

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103882.D
 Acq On : 23 Mar 2018 16:06
 Operator : JU/SJ
 Sample : J1748-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 18:12:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	152417	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	591828	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	256217	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	387530	20.00	ng	0.00
75) Chrysene-d12	14.16	240	290260	20.00	ng	0.00
86) Perylene-d12	15.71	264	226205	20.00	ng	0.00

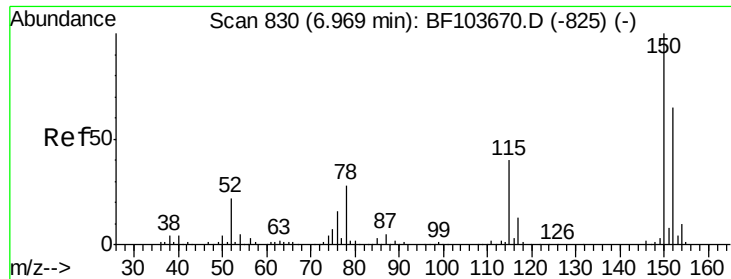
System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1041109	103.89	ng	0.01
7) Phenol-d6	6.60	99	1275920	104.07	ng	0.00
23) Nitrobenzene-d5	7.54	82	761269	89.70	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	259625	117.85	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1185800	73.83	ng	0.00
78) Terphenyl-d14	13.10	244	883596	70.66	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.75	77	21934	2.723	ng	83
10) Phenol	6.61	94	33542	2.575	ng	96
19) n-Nitroso-di-n-propylamine	7.54	70	99424	12.654	ng	# 72
25) Isophorone	7.54	82	761258	38.748	ng	# 64
47) 2-Nitroaniline	9.66	65	4295	7.644	ng	# 1
49) Dimethylphthalate	9.72	163	123342	6.310	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1314	4.302	ng	# 10
55) 4-Nitrophenol	10.12	139	138	5.006	ng	# 7
56) 2,4-Dinitrotoluene	10.02	165	32364	12.095	ng	# 24
61) 4-Nitroaniline	10.53	138	449	3.844	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.81	198	456	8.469	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	15959	4.011	ng	# 1
74) Fluoranthene	12.73	202	60091	2.751	ng	97
77) Pyrene	12.96	202	55700	2.613	ng	99
87) Benzo(b)fluoranthene	15.24	252	40939	2.865	ng	# 65
88) Benzo(k)fluoranthene	15.24	252	40939	2.980	ng	# 68

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

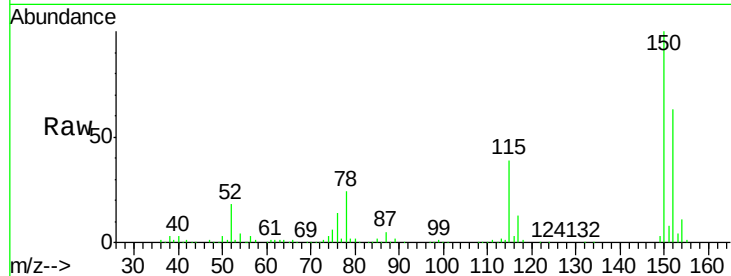


#1

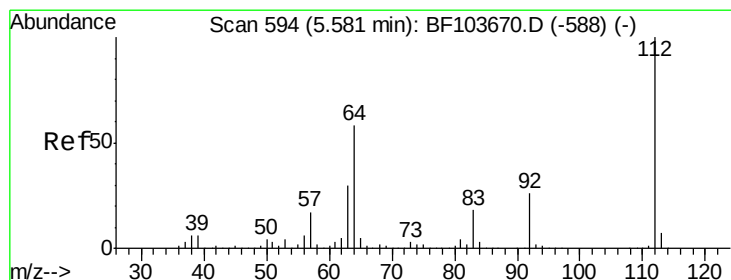
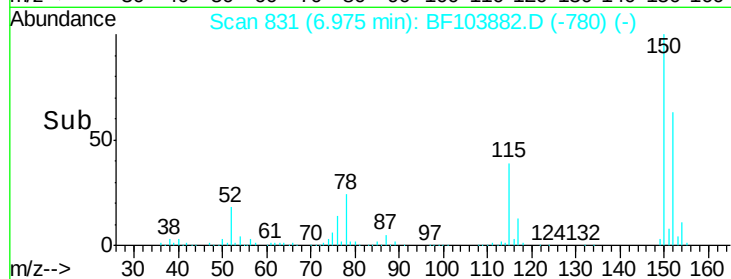
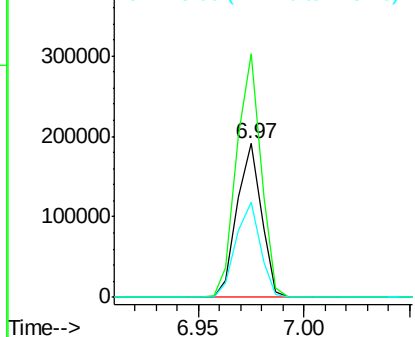
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152417
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 62.2 50.1 75.1



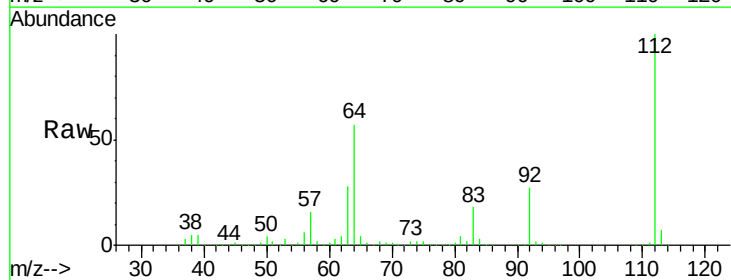
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



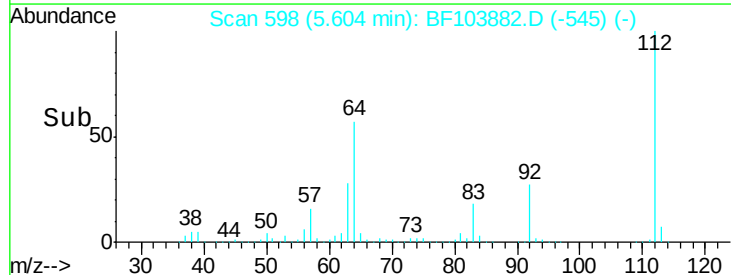
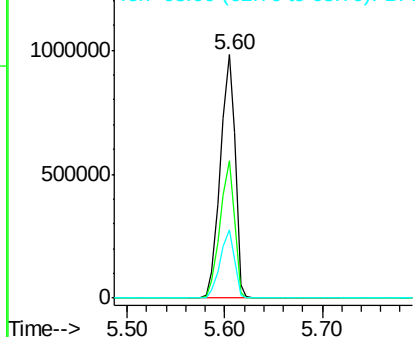
#5

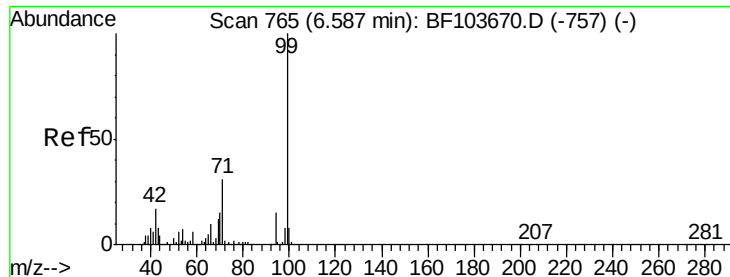
2-Fluorophenol
Concen: 103.894 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Tgt Ion:112 Resp: 1041109
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.0 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: 104.073 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampleId :

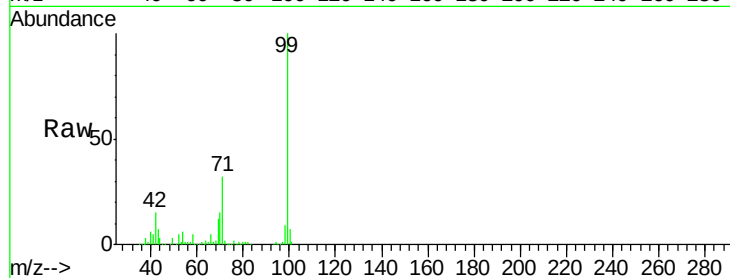
Tot Ion: 99 Resp: 1275920

Ion Ratio Lower Upper

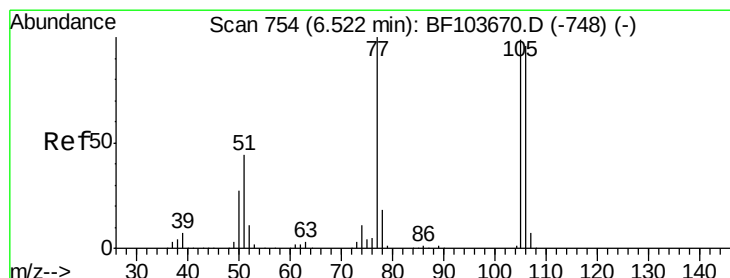
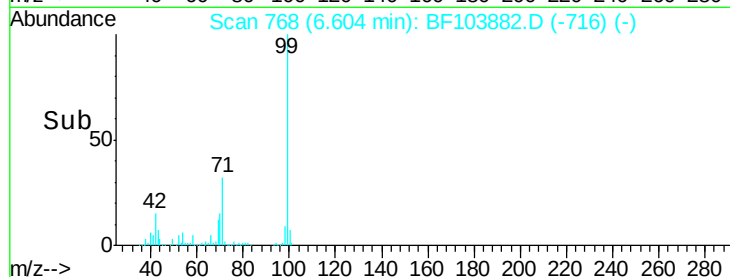
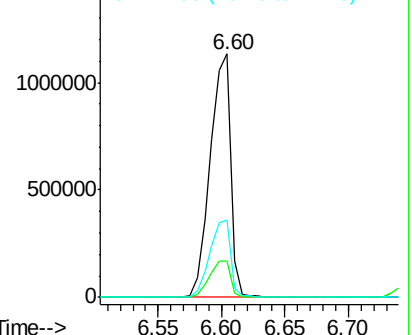
99 100

42 14.8 14.5 21.7

71 31.7 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: 2.723 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

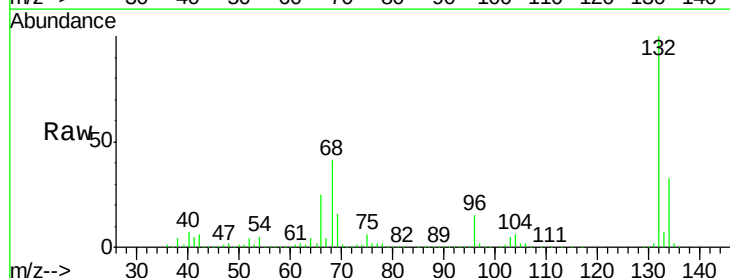
Tgt Ion: 77 Resp: 21934

Ion Ratio Lower Upper

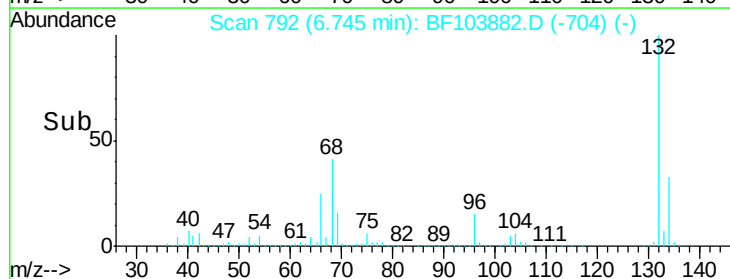
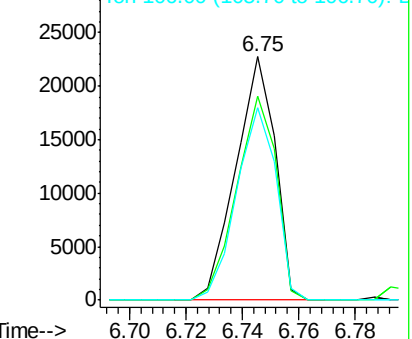
77 100

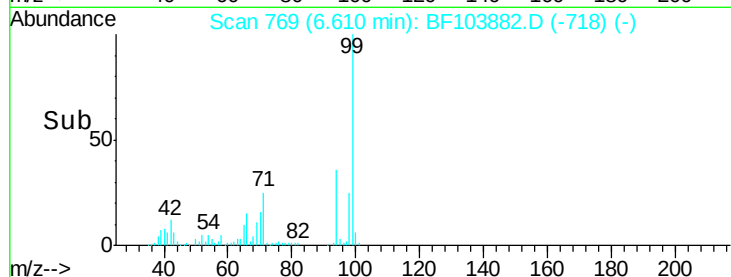
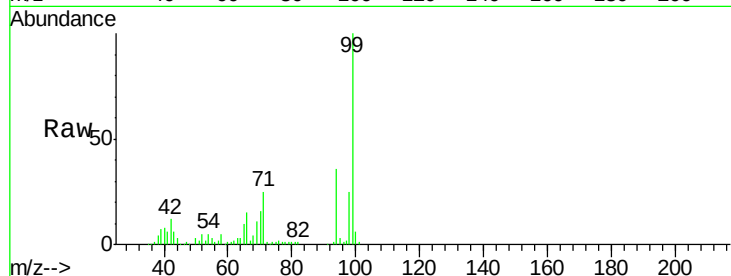
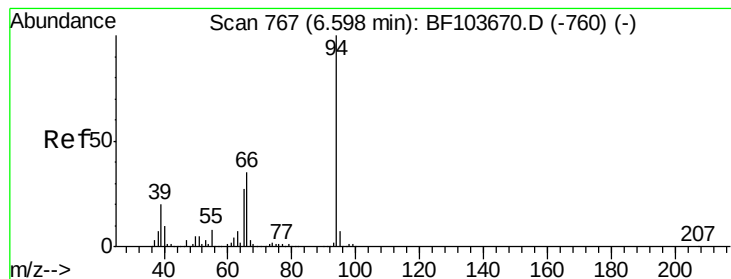
105 83.6 81.1 121.1

106 78.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.575 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampleId :

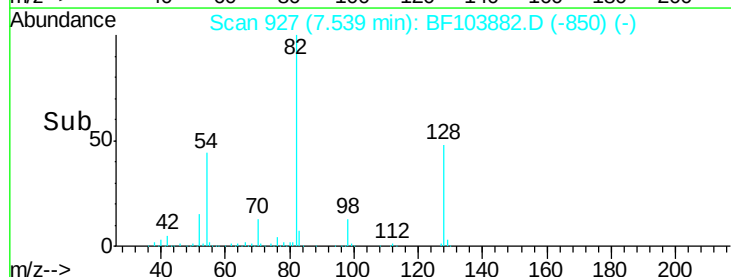
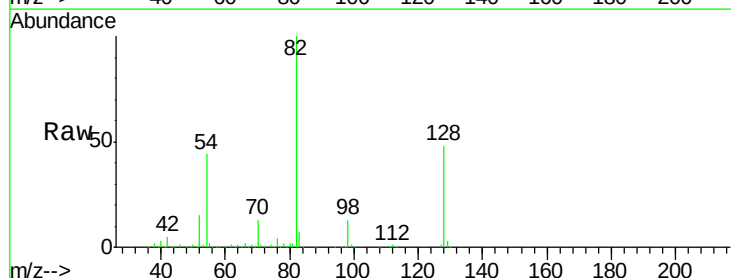
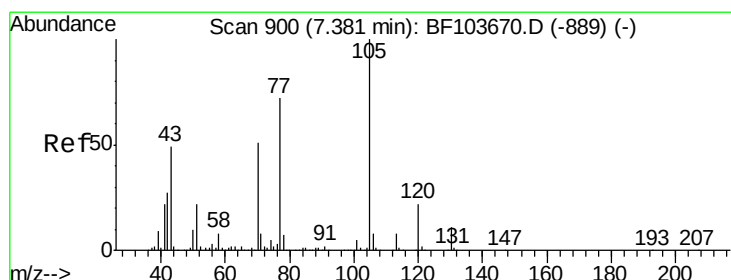
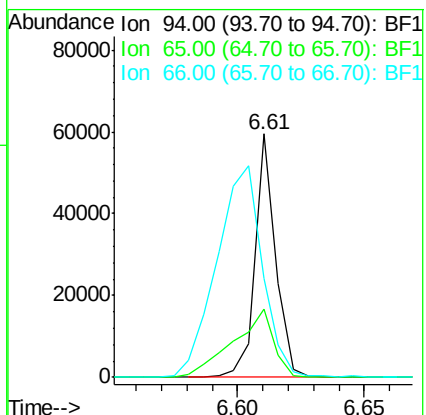
Tot Ion: 94 Resp: 33542

Ion Ratio Lower Upper

94 100

65 27.8 7.9 47.9

66 40.6 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.654 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Tgt Ion: 70 Resp: 99424

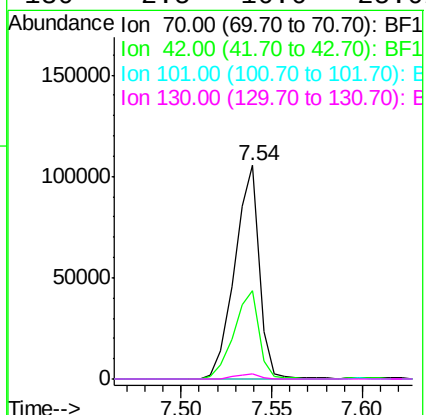
Ion Ratio Lower Upper

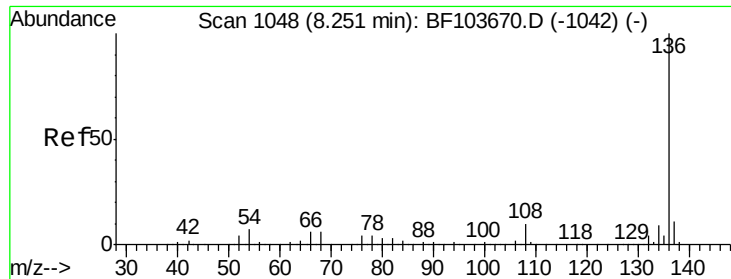
70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

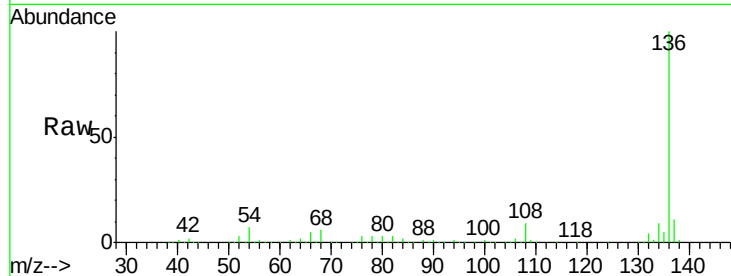




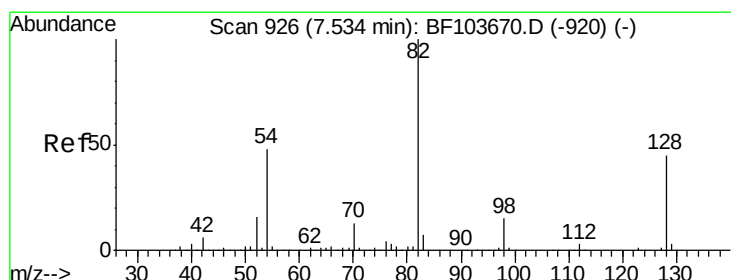
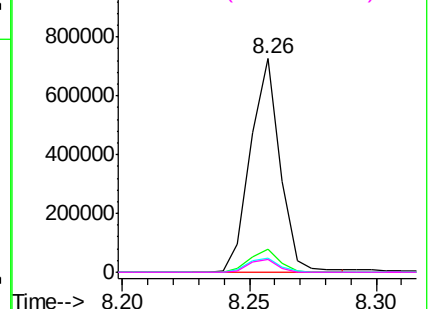
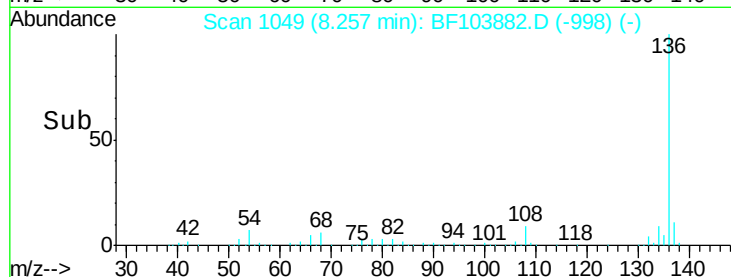
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	591828
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.8	6.6 9.8
68	6.1	5.0 7.4

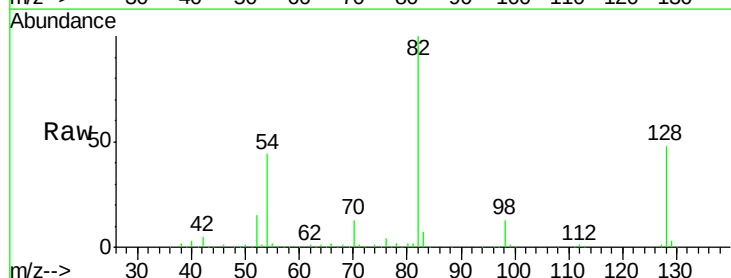


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

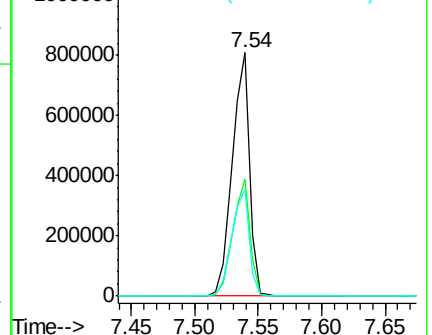
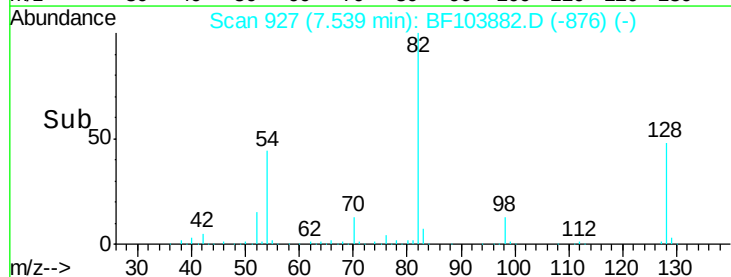


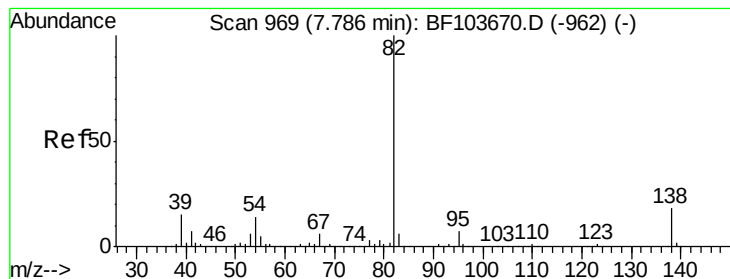
#23
Nitrobenzene-d5
Concen: 89.701 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Tgt Ion: 82	Resp:	761269
Ion Ratio	Lower	Upper
82	100	
128	47.9	36.1 54.1
54	43.8	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





#25

Isophorone

Concen: 38.748 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampleId :

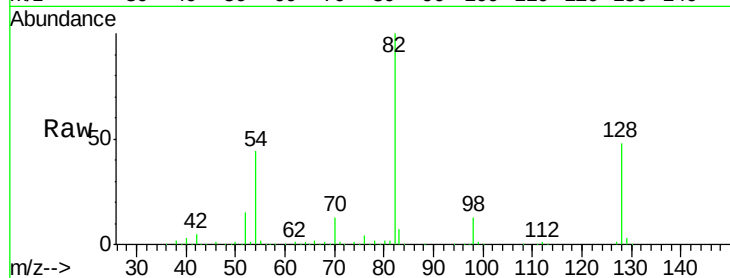
Tot Ion: 82 Resp: 761258

Ion Ratio Lower Upper

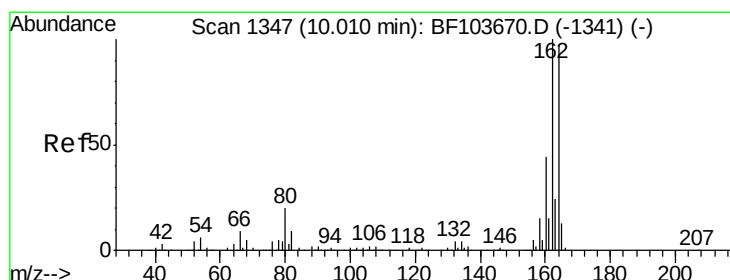
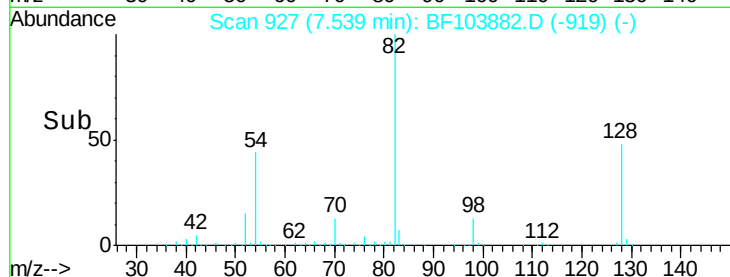
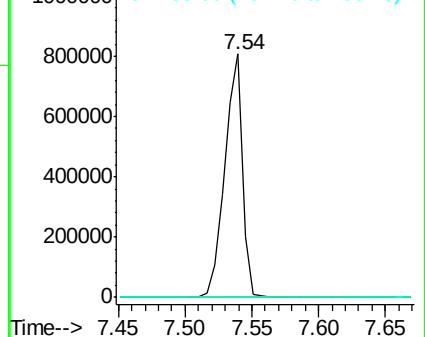
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

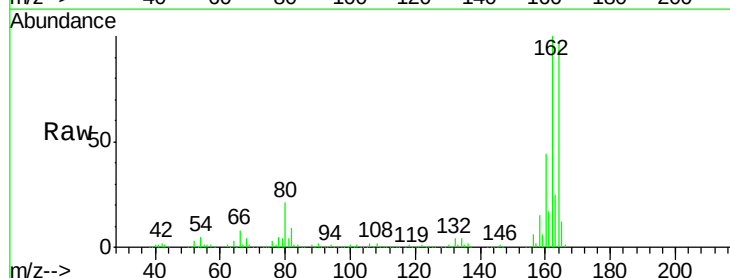
Tgt Ion: 164 Resp: 256217

Ion Ratio Lower Upper

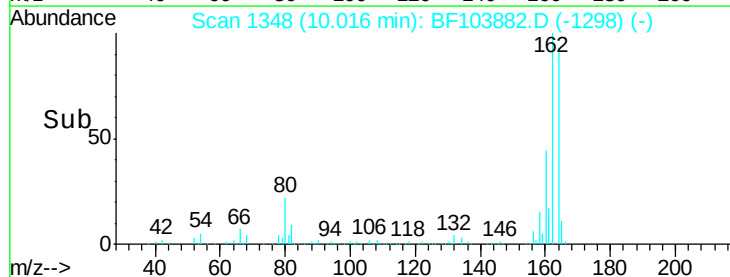
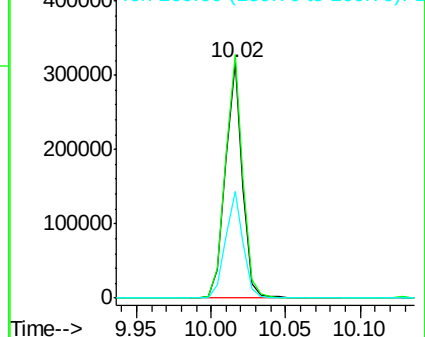
164 100

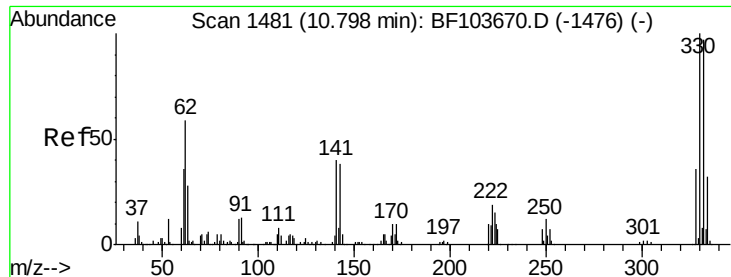
162 103.4 86.1 129.1

160 45.1 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

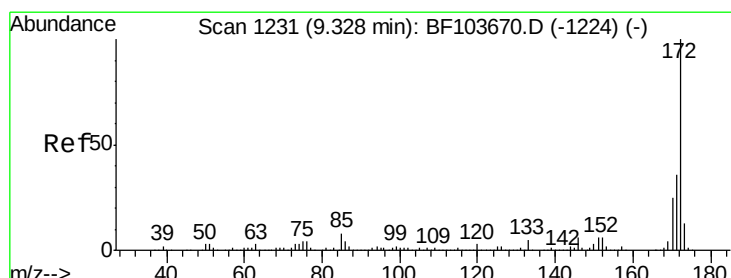
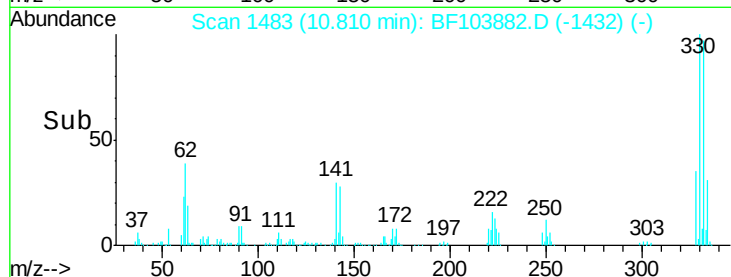
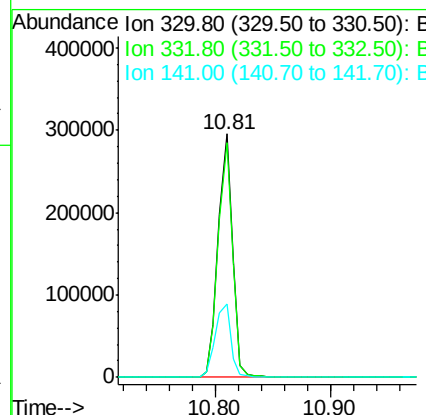
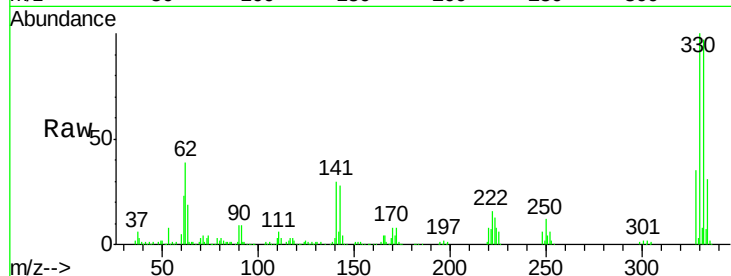




#41
 2,4,6-Tribromophenol
 Concen: 117.852 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103882.D
 Acq: 23 Mar 2018 16:06

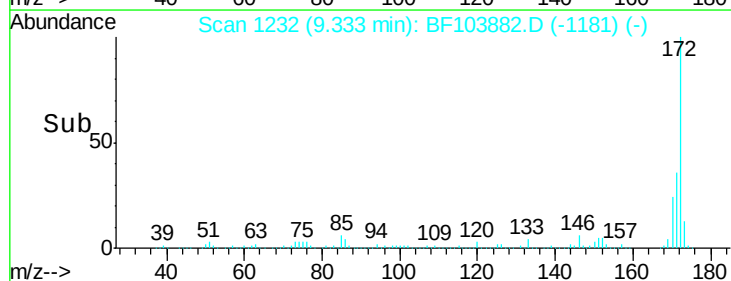
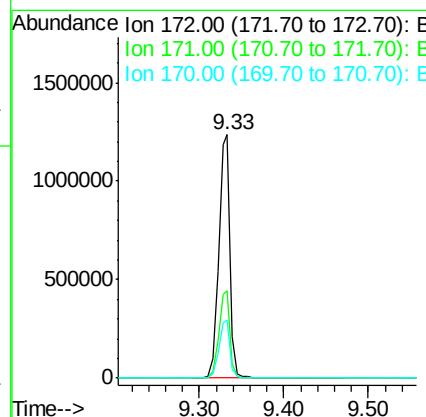
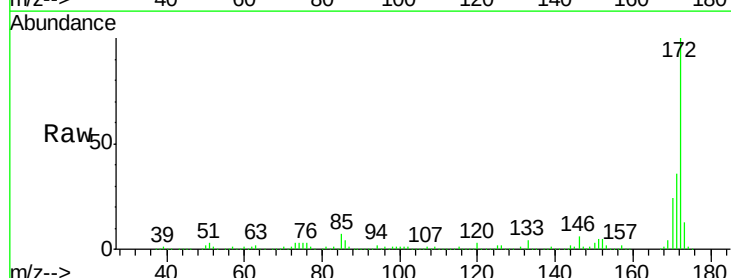
Instrument :
 BNA_F
 ClientSampleId :

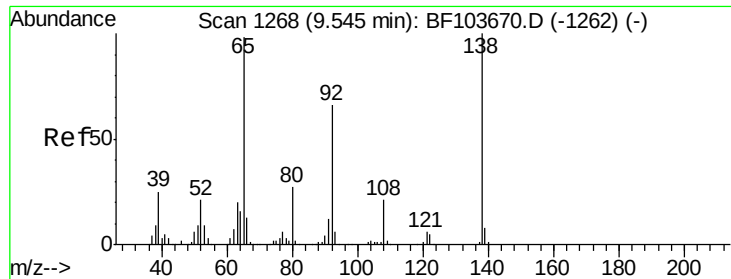
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 73.825 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103882.D
 Acq: 23 Mar 2018 16:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4





#47

2-Nitroaniline

Concen: 7.644 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.11 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampled :

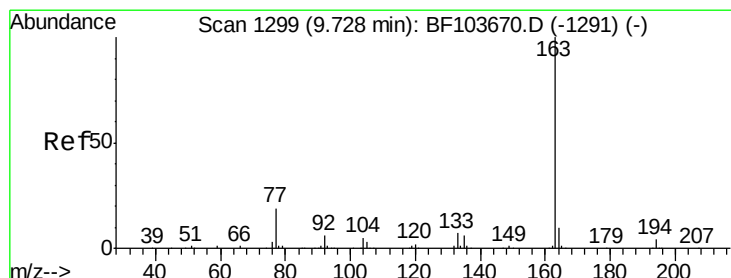
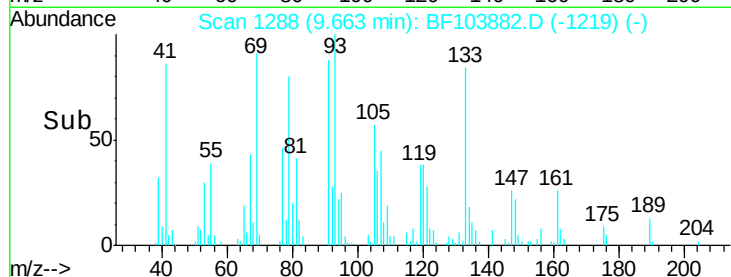
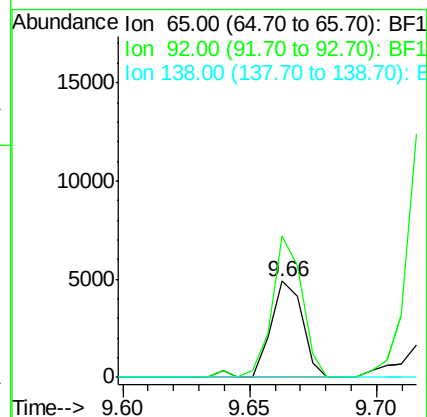
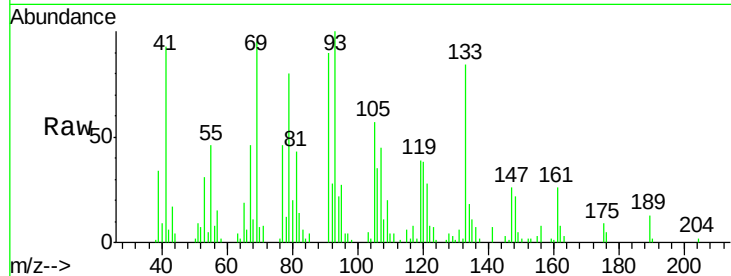
Tot Ion: 65 Resp: 4295

Ion Ratio Lower Upper

65 100

92 146.7 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 6.310 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

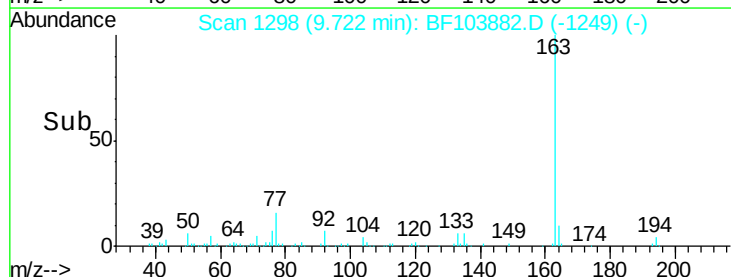
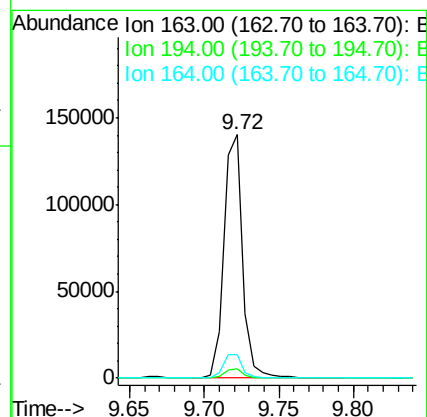
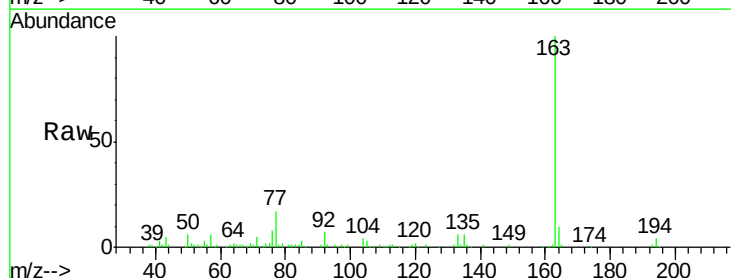
Tgt Ion: 163 Resp: 123342

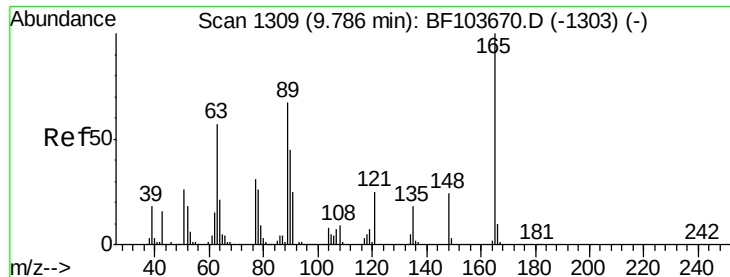
Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 9.9 8.2 12.2

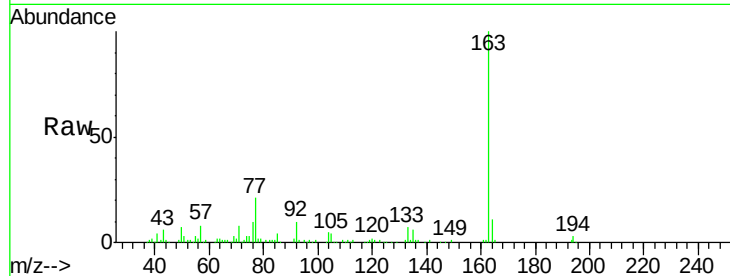




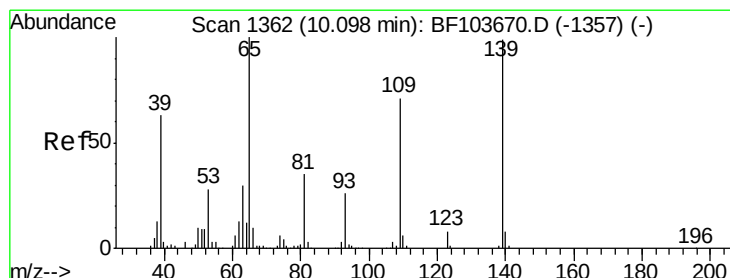
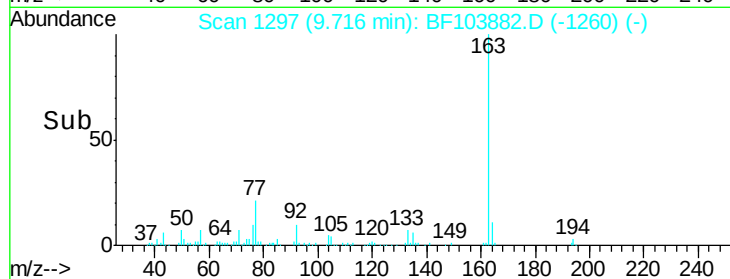
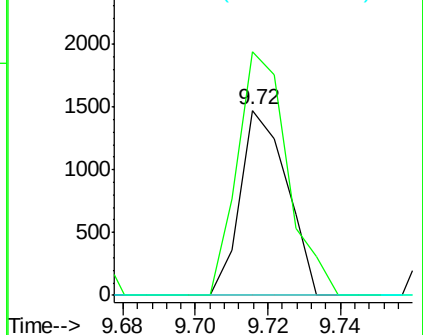
#50
2,6-Dinitrotoluene
Concen: 4.302 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 1314
Ion Ratio Lower Upper
165 100
63 131.7 44.7 67.1#
89 0.0 44.0 66.0#

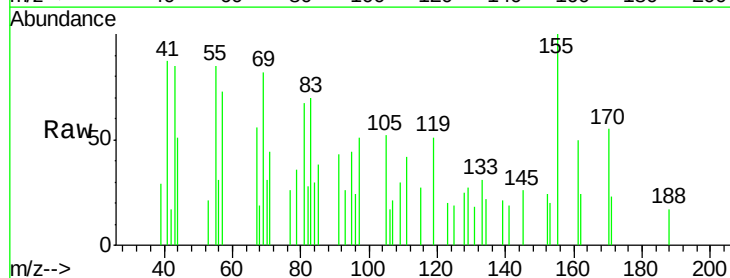


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

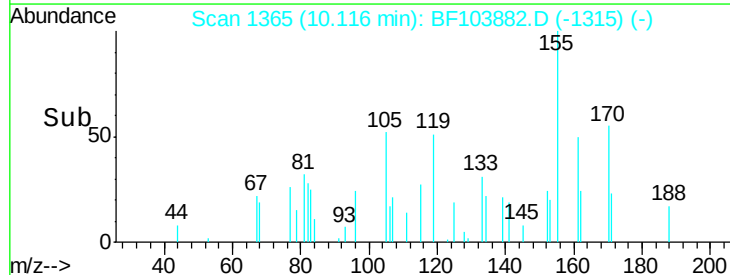
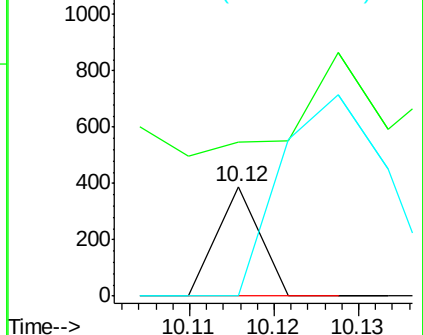


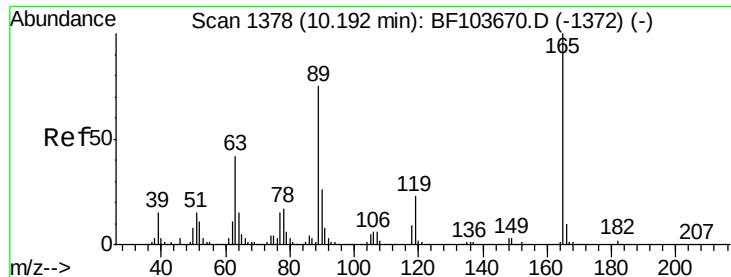
#55
4-Nitrophenol
Concen: 5.006 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Tgt Ion:139 Resp: 138
Ion Ratio Lower Upper
139 100
109 140.0 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

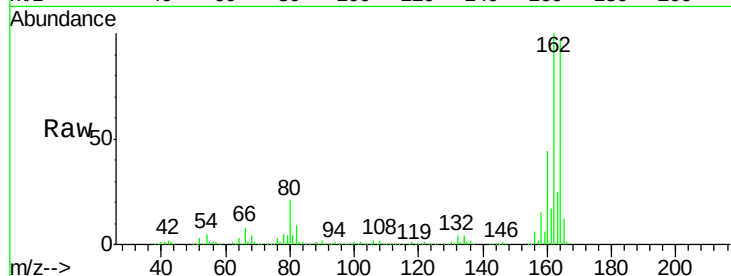




#56
2,4-Dinitrotoluene
Concen: 12.095 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

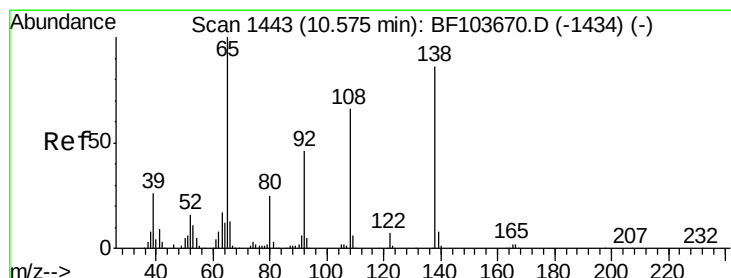
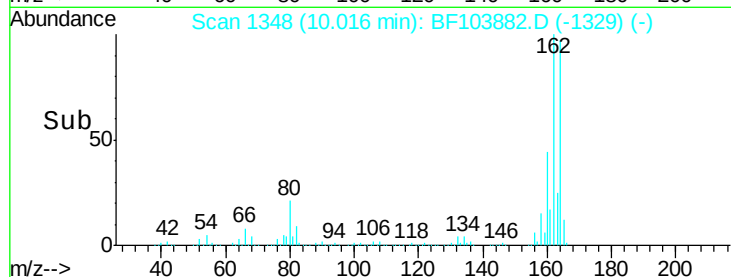
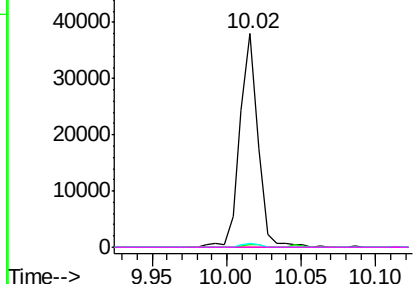


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

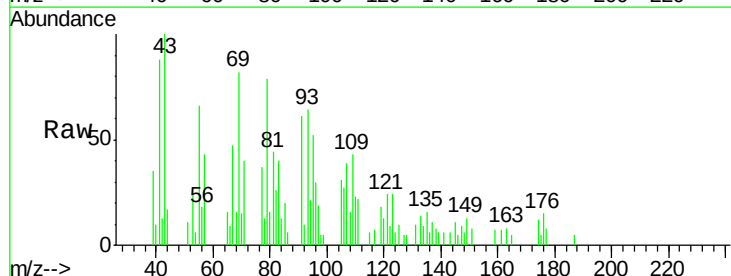
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#61
4-Nitroaniline
Concen: 3.844 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.06 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

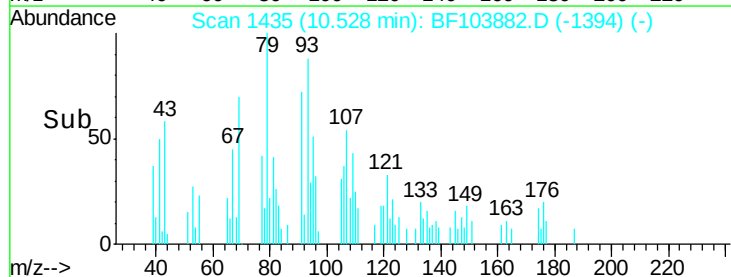
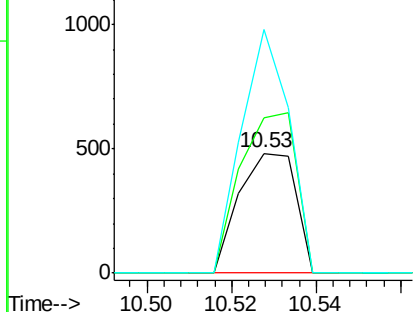
Tgt Ion	Ratio	Lower	Upper
138	100		
92	129.3	30.2	70.2#
108	203.1	52.5	92.5#

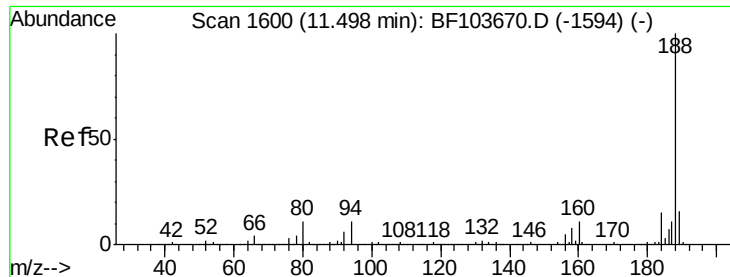


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

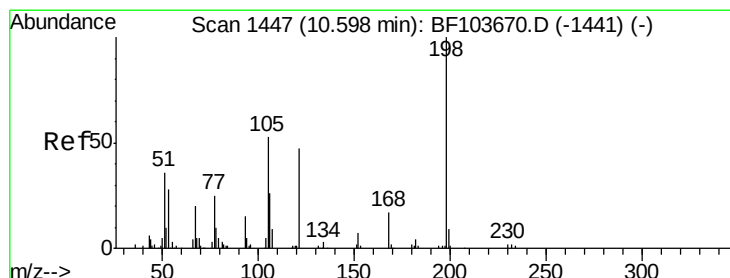
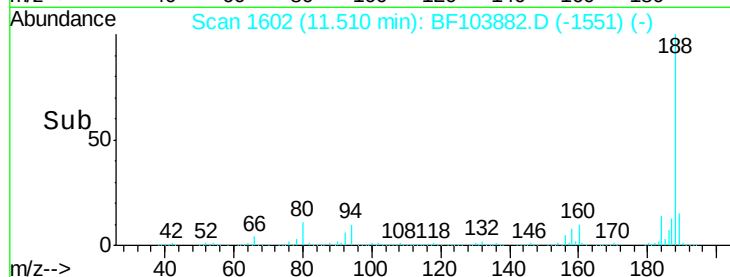
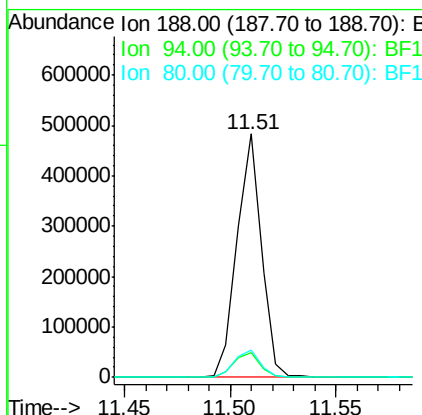
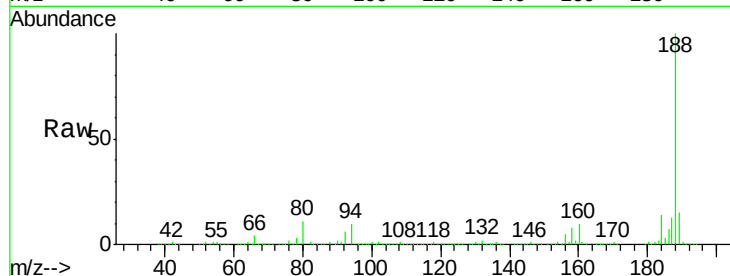




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

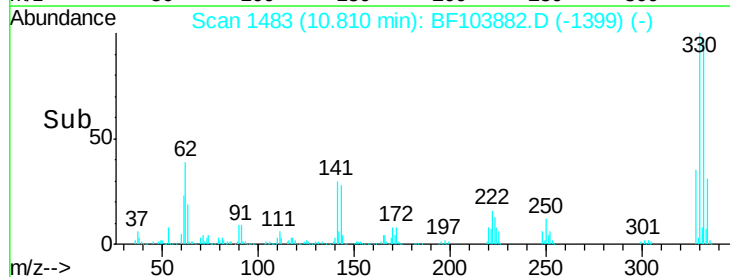
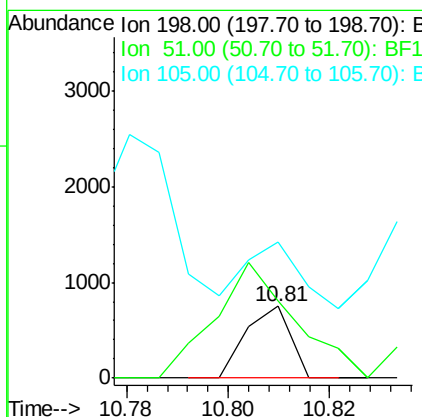
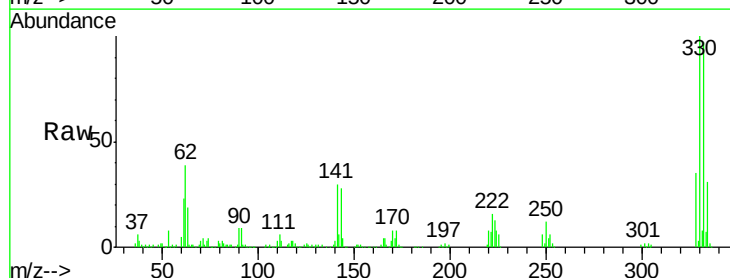
Instrument :
BNA_F
ClientSampleId :

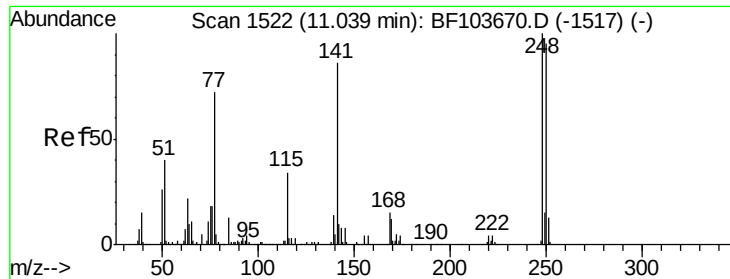
Tot Ion:188 Resp: 387530
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.469 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.19 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Tgt Ion:198 Resp: 456
Ion Ratio Lower Upper
198 100
51 106.8 37.7 77.7#
105 188.5 36.3 76.3#

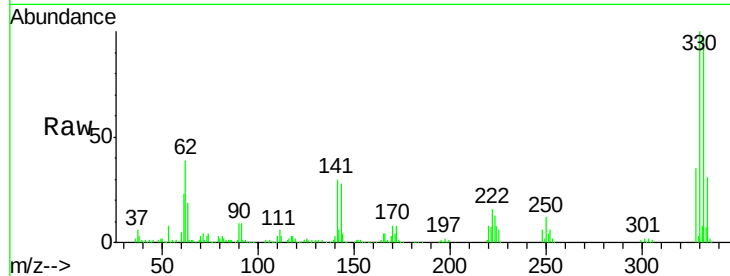




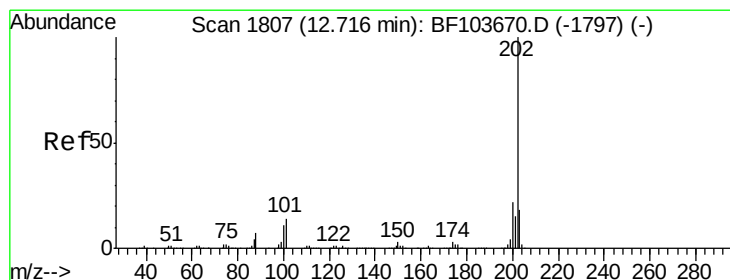
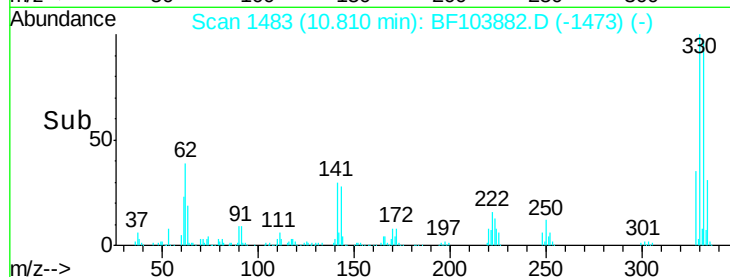
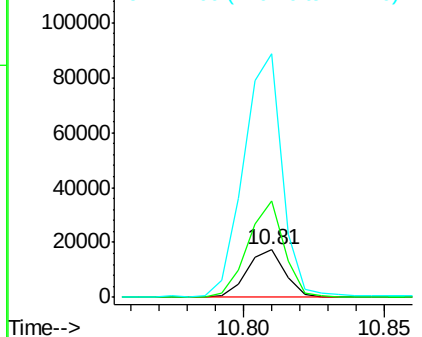
#66
 4-Bromophenyl-phenylether
 Concen: 4.011 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103882.D
 Acq: 23 Mar 2018 16:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 15959
 Ion Ratio Lower Upper
 248 100
 250 203.4 76.9 115.3#
 141 516.0 74.4 111.6#

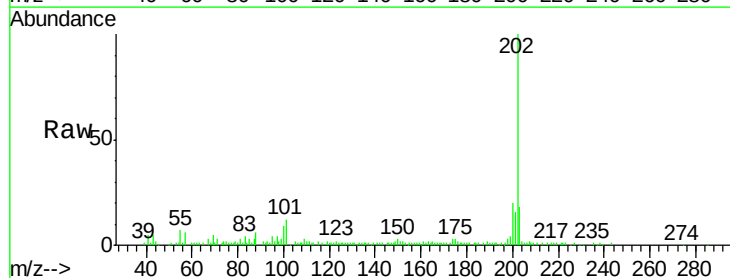


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

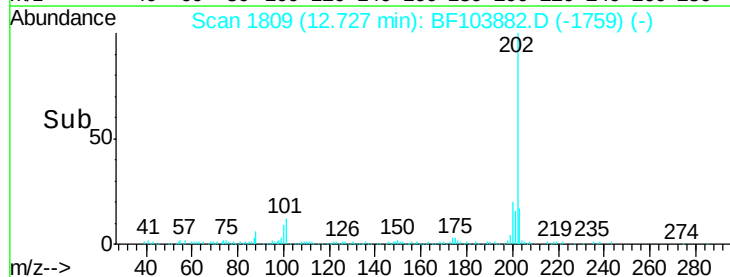
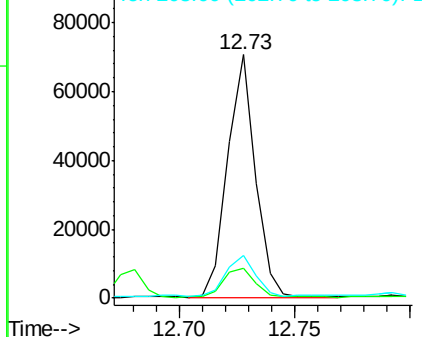


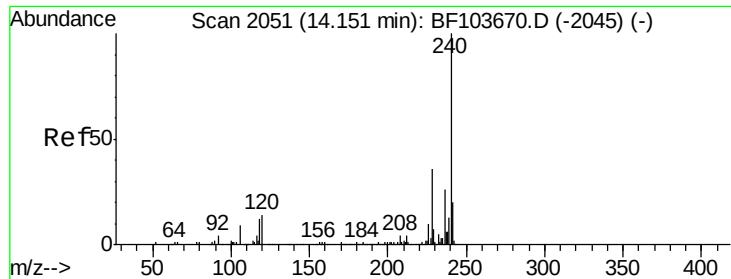
#74
 Fluoranthene
 Concen: 2.751 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF103882.D
 Acq: 23 Mar 2018 16:06

Tgt Ion:202 Resp: 60091
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.6 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampleId :

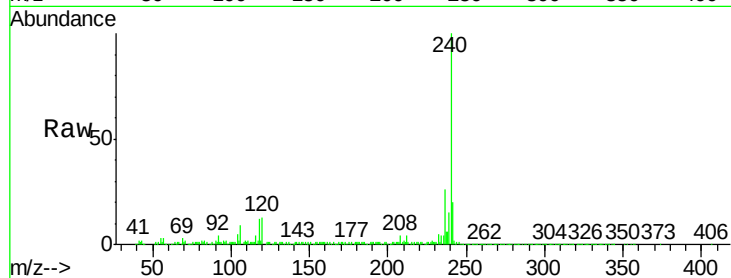
Tot Ion:240 Resp: 290260

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

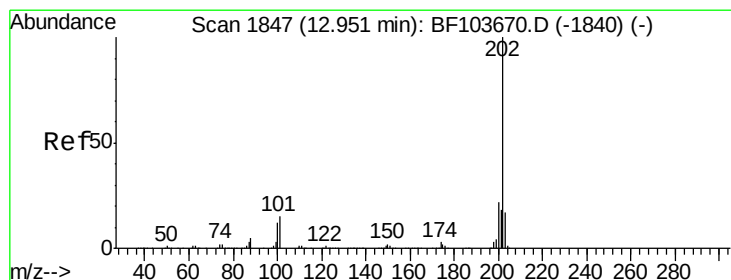
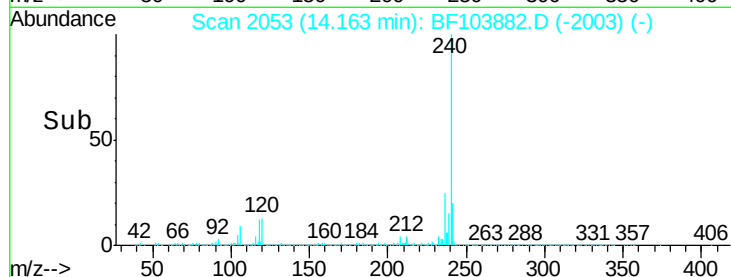
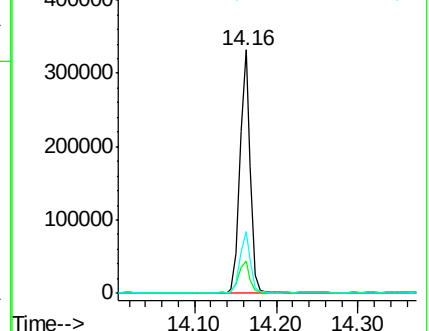
236 25.6 20.7 31.1



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



#77

Pyrene

Concen: 2.613 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

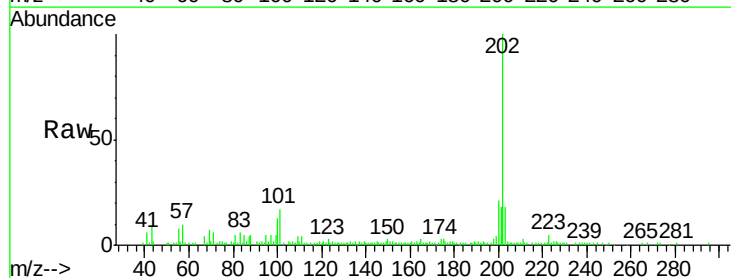
Tgt Ion:202 Resp: 55700

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

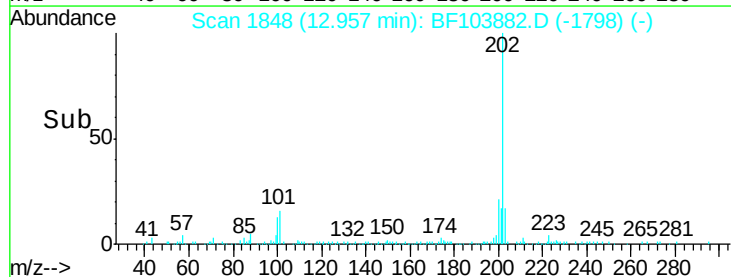
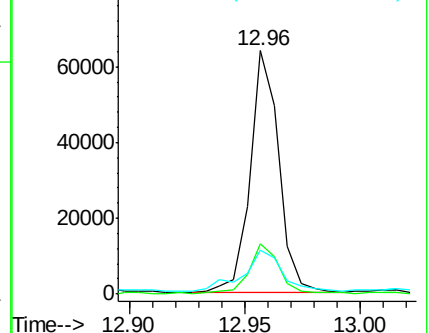
203 18.1 14.3 21.5

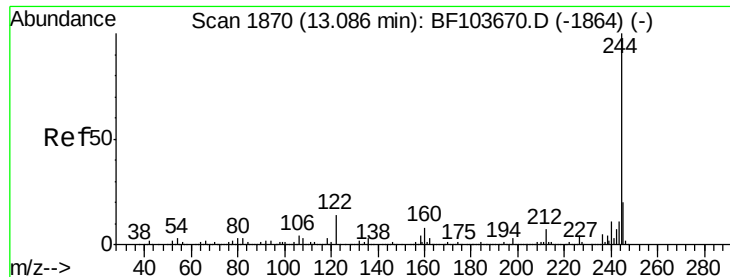


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.659 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

Instrument :

BNA_F

ClientSampleId :

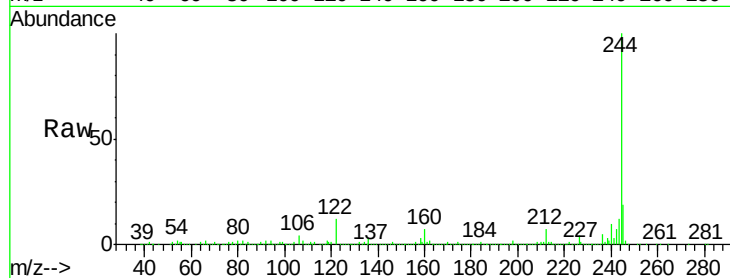
Tot Ion:244 Resp: 883596

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

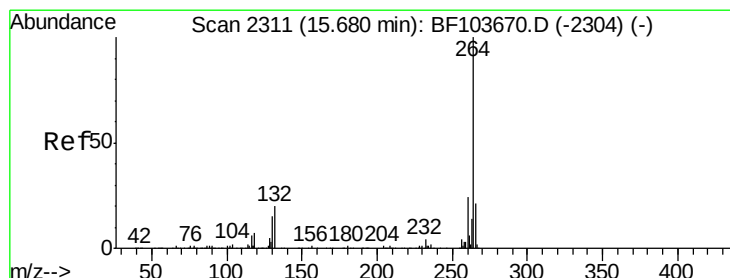
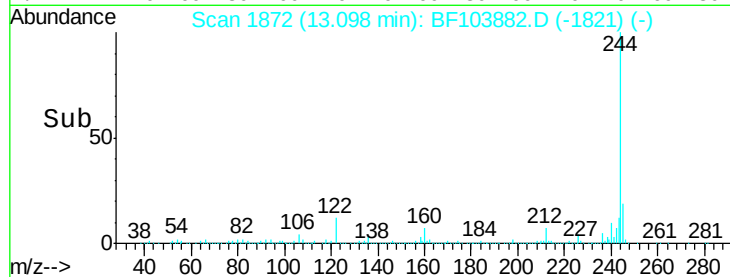
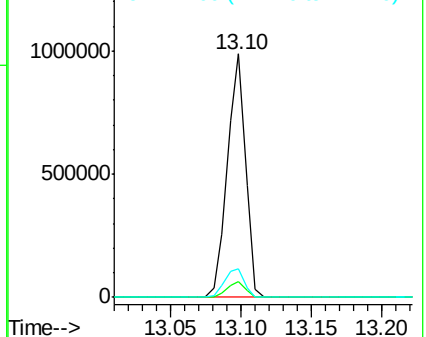
122 12.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BF103882.D

Acq: 23 Mar 2018 16:06

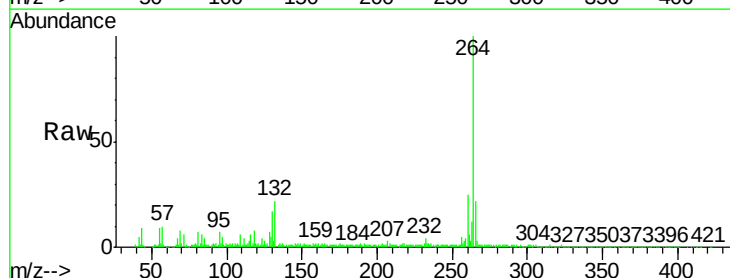
Tgt Ion:264 Resp: 226205

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

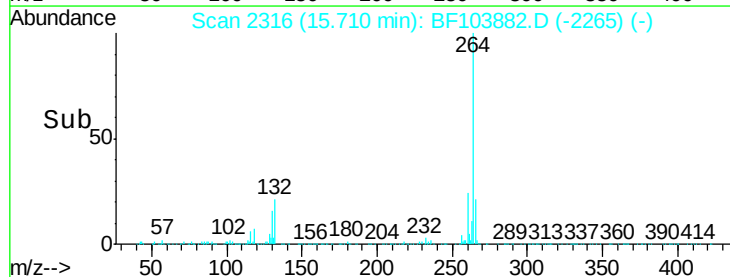
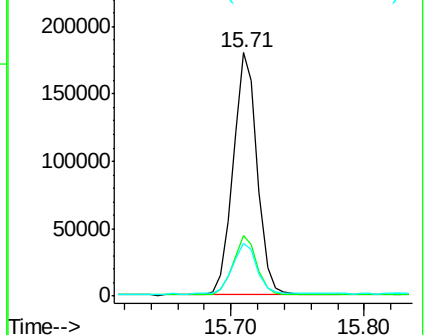
265 22.0 17.5 26.3

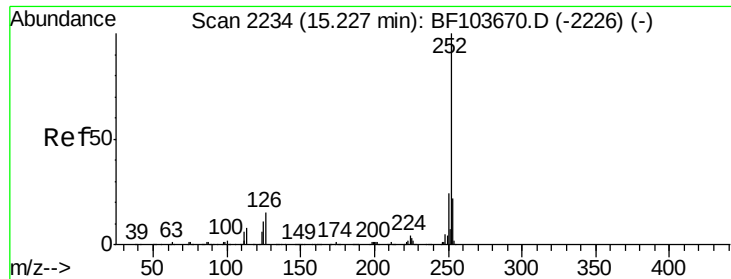


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

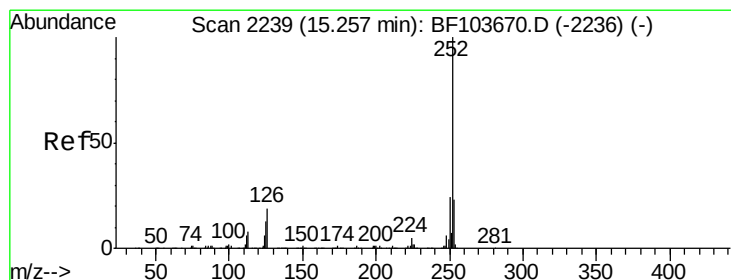
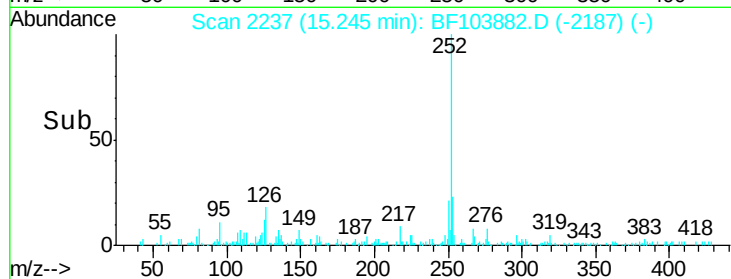
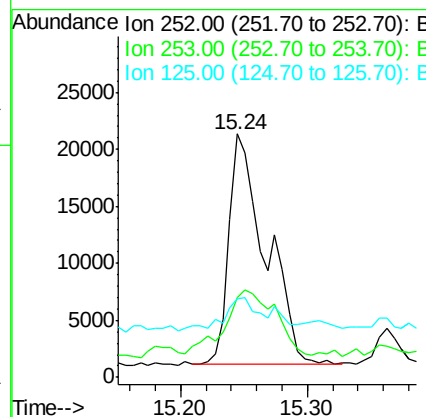
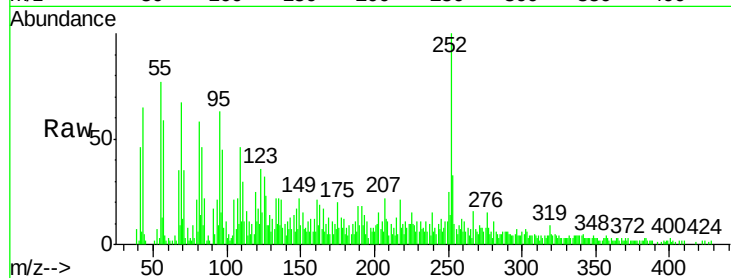




#87
Benzo(b)fluoranthene
Concen: 2.865 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 40939
Ion Ratio Lower Upper
252 100
253 32.6 17.0 25.6#
125 32.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.980 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF103882.D
Acq: 23 Mar 2018 16:06

Tgt Ion:252 Resp: 40939
Ion Ratio Lower Upper
252 100
253 32.6 17.9 26.9#
125 32.5 10.2 15.2#

