

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102616.D
 Acq On : 29 Jan 2018 23:59
 Operator : SJ/JU
 Sample : J1303-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 02:45:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158487	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	651075	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	223199	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	304128	20.00	ng	0.00
75) Chrysene-d12	13.89	240	244210	20.00	ng	0.00
86) Perylene-d12	15.32	264	95082	20.00	ng	0.01

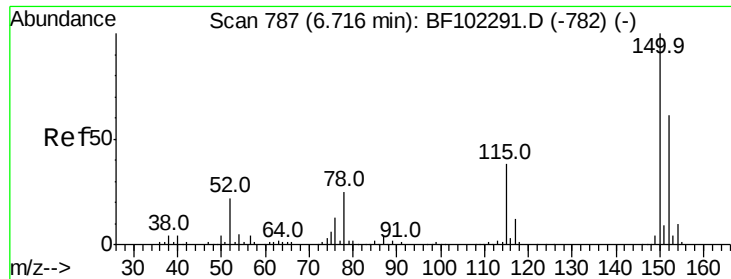
System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1222975	117.00	ng	0.02
7) Phenol-d6	6.37	99	1469402	116.61	ng	0.00
23) Nitrobenzene-d5	7.29	82	1052247	92.88	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	244264	110.45	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1614758	106.37	ng	0.00
78) Terphenyl-d14	12.83	244	991667	91.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	137774	27.742	ng	# 1
9) Benzaldehyde	6.27	77	79468	9.076	ng	# 89
10) Phenol	6.38	94	33560	2.439	ng	# 25
15) Benzyl Alcohol	6.91	79	2912581	327.582	ng	# 98
17) 2-Methylphenol	6.91	107	1652258	173.630	ng	# 18
18) Hexachloroethane	7.25	117	14782	3.250	ng	# 1
20) 3+4-Methylphenols	6.91	107	1616418	144.428	ng	# 1
27) 2,4-Dimethylphenol	7.85	122	410658	46.346	ng	# 5
31) Naphthalene	8.02	128	77331	2.379	ng	# 86
32) Benzoic acid	7.85	122	410658	55.317	ng	# 95
37) 2-Methylnaphthalene	8.71	142	136389	6.300	ng	# 98
45) 1,1'-Biophenyl	9.17	154	57239	2.868	ng	# 98
53) 2,4-Dinitrophenol	9.79	184	403	3.911	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	45867	4.109	ng	# 60
68) Atrazine	11.11	200	9205	2.792	ng	# 77
83) Bis(2-ethylhexyl)phthalate	13.85	149	92266	7.307	ng	# 98

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

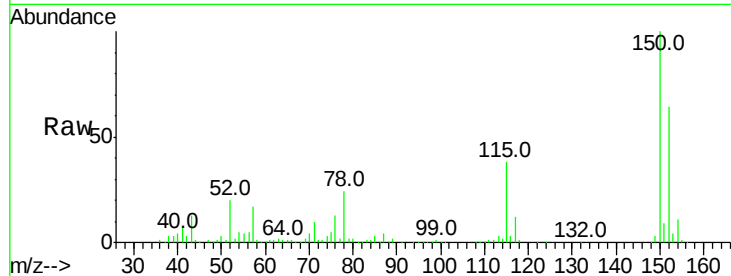


#1

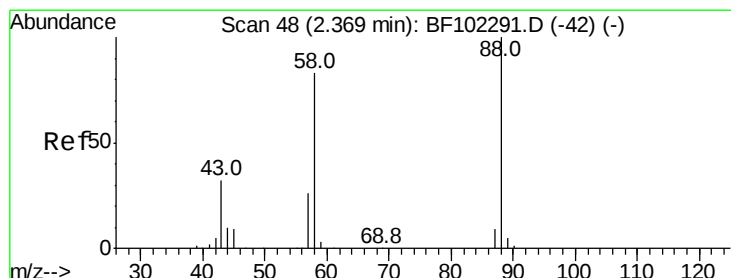
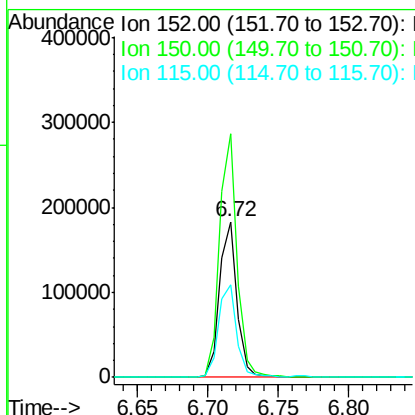
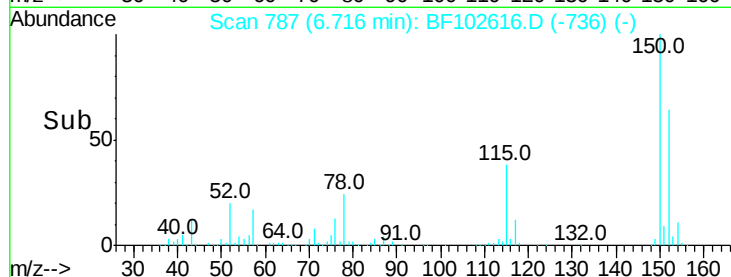
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	59.7	50.1	75.1



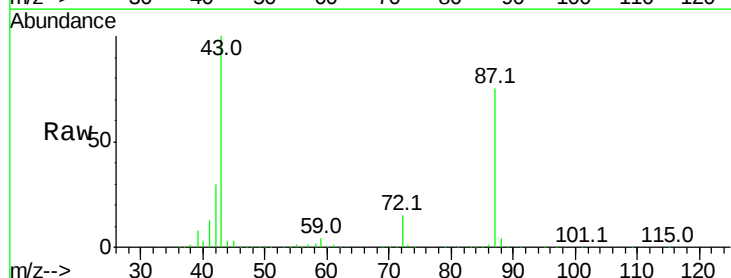
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



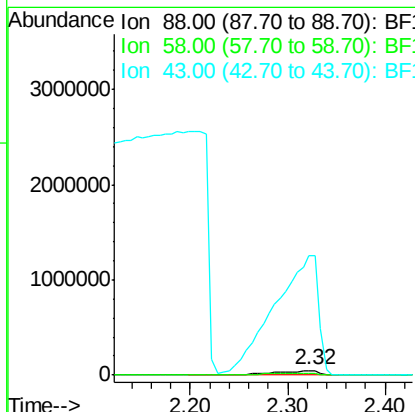
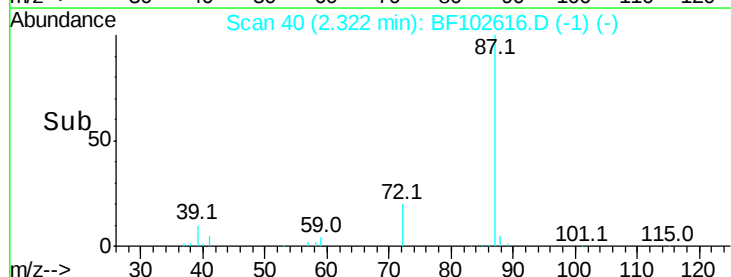
#2

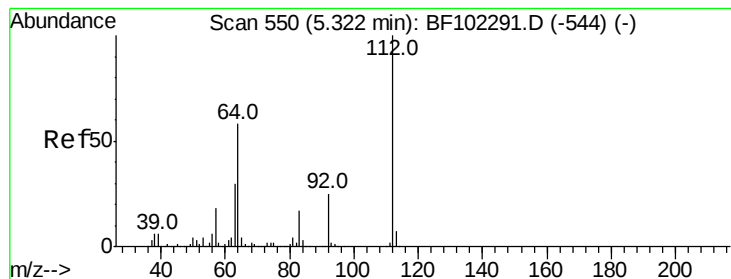
1,4-Dioxane
Concen: 27.742 ng
RT: 2.32 min Scan# 40
Delta R.T. -0.04 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.0	62.6	93.8#
43	2864.6	24.6	37.0#



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





#5

2-Fluorophenol

Concen: 117.003 ng

RT: 5.35 min Scan# 554

Delta R.T. 0.02 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

Instrument :
BNA_F
ClientSampled :

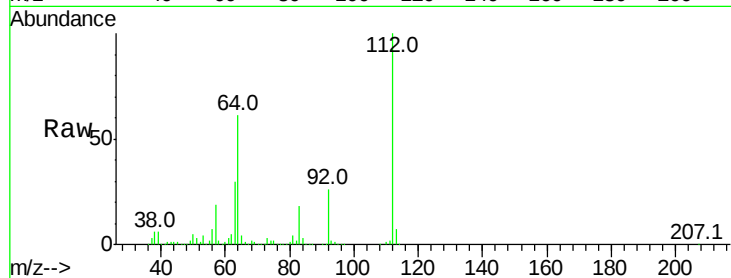
Tot Ion:112 Resp: 1222975

Ion Ratio Lower Upper

112 100

64 60.6 47.9 71.9

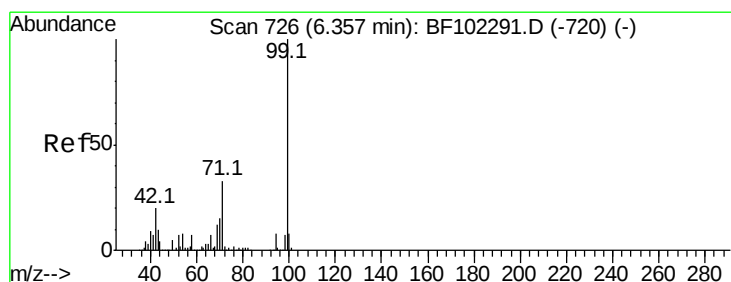
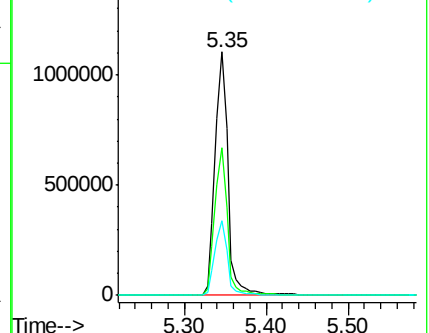
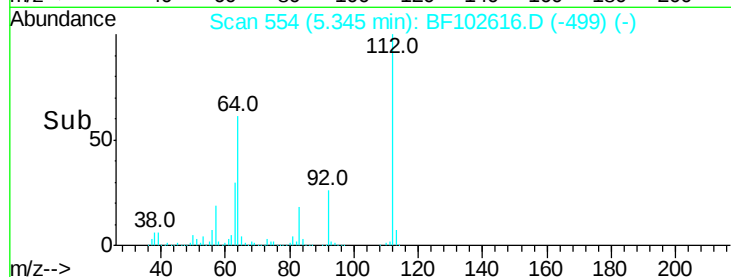
63 30.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 116.606 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

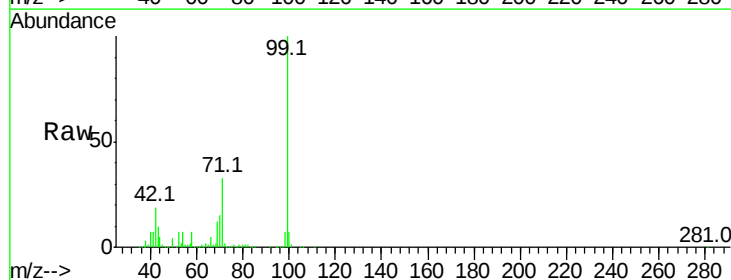
Tgt Ion: 99 Resp: 1469402

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

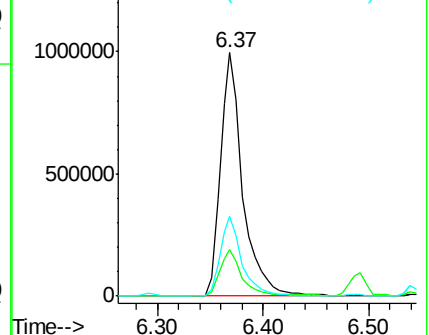
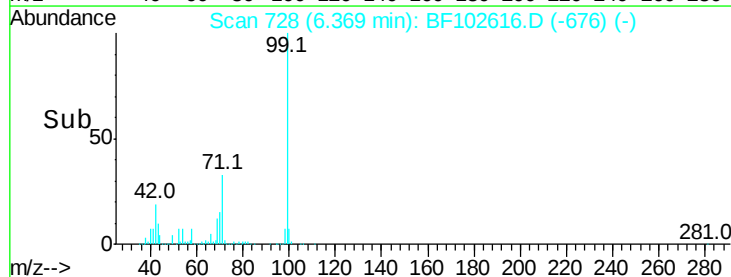
71 32.8 25.4 38.0

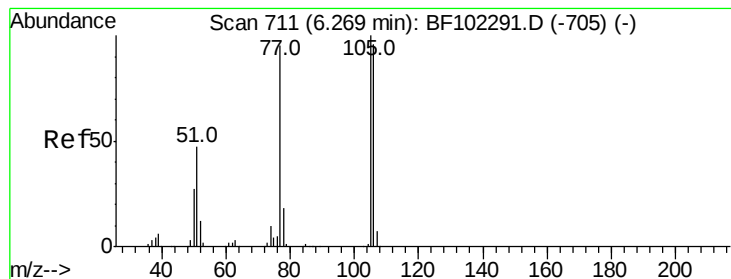


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 9.076 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

Instrument :

BNA_F

ClientSampleId :

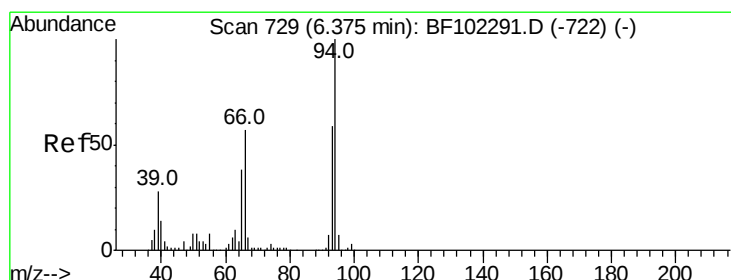
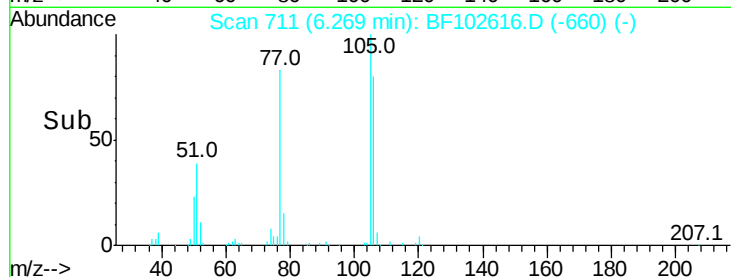
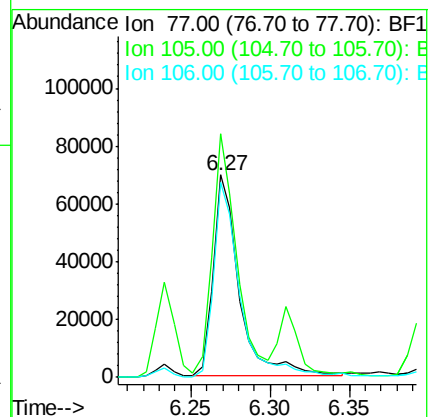
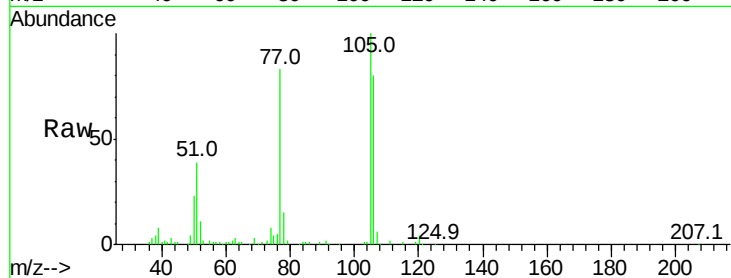
Tot Ion: 77 Resp: 79468

Ion Ratio Lower Upper

77 100

105 120.2 81.1 121.1

106 96.0 74.5 114.5



#10

Phenol

Concen: 2.439 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

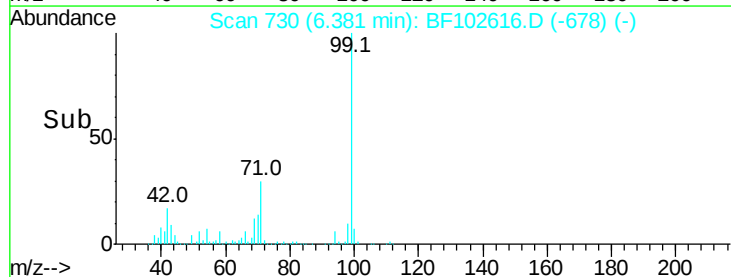
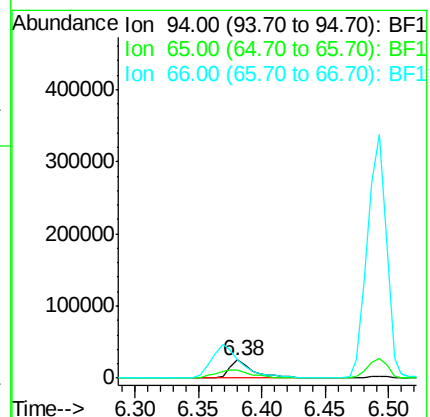
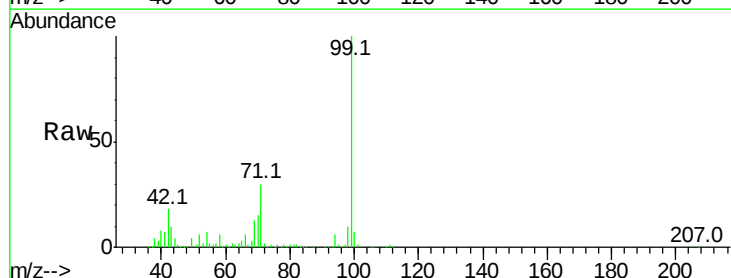
Tgt Ion: 94 Resp: 33560

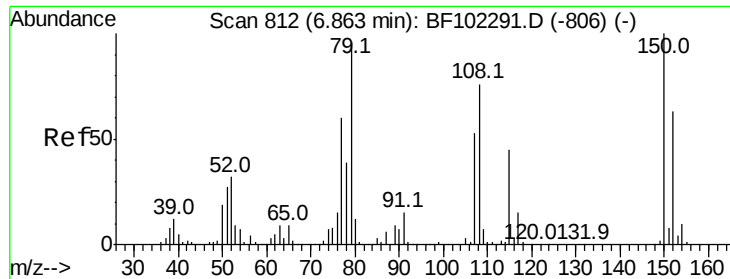
Ion Ratio Lower Upper

94 100

65 44.5 7.9 47.9

66 100.4 16.2 56.2#

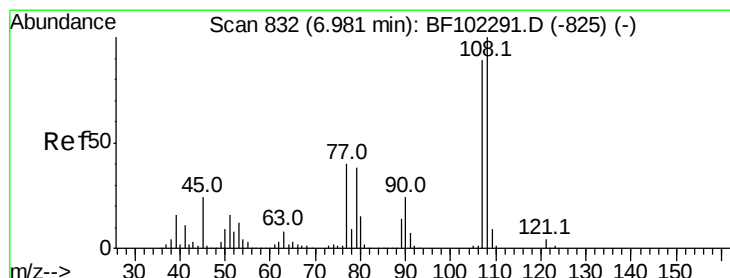
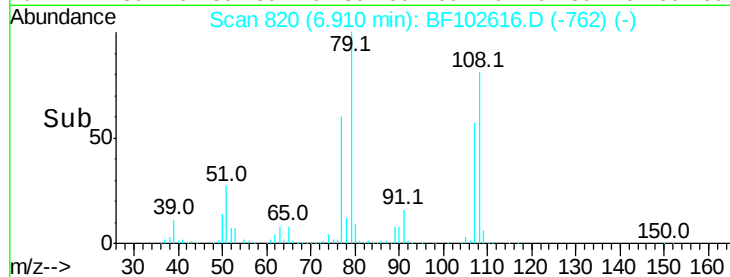
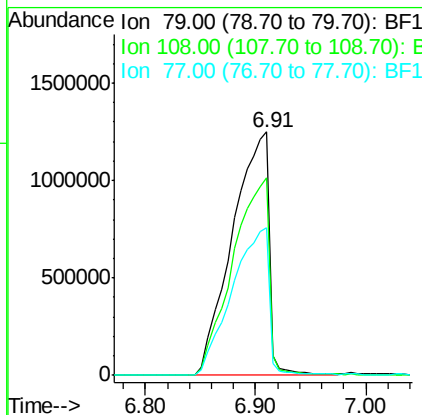
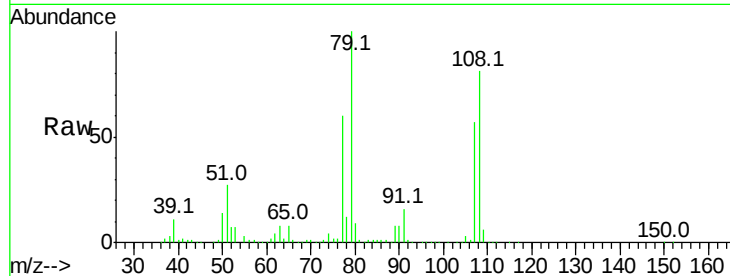




#15
Benzyl Alcohol
Concen: 327.582 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.04 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

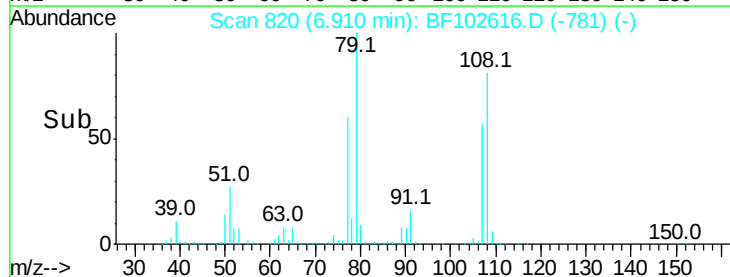
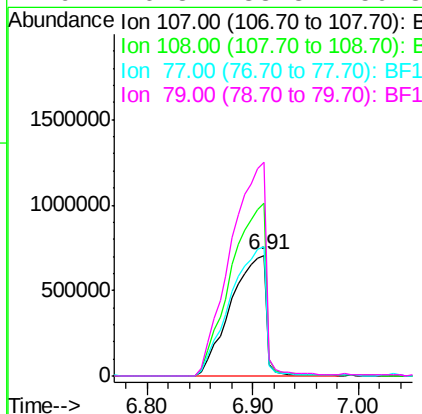
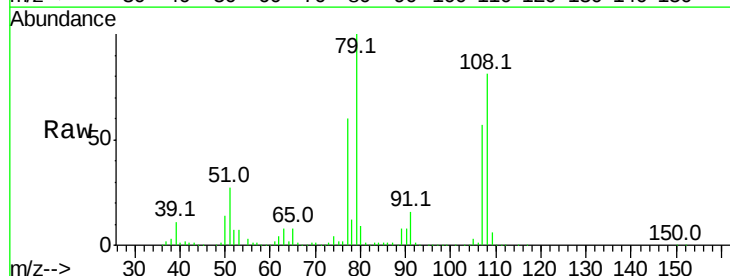
Instrument :
BNA_F
ClientSampleId :

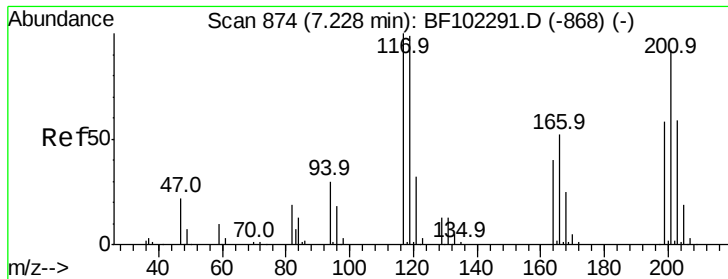
Tot Ion: 79 Resp: 2912581
Ion Ratio Lower Upper
79 100
108 81.1 65.1 97.7
77 60.4 50.6 75.8



#17
2-Methylphenol
Concen: 173.630 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion: 107 Resp: 1652258
Ion Ratio Lower Upper
107 100
108 143.4 91.7 137.5#
77 106.8 33.8 50.8#
79 176.8 33.8 50.8#

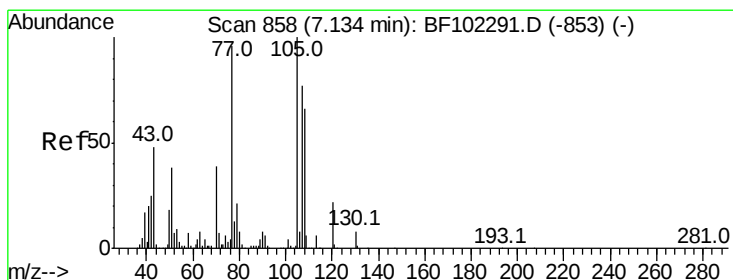
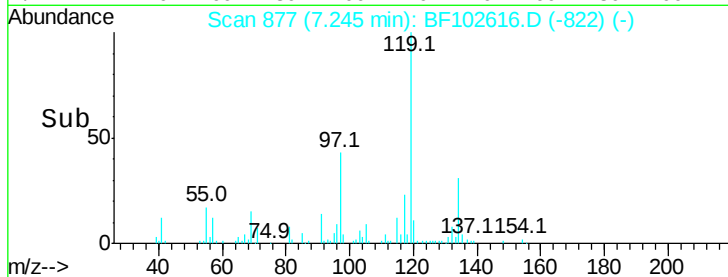
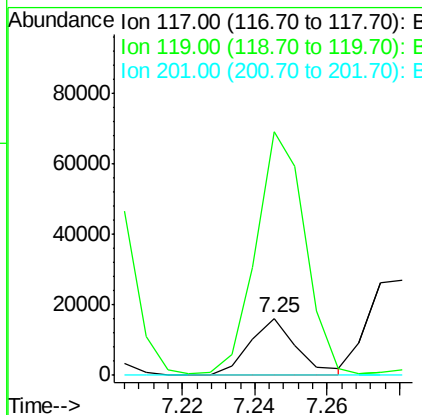
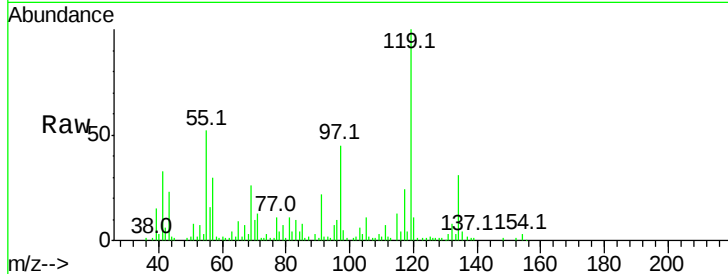




#18
Hexachloroethane
Concen: 3.250 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.02 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

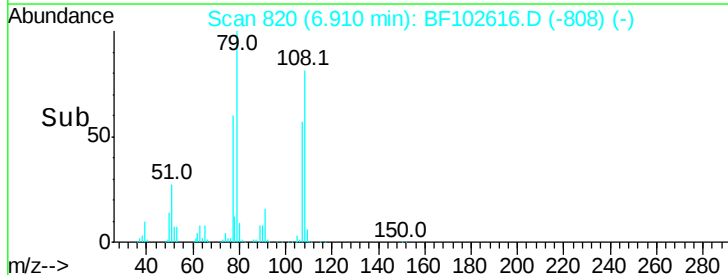
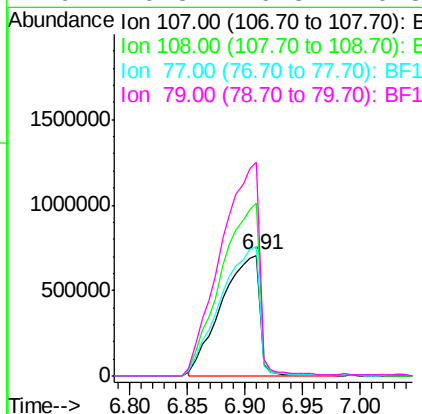
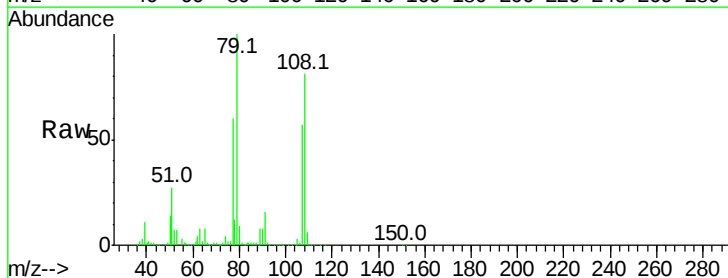
Instrument :
BNA_F
ClientSampled :

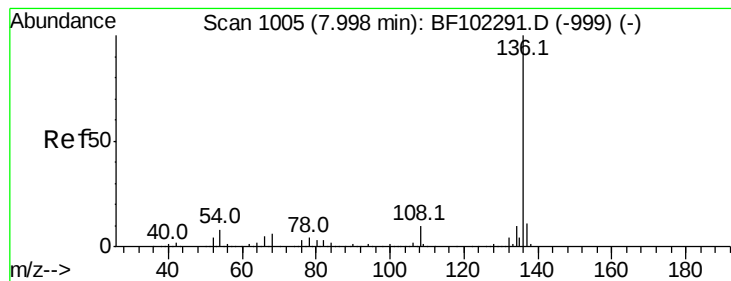
Tot Ion:117 Resp: 14782
Ion Ratio Lower Upper
117 100
119 424.5 75.8 113.8#
201 0.0 75.7 113.5#



#20
3+4-Methylphenols
Concen: 144.428 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.23 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion:107 Resp: 1616418
Ion Ratio Lower Upper
107 100
108 143.4 68.2 108.2#
77 106.8 26.7 66.7#
79 176.8 6.3 46.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 651075

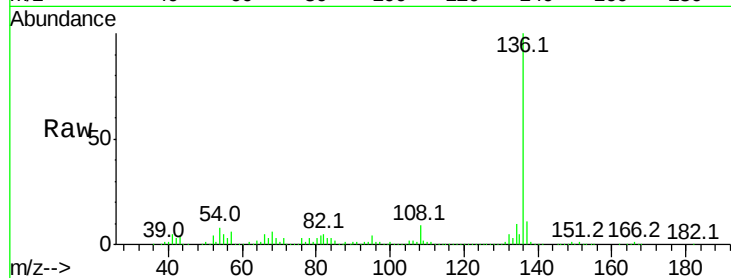
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.4 6.6 9.8

68 6.4 5.0 7.4

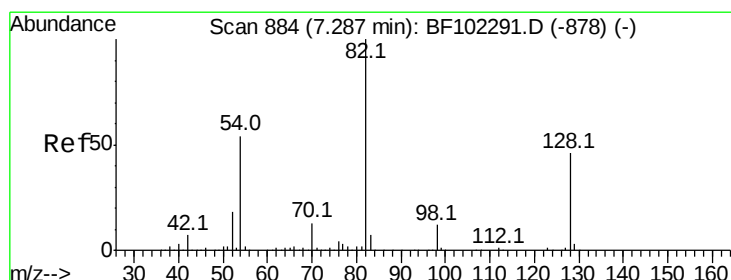
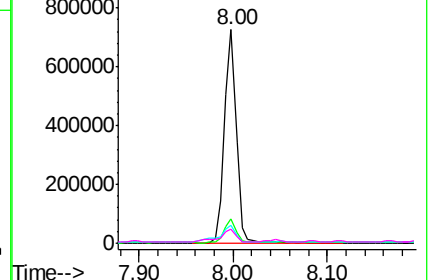
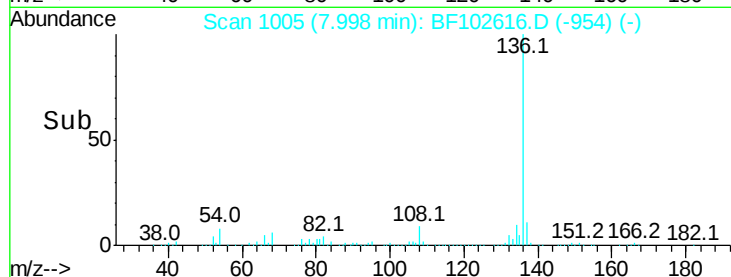


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 92.876 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

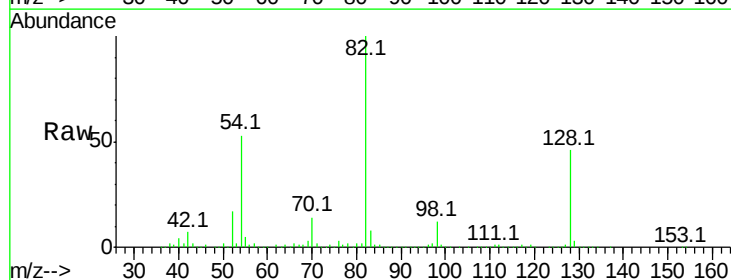
Tgt Ion: 82 Resp: 1052247

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

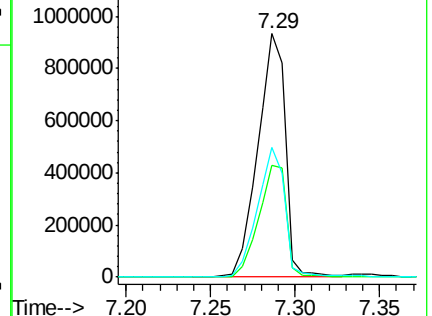
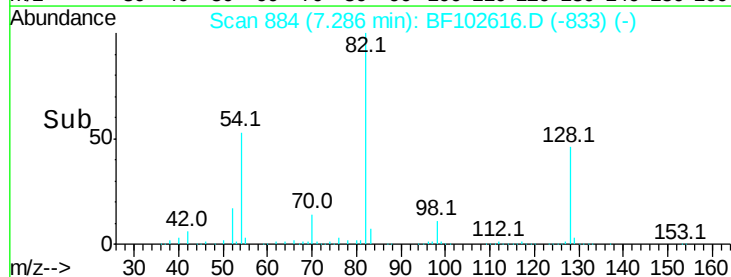
54 53.2 41.4 62.2

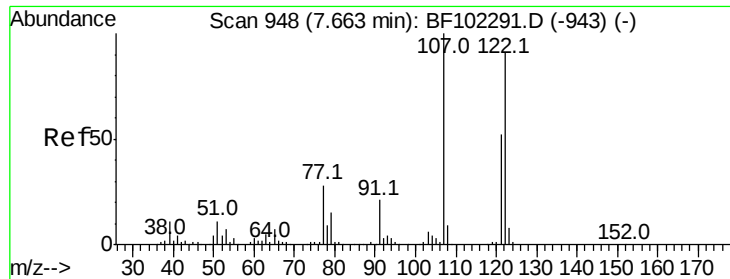


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

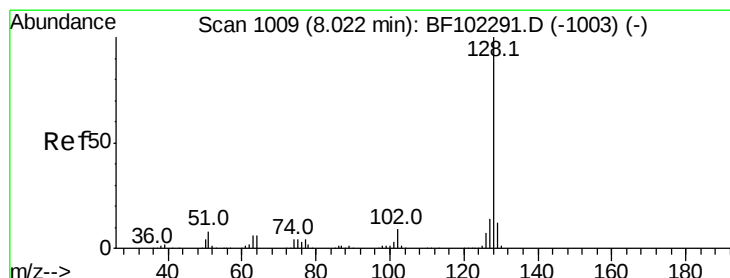
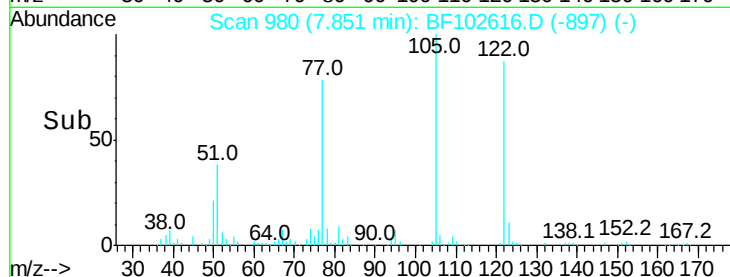
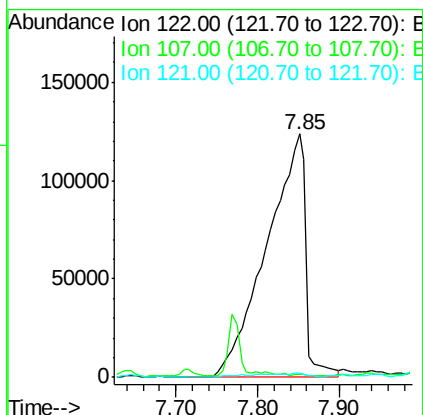
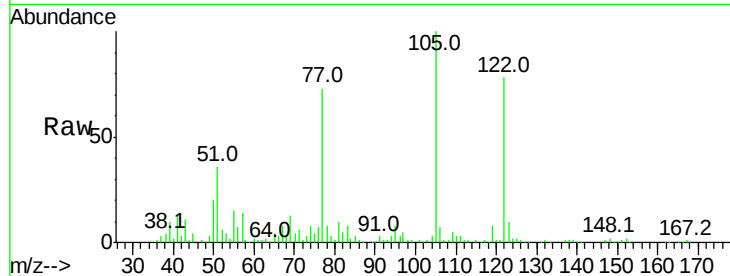




#27
2,4-Dimethylphenol
Concen: 46.346 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.19 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

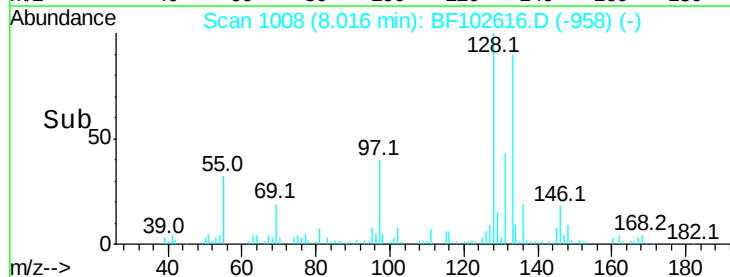
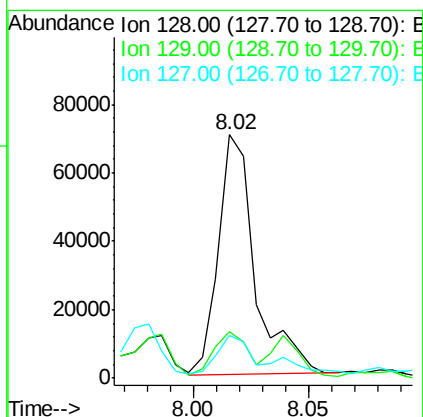
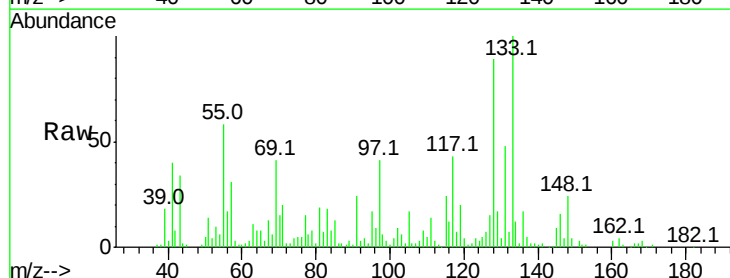
Instrument :
BNA_F
ClientSampleId :

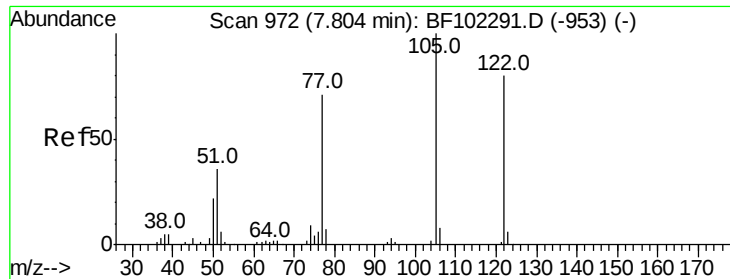
Tot Ion:122 Resp: 410658
Ion Ratio Lower Upper
122 100
107 1.1 91.2 136.8#
121 1.6 47.2 70.8#



#31
Naphthalene
Concen: 2.379 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion:128 Resp: 77331
Ion Ratio Lower Upper
128 100
129 18.9 8.8 13.2#
127 17.3 10.9 16.3#

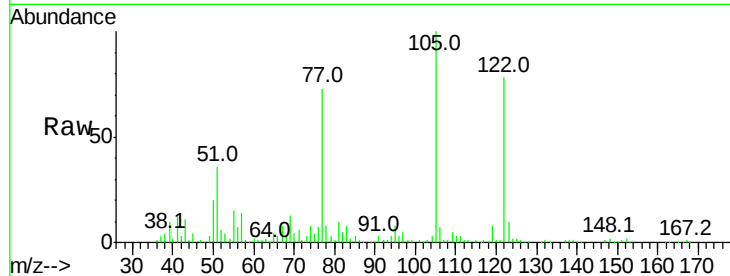




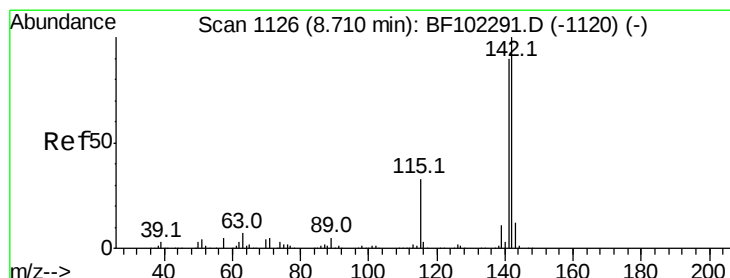
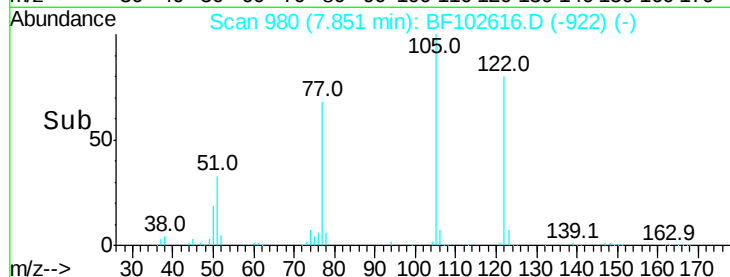
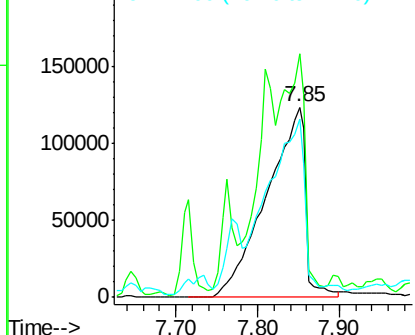
#32
Benzoic acid
Concen: 55.317 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.04 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 410658
Ion Ratio Lower Upper
122 100
105 128.1 101.1 141.1
77 94.1 70.7 110.7

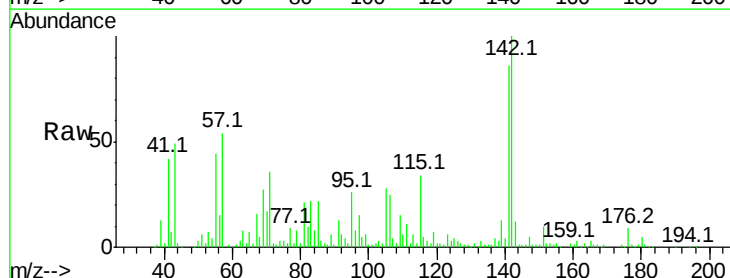


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

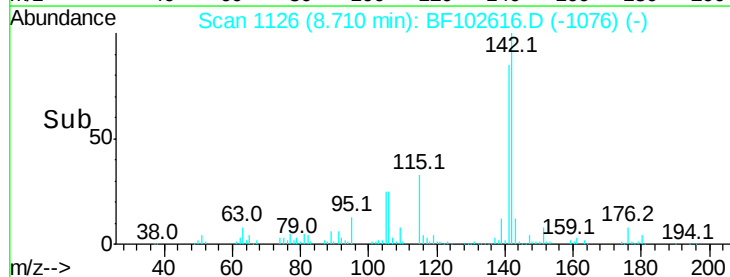
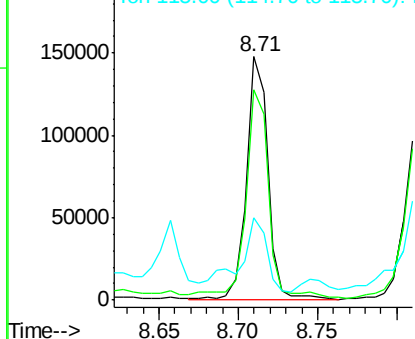


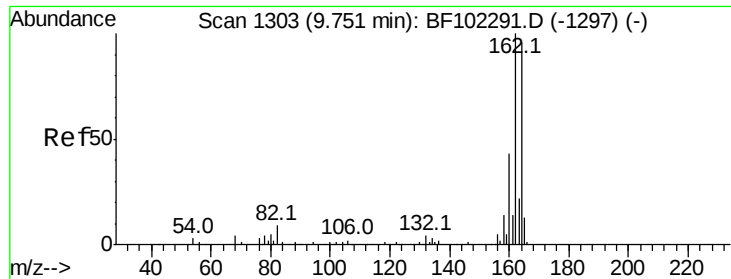
#37
2-Methylnaphthalene
Concen: 6.300 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion:142 Resp: 136389
Ion Ratio Lower Upper
142 100
141 86.3 70.8 106.2
115 33.6 26.1 39.1



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

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

Instrument :

BNA_F

ClientSampleId :

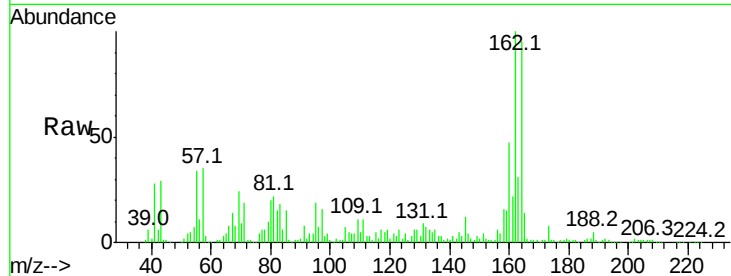
Tot Ion:164 Resp: 223199

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

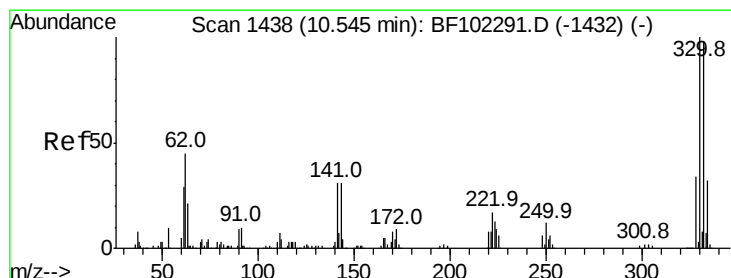
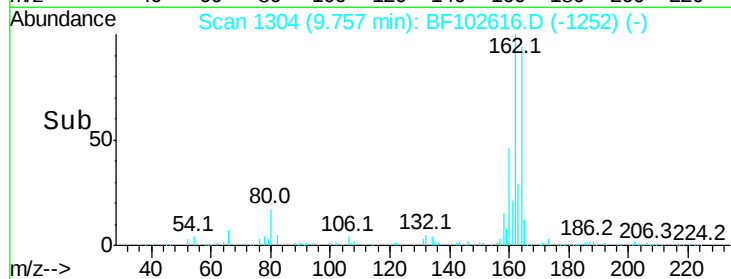
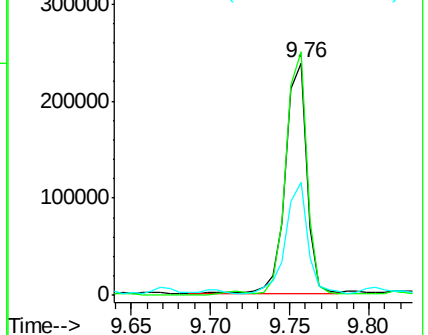
160 48.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 110.448 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

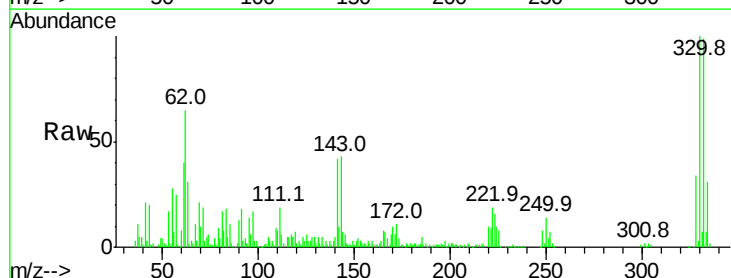
Tgt Ion:330 Resp: 244264

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

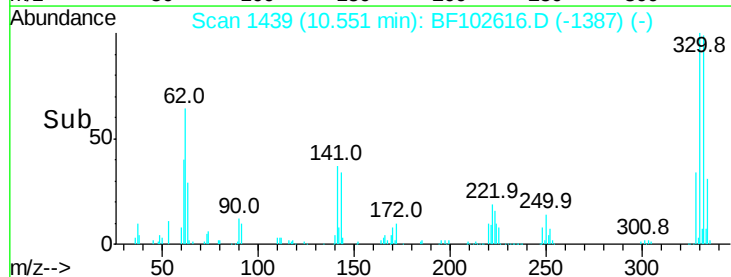
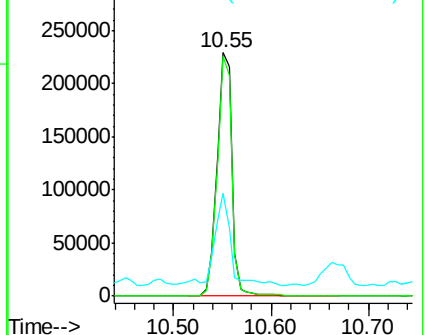
141 37.7 29.9 44.9

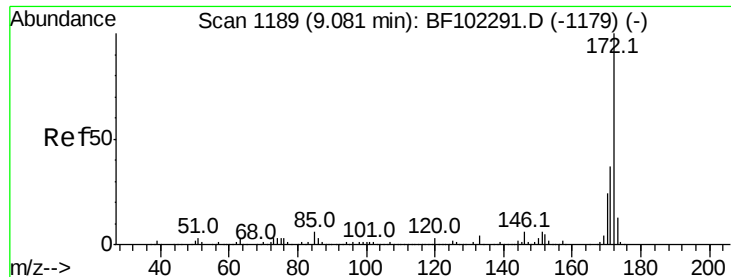


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

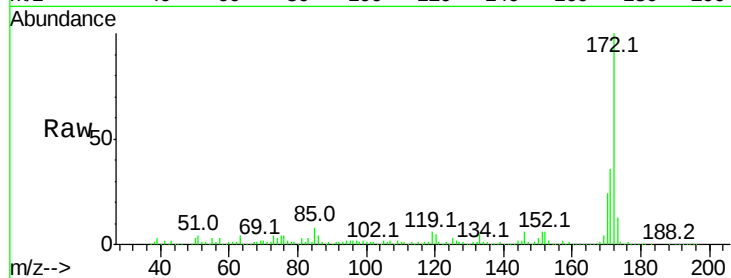




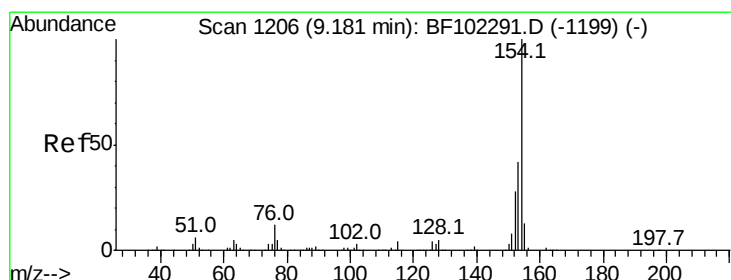
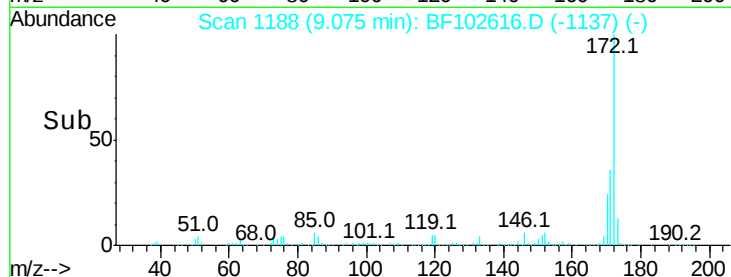
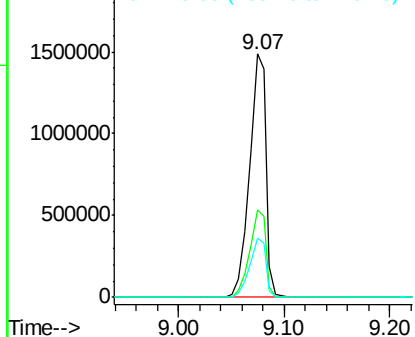
#44
2-Fluorobiphenyl
Concen: 106.374 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1614758
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.4 19.6 29.4

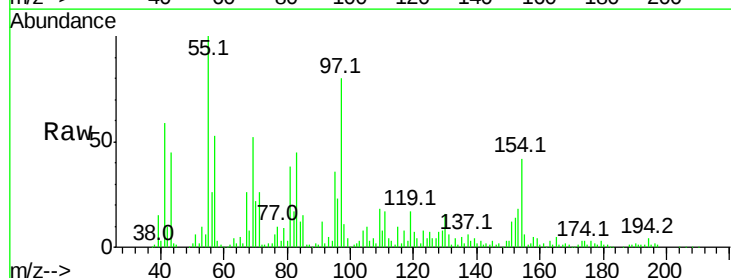


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

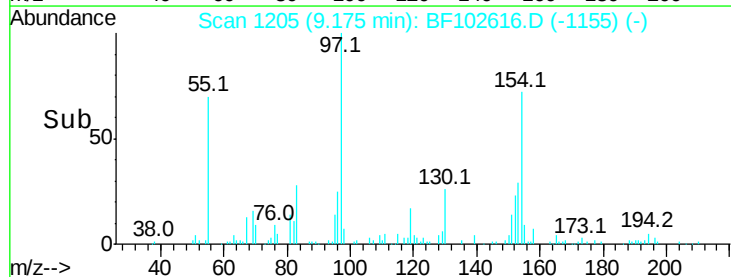
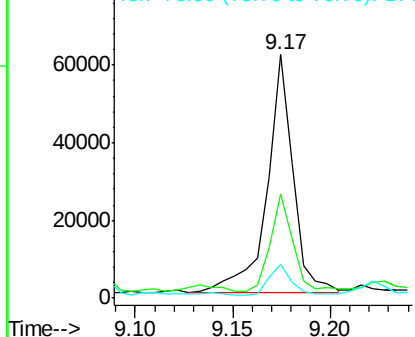


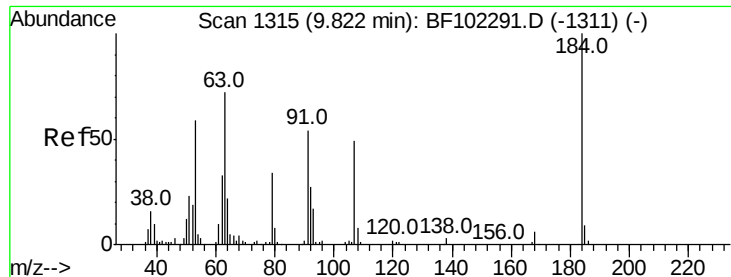
#45
1,1'-Biphenyl
Concen: 2.868 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion:154 Resp: 57239
Ion Ratio Lower Upper
154 100
153 42.6 21.3 61.3
76 13.8 0.0 34.0



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

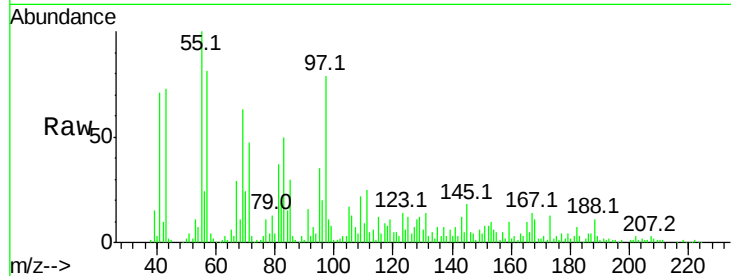




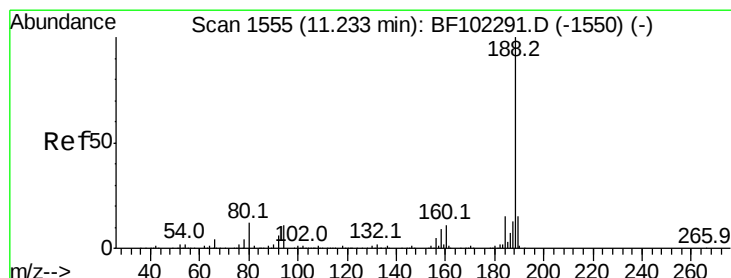
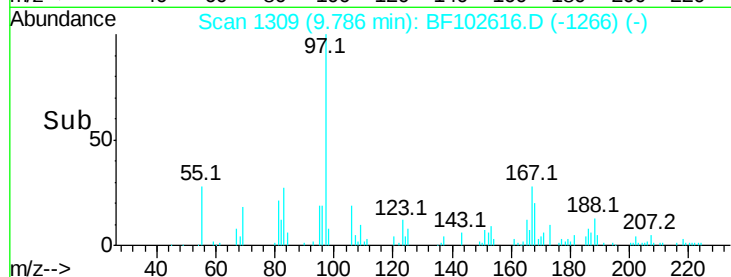
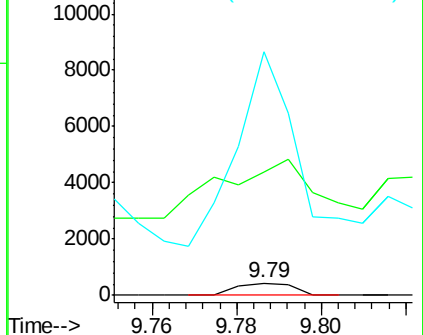
#53
 2,4-Dinitrophenol
 Concen: 3.911 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.05 min
 Lab File: BF102616.D
 Acq: 29 Jan 2018 23:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 403
 Ion Ratio Lower Upper
 184 100
 63 1005.5 54.2 81.2#
 154 1980.1 184.0 276.0#

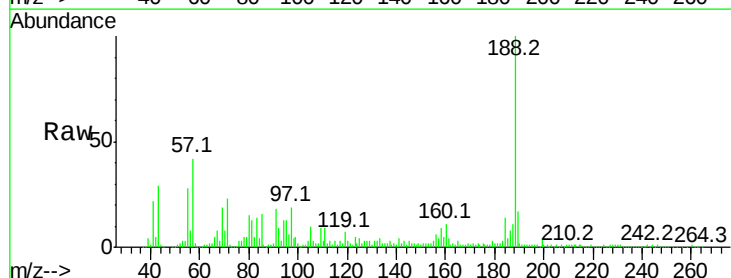


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

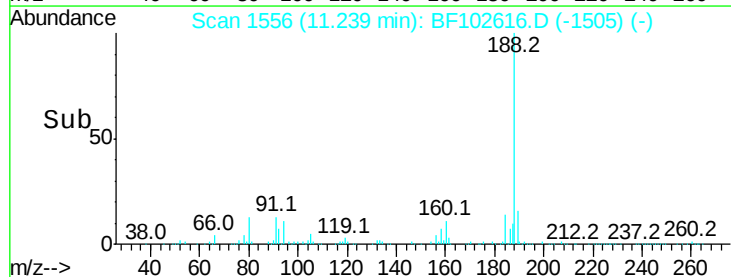
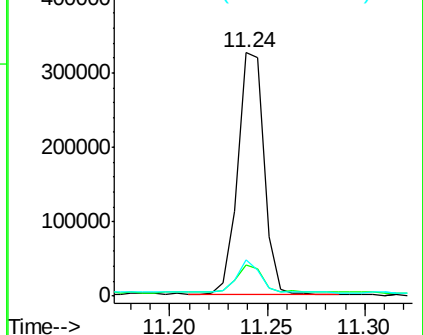


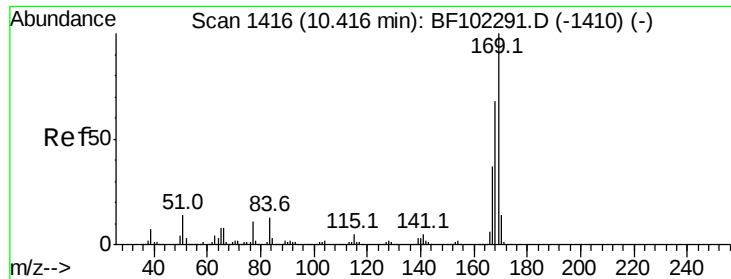
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF102616.D
 Acq: 29 Jan 2018 23:59

Tgt Ion:188 Resp: 304128
 Ion Ratio Lower Upper
 188 100
 94 12.5 8.5 12.7
 80 14.8 9.2 13.8#



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

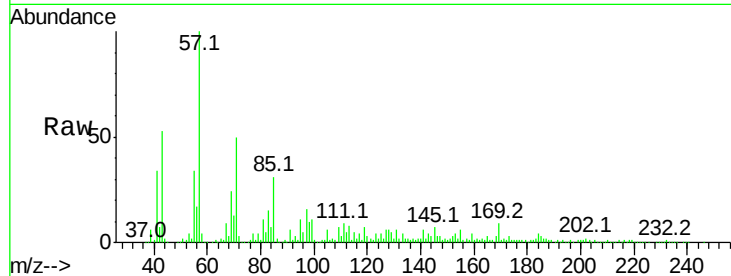




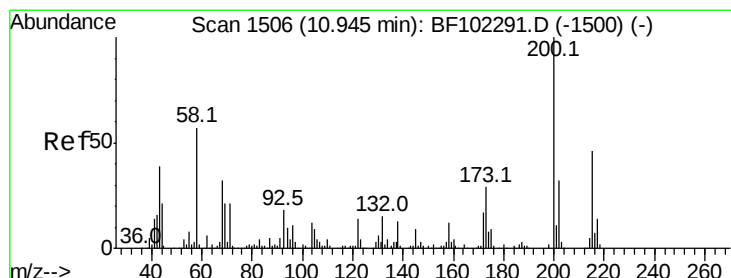
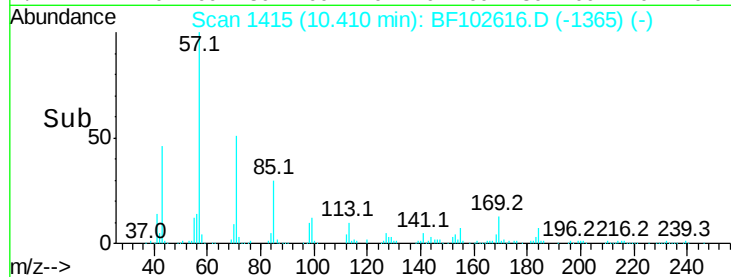
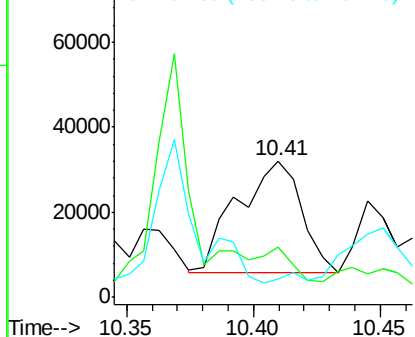
#65
n-Nitrosodiphenylamine
Concen: 4.109 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:169 Resp: 45867
Ion Ratio Lower Upper
169 100
168 36.4 54.4 81.6#
167 13.1 29.8 44.6#

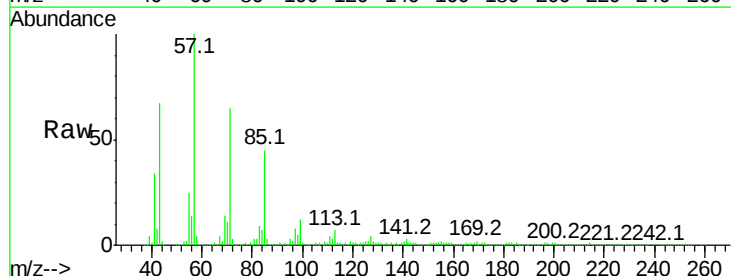


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

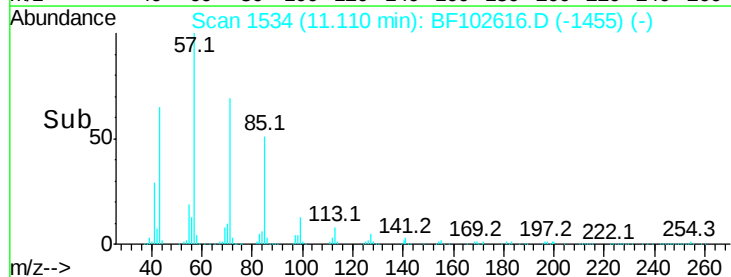
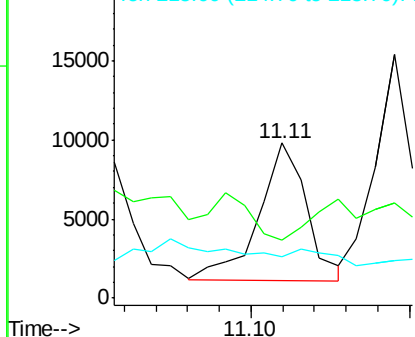


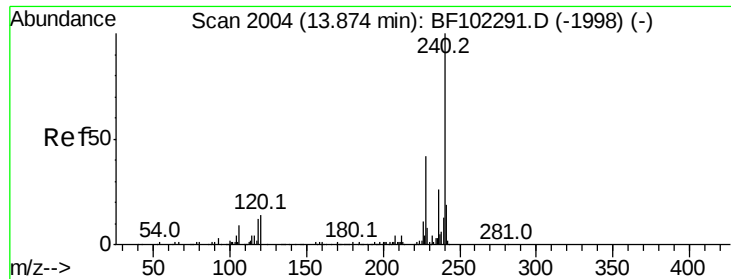
#68
Atrazine
Concen: 2.792 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.16 min
Lab File: BF102616.D
Acq: 29 Jan 2018 23:59

Tgt Ion:200 Resp: 9205
Ion Ratio Lower Upper
200 100
173 37.2 8.6 48.6
215 26.9 25.1 65.1



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





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

Instrument :

BNA_F

ClientSampleId :

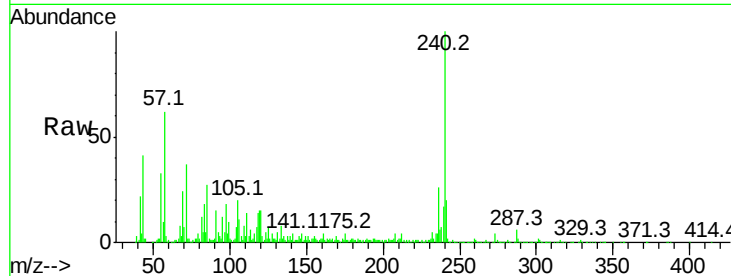
Tot Ion:240 Resp: 244210

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

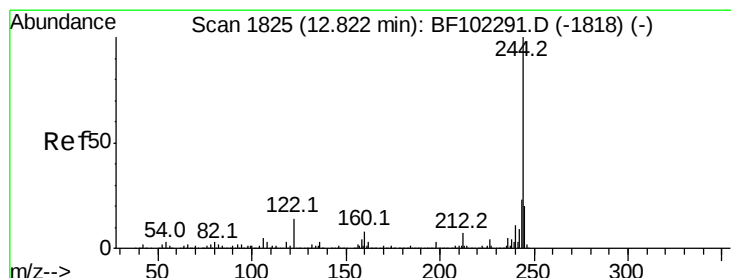
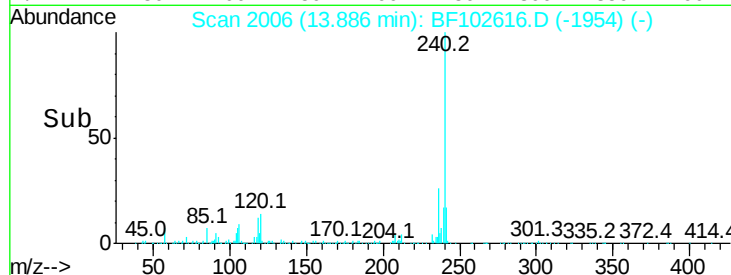
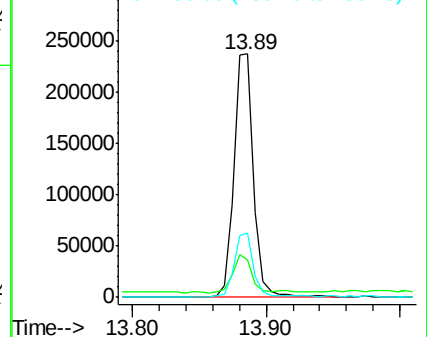
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 91.543 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102616.D

Acq: 29 Jan 2018 23:59

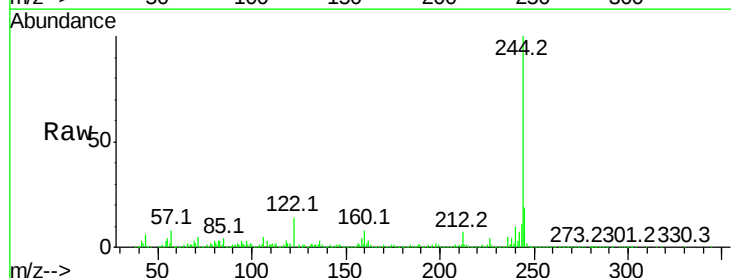
Tgt Ion:244 Resp: 991667

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

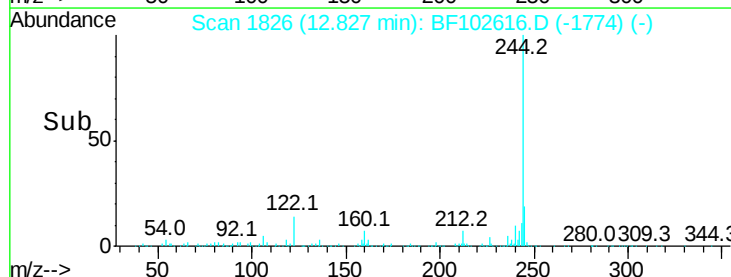
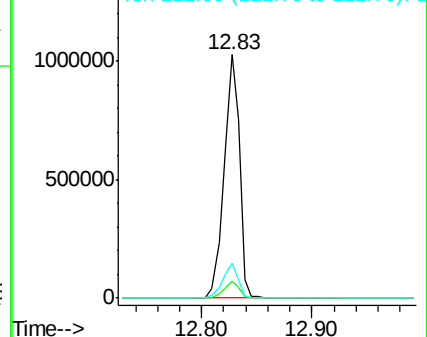
122 14.1 11.0 16.4

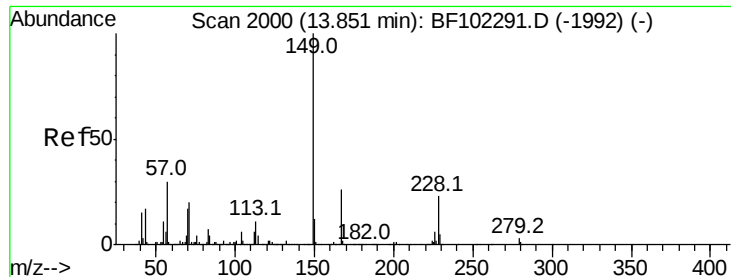


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

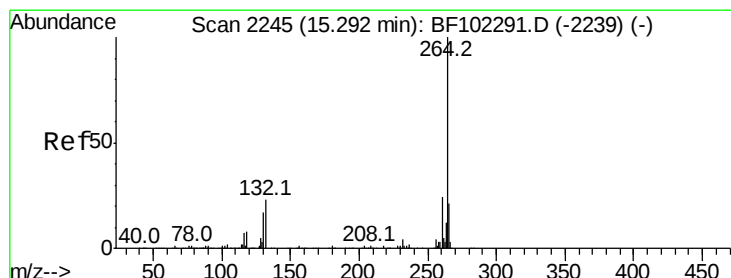
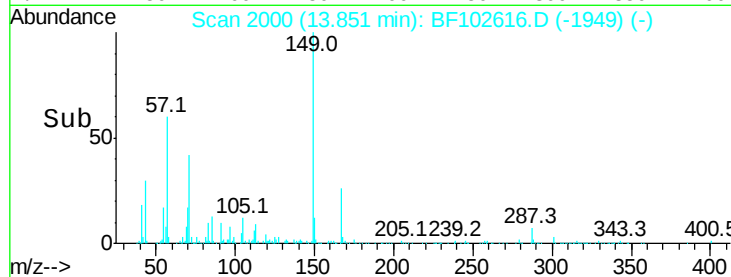
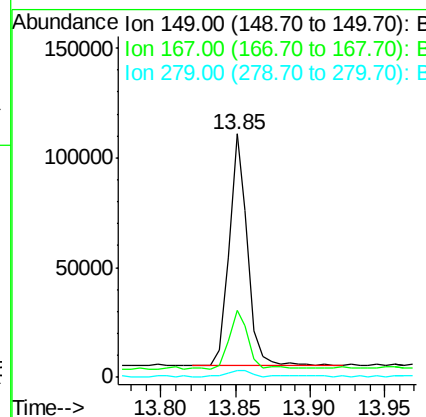
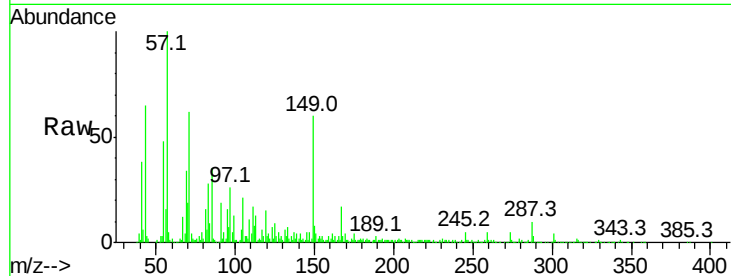




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.307 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.00 min
 Lab File: BF102616.D
 Acq: 29 Jan 2018 23:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 92266
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.3 31.9
 279 3.0 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF102616.D
 Acq: 29 Jan 2018 23:59

Tgt Ion:264 Resp: 95082
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.2 28.8
 265 21.7 17.5 26.3

