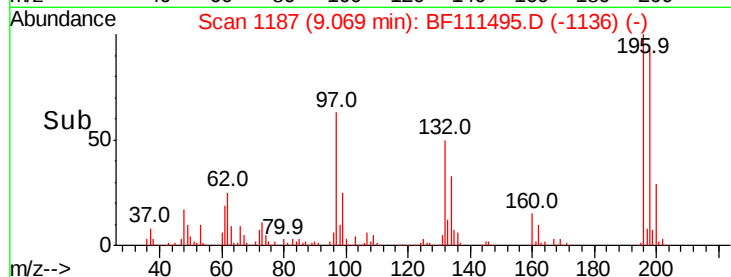
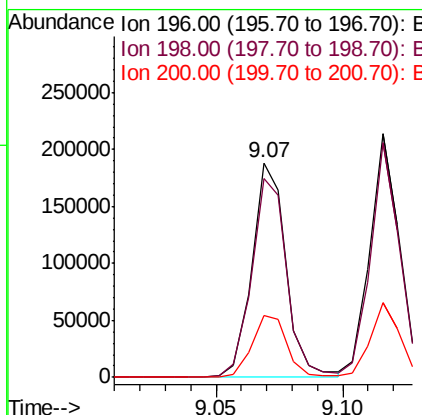
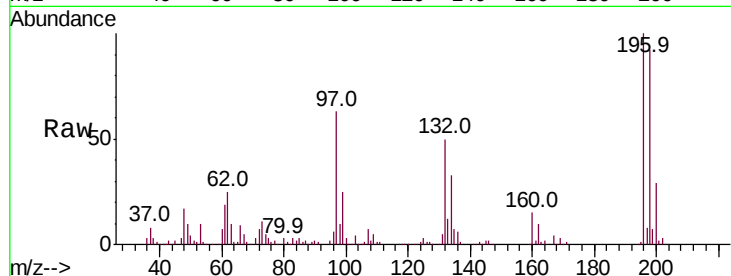




#43
 2,4,6-Trichlorophenol
 Concen: 45.612 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

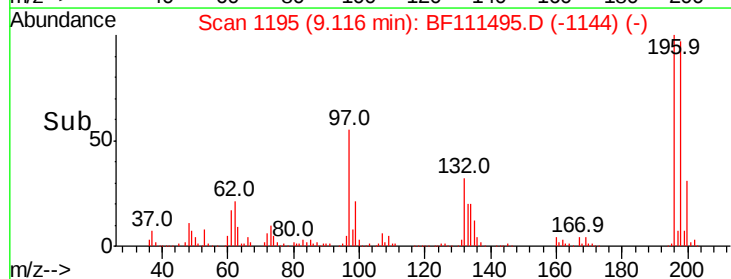
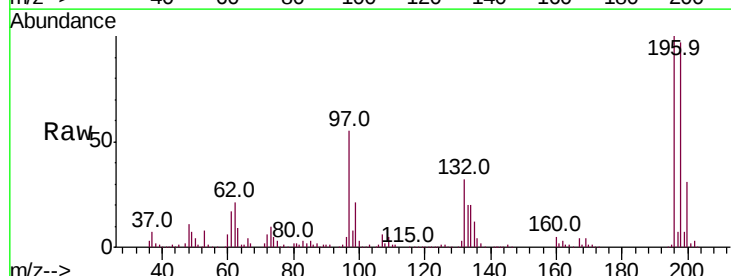
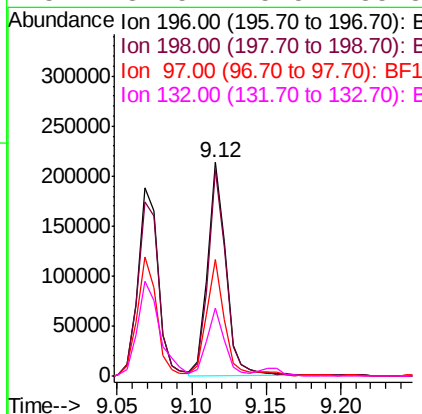
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

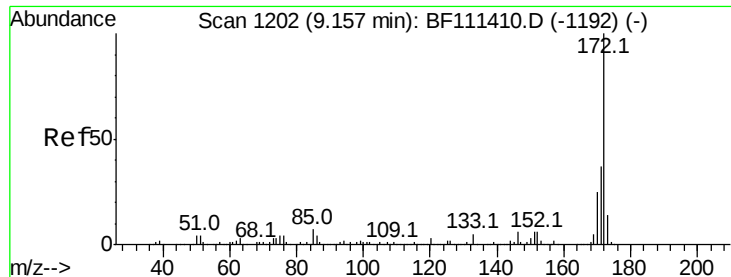
Tot Ion:196 Resp: 175727
 Ion Ratio Lower Upper
 196 100
 198 92.4 76.3 114.5
 200 28.8 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 44.482 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion:196 Resp: 182362
 Ion Ratio Lower Upper
 196 100
 198 96.6 72.9 109.3
 97 54.5 45.3 67.9
 132 31.5 25.5 38.3

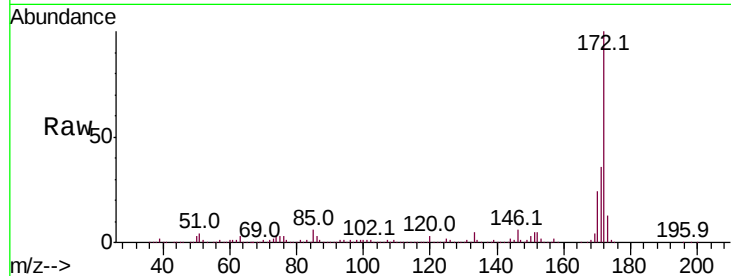




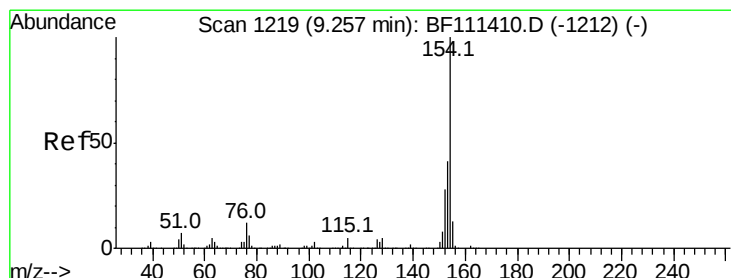
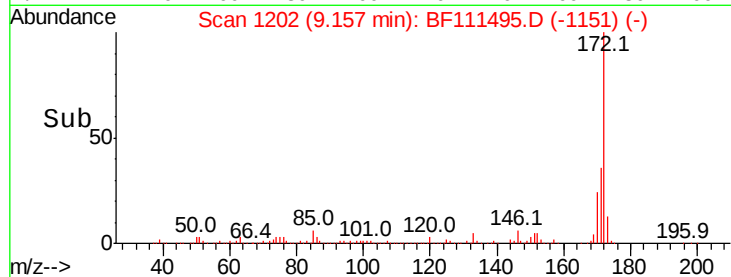
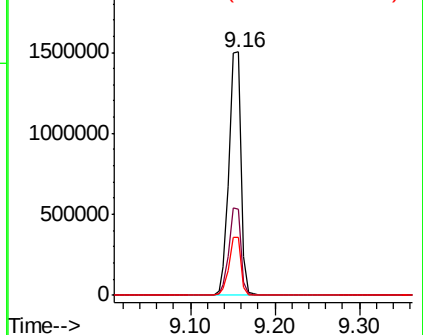
#45
2-Fluorobiphenyl
Concen: 115.024 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:172 Resp: 1478115
Ion Ratio Lower Upper
172 100
171 35.6 33.0 49.4
170 23.7 22.3 33.5

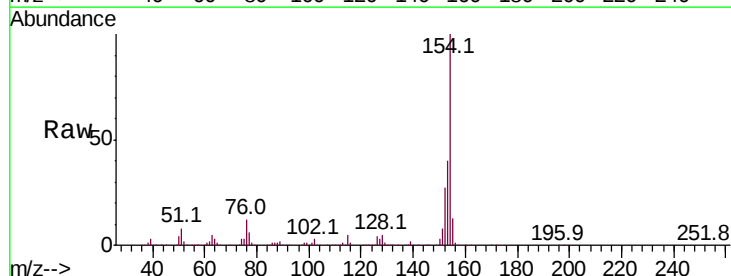


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

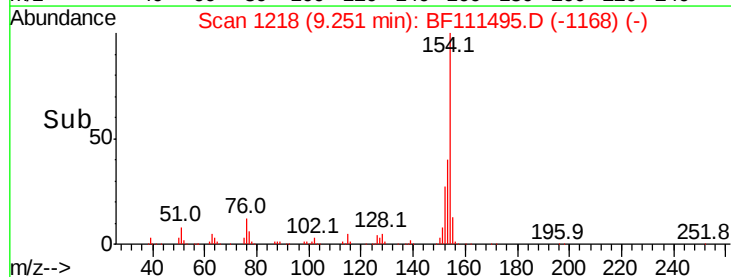
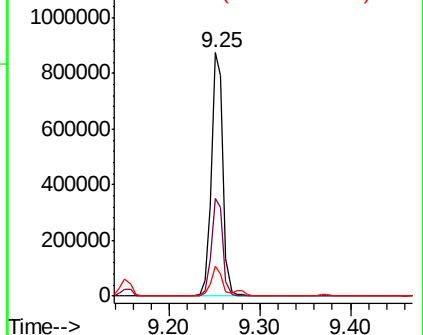


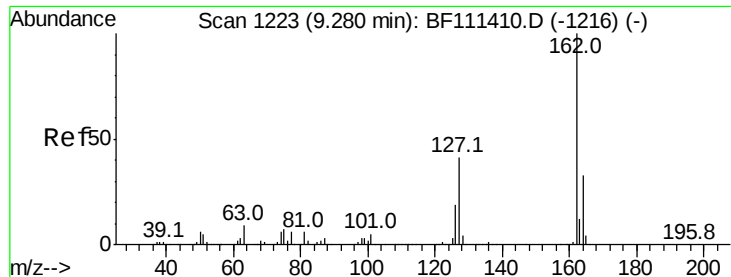
#46
1,1'-Biphenyl
Concen: 46.925 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:154 Resp: 789223
Ion Ratio Lower Upper
154 100
153 40.2 23.7 63.7
76 12.2 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

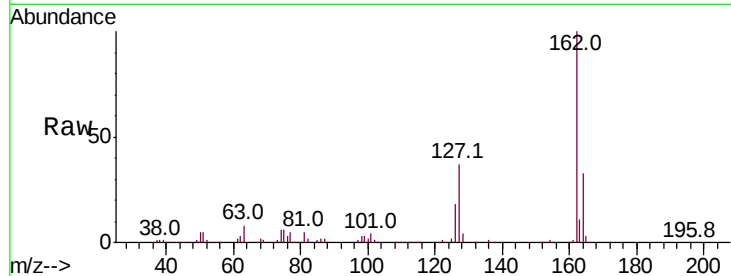




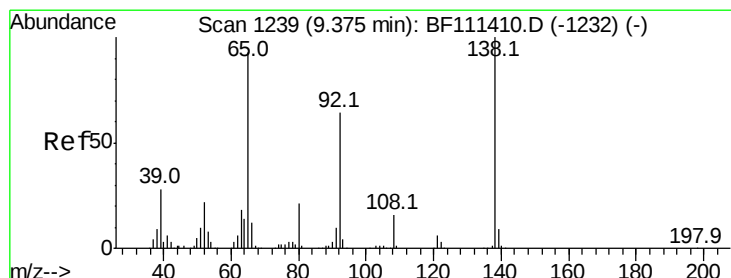
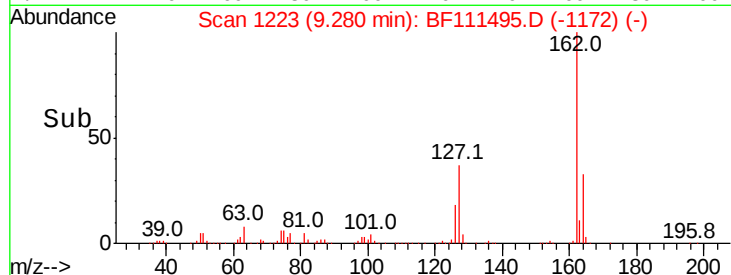
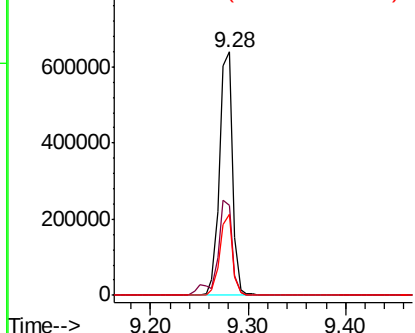
#47
 2-Chloronaphthalene
 Concen: 47.070 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.1	35.0	52.4
164	33.1	28.4	42.6

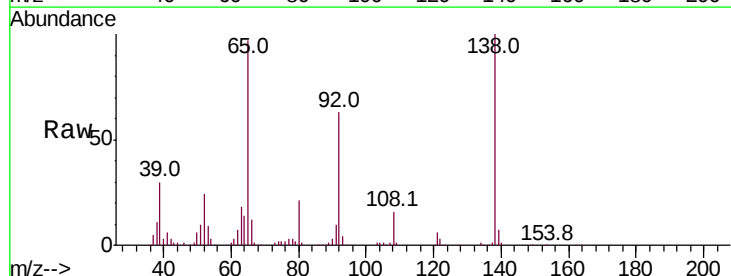


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

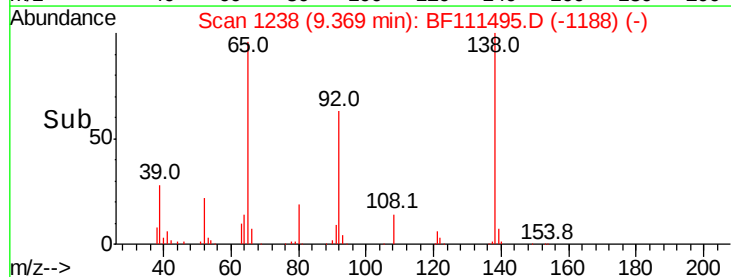
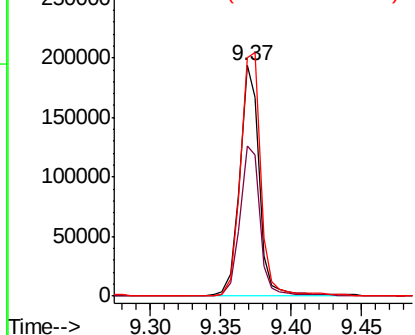


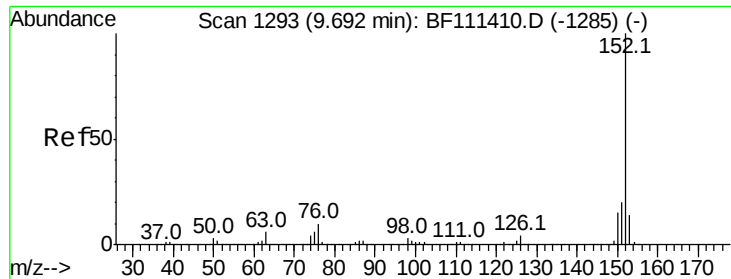
#48
 2-Nitroaniline
 Concen: 45.174 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.4	53.5	80.3
138	103.3	80.9	121.3



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: 47.610 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

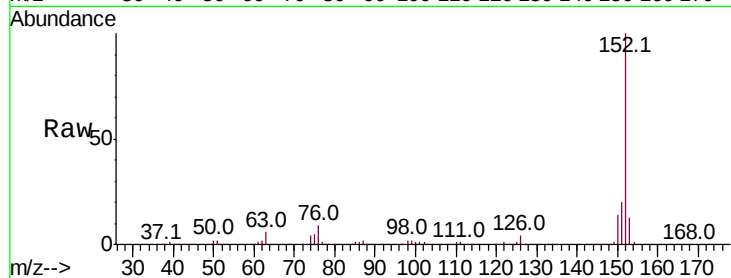
Tot Ion:152 Resp: 903457

Ion Ratio Lower Upper

152 100

151 20.0 18.0 27.0

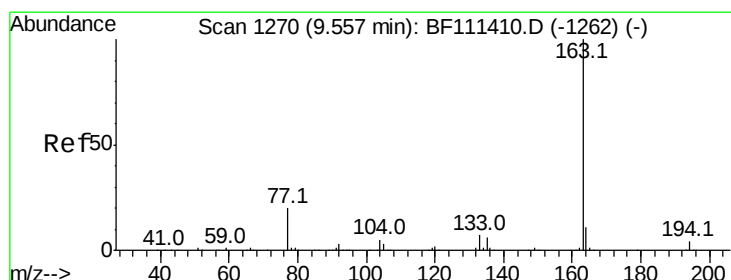
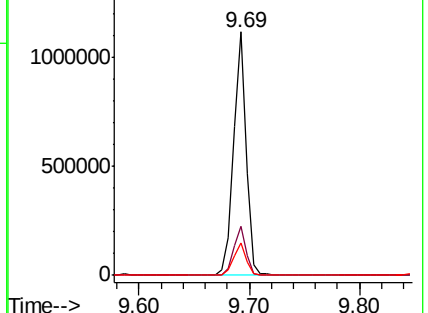
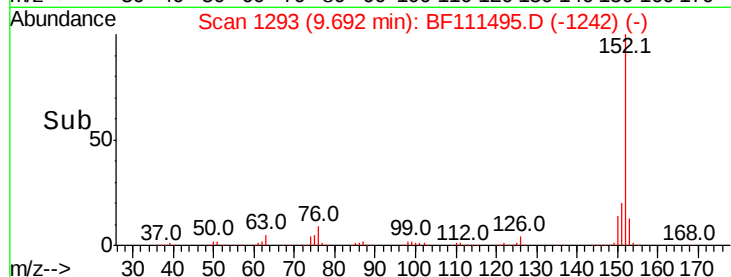
153 13.3 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.654 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

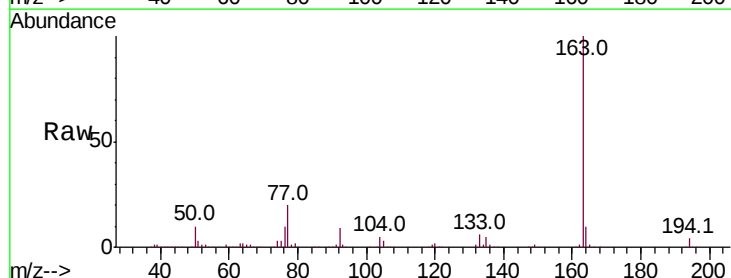
Tgt Ion:163 Resp: 709804

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

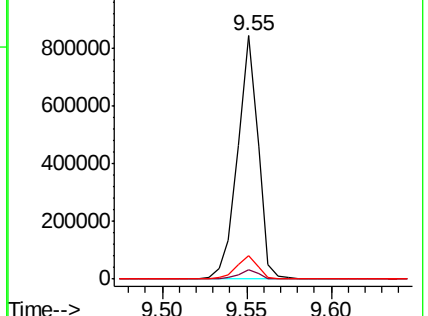
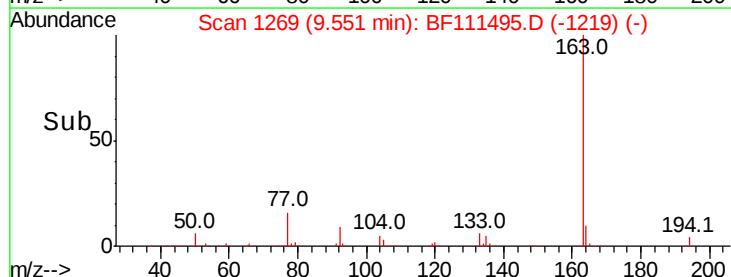
164 9.9 8.9 13.3

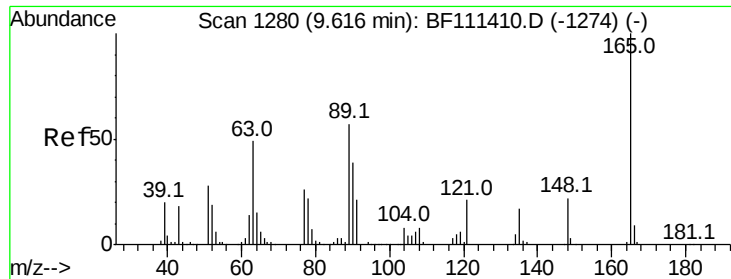


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

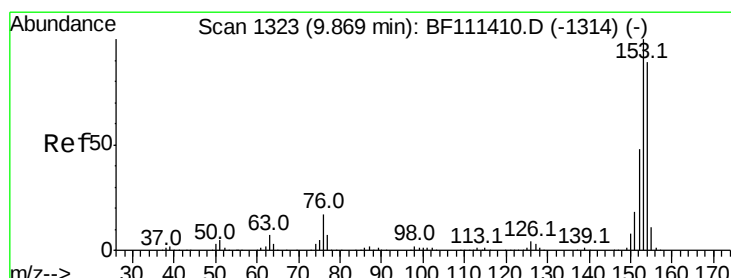
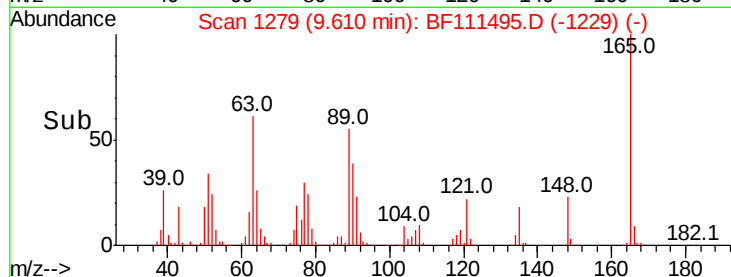
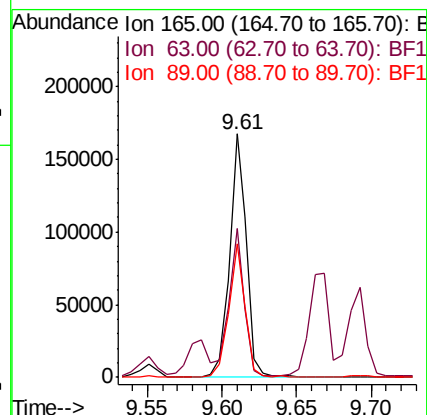
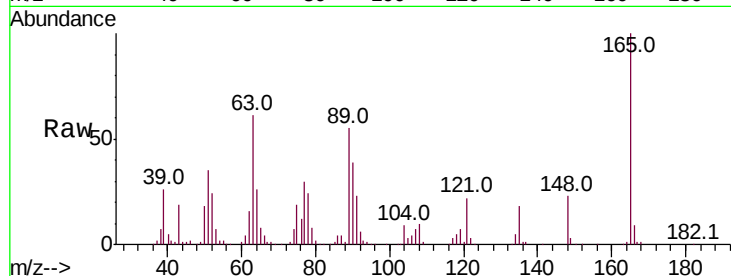




#51
 2,6-Dinitrotoluene
 Concen: 41.552 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

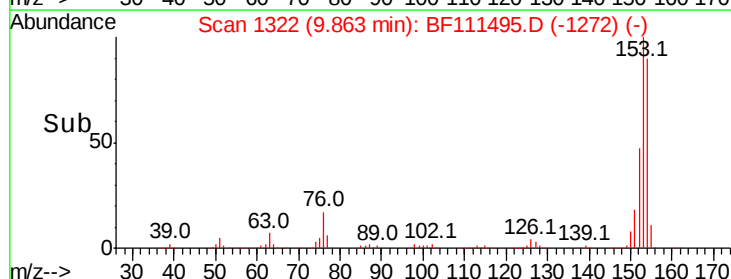
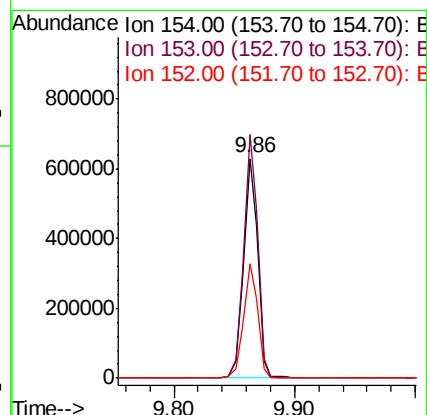
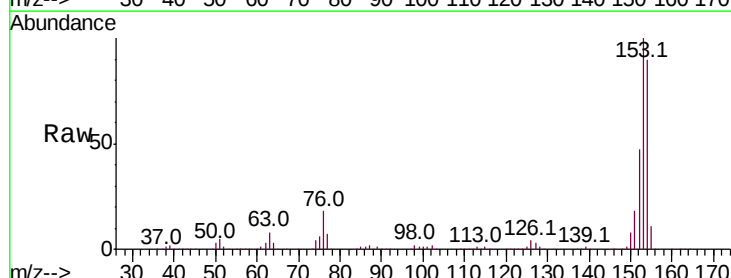
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

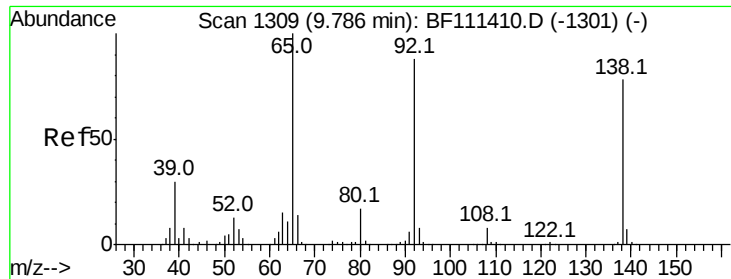
Tot Ion	Ratio	Lower	Upper
165	100		
63	60.9	40.5	60.7#
89	55.0	40.0	60.0



#52
 Acenaphthene
 Concen: 43.183 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	87.8	131.8
152	52.3	43.4	65.2

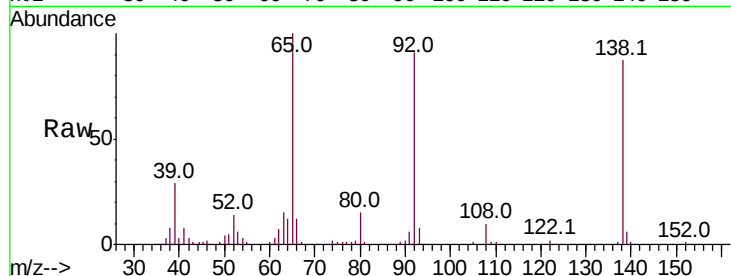




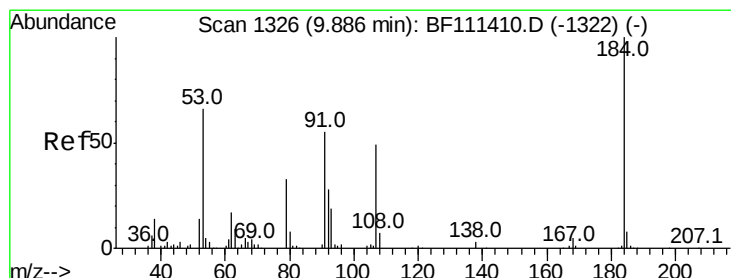
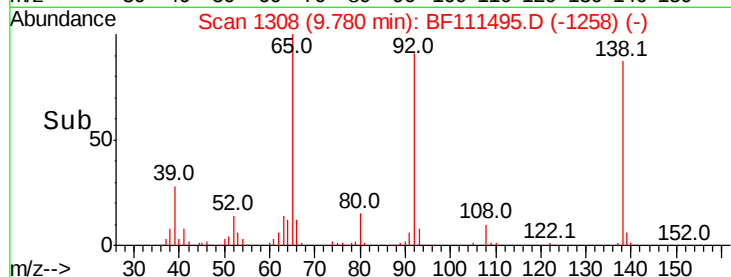
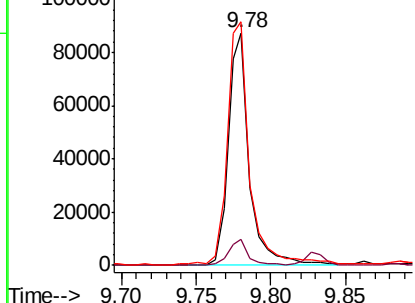
#53
3-Nitroaniline
Concen: 22.324 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:138 Resp: 87248
Ion Ratio Lower Upper
138 100
108 11.1 8.2 12.4
92 104.9 93.4 140.2

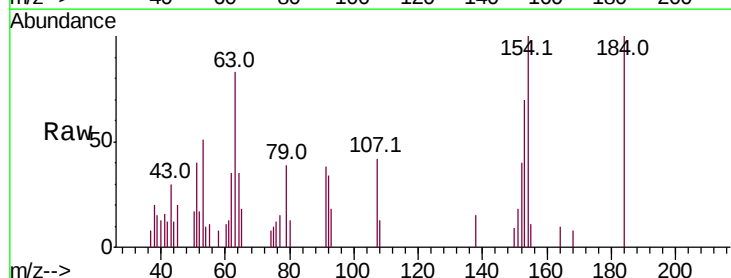


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

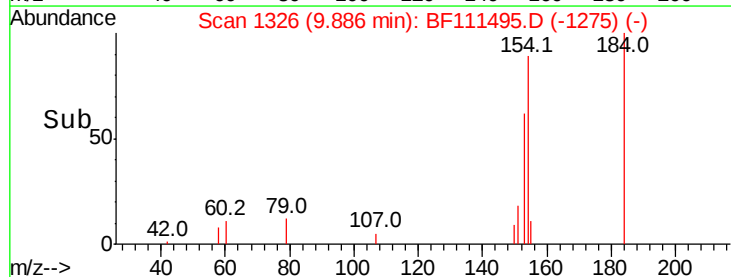
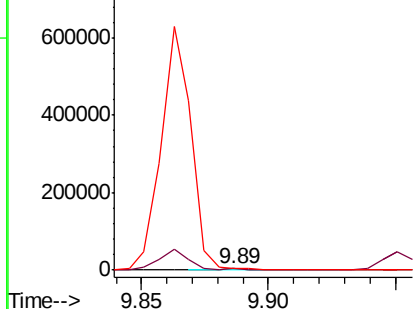


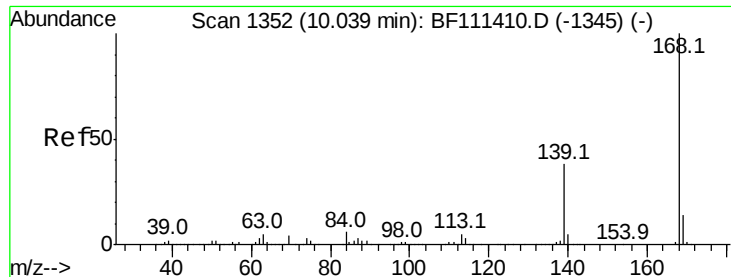
#54
2,4-Dinitrophenol
Concen: 3.045 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:184 Resp: 3727
Ion Ratio Lower Upper
184 100
63 83.1 62.3 93.5
154 100.4 56.2 84.2#



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





#55

Dibenzenofuran

Concen: 44.073 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

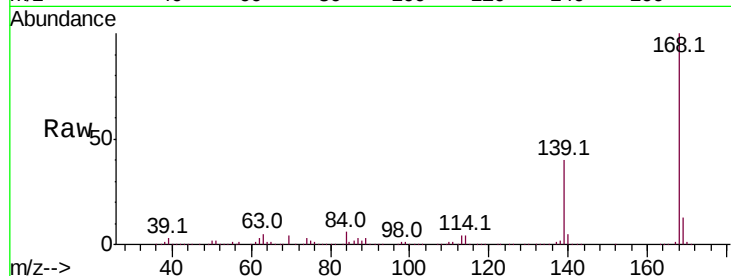
Tot Ion:168 Resp: 767293

Ion Ratio Lower Upper

168 100

139 39.6 32.6 49.0

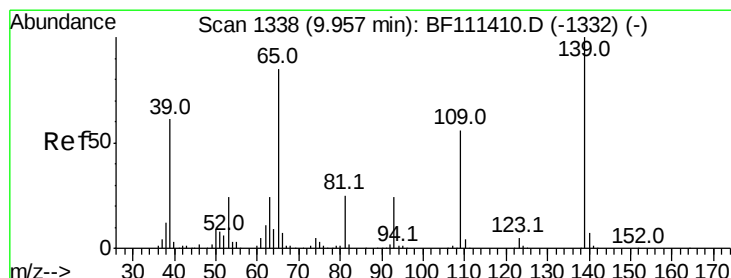
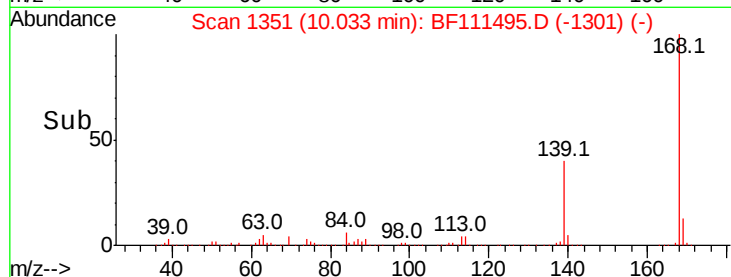
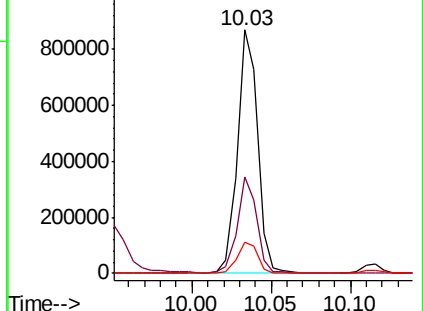
169 13.0 11.8 17.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 63.832 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

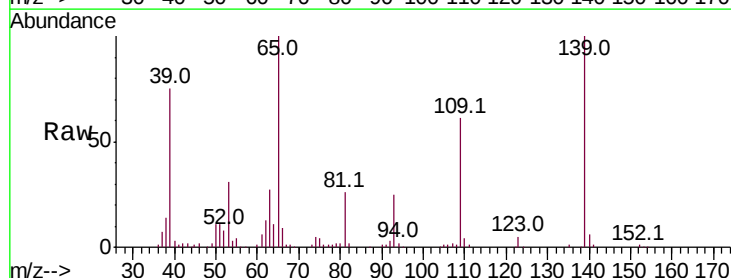
Tgt Ion:139 Resp: 172647

Ion Ratio Lower Upper

139 100

109 60.6 41.8 81.8

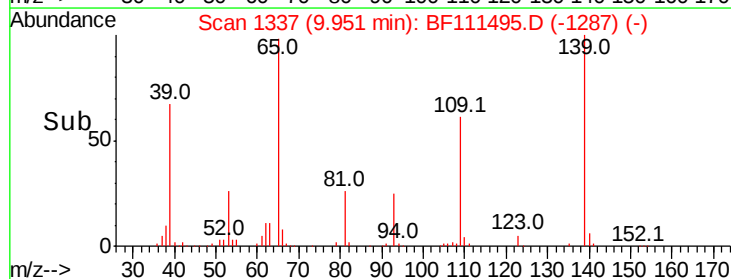
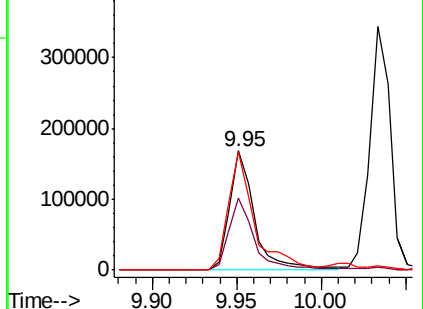
65 99.5 79.6 119.6

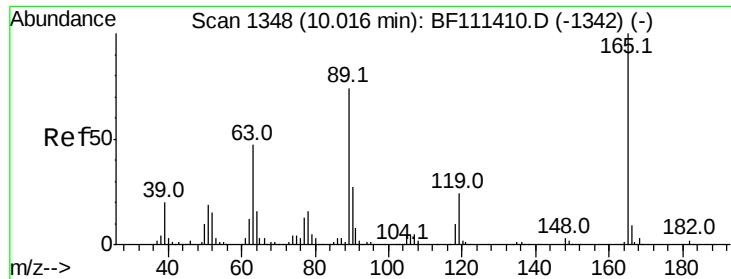


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

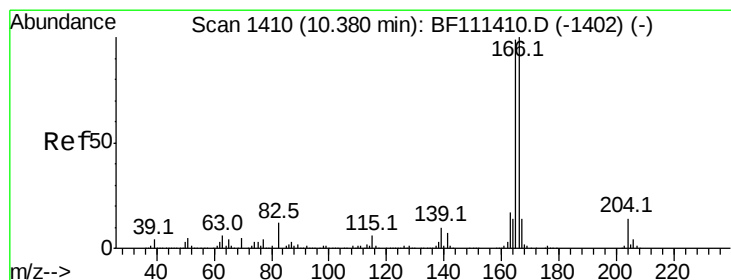
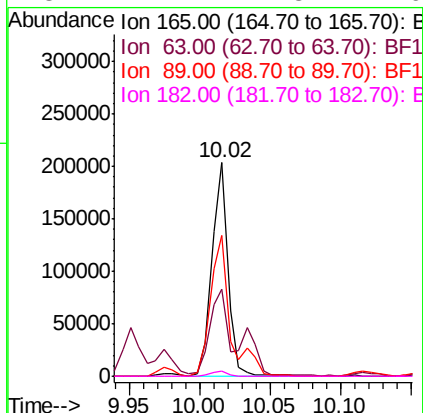
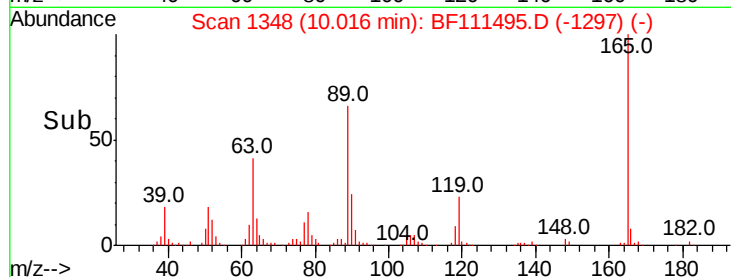
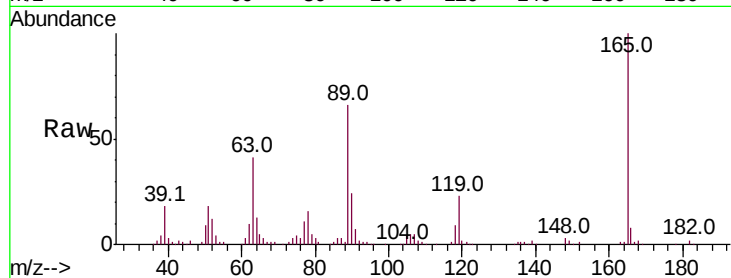




#57
2,4-Dinitrotoluene
Concen: 38.438 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

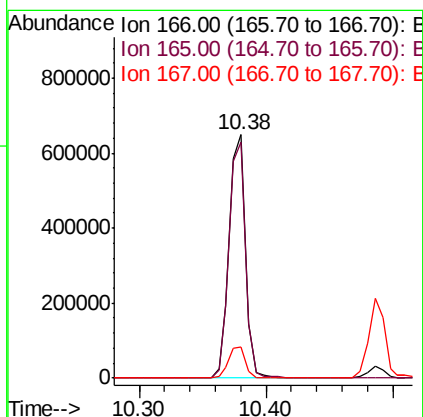
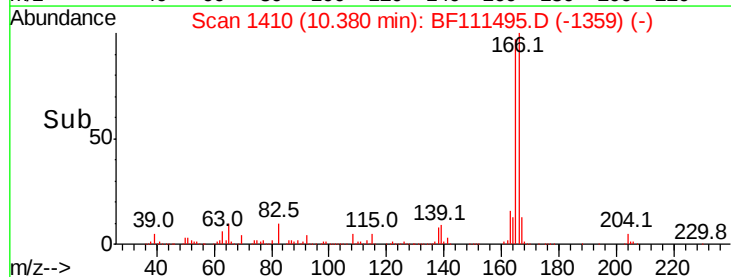
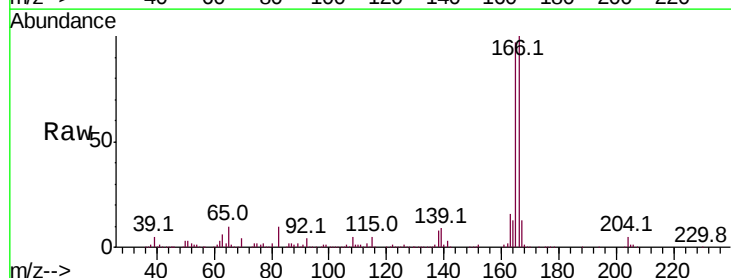
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

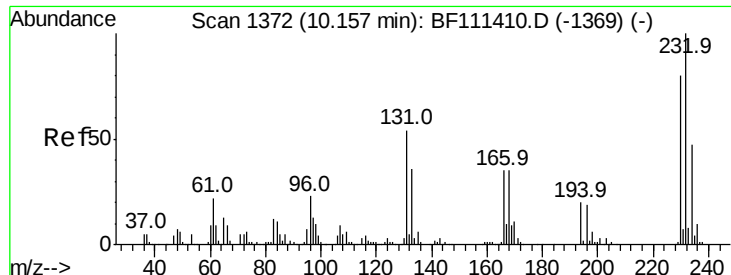
Tot Ion	Ratio	Lower	Upper
165	100		
63	41.0	34.6	52.0
89	65.9	56.2	84.4
182	2.4	1.8	2.6



#58
Fluorene
Concen: 45.716 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	12.8	11.2	16.8

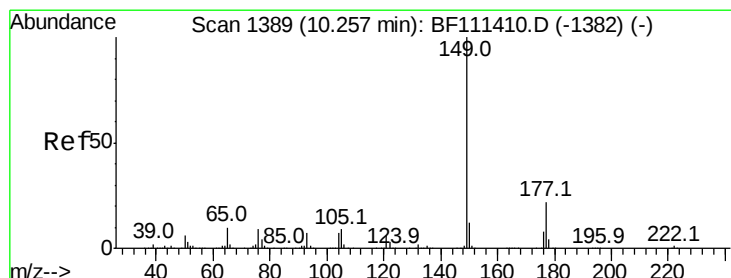
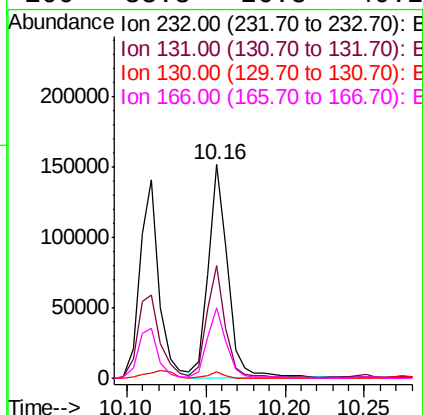
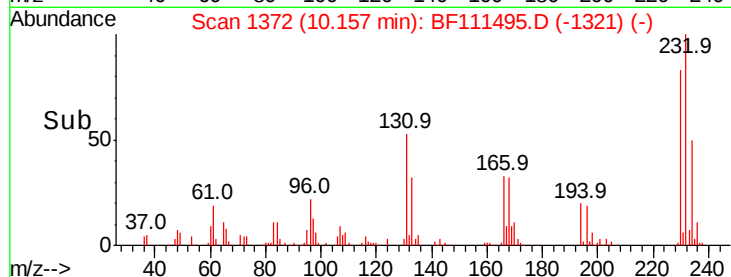
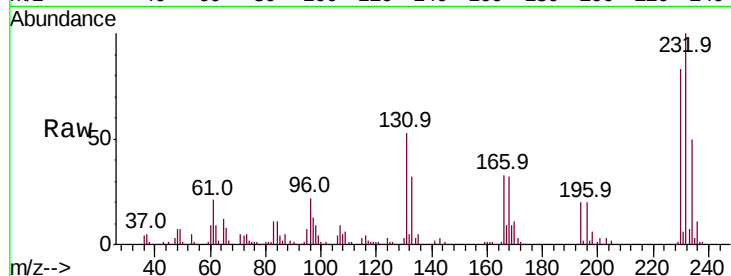




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.001 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

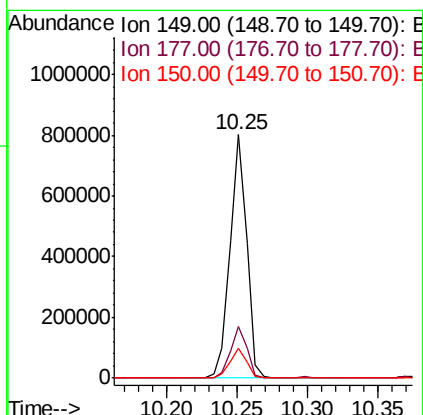
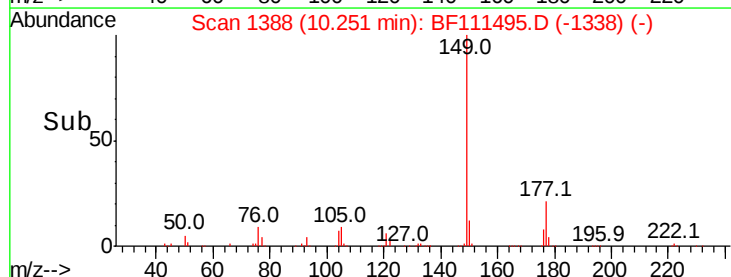
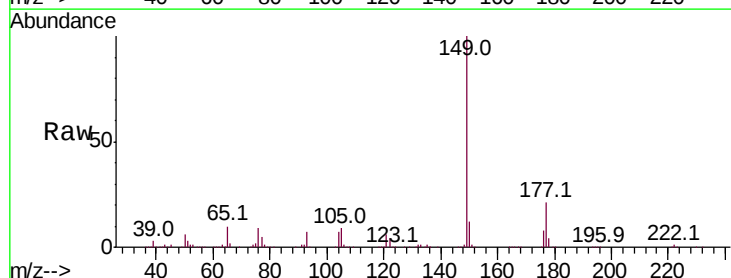
Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

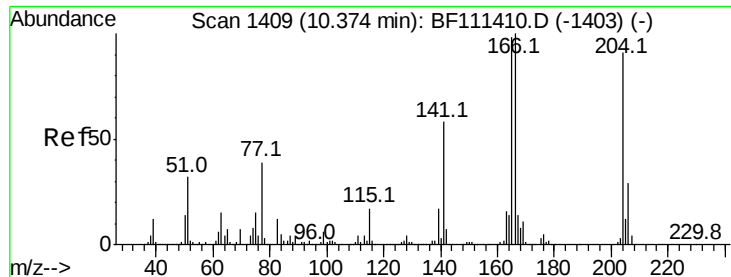
Tot Ion	Ratio	Lower	Upper
232	100		
131	50.7	40.9	61.3
130	2.5	2.0	3.0
166	33.3	26.8	40.2



#60
Diethylphthalate
Concen: 45.483 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.1	18.3	27.5
150	12.4	10.6	15.8

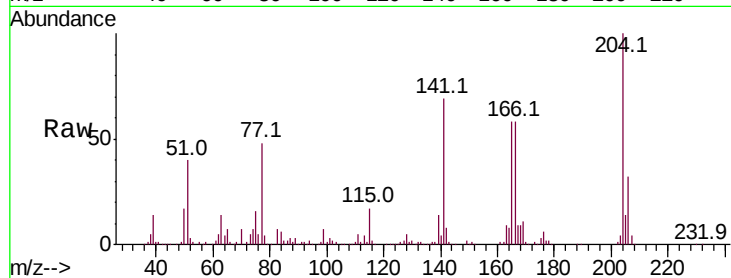




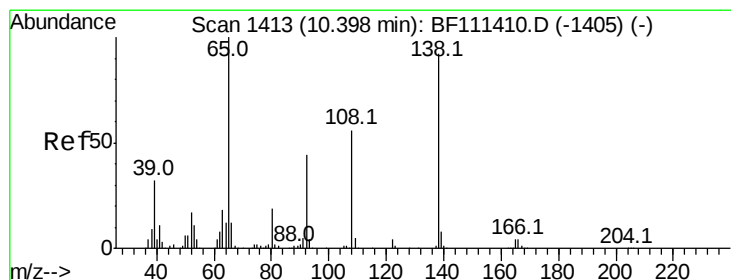
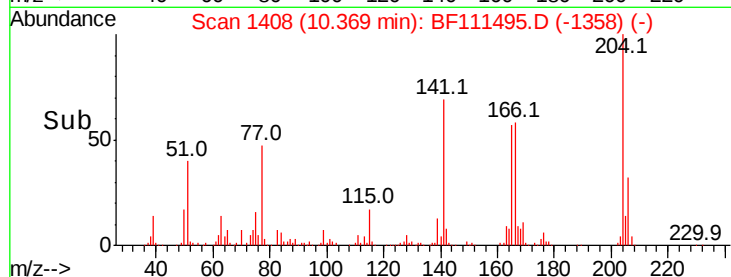
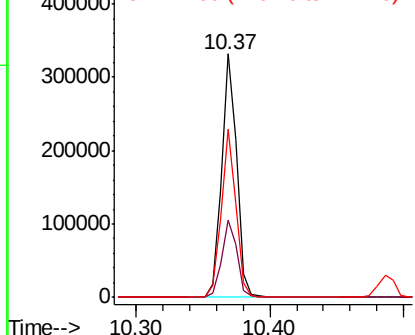
#61
4-Chlorophenyl-phenylether
Concen: 42.941 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:204 Resp: 265293
Ion Ratio Lower Upper
204 100
206 31.8 26.6 39.8
141 68.9 52.6 78.8

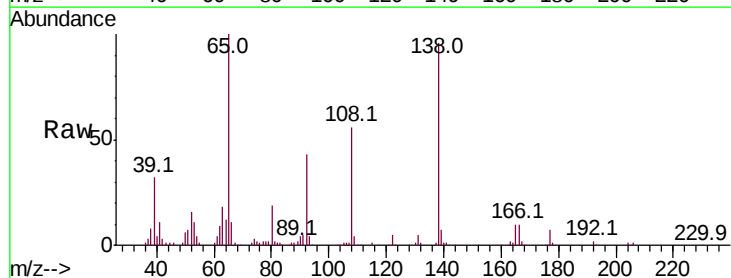


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

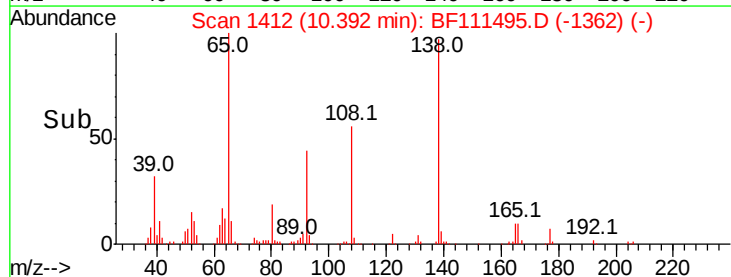
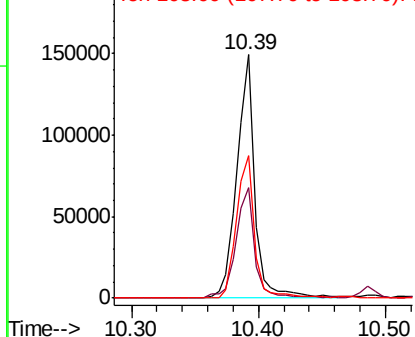


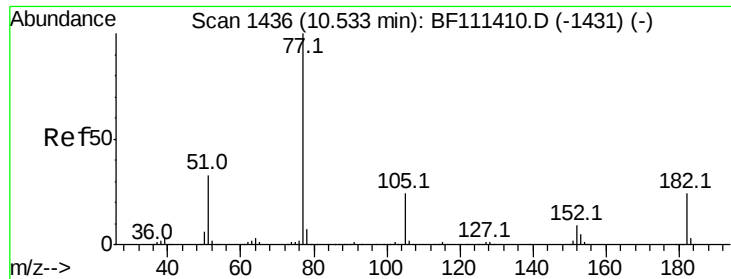
#62
4-Nitroaniline
Concen: 37.666 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:138 Resp: 145729
Ion Ratio Lower Upper
138 100
92 45.4 29.9 69.9
108 58.4 43.2 83.2



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





#63

Azobenzene

Concen: 40.530 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

Tot Ion: 77 Resp: 578583

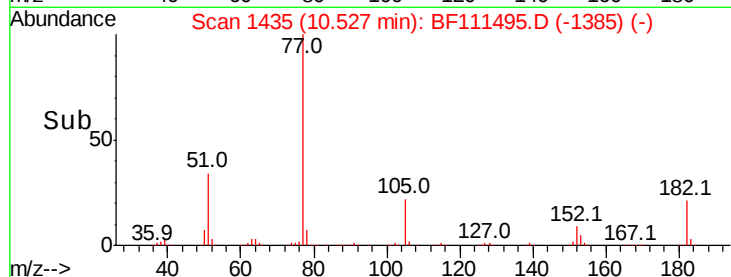
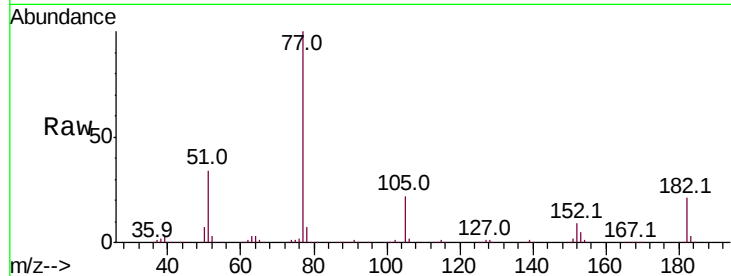
Ion Ratio Lower Upper

77 100

182 20.8 4.9 44.9

105 22.1 6.0 46.0

51 34.2 14.7 54.7

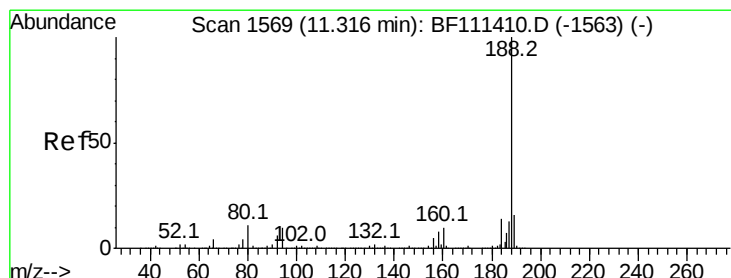
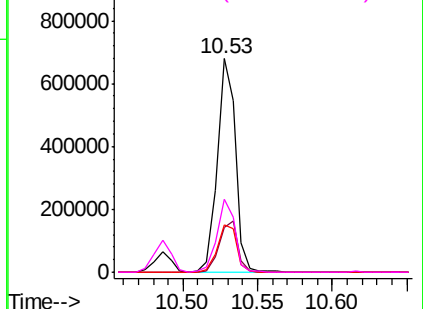


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

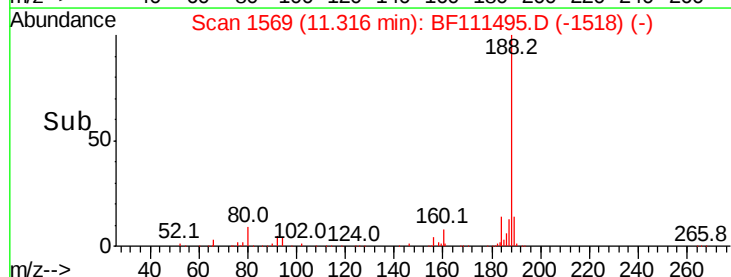
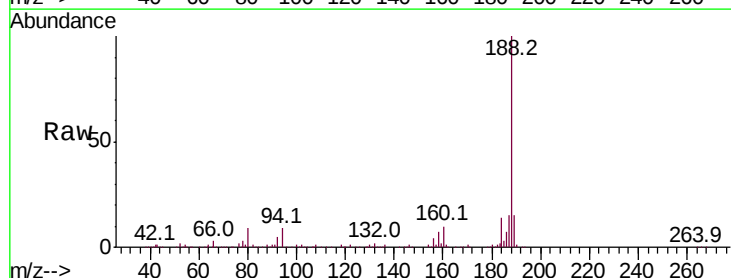
Tgt Ion: 188 Resp: 305683

Ion Ratio Lower Upper

188 100

94 8.6 9.6 14.4#

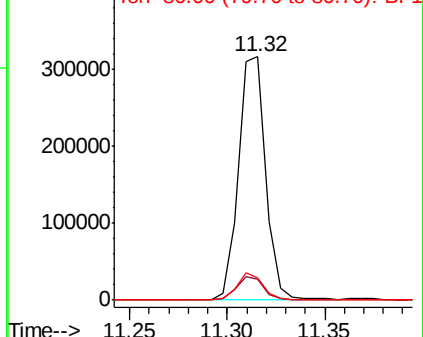
80 9.2 9.8 14.6#

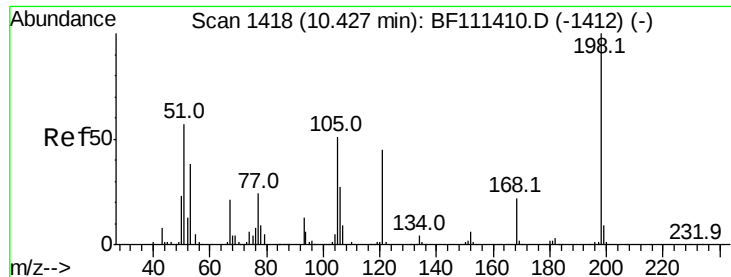


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 3.491 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

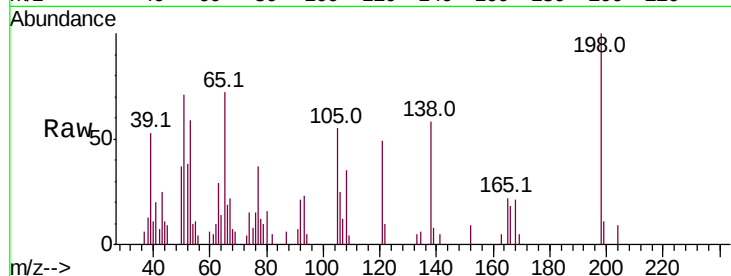
Tot Ion:198 Resp: 6025

Ion Ratio Lower Upper

198 100

51 71.4 48.0 88.0

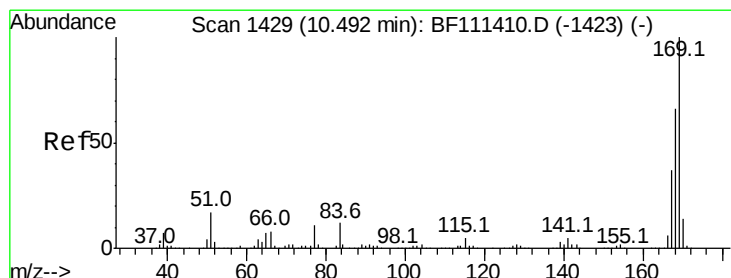
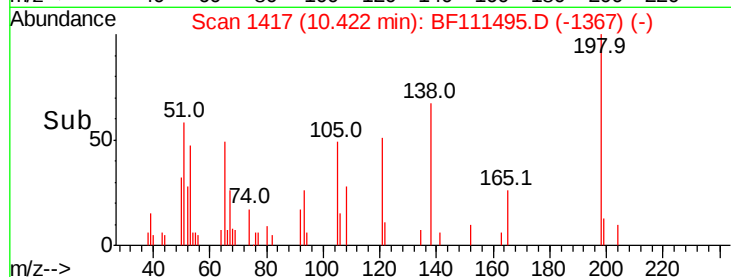
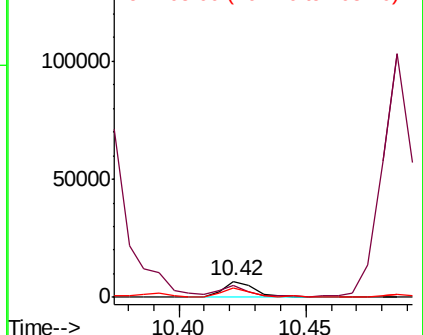
105 54.9 34.0 74.0



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.232 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

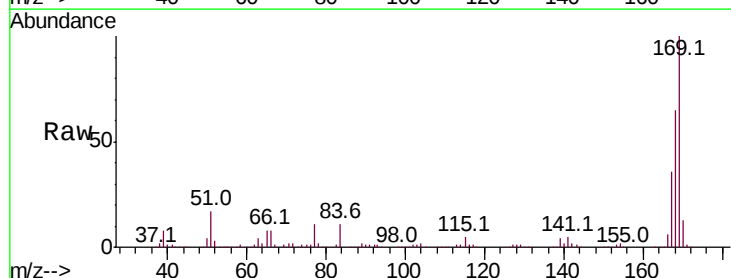
Tgt Ion:169 Resp: 508430

Ion Ratio Lower Upper

169 100

168 65.0 54.4 81.6

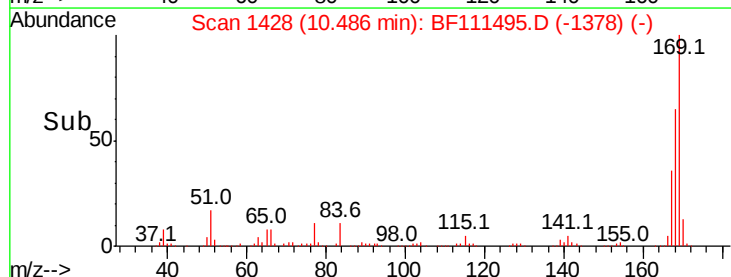
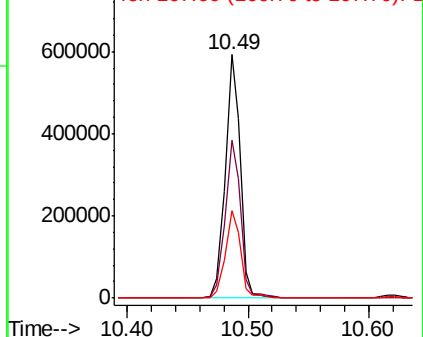
167 36.2 30.5 45.7

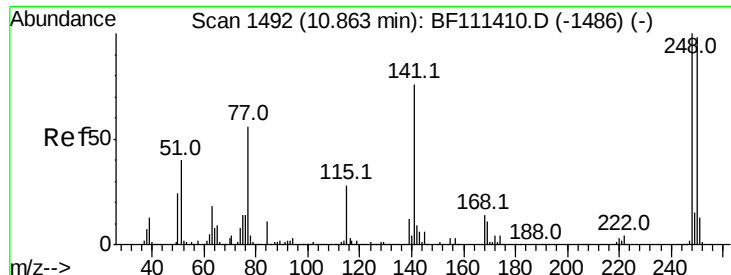


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

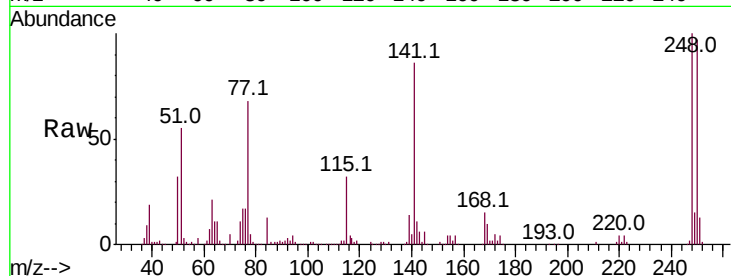




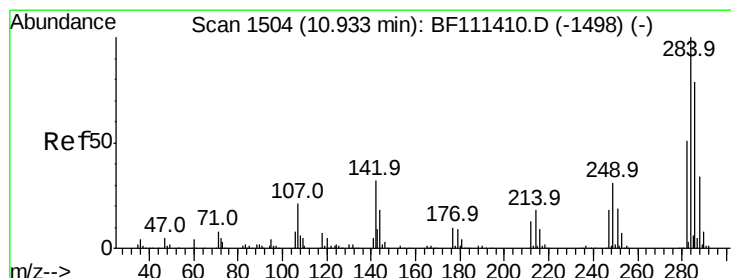
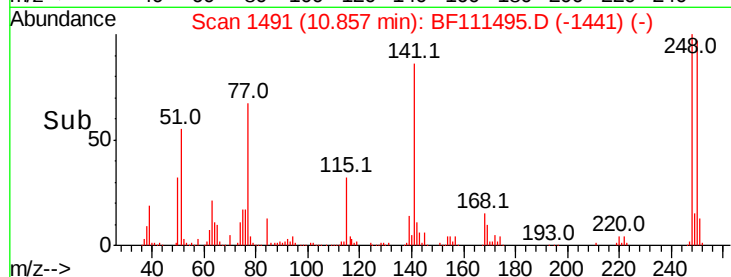
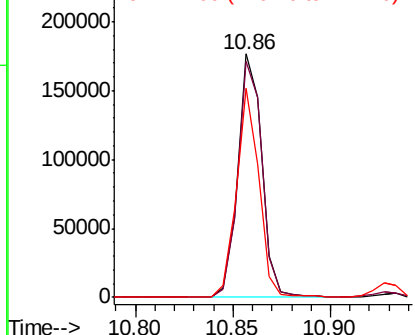
#67
4-Bromophenyl-phenylether
Concen: 45.585 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:248 Resp: 150186
Ion Ratio Lower Upper
248 100
250 97.1 77.0 115.4
141 85.9 63.0 94.6

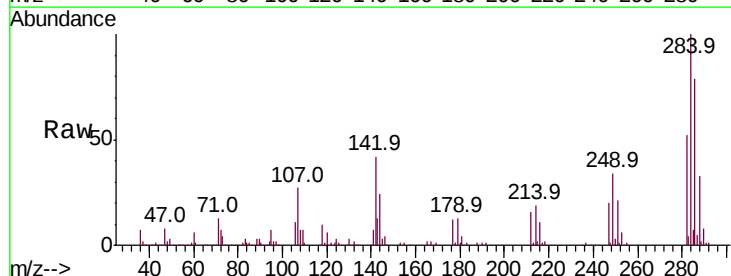


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

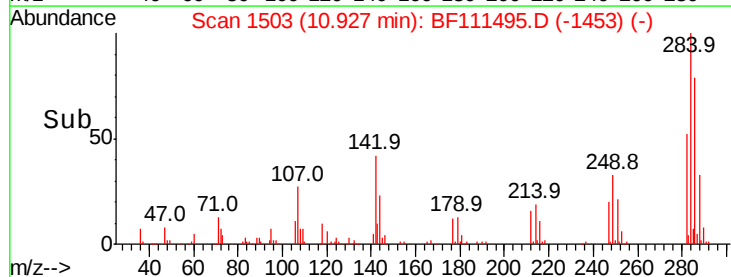
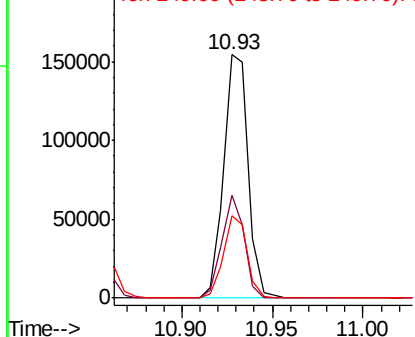


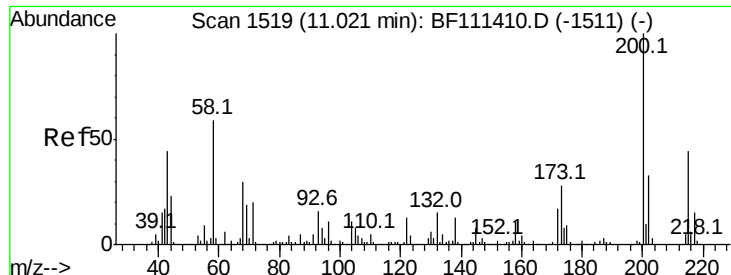
#68
Hexachlorobenzene
Concen: 42.765 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:284 Resp: 144933
Ion Ratio Lower Upper
284 100
142 42.2 27.4 41.2#
249 33.7 24.4 36.6



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

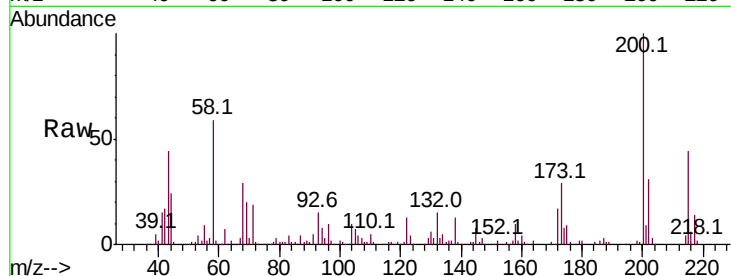




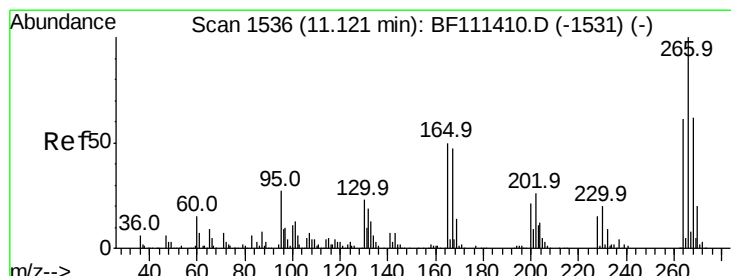
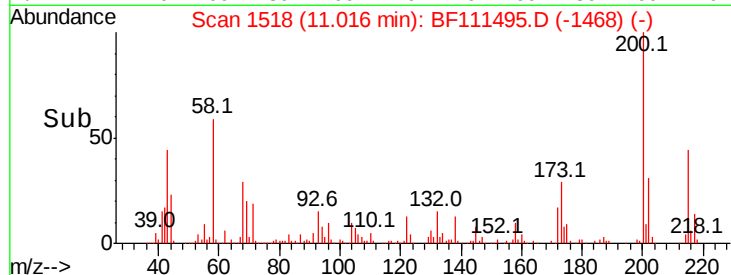
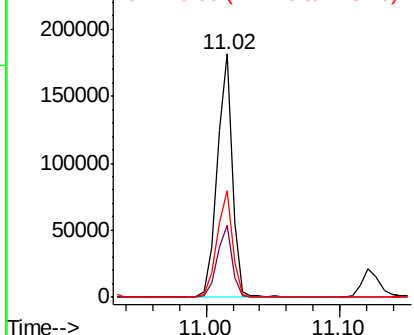
#69
Atrazine
Concen: 48.261 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.5	10.1	50.1
215	43.8	26.9	66.9

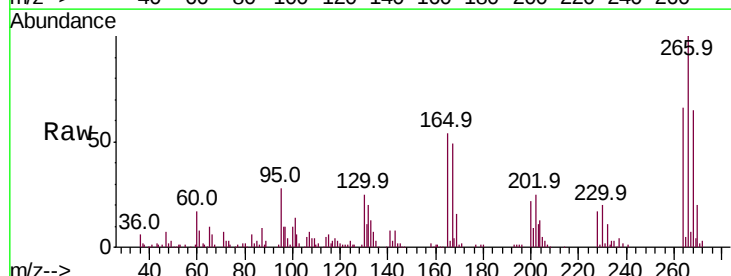


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

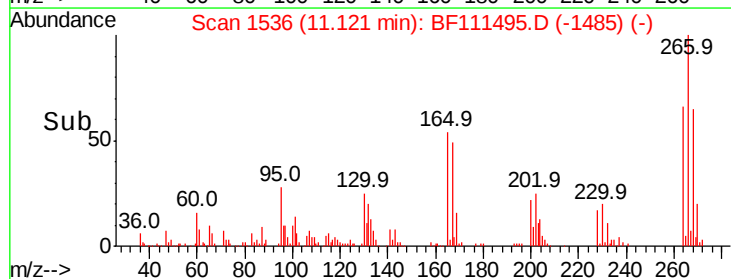
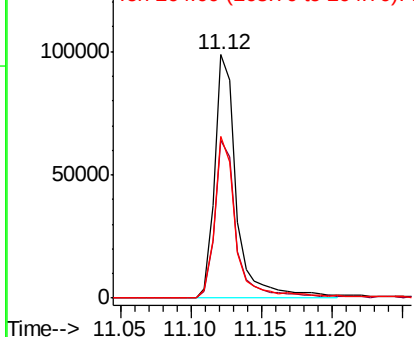


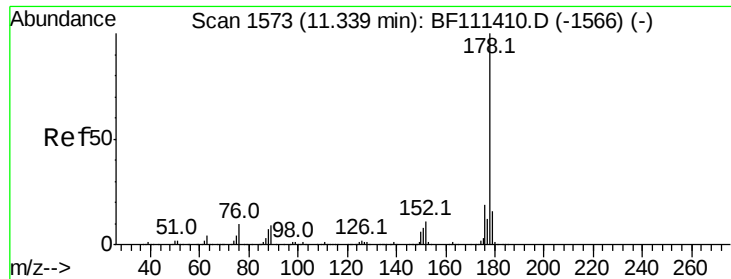
#70
Pentachlorophenol
Concen: 51.636 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	47.9	71.9
264	66.2	49.1	73.7



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





#71

Phenanthrene

Concen: 48.499 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

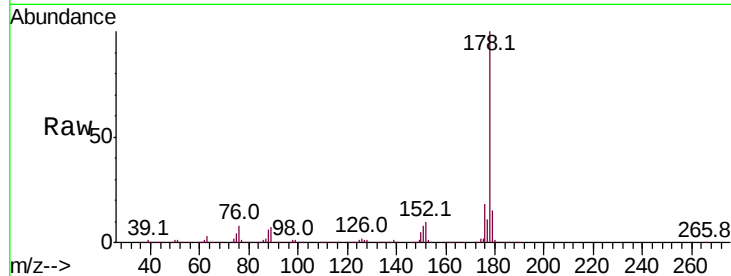
Tot Ion:178 Resp: 763918

Ion Ratio Lower Upper

178 100

176 18.5 18.1 27.1

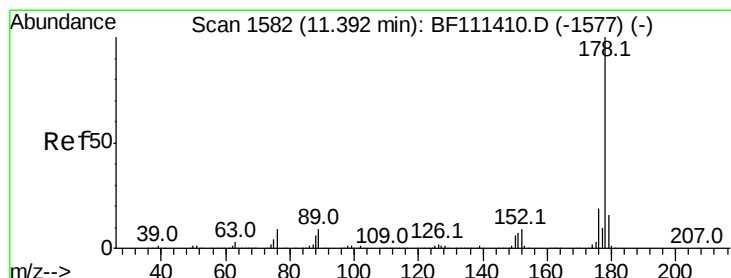
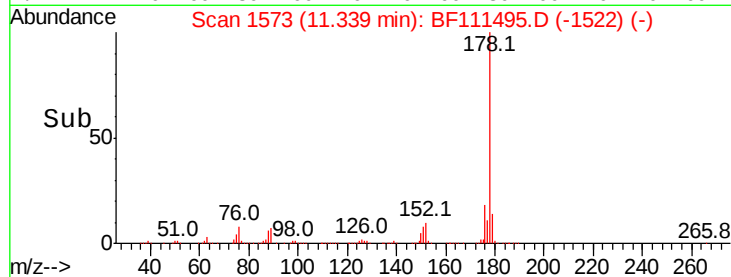
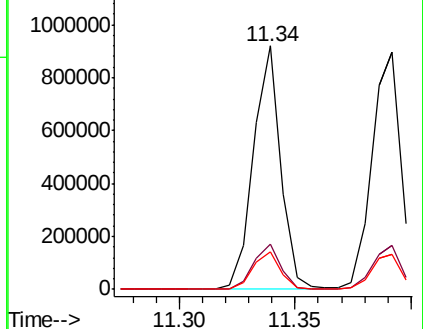
179 15.2 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 49.821 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

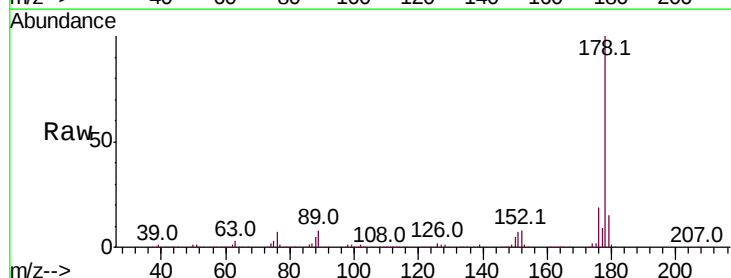
Tgt Ion:178 Resp: 802545

Ion Ratio Lower Upper

178 100

176 18.7 17.2 25.8

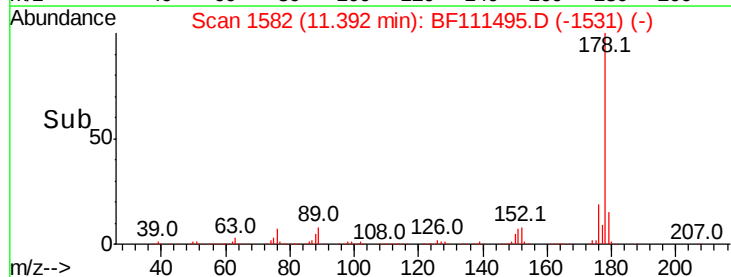
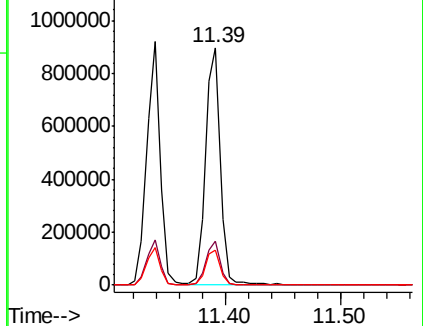
179 14.9 13.8 20.8

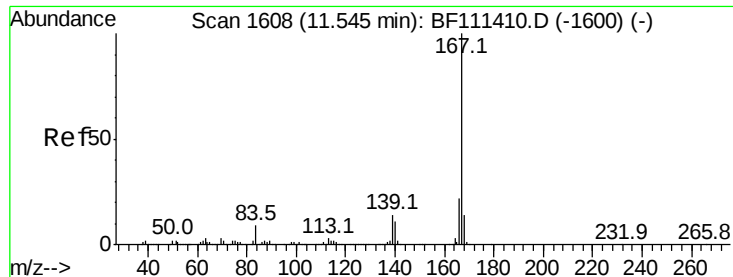


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

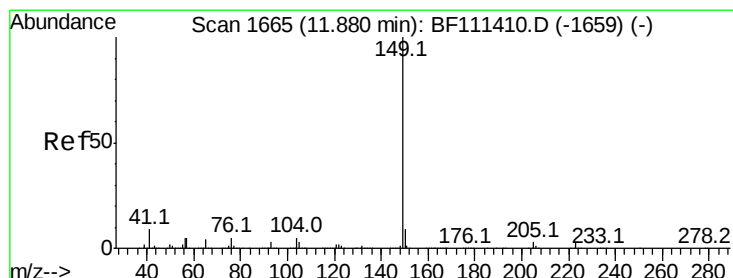
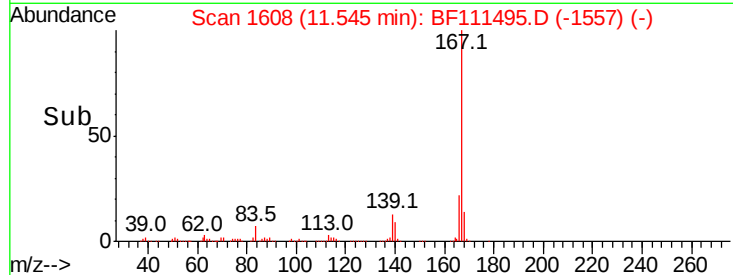
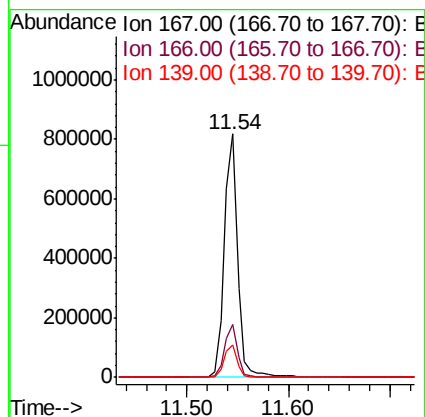
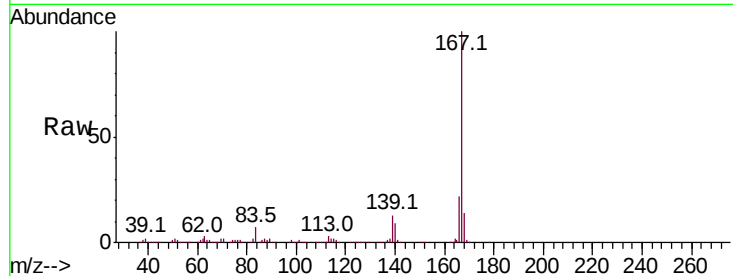




#73
 Carbazole
 Concen: 44.878 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

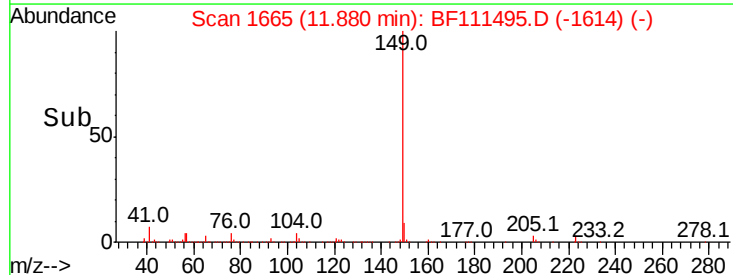
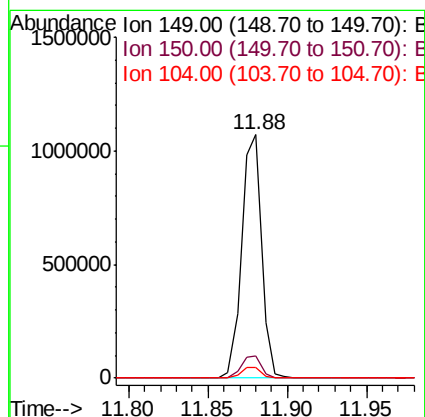
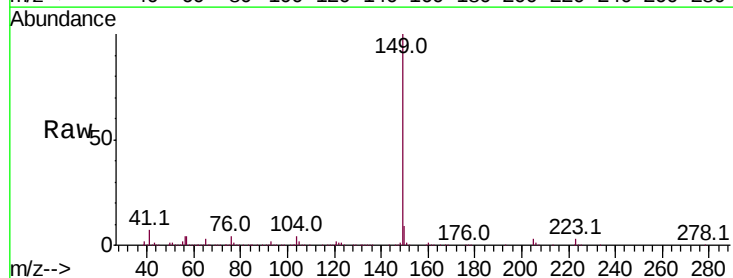
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-AMSD

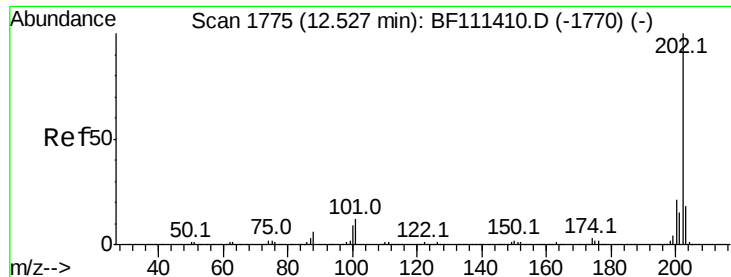
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	19.3	28.9
139	13.1	11.9	17.9



#74
 Di-n-butylphthalate
 Concen: 50.302 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: BF111495.D
 Acq: 16 Dec 2018 5:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	8.8	13.2
104	4.3	4.5	6.7#





#75

Fluoranthene

Concen: 53.372 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

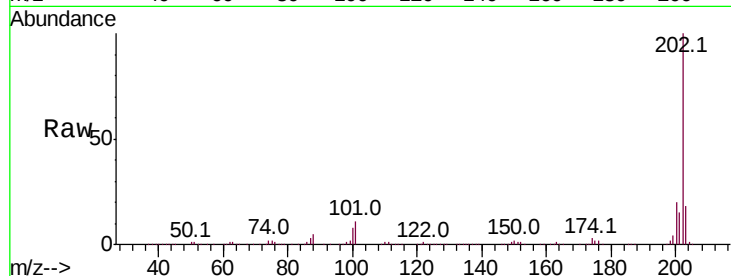
Tot Ion:202 Resp: 822438

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.8

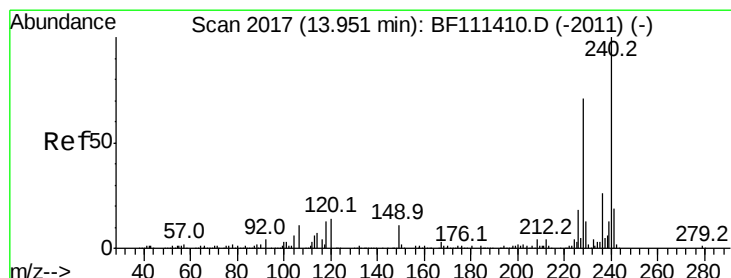
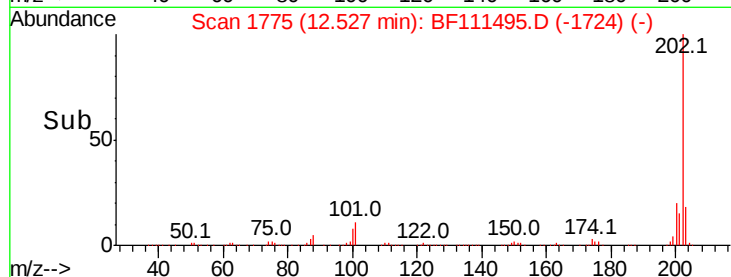
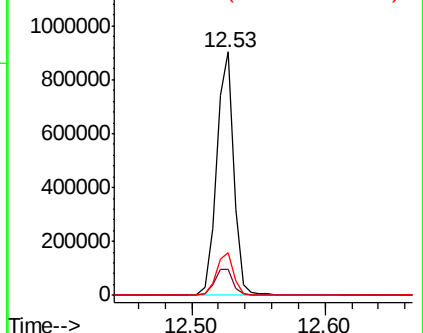
203 17.5 0.0 38.6



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: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

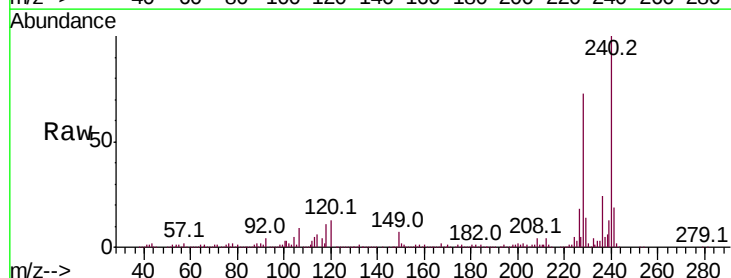
Tgt Ion:240 Resp: 266446

Ion Ratio Lower Upper

240 100

120 13.1 12.2 18.2

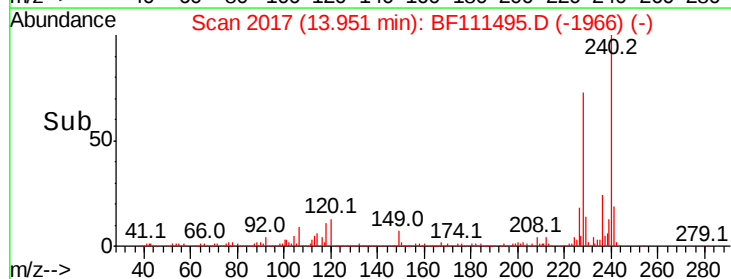
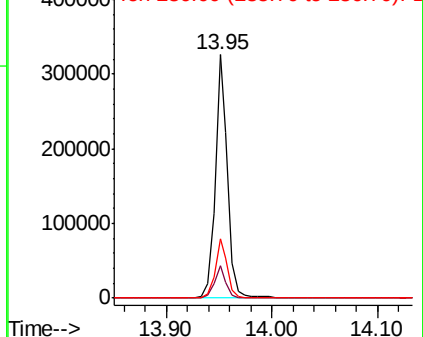
236 24.3 20.2 30.2

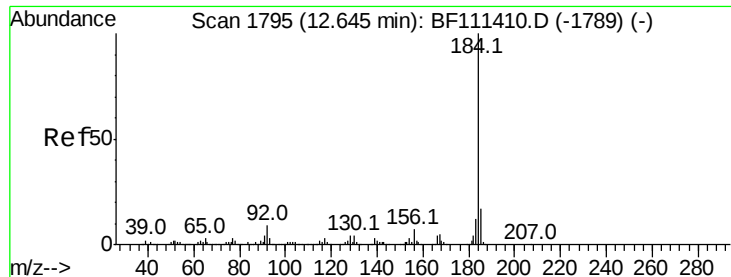


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 37.050 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

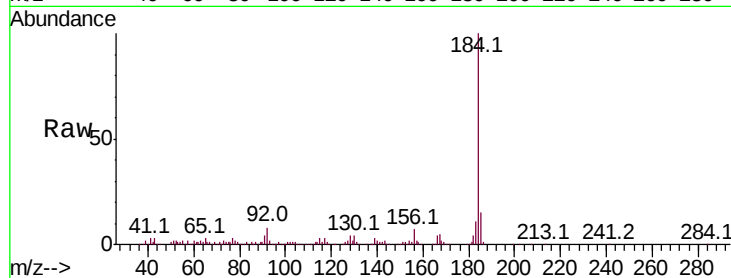
Tot Ion:184 Resp: 362891

Ion Ratio Lower Upper

184 100

185 14.6 13.0 19.6

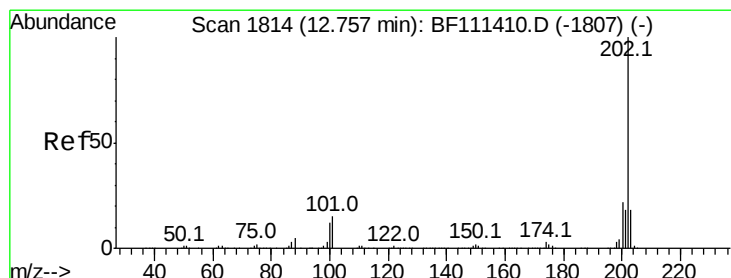
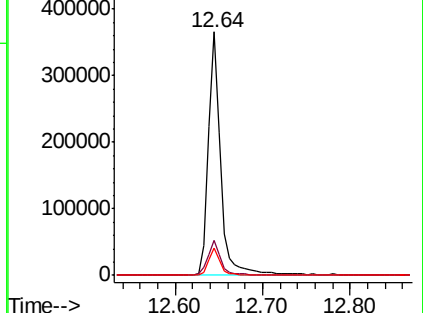
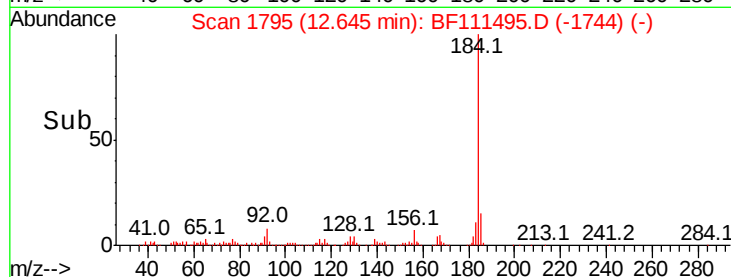
183 11.1 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.510 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

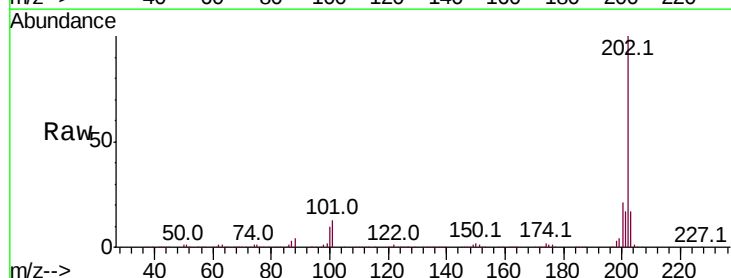
Tgt Ion:202 Resp: 854921

Ion Ratio Lower Upper

202 100

200 20.7 19.0 28.4

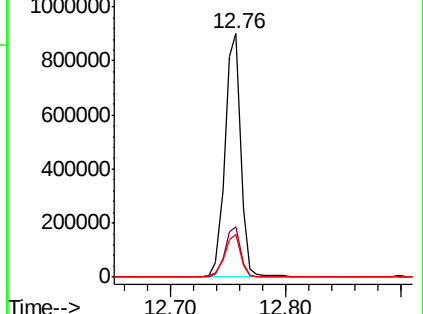
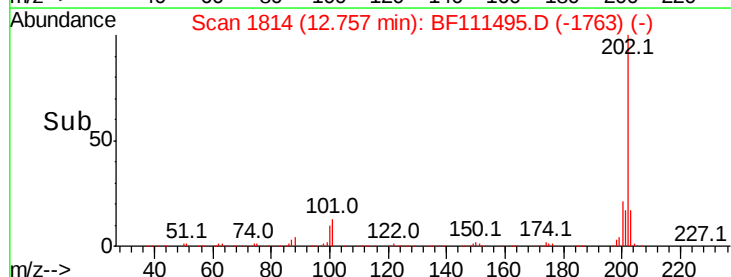
203 17.3 15.2 22.8

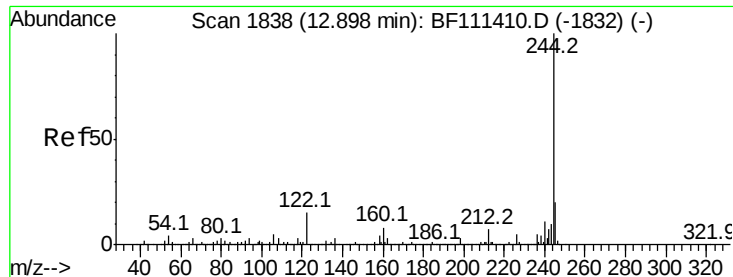


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 105.754 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

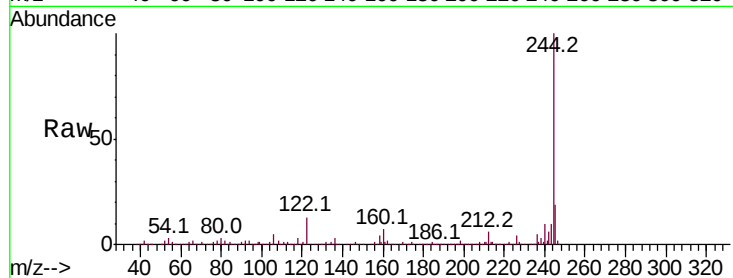
Tot Ion:244 Resp: 1199950

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

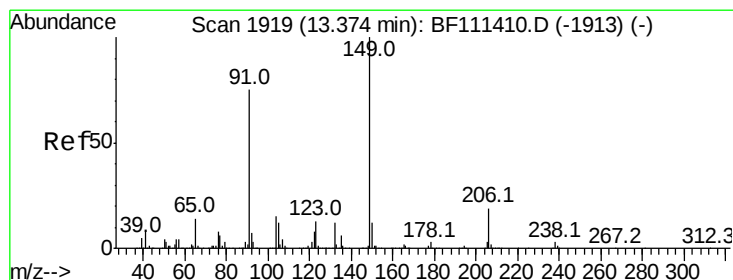
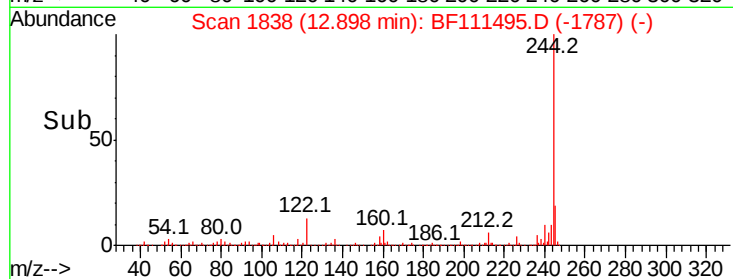
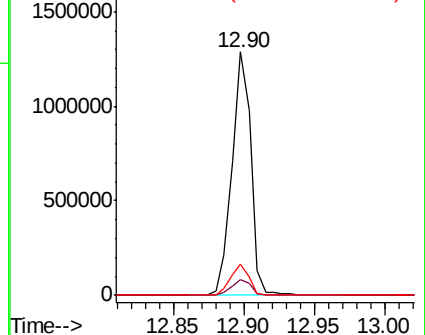
122 12.9 13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.522 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

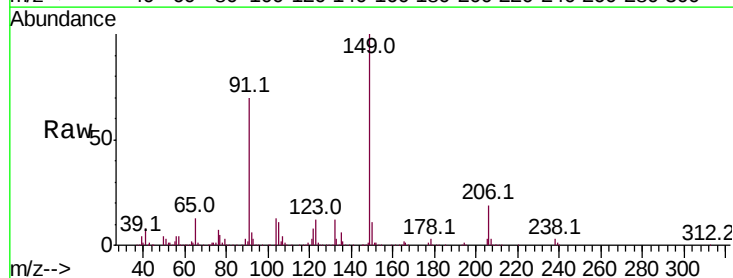
Tgt Ion:149 Resp: 416822

Ion Ratio Lower Upper

149 100

91 70.1 63.8 95.6

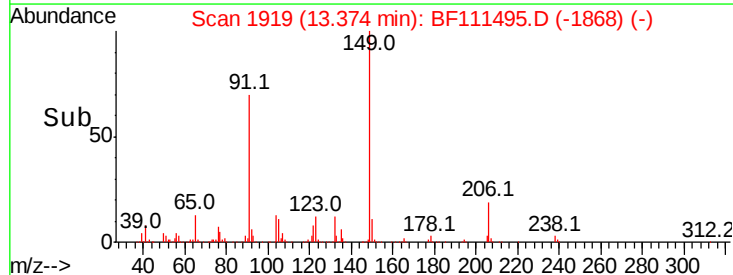
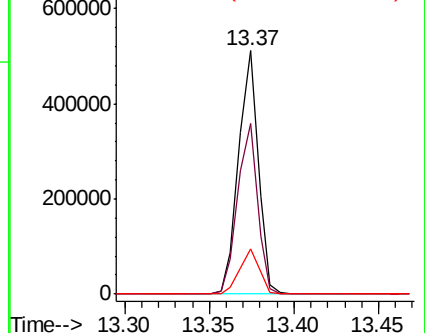
206 18.7 15.1 22.7

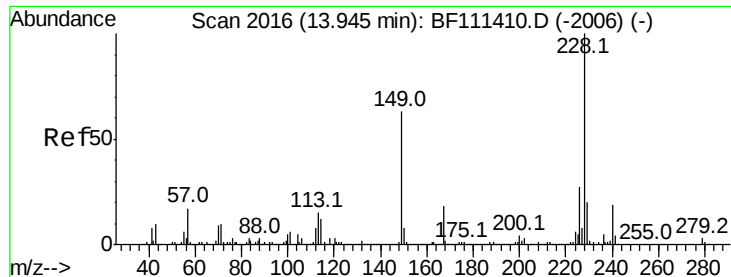


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.815 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

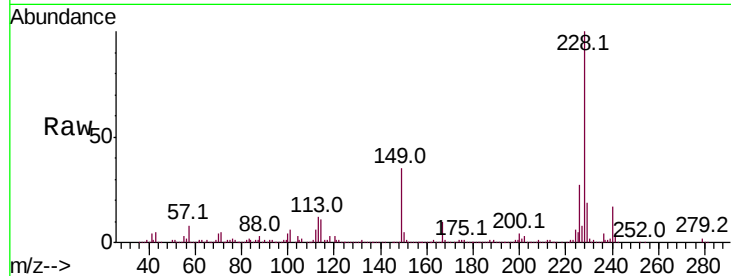
Tot Ion:228 Resp: 692731

Ion Ratio Lower Upper

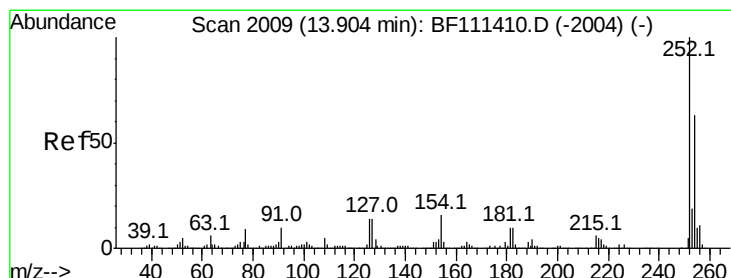
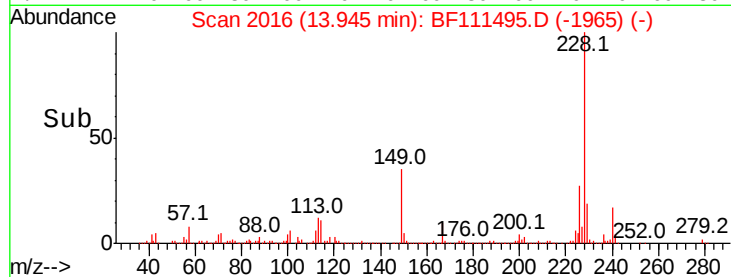
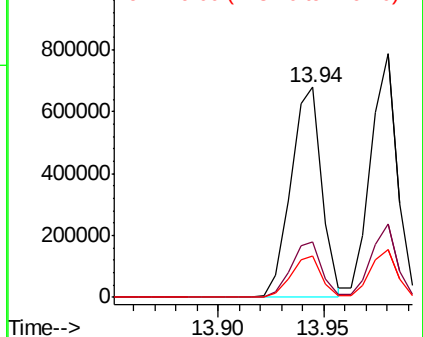
228 100

226 26.6 22.6 34.0

229 19.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.512 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

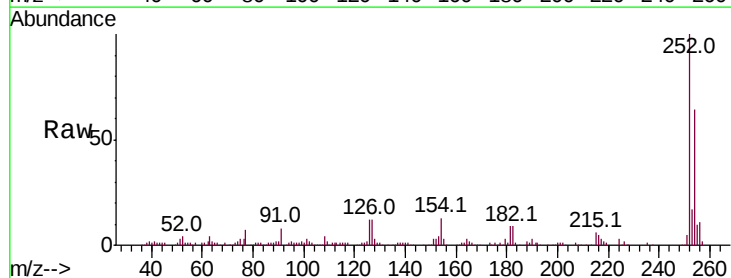
Tgt Ion:252 Resp: 144368

Ion Ratio Lower Upper

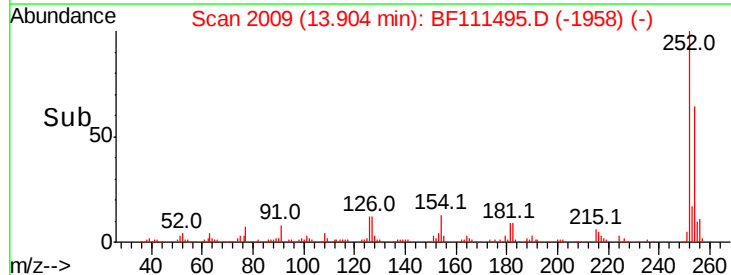
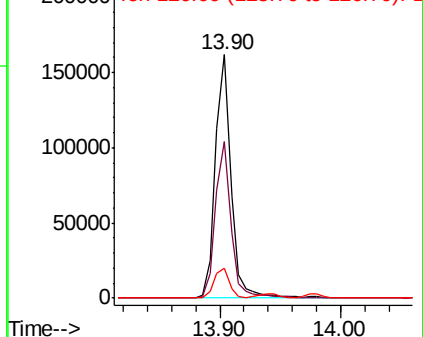
252 100

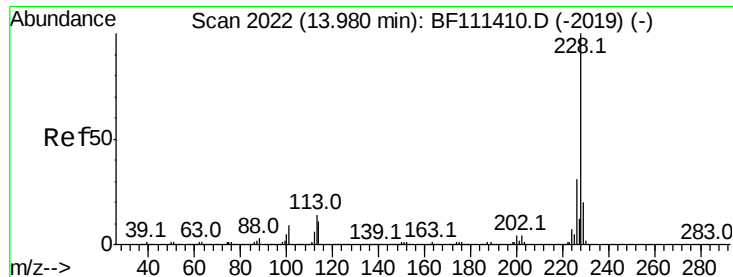
254 64.1 52.7 79.1

126 12.2 11.1 16.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 45.880 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

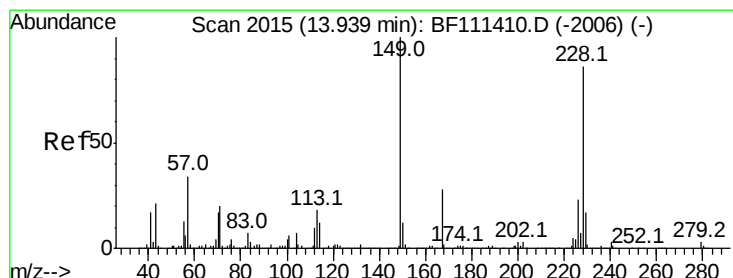
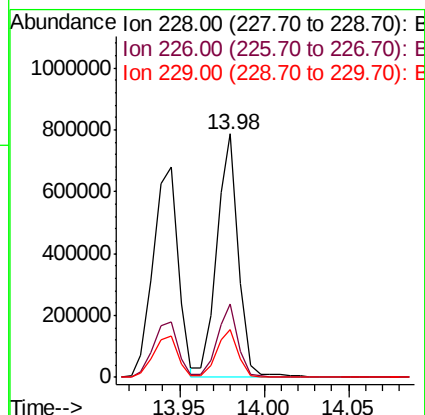
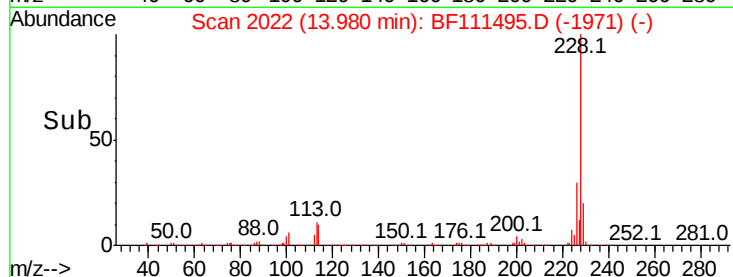
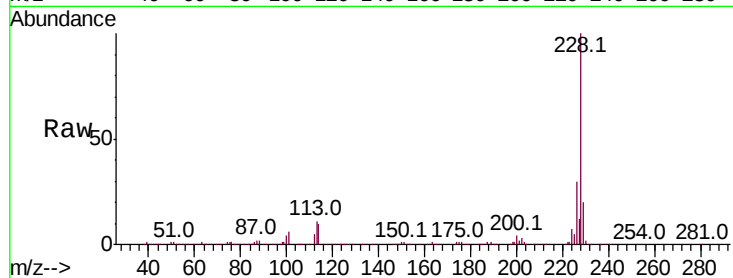
BNA_F

ClientSampleId :

SU-04-121218-AMSD

Tot Ion:228 Resp: 700227

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.3	37.9
229	19.6	17.2	25.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.996 ng

RT: 13.94 min Scan# 2015

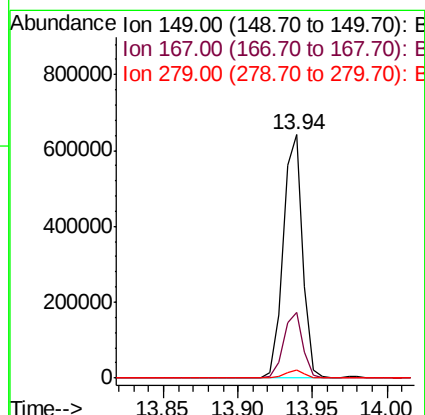
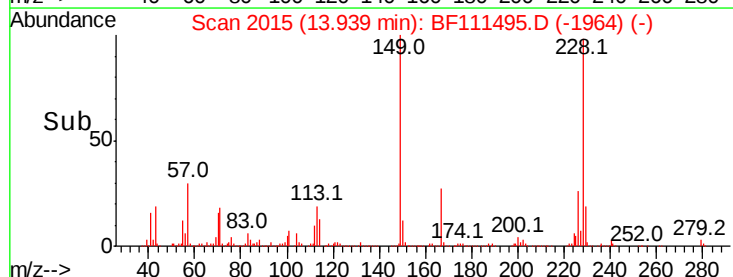
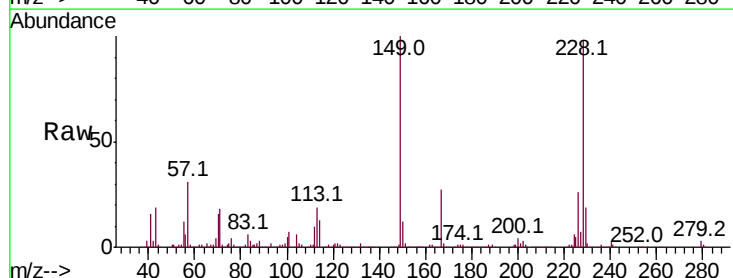
Delta R.T. -0.00 min

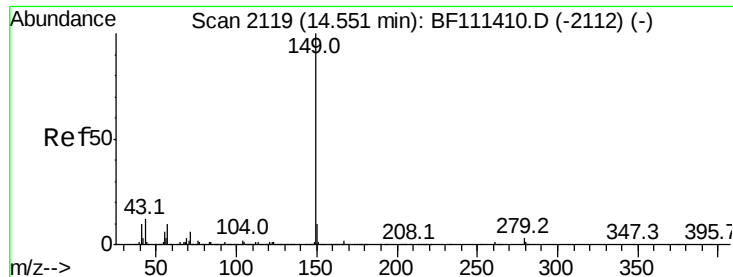
Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Tgt Ion:149 Resp: 584718

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.5	33.7
279	3.3	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 52.985 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

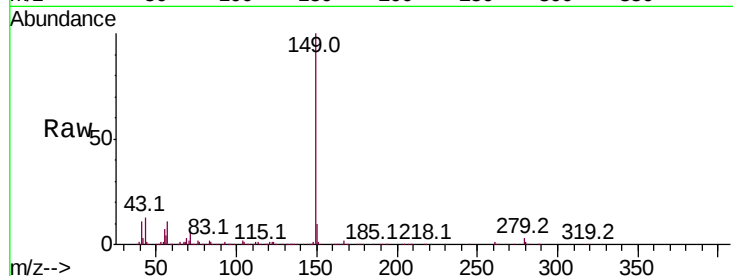
Tot Ion:149 Resp: 1045241

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

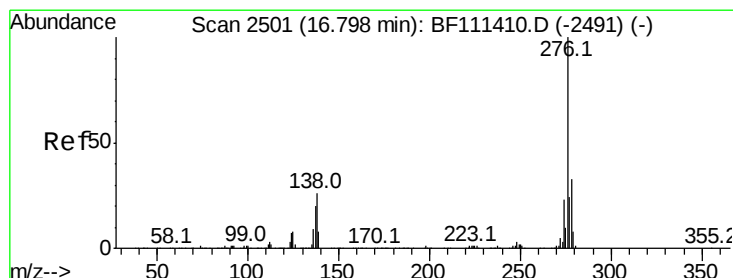
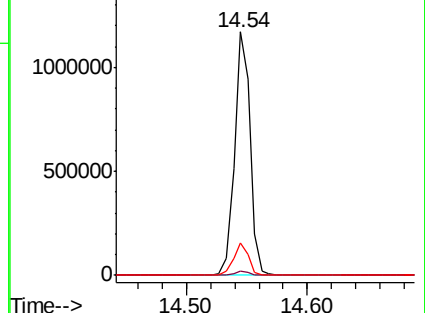
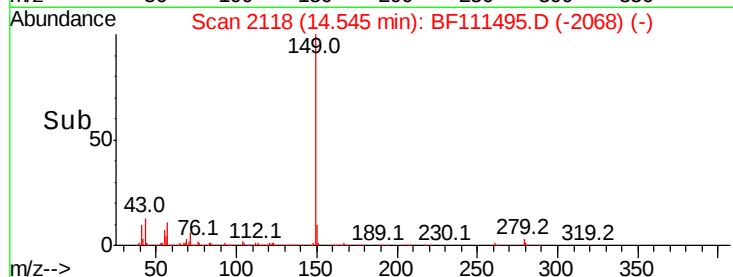
43 12.6 10.9 16.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.205 ng

RT: 16.81 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

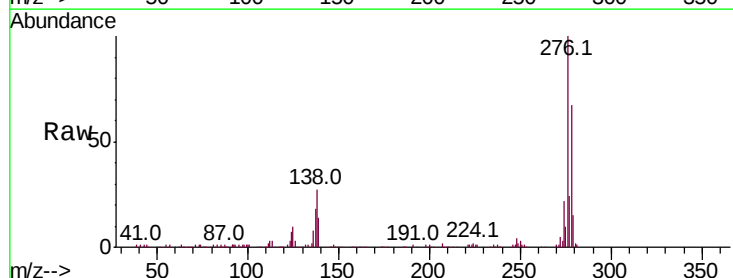
Tgt Ion:276 Resp: 442855

Ion Ratio Lower Upper

276 100

138 29.4 27.8 41.6

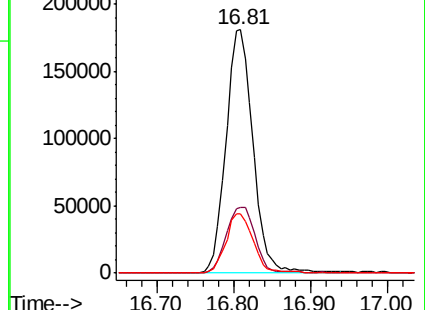
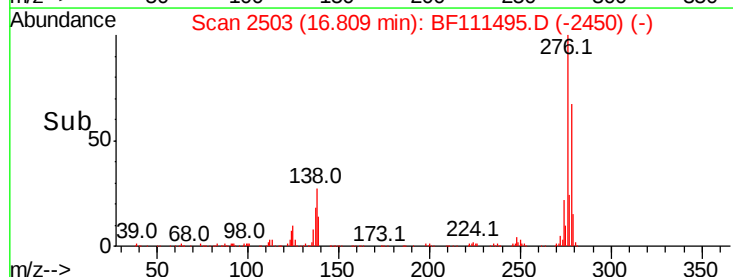
277 24.7 20.1 30.1

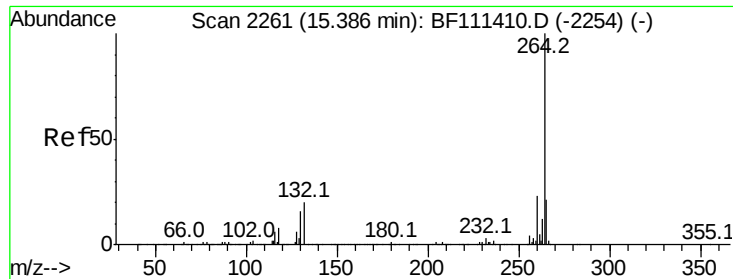


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

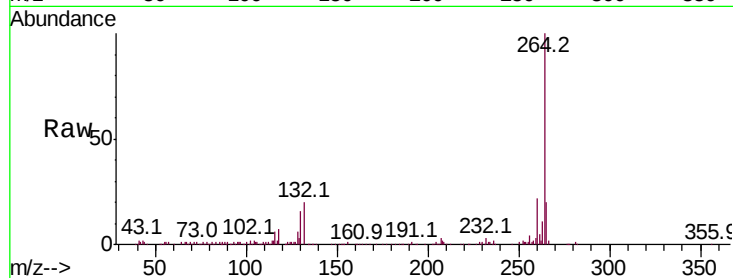
Tot Ion:264 Resp: 178375

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

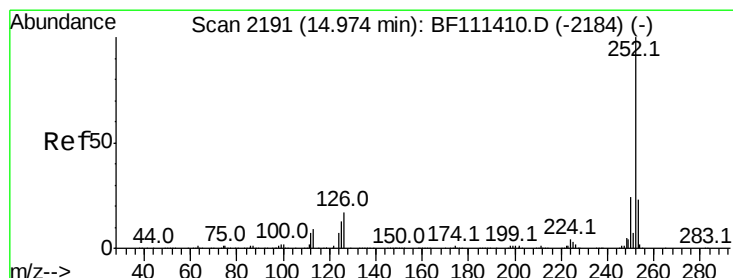
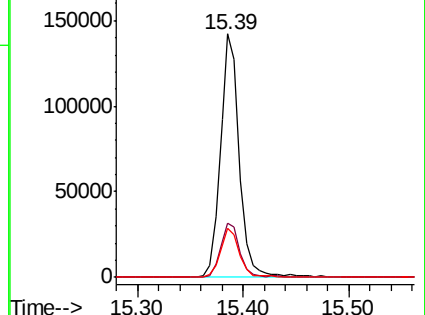
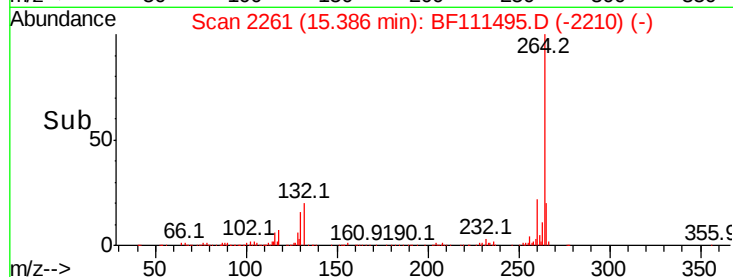
265 20.4 17.7 26.5



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: 52.442 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

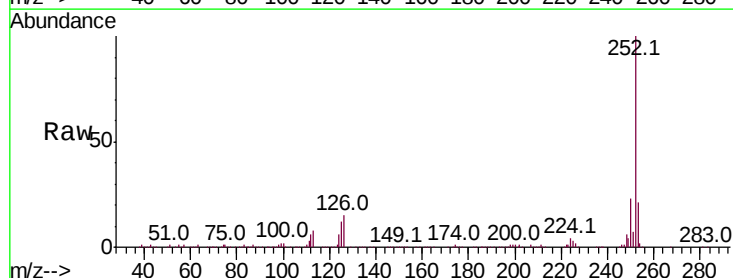
Tgt Ion:252 Resp: 545367

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

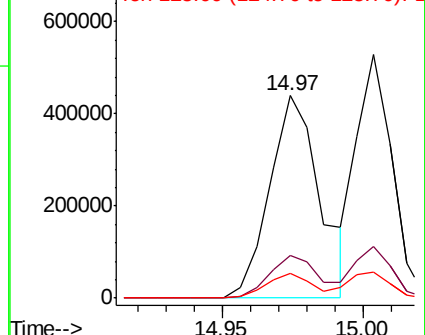
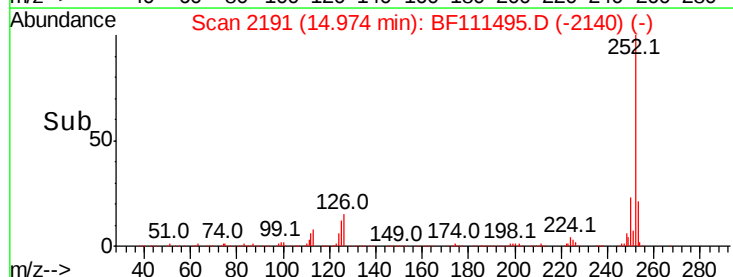
125 12.0 10.4 15.6

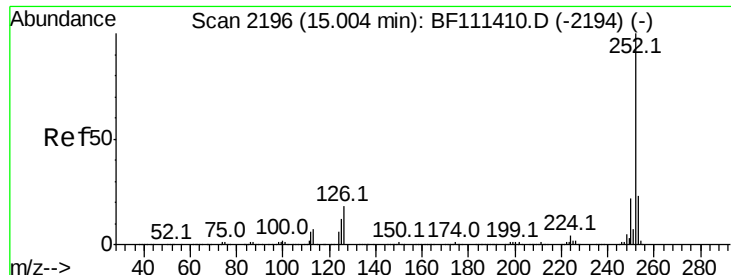


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 47.819 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-AMSD

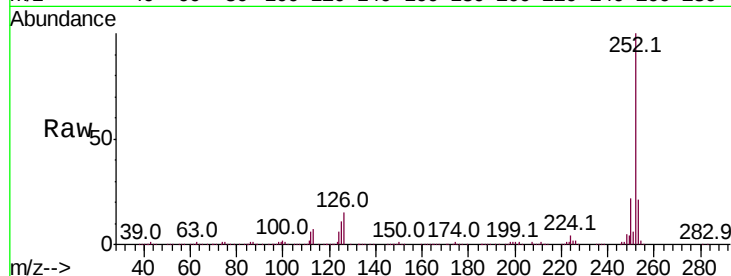
Tot Ion:252 Resp: 475177

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

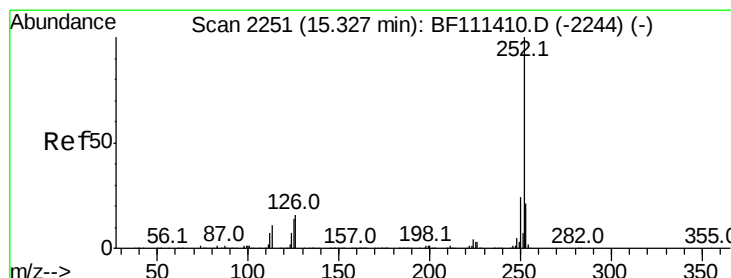
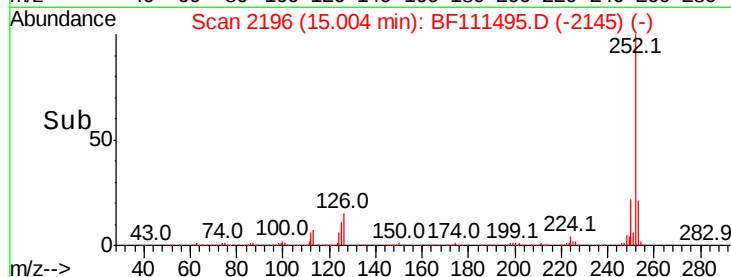
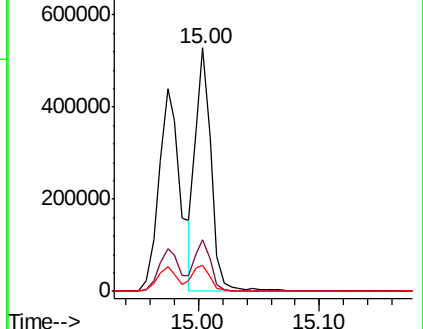
125 10.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 49.052 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111495.D

Acq: 16 Dec 2018 5:08

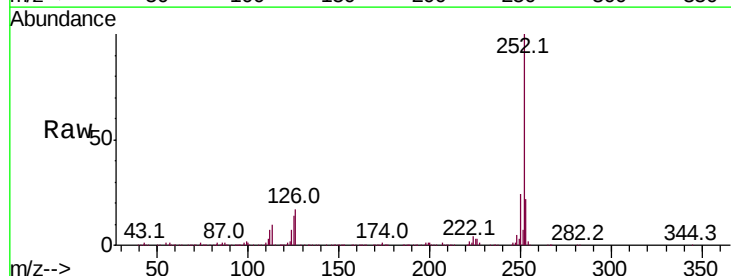
Tgt Ion:252 Resp: 460002

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

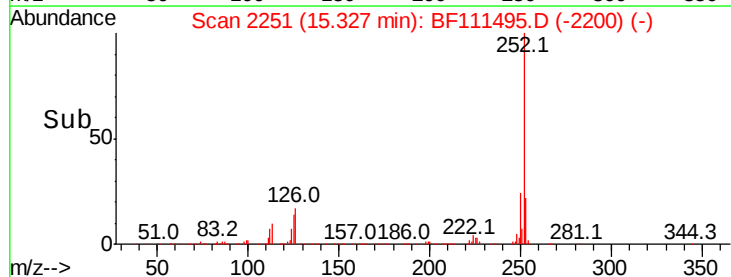
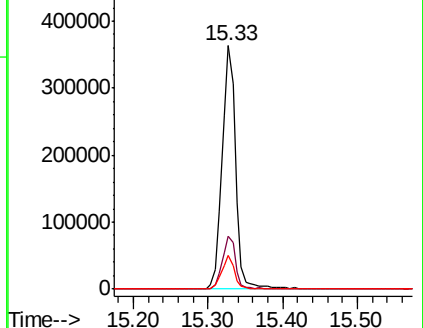
125 14.0 12.3 18.5

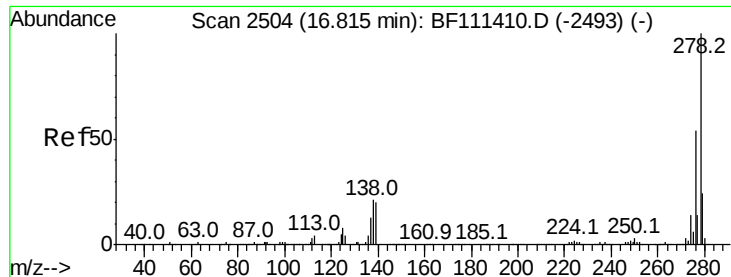


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

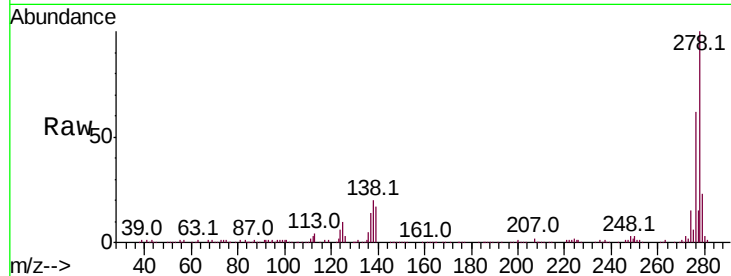




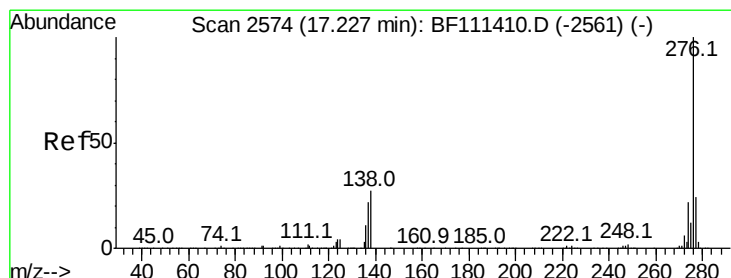
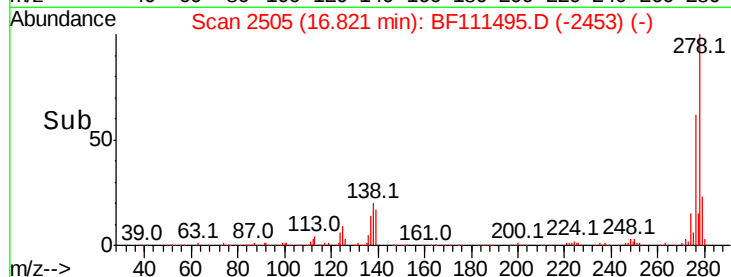
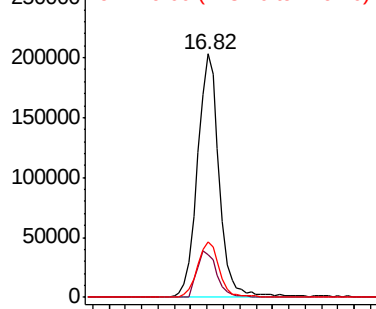
#91
Dibenzo(a,h)anthracene
Concen: 50.803 ng
RT: 16.82 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-AMSD

Tot Ion:278 Resp: 375821
Ion Ratio Lower Upper
278 100
139 17.5 18.2 27.4#
279 22.6 19.0 28.6

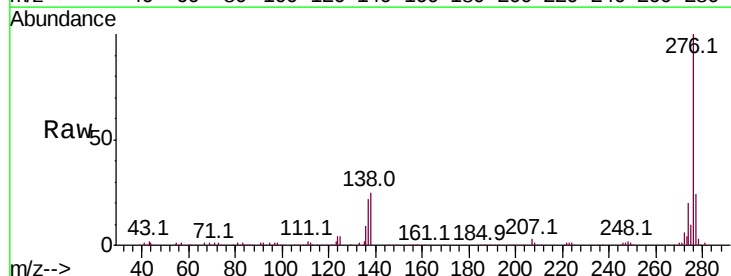


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 51.078 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111495.D
Acq: 16 Dec 2018 5:08

Tgt Ion:276 Resp: 370898
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 24.6 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

