

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
 Data File : BG036722.D
 Acq On : 15 Sep 2018 1:53
 Operator : JU/SJ
 Sample : J4892-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 15 03:06:43 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

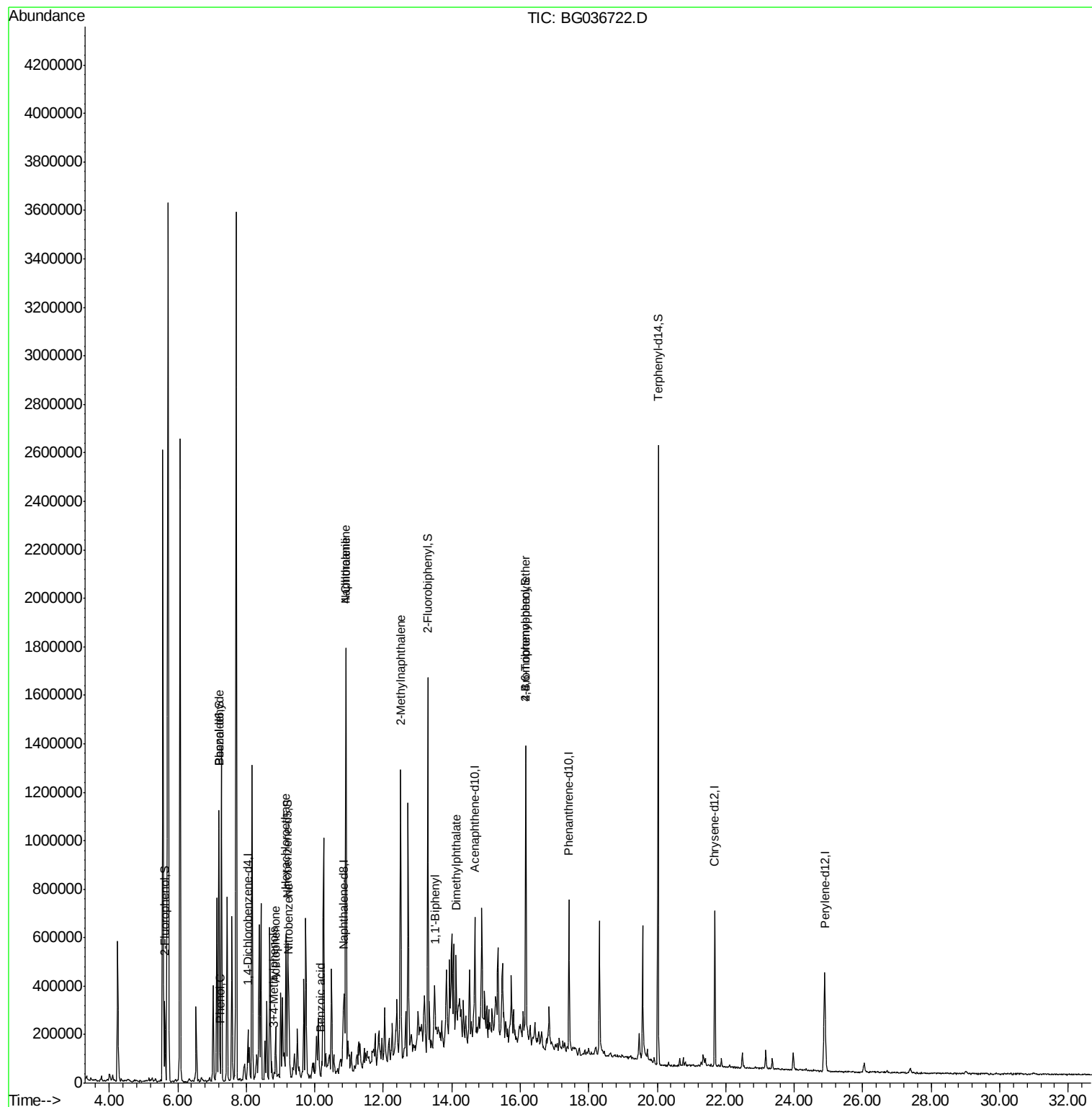
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56782	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	230655	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	152007	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	360951	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	401802	20.00	ng	-0.02
86) Perylene-d12	24.89	264	419309	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	139136	38.87	ng	0.00
7) Phenol-d6	7.21	99	121539	23.71	ng	-0.01
23) Nitrobenzene-d5	9.21	82	333483	78.44	ng	-0.01
41) 2,4,6-Tribromophenol	16.17	330	236190	130.22	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	762351	71.61	ng	-0.01
78) Terphenyl-d14	20.03	244	1243418	72.33	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	72309	20.489	ng	Qvalue # 1
10) Phenol	7.24	94	14770	2.754	ng	96
18) Hexachloroethane	9.16	117	63138	39.351	ng	# 1
20) 3+4-Methylphenols	8.81	107	11428	2.298	ng	83
22) Acetophenone	8.86	105	151722	25.050	ng	# 56
24) Nitrobenzene	9.25	77	14200	3.098	ng	# 9
31) Naphthalene	10.91	128	1328790	115.244	ng	97
32) Benzoic acid	10.17	122	412	4.629	ng	# 68
33) 4-Chloroaniline	10.91	127	197529	37.385	ng	# 33
37) 2-Methylnaphthalene	12.51	142	573658	67.996	ng	98
45) 1,1'-Biphenyl	13.51	154	69083	5.475	ng	97
49) Dimethylphthalate	14.12	163	181369	14.612	ng	97
66) 4-Bromophenyl-phenylether	16.16	248	16139	3.819	ng	# 1

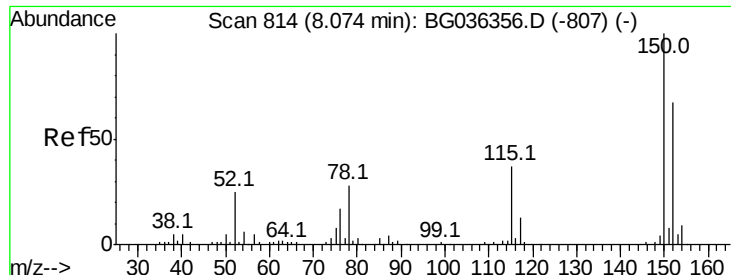
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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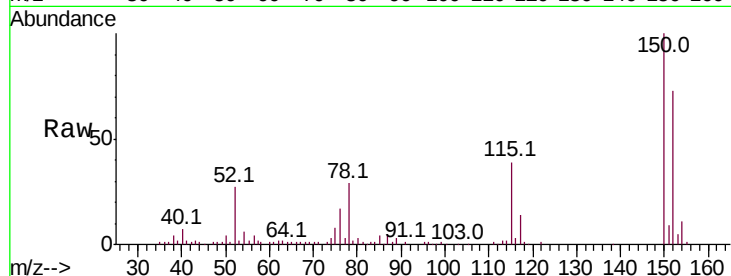


#1

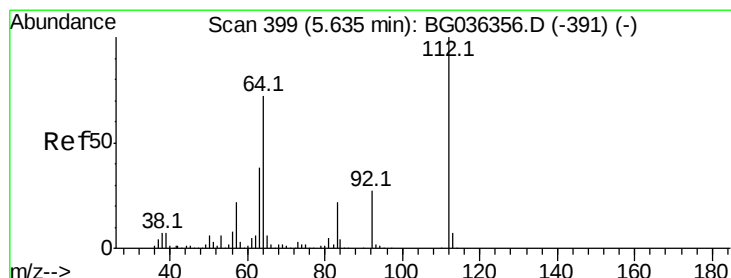
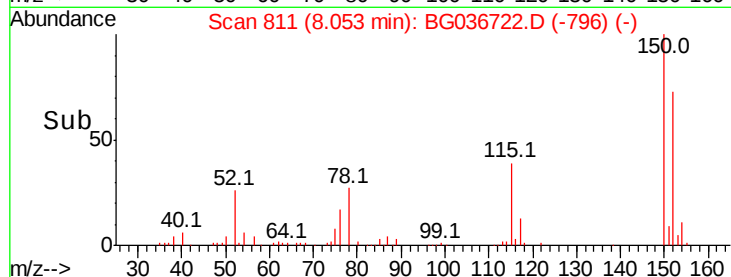
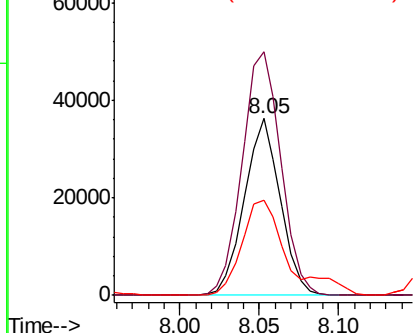
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.8	119.5	179.3
115	54.2	44.5	66.7



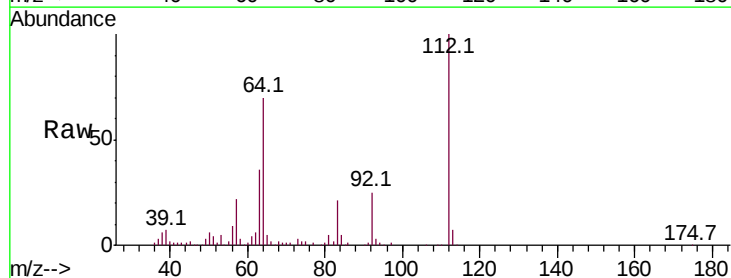
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



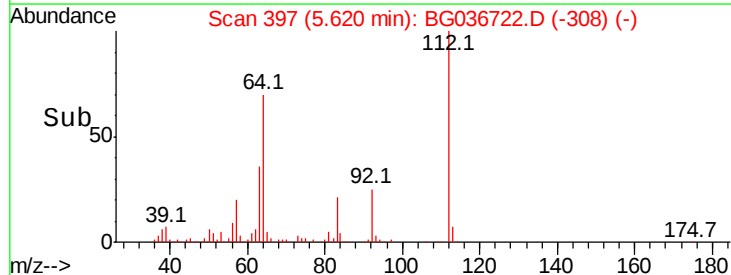
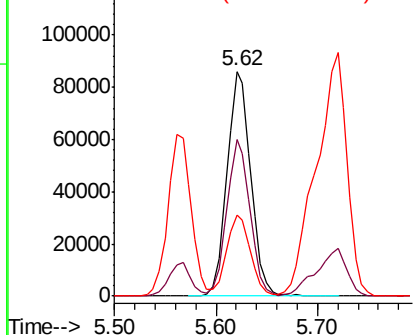
#5

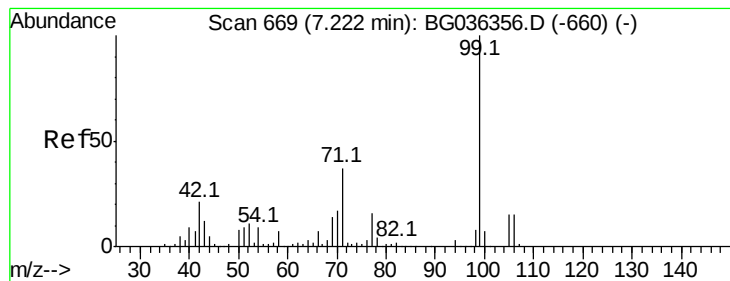
2-Fluorophenol
Concen: 38.870 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	57.2	85.8
63	36.3	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: 23.715 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

Instrument :

BNA_G

ClientSampleId :

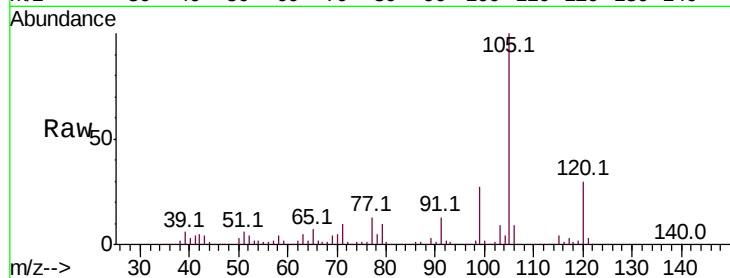
Tot Ion: 99 Resp: 121539

Ion Ratio Lower Upper

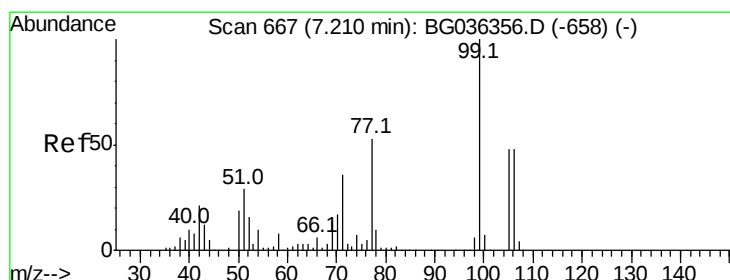
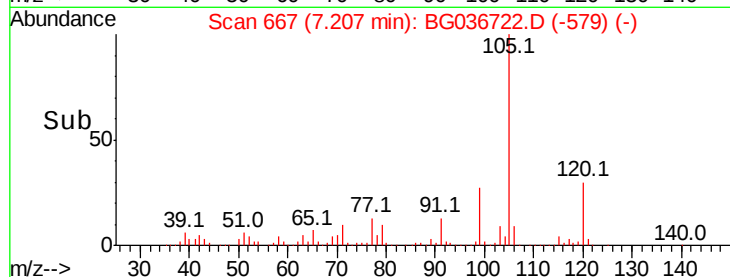
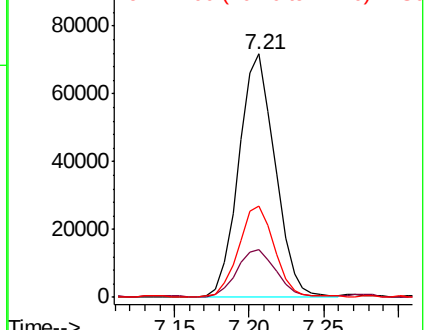
99 100

42 19.9 16.5 24.7

71 37.3 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



#9

Benzaldehyde

Concen: 20.489 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

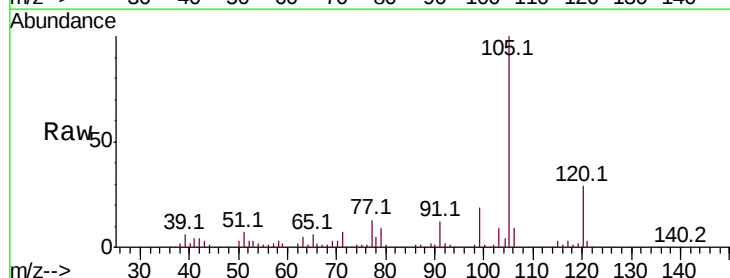
Tgt Ion: 77 Resp: 72309

Ion Ratio Lower Upper

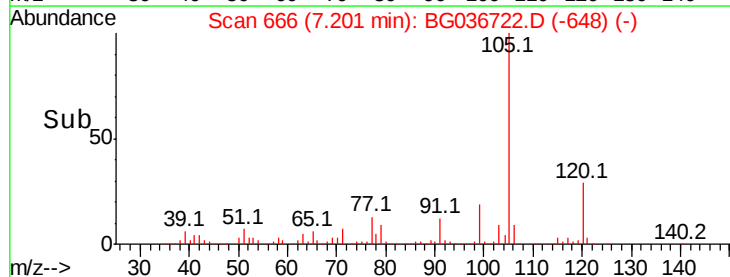
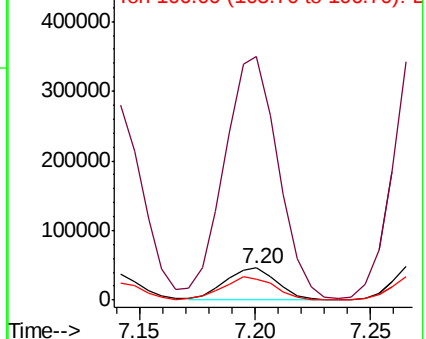
77 100

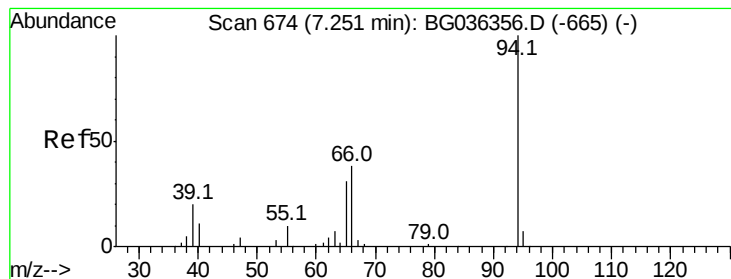
105 754.3 70.5 110.5#

106 65.7 69.8 109.8#



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





#10

Phenol

Concen: 2.754 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

Instrument :

BNA_G

ClientSampleId :

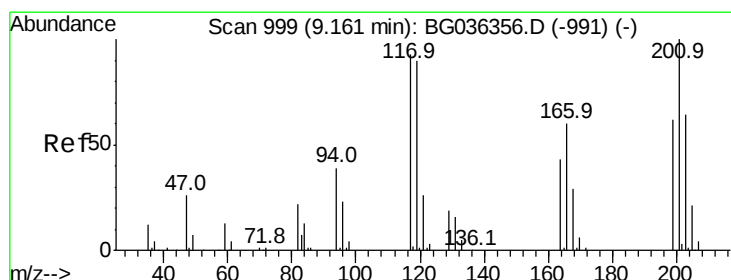
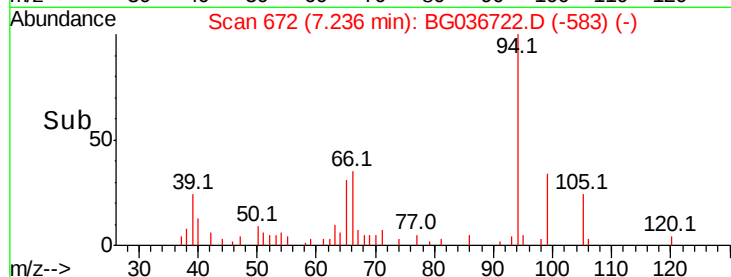
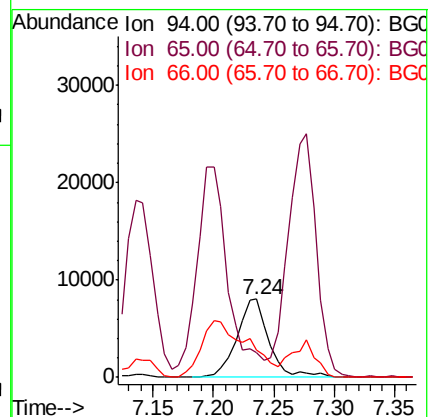
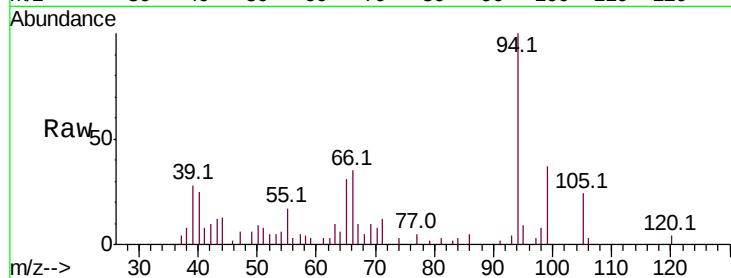
Tot Ion: 94 Resp: 14770

Ion Ratio Lower Upper

94 100

65 31.5 11.5 51.5

66 34.9 19.5 59.5



#18

Hexachloroethane

Concen: 39.351 ng

RT: 9.16 min Scan# 999

Delta R.T. 0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

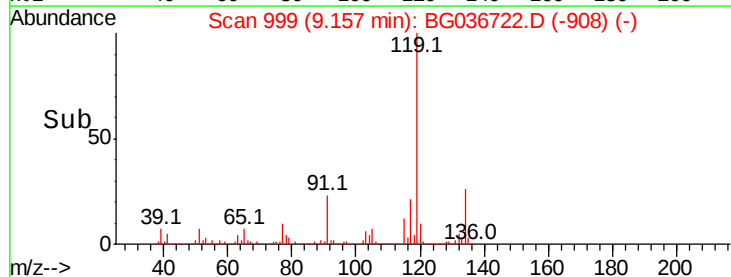
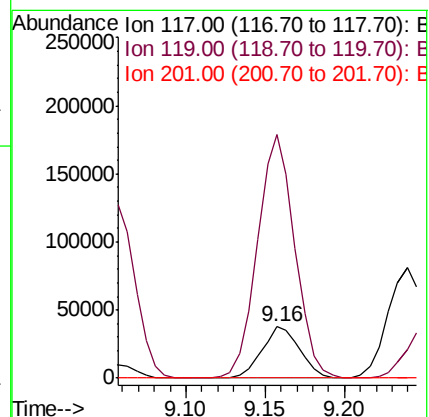
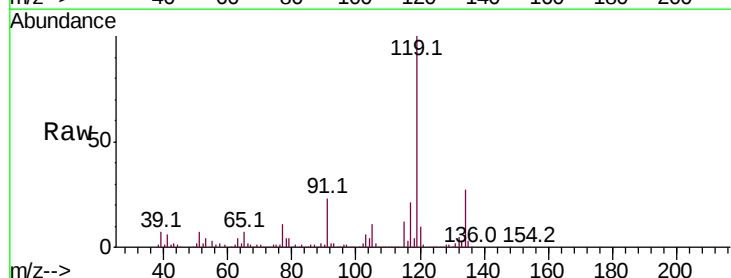
Tgt Ion: 117 Resp: 63138

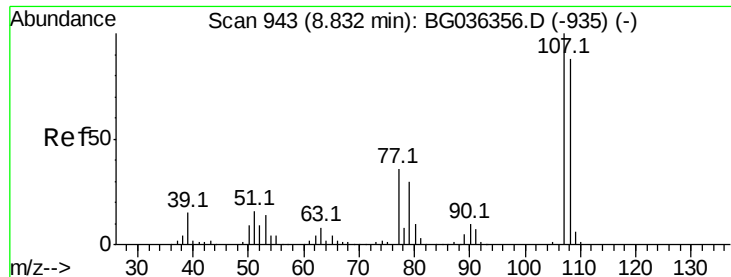
Ion Ratio Lower Upper

117 100

119 472.8 76.8 115.2#

201 0.0 85.7 128.5#

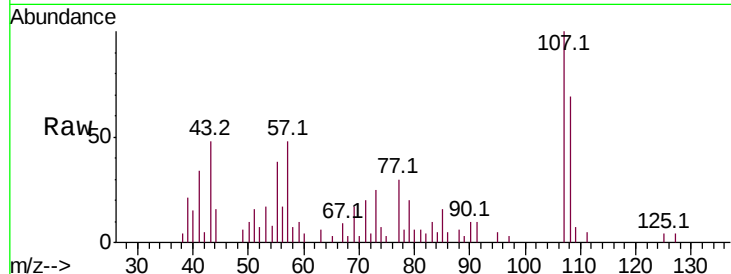




#20
3+4-Methylphenols
Concen: 2.298 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	11428
Ion	Ratio	Lower	Upper
107	100		
108	69.1	68.0	108.0
77	30.2	15.6	55.6
79	20.2	9.9	49.9



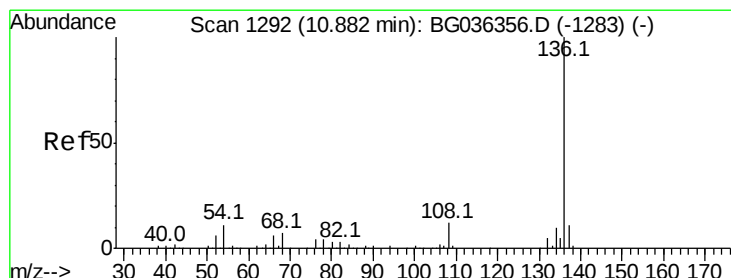
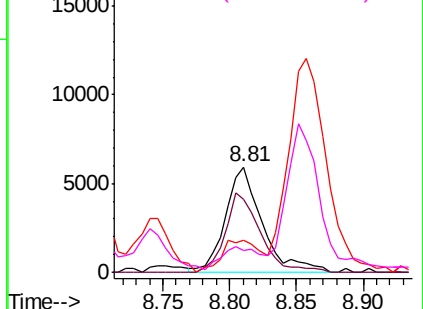
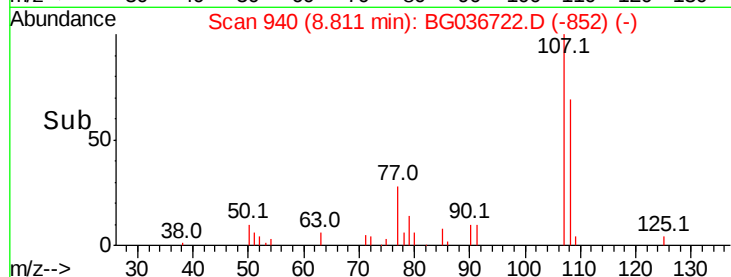
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

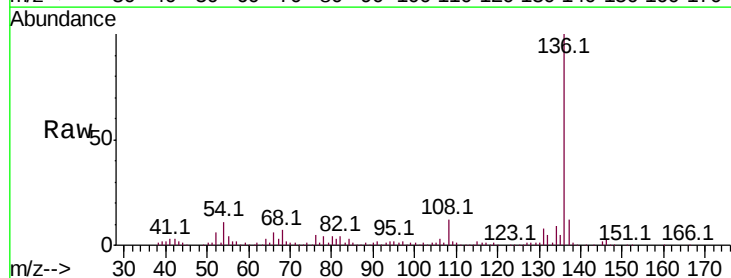
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion:	136	Resp:	230655
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.8	13.2
54	11.3	9.2	13.8
68	7.4	5.8	8.6



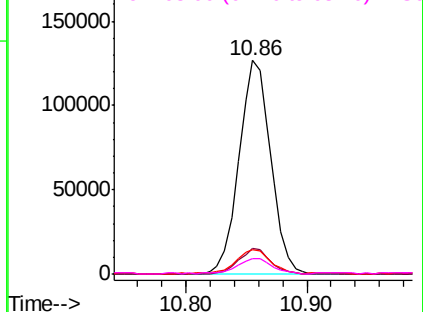
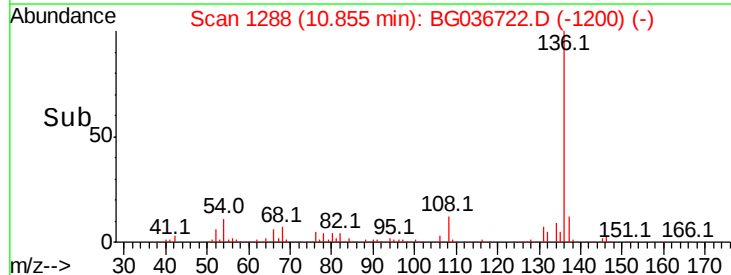
Abundance

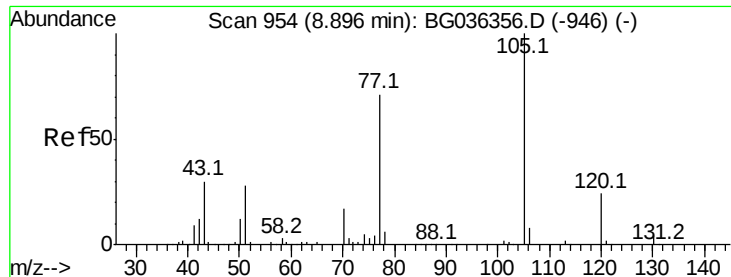
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

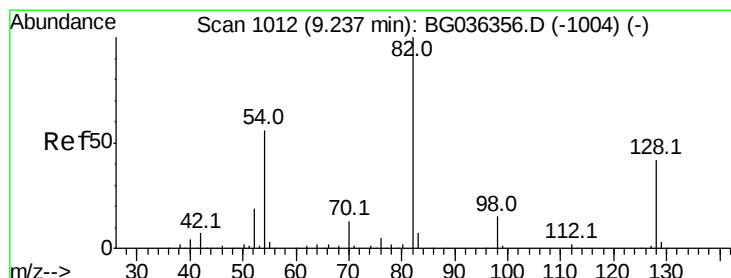
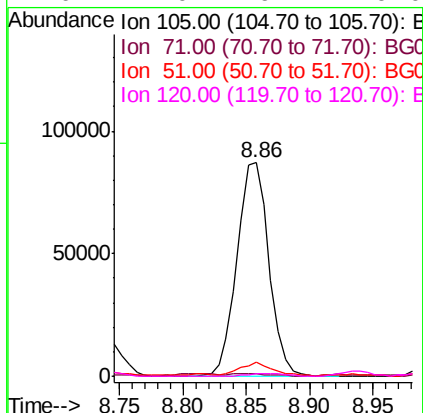
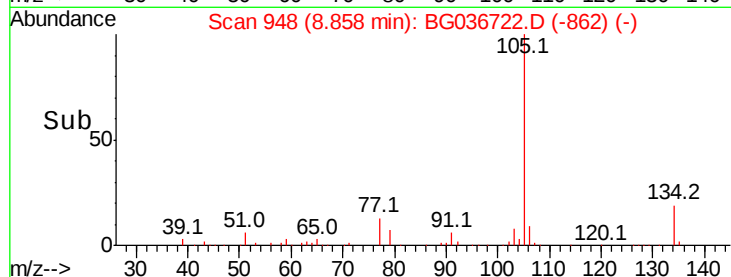
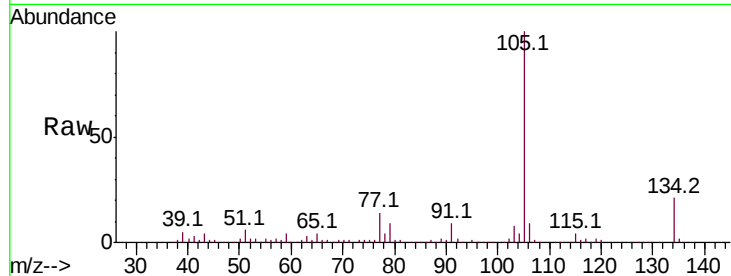




#22
Acetophenone
Concen: 25.050 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.02 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

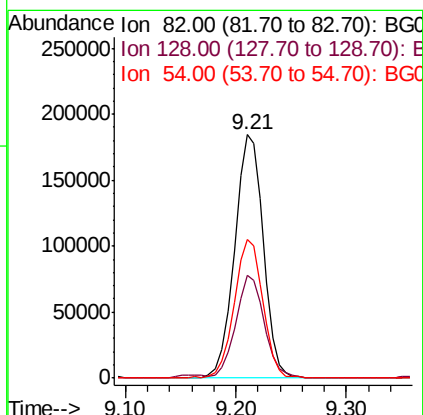
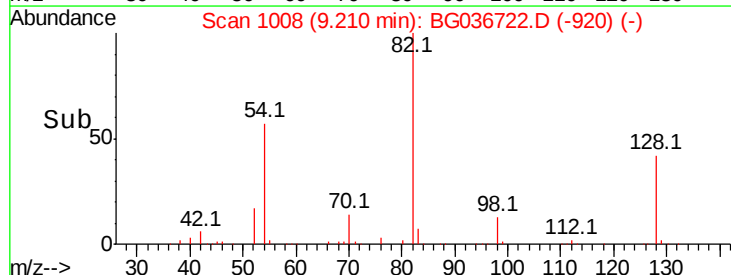
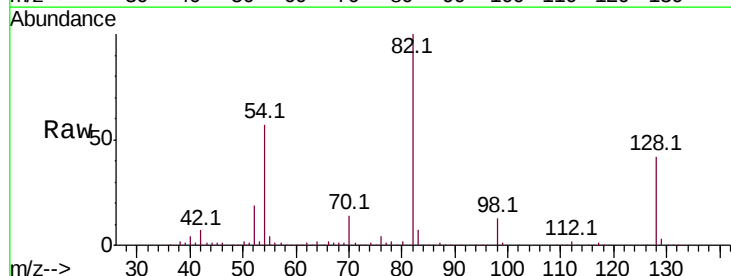
Instrument :
BNA_G
ClientSampleId :

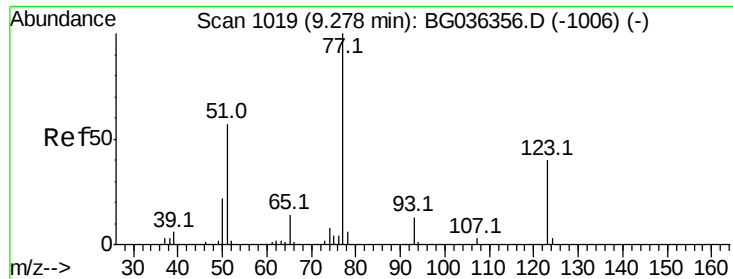
Tot Ion:105 Resp: 151722
Ion Ratio Lower Upper
105 100
71 1.1 2.4 3.6#
51 6.5 25.9 38.9#
120 1.0 19.4 29.0#



#23
Nitrobenzene-d5
Concen: 78.445 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion: 82 Resp: 333483
Ion Ratio Lower Upper
82 100
128 42.4 33.3 49.9
54 56.9 45.1 67.7

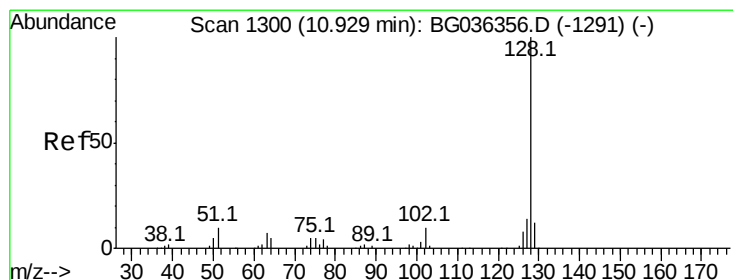
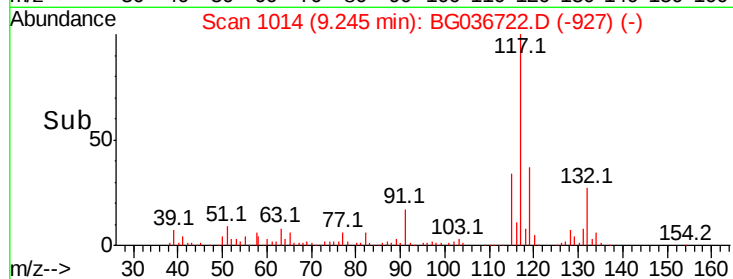
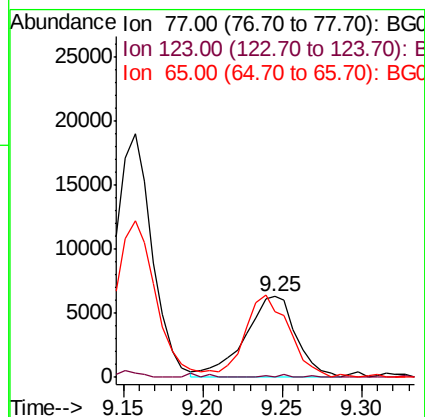
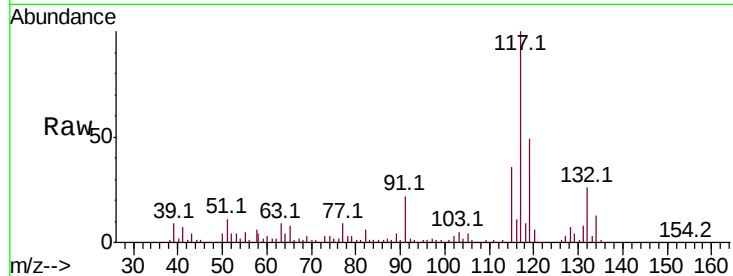




#24
Nitrobenzene
Concen: 3.098 ng
RT: 9.25 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

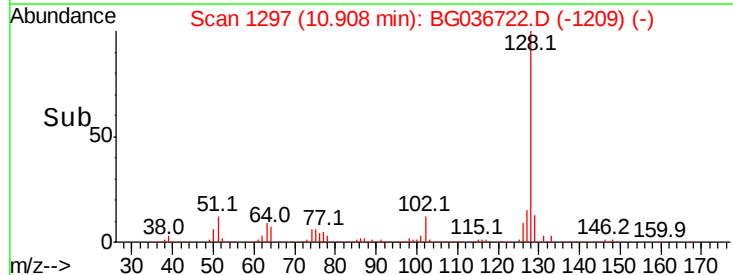
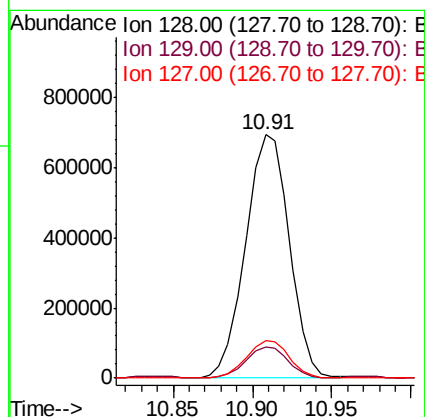
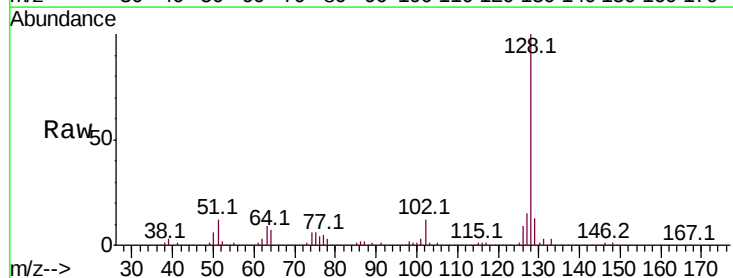
Instrument :
BNA_G
ClientSampleId :

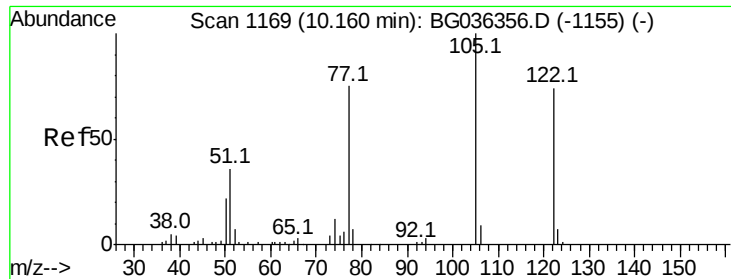
Tot Ion: 77 Resp: 14200
Ion Ratio Lower Upper
77 100
123 0.0 32.4 48.6#
65 81.4 11.5 17.3#



#31
Naphthalene
Concen: 115.244 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion:128 Resp: 1328790
Ion Ratio Lower Upper
128 100
129 12.7 9.4 14.2
127 15.4 11.0 16.4

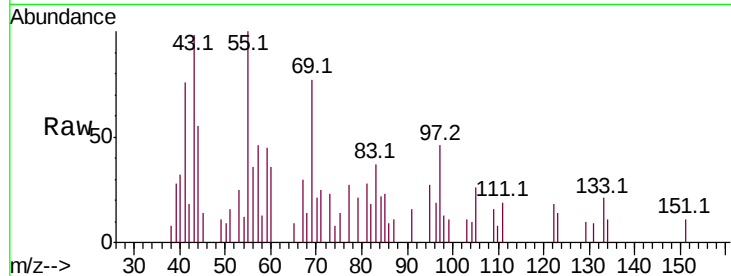




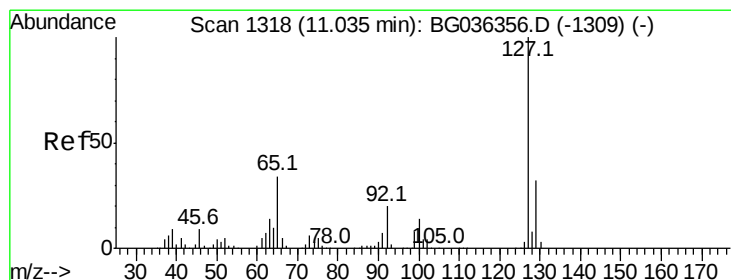
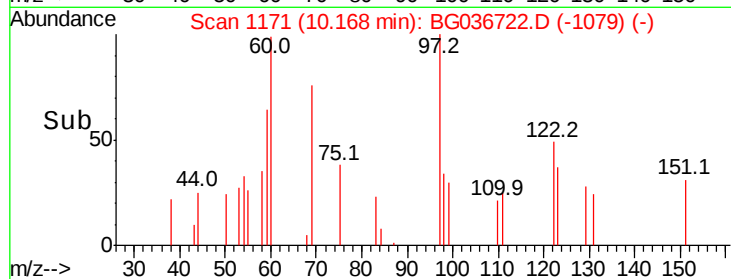
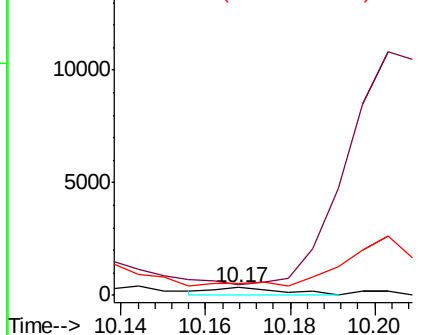
#32
Benzoic acid
Concen: 4.629 ng
RT: 10.17 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 412
Ion Ratio Lower Upper
122 100
105 144.2 108.1 148.1
77 151.2 76.3 116.3#

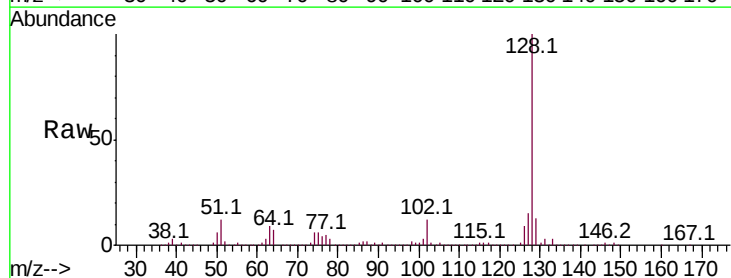


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

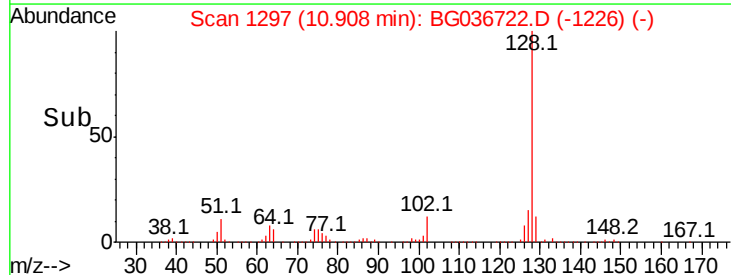
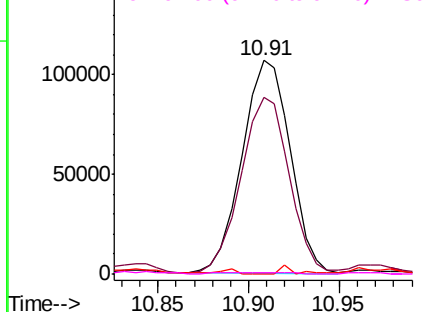


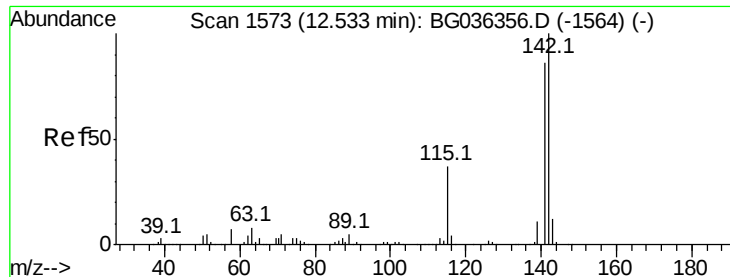
#33
4-Chloroaniline
Concen: 37.385 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.11 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion:127 Resp: 197529
Ion Ratio Lower Upper
127 100
129 82.6 25.9 38.9#
65 0.0 27.5 41.3#
92 0.8 16.2 24.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC





#37

2-Methylnaphthalene

Concen: 67.996 ng

RT: 12.51 min Scan# 1569

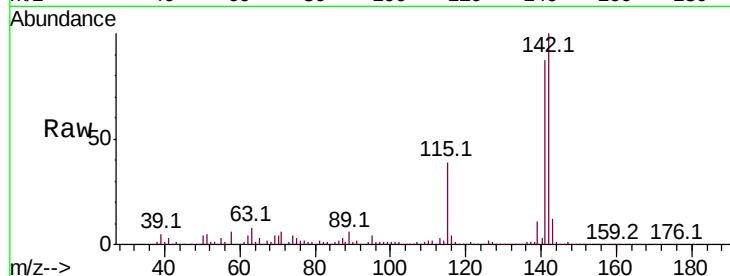
Delta R.T. -0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	68.5	102.7
115	38.6	29.8	44.8

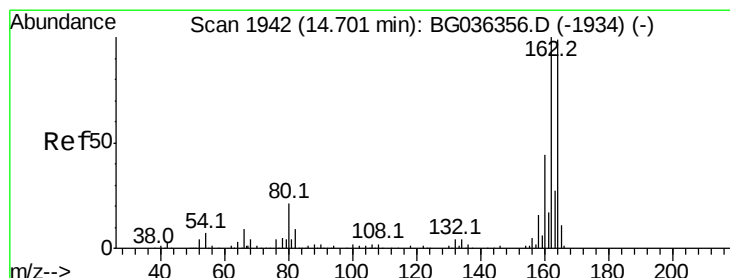
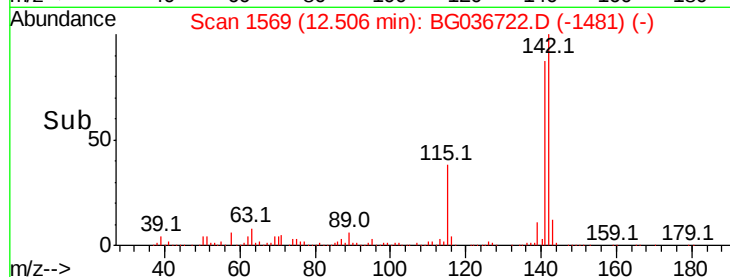
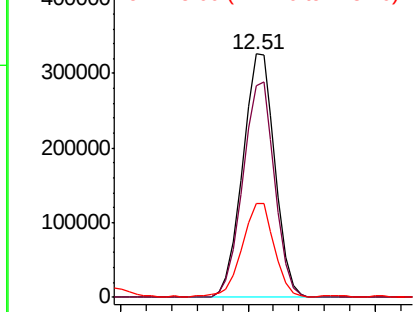


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

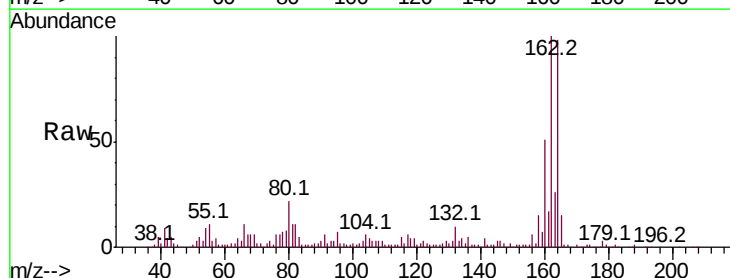
RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.7	121.1
160	51.8	35.3	52.9

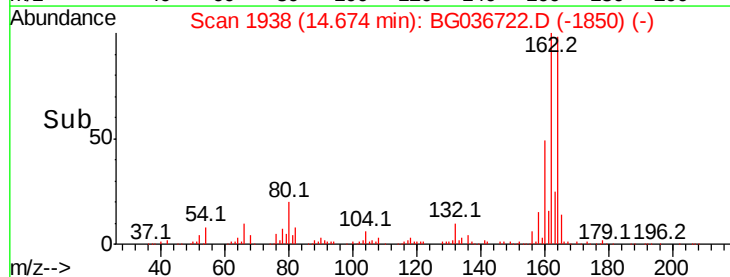
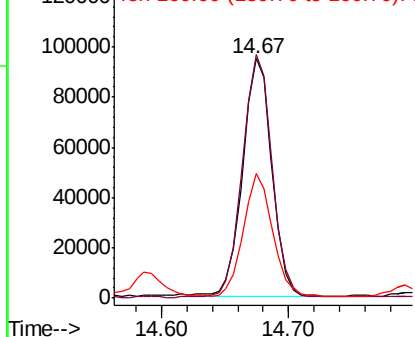


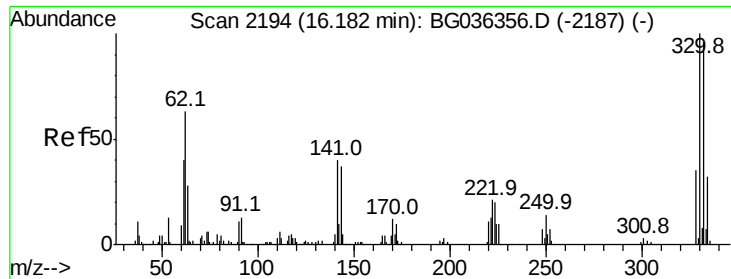
Abundance

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

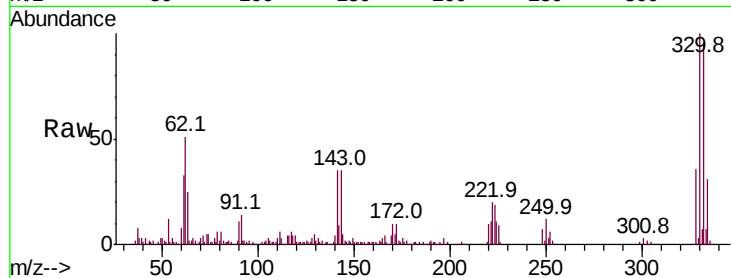




#41
2,4,6-Tribromophenol
Concen: 130.220 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.2
141	37.0	30.7	46.1

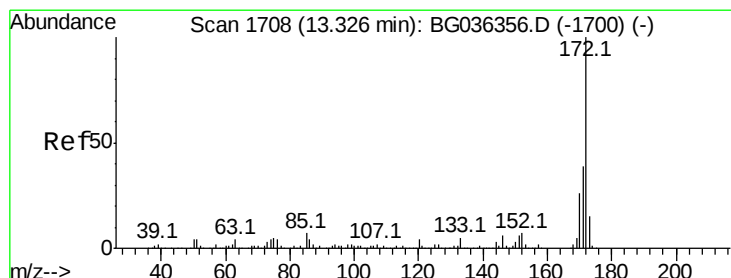
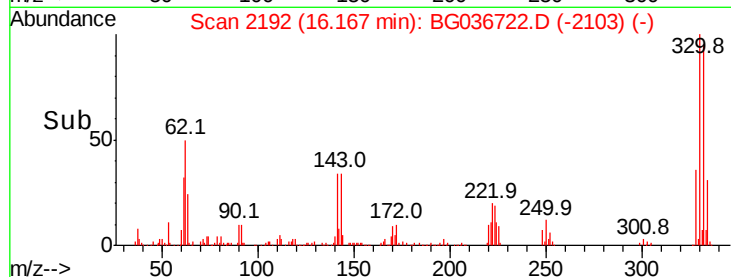
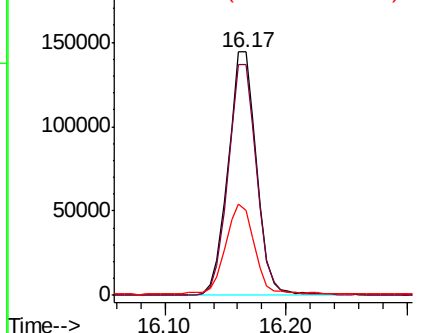


Abundance

Ion 329.80 (329.50 to 330.50): E

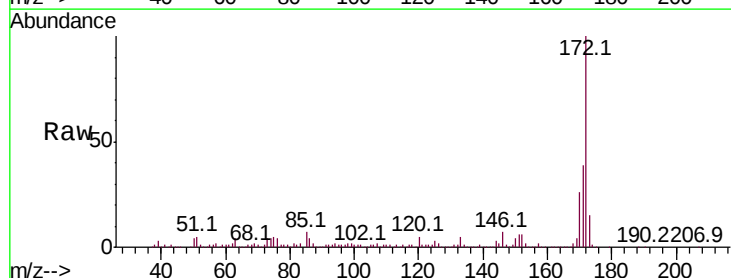
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
2-Fluorobiphenyl
Concen: 71.608 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	26.2	21.0	31.6

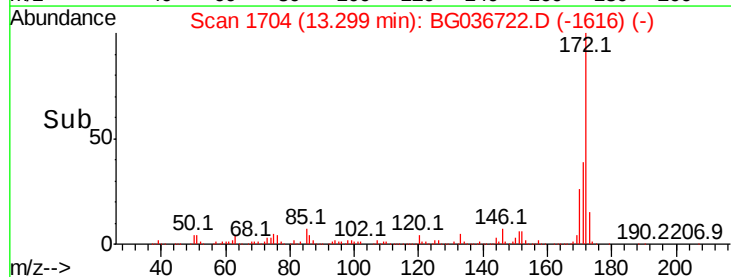
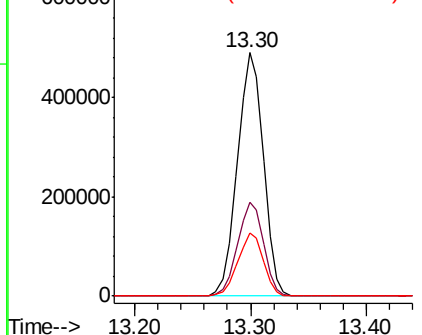


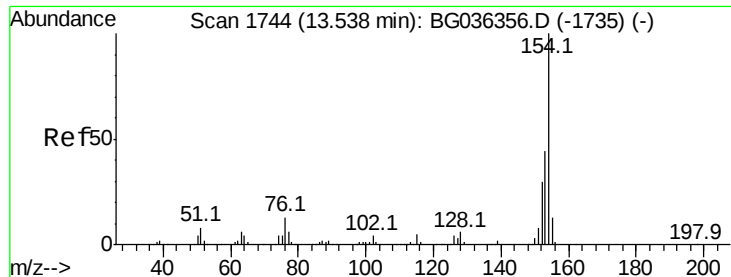
Abundance

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





#45

1,1'-Biphenyl

Concen: 5.475 ng

RT: 13.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

Instrument :

BNA_G

ClientSampleId :

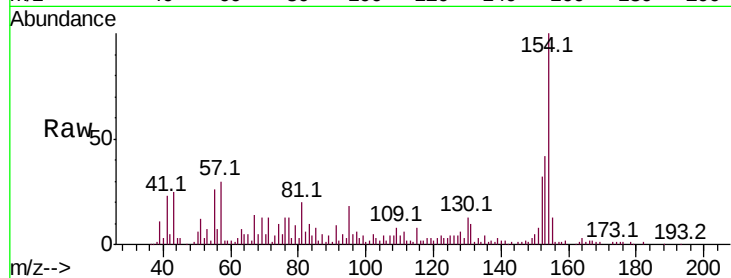
Tot Ion:154 Resp: 69083

Ion	Ratio	Lower	Upper
154	100		
153	41.8	24.0	64.0
76	13.1	0.0	32.9

154 100

153 41.8 24.0 64.0

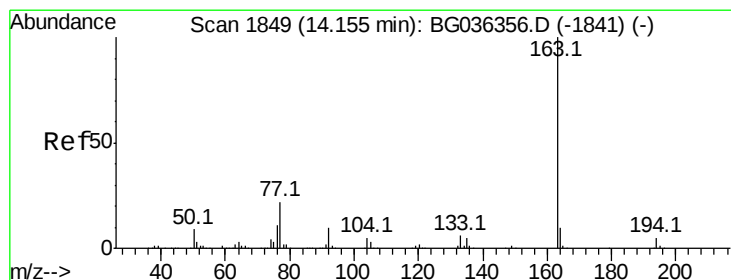
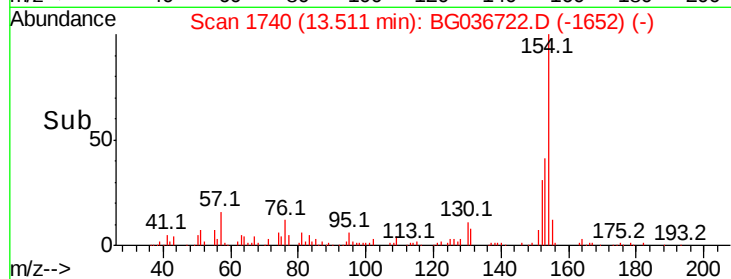
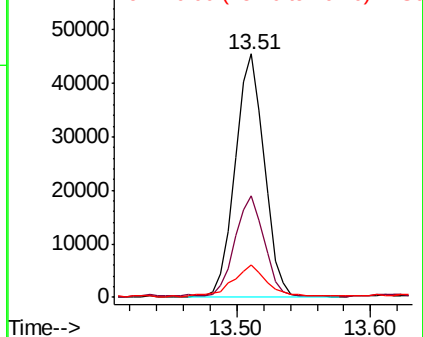
76 13.1 0.0 32.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#49

Dimethylphthalate

Concen: 14.612 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BG036722.D

Acq: 15 Sep 2018 1:53

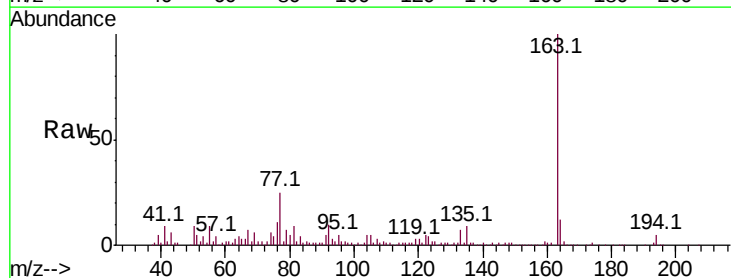
Tgt Ion:163 Resp: 181369

Ion	Ratio	Lower	Upper
163	100		
194	5.1	4.0	6.0
164	11.5	8.1	12.1

163 100

194 5.1 4.0 6.0

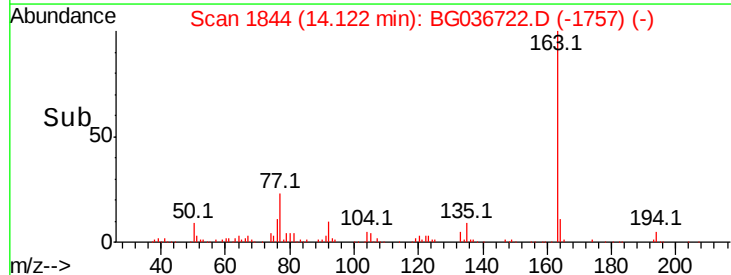
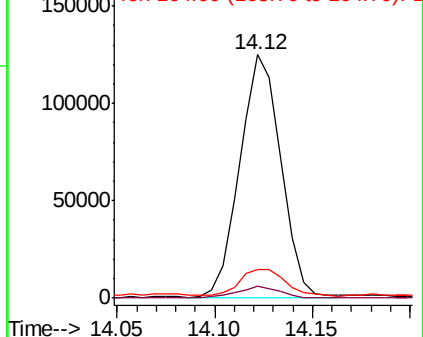
164 11.5 8.1 12.1

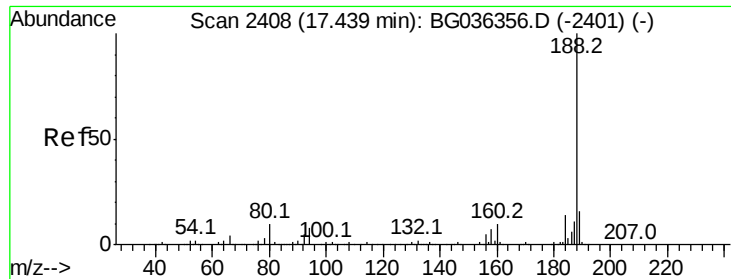


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

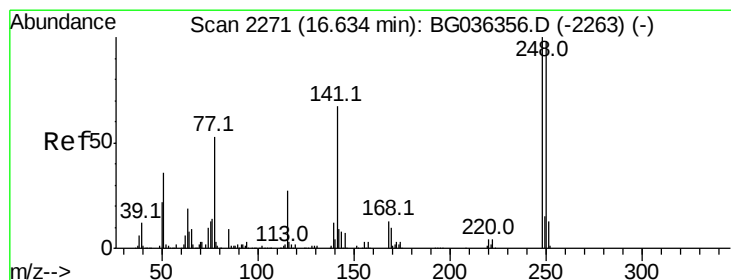
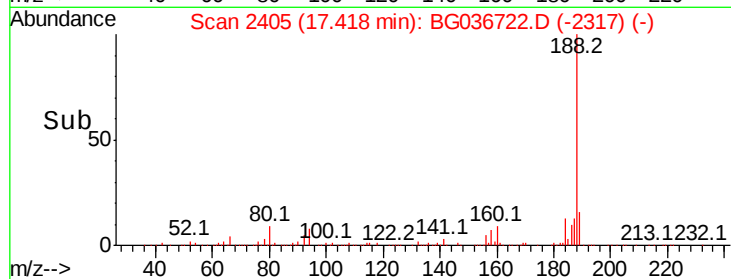
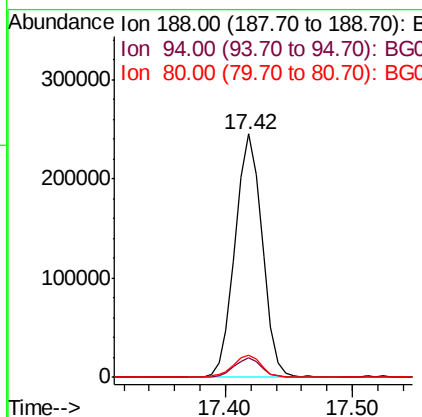
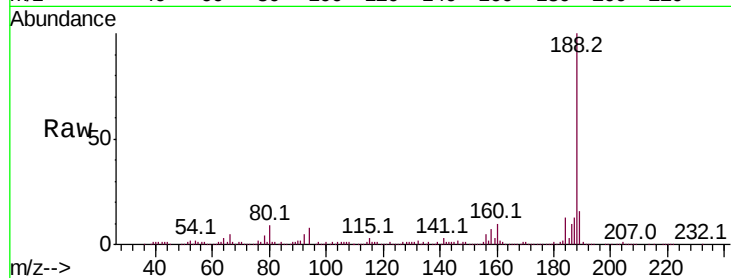




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036722.D
 Acq: 15 Sep 2018 1:53

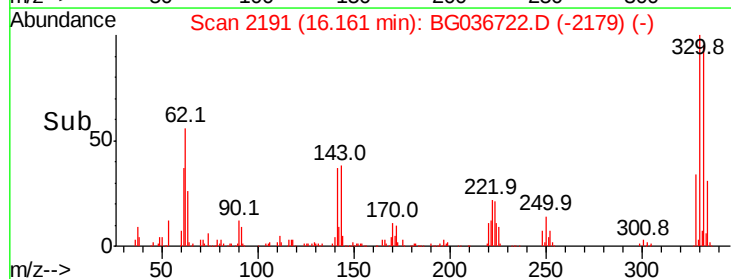
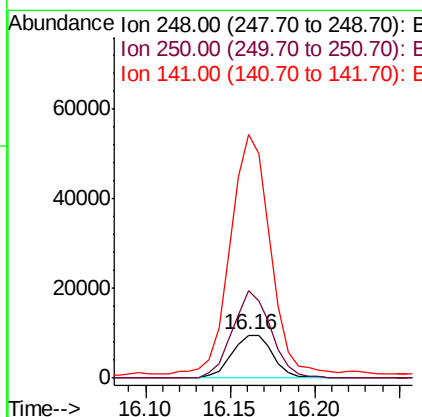
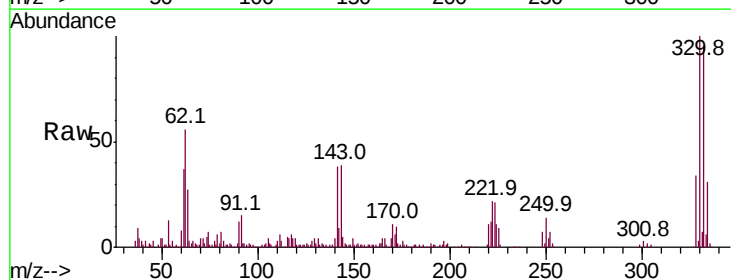
Instrument :
 BNA_G
 ClientSampleId :

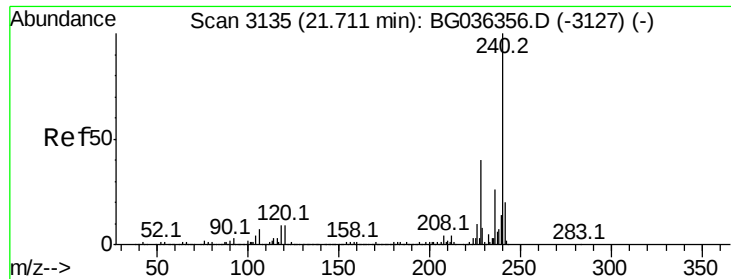
Tot Ion:188 Resp: 360951
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 9.0 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.819 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.46 min
 Lab File: BG036722.D
 Acq: 15 Sep 2018 1:53

Tgt Ion:248 Resp: 16139
 Ion Ratio Lower Upper
 248 100
 250 203.0 78.1 117.1#
 141 563.5 53.7 80.5#

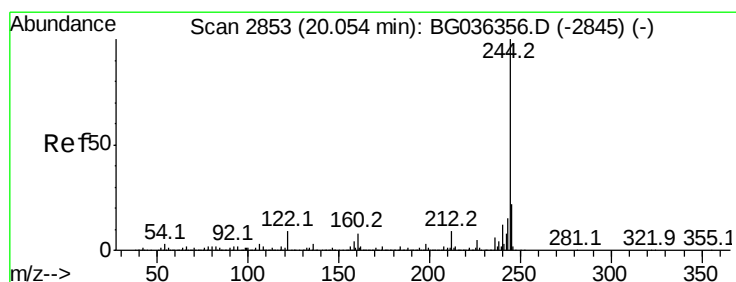
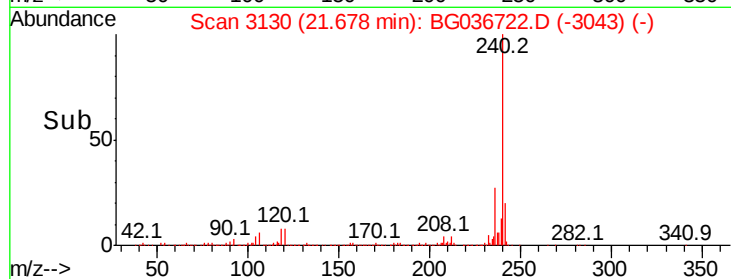
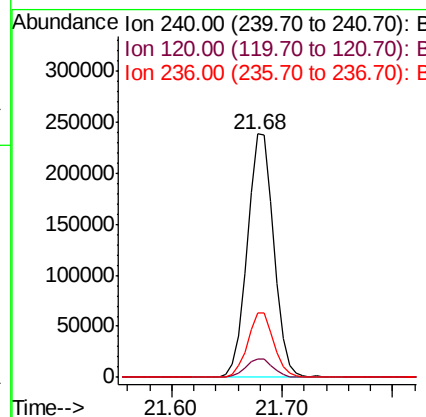
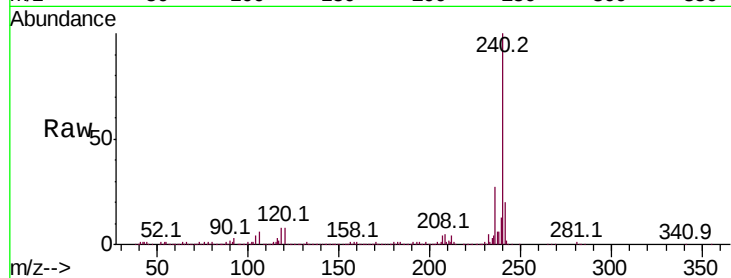




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.02 min
 Lab File: BG036722.D
 Acq: 15 Sep 2018 1:53

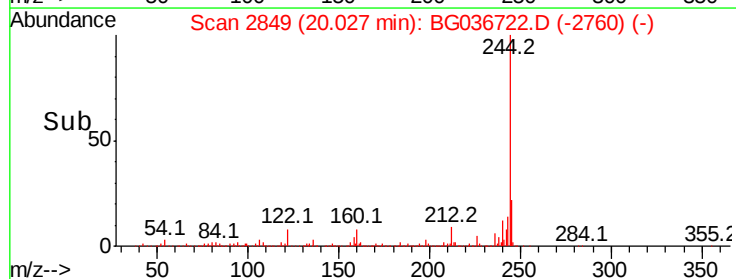
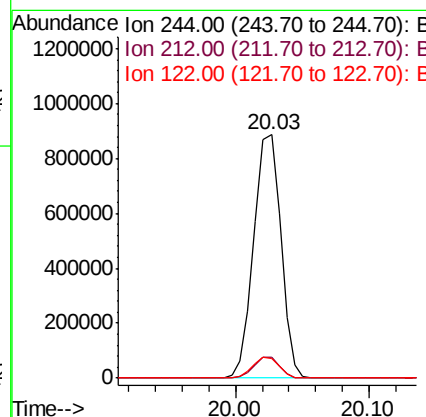
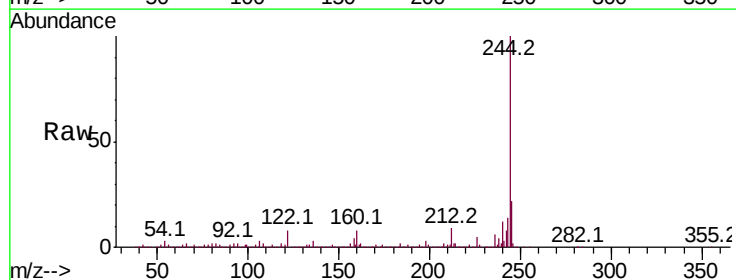
Instrument :
 BNA_G
 ClientSampleId :

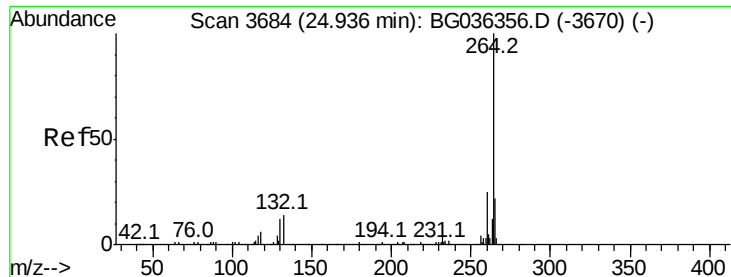
Tot Ion:240 Resp: 401802
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.9 10.3
 236 26.6 21.2 31.8



#78
 Terphenyl-d14
 Concen: 72.331 ng
 RT: 20.03 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BG036722.D
 Acq: 15 Sep 2018 1:53

Tgt Ion:244 Resp: 1243418
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 8.2 7.1 10.7

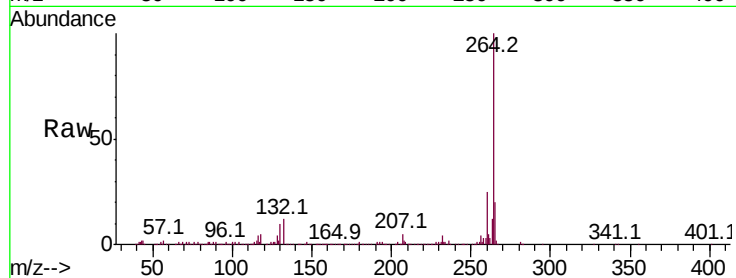




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036722.D
Acq: 15 Sep 2018 1:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	20.2	17.4	26.0



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

