

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103751.D
 Acq On : 19 Mar 2018 12:37
 Operator : JU/SJ
 Sample : J1913-03RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

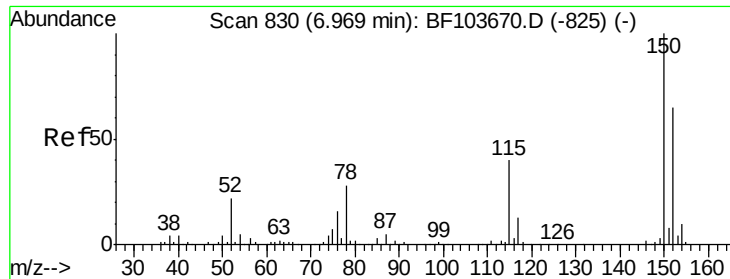
Quant Time: Mar 19 13:26:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 10:47:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	164064	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	670982	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	314826	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	576169	20.00	ng	0.00
75) Chrysene-d12	14.16	240	537007	20.00	ng	0.00
86) Perylene-d12	15.69	264	480609	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1266867	117.45	ng	0.01
7) Phenol-d6	6.60	99	1401955	106.24	ng	0.00
23) Nitrobenzene-d5	7.53	82	1073061	111.52	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	415462	153.48	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1705299	86.40	ng	0.00
78) Terphenyl-d14	13.10	244	1832231	79.20	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.53	82	1073048	48.175	ng	# 64
31) Naphthalene	8.27	128	87585	2.584	ng	# 99
32) Benzoic acid	8.02	122	117	9.919	ng	# 1
47) 2-Nitroaniline	9.46	65	463	6.887	ng	# 2
50) 2,6-Dinitrotoluene	9.75	165	12784	6.507	ng	# 28
52) 3-Nitroaniline	9.98	138	868	3.958	ng	# 1
55) 4-Nitrophenol	10.22	139	1050	5.194	ng	# 39
56) 2,4-Dinitrotoluene	10.01	165	40125	12.148	ng	# 23
58) 2,3,4,6-Tetrachlorophenol	10.33	232	14760	3.213	ng	# 97
61) 4-Nitroaniline	10.63	138	115	3.769	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	900	8.585	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	25265	4.271	ng	# 1
68) Atrazine	11.30	200	24101	3.973	ng	# 37
69) Pentachlorophenol	11.30	266	121731	31.360	ng	# 98

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

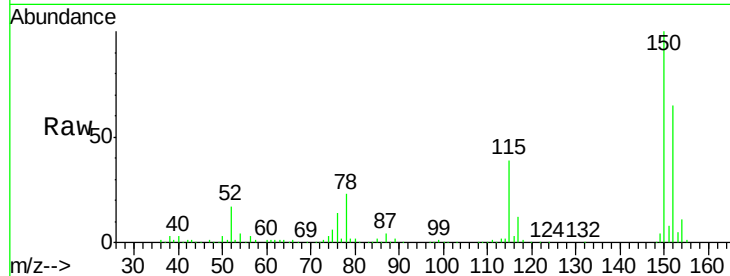


#1

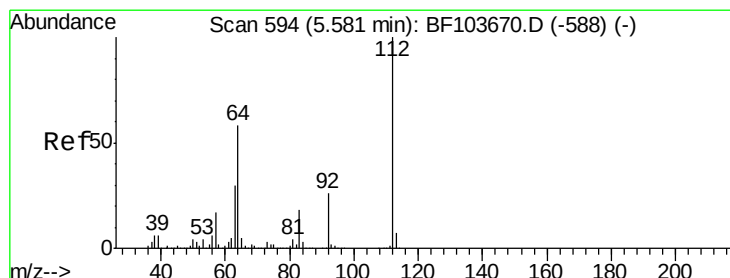
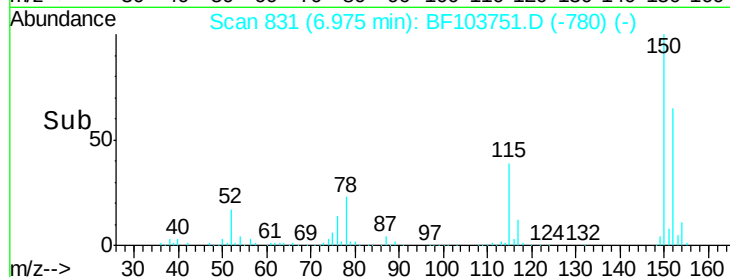
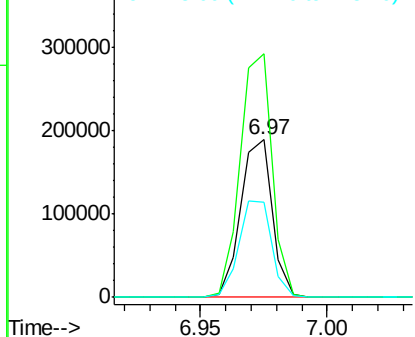
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164064
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 60.1 50.1 75.1



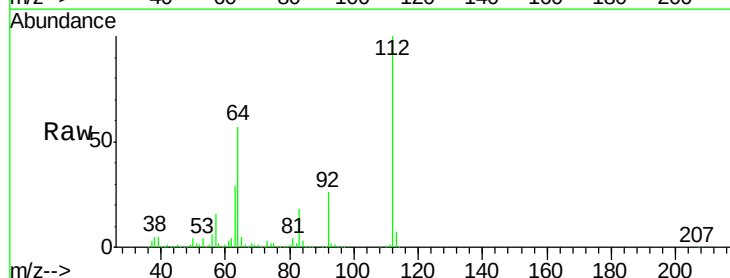
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



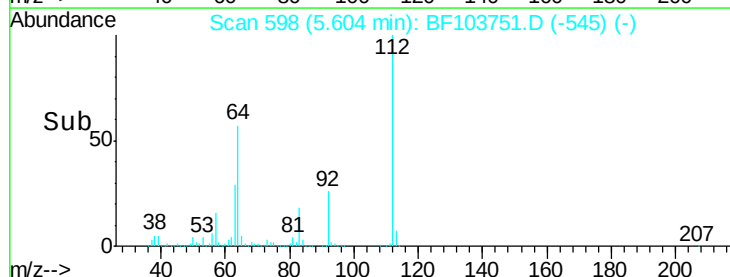
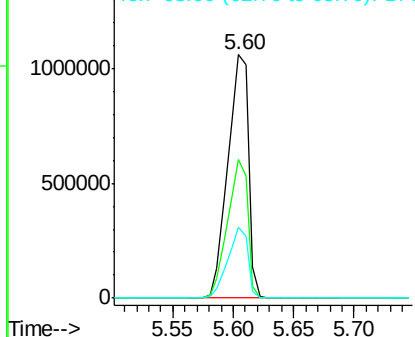
#5

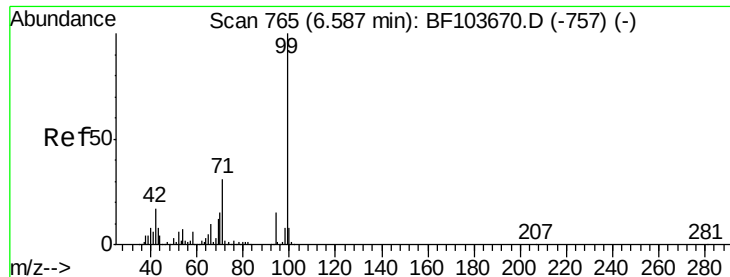
2-Fluorophenol
Concen: 117.448 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion:112 Resp: 1266867
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 28.9 23.7 35.5



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: 106.235 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

Instrument :

BNA_F

ClientSampleId :

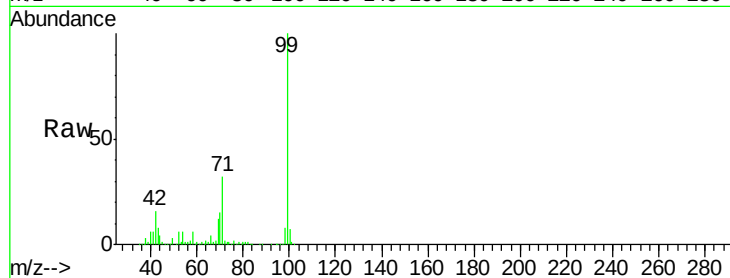
Tot Ion: 99 Resp: 1401955

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

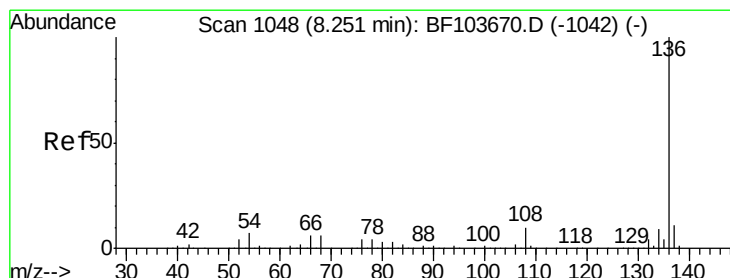
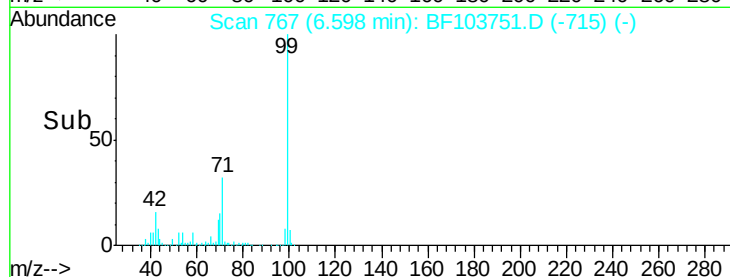
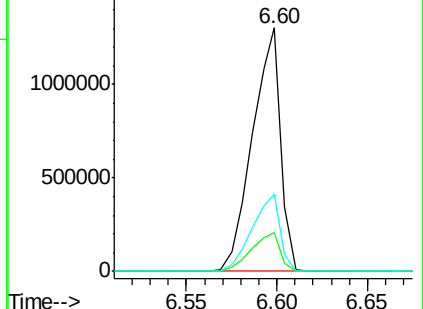
71 32.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

Tgt Ion: 136 Resp: 670982

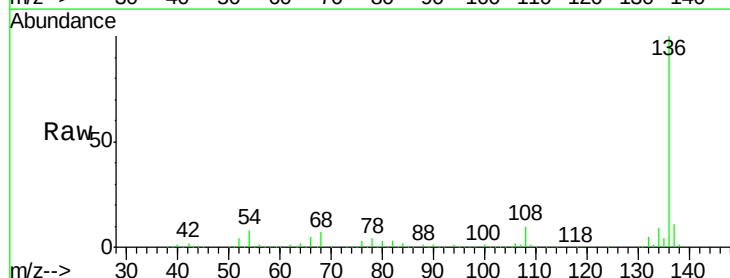
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.7 6.6 9.8

68 6.6 5.0 7.4

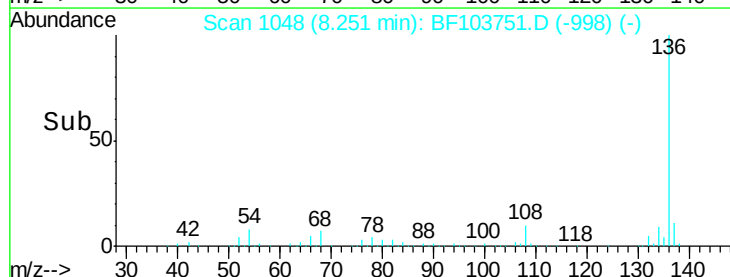
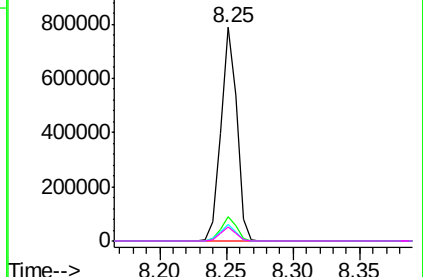


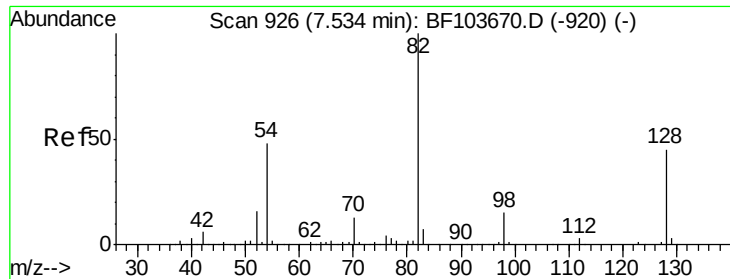
Abundance Ion 136.00 (135.70 to 136.70): E

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

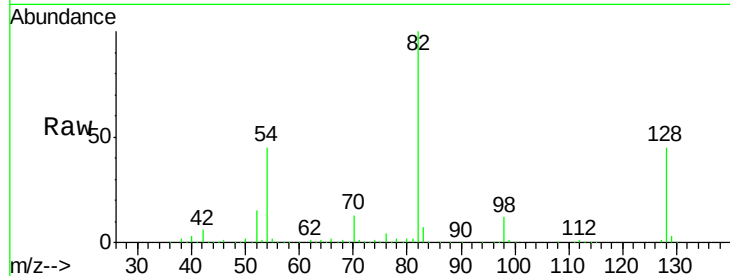




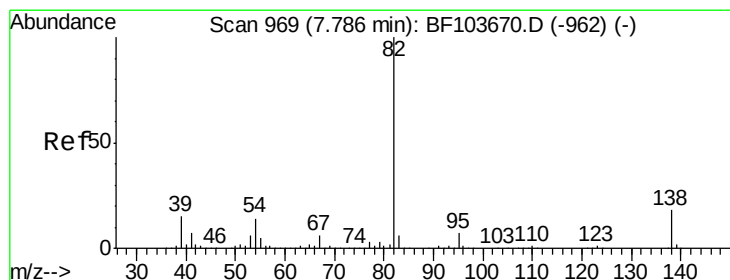
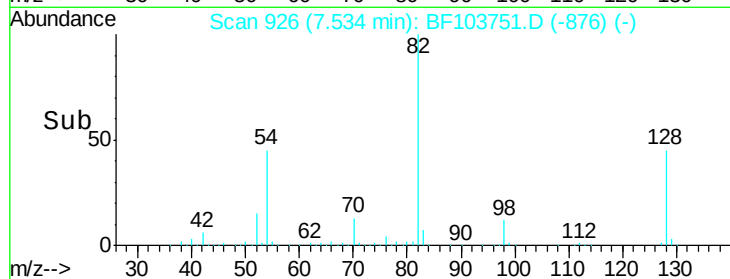
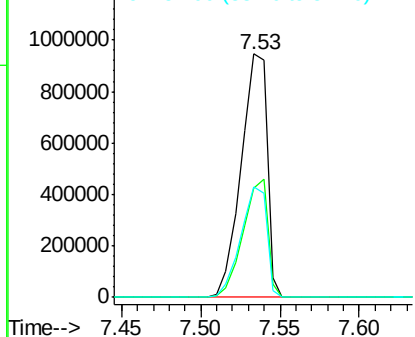
#23
 Nitrobenzene-d5
 Concen: 111.524 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1073061
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.1 54.1
 54 45.4 41.4 62.2

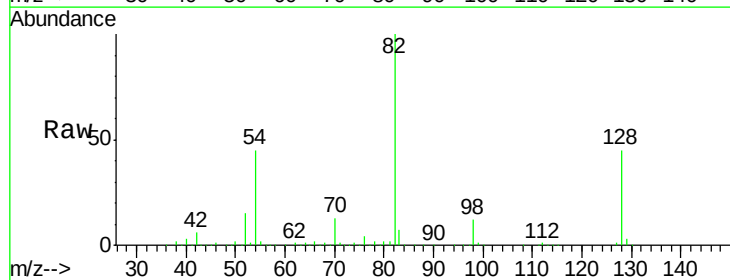


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

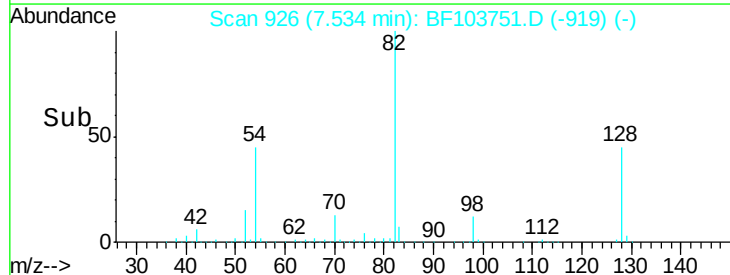
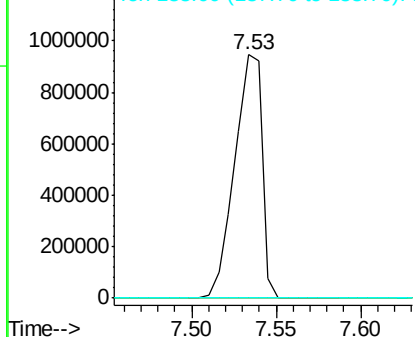


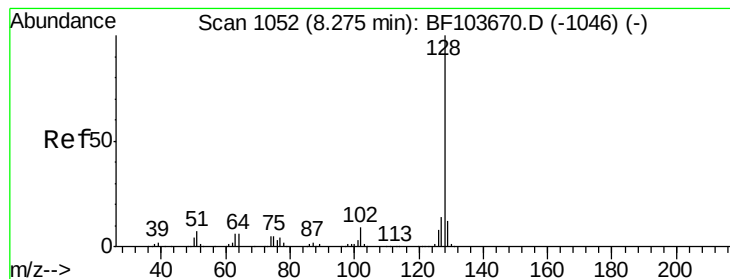
#25
 Isophorone
 Concen: 48.175 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Tgt Ion: 82 Resp: 1073048
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



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





#31

Naphthalene

Concen: 2.584 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

Instrument :

BNA_F

ClientSampleId :

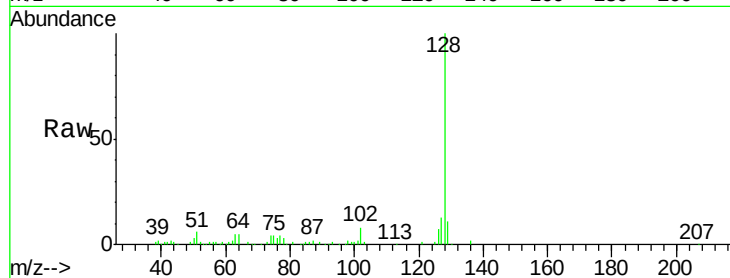
Tot Ion:128 Resp: 87585

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

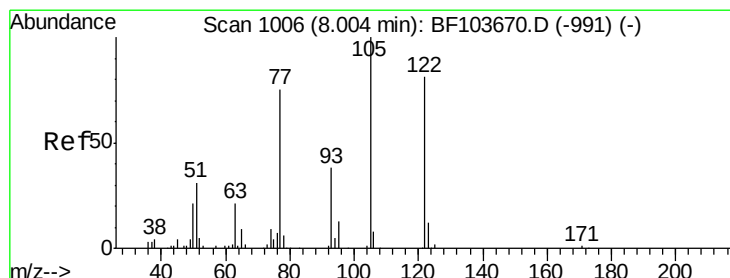
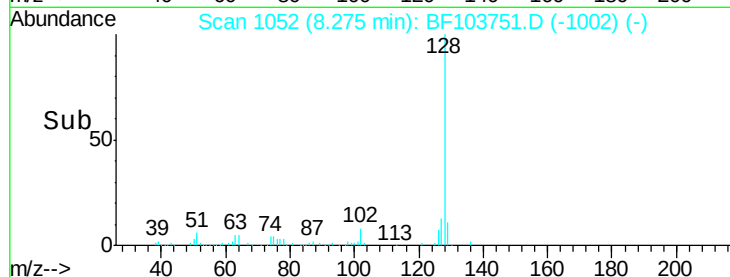
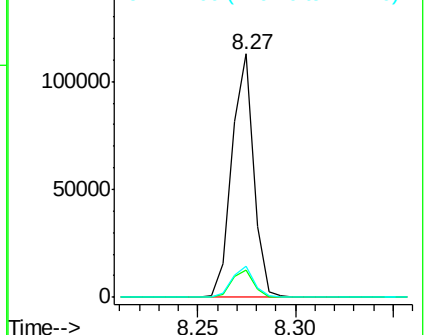
127 12.7 10.9 16.3



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: 9.919 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

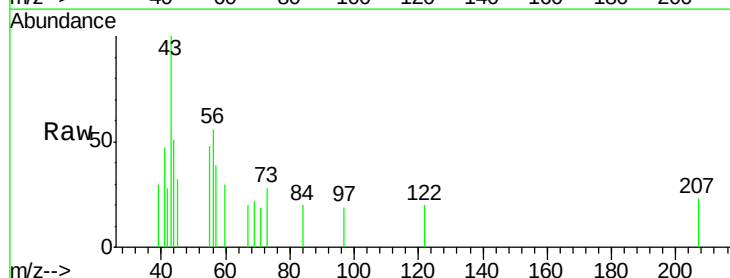
Tgt Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

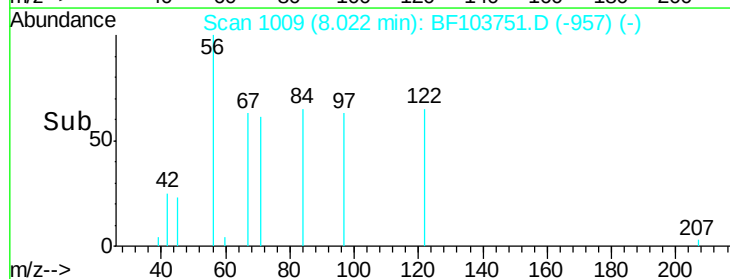
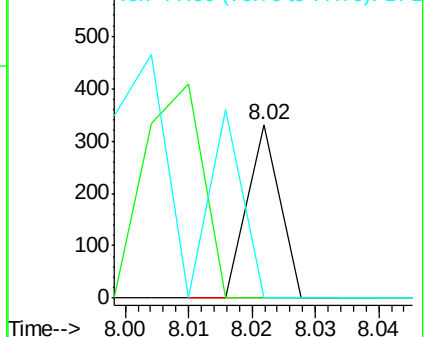
77 0.0 70.7 110.7#

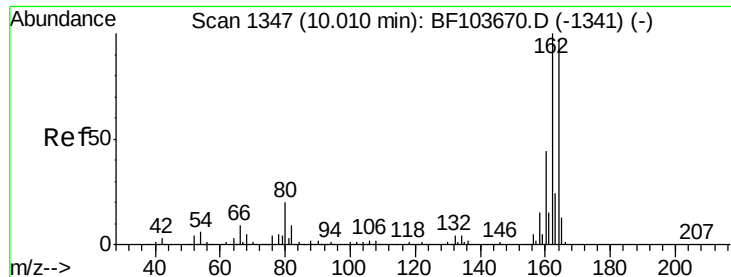


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

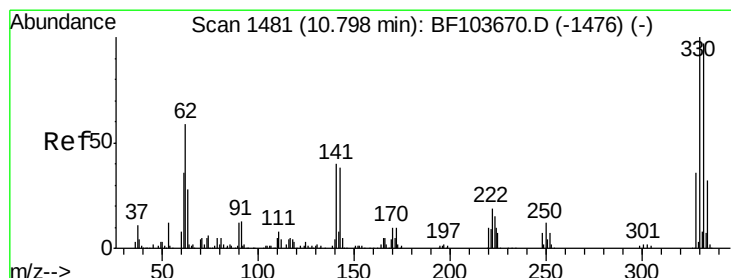
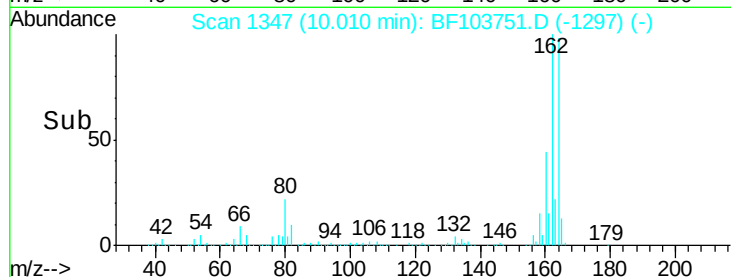
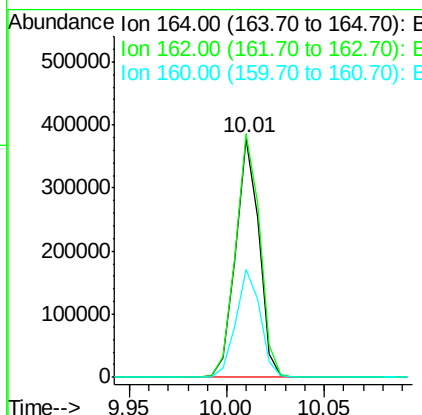
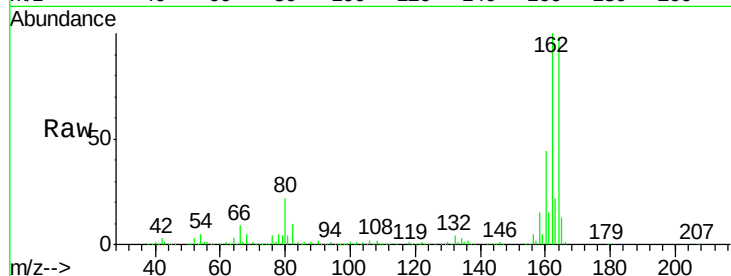




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

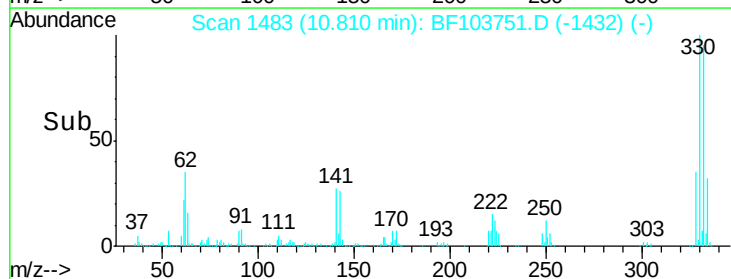
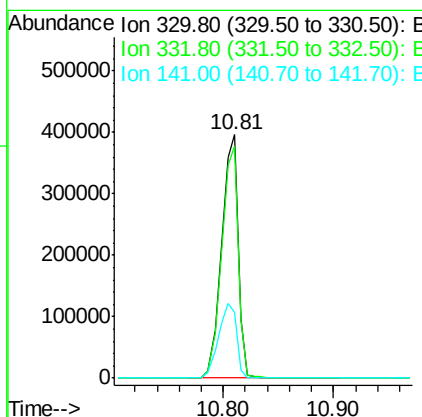
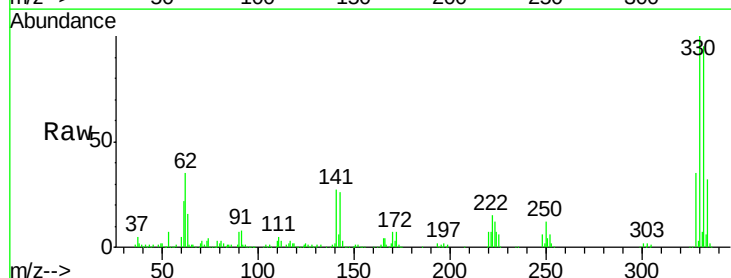
Instrument :
 BNA_F
 ClientSampled :

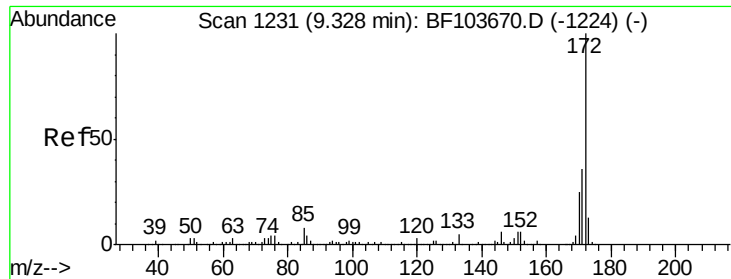
Tot Ion:164 Resp: 314826
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.1 129.1
 160 45.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 153.483 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Tgt Ion:330 Resp: 415462
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 33.1 29.9 44.9

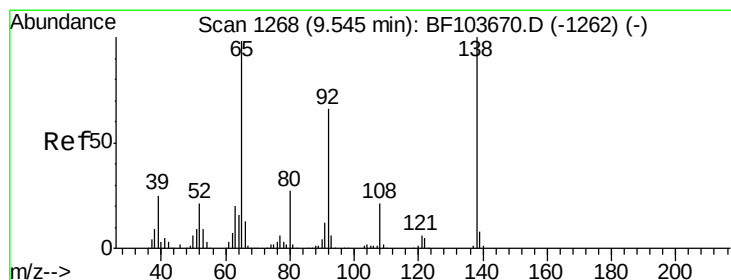
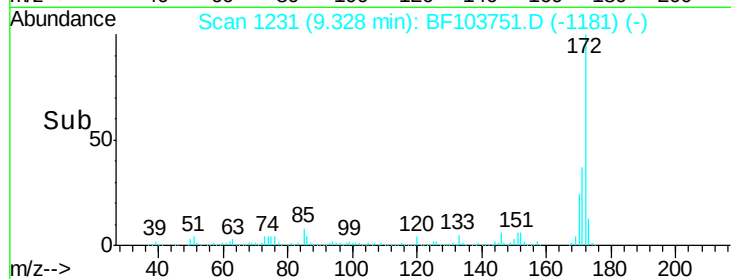
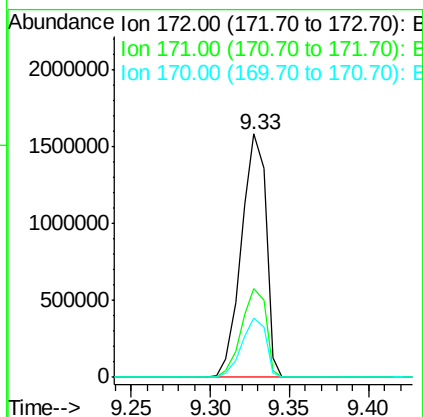
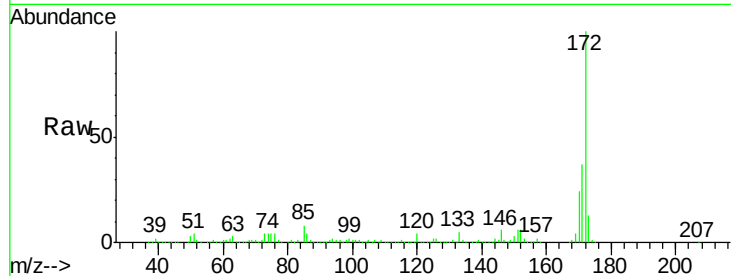




#44
2-Fluorobiphenyl
Concen: 86.404 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

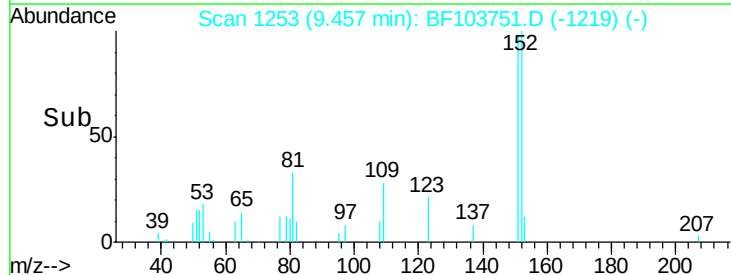
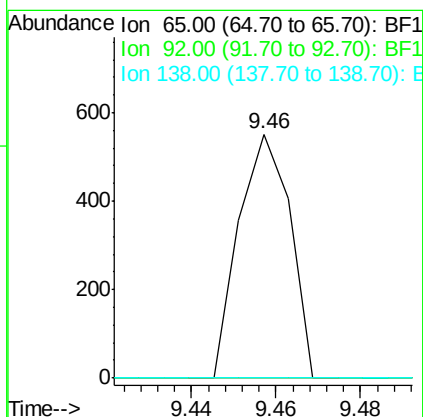
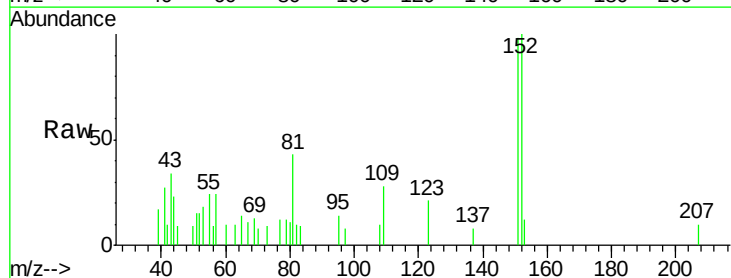
Instrument :
BNA_F
ClientSampleId :

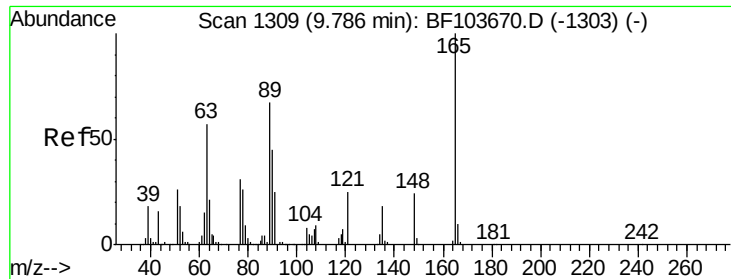
Tot Ion:172 Resp: 1705299
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.4 19.6 29.4



#47
2-Nitroaniline
Concen: 6.887 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.10 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion: 65 Resp: 463
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#

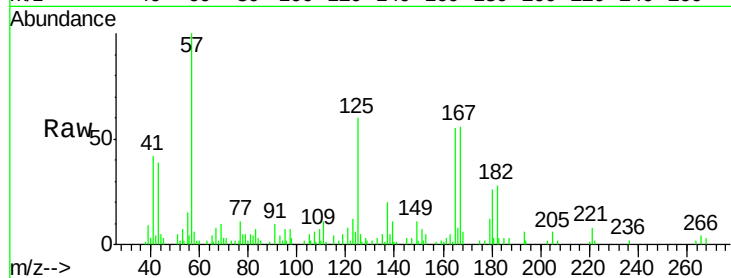




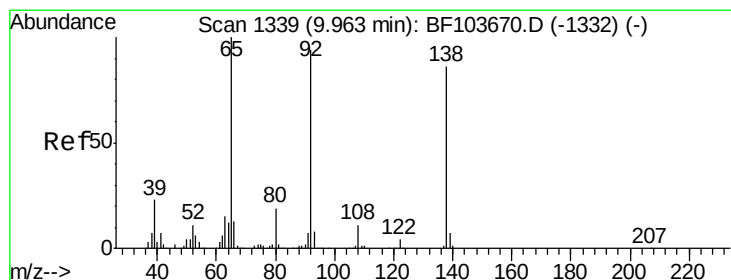
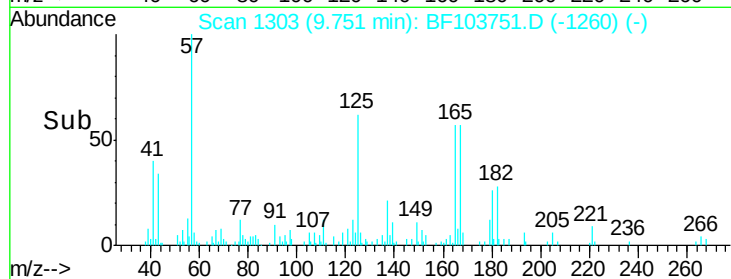
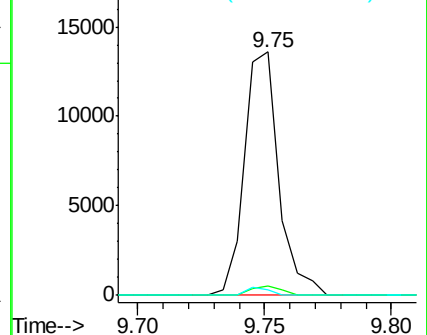
#50
2,6-Dinitrotoluene
Concen: 6.507 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.05 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 12784
Ion Ratio Lower Upper
165 100
63 4.0 44.7 67.1#
89 2.2 44.0 66.0#

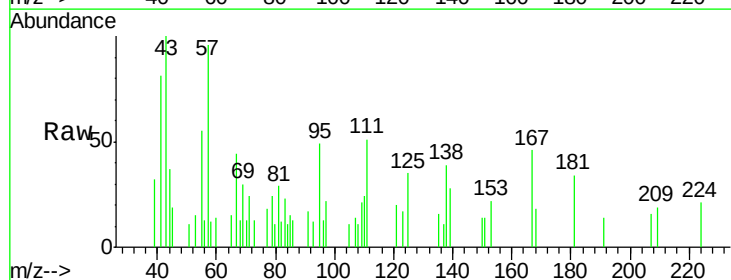


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

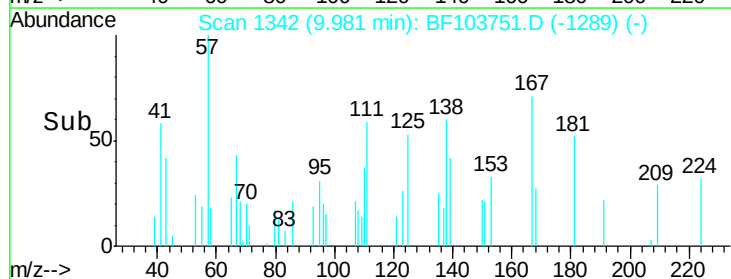
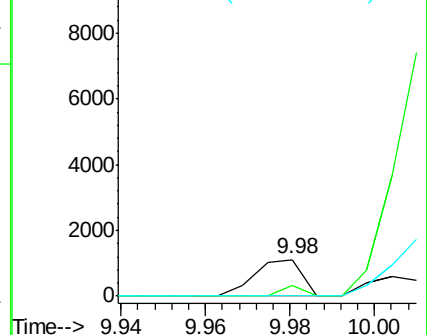


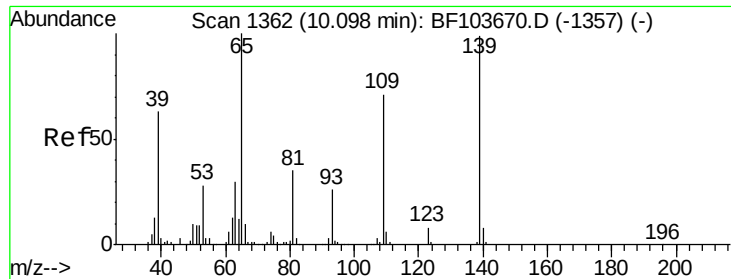
#52
3-Nitroaniline
Concen: 3.958 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion:138 Resp: 868
Ion Ratio Lower Upper
138 100
108 28.5 9.4 14.0#
92 0.0 89.4 134.2#



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

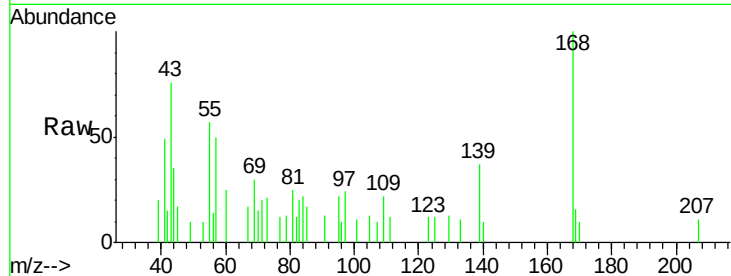




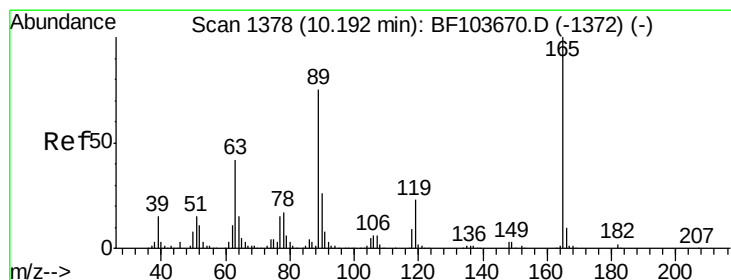
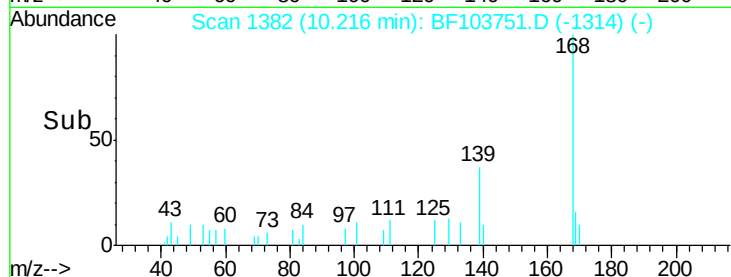
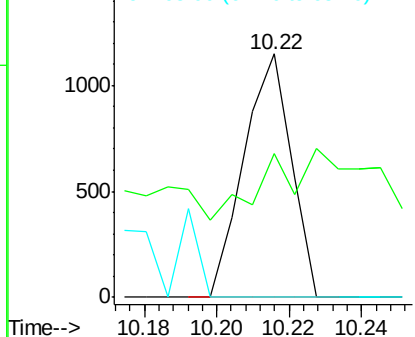
#55
4-Nitrophenol
Concen: 5.194 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.10 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 1050
Ion Ratio Lower Upper
139 100
109 59.0 48.4 88.4
65 0.0 72.6 112.6#

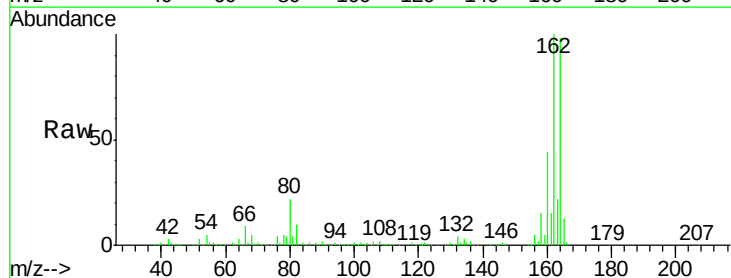


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

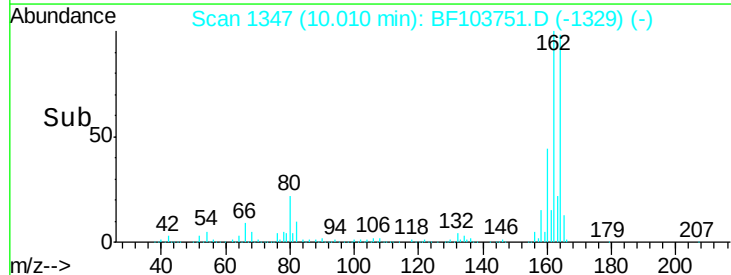
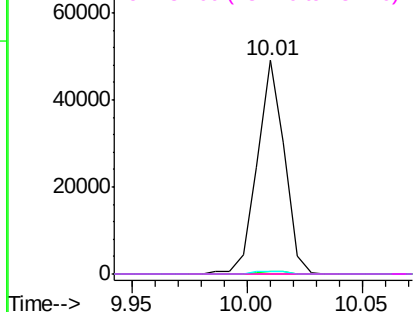


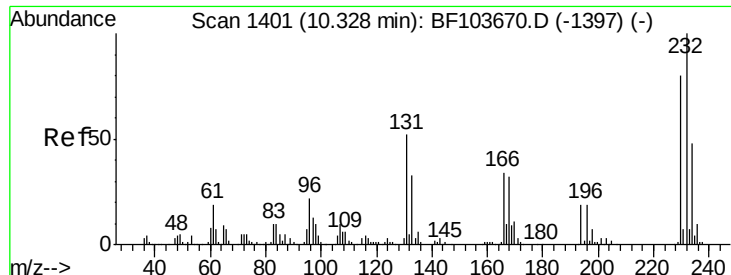
#56
2,4-Dinitrotoluene
Concen: 12.148 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion:165 Resp: 40125
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



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

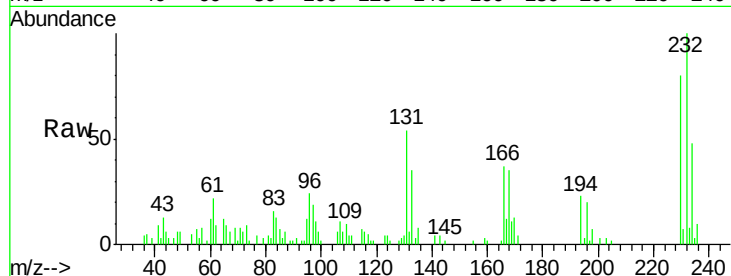




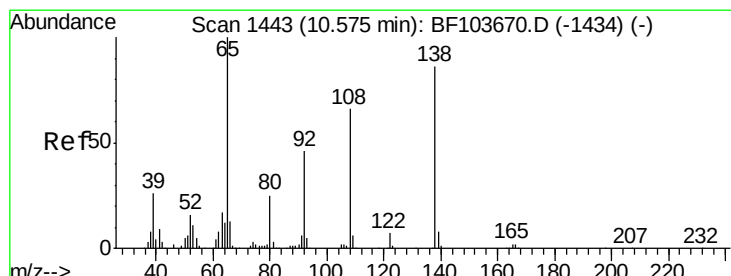
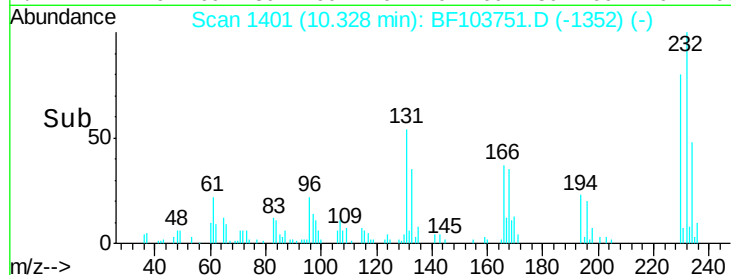
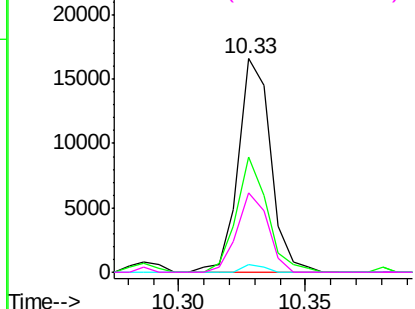
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.213 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 14760
 Ion Ratio Lower Upper
 232 100
 131 51.5 43.8 65.8
 130 2.5 2.1 3.1
 166 35.6 27.8 41.6

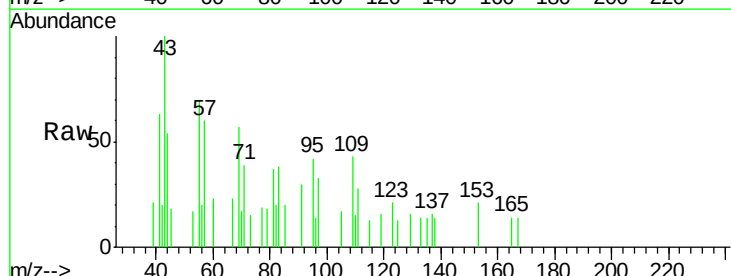


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

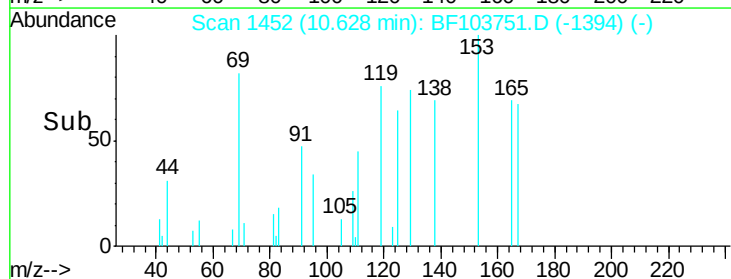
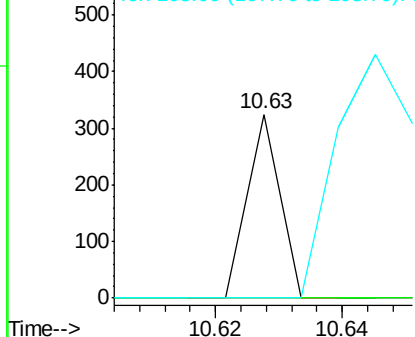


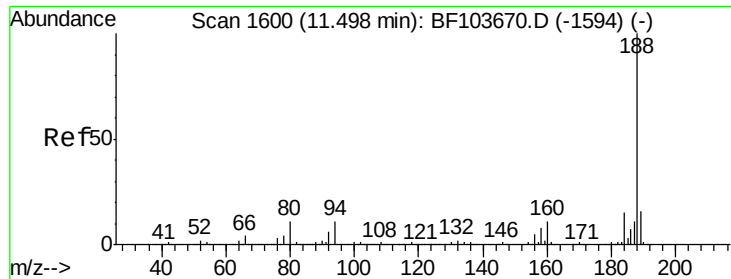
#61
 4-Nitroaniline
 Concen: 3.769 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.04 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Tgt Ion:138 Resp: 115
 Ion Ratio Lower Upper
 138 100
 92 0.0 30.2 70.2#
 108 0.0 52.5 92.5#



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

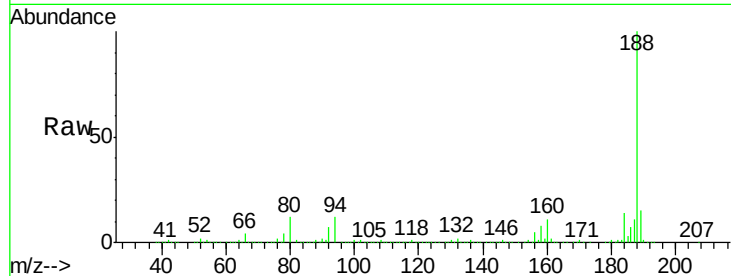




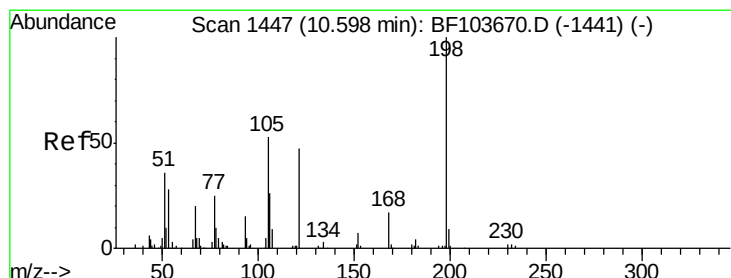
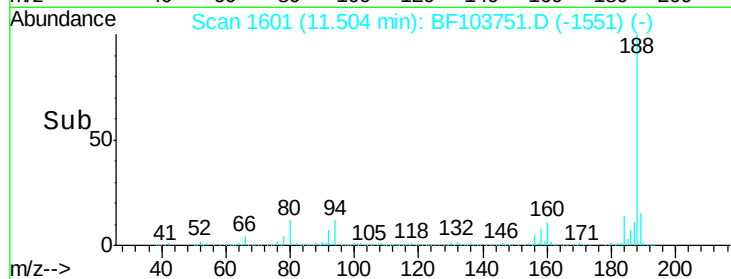
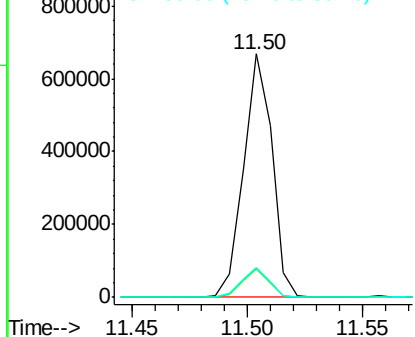
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 576169
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.5 9.2 13.8

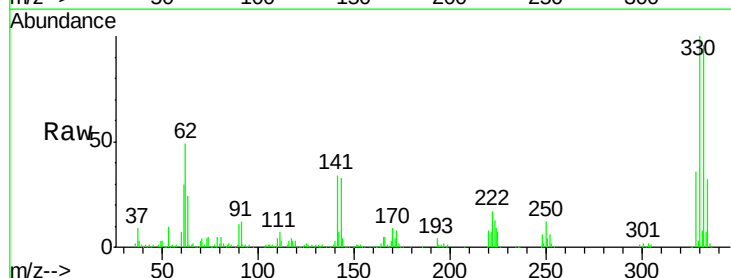


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

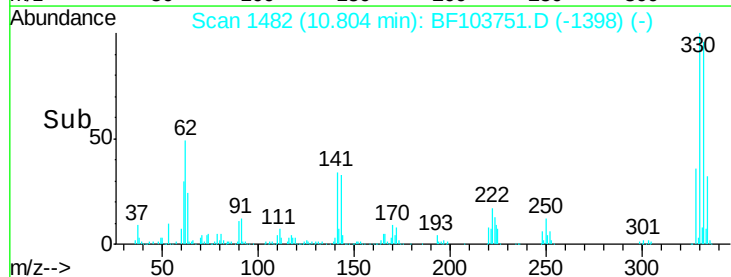
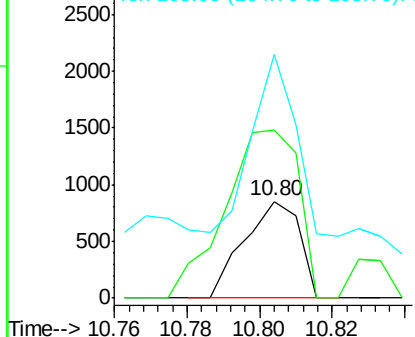


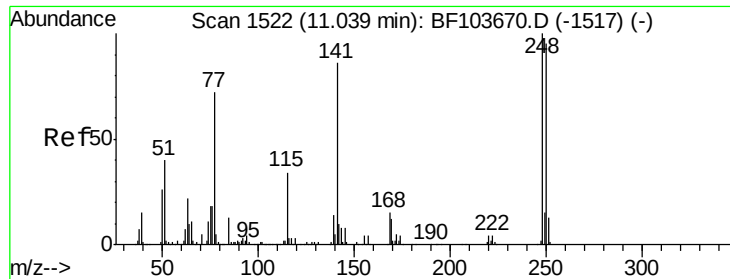
#64
4,6-Dinitro-2-methylphenol
Concen: 8.585 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion:198 Resp: 900
Ion Ratio Lower Upper
198 100
51 173.7 37.7 77.7#
105 251.7 36.3 76.3#



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

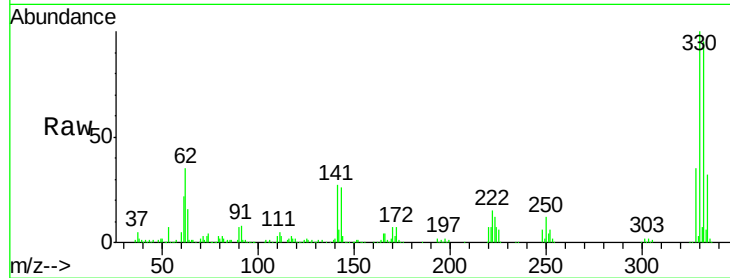




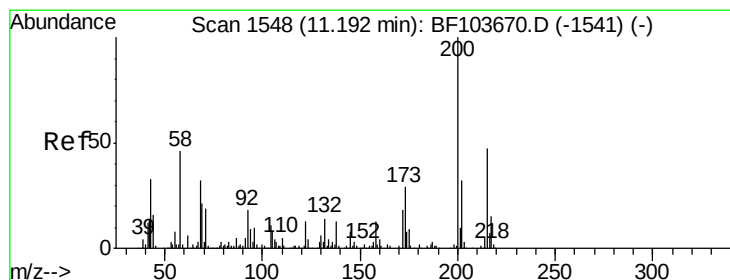
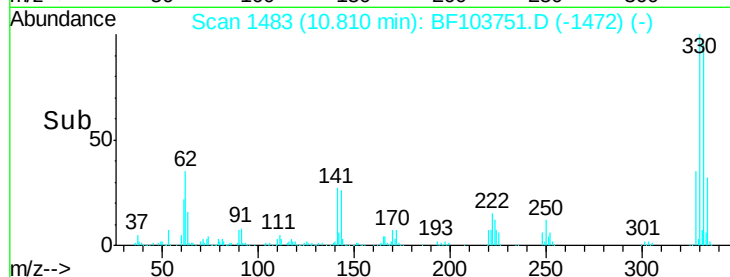
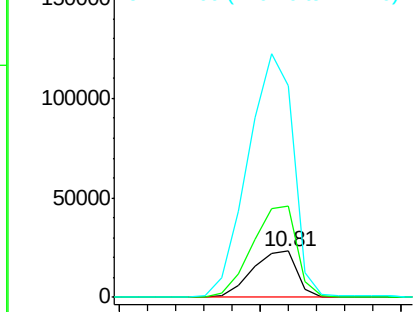
#66
4-Bromophenyl-phenylether
Concen: 4.271 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.2	76.9	115.3#
141	461.0	74.4	111.6#

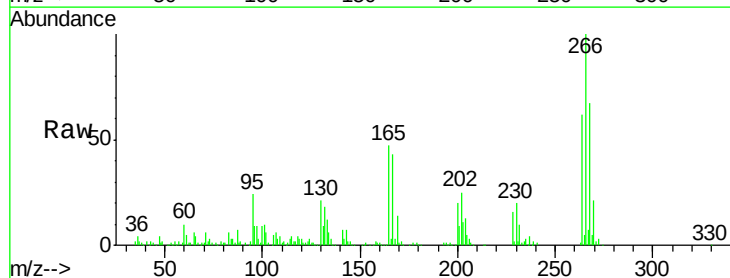


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

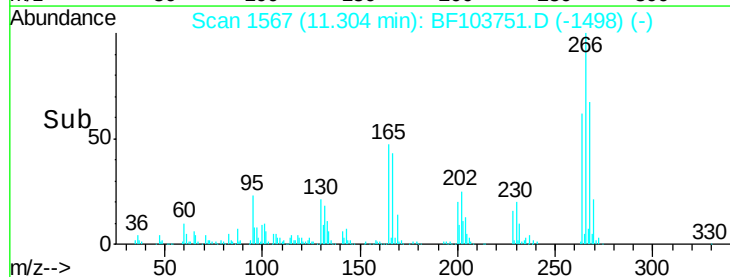
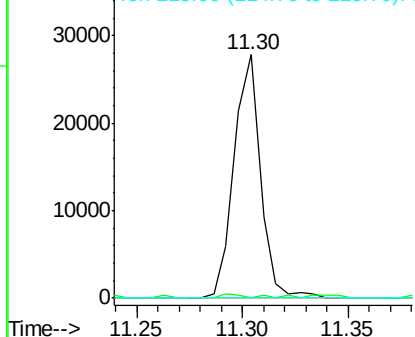


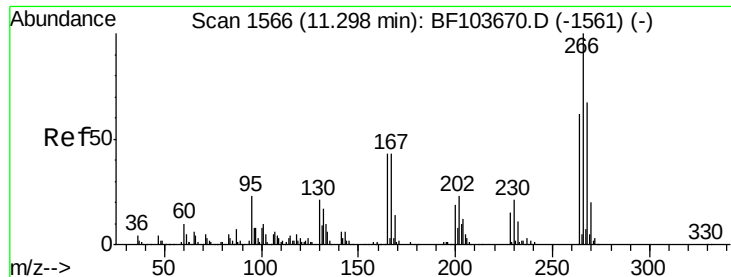
#68
Atrazine
Concen: 3.973 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.11 min
Lab File: BF103751.D
Acq: 19 Mar 2018 12:37

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	8.6	48.6#
215	0.0	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





#69

Pentachlorophenol

Concen: 31.360 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

Instrument :

BNA_F

ClientSampleId :

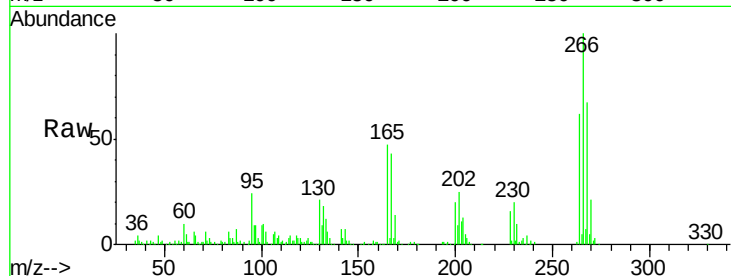
Tot Ion:266 Resp: 121731

Ion Ratio Lower Upper

266 100

268 66.5 51.1 76.7

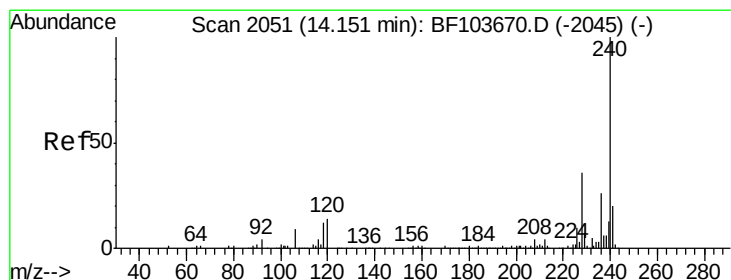
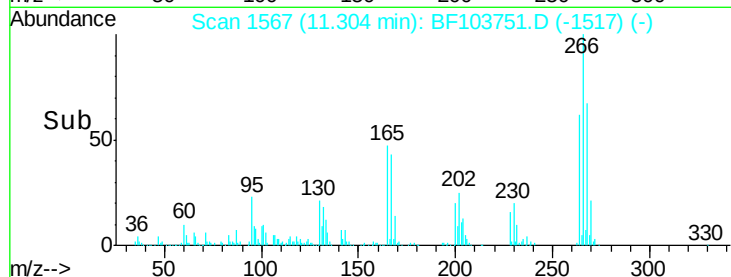
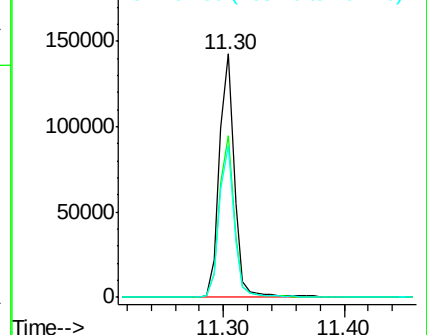
264 62.2 49.5 74.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103751.D

Acq: 19 Mar 2018 12:37

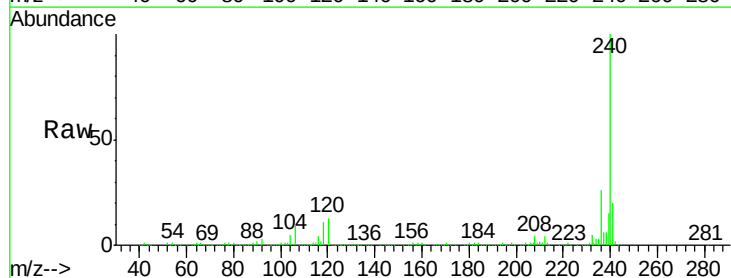
Tgt Ion:240 Resp: 537007

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

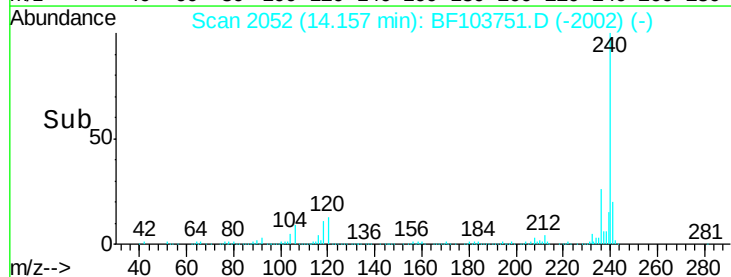
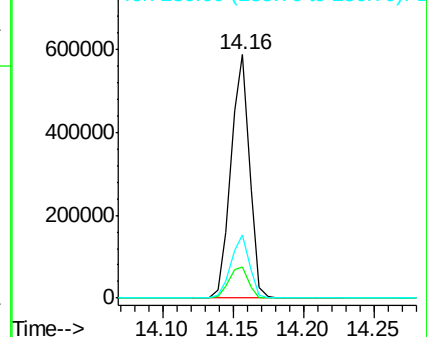
236 26.2 20.7 31.1

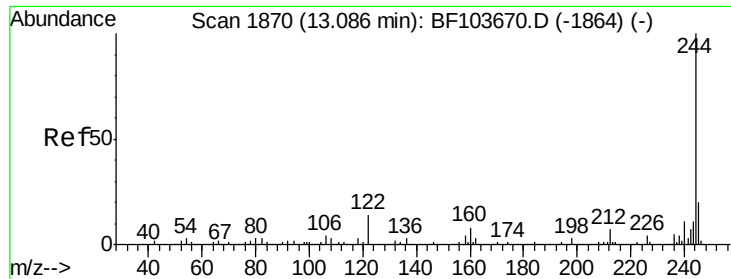


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

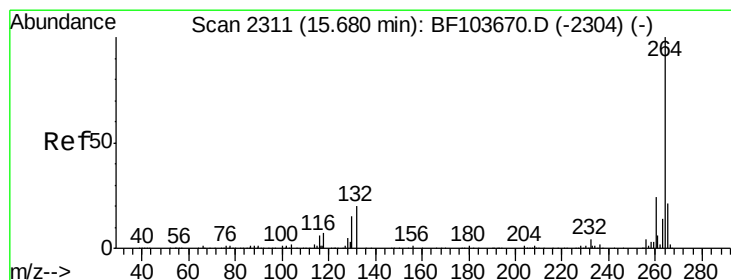
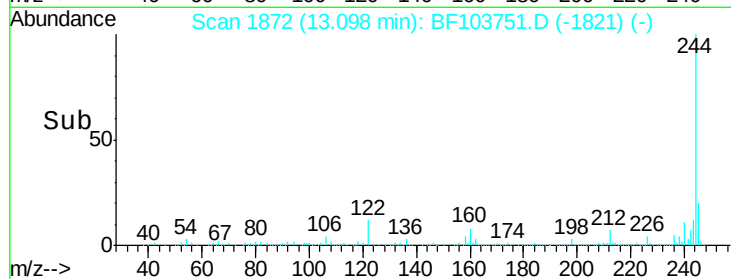
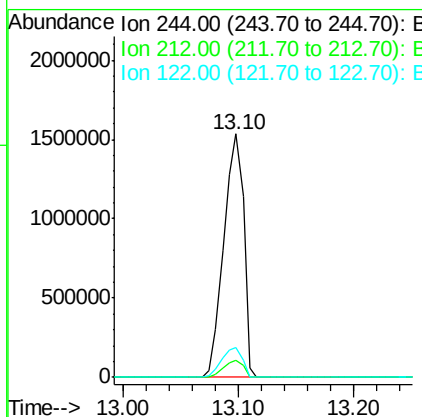
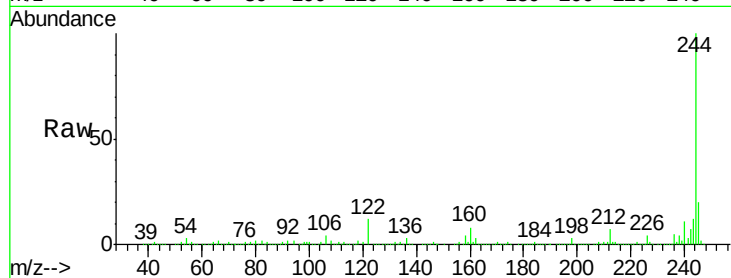




#78
 Terphenyl-d14
 Concen: 79.196 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1832231
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF103751.D
 Acq: 19 Mar 2018 12:37

Tgt Ion:264 Resp: 480609
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.1 17.5 26.3

