

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111784.D
 Acq On : 28 Dec 2018 8:35
 Operator : JU/SJ
 Sample : J6426-05DL 50X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01DL

Quant Time: Dec 28 13:27:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	146368	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	571968	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	280860	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	487032	20.00	ng	0.02
76) Chrysene-d12	14.07	240	361747	20.00	ng	0.02
87) Perylene-d12	15.56	264	327524	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	2390	0.28	ng	0.02
7) Phenol-d6	6.54	99	3059	0.28	ng	0.02
23) Nitrobenzene-d5	7.46	82	2343	0.24	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	699	0.21	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	4618	0.24	ng	0.00
79) Terphenyl-d14	13.00	244	9979	0.52	ng	0.00

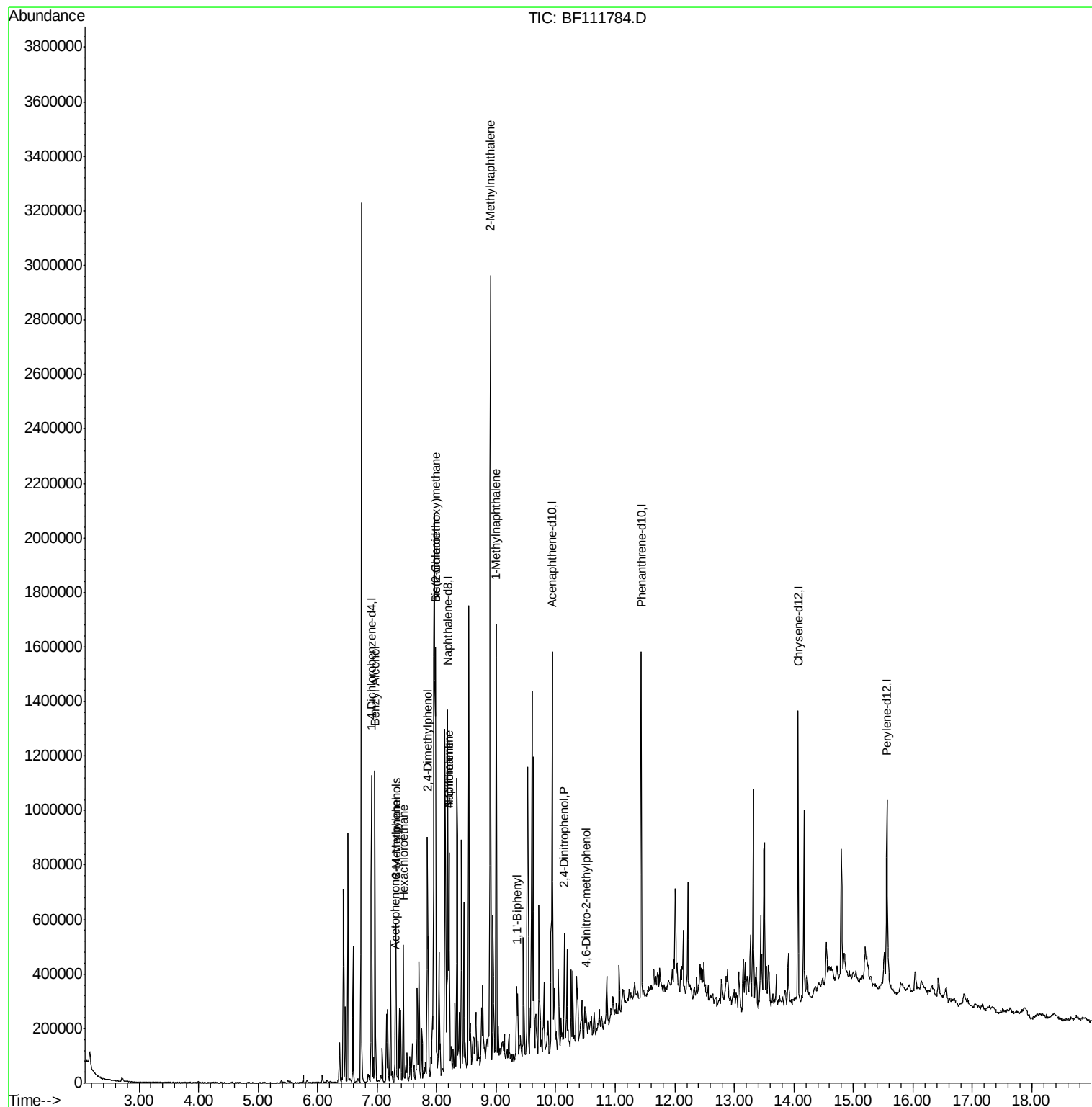
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	32022	3.690	ng	# 1
17) 2-Methylphenol	7.32	107	142438	18.701	ng	# 87
18) Hexachloroethane	7.44	117	15222	4.040	ng	# 1
20) 3+4-Methylphenols	7.32	107	142439	14.800	ng	# 62
22) Acetophenone	7.30	105	39378	2.718	ng	# 50
27) 2,4-Dimethylphenol	7.84	122	192271	23.351	ng	# 93
28) bis(2-Chloroethoxy)methane	7.98	93	29016	2.500	ng	# 1
31) Naphthalene	8.21	128	275171	10.013	ng	# 96
32) Benzoic acid	7.98	122	603056	110.774	ng	# 17
33) 4-Chloroaniline	8.21	127	36438	3.068	ng	# 37
37) 2-Methylnaphthalene	8.90	142	708818	39.643	ng	# 97
38) 1-Methylnaphthalene	9.00	142	418593	24.376	ng	# 97
46) 1,1'-Biphenyl	9.36	154	71389	3.011	ng	# 96
54) 2,4-Dinitrophenol	10.14	184	147	7.409	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.51	198	164	6.763	ng	# 1

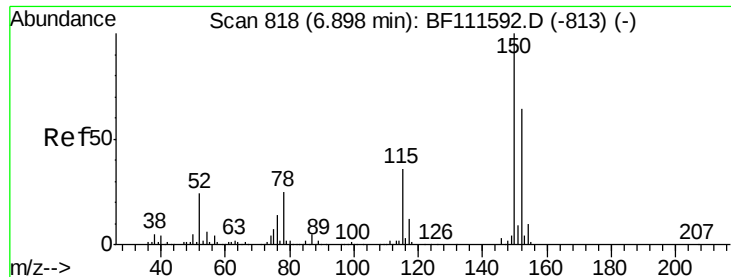
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

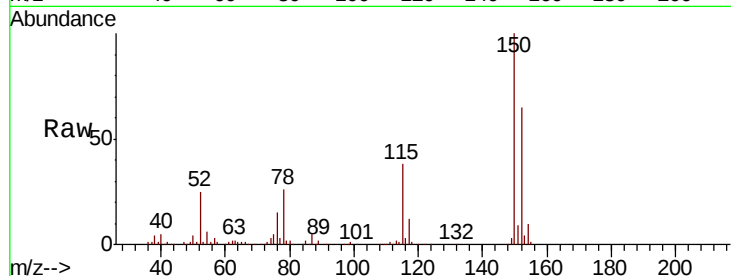
Tot Ion:152 Resp: 146368

Ion Ratio Lower Upper

152 100

150 154.3 126.6 189.8

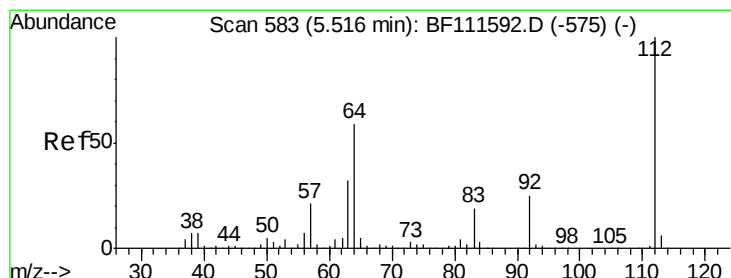
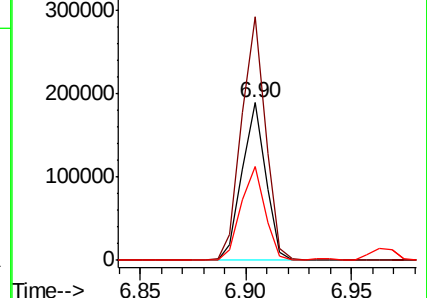
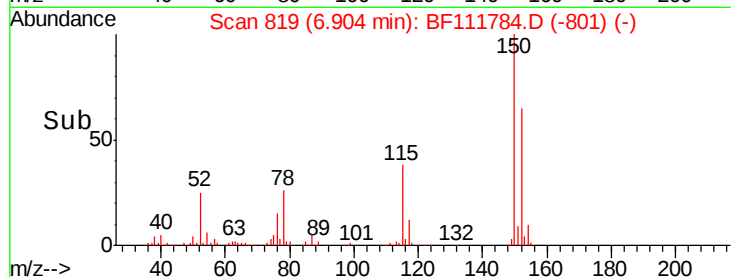
115 59.3 50.7 76.1



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



#5

2-Fluorophenol

Concen: 0.278 ng

RT: 5.53 min Scan# 586

Delta R.T. 0.02 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

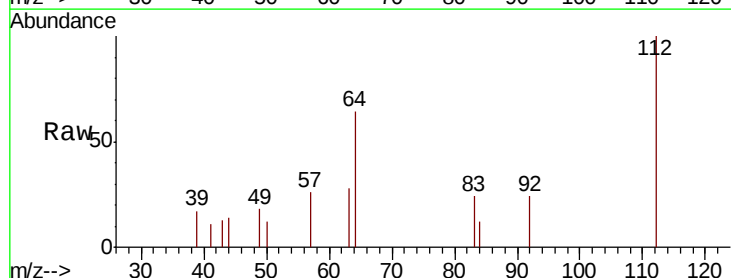
Tgt Ion:112 Resp: 2390

Ion Ratio Lower Upper

112 100

64 63.8 51.8 77.6

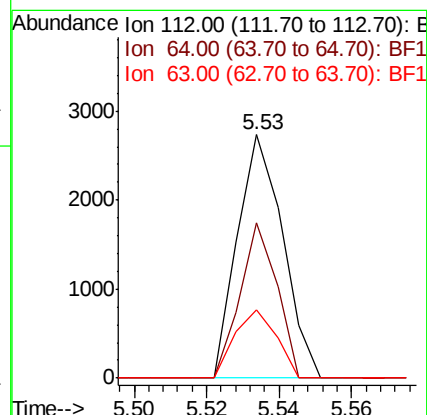
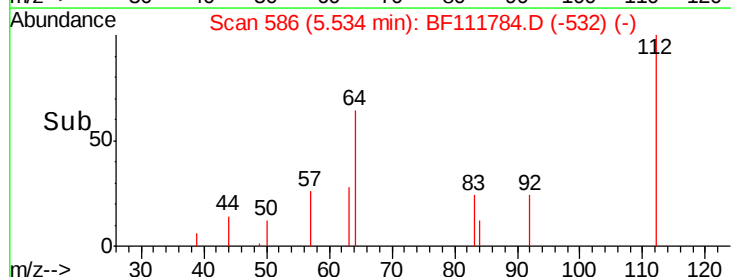
63 28.2 26.8 40.2

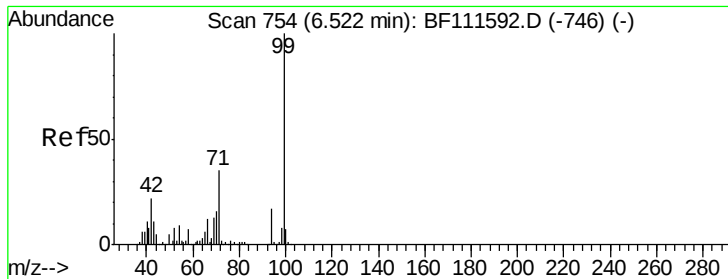


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.280 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

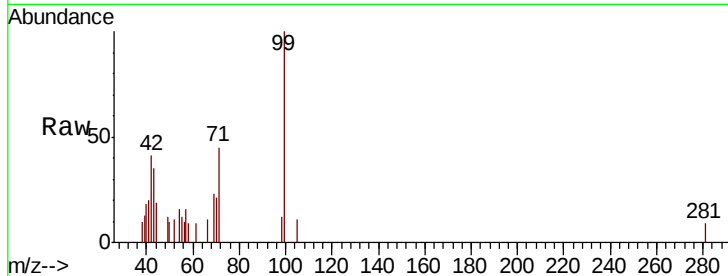
Tot Ion: 99 Resp: 3059

Ion Ratio Lower Upper

99 100

42 41.2 17.4 26.0#

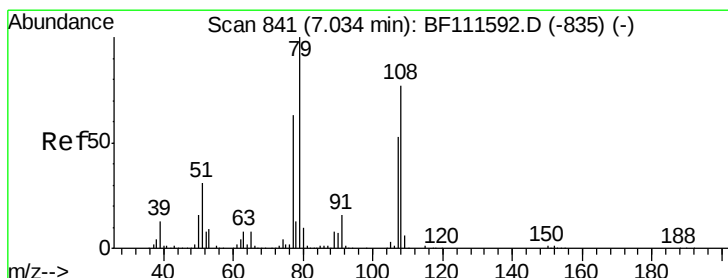
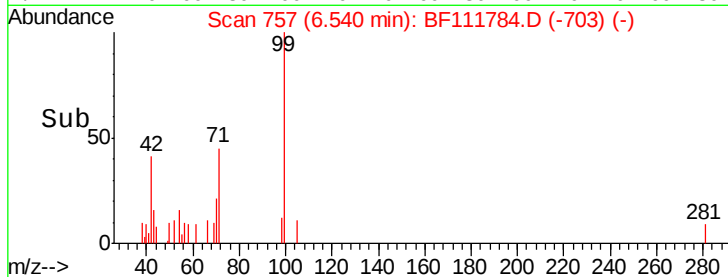
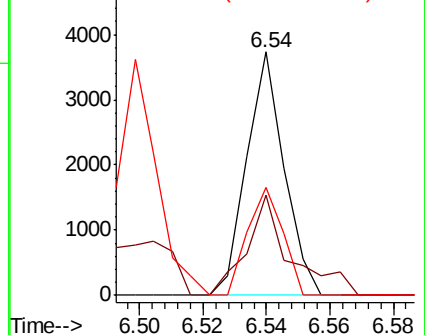
71 44.5 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 3.690 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.07 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

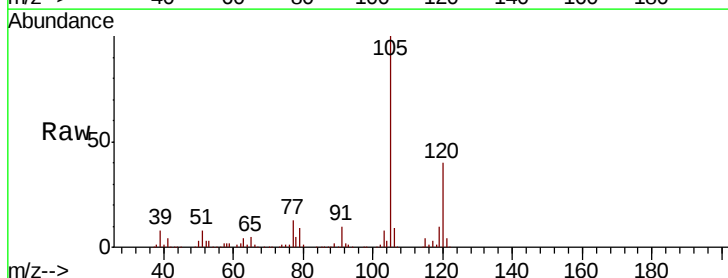
Tgt Ion: 79 Resp: 32022

Ion Ratio Lower Upper

79 100

108 0.0 69.4 104.2#

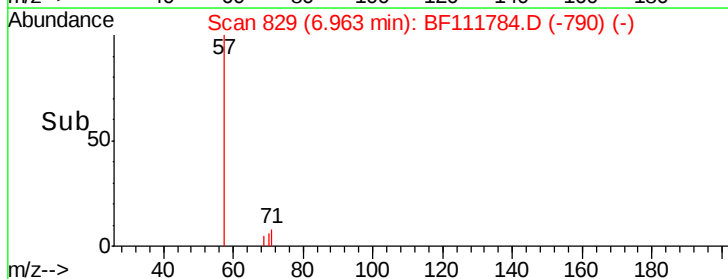
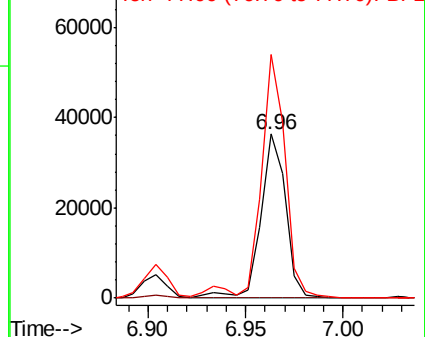
77 148.4 49.7 74.5#

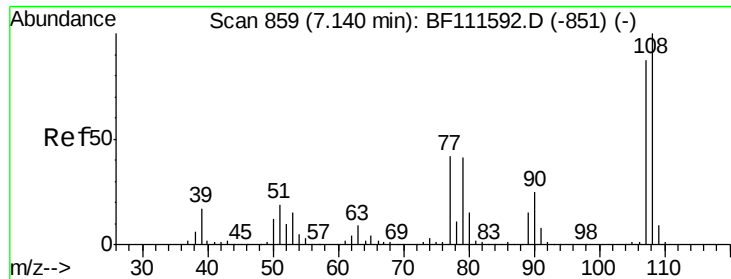


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

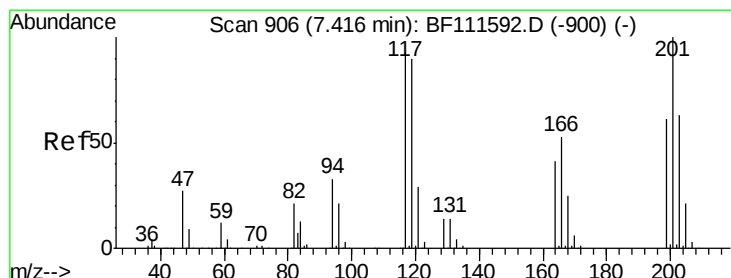
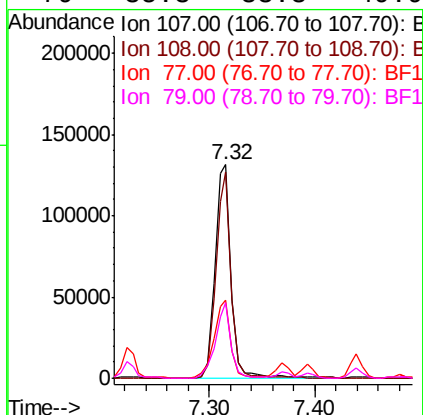
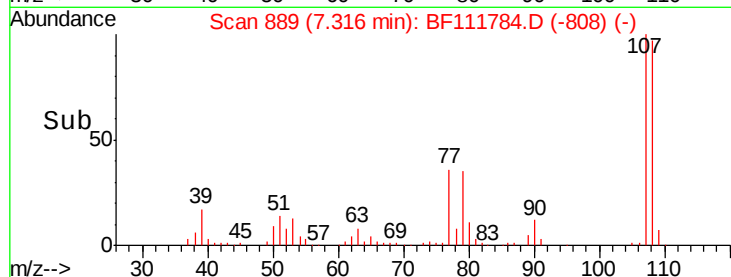
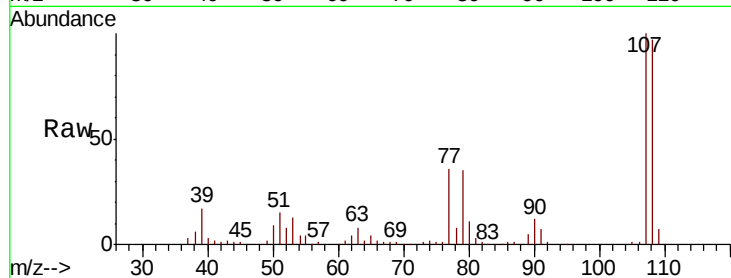




#17
2-Methylphenol
Concen: 18.701 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.18 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

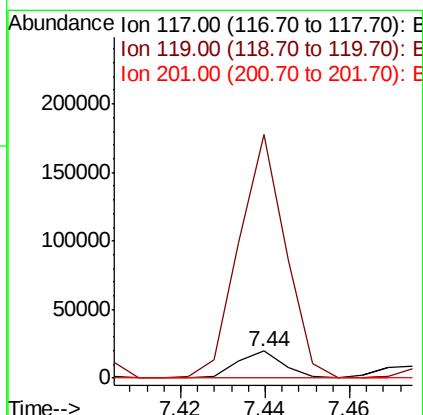
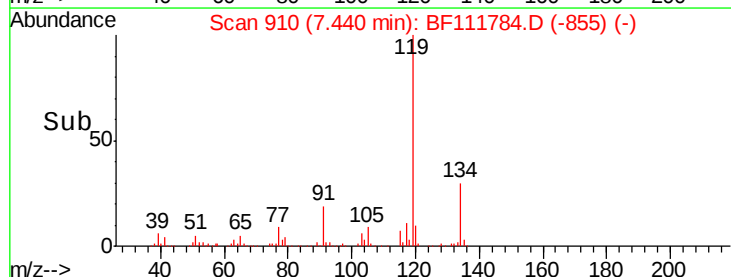
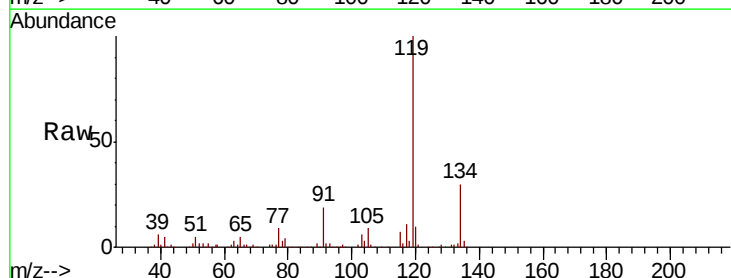
Instrument :
BNA_F
ClientSampleId :
P001-DS002-01DL

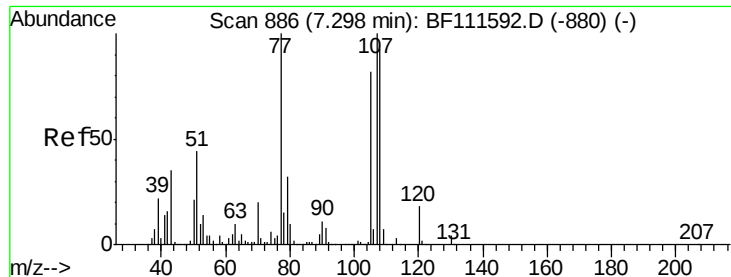
Tot Ion:	107	Resp:	142438
Ion	Ratio	Lower	Upper
107	100		
108	96.8	91.0	136.4
77	36.3	33.5	50.3
79	35.3	33.3	49.9



#18
Hexachloroethane
Concen: 4.040 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.02 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

Tgt Ion:	117	Resp:	15222
Ion	Ratio	Lower	Upper
117	100		
119	901.7	75.4	113.0#
201	0.0	62.4	93.6#





#20

3+4-Methylphenols

Concen: 14.800 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.02 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

Tot Ion:107 Resp: 142439

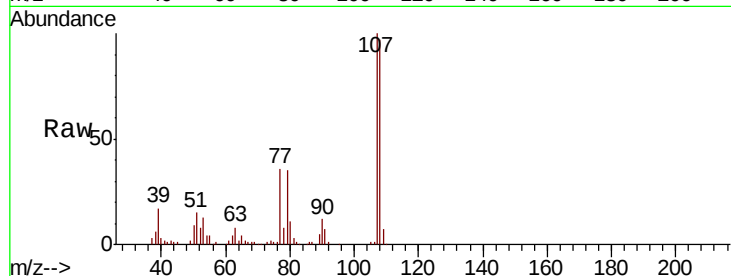
Ion Ratio Lower Upper

107 100

108 96.8 72.1 112.1

77 36.3 94.1 134.1#

79 35.3 9.8 49.8

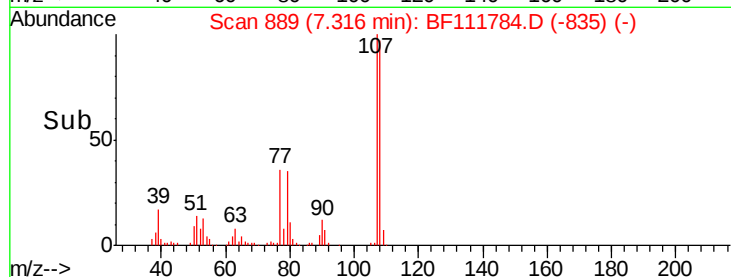


Abundance Ion 107.00 (106.70 to 107.70): E

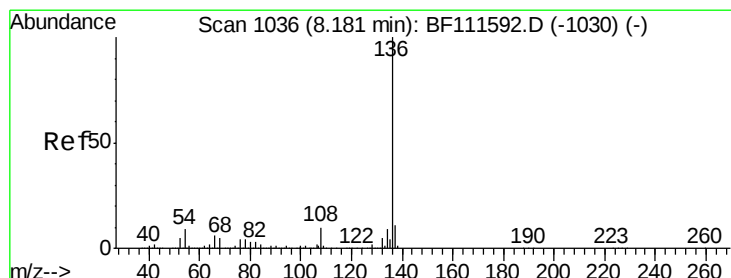
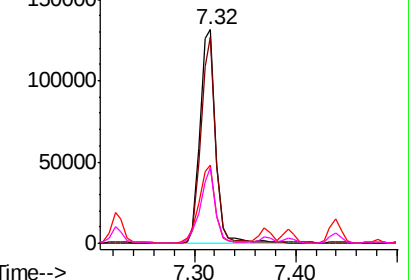
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Tgt Ion:136 Resp: 571968

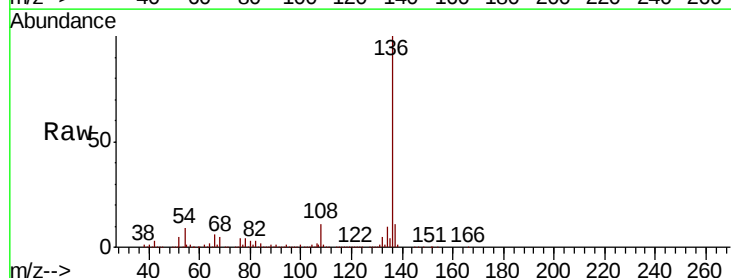
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.2 7.7 11.5

68 5.5 4.9 7.3

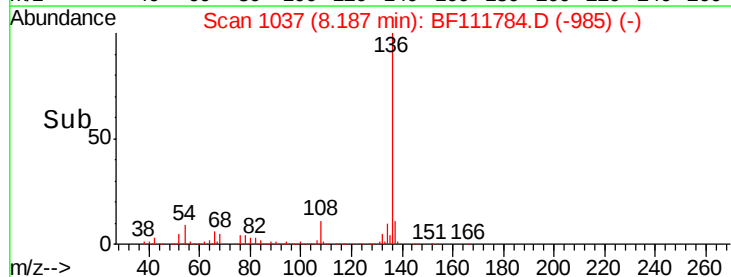


Abundance Ion 136.00 (135.70 to 136.70): E

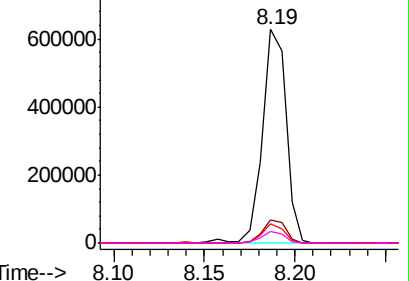
Ion 137.00 (136.70 to 137.70): E

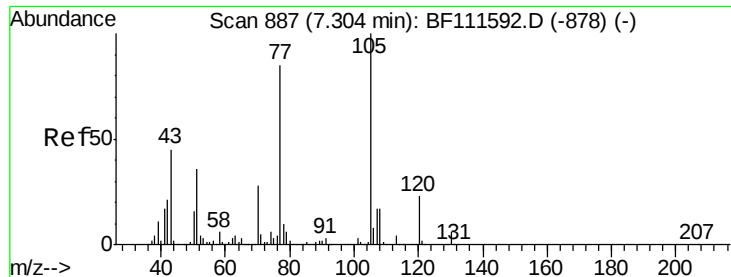
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->





#22

Acetophenone

Concen: 2.718 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

Tot Ion:105 Resp: 39378

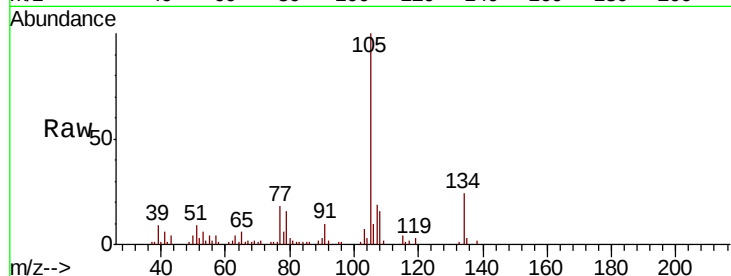
Ion Ratio Lower Upper

105 100

71 2.4 3.1 4.7#

51 9.3 36.6 54.8#

120 0.0 18.2 27.4#

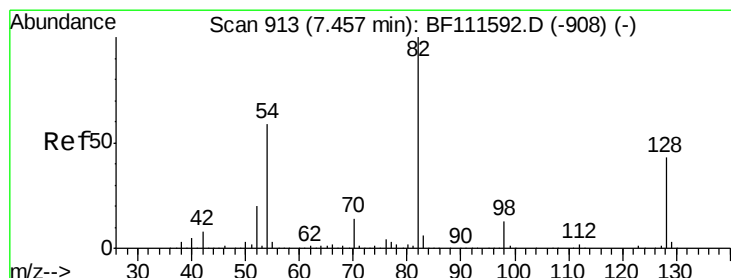
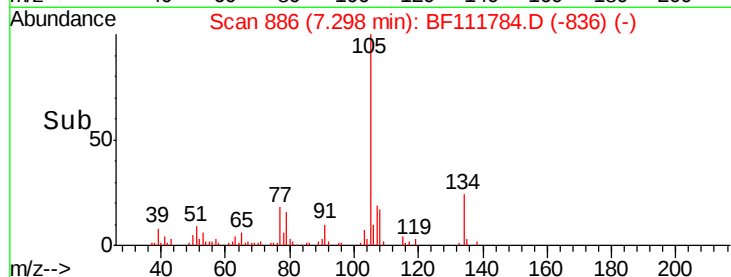
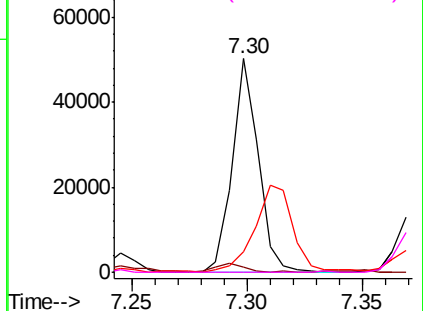


Abundance Ion 105.00 (104.70 to 105.70): E

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: 0.238 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

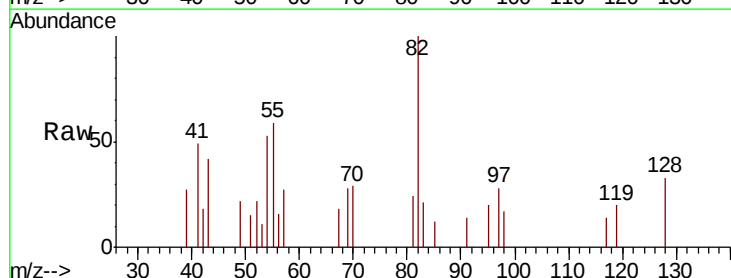
Tgt Ion: 82 Resp: 2343

Ion Ratio Lower Upper

82 100

128 32.6 37.4 56.2#

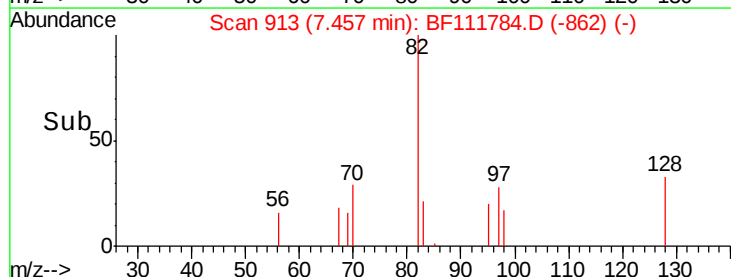
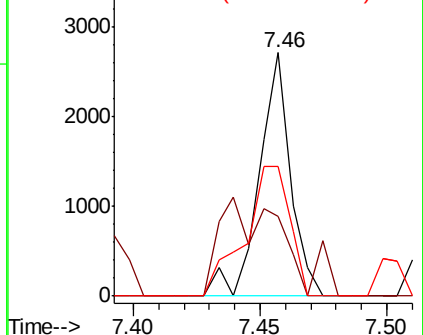
54 53.4 47.6 71.4

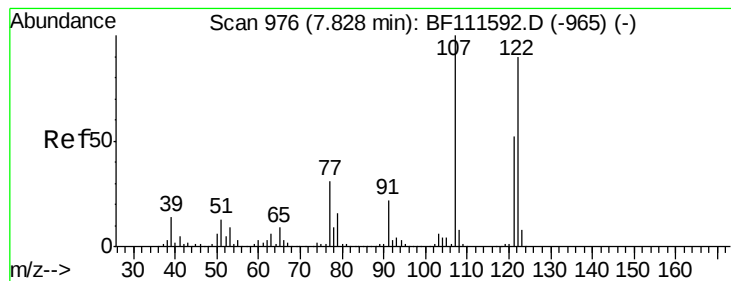


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#27

2,4-Dimethylphenol

Concen: 23.351 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

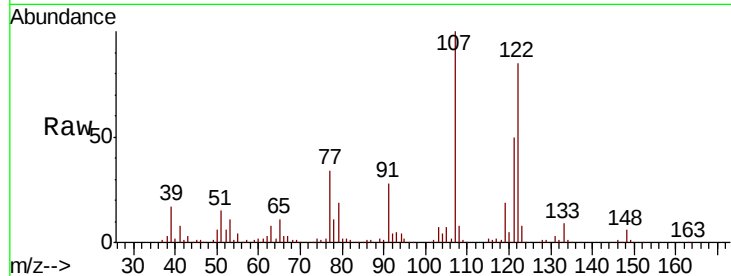
Tot Ion:122 Resp: 192271

Ion Ratio Lower Upper

122 100

107 117.3 85.5 128.3

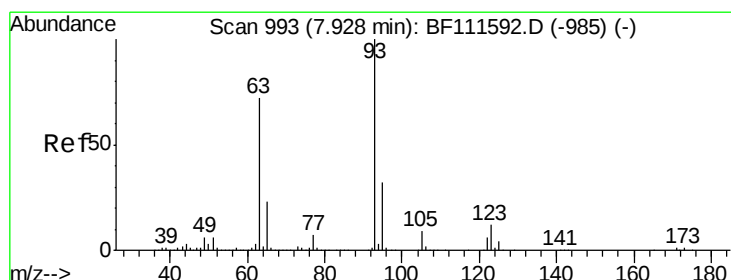
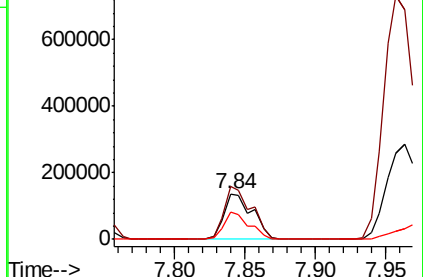
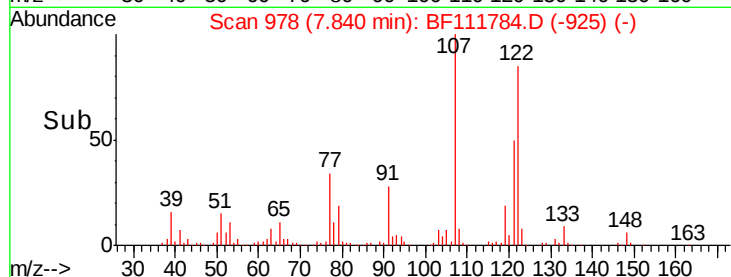
121 58.8 46.6 70.0



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: 2.500 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.05 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

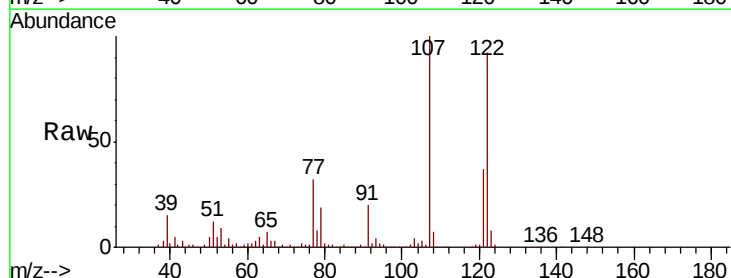
Tgt Ion: 93 Resp: 29016

Ion Ratio Lower Upper

93 100

95 21.1 27.1 40.7#

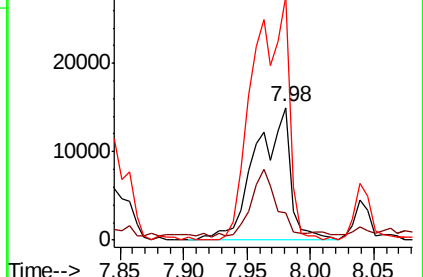
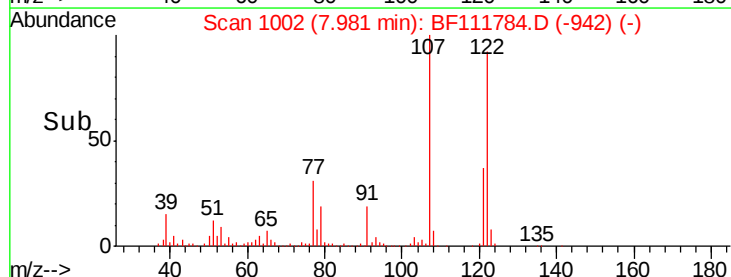
123 183.6 9.9 14.9#

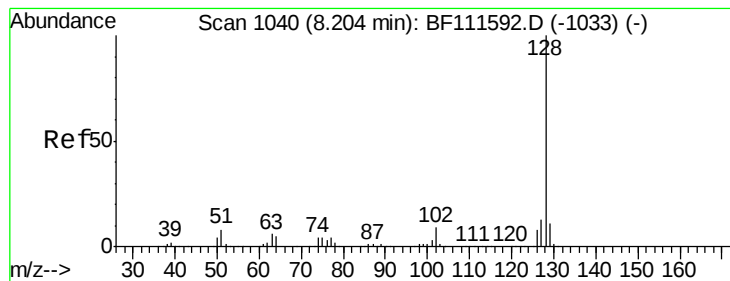


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#31

Naphthalene

Concen: 10.013 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

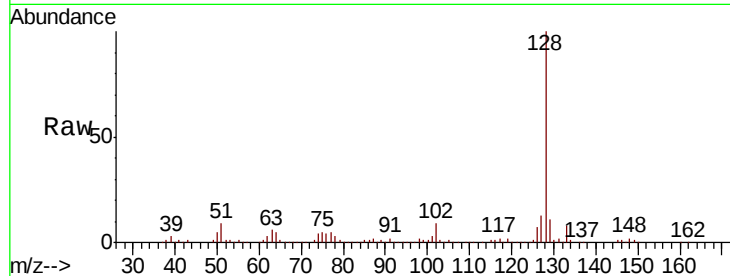
Tot Ion:128 Resp: 275171

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.8

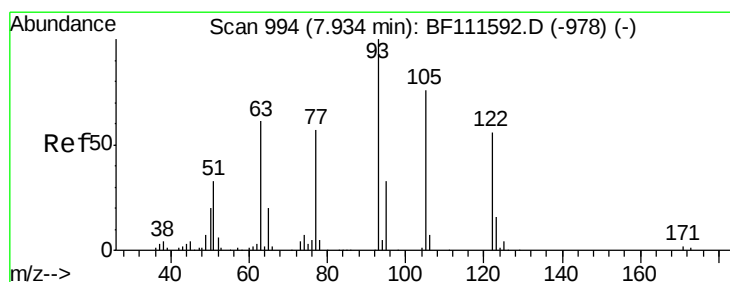
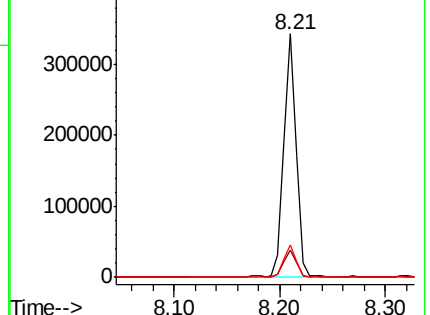
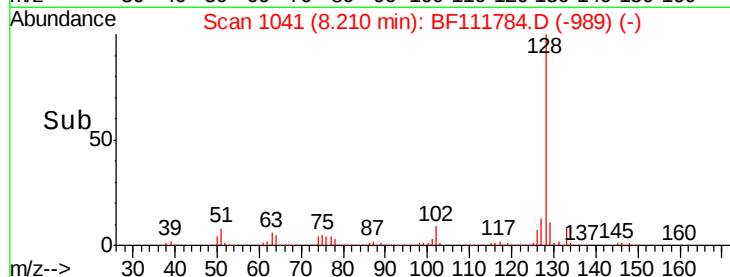
127 13.1 12.0 18.0



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: 110.774 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.05 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

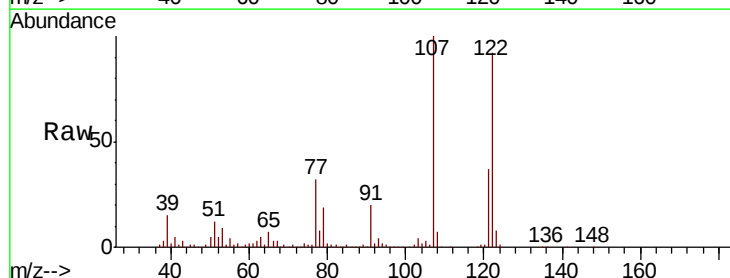
Tgt Ion:122 Resp: 603056

Ion Ratio Lower Upper

122 100

105 3.5 97.0 137.0#

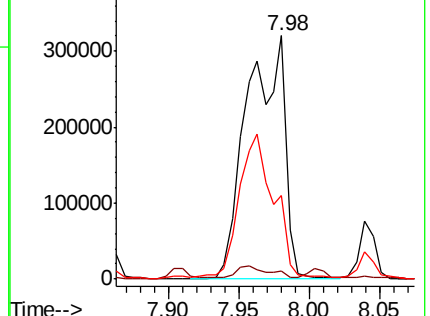
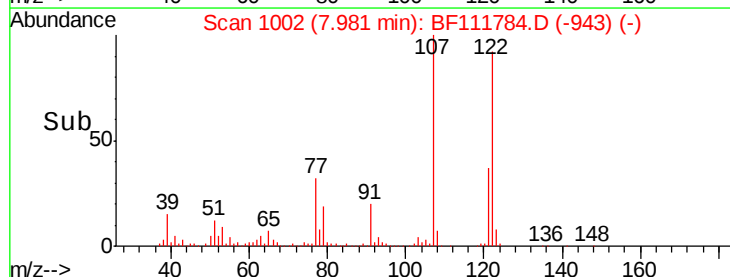
77 34.5 65.7 105.7#

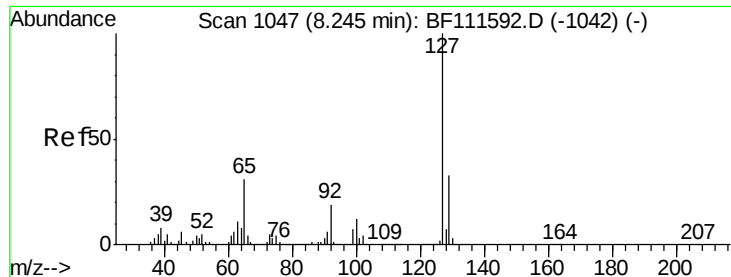


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

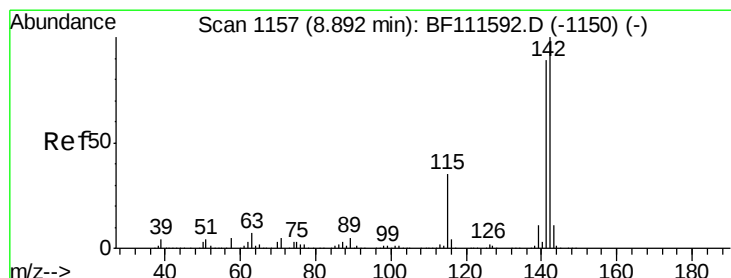
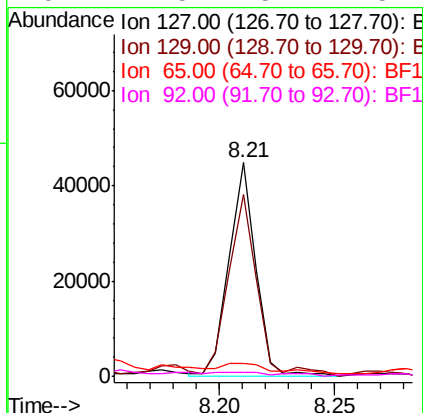
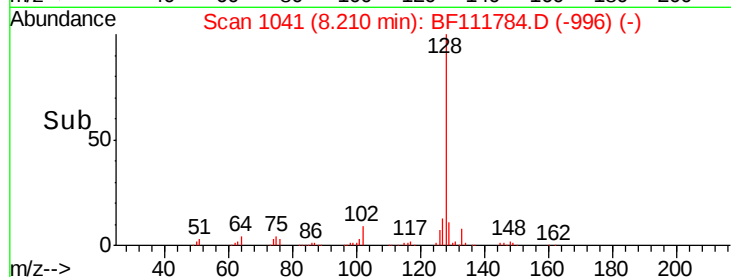
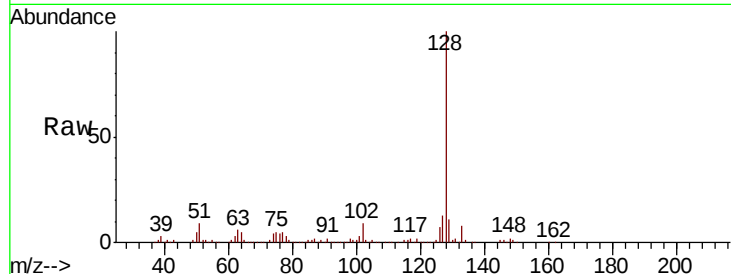




#33
4-Chloroaniline
Concen: 3.068 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.04 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

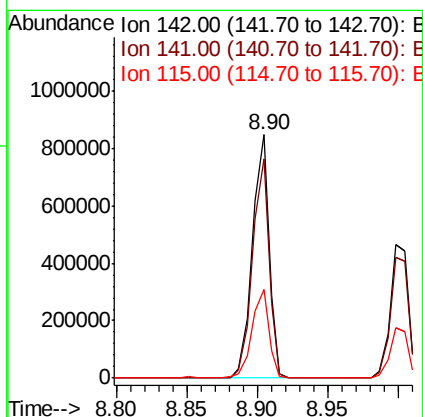
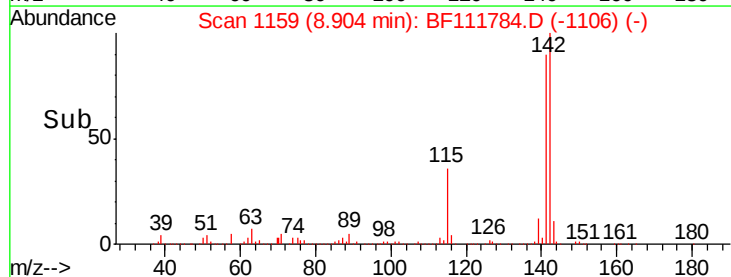
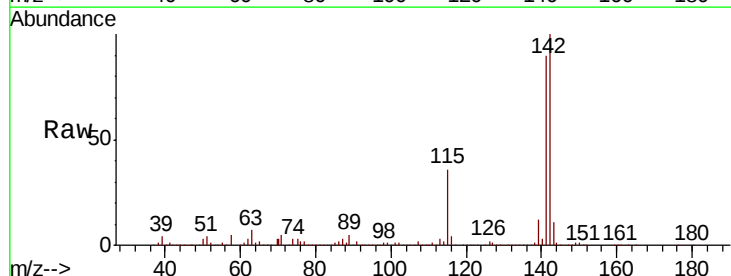
Instrument :
BNA_F
ClientSampleId :
P001-DS002-01DL

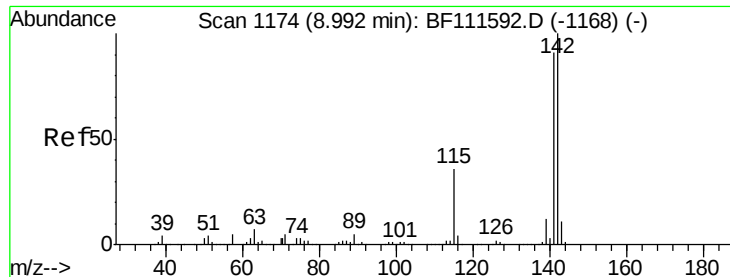
Tot Ion	Ratio	Lower	Upper
127	100		
129	85.3	26.6	39.8#
65	6.3	25.7	38.5#
92	1.5	15.4	23.2#



#37
2-Methylnaphthalene
Concen: 39.643 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.6	105.8
115	36.5	27.0	40.6

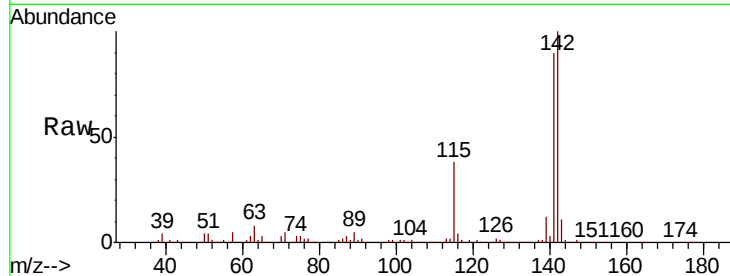




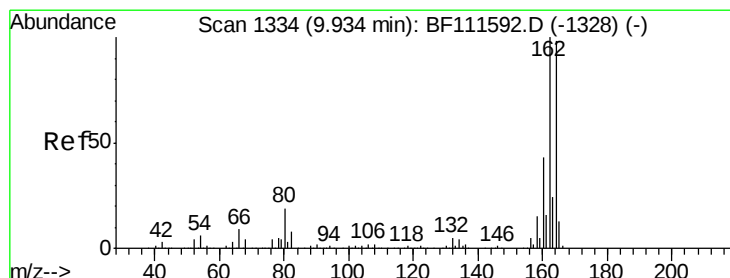
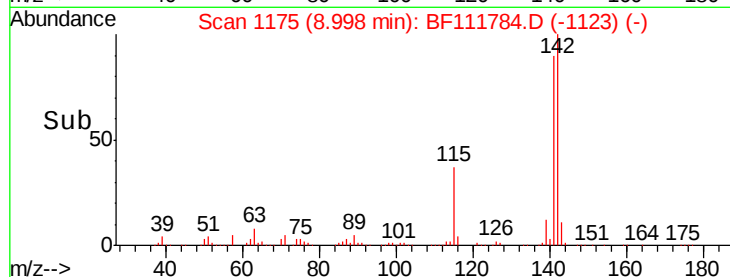
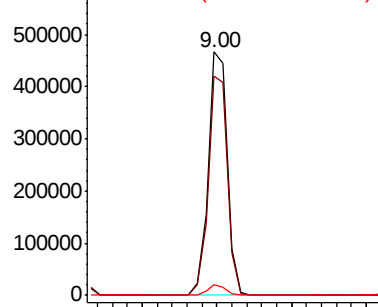
#38
1-Methylnaphthalene
Concen: 24.376 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

Instrument :
BNA_F
ClientSampleId :
P001-DS002-01DL

Tot Ion:142 Resp: 418593
Ion Ratio Lower Upper
142 100
141 89.9 74.2 111.4
116 4.1 2.9 4.3

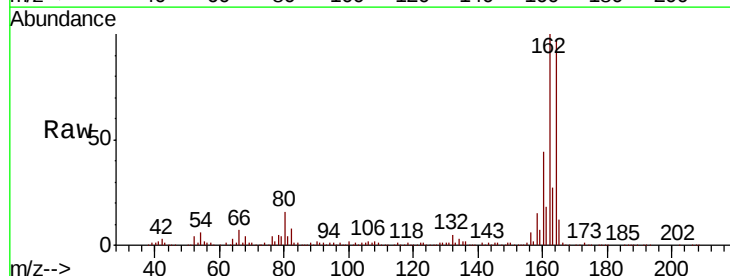


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

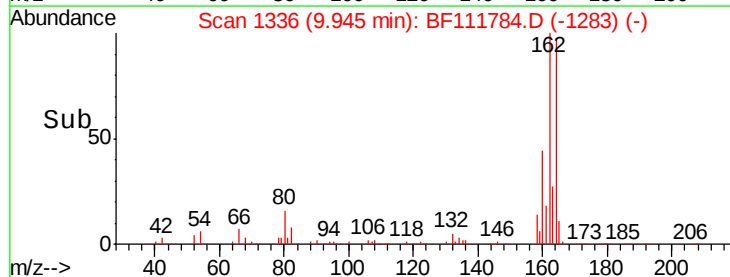
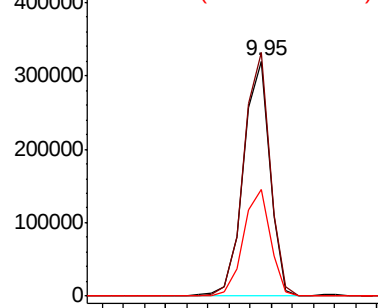


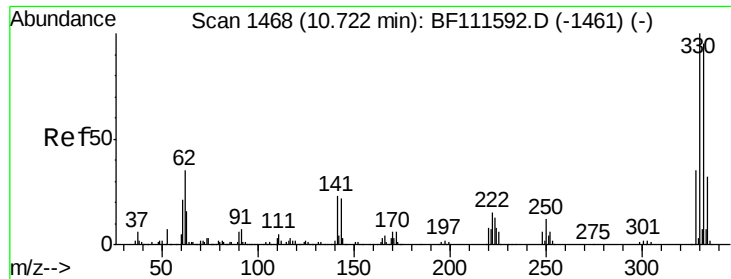
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

Tgt Ion:164 Resp: 280860
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

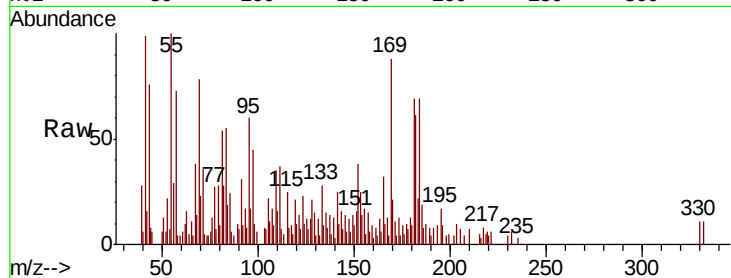




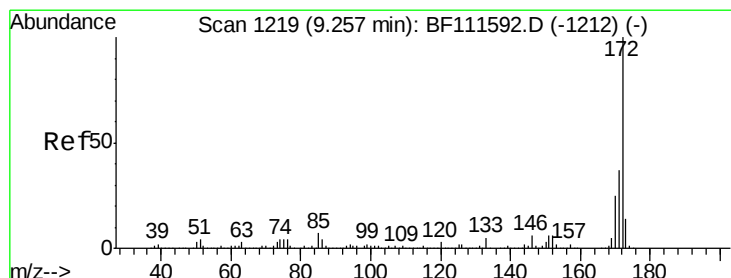
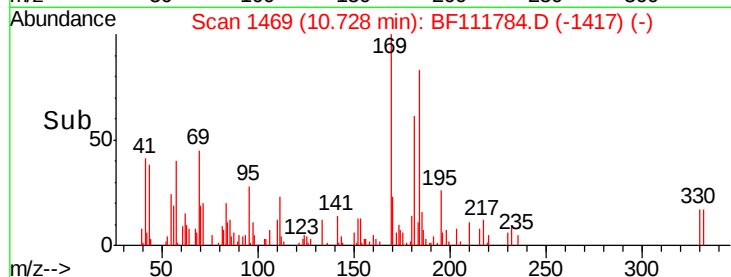
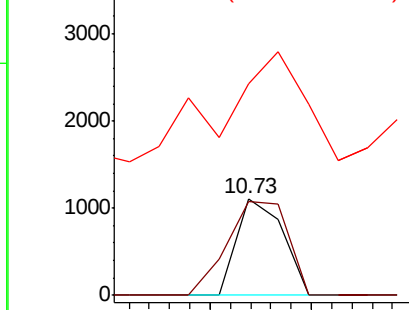
#42
 2,4,6-Tribromophenol
 Concen: 0.211 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111784.D
 Acq: 28 Dec 2018 8:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01DL

Tot Ion:330 Resp: 699
 Ion Ratio Lower Upper
 330 100
 332 128.5 76.0 114.0#
 141 323.6 31.0 46.6#

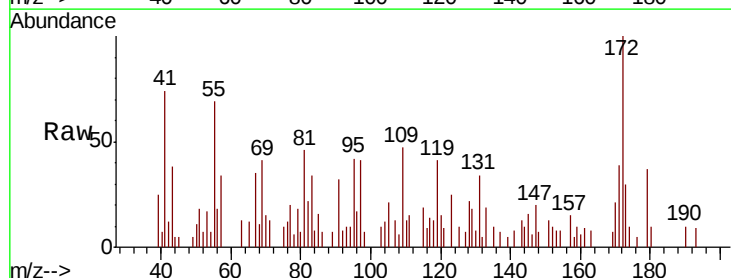


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

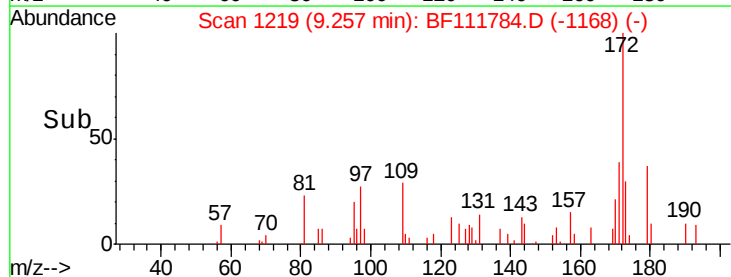
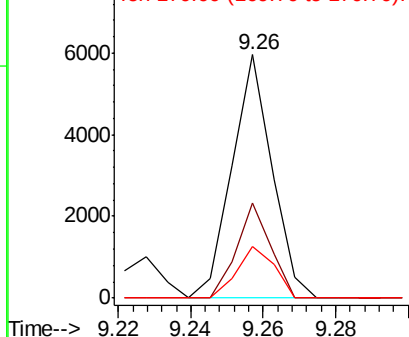


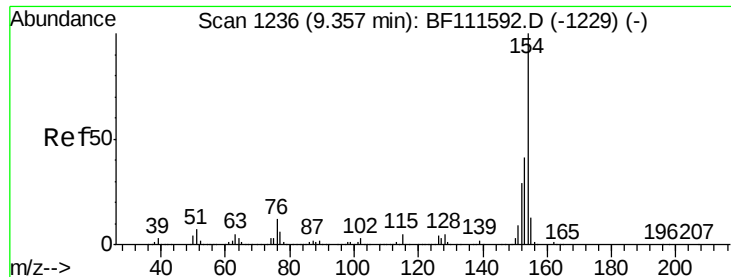
#45
 2-Fluorobiphenyl
 Concen: 0.240 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF111784.D
 Acq: 28 Dec 2018 8:35

Tgt Ion:172 Resp: 4618
 Ion Ratio Lower Upper
 172 100
 171 39.2 33.0 49.4
 170 21.0 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: 3.011 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

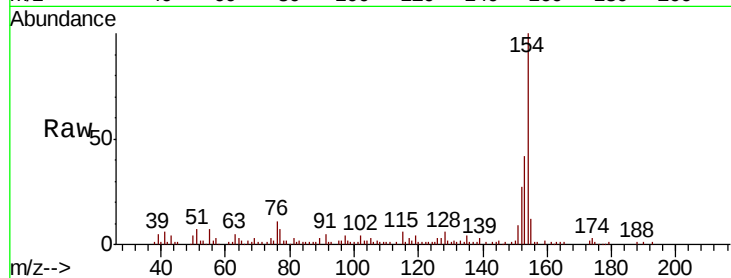
Tot Ion:154 Resp: 71389

Ion Ratio Lower Upper

154 100

153 42.3 23.7 63.7

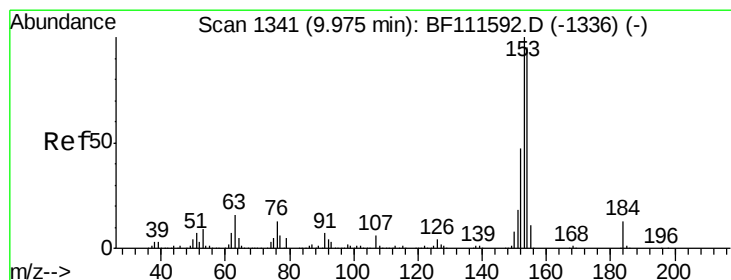
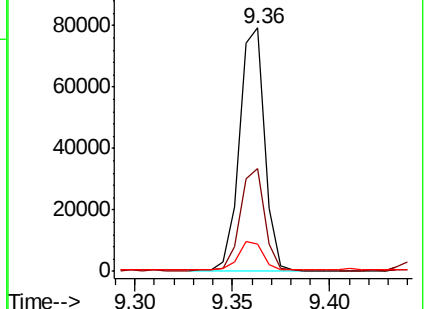
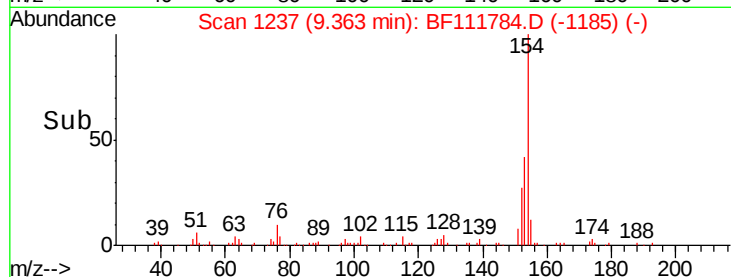
76 11.1 0.0 35.0



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



#54

2,4-Dinitrophenol

Concen: 7.409 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.17 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

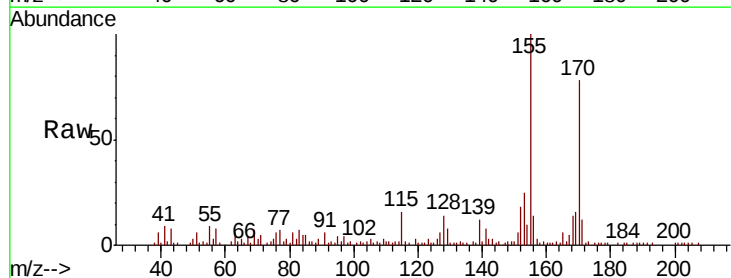
Tgt Ion:184 Resp: 147

Ion Ratio Lower Upper

184 100

63 907.9 62.3 93.5#

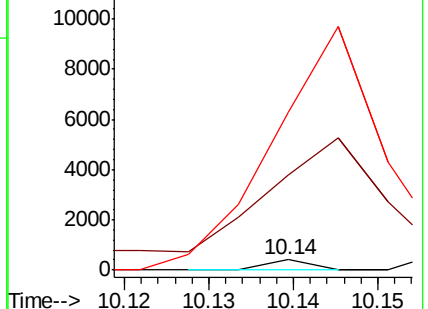
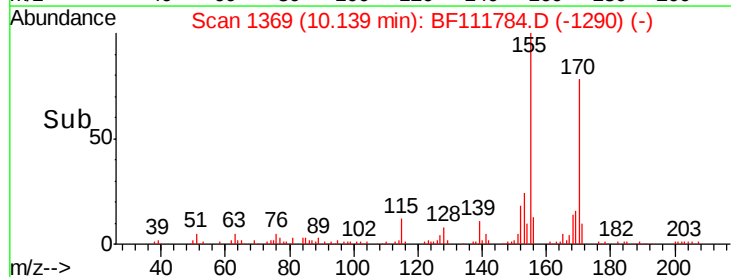
154 1510.3 56.2 84.2#

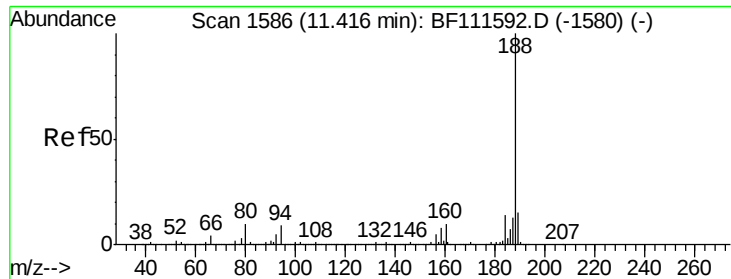


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

Instrument :

BNA_F

ClientSampleId :

P001-DS002-01DL

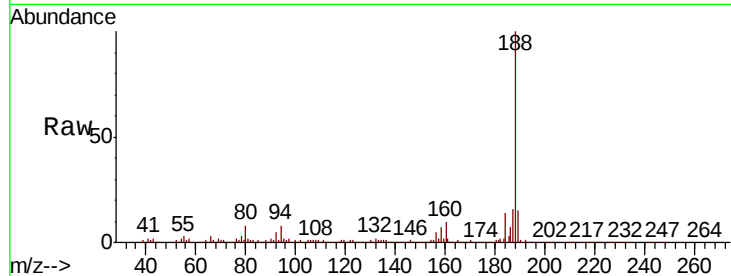
Tot Ion:188 Resp: 487032

Ion Ratio Lower Upper

188 100

94 7.6 9.6 14.4#

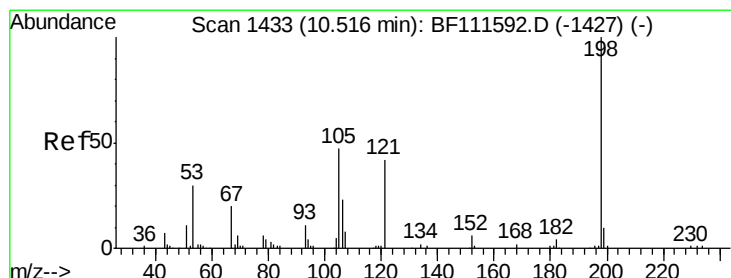
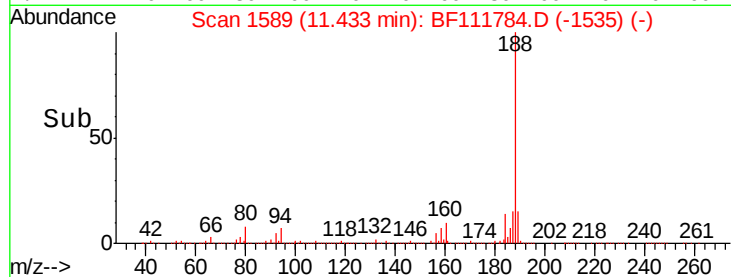
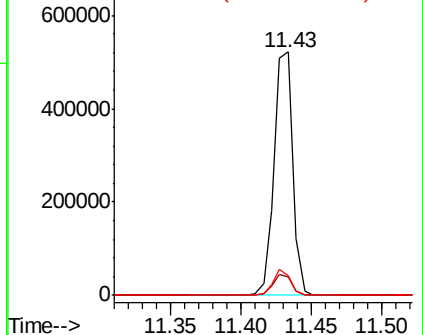
80 8.2 9.8 14.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.763 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF111784.D

Acq: 28 Dec 2018 8:35

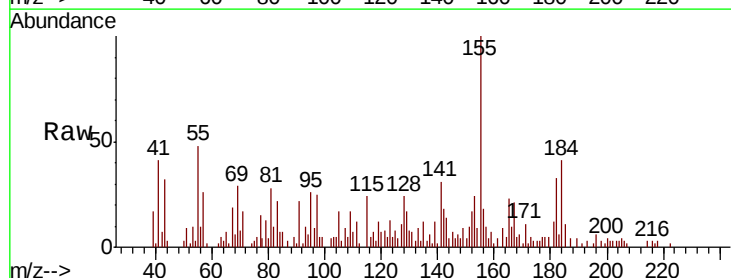
Tgt Ion:198 Resp: 164

Ion Ratio Lower Upper

198 100

51 310.3 48.0 88.0#

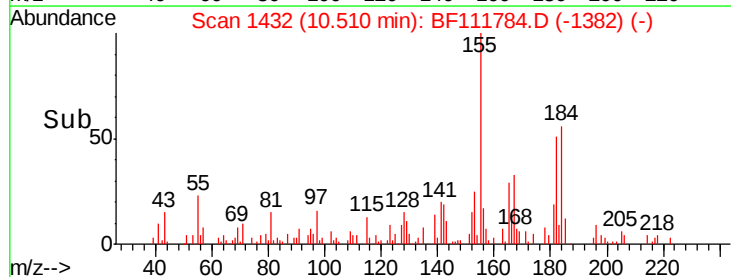
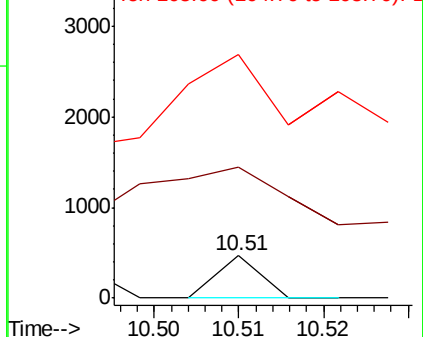
105 579.1 34.0 74.0#

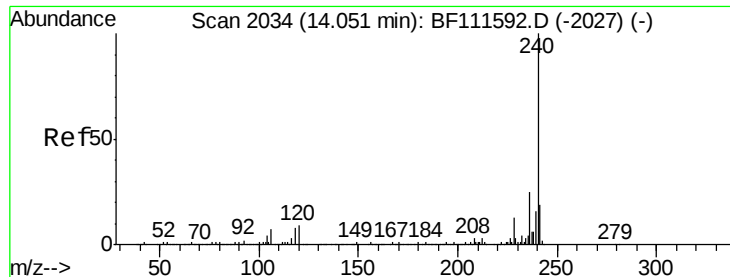


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

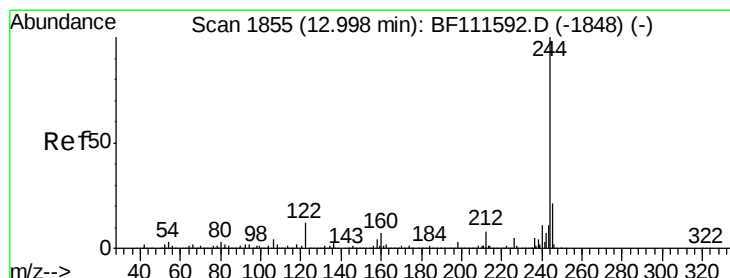
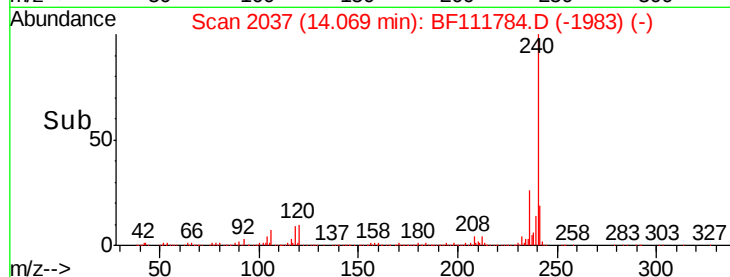
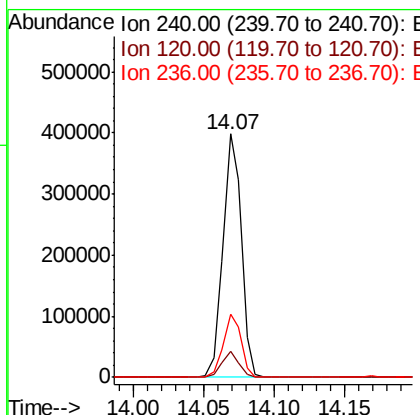
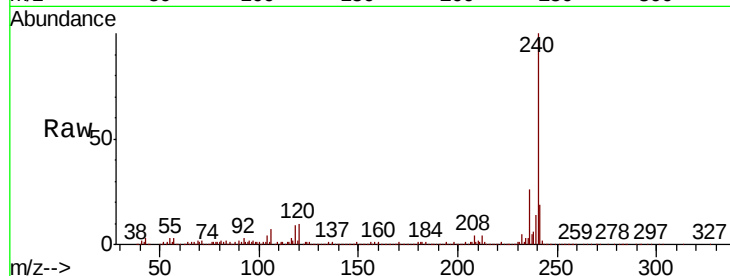




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

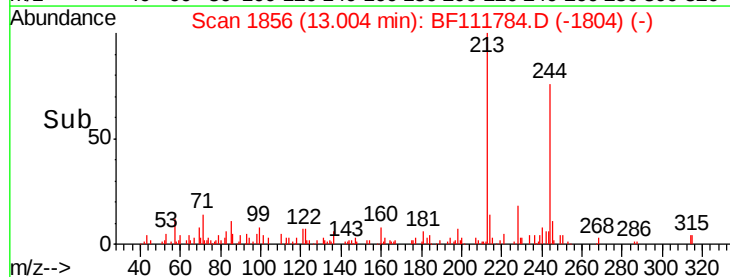
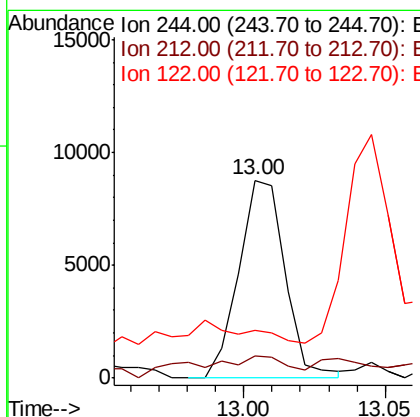
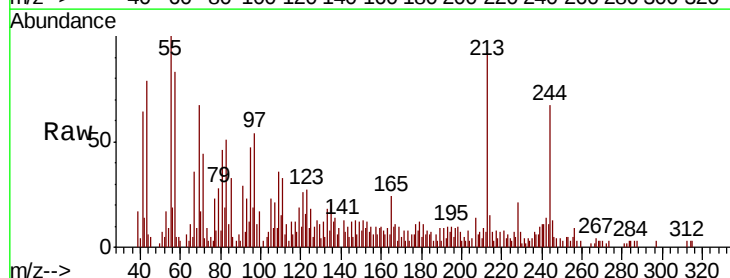
Instrument :
BNA_F
ClientSampleId :
P001-DS002-01DL

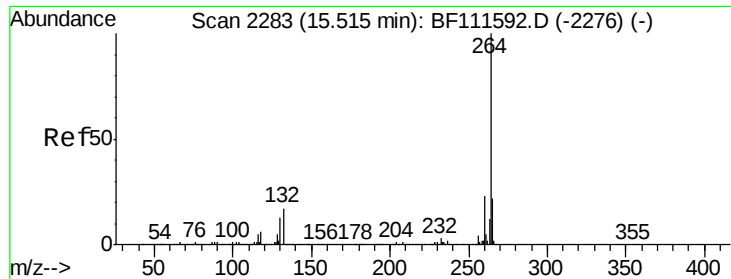
Tot Ion:240 Resp: 361747
Ion Ratio Lower Upper
240 100
120 10.5 12.2 18.2#
236 26.0 20.2 30.2



#79
Terphenyl-d14
Concen: 0.523 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111784.D
Acq: 28 Dec 2018 8:35

Tgt Ion:244 Resp: 9979
Ion Ratio Lower Upper
244 100
212 11.1 5.7 8.5#
122 24.3 13.1 19.7#

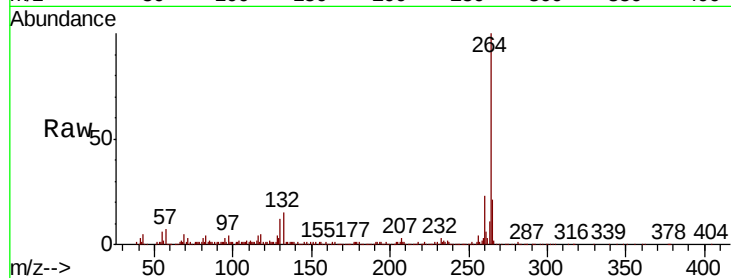




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.05 min
 Lab File: BF111784.D
 Acq: 28 Dec 2018 8:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS002-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	20.9	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

