

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103770.D
 Acq On : 19 Mar 2018 21:51
 Operator : JU/SJ
 Sample : J1971-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 00:58:41 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	154021	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	612977	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	253820	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	392601	20.00	ng	0.00
75) Chrysene-d12	14.16	240	313842	20.00	ng	0.00
86) Perylene-d12	15.69	264	248751	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1203200	118.82	ng	0.02
7) Phenol-d6	6.60	99	1485777	119.93	ng	0.01
23) Nitrobenzene-d5	7.54	82	909457	103.47	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	288955	132.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1332856	83.76	ng	0.00
78) Terphenyl-d14	13.10	244	1064174	78.71	ng	0.01

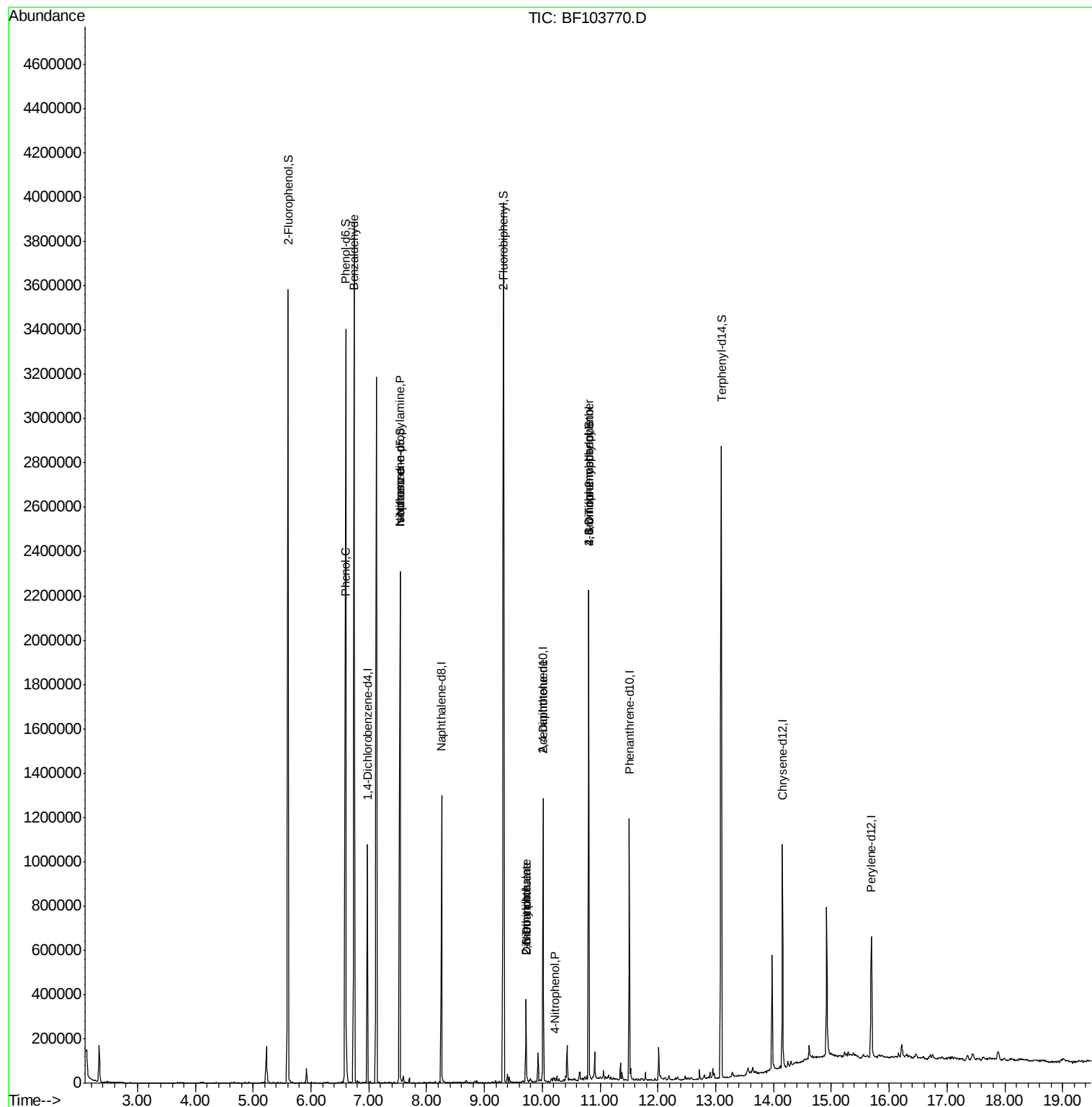
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	25550	3.139	ng	83
10) Phenol	6.61	94	47585	3.615	ng	93
19) n-Nitroso-di-n-propylamine	7.54	70	119055	14.995	ng	# 72
25) Isophorone	7.54	82	907451	44.596	ng	# 64
47) 2-Nitroaniline	9.72	65	1197	7.048	ng	# 1
49) Dimethylphthalate	9.72	163	126487	6.532	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1454	4.340	ng	# 10
55) 4-Nitrophenol	10.22	139	422	5.081	ng	# 43
56) 2,4-Dinitrotoluene	10.02	165	32078	12.098	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	556	8.541	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	17427	4.323	ng	# 1

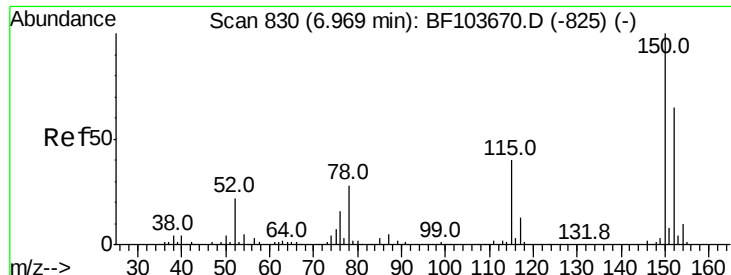
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031918\
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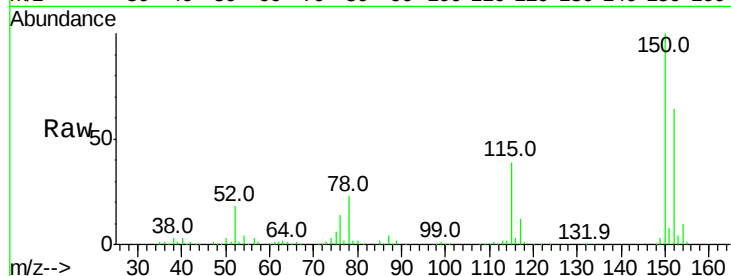


#1

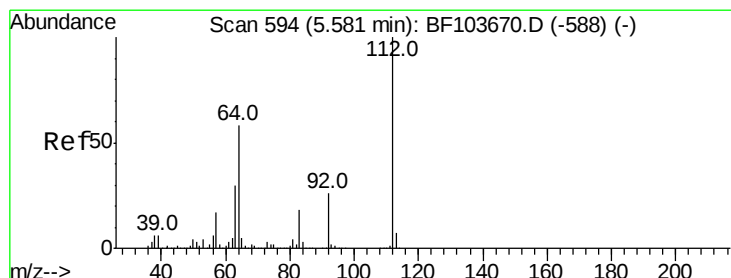
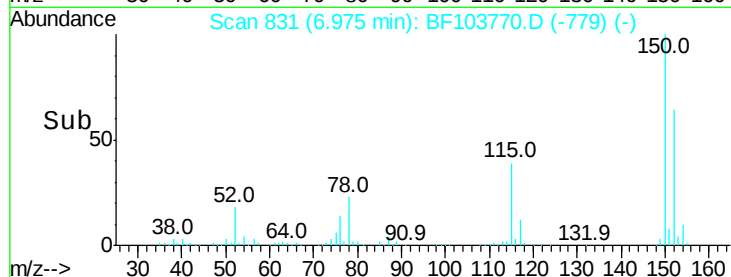
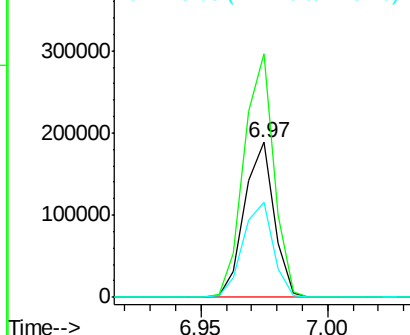
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154021
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 61.0 50.1 75.1



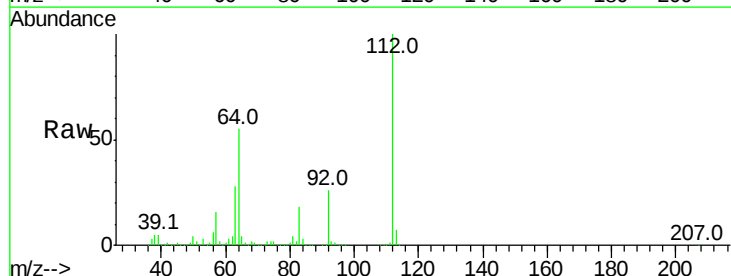
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



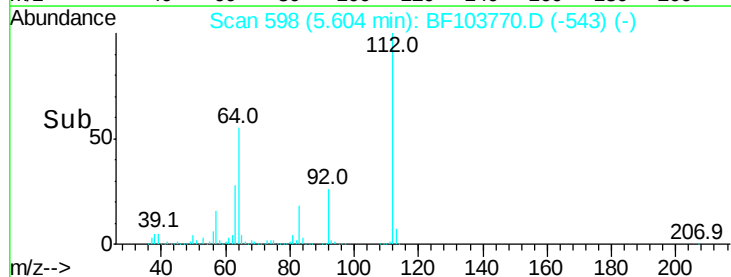
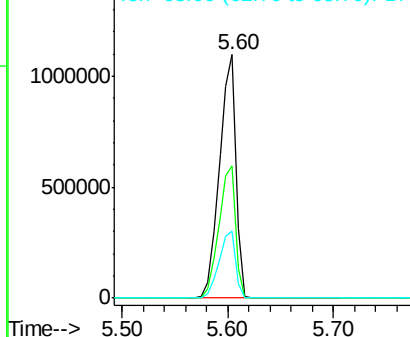
#5

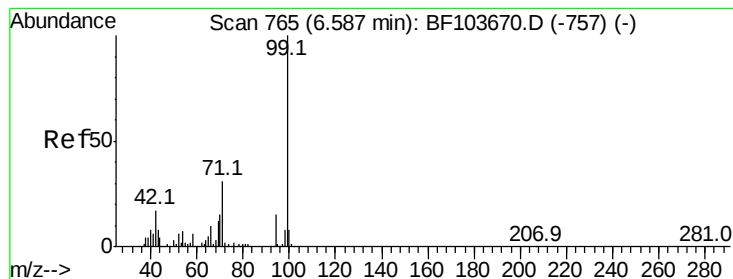
2-Fluorophenol
Concen: 118.819 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Tgt Ion:112 Resp: 1203200
Ion Ratio Lower Upper
112 100
64 54.6 47.9 71.9
63 27.6 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: 119.928 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :

BNA_F

ClientSampleId :

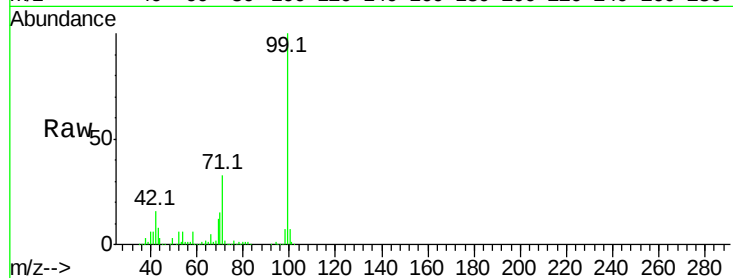
Tot Ion: 99 Resp: 1485777

Ion Ratio Lower Upper

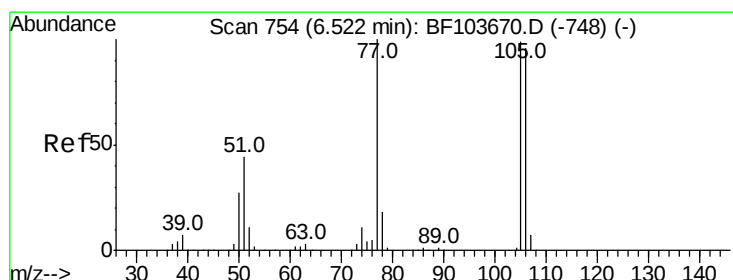
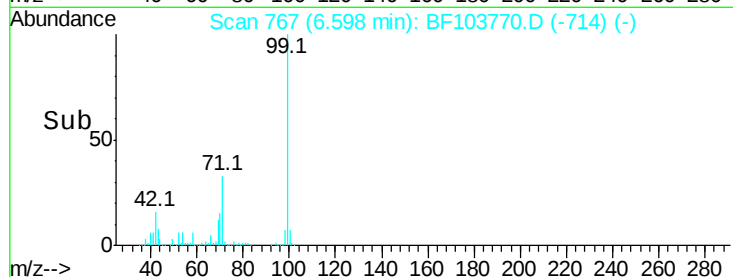
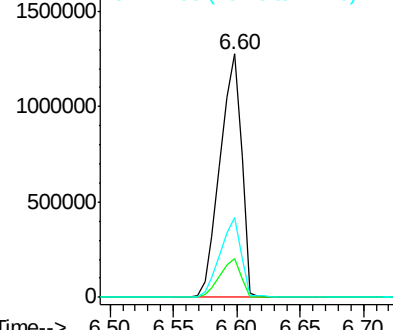
99 100

42 15.9 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: 3.139 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

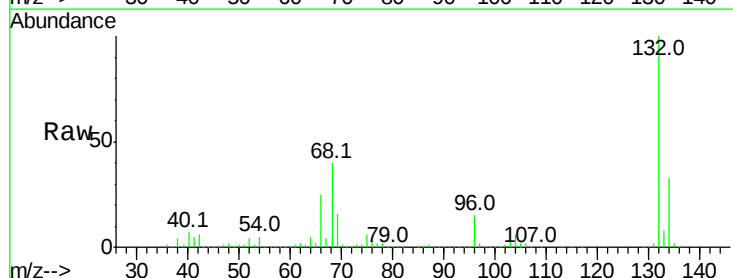
Tgt Ion: 77 Resp: 25550

Ion Ratio Lower Upper

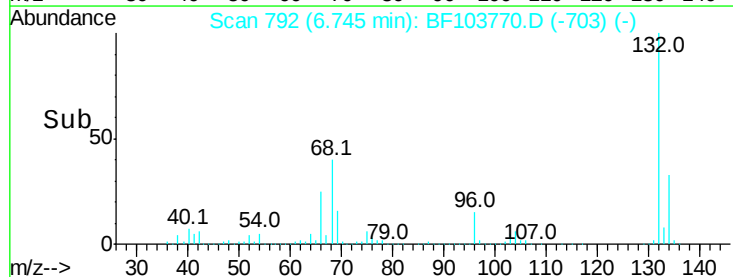
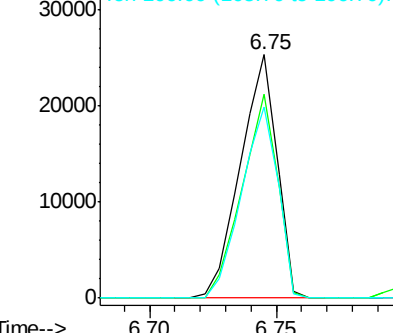
77 100

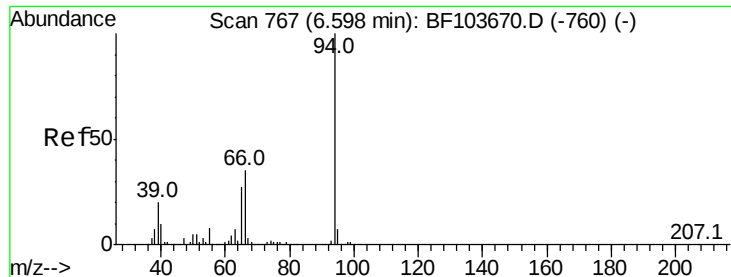
105 83.8 81.1 121.1

106 78.5 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

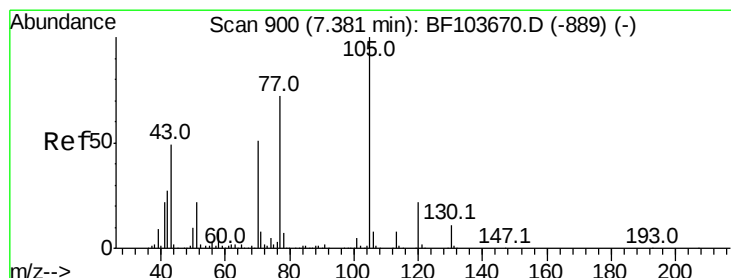
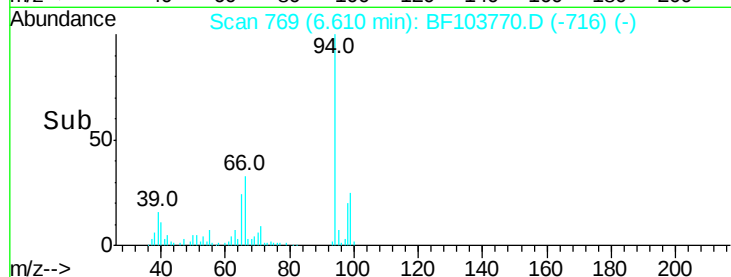
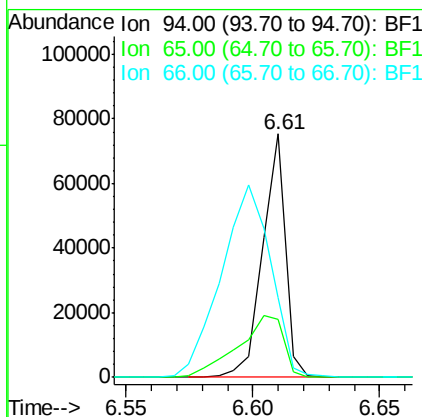
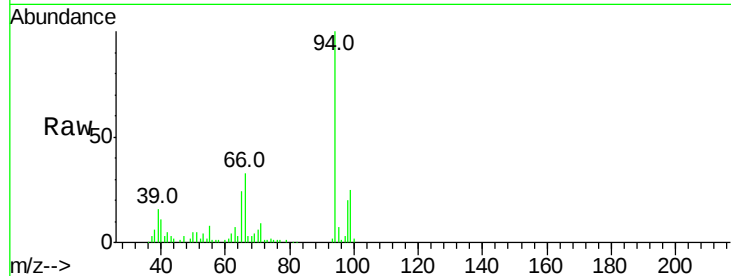




#10
Phenol
Concen: 3.615 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

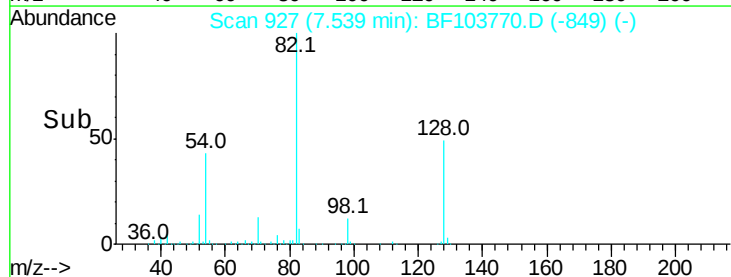
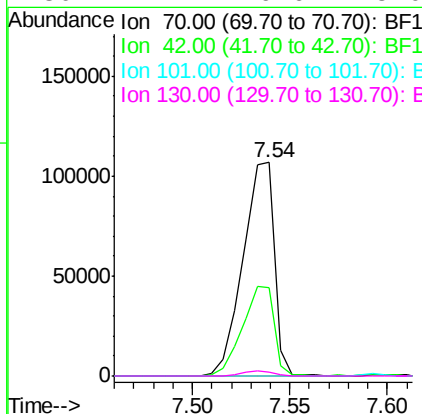
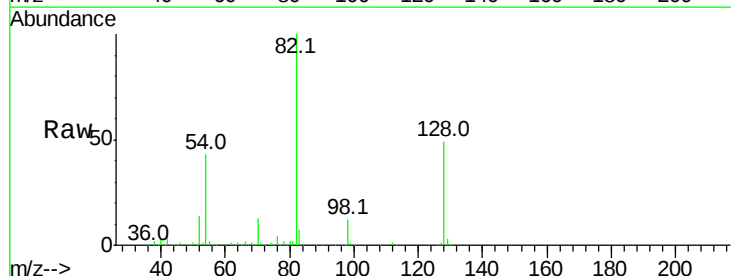
Instrument :
BNA_F
ClientSampled :

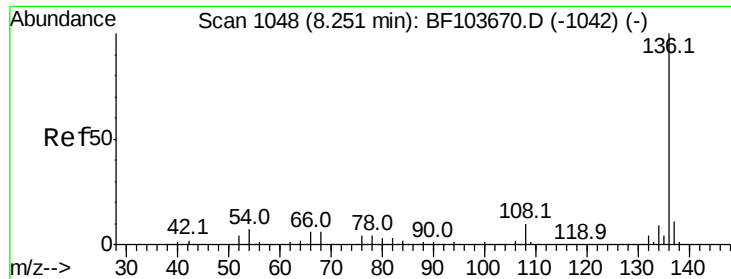
Tot Ion: 94 Resp: 47585
Ion Ratio Lower Upper
94 100
65 23.9 7.9 47.9
66 32.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.995 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.16 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Tgt Ion: 70 Resp: 119055
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

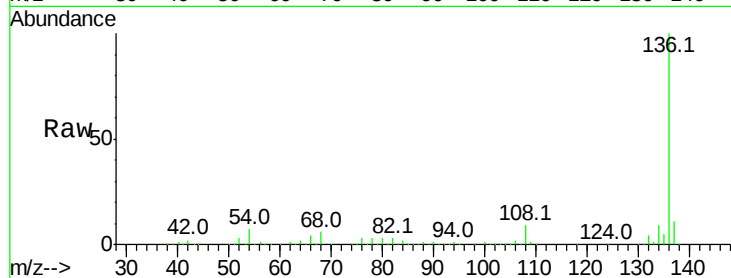




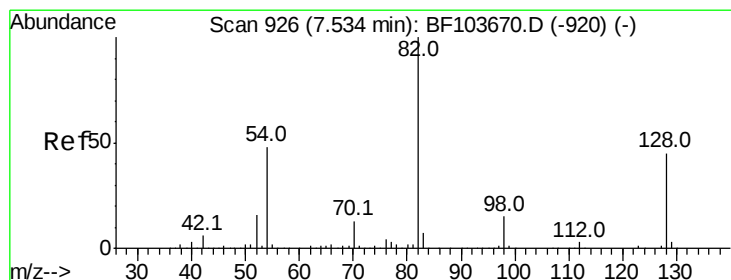
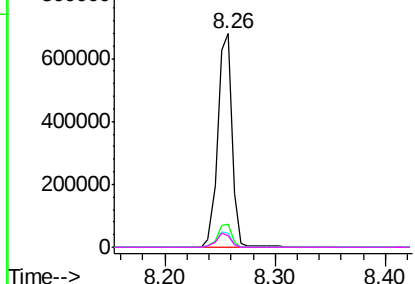
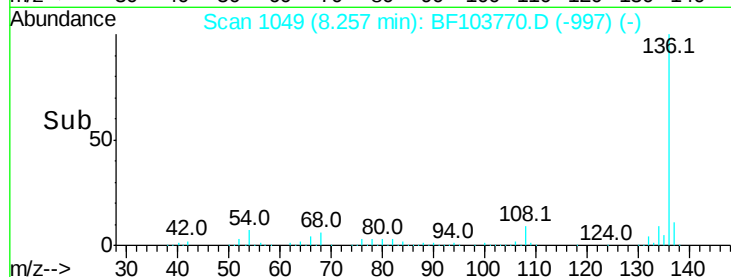
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	612977
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.5	6.6	9.8#
68	5.6	5.0	7.4

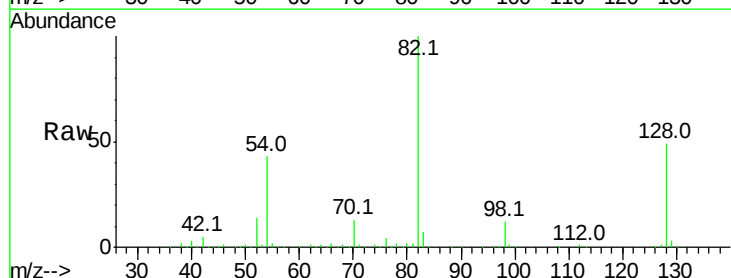


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

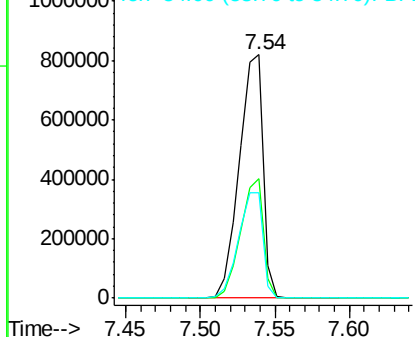
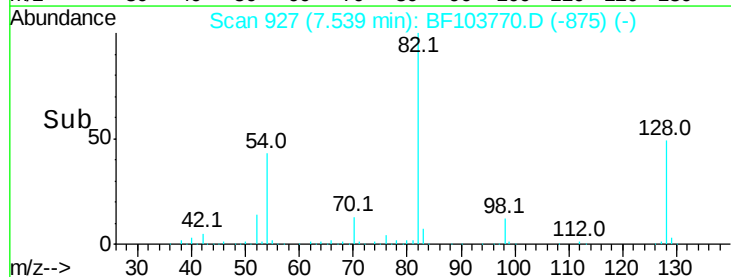


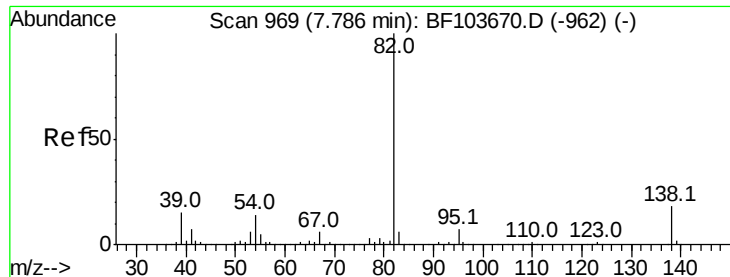
#23
Nitrobenzene-d5
Concen: 103.465 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Tgt Ion:	82	Resp:	909457
Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	43.4	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: 44.596 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :
BNA_F
ClientSampled :

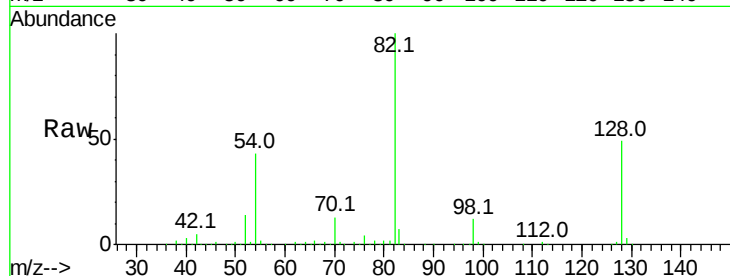
Tot Ion: 82 Resp: 907451

Ion Ratio Lower Upper

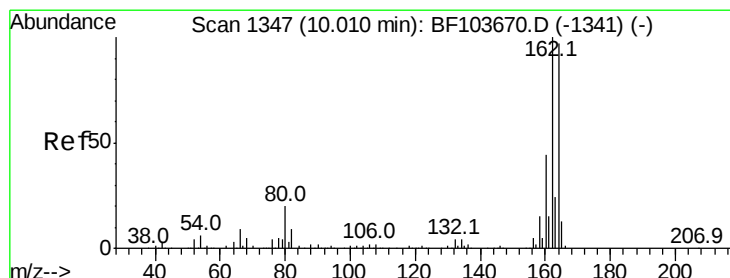
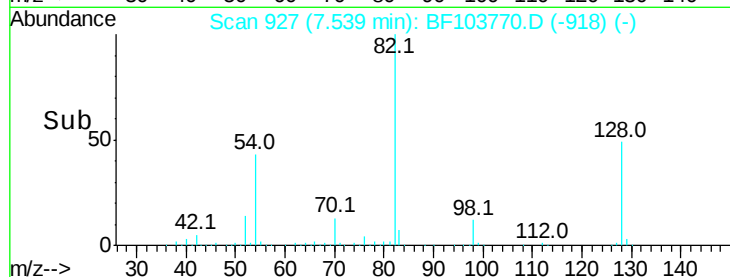
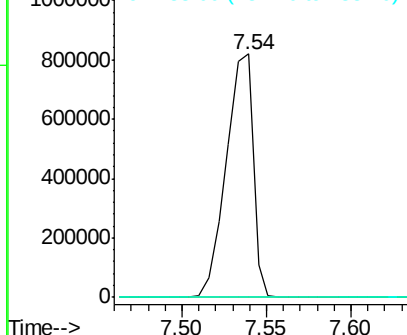
82 100

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: BF103770.D

Acq: 19 Mar 2018 21:51

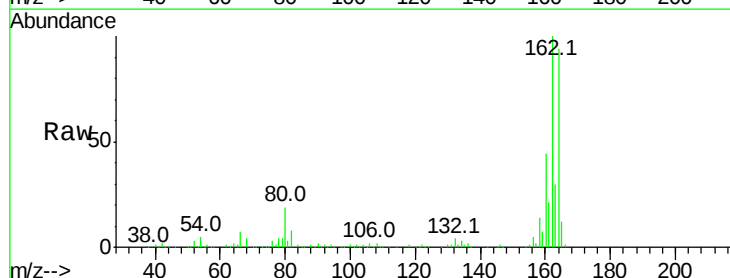
Tgt Ion:164 Resp: 253820

Ion Ratio Lower Upper

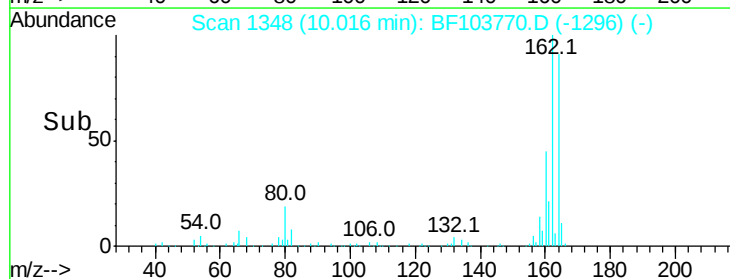
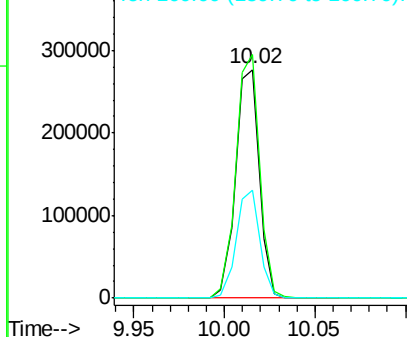
164 100

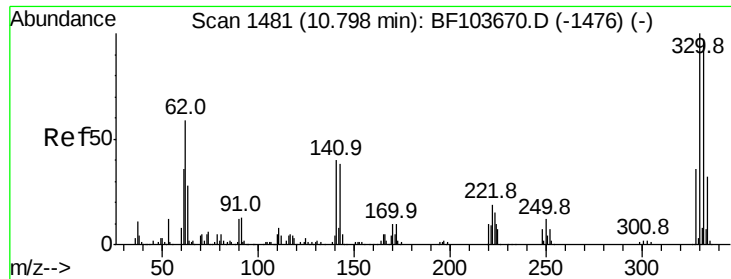
162 106.5 86.1 129.1

160 47.3 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

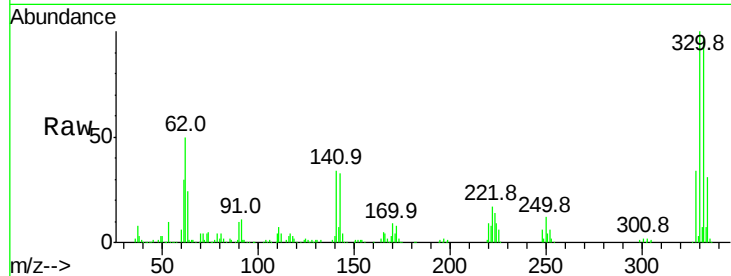




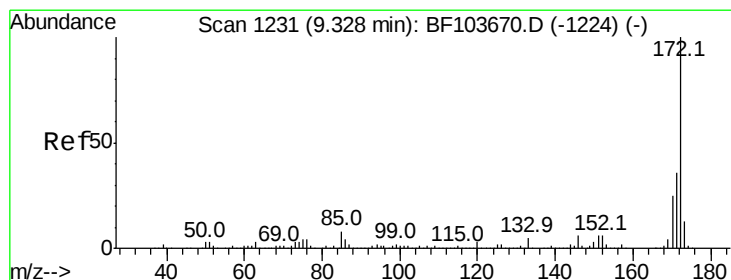
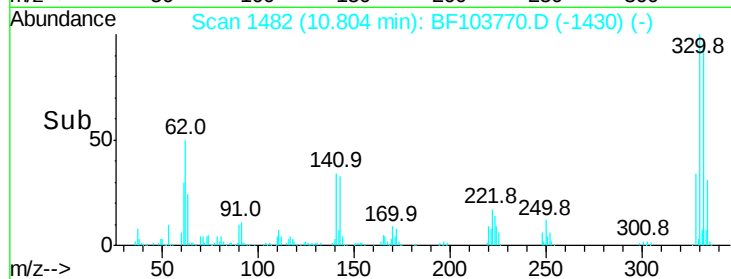
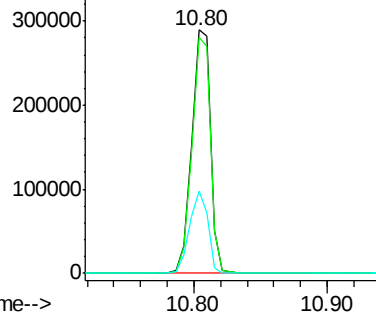
#41
 2,4,6-Tribromophenol
 Concen: 132.405 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103770.D
 Acq: 19 Mar 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.1	29.9	44.9

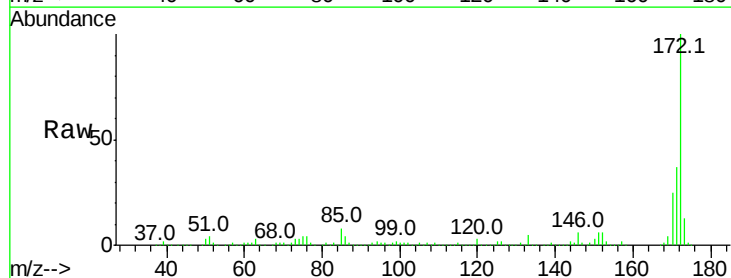


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

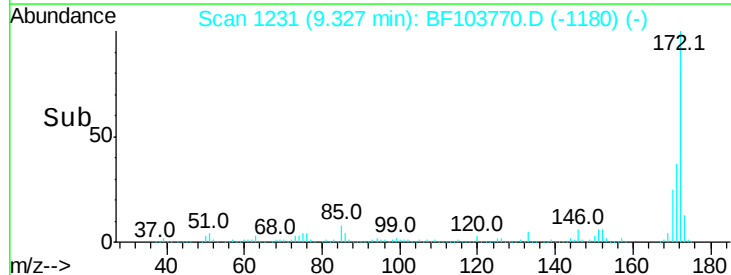
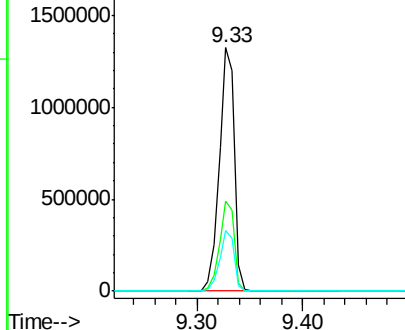


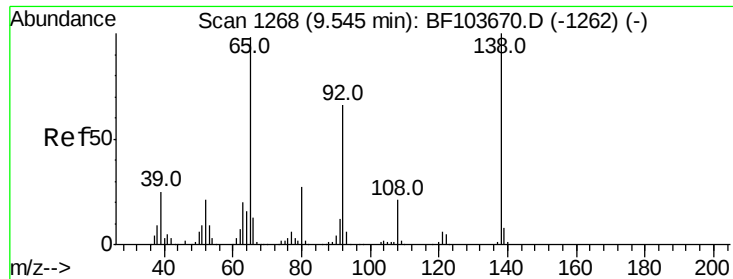
#44
 2-Fluorobiphenyl
 Concen: 83.764 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103770.D
 Acq: 19 Mar 2018 21:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.6	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

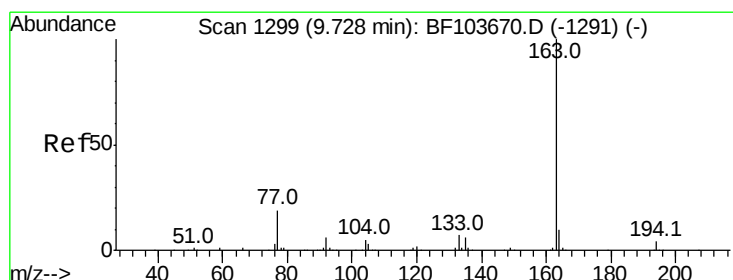
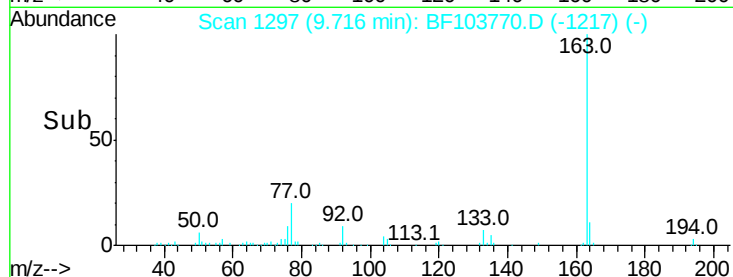
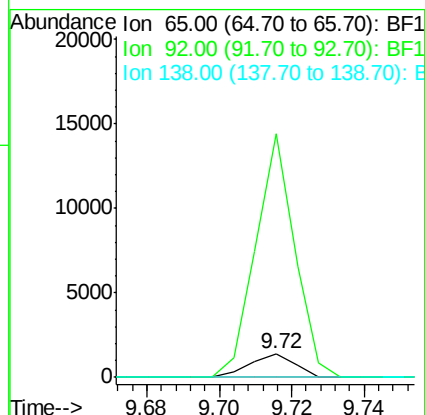
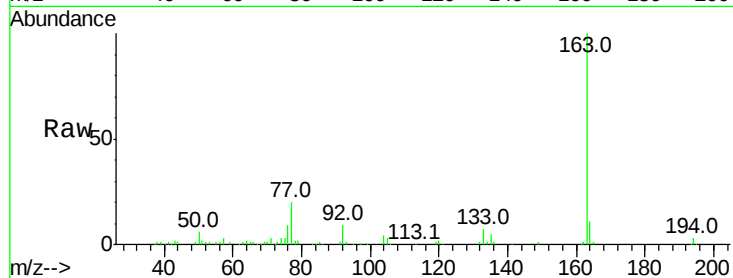




#47
2-Nitroaniline
Concen: 7.048 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

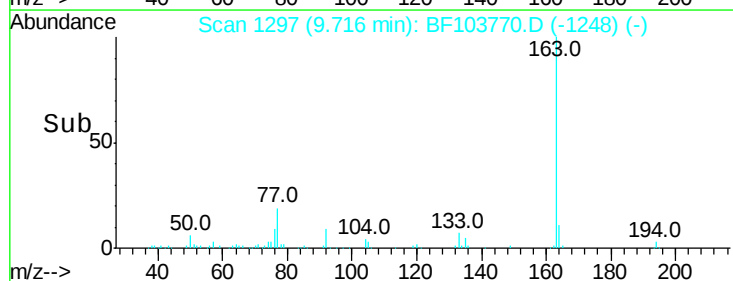
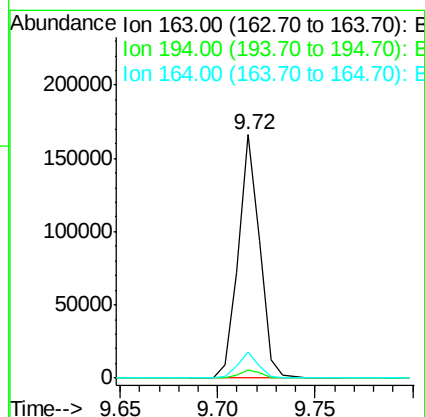
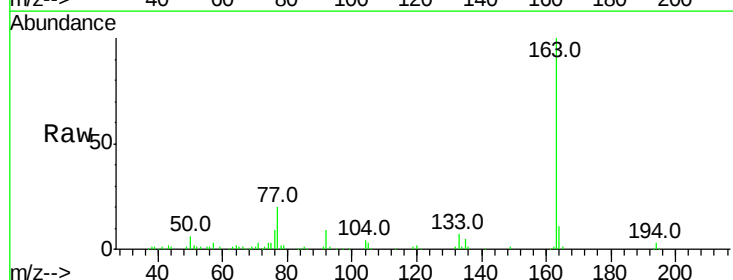
Instrument :
BNA_F
ClientSampleId :

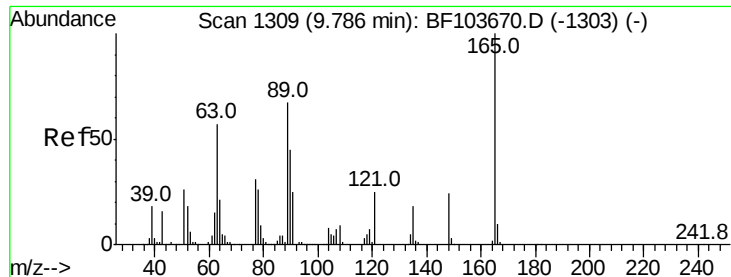
Tot Ion: 65 Resp: 1197
Ion Ratio Lower Upper
65 100
92 1022.1 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 6.532 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103770.D
Acq: 19 Mar 2018 21:51

Tgt Ion: 163 Resp: 126487
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.6 8.2 12.2

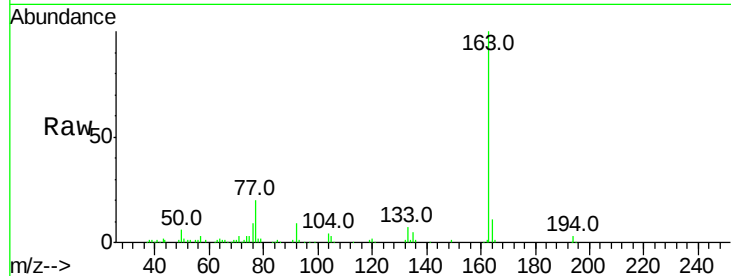




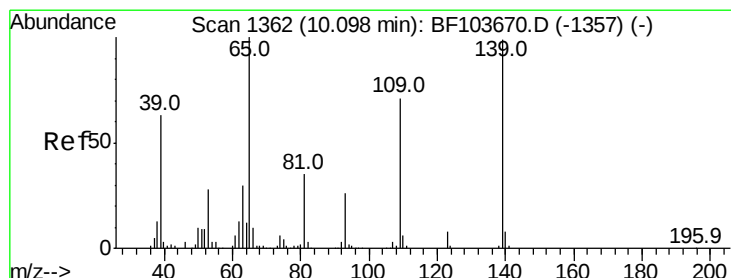
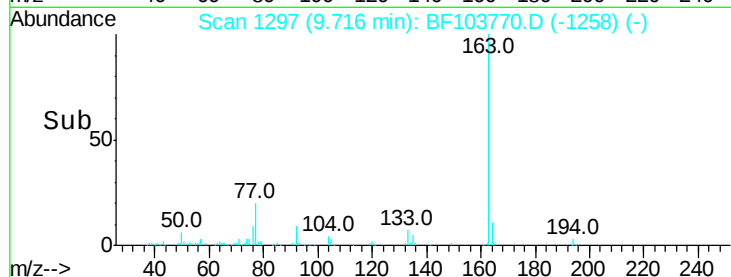
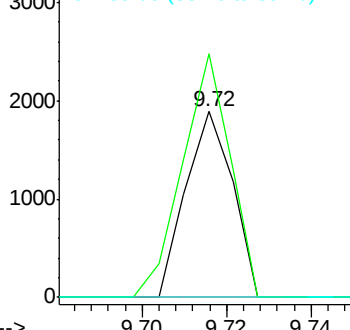
#50
 2,6-Dinitrotoluene
 Concen: 4.340 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.07 min
 Lab File: BF103770.D
 Acq: 19 Mar 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1454
 Ion Ratio Lower Upper
 165 100
 63 131.2 44.7 67.1#
 89 0.0 44.0 66.0#

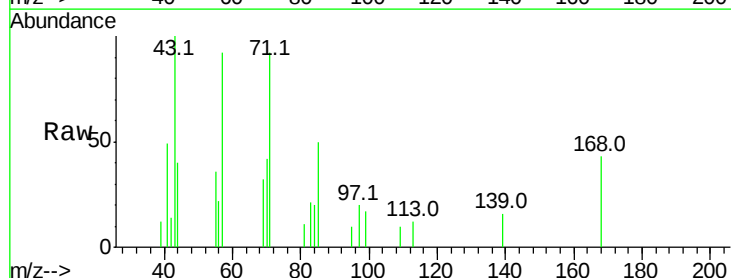


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

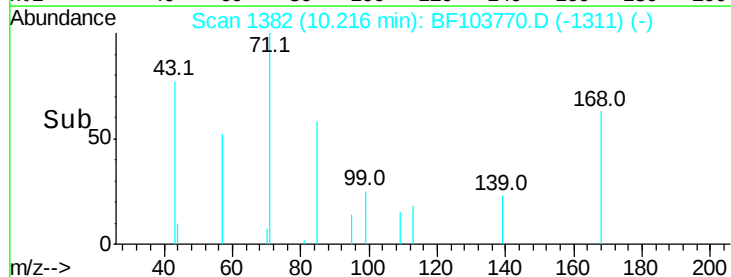
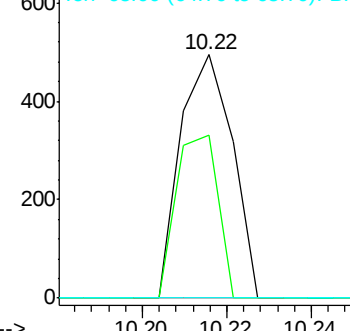


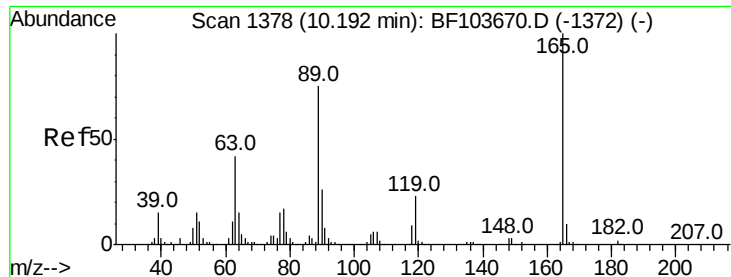
#55
 4-Nitrophenol
 Concen: 5.081 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: BF103770.D
 Acq: 19 Mar 2018 21:51

Tgt Ion:139 Resp: 422
 Ion Ratio Lower Upper
 139 100
 109 66.7 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: 12.098 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.18 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 32078

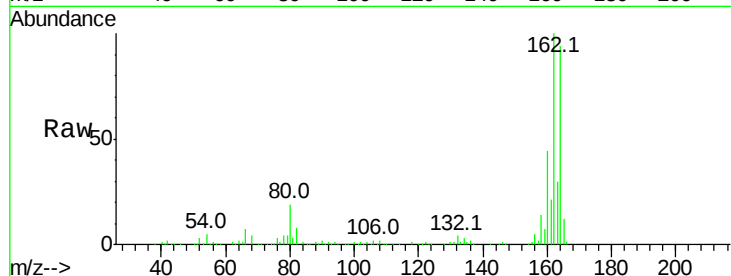
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

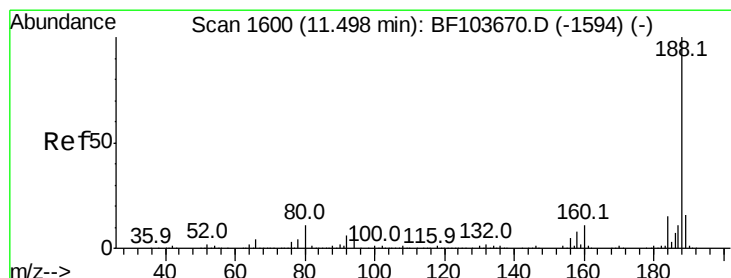
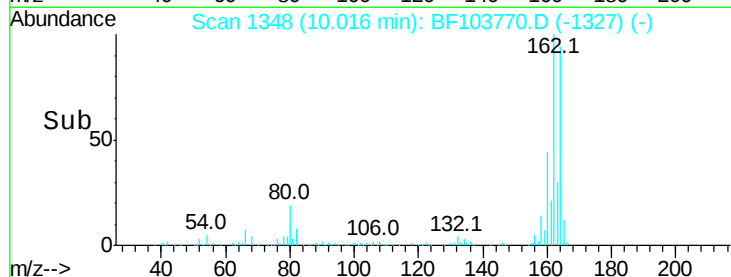
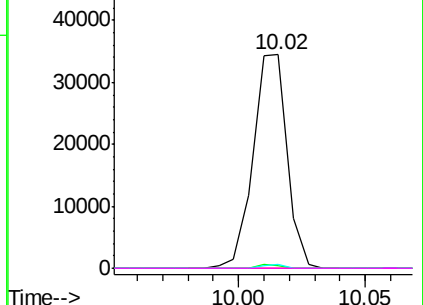


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

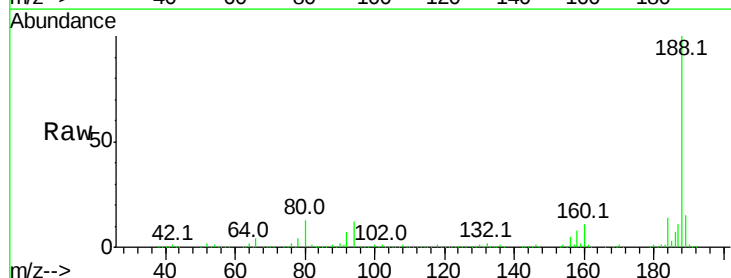
Tgt Ion:188 Resp: 392601

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

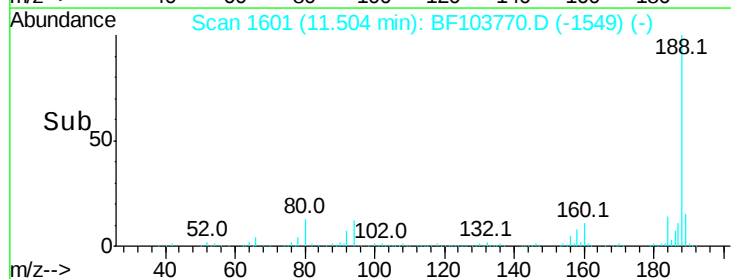
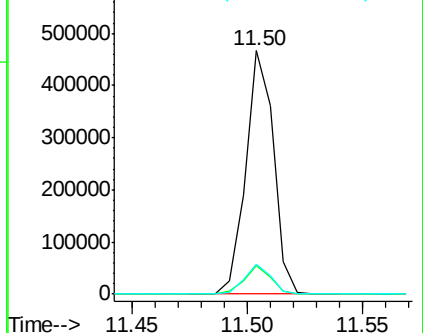
80 12.5 9.2 13.8

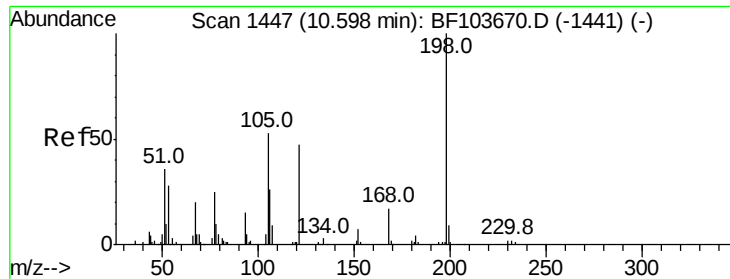


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.541 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :

BNA_F

ClientSampleId :

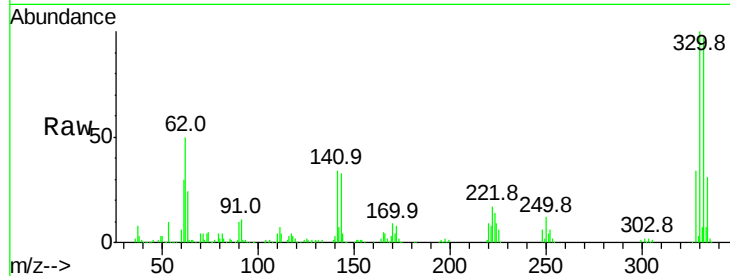
Tot Ion:198 Resp: 556

Ion Ratio Lower Upper

198 100

51 226.0 37.7 77.7#

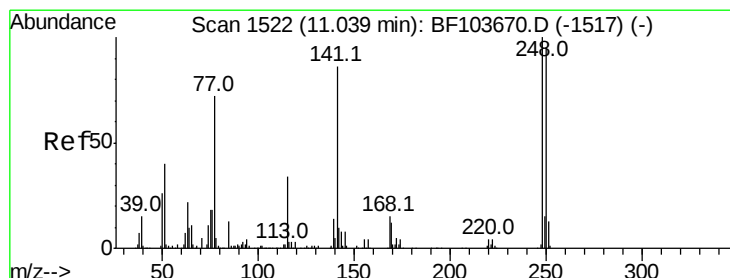
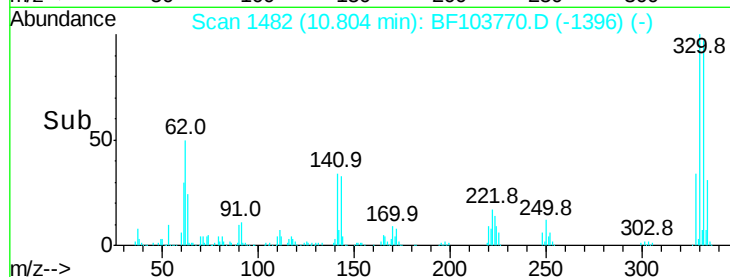
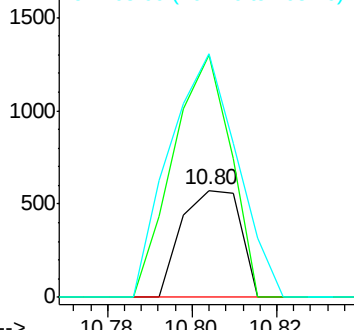
105 227.4 36.3 76.3#



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: 4.323 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

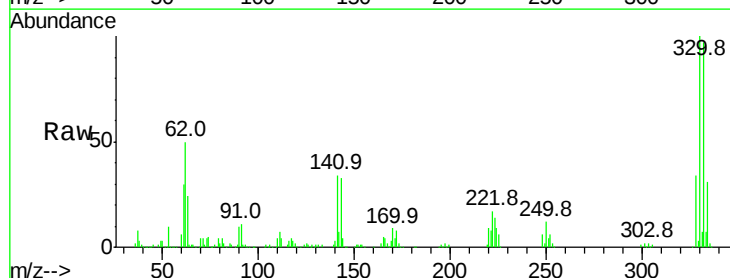
Tgt Ion:248 Resp: 17427

Ion Ratio Lower Upper

248 100

250 201.9 76.9 115.3#

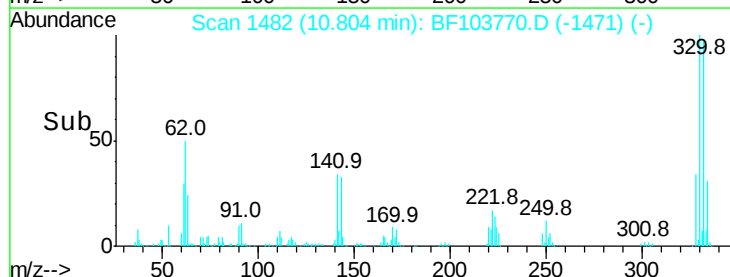
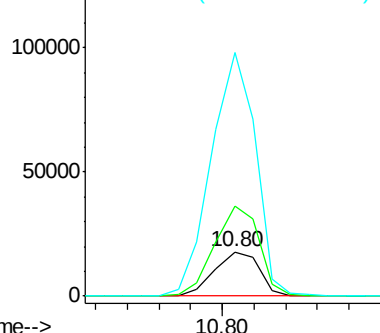
141 547.6 74.4 111.6#

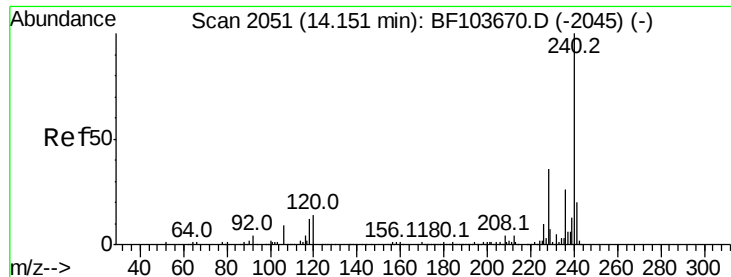


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :

BNA_F

ClientSampleId :

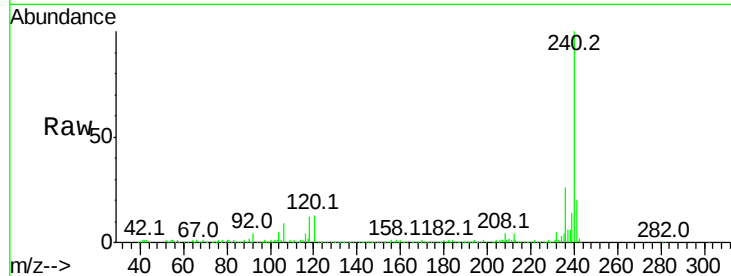
Tot Ion:240 Resp: 313842

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

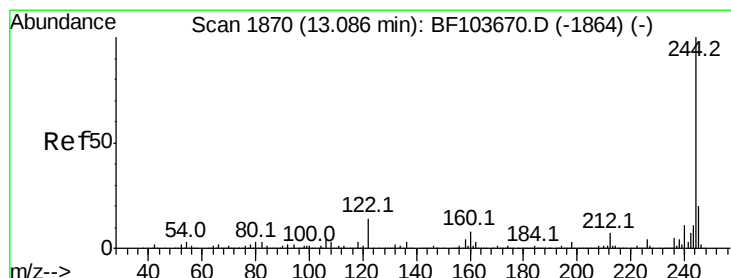
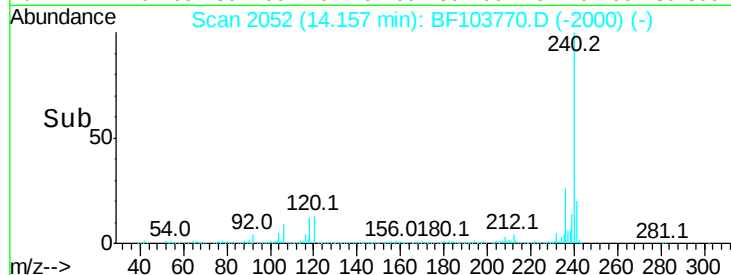
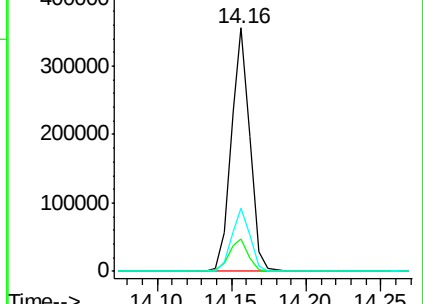
236 25.8 20.7 31.1



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: 78.705 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

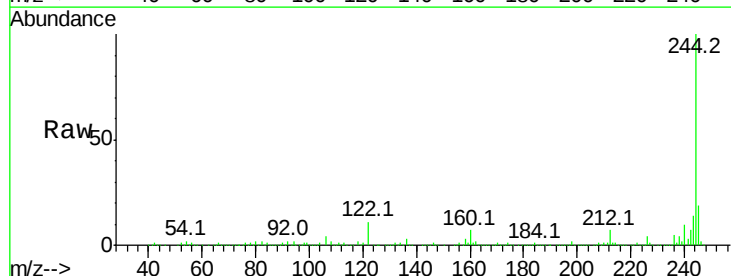
Tgt Ion:244 Resp: 1064174

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

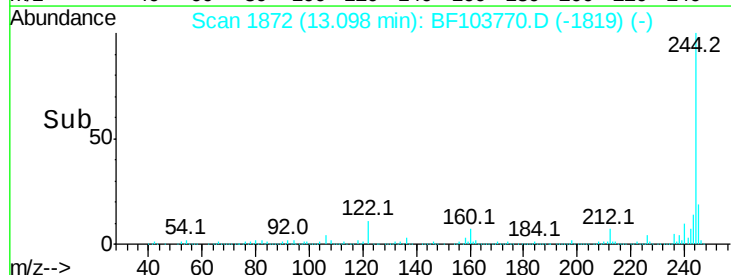
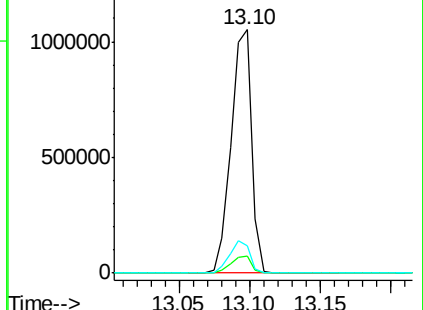
122 11.3 11.0 16.4

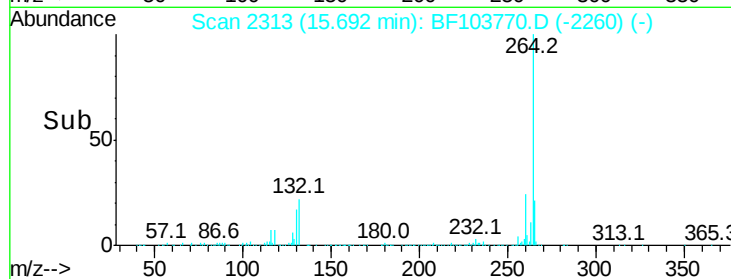
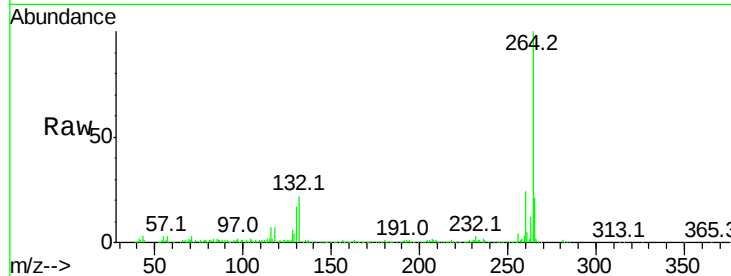
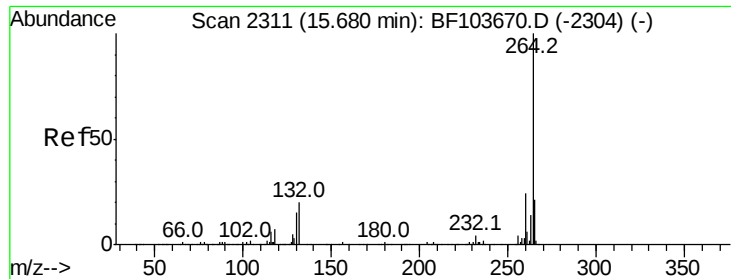


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF103770.D

Acq: 19 Mar 2018 21:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 248751

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.4 17.5 26.3

