

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103811.D
 Acq On : 20 Mar 2018 19:17
 Operator : JU/SJ
 Sample : J1975-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:57:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149457	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	579171	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	275211	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	409958	20.00	ng	0.00
75) Chrysene-d12	14.16	240	287674	20.00	ng	0.00
86) Perylene-d12	15.70	264	266198	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1203443	122.47	ng	0.02
7) Phenol-d6	6.60	99	1362207	113.31	ng	0.01
23) Nitrobenzene-d5	7.54	82	904644	108.92	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	274015	115.80	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1358049	78.71	ng	0.00
78) Terphenyl-d14	13.09	244	987808	79.70	ng	0.00

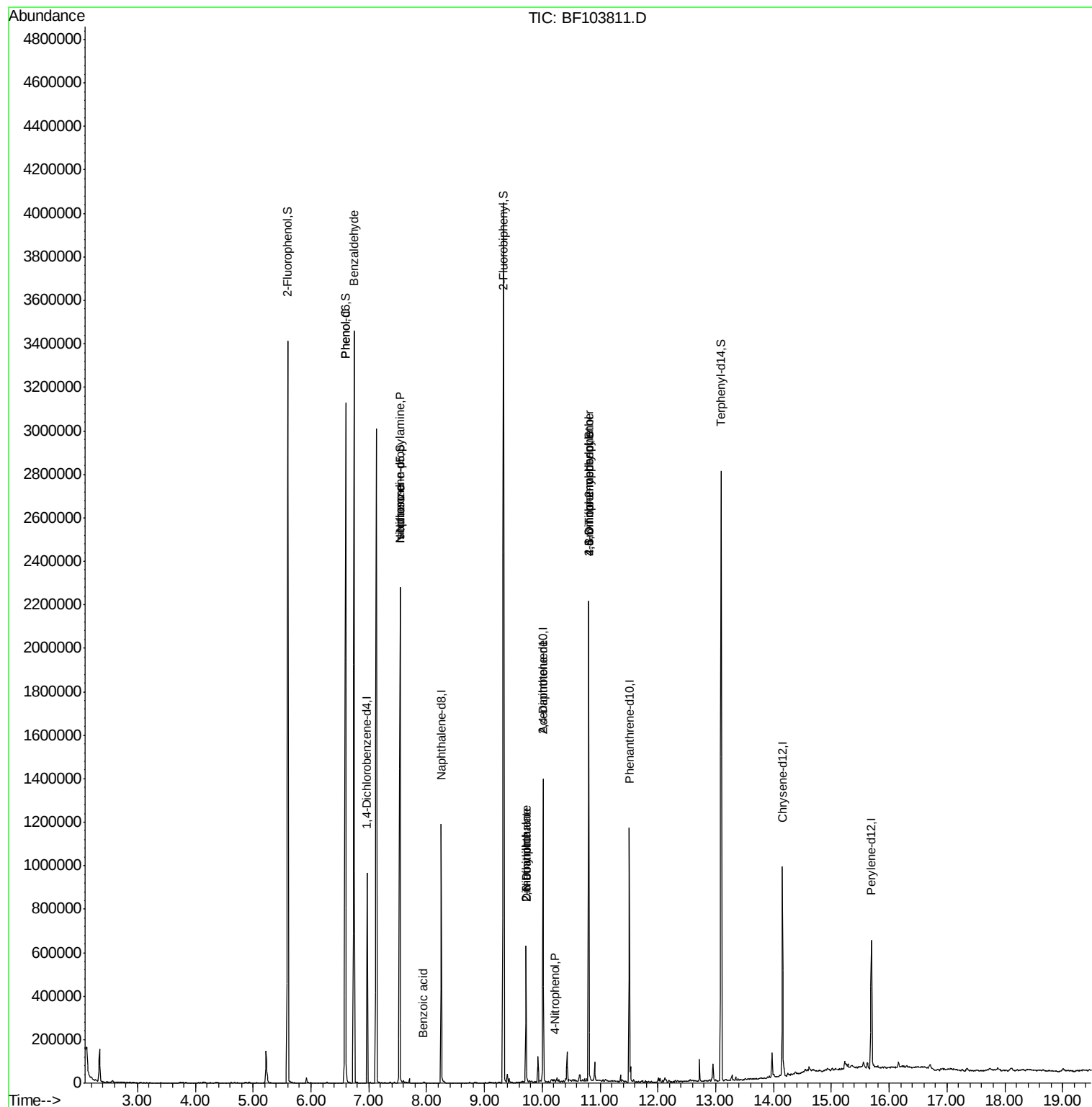
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	22459	2.844	ng	88
10) Phenol	6.60	94	33141	2.594	ng	86
19) n-Nitroso-di-n-propylamine	7.53	70	118954	15.440	ng	# 74
25) Isophorone	7.54	82	901504	46.890	ng	# 64
32) Benzoic acid	7.95	122	1053	10.049	ng	# 89
47) 2-Nitroaniline	9.72	65	2003	7.175	ng	# 1
49) Dimethylphthalate	9.72	163	222594	10.601	ng	99
50) 2,6-Dinitrotoluene	9.72	165	2373	4.519	ng	# 21
55) 4-Nitrophenol	10.22	139	125	5.000	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	35679	12.250	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	557	8.524	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16548	3.931	ng	# 1

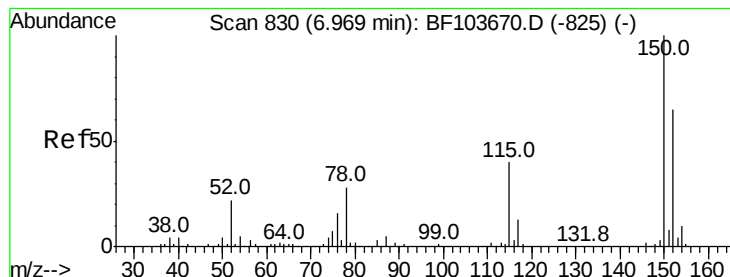
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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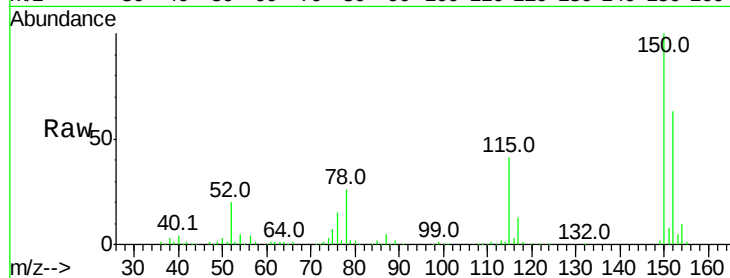


#1

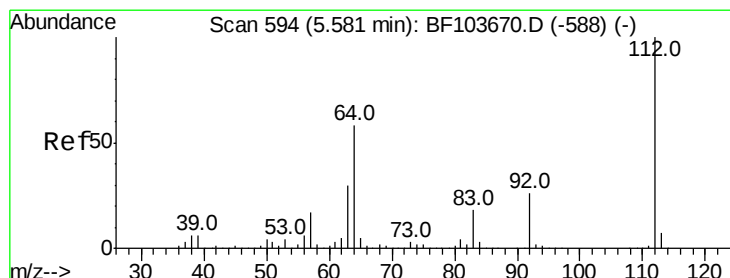
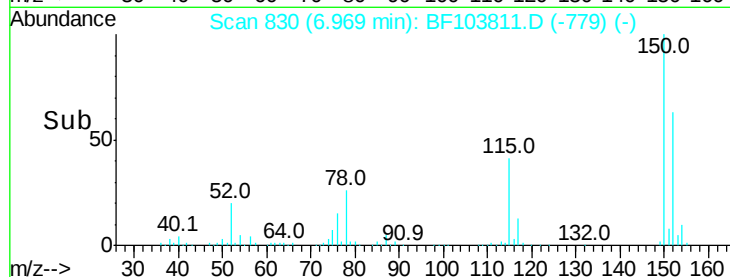
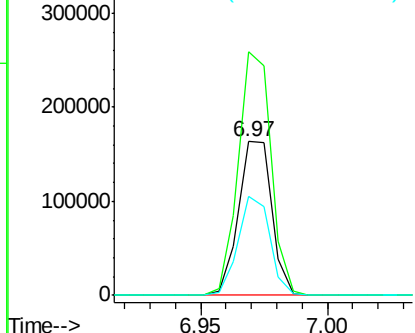
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103811.D
Acq: 20 Mar 2018 19:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149457
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 64.4 50.1 75.1



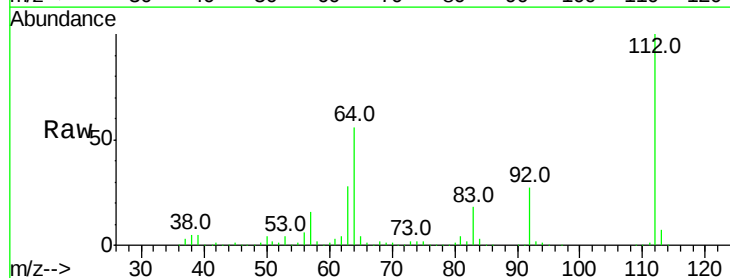
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



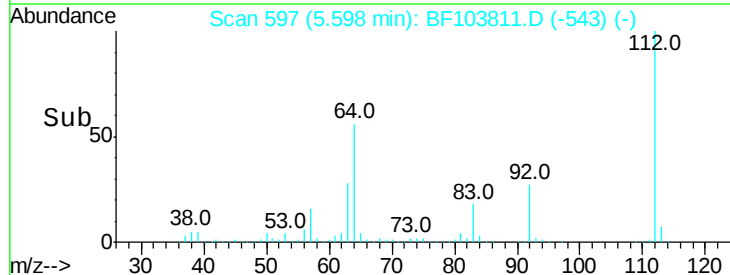
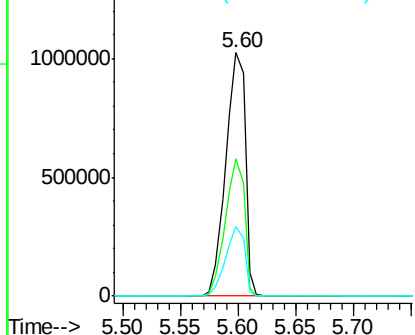
#5

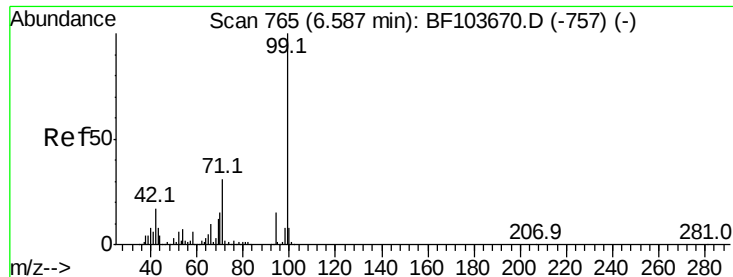
2-Fluorophenol
Concen: 122.472 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103811.D
Acq: 20 Mar 2018 19:17

Tgt Ion:112 Resp: 1203443
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.4 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: 113.312 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

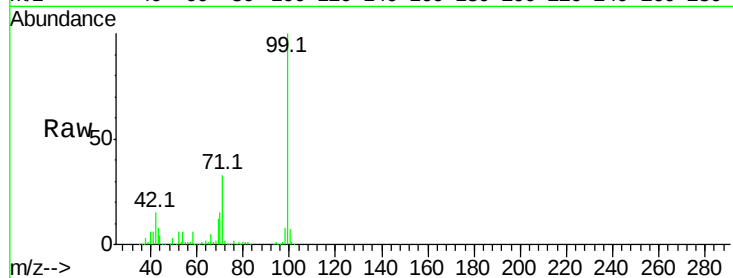
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1362207

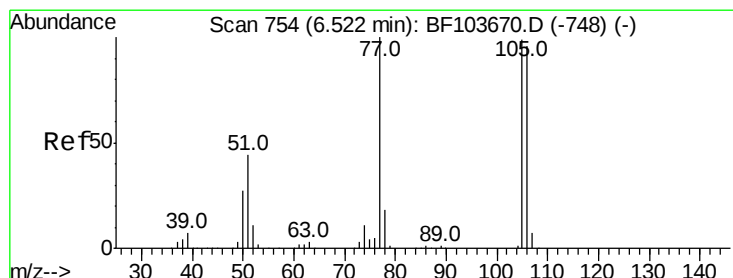
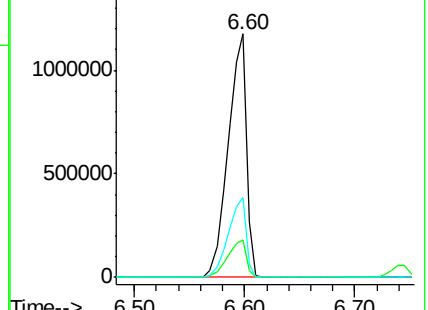
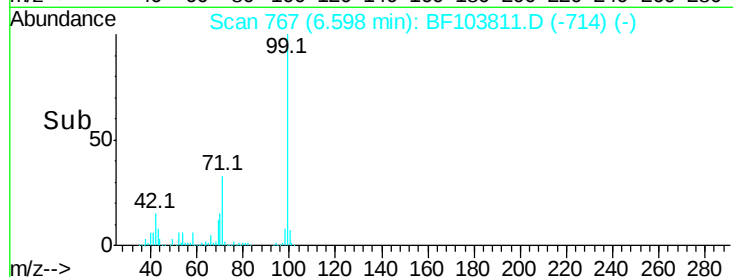
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	32.6	25.4	38.0



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: 2.844 ng

RT: 6.75 min Scan# 792

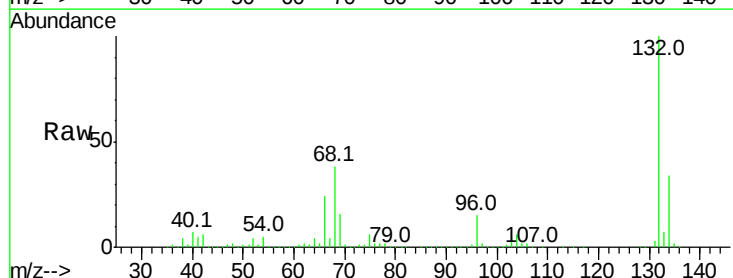
Delta R.T. 0.22 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Tgt Ion: 77 Resp: 22459

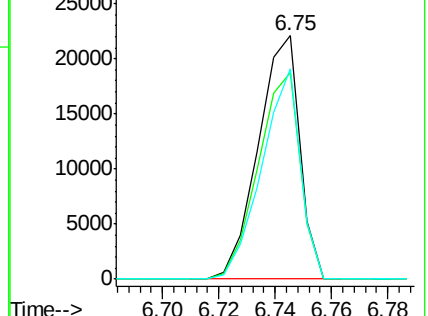
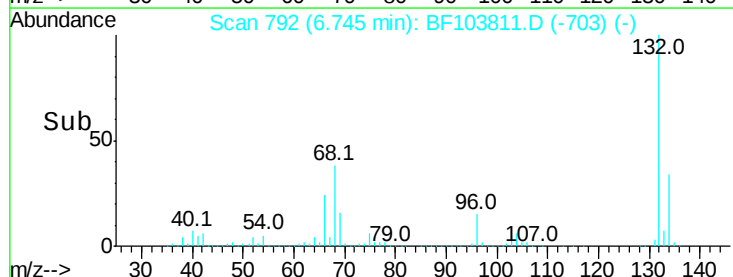
Ion	Ratio	Lower	Upper
77	100		
105	85.1	81.1	121.1
106	86.3	74.5	114.5

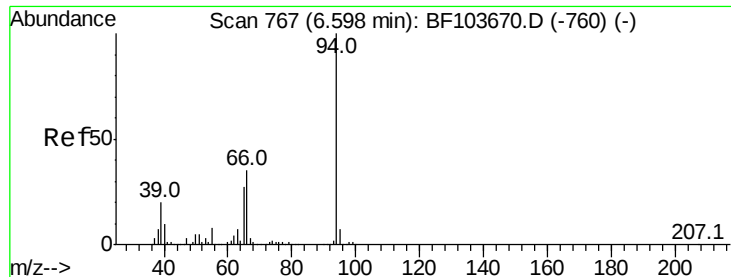


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.594 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

BNA_F

ClientSampleId :

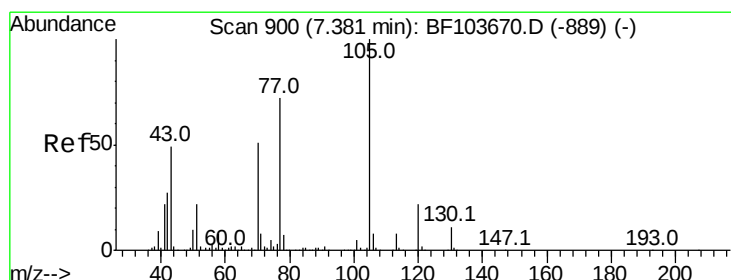
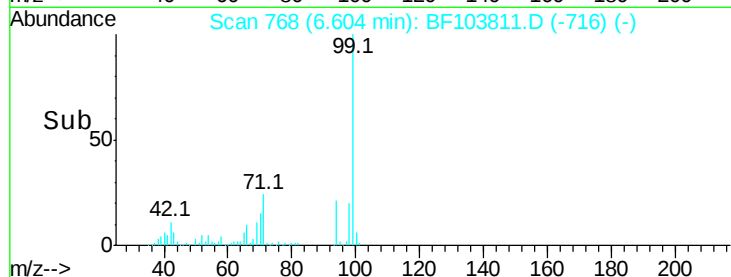
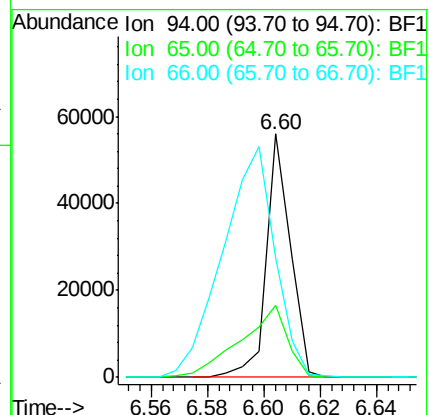
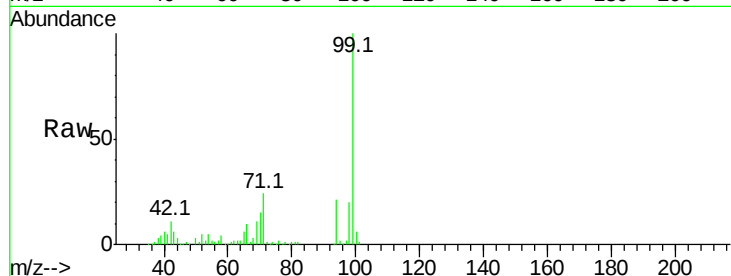
Tot Ion: 94 Resp: 33141

Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

66 49.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.440 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Tgt Ion: 70 Resp: 118954

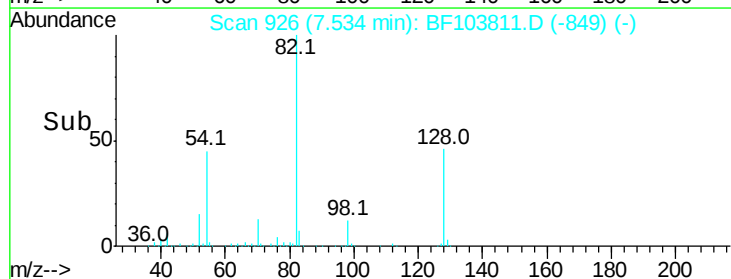
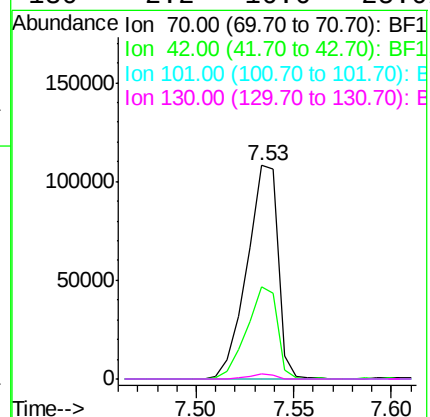
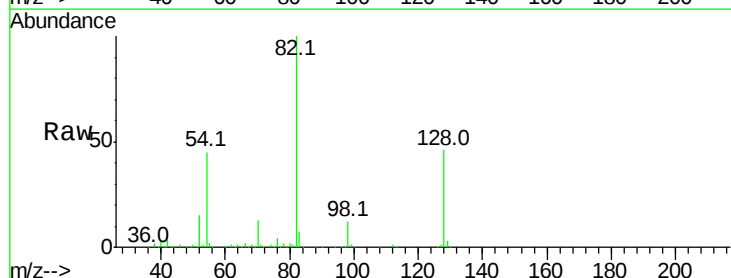
Ion Ratio Lower Upper

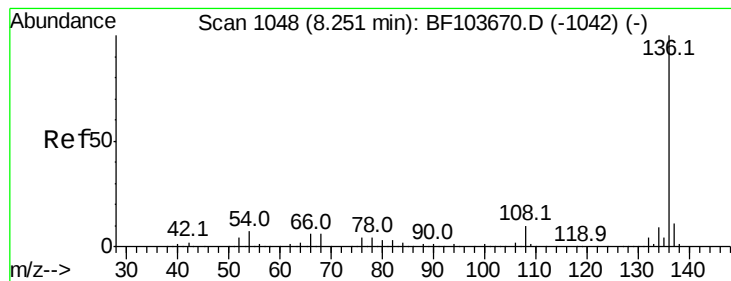
70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

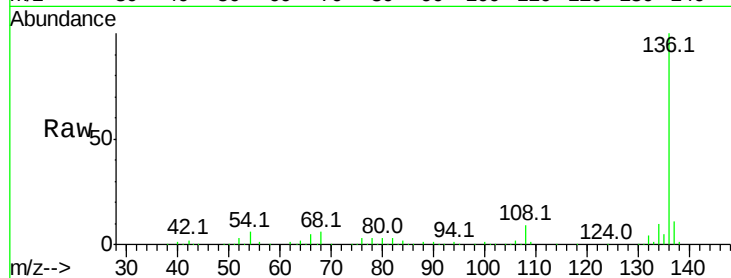
BNA_F

ClientSampled :

Tot Ion:136 Resp: 579171

Ion Ratio Lower Upper

136	100		
137	10.8	8.9	13.3
54	6.2	6.6	9.8#
68	5.5	5.0	7.4

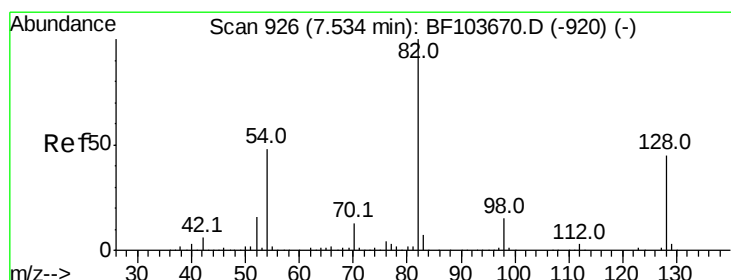
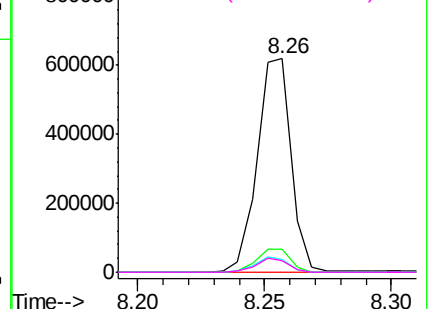
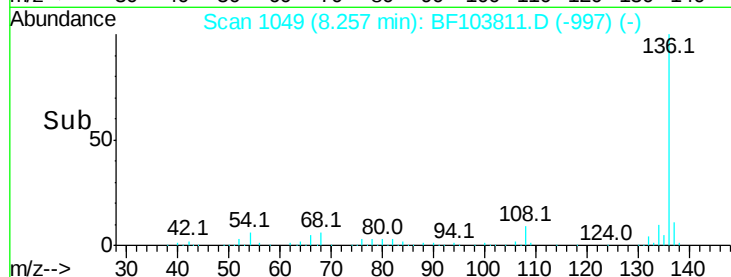


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.925 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

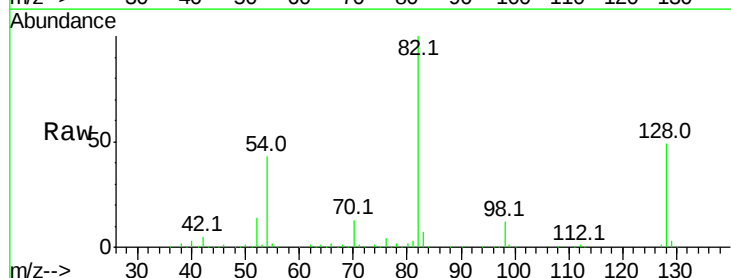
Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Tgt Ion: 82 Resp: 904644

Ion Ratio Lower Upper

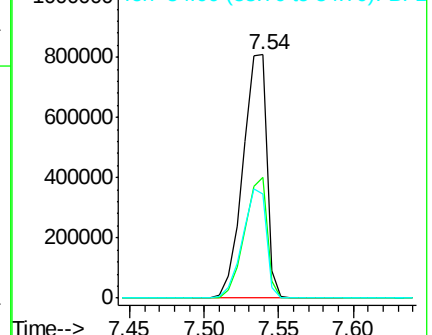
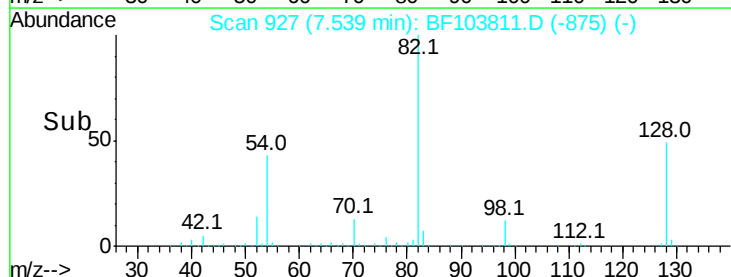
82	100		
128	49.4	36.1	54.1
54	43.0	41.4	62.2

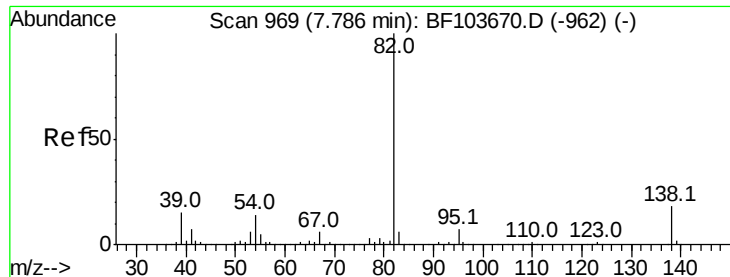


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.890 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

BNA_F

ClientSampled :

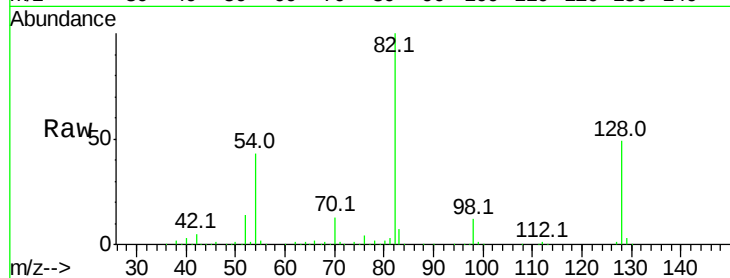
Tot Ion: 82 Resp: 901504

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

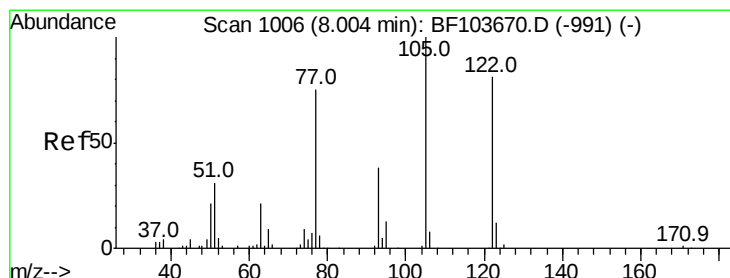
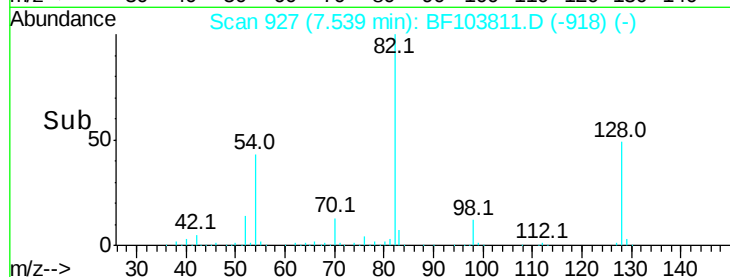
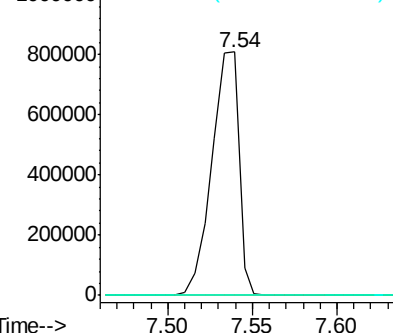
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 10.049 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.05 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

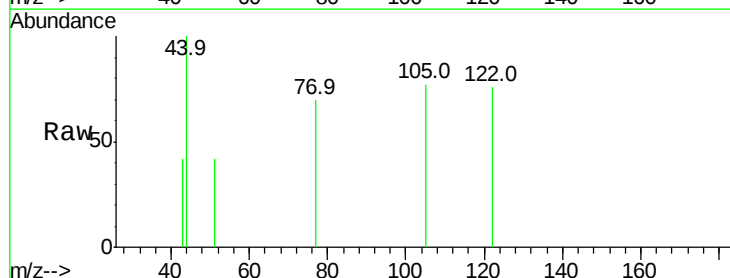
Tgt Ion:122 Resp: 1053

Ion Ratio Lower Upper

122 100

105 100.8 101.1 141.1#

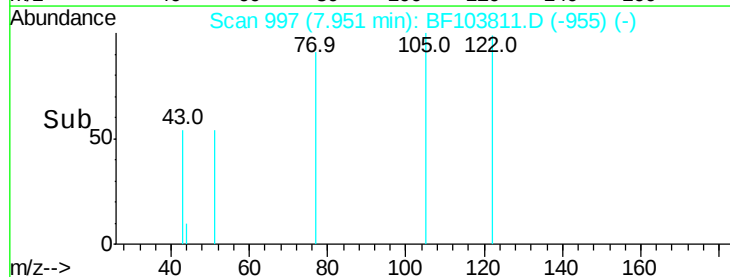
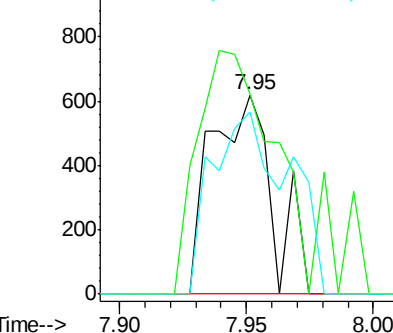
77 91.4 70.7 110.7

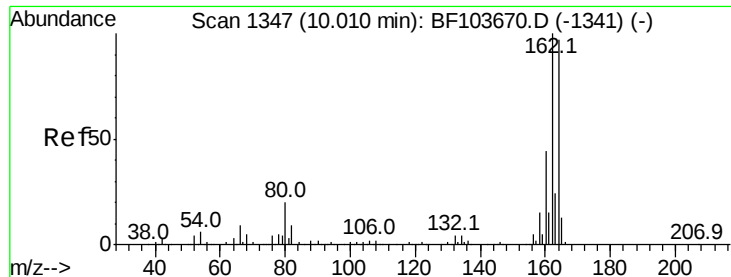


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

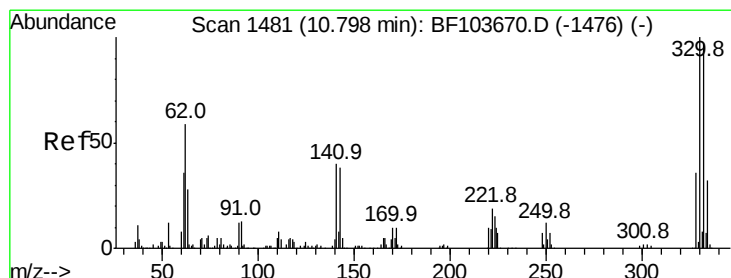
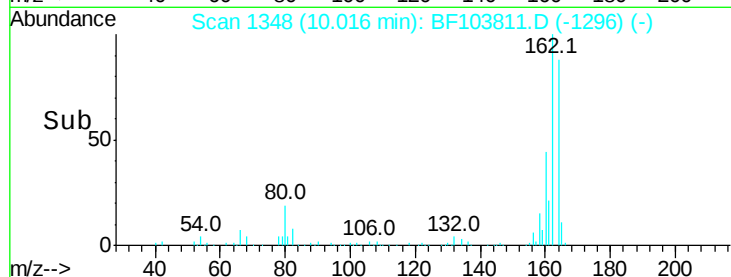
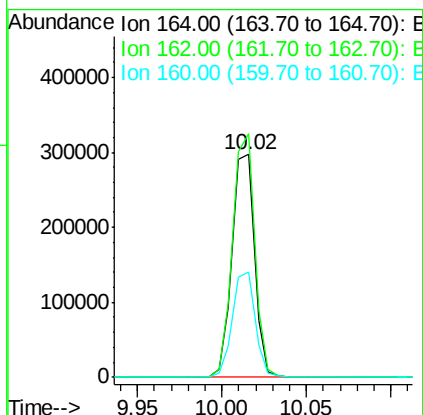
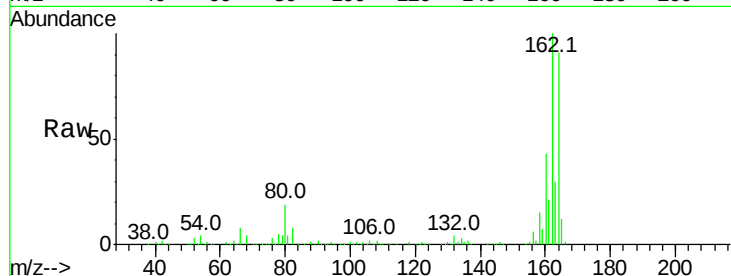




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103811.D
Acq: 20 Mar 2018 19:17

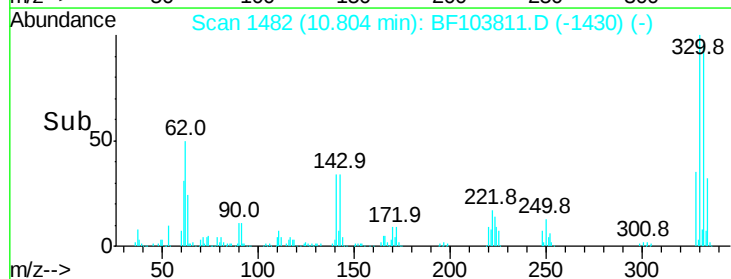
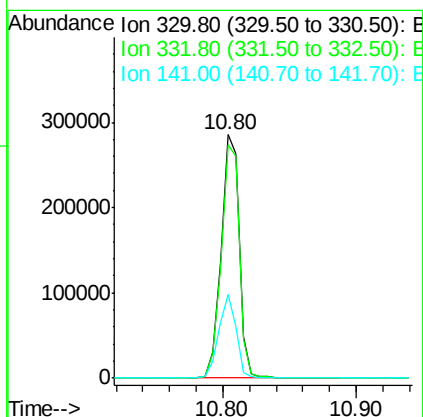
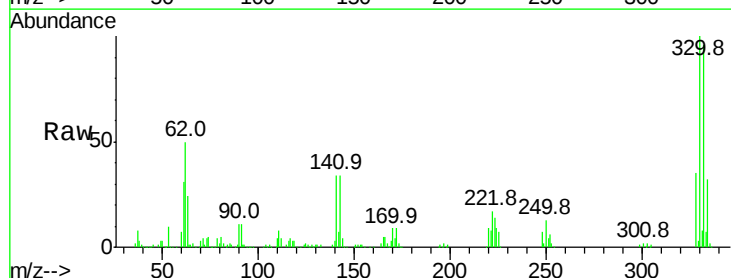
Instrument :
BNA_F
ClientSampleId :

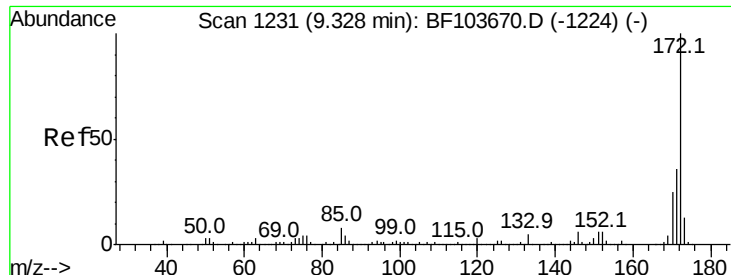
Tot Ion:164 Resp: 275211
Ion Ratio Lower Upper
164 100
162 109.3 86.1 129.1
160 47.4 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 115.800 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103811.D
Acq: 20 Mar 2018 19:17

Tgt Ion:330 Resp: 274015
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 33.0 29.9 44.9



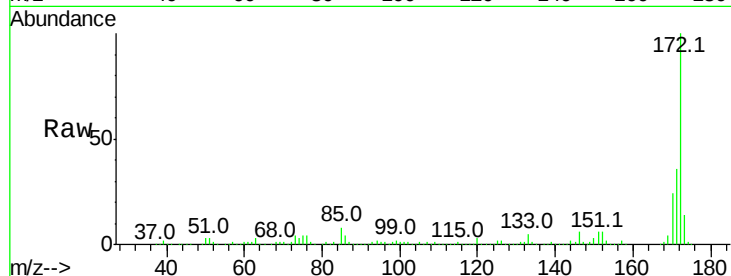


#44
 2-Fluorobiphenyl
 Concen: 78.714 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

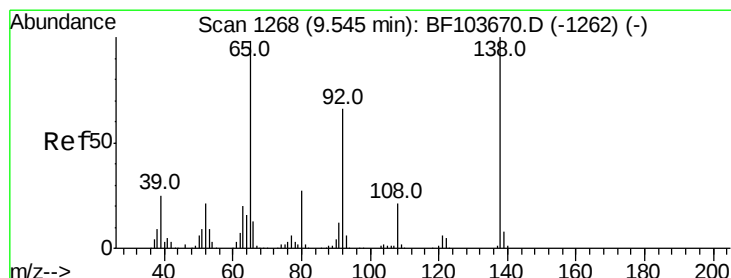
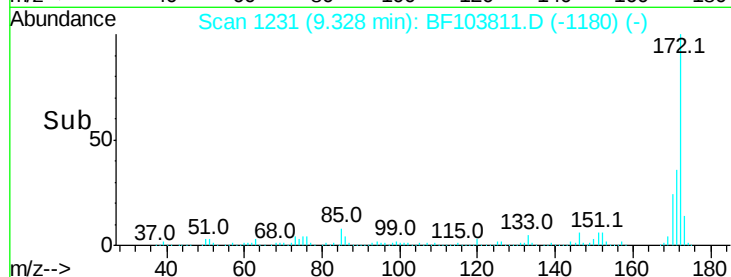
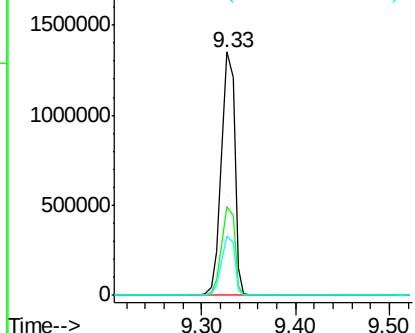
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1358049

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4



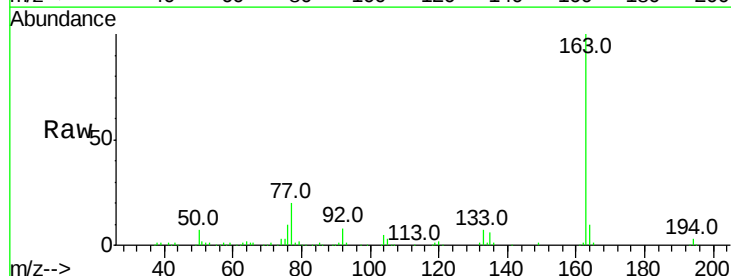
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



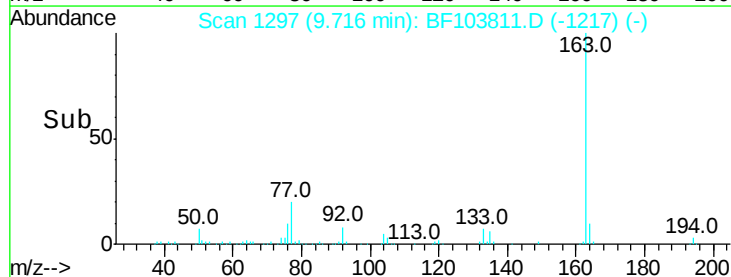
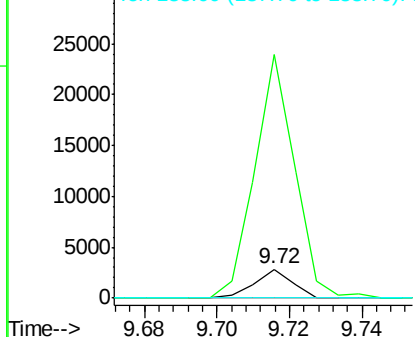
#47
 2-Nitroaniline
 Concen: 7.175 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

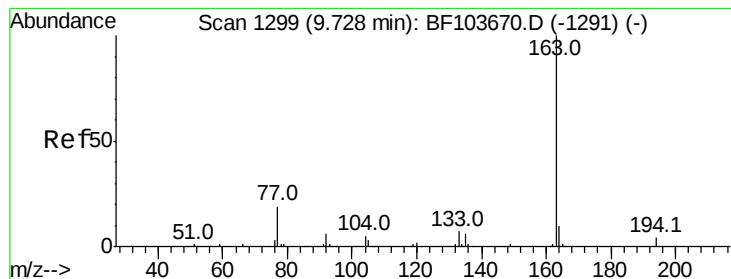
Tgt Ion: 65 Resp: 2003

Ion	Ratio	Lower	Upper
65	100		
92	851.8	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 10.601 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

BNA_F

ClientSampleId :

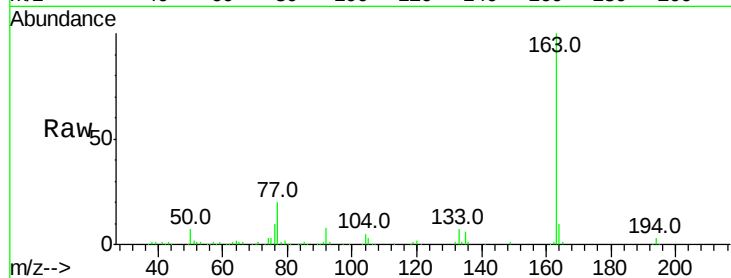
Tot Ion:163 Resp: 222594

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

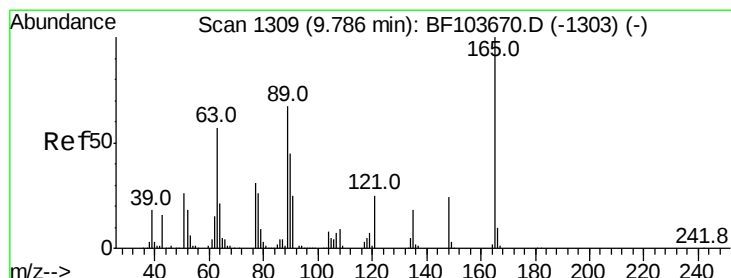
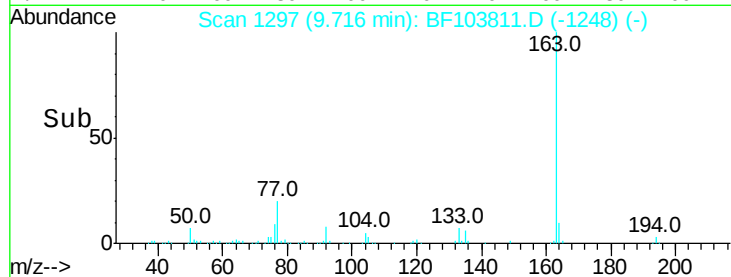
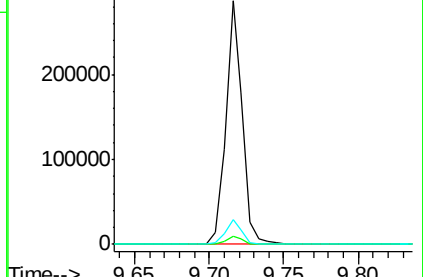
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 4.519 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

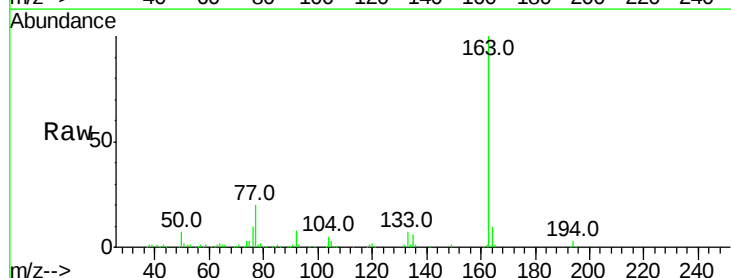
Tgt Ion:165 Resp: 2373

Ion Ratio Lower Upper

165 100

63 131.0 44.7 67.1#

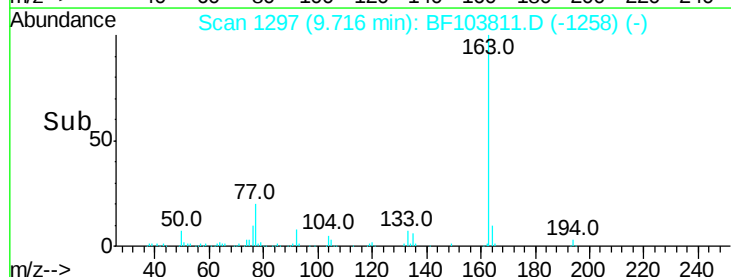
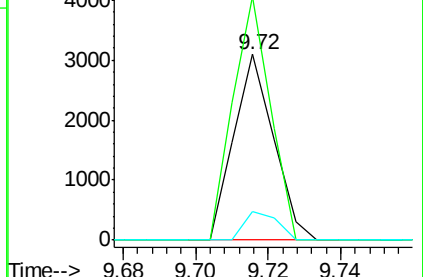
89 15.1 44.0 66.0#

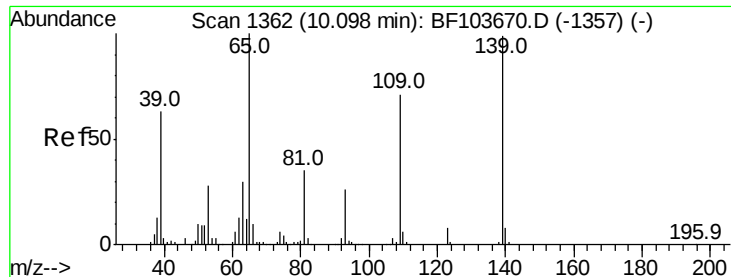


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 5.000 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

BNA_F

ClientSampleId :

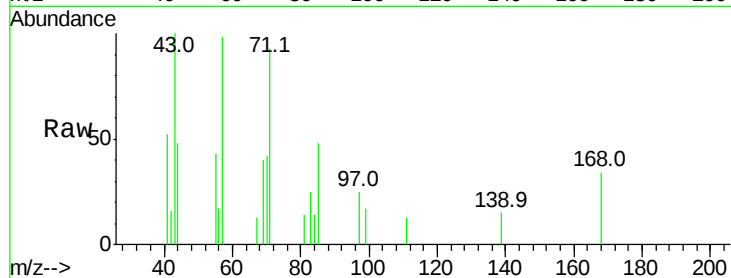
Tot Ion:139 Resp: 125

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



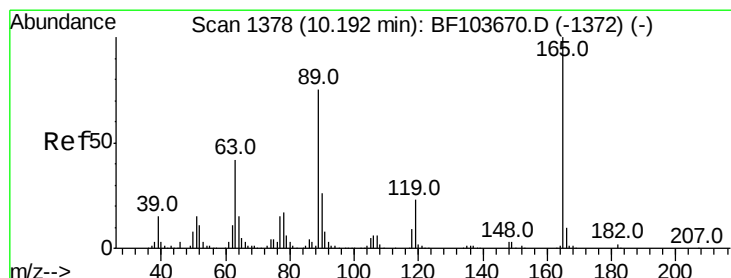
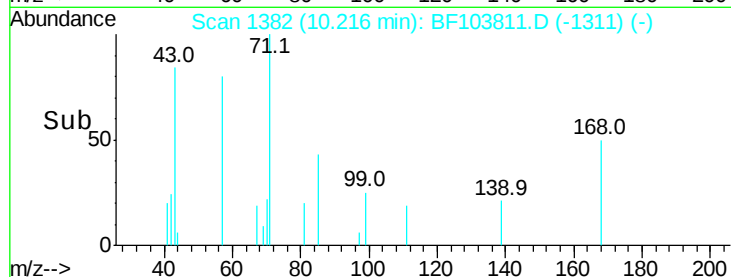
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

10.22

Time-->



#56

2,4-Dinitrotoluene

Concen: 12.250 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.18 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Tgt Ion:165 Resp: 35679

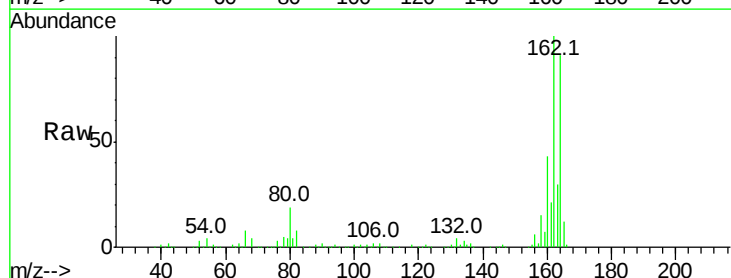
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

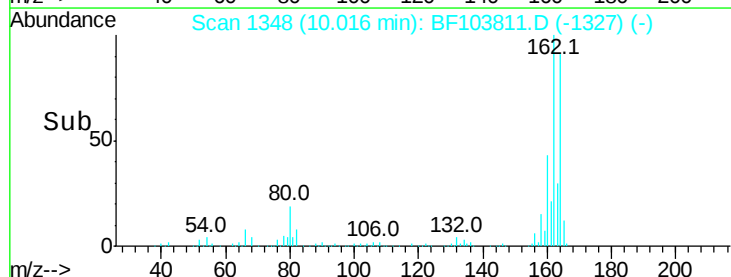
Ion 63.00 (62.70 to 63.70): BF1

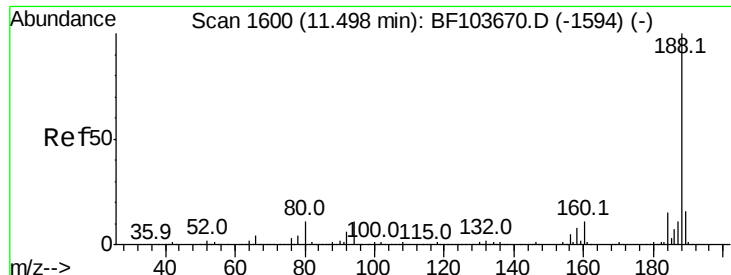
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

10.02

Time-->

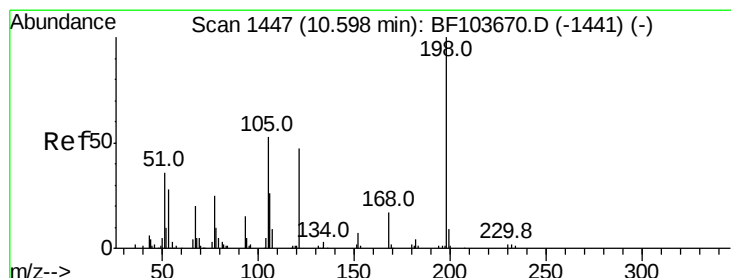
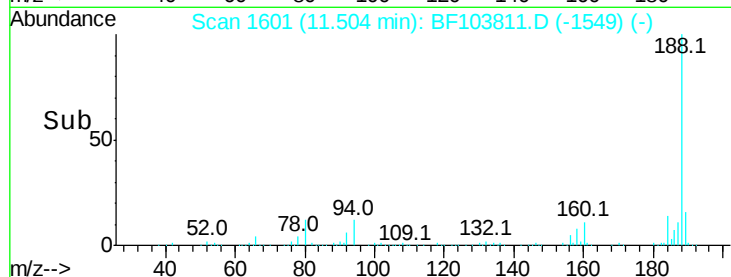
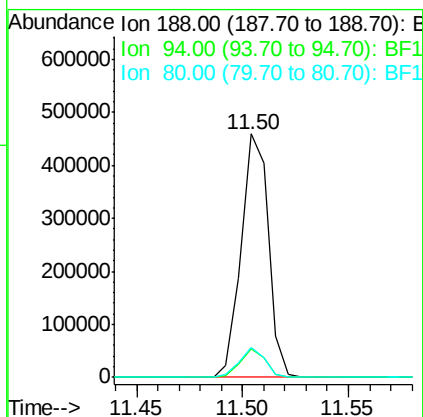
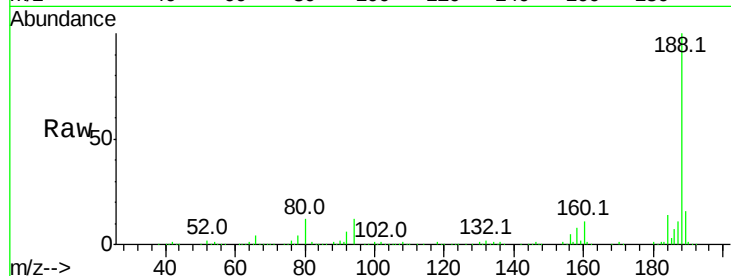




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

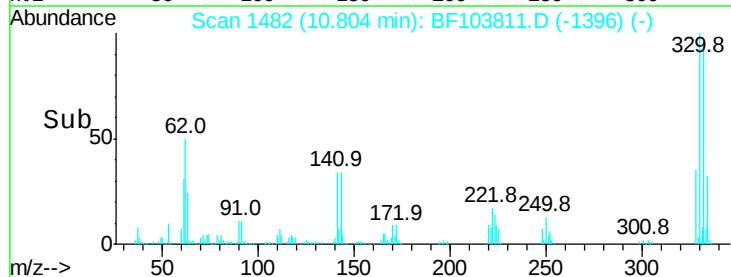
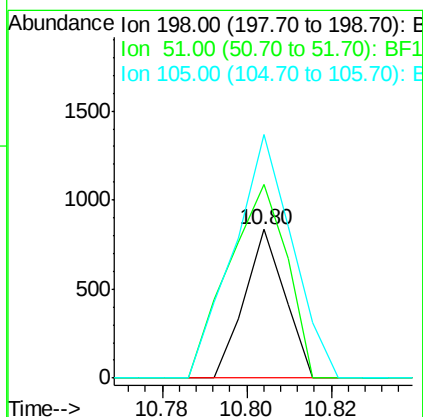
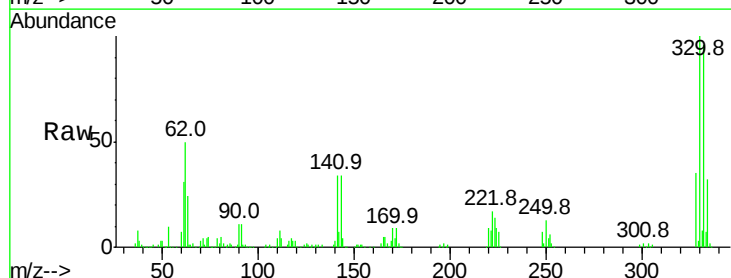
Instrument :
 BNA_F
 ClientSampleId :

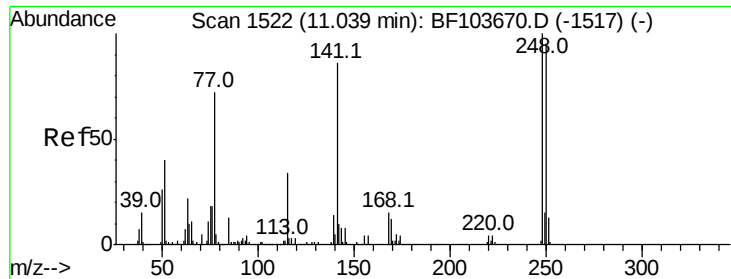
Tot Ion:188 Resp: 409958
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.524 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.21 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

Tgt Ion:198 Resp: 557
 Ion Ratio Lower Upper
 198 100
 51 130.5 37.7 77.7#
 105 163.9 36.3 76.3#

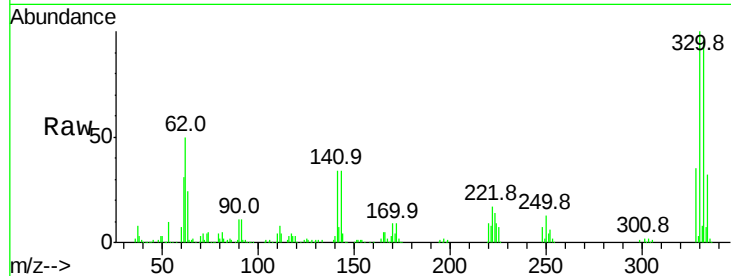




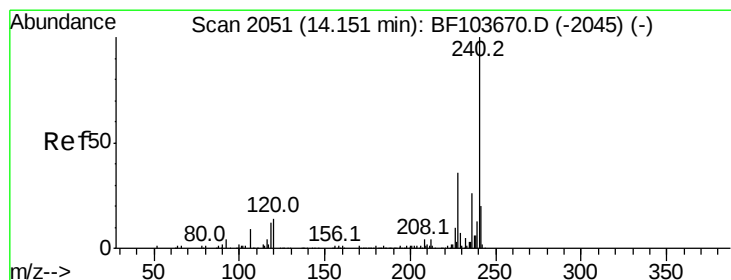
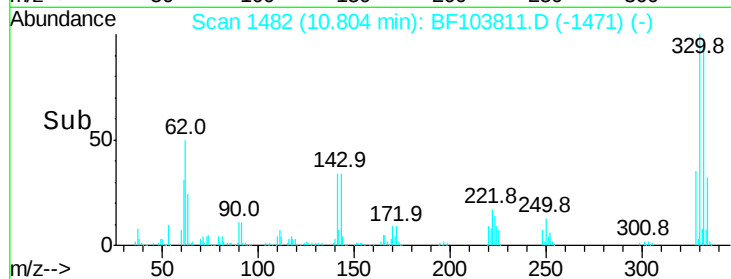
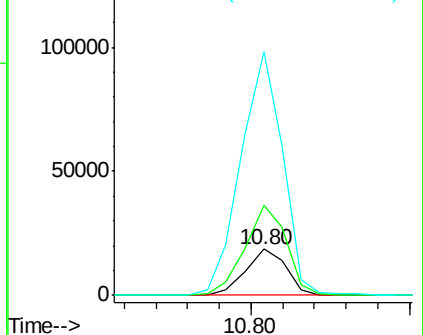
#66
 4-Bromophenyl-phenylether
 Concen: 3.931 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.24 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16548
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 526.0 74.4 111.6#

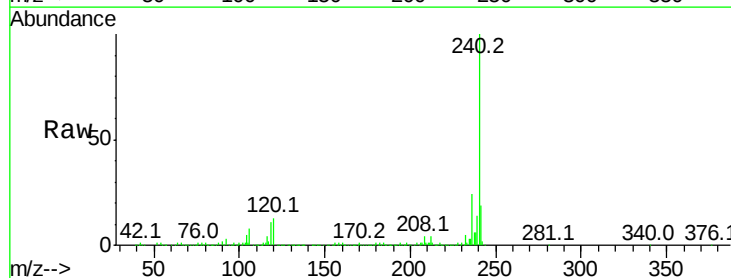


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

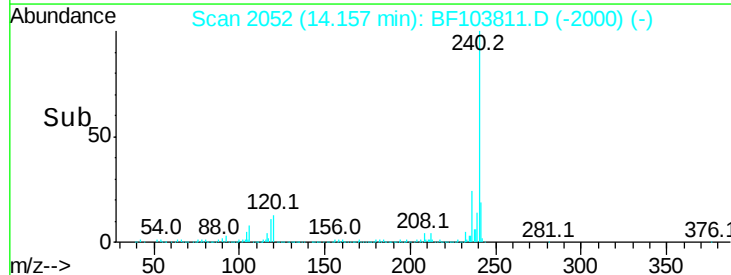
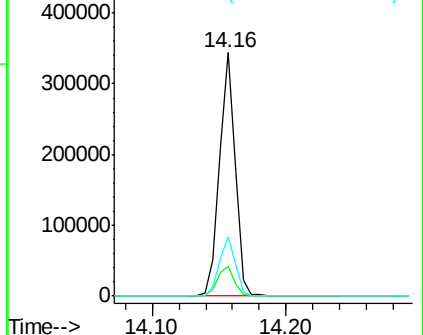


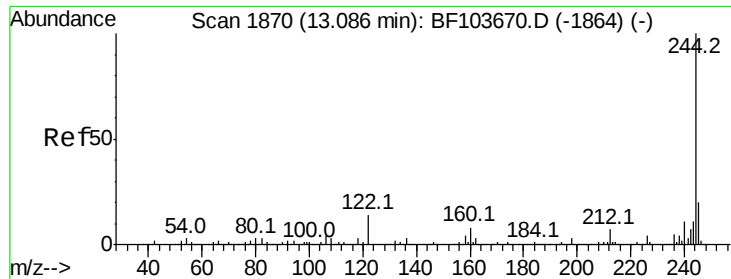
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103811.D
 Acq: 20 Mar 2018 19:17

Tgt Ion:240 Resp: 287674
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.5 14.3
 236 24.3 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: 79.703 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

Instrument :

BNA_F

ClientSampled :

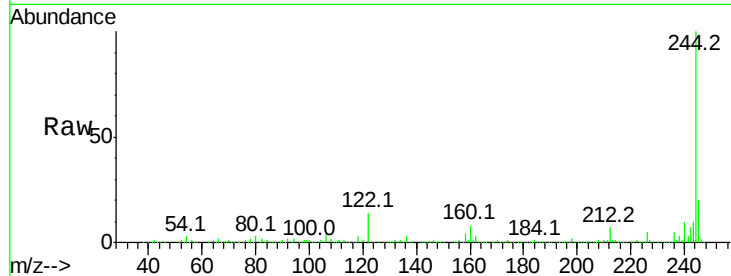
Tot Ion:244 Resp: 987808

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

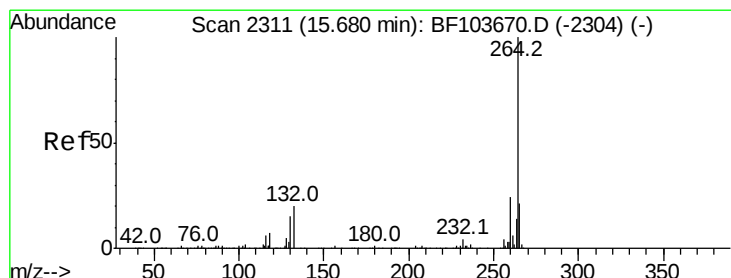
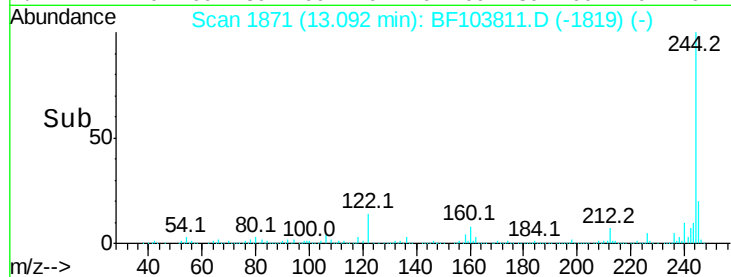
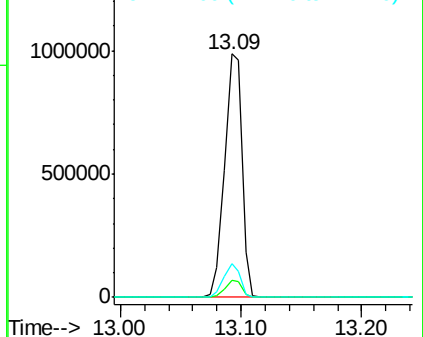
122 14.0 11.0 16.4



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: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103811.D

Acq: 20 Mar 2018 19:17

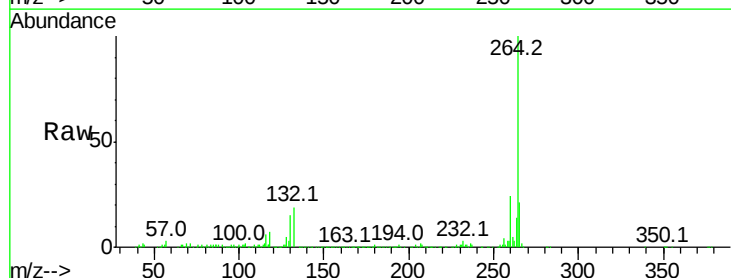
Tgt Ion:264 Resp: 266198

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.3 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

