

Data File : BG036740.D
Acq On : 15 Sep 2018 14:19
Operator : JU/SJ
Sample : J4906-08
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-PIT-1

Quant Time: Sep 17 03:49:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	53991	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	212099	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	144803	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	377963	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	403611	20.00	ng	-0.02
86) Perylene-d12	24.89	264	401621	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	368191	108.18	ng	0.00
7) Phenol-d6	7.21	99	474672	97.41	ng	-0.01
23) Nitrobenzene-d5	9.21	82	355728	91.00	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	245190	141.91	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	828524	81.70	ng	-0.01
78) Terphenyl-d14	20.02	244	1463814	84.77	ng	-0.01

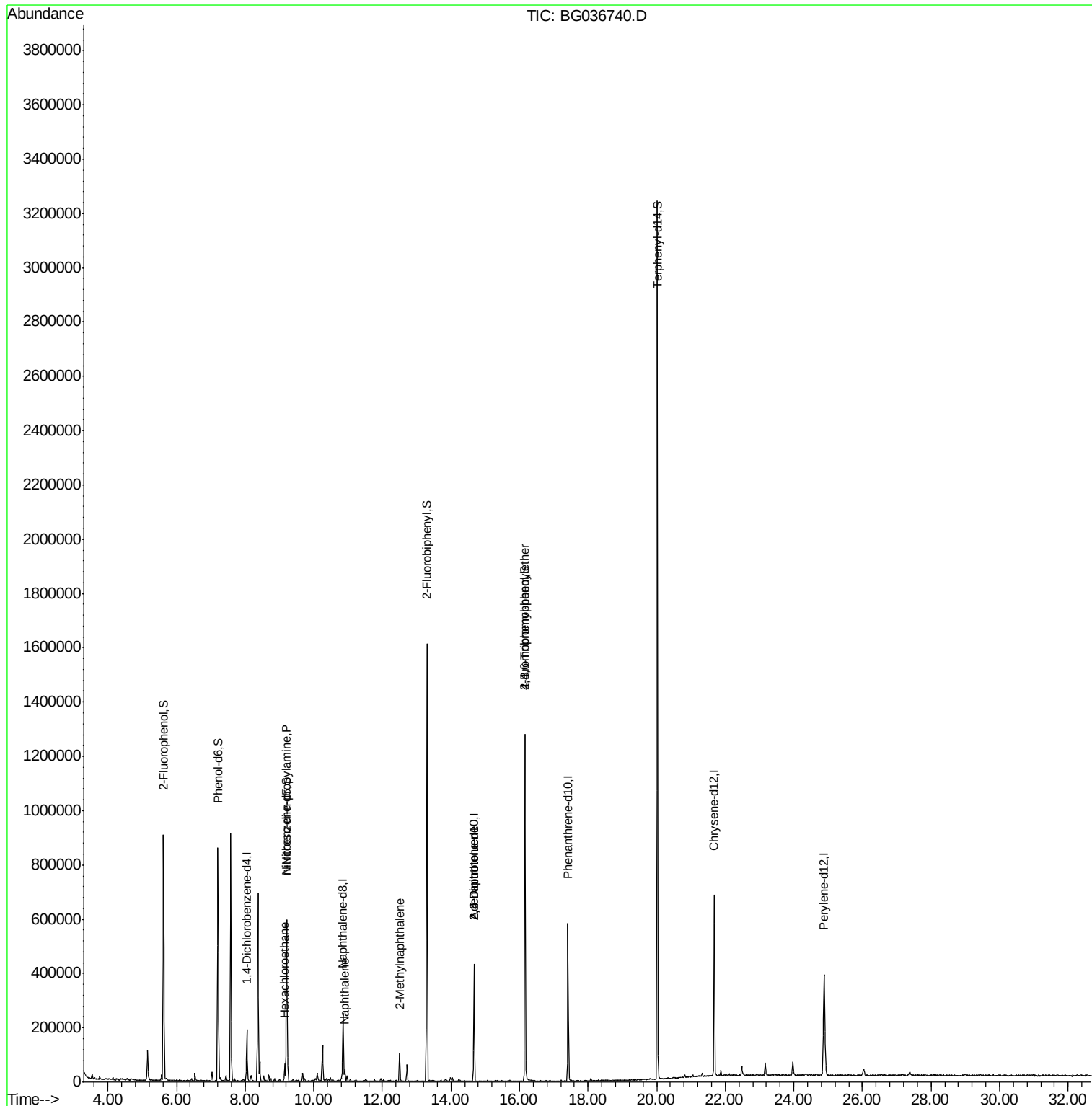
Target Compounds				Qvalue		
18) Hexachloroethane	9.16	117	9300	6.096	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	47121	12.938	ng	# 67
31) Naphthalene	10.91	128	26595	2.508	ng	# 95
37) 2-Methylnaphthalene	12.51	142	49458	6.375	ng	# 97
50) 2,6-Dinitrotoluene	14.67	165	18815	7.733	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	18815	5.933	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	17082	3.860	ng	# 1

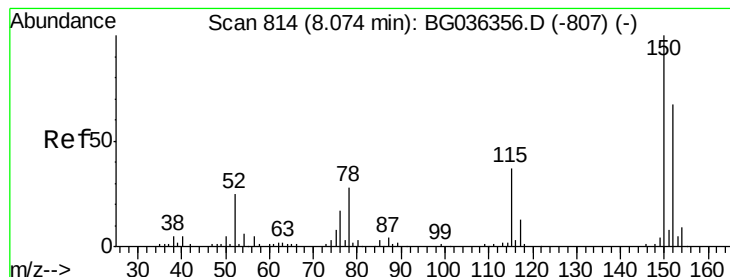
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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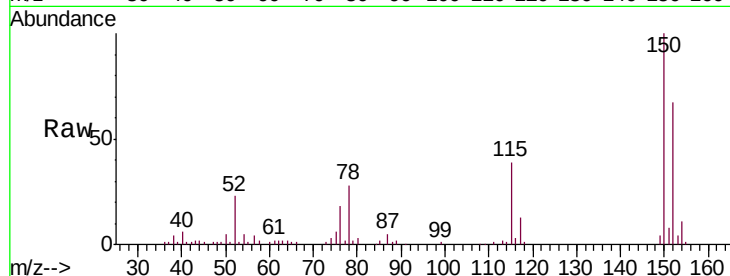


#1

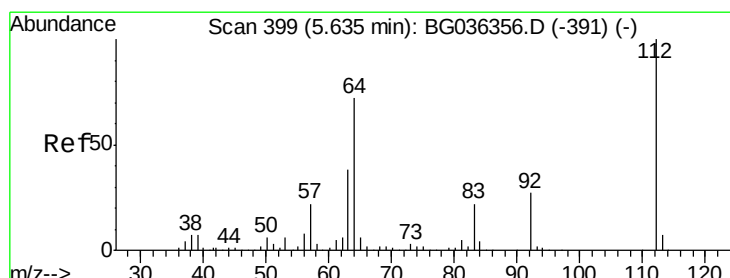
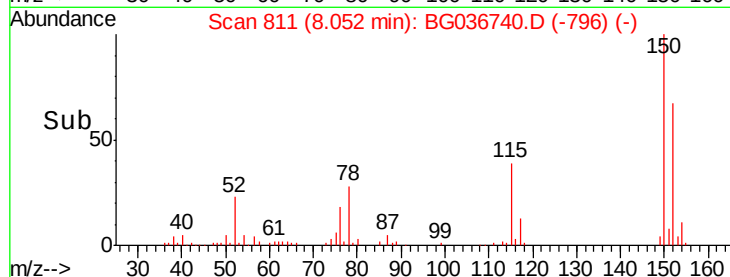
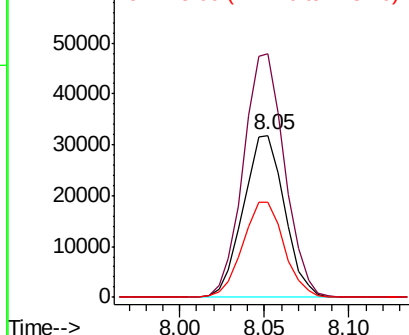
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Instrument :
 BNA_G
 ClientSampled :
 SP-PIT-1

Tgt Ion:152 Resp: 53991
 Ion Ratio Lower Upper
 152 100
 150 150.0 119.5 179.3
 115 58.9 44.5 66.7



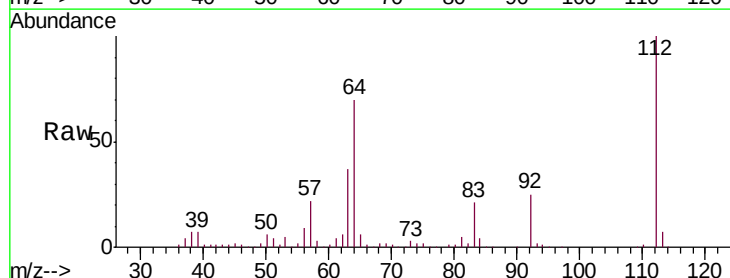
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



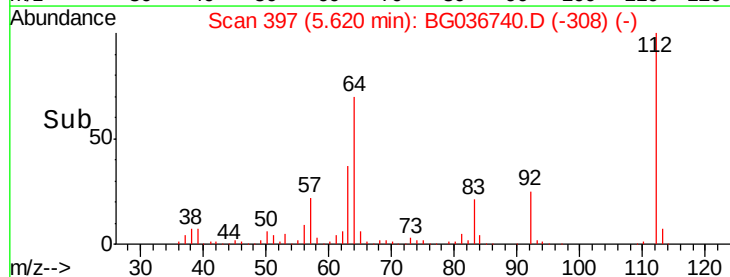
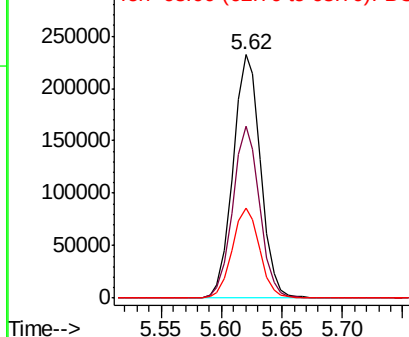
#5

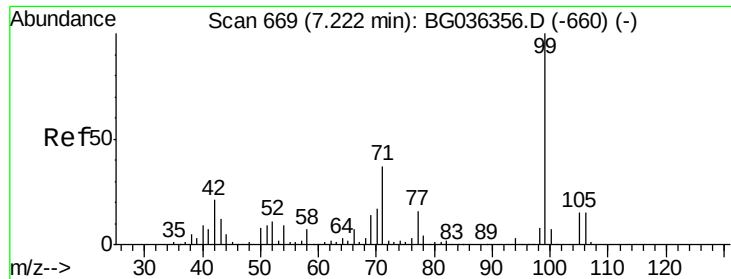
2-Fluorophenol
 Concen: 108.177 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Tgt Ion:112 Resp: 368191
 Ion Ratio Lower Upper
 112 100
 64 70.5 57.2 85.8
 63 36.8 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 97.407 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

Instrument :

BNA_G

ClientSampleId :

SP-PIT-1

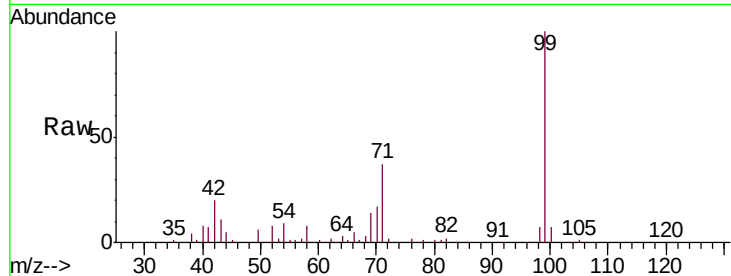
Tgt Ion: 99 Resp: 474672

Ion Ratio Lower Upper

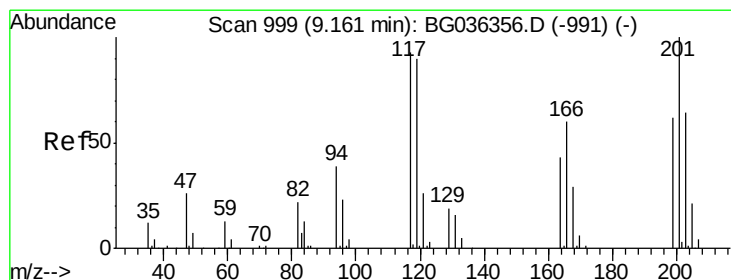
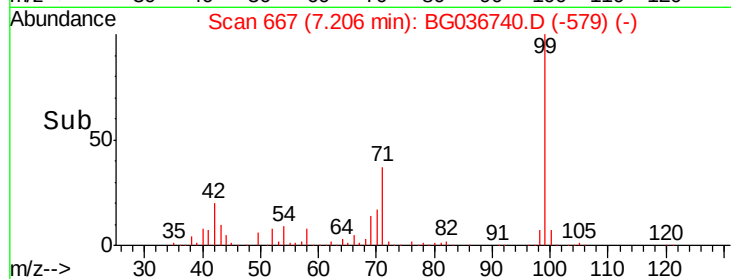
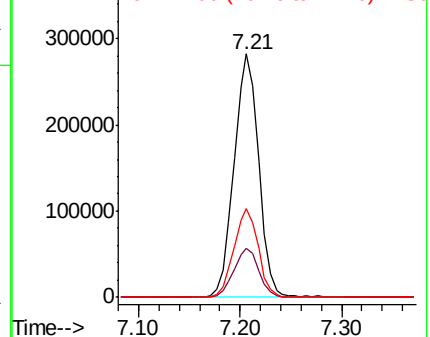
99 100

42 20.3 16.5 24.7

71 36.6 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#18

Hexachloroethane

Concen: 6.096 ng

RT: 9.16 min Scan# 999

Delta R.T. 0.01 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

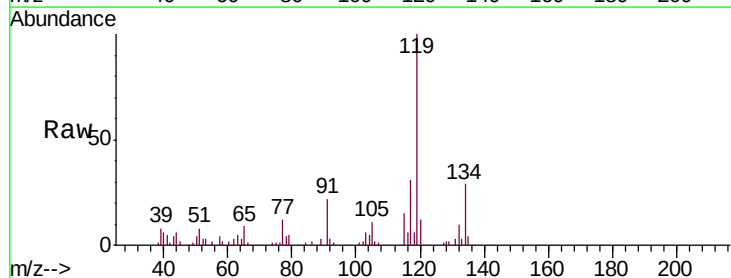
Tgt Ion: 117 Resp: 9300

Ion Ratio Lower Upper

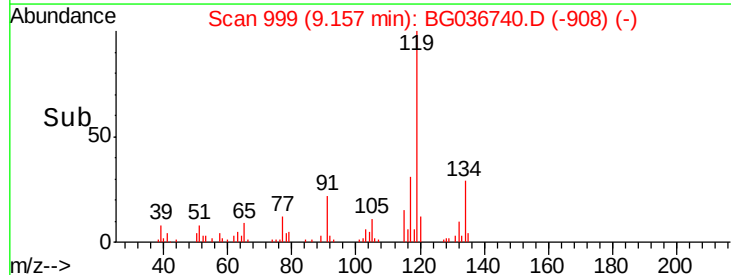
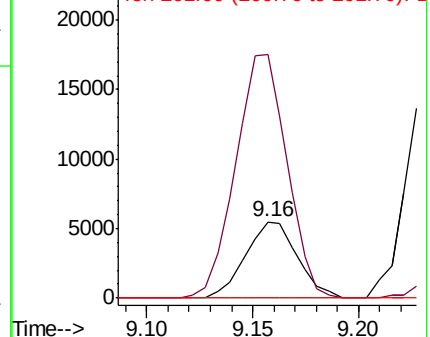
117 100

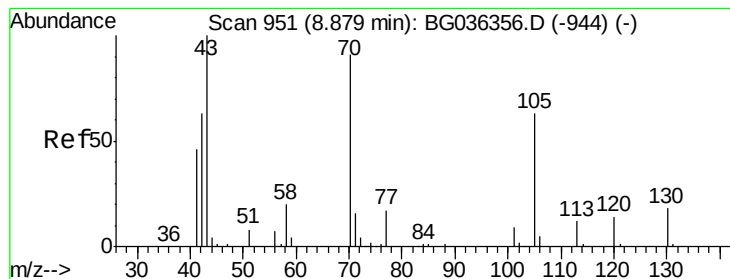
119 318.3 76.8 115.2#

201 0.0 85.7 128.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 12.938 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

Instrument :

BNA_G

ClientSampleId :

SP-PIT-1

Tgt Ion: 70 Resp: 47121

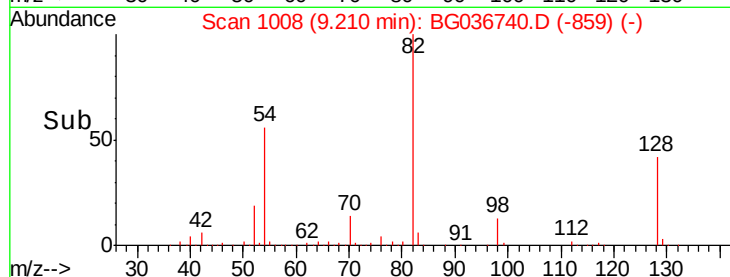
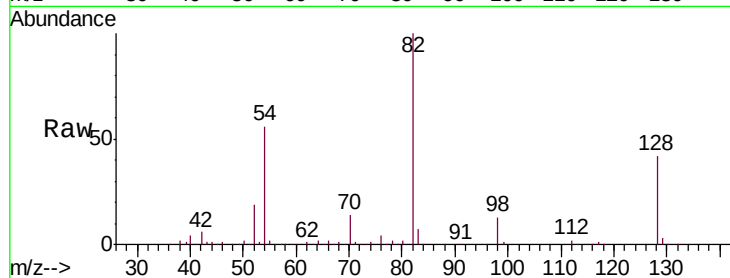
Ion Ratio Lower Upper

70 100

42 44.3 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

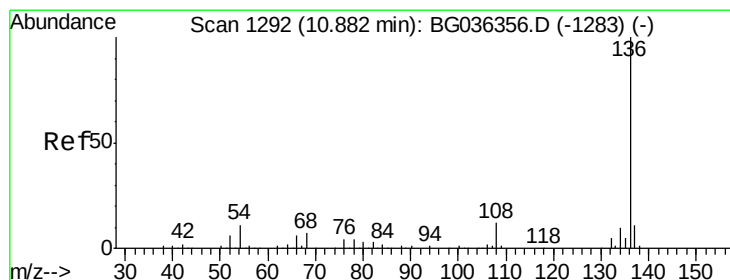
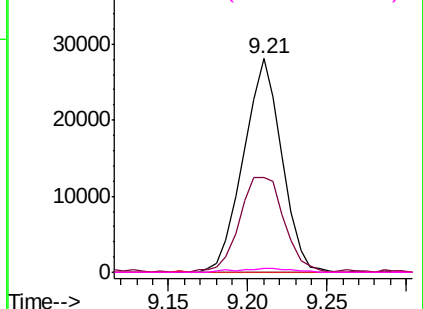


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

Tgt Ion: 136 Resp: 212099

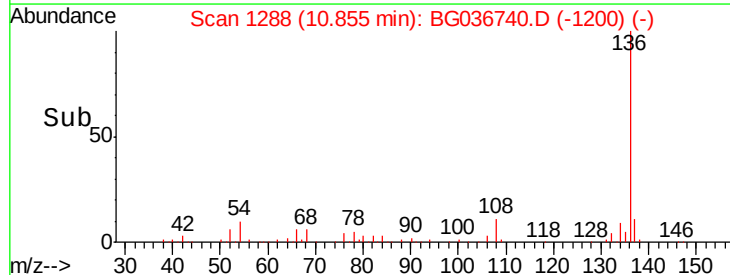
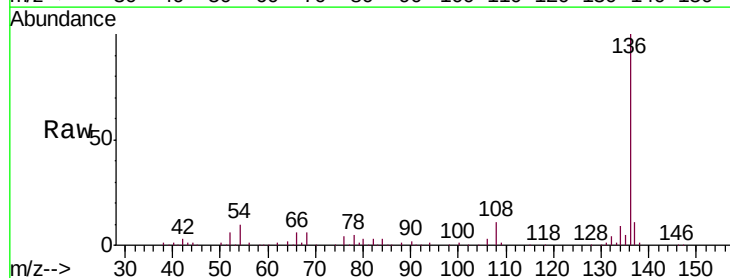
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.8 9.2 13.8

68 6.2 5.8 8.6

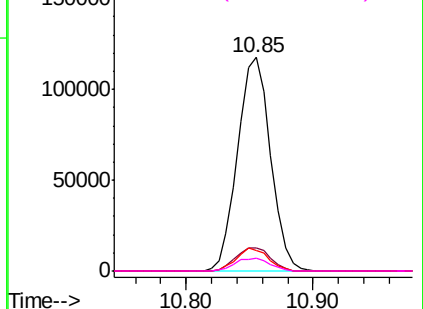


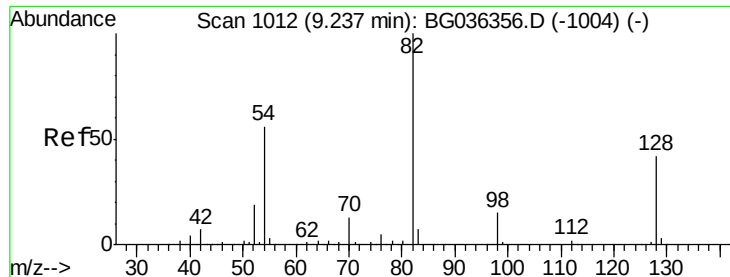
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

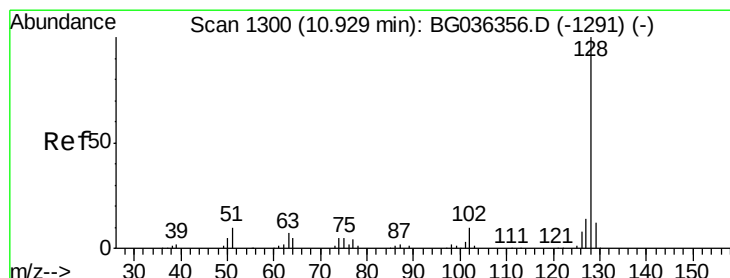
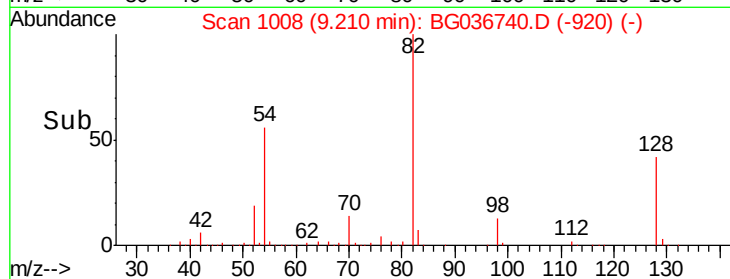
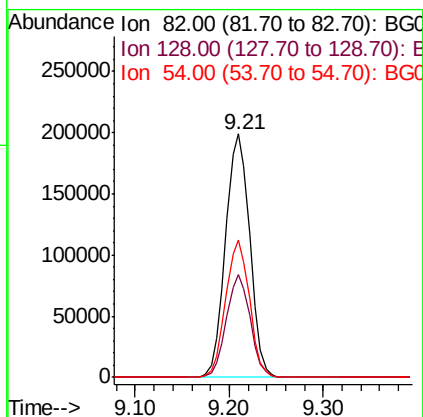
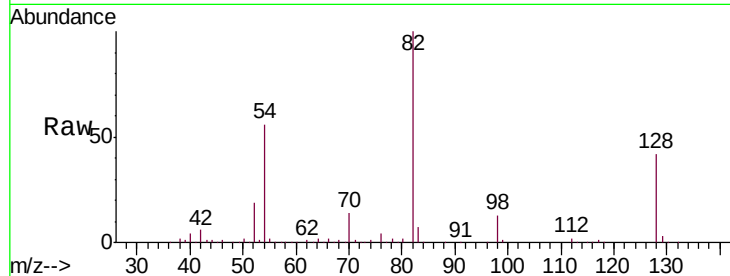




#23
 Nitrobenzene-d5
 Concen: 90.998 ng
 RT: 9.21 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

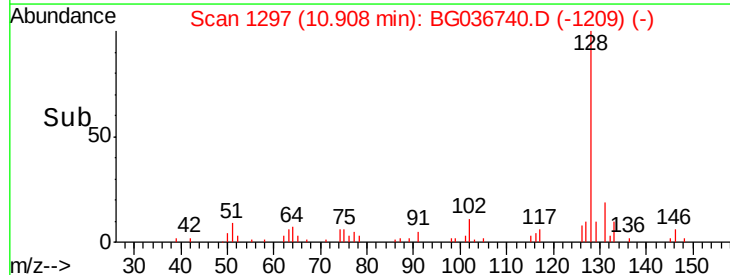
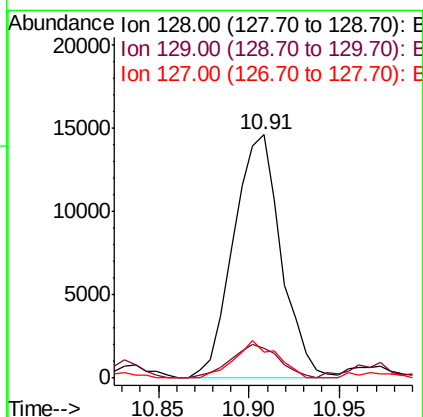
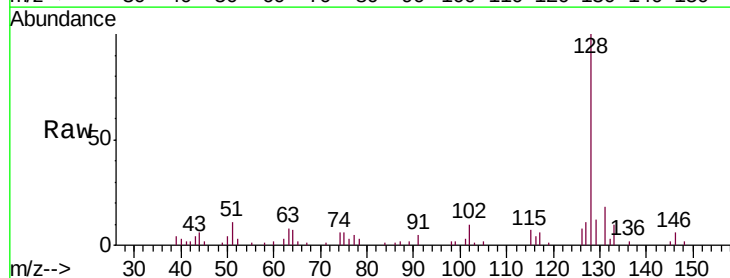
Instrument :
 BNA_G
 ClientSampled :
 SP-PIT-1

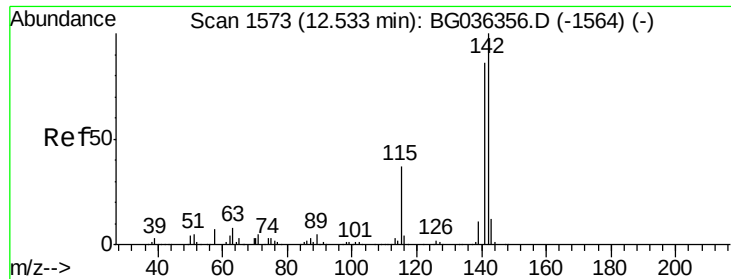
Tgt Ion: 82 Resp: 355728
 Ion Ratio Lower Upper
 82 100
 128 42.5 33.3 49.9
 54 56.3 45.1 67.7



#31
 Naphthalene
 Concen: 2.508 ng
 RT: 10.91 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Tgt Ion: 128 Resp: 26595
 Ion Ratio Lower Upper
 128 100
 129 12.5 9.4 14.2
 127 10.6 11.0 16.4#

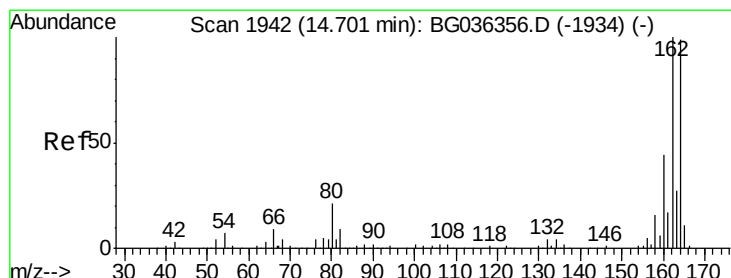
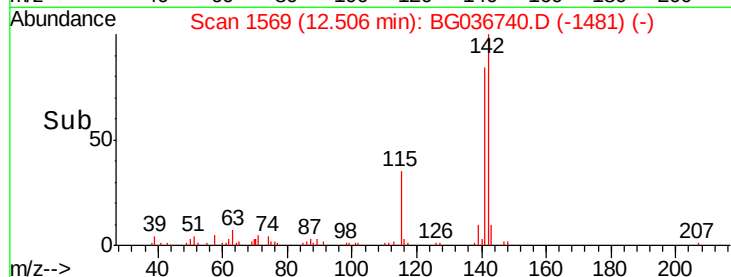
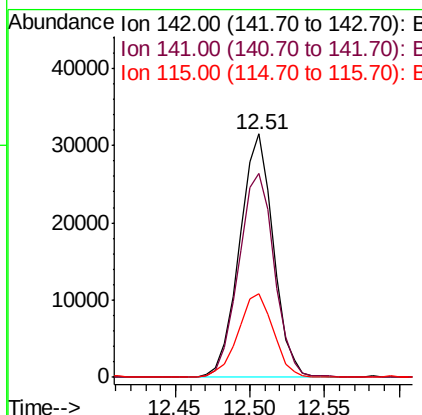
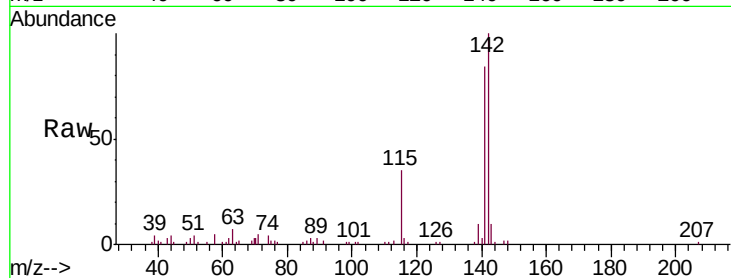




#37
 2-Methylnaphthalene
 Concen: 6.375 ng
 RT: 12.51 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

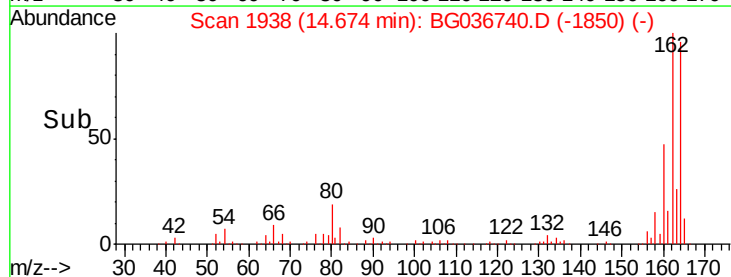
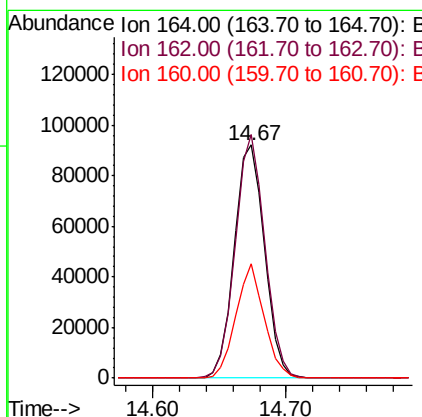
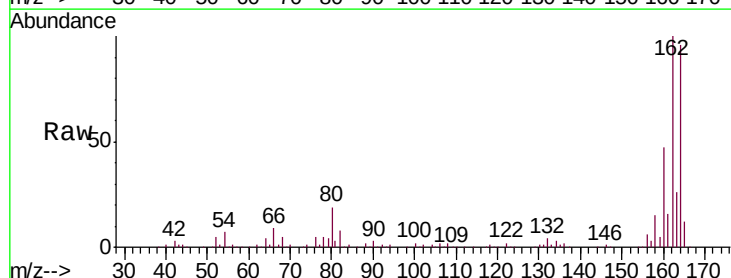
Instrument :
 BNA_G
 ClientSampleId :
 SP-PIT-1

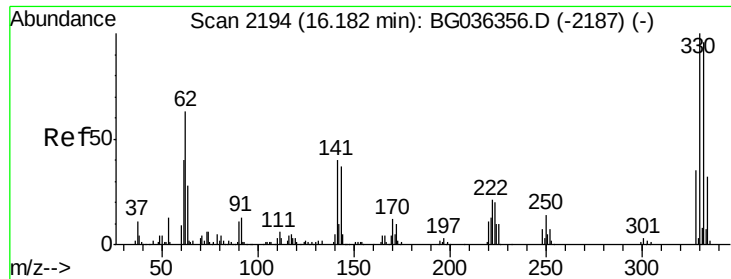
Tgt Ion:142 Resp: 49458
 Ion Ratio Lower Upper
 142 100
 141 83.6 68.5 102.7
 115 34.6 29.8 44.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Tgt Ion:164 Resp: 144803
 Ion Ratio Lower Upper
 164 100
 162 104.6 80.7 121.1
 160 48.9 35.3 52.9

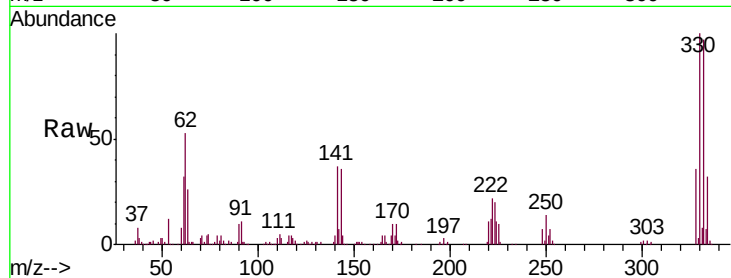




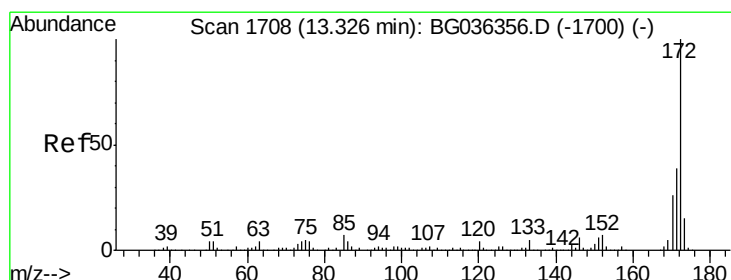
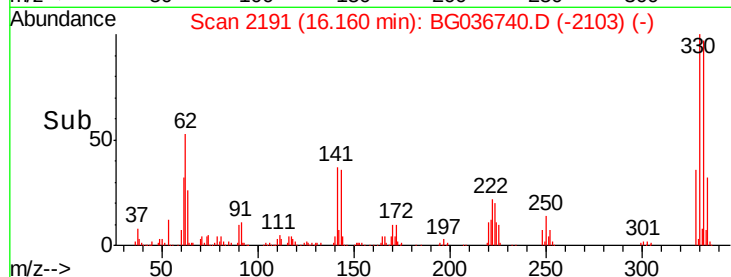
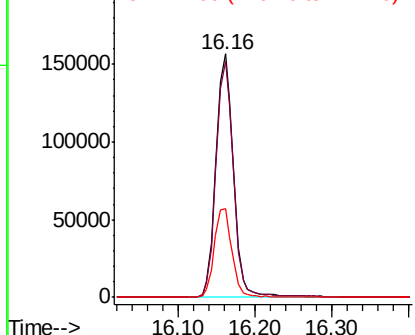
#41
 2,4,6-Tribromophenol
 Concen: 141.907 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Instrument :
 BNA_G
 ClientSampleId :
 SP-PIT-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.4	113.2
141	36.8	30.7	46.1

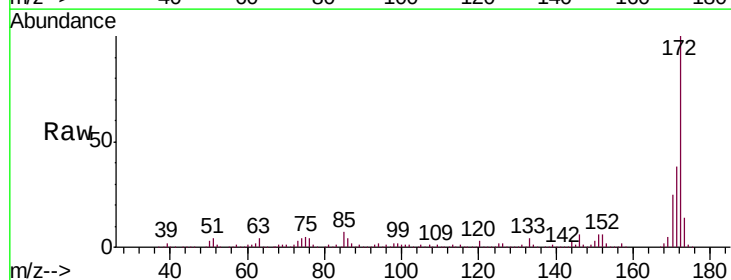


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

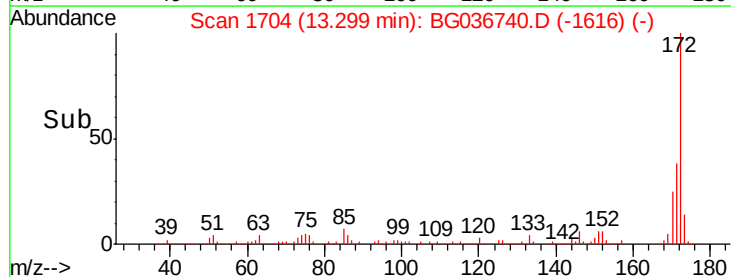
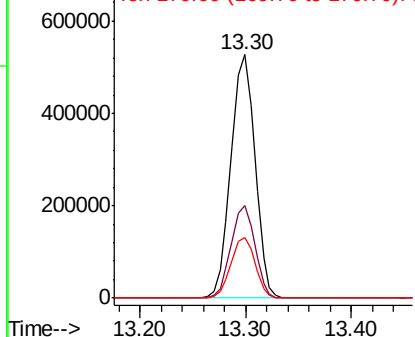


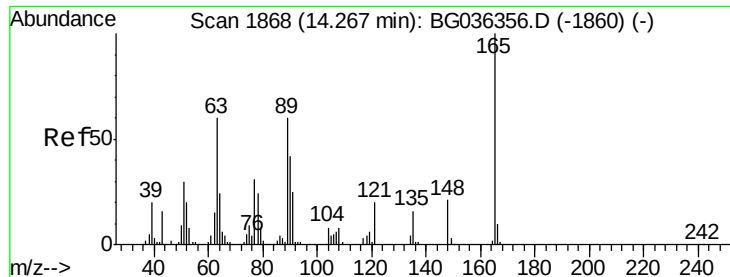
#44
 2-Fluorobiphenyl
 Concen: 81.696 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036740.D
 Acq: 15 Sep 2018 14:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.3	46.9
170	25.0	21.0	31.6



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

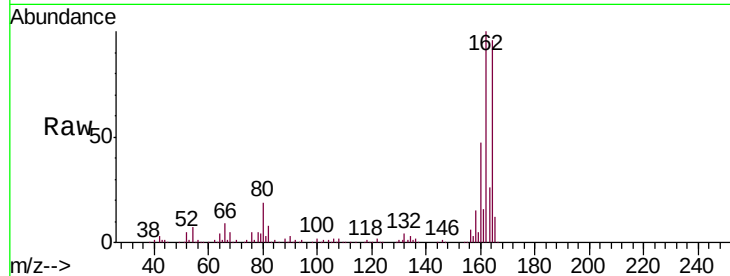




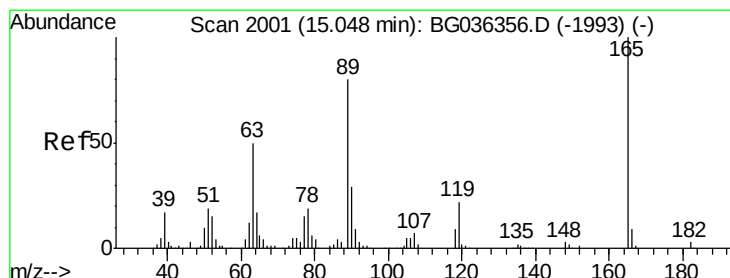
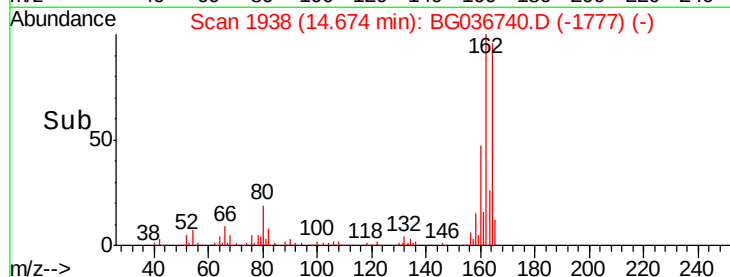
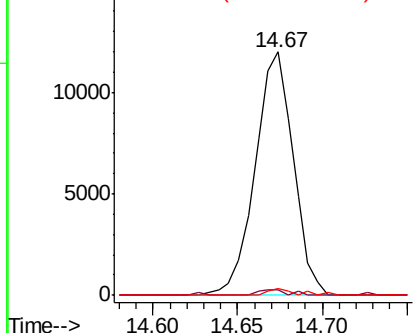
#50
2,6-Dinitrotoluene
Concen: 7.733 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036740.D
Acq: 15 Sep 2018 14:19

Instrument :
BNA_G
ClientSampleId :
SP-PIT-1

Tgt Ion:165 Resp: 18815
Ion Ratio Lower Upper
165 100
63 2.2 50.1 75.1#
89 2.6 47.8 71.6#

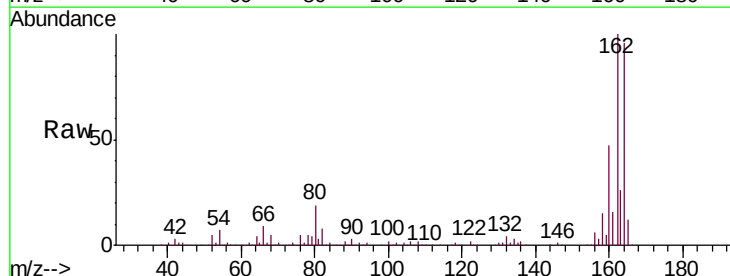


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

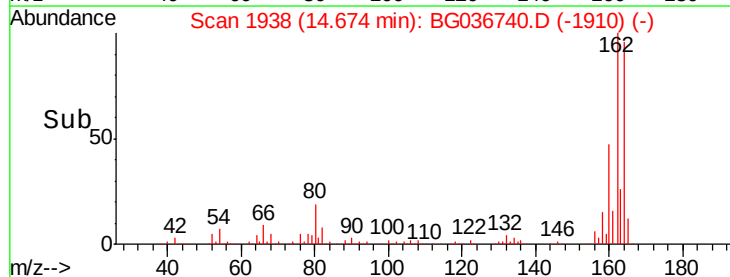
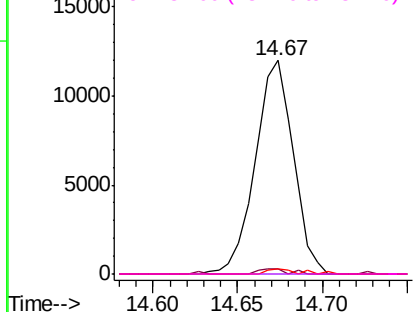


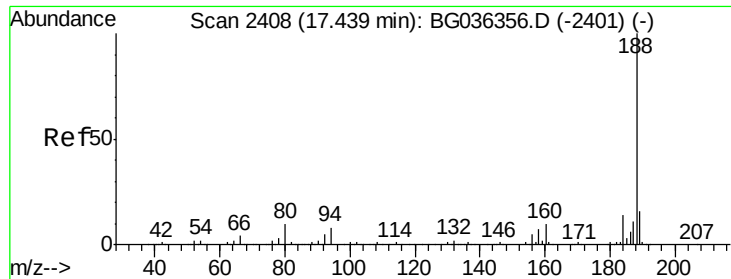
#56
2,4-Dinitrotoluene
Concen: 5.933 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG036740.D
Acq: 15 Sep 2018 14:19

Tgt Ion:165 Resp: 18815
Ion Ratio Lower Upper
165 100
63 2.2 40.1 60.1#
89 2.6 63.7 95.5#
182 0.0 2.5 3.7#



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

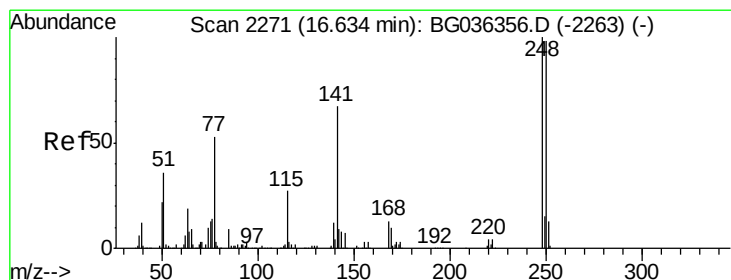
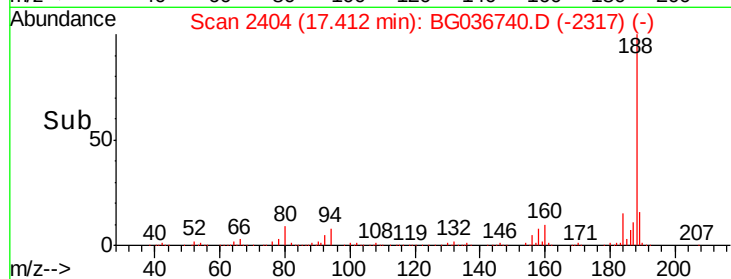
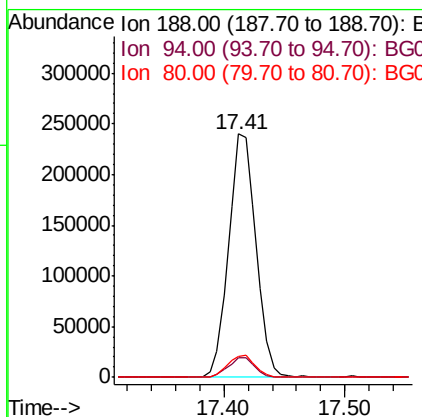
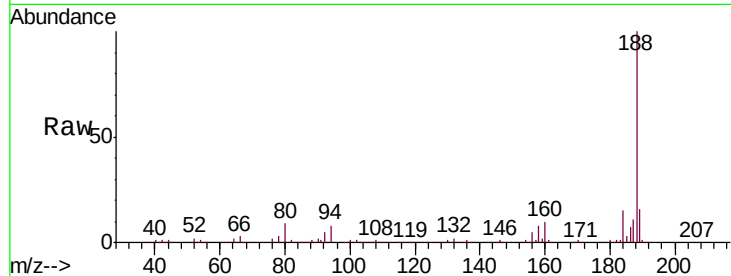




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BG036740.D
Acq: 15 Sep 2018 14:19

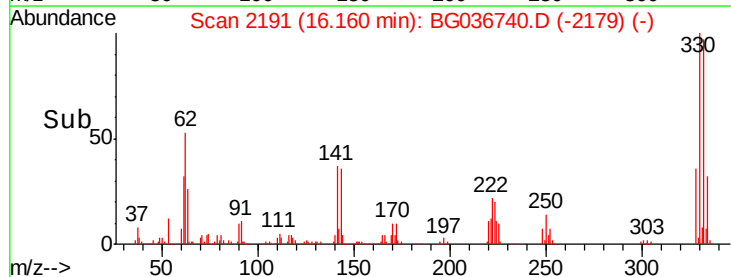
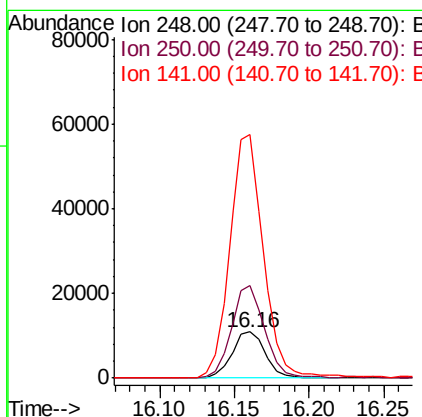
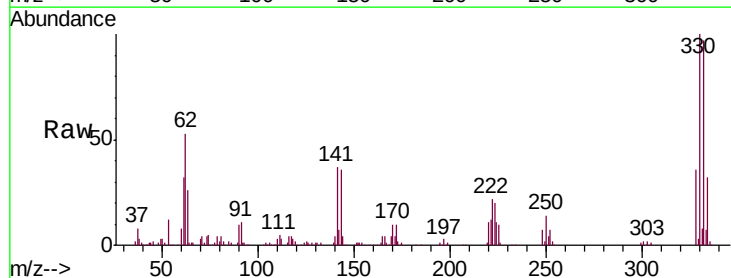
Instrument :
BNA_G
ClientSampled :
SP-PIT-1

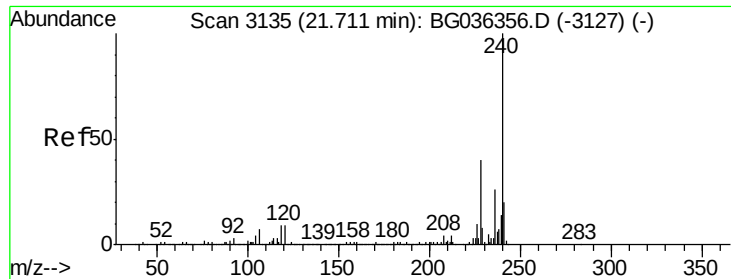
Tgt Ion:188 Resp: 377963
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.8 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.860 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036740.D
Acq: 15 Sep 2018 14:19

Tgt Ion:248 Resp: 17082
Ion Ratio Lower Upper
248 100
250 200.0 78.1 117.1#
141 525.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

Instrument :

BNA_G

ClientSampleId :

SP-PIT-1

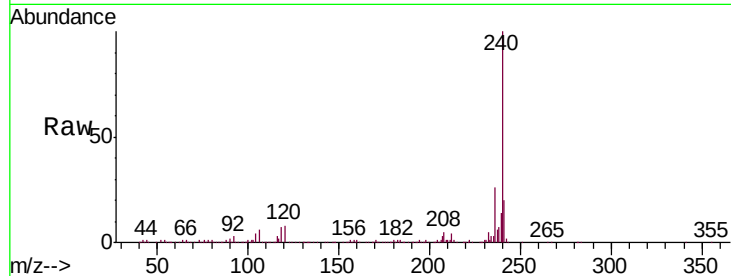
Tgt Ion:240 Resp: 403611

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

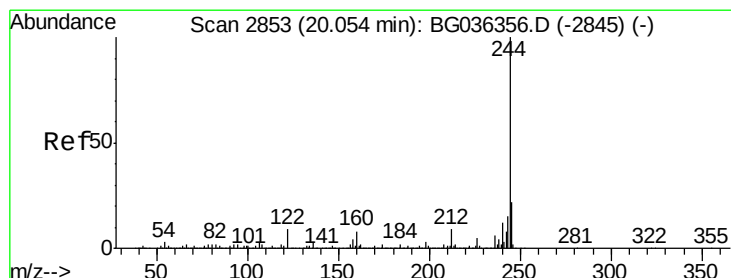
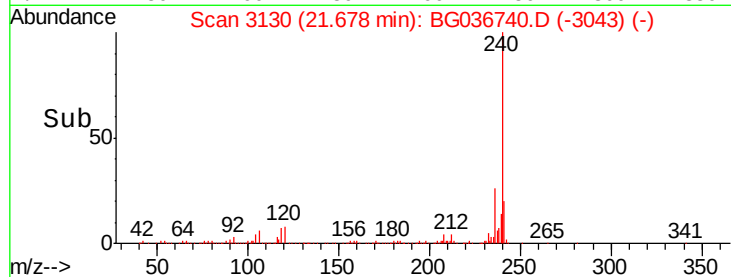
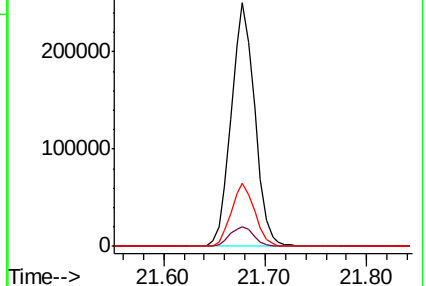
236 25.7 21.2 31.8



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: 84.771 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036740.D

Acq: 15 Sep 2018 14:19

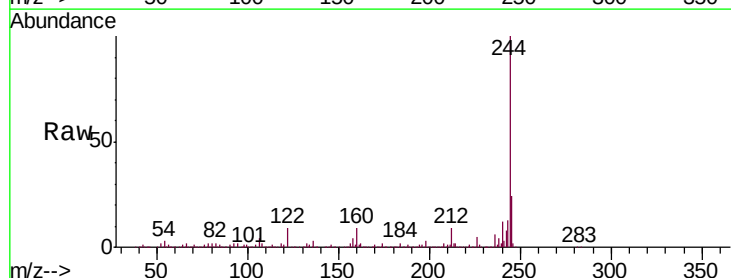
Tgt Ion:244 Resp: 1463814

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

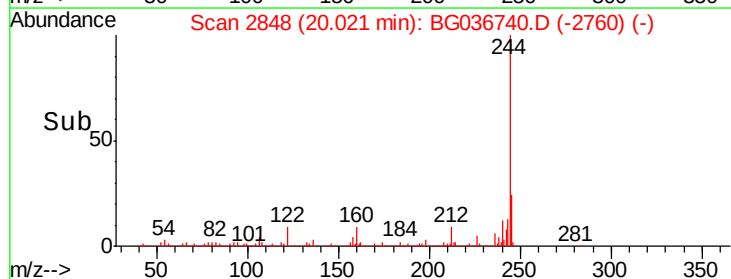
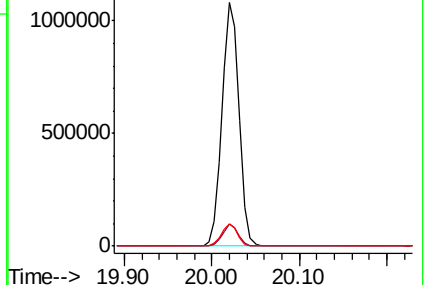
122 9.4 7.1 10.7

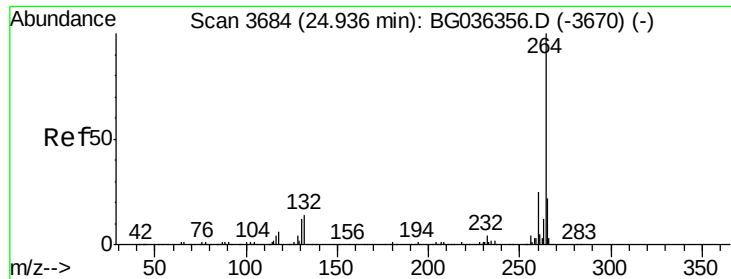


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036740.D
Acq: 15 Sep 2018 14:19

Instrument :
BNA_G
ClientSampleId :
SP-PIT-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.6	17.4	26.0

