

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101940.D
 Acq On : 5 Jan 2018 19:56
 Operator : SJ/JU
 Sample : J1032-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 21:40:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

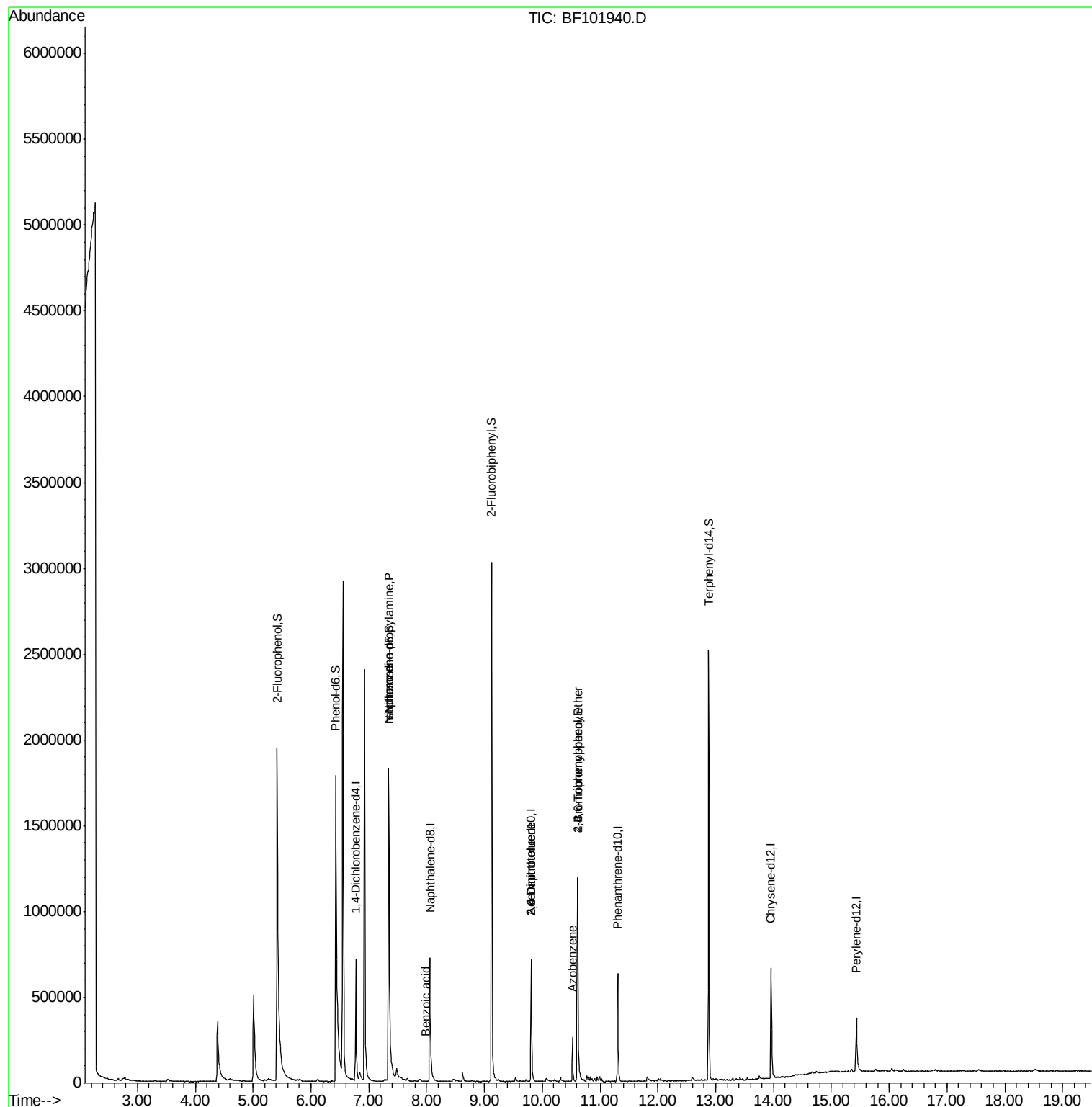
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	124919	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	458500	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	159115	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	257161	20.00	ng	0.00
75) Chrysene-d12	13.96	240	261587	20.00	ng	0.00
86) Perylene-d12	15.43	264	197430	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1063440	126.81	ng	0.01
7) Phenol-d6	6.43	99	1156671	110.82	ng	0.00
23) Nitrobenzene-d5	7.35	82	813733	98.79	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	168230	109.72	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1088653	106.13	ng	0.00
78) Terphenyl-d14	12.88	244	855886	78.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	108400	15.815	ng	# 84
25) Isophorone	7.35	82	813729	49.247	ng	# 64
32) Benzoic acid	7.99	122	1092	8.164	ng	# 92
50) 2,6-Dinitrotoluene	9.81	165	20406	7.845	ng	# 26
56) 2,4-Dinitrotoluene	9.81	165	20406	6.963	ng	# 24
62) Azobenzene	10.52	77	49179	3.746	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	10857	3.757	ng	# 1

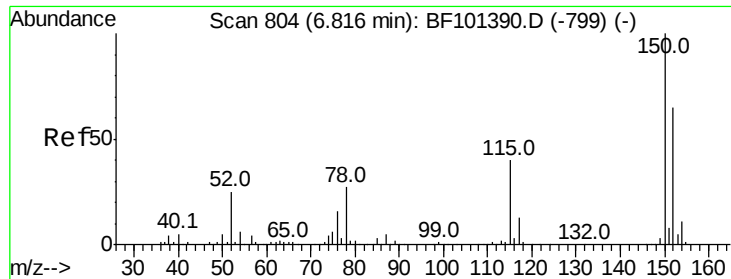
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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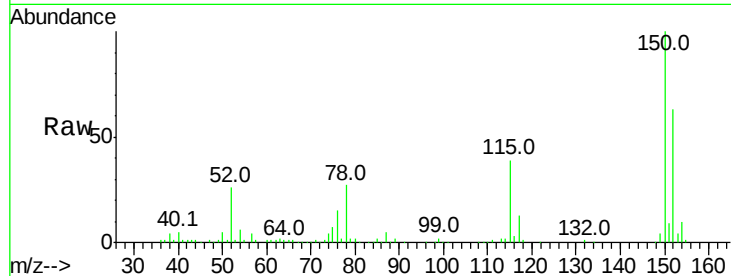


#1

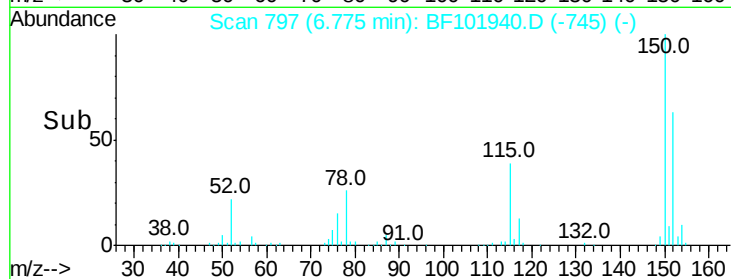
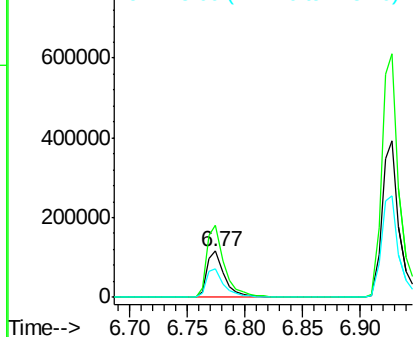
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF101940.D
Acq: 5 Jan 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124919
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 61.3 50.1 75.1



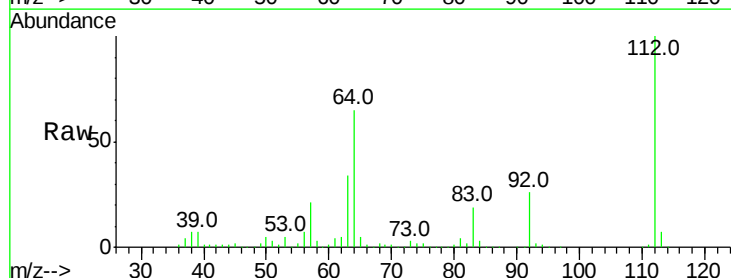
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



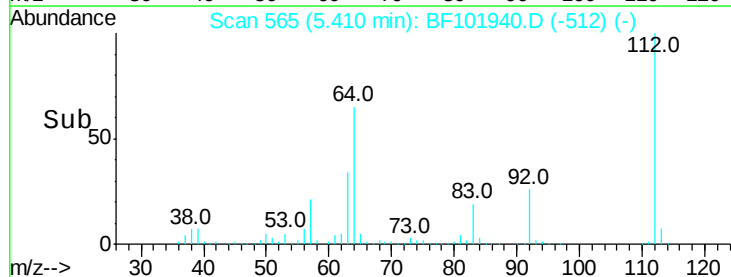
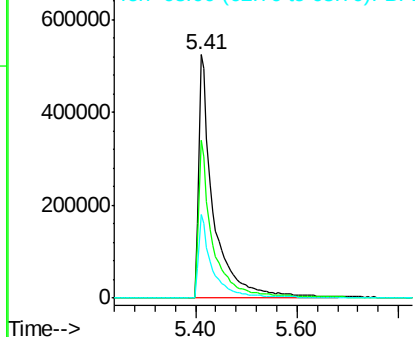
#5

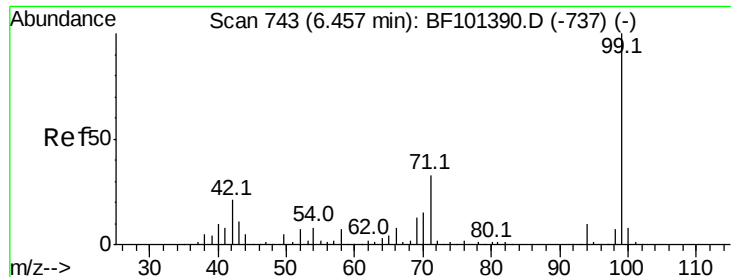
2-Fluorophenol
Concen: 126.808 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101940.D
Acq: 5 Jan 2018 19:56

Tgt Ion:112 Resp: 1063440
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 34.3 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: 110.825 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

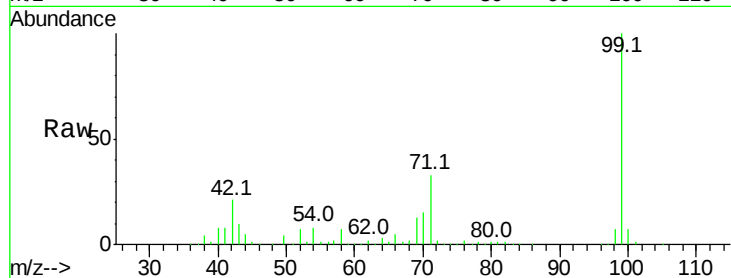
Tot Ion: 99 Resp: 1156671

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

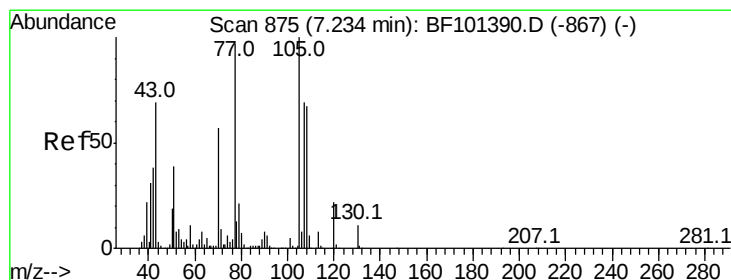
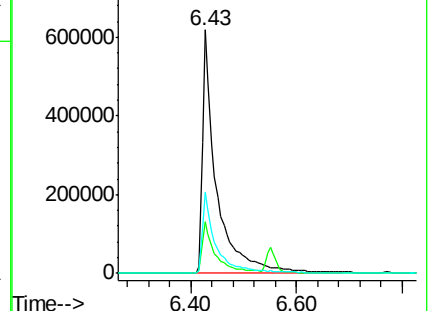
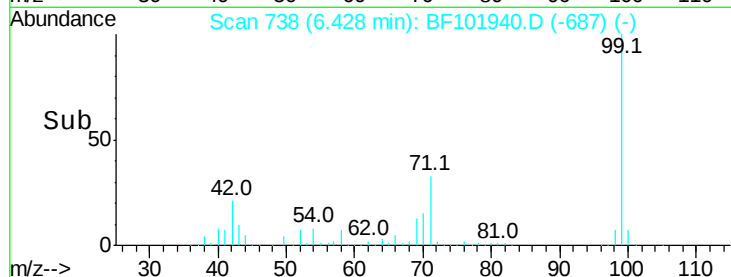
71 33.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.815 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.15 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Tgt Ion: 70 Resp: 108400

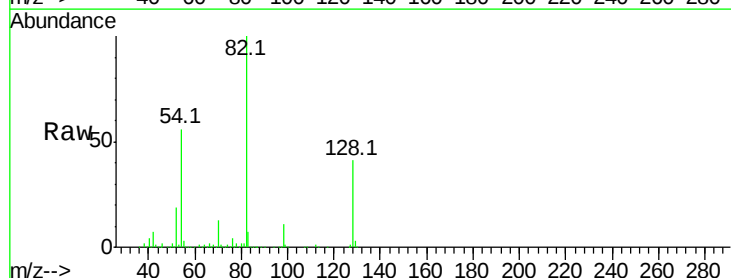
Ion Ratio Lower Upper

70 100

42 54.9 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 16.6 25.0#

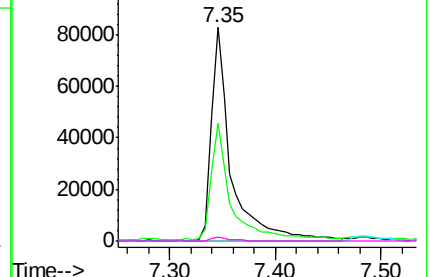
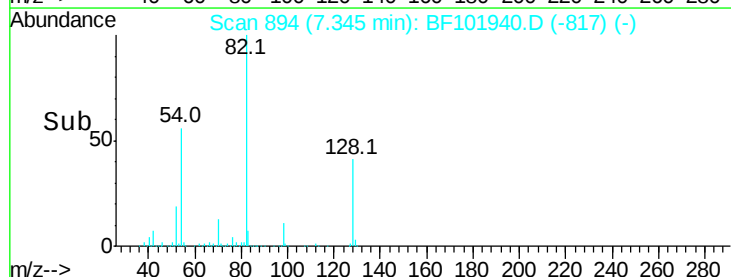


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

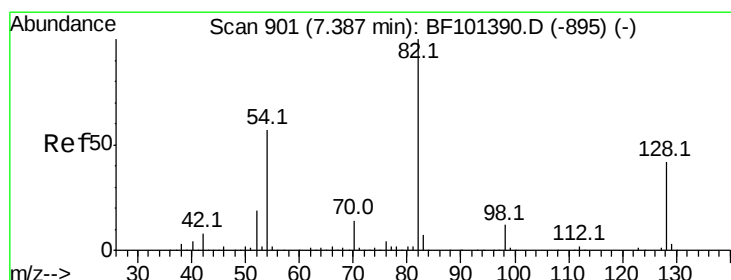
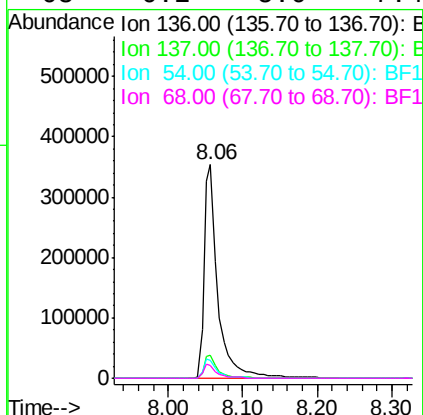
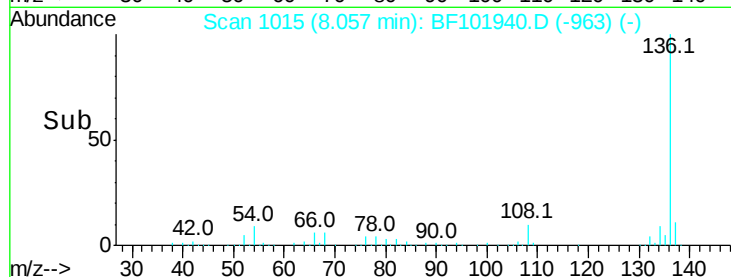
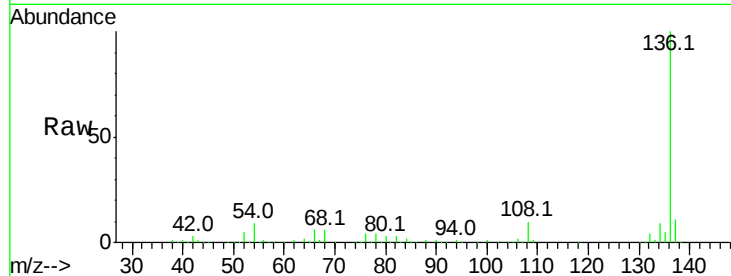




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF101940.D
Acq: 5 Jan 2018 19:56

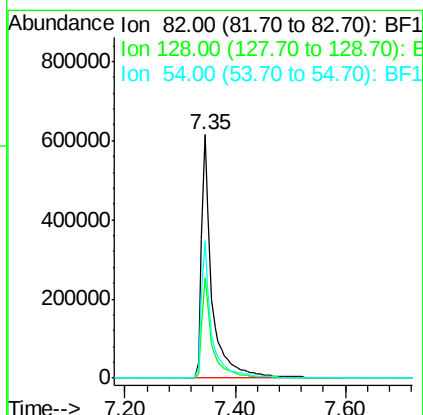
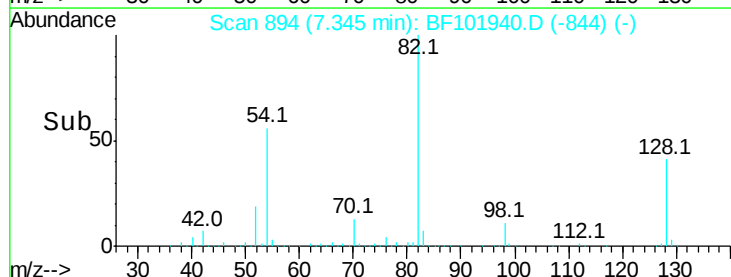
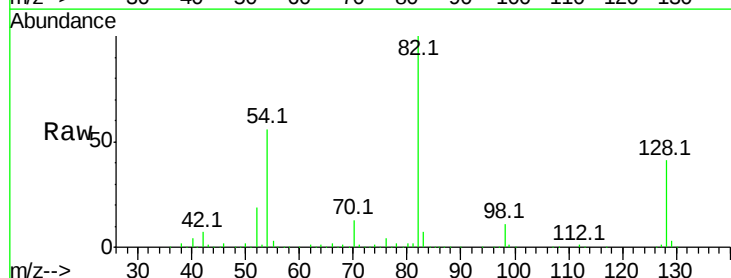
Instrument :
BNA_F
ClientSampleId :

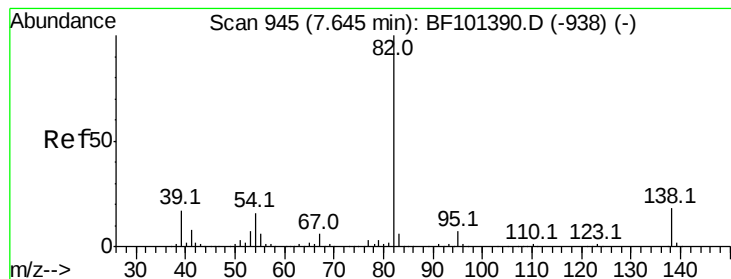
Tot Ion:	136	Resp:	458500
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 98.794 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101940.D
Acq: 5 Jan 2018 19:56

Tgt Ion:	82	Resp:	813733
Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	56.2	41.4	62.2





#25

Isophorone

Concen: 49.247 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

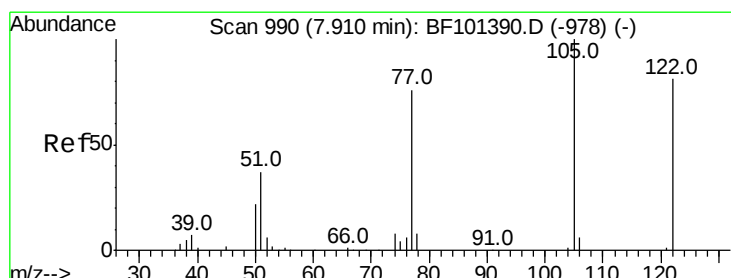
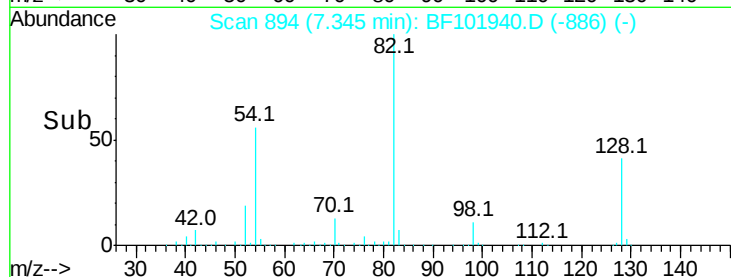
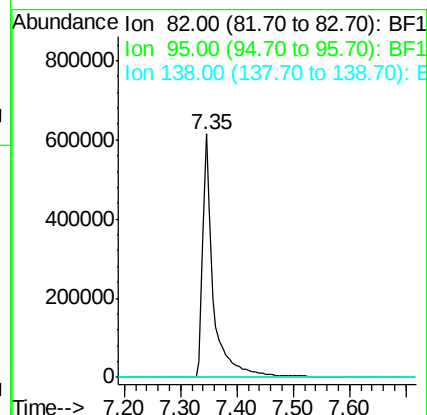
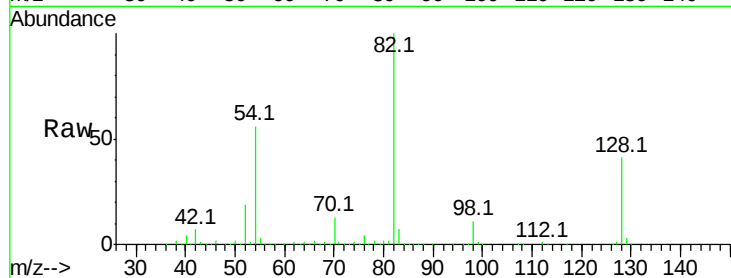
Tot Ion: 82 Resp: 813729

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.164 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.08 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

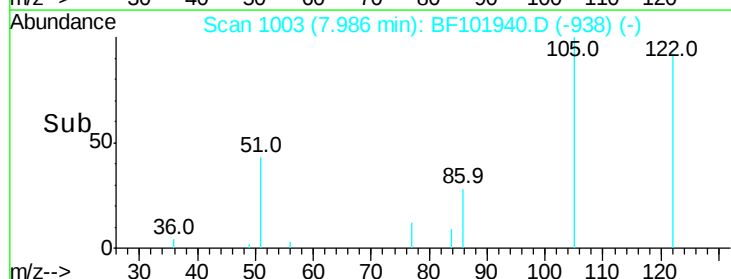
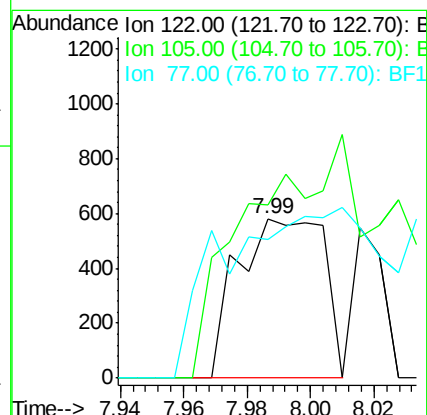
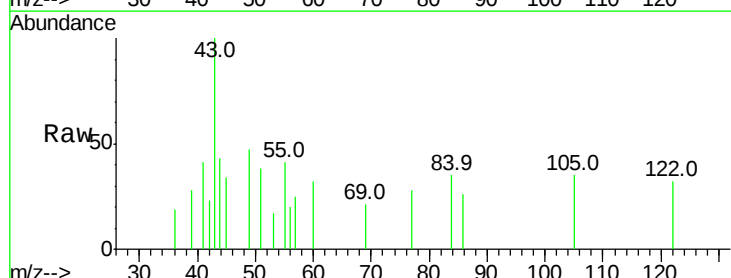
Tgt Ion: 122 Resp: 1092

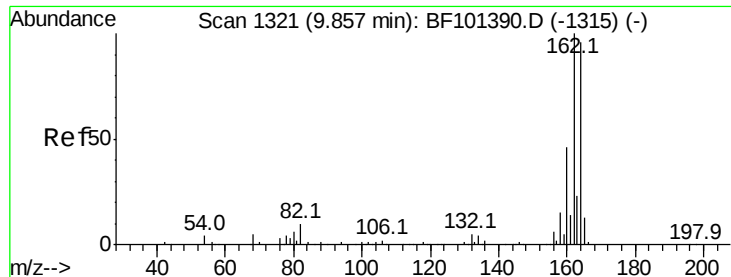
Ion Ratio Lower Upper

122 100

105 108.8 101.1 141.1

77 86.9 70.7 110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

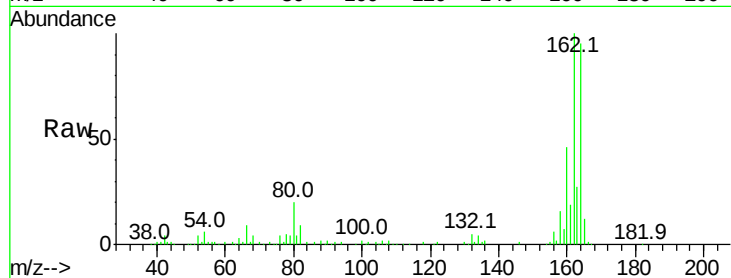
Tot Ion:164 Resp: 159115

Ion Ratio Lower Upper

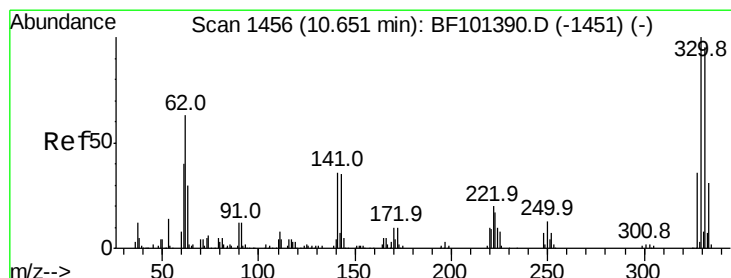
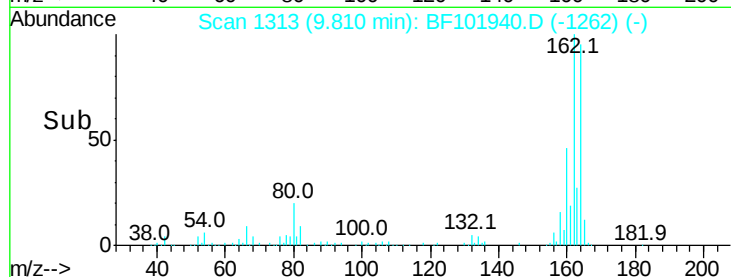
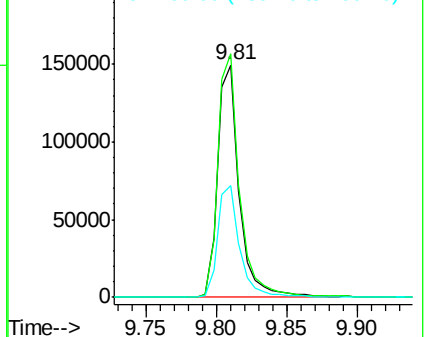
164 100

162 104.9 86.1 129.1

160 48.0 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: 109.725 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

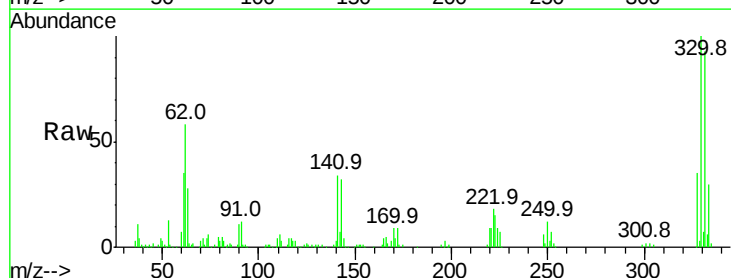
Tgt Ion:330 Resp: 168230

Ion Ratio Lower Upper

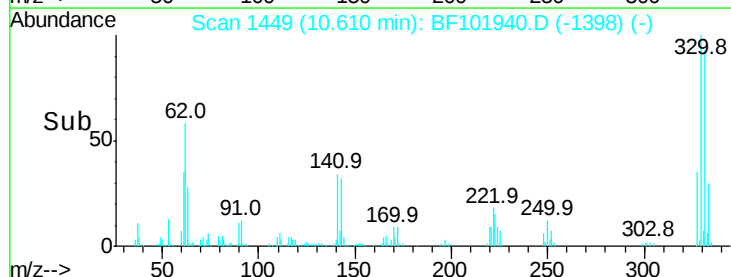
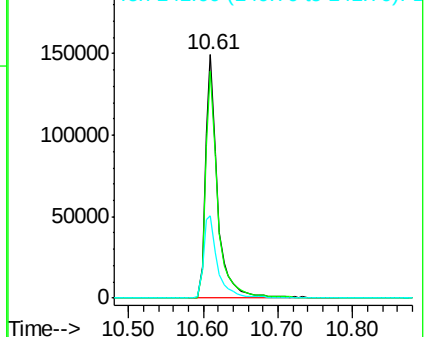
330 100

332 94.9 77.0 115.6

141 40.3 29.9 44.9



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



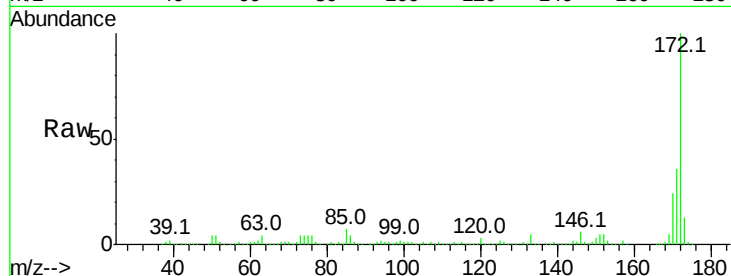


#44
 2-Fluorobiphenyl
 Concen: 106.135 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF101940.D
 Acq: 5 Jan 2018 19:56

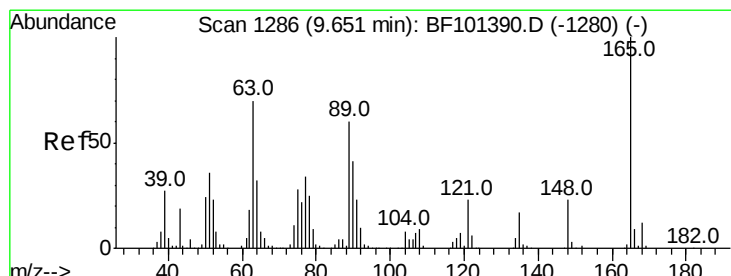
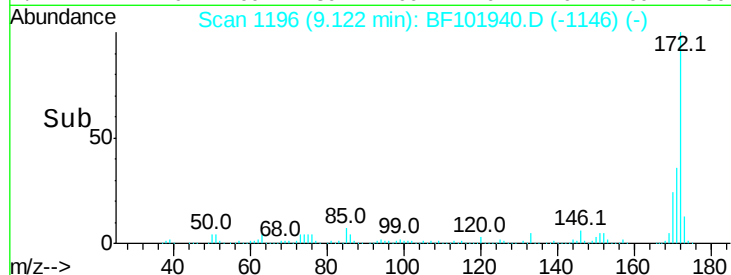
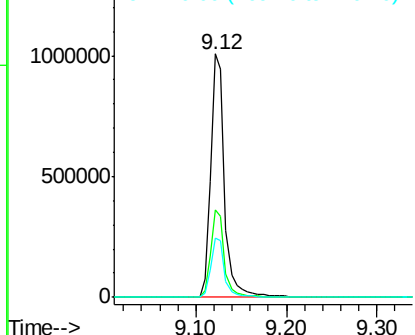
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1088653

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	19.6	29.4



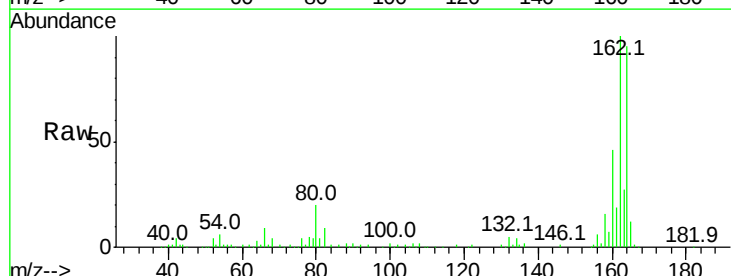
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



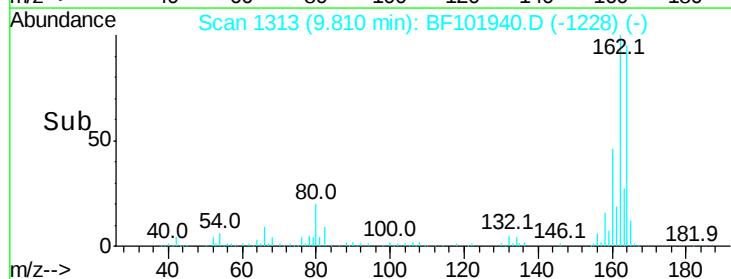
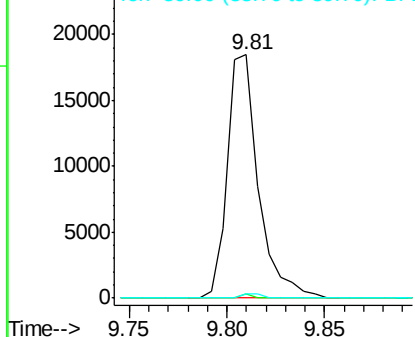
#50
 2,6-Dinitrotoluene
 Concen: 7.845 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101940.D
 Acq: 5 Jan 2018 19:56

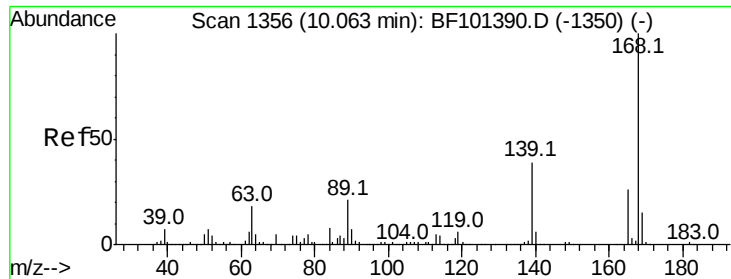
Tgt Ion:165 Resp: 20406

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.7	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

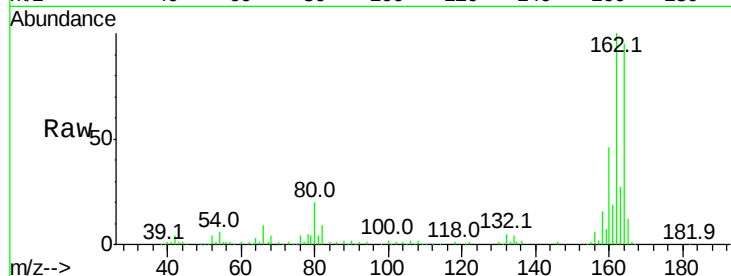




#56
 2,4-Dinitrotoluene
 Concen: 6.963 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.22 min
 Lab File: BF101940.D
 Acq: 5 Jan 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	20406
Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.7	57.8	86.6#
182	2.3	1.6	2.4

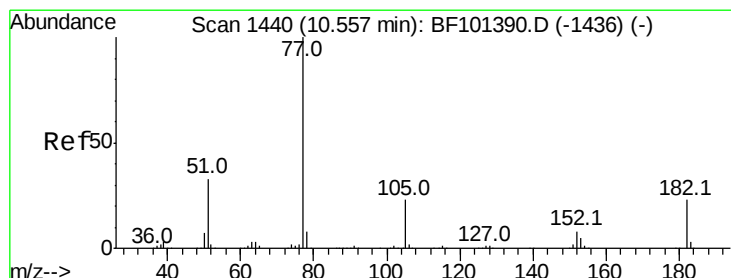
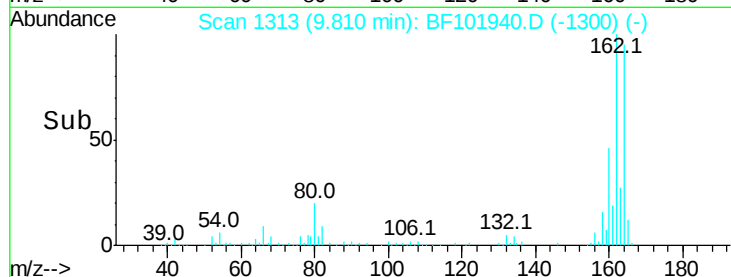
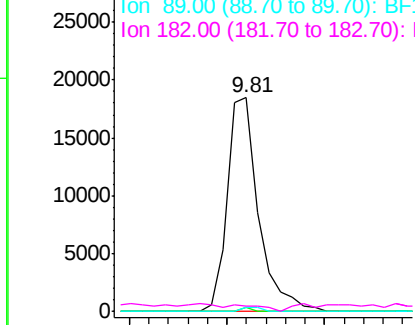


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

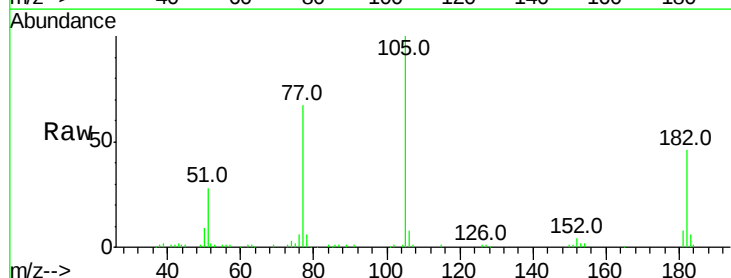
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 3.746 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF101940.D
 Acq: 5 Jan 2018 19:56

Tgt Ion:	77	Resp:	49179
Ion	Ratio	Lower	Upper
77	100		
182	67.8	1.7	41.7#
105	148.7	3.0	43.0#
51	41.6	9.9	49.9

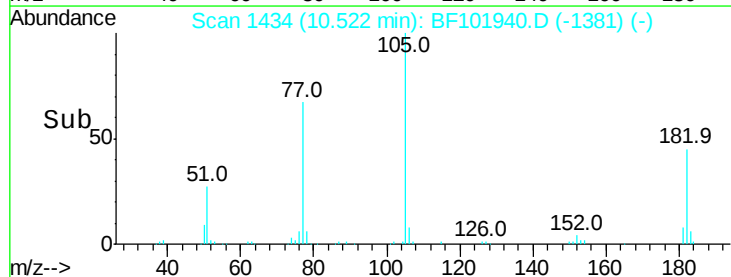
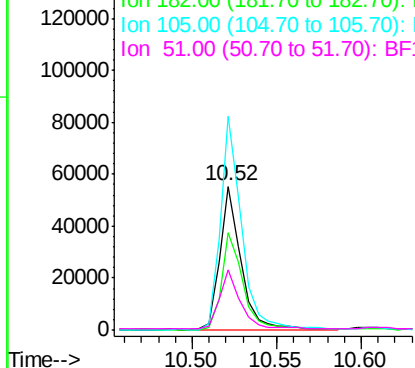


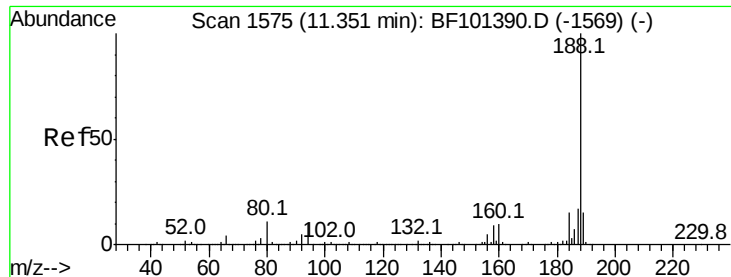
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

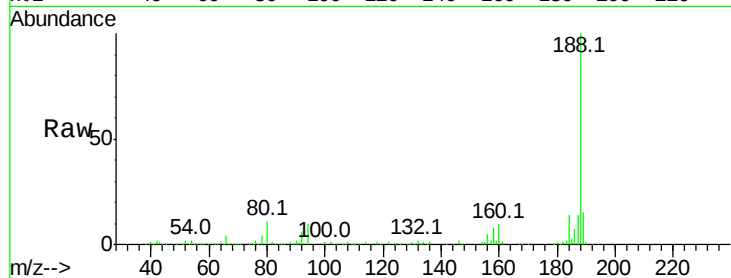
Tot Ion:188 Resp: 257161

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

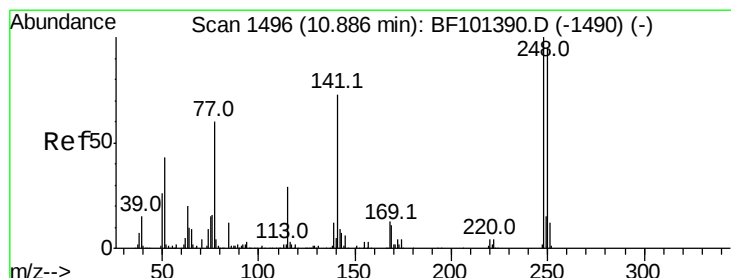
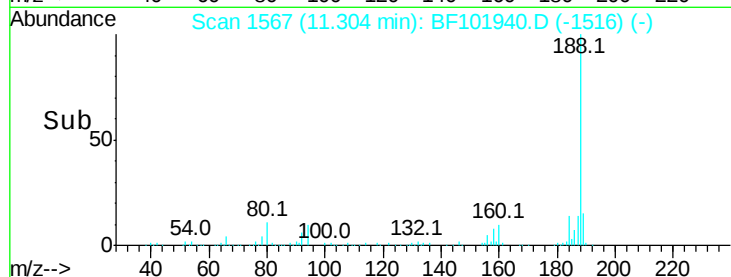
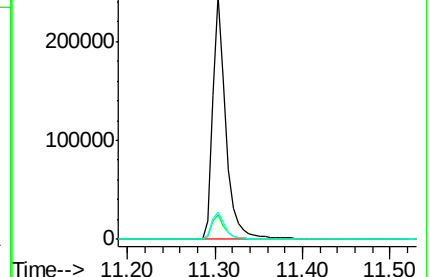
80 11.0 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.757 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.22 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

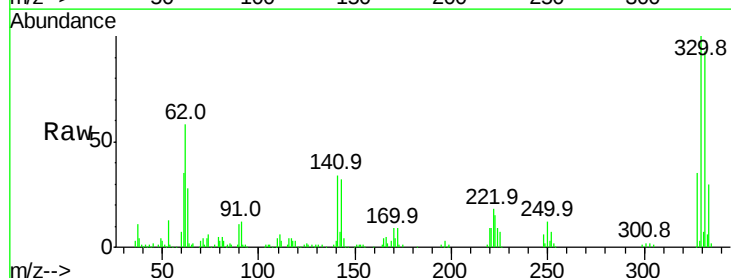
Tgt Ion:248 Resp: 10857

Ion Ratio Lower Upper

248 100

250 198.9 76.9 115.3#

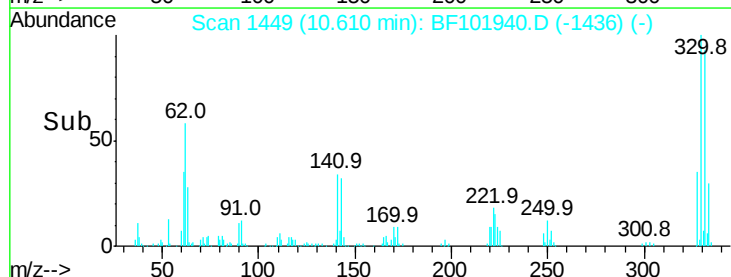
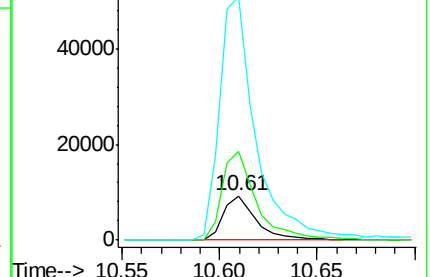
141 546.4 74.4 111.6#

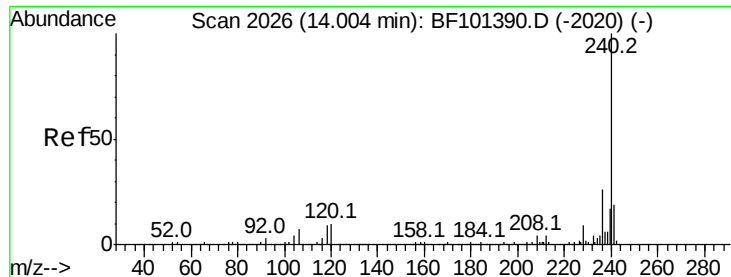


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

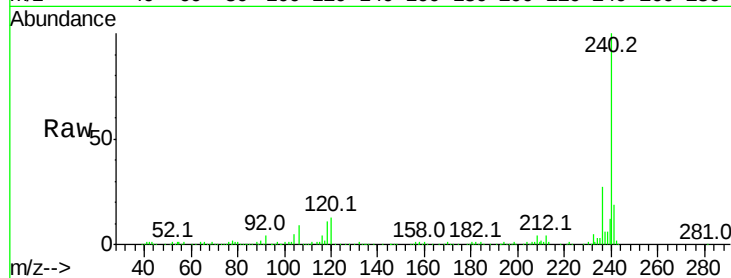
Tot Ion:240 Resp: 261587

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

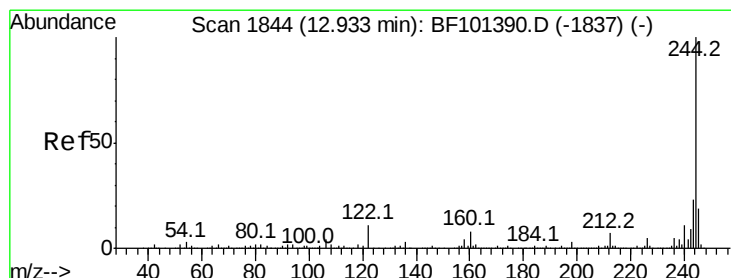
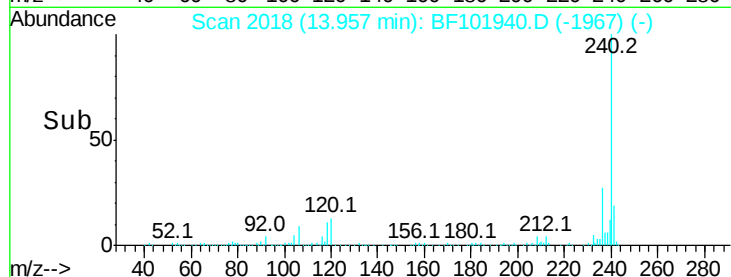
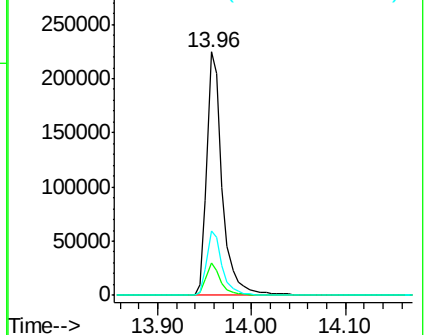
236 26.7 20.7 31.1



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: 78.878 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

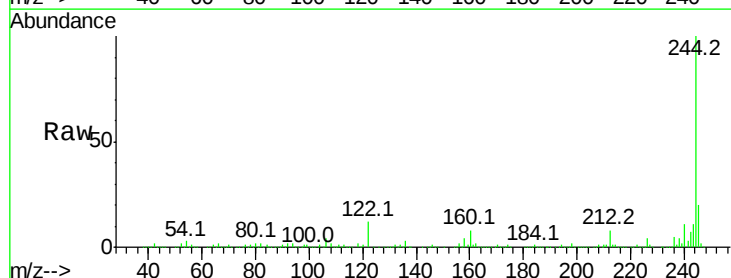
Tgt Ion:244 Resp: 855886

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

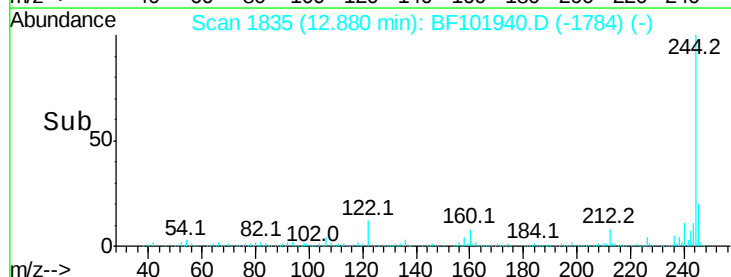
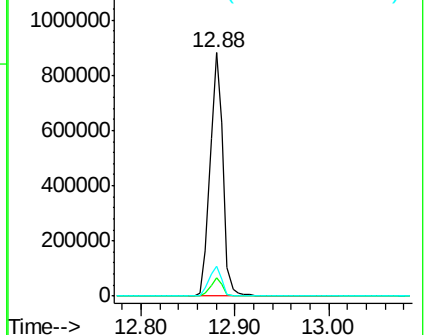
122 12.5 11.0 16.4

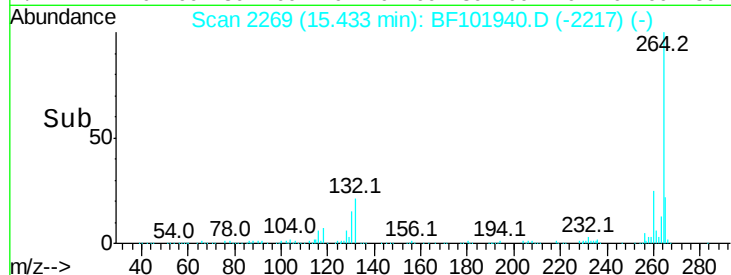
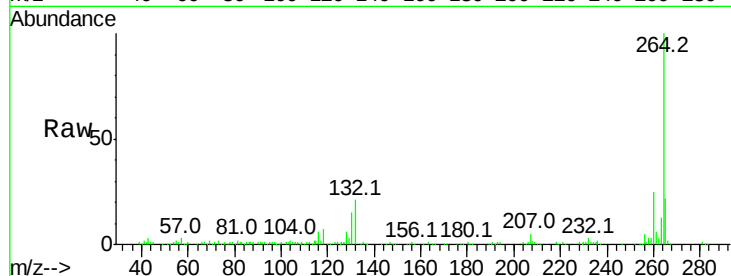
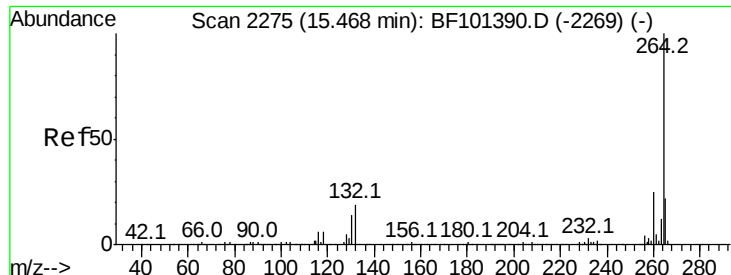


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF101940.D
 Acq: 5 Jan 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	197430
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3

