

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091018\
 Data File : BG036653.D
 Acq On : 11 Sep 2018 9:17
 Operator : JU/SJ
 Sample : PB12716BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 11:12:24 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

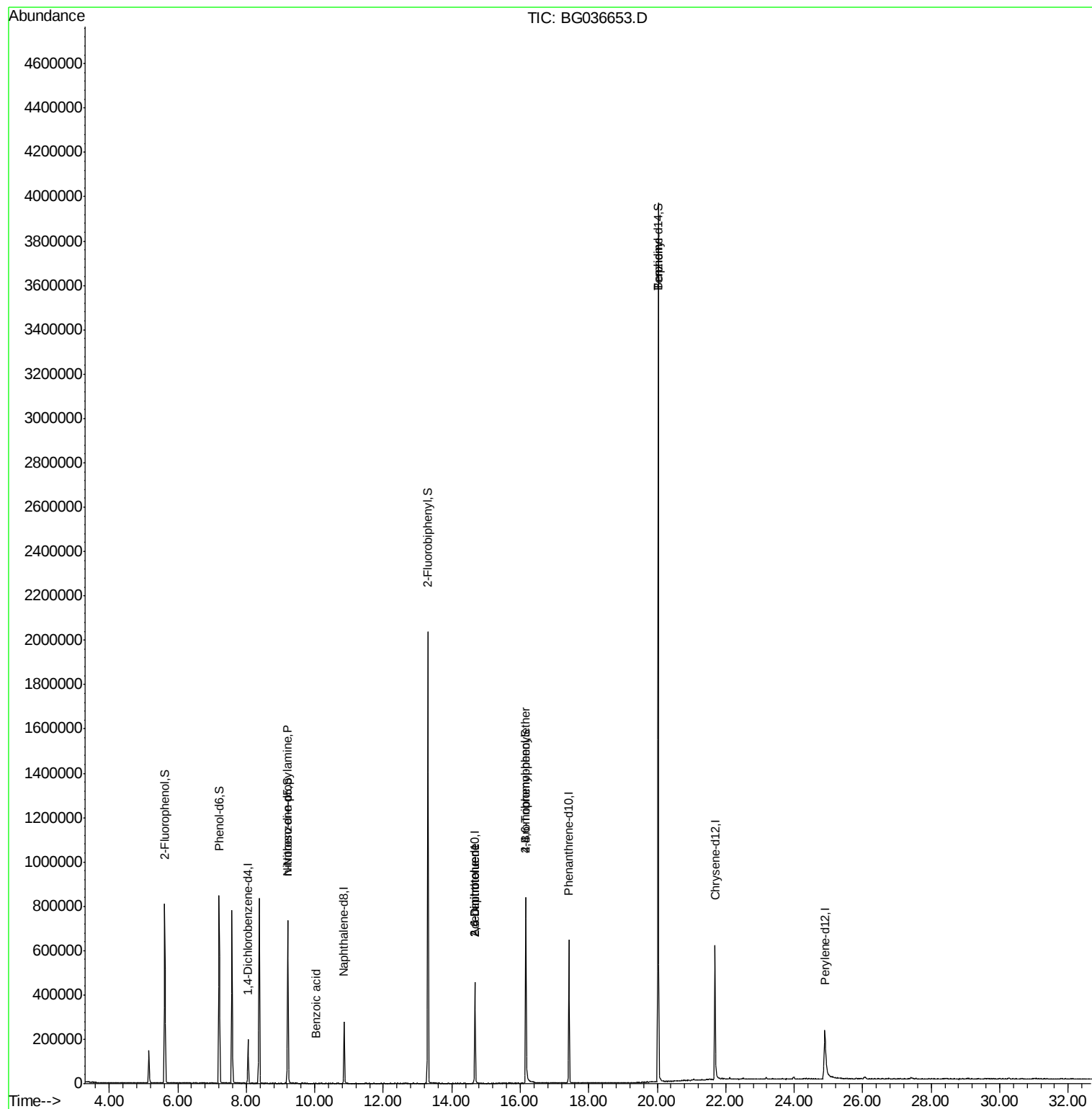
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56416	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	240087	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	162785	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	414724	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	423635	20.00	ng	-0.01
86) Perylene-d12	24.89	264	360344	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	345135	97.04	ng	0.00
7) Phenol-d6	7.21	99	495667	97.34	ng	-0.01
23) Nitrobenzene-d5	9.22	82	444181	100.38	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	177203	91.23	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1078109	94.56	ng	-0.01
78) Terphenyl-d14	20.03	244	1837280	101.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	58662	15.415	ng	# 69
32) Benzoic acid	10.03	122	59	4.500	ng	# 1
50) 2,6-Dinitrotoluene	14.67	165	21620	7.904	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	21620	6.065	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	11989	2.469	ng	# 1
76) Benzidine	20.03	184	32367	2.395	ng	# 92

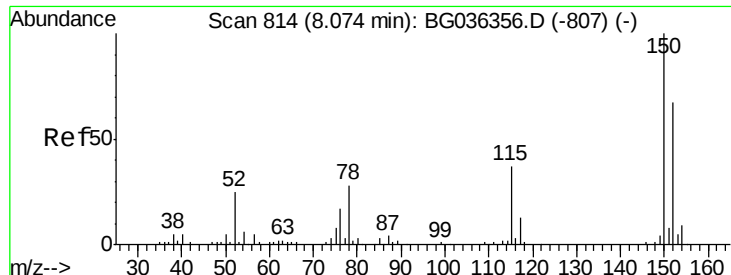
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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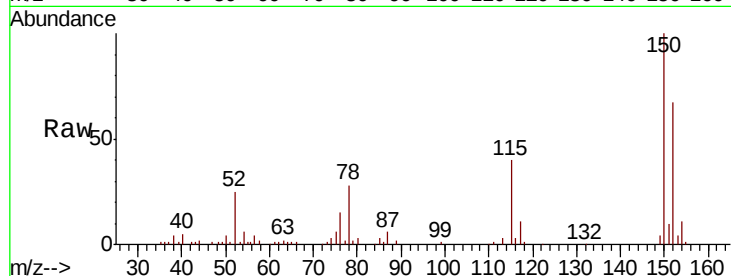


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036653.D
 Acq: 11 Sep 2018 9:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	119.5	179.3
115	59.2	44.5	66.7

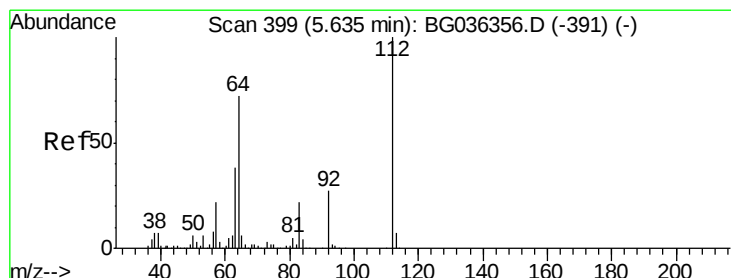
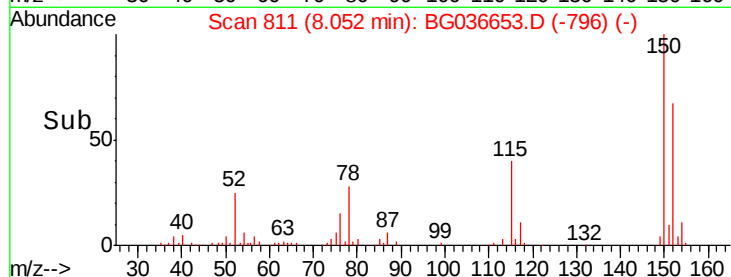
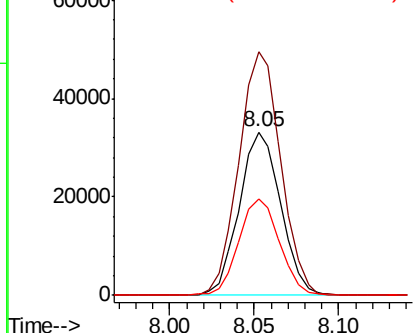


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

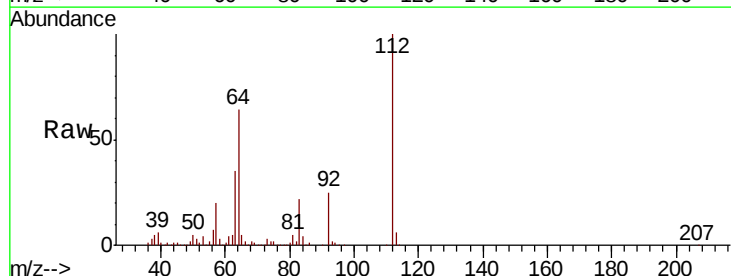
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 97.044 ng
 RT: 5.63 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: BG036653.D
 Acq: 11 Sep 2018 9:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	57.2	85.8
63	34.8	30.8	46.2

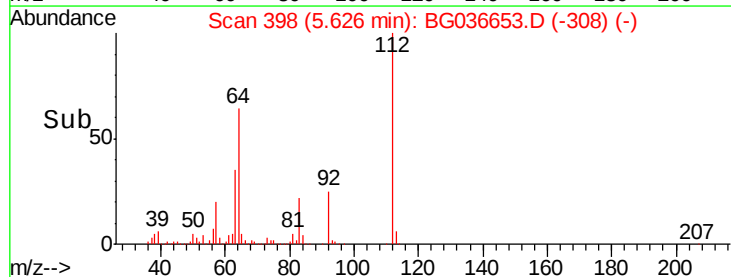
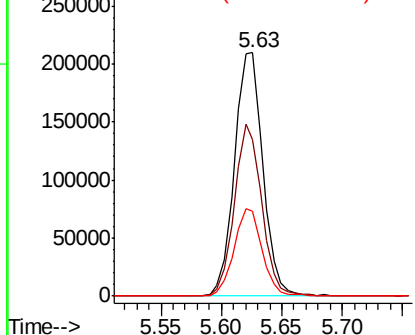


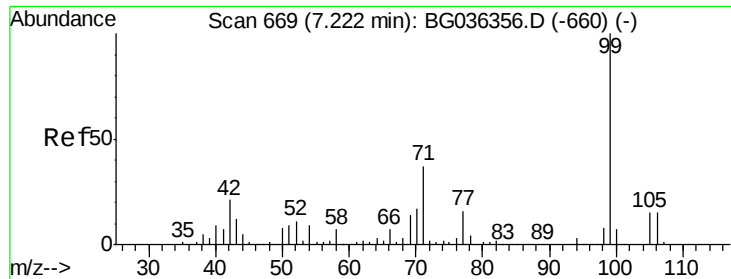
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 97.343 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Instrument :

BNA_G

ClientSampleId :

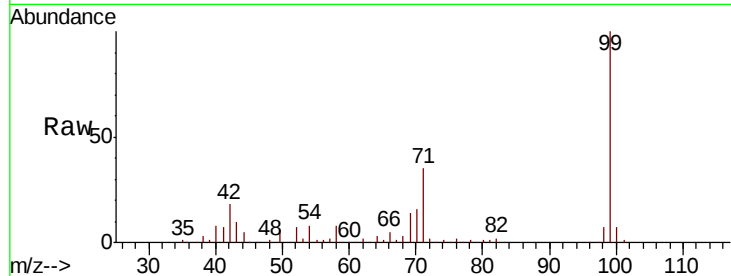
Tot Ion: 99 Resp: 495667

Ion Ratio Lower Upper

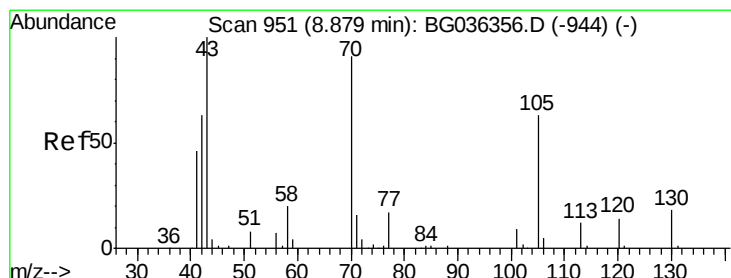
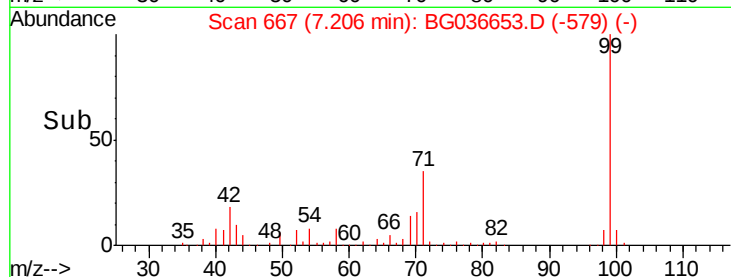
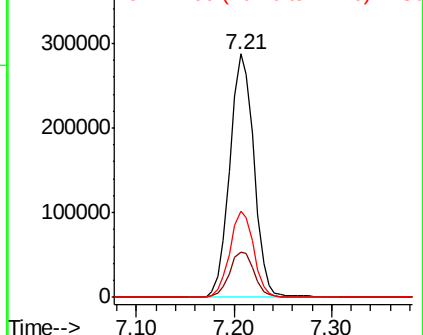
99 100

42 18.4 16.5 24.7

71 35.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.415 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Tgt Ion: 70 Resp: 58662

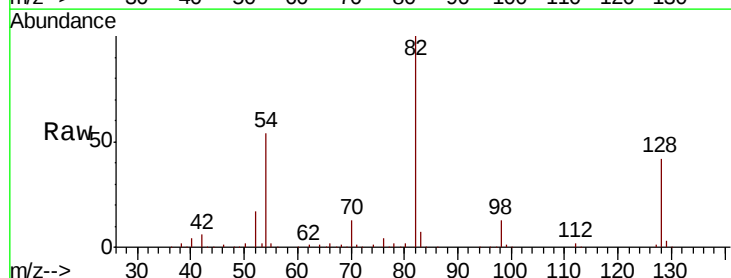
Ion Ratio Lower Upper

70 100

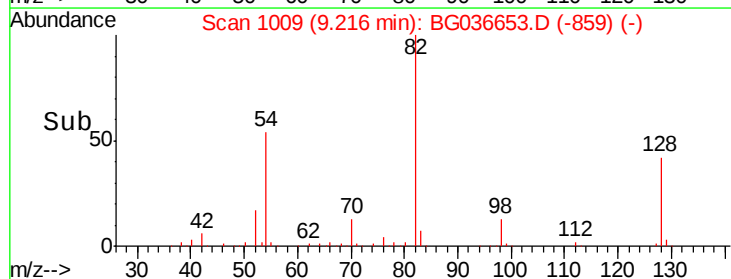
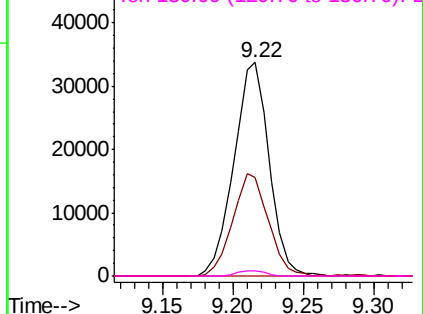
42 46.1 56.2 84.4#

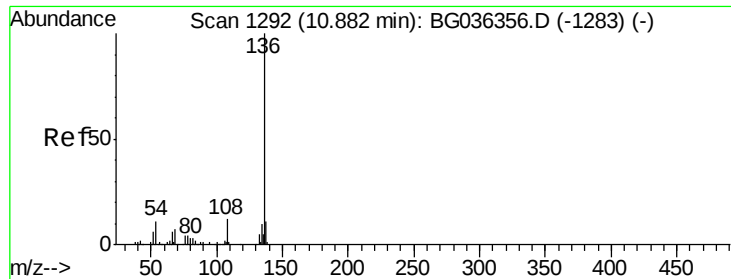
101 0.0 7.8 11.6#

130 2.4 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

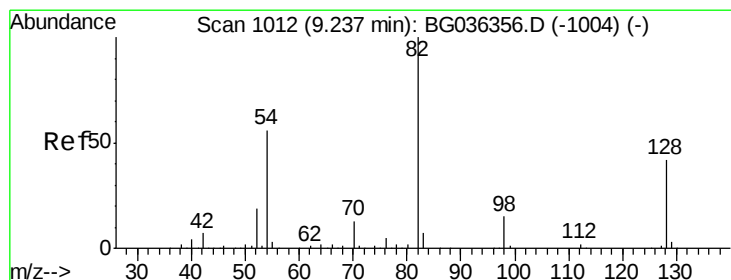
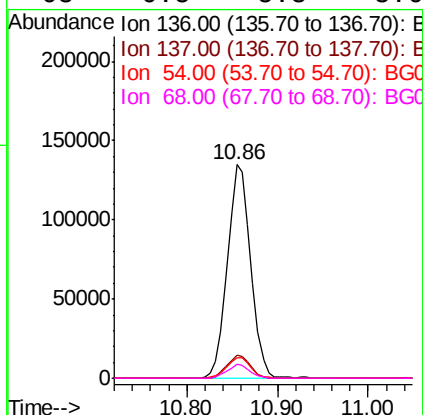
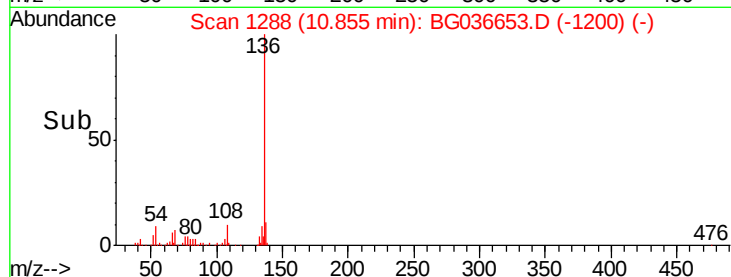
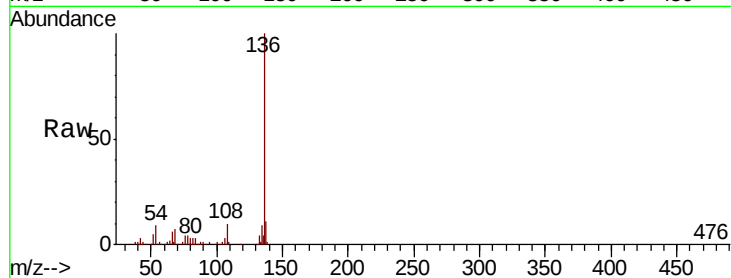




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036653.D
Acq: 11 Sep 2018 9:17

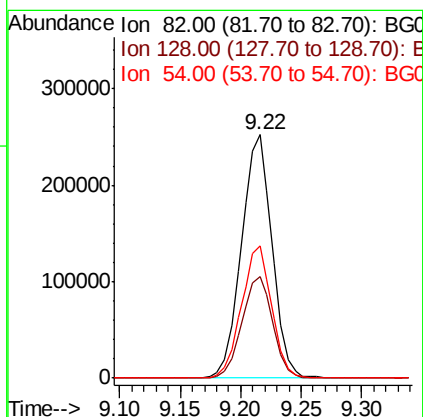
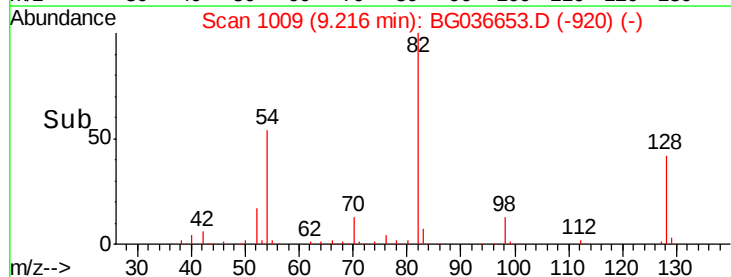
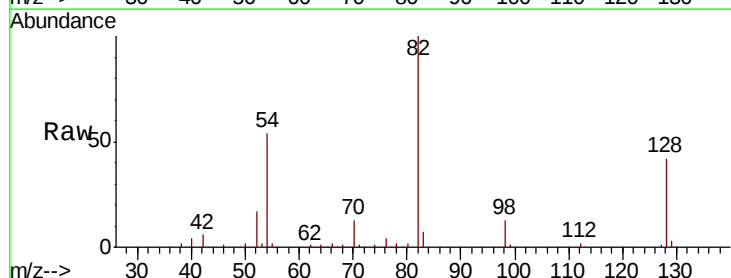
Instrument :
BNA_G
ClientSampleId :

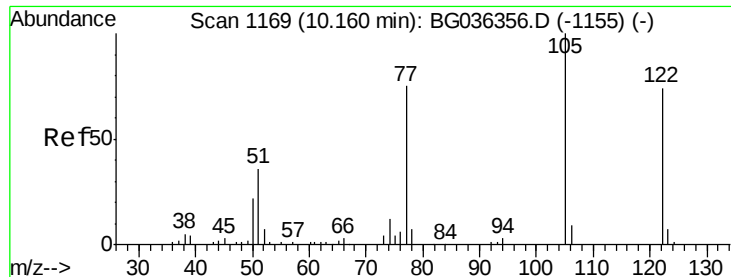
Tot Ion:136	Resp:	240087
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	9.4	9.2 13.8
68	6.5	5.8 8.6



#23
Nitrobenzene-d5
Concen: 100.379 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036653.D
Acq: 11 Sep 2018 9:17

Tgt Ion: 82	Resp:	444181
Ion Ratio	Lower	Upper
82	100	
128	41.8	33.3 49.9
54	54.4	45.1 67.7

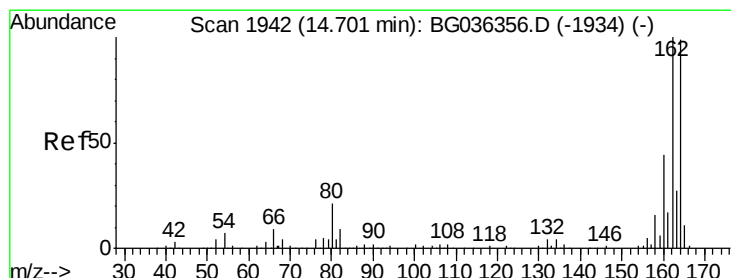
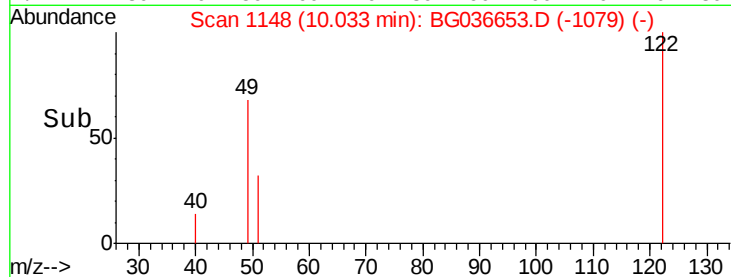
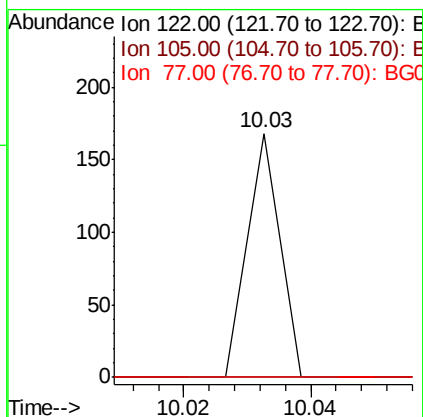
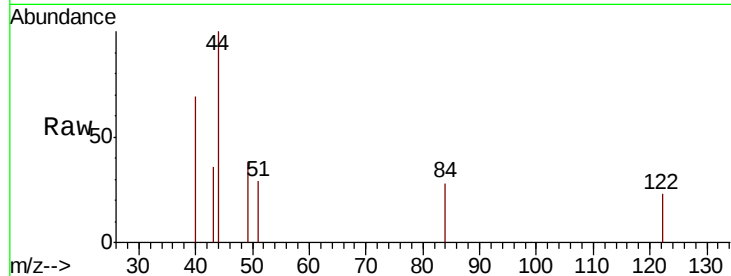




#32
Benzoic acid
Concen: 4.500 ng
RT: 10.03 min Scan# 1148
Delta R.T. -0.12 min
Lab File: BG036653.D
Acq: 11 Sep 2018 9:17

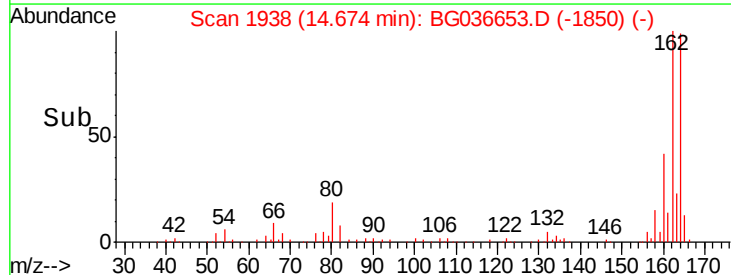
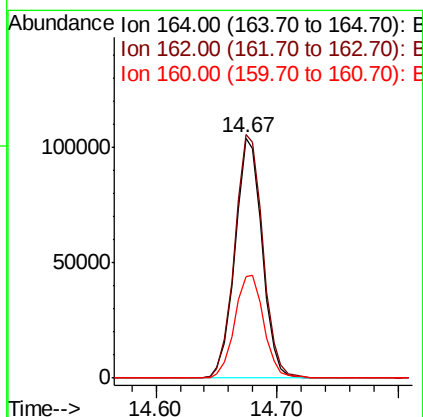
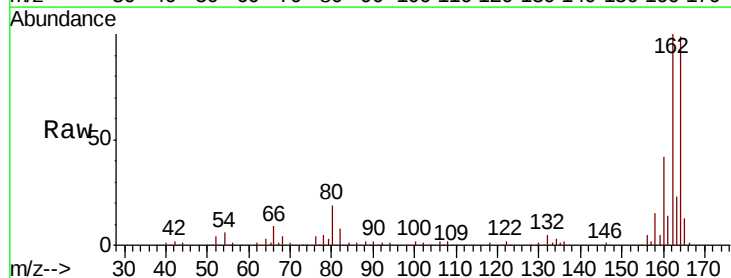
Instrument :
BNA_G
ClientSampleId :

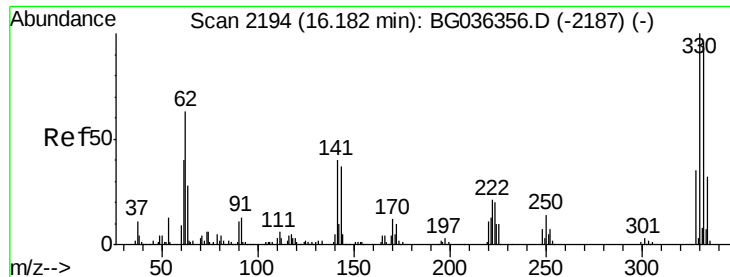
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.1	148.1#
77	0.0	76.3	116.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG036653.D
Acq: 11 Sep 2018 9:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.7	121.1
160	42.0	35.3	52.9

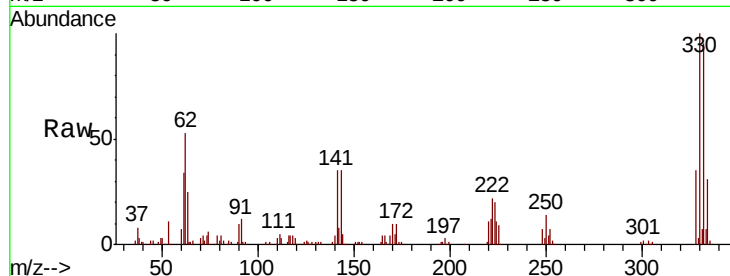




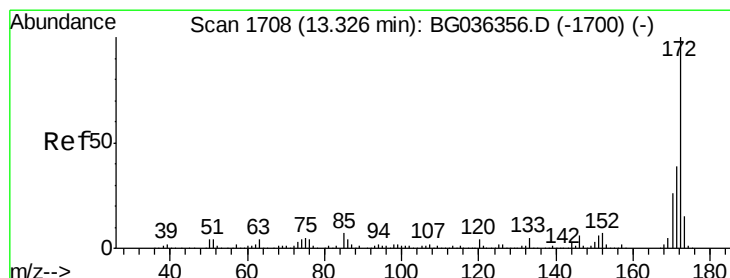
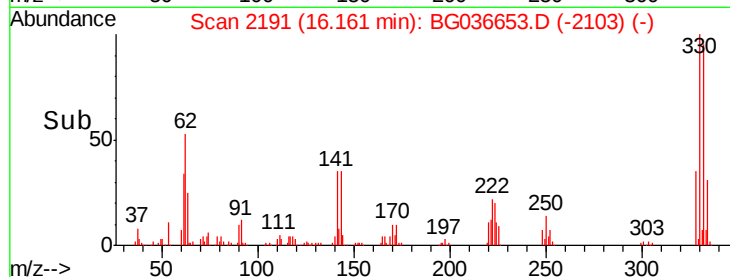
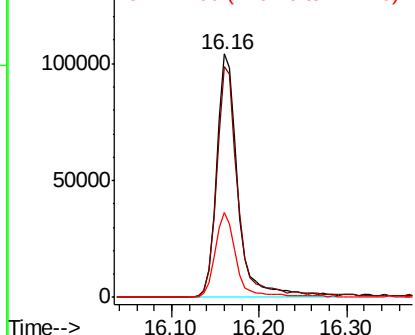
#41
 2,4,6-Tribromophenol
 Concen: 91.229 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036653.D
 Acq: 11 Sep 2018 9:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	75.4	113.2
141	34.2	30.7	46.1

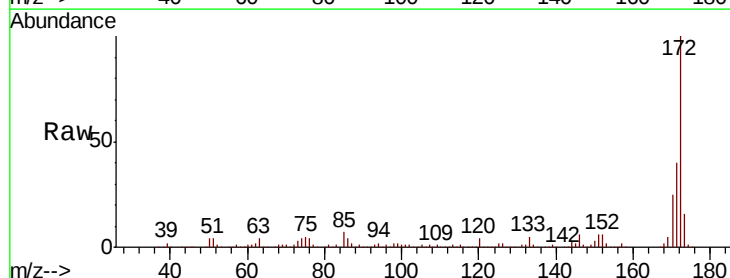


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

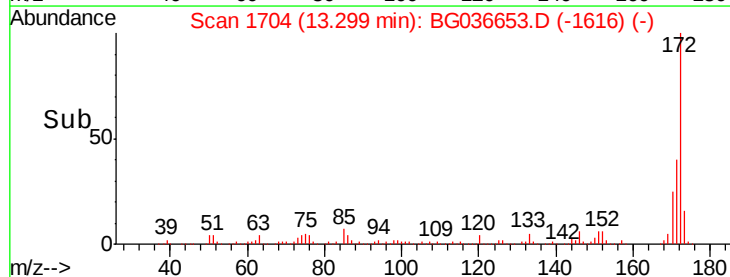
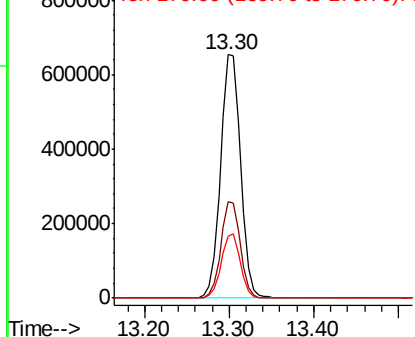


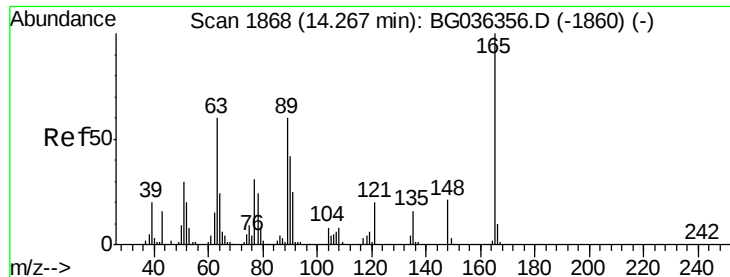
#44
 2-Fluorobiphenyl
 Concen: 94.563 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036653.D
 Acq: 11 Sep 2018 9:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.7	31.3	46.9
170	25.3	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: 7.904 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Instrument :

BNA_G

ClientSampleId :

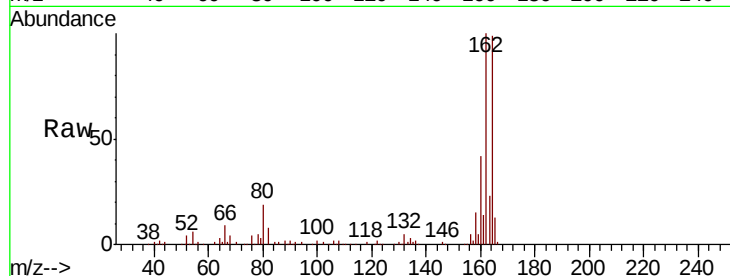
Tot Ion:165 Resp: 21620

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

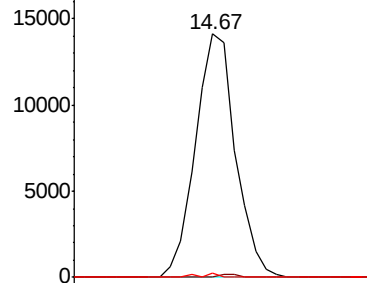
89 2.0 47.8 71.6#



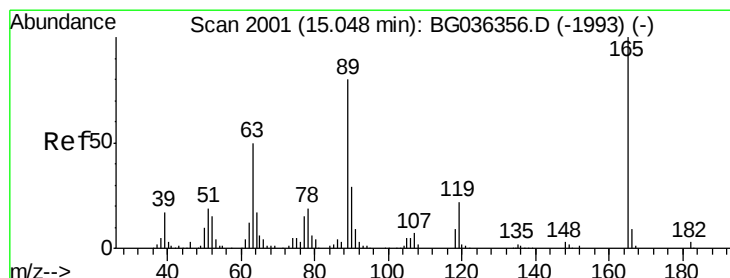
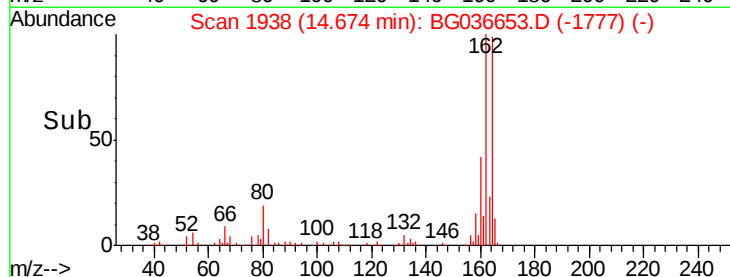
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time--> 14.60 14.65 14.70



#56

2,4-Dinitrotoluene

Concen: 6.065 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.36 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Tgt Ion:165 Resp: 21620

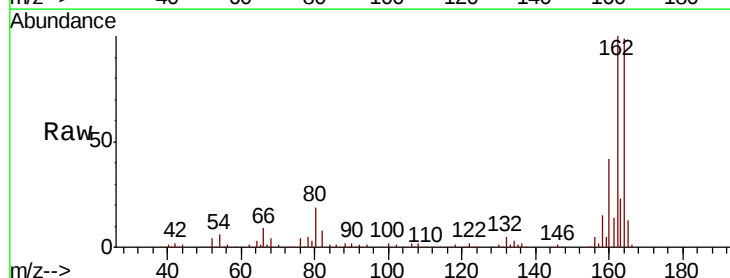
Ion Ratio Lower Upper

165 100

63 0.0 40.1 60.1#

89 2.0 63.7 95.5#

182 0.0 2.5 3.7#

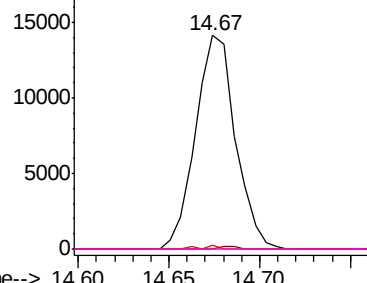


Abundance Ion 165.00 (164.70 to 165.70): E

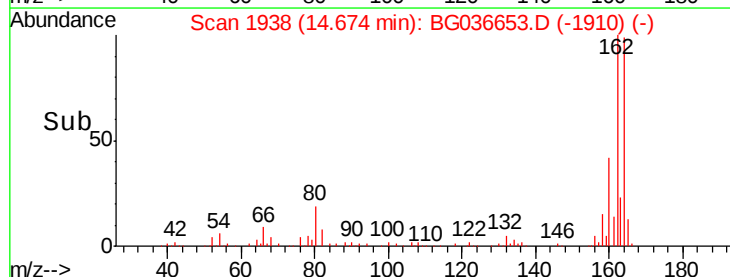
Ion 63.00 (62.70 to 63.70): BGC

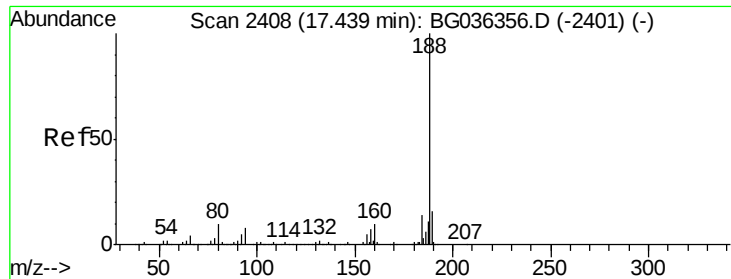
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.60 14.65 14.70





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Instrument :

BNA_G

ClientSampleId :

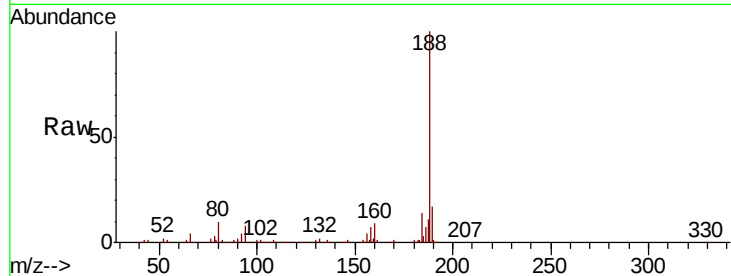
Tot Ion:188 Resp: 414724

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

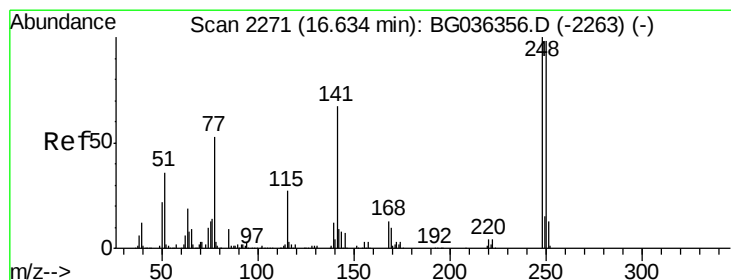
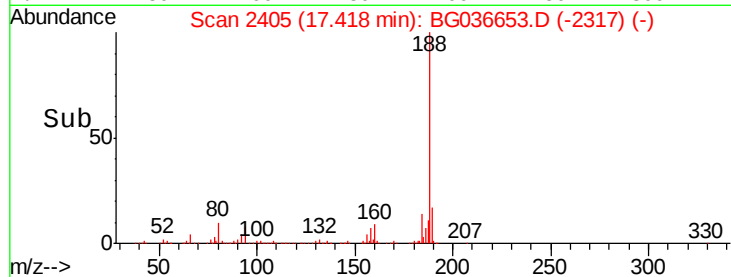
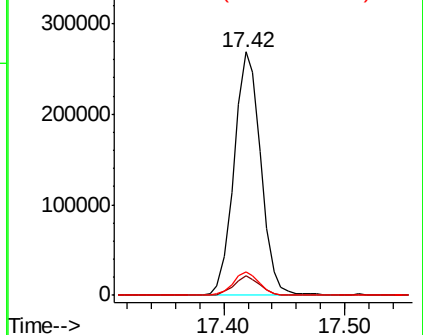
80 9.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 2.469 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.46 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

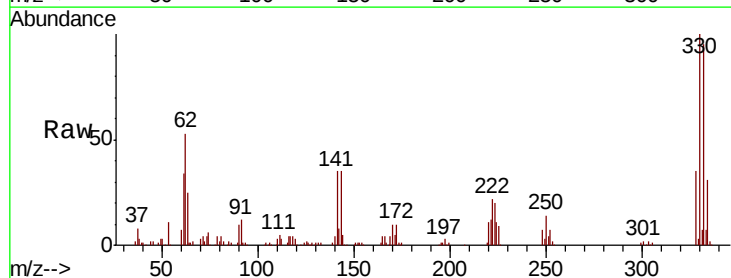
Tgt Ion:248 Resp: 11989

Ion Ratio Lower Upper

248 100

250 191.8 78.1 117.1#

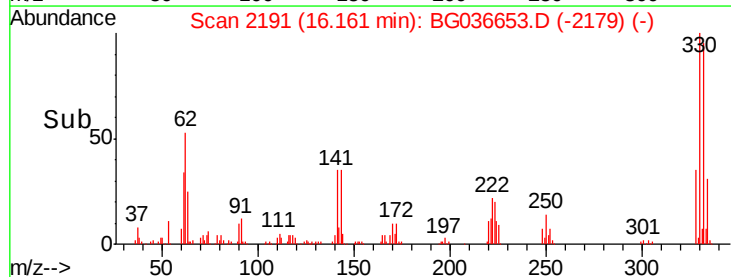
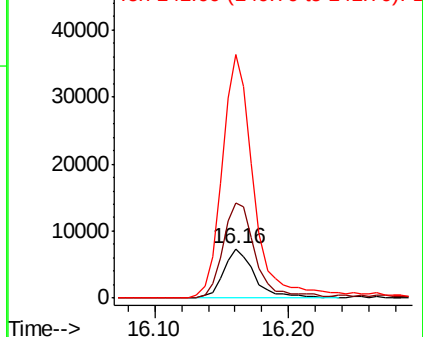
141 491.5 53.7 80.5#

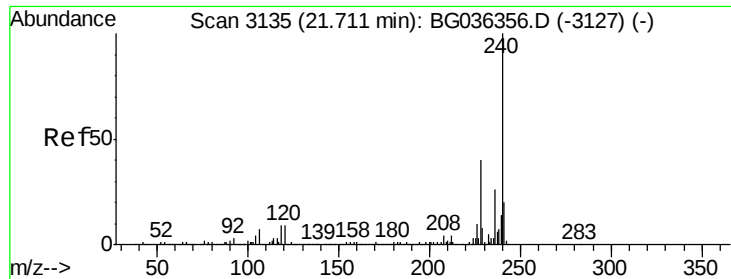


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Instrument :

BNA_G

ClientSampleId :

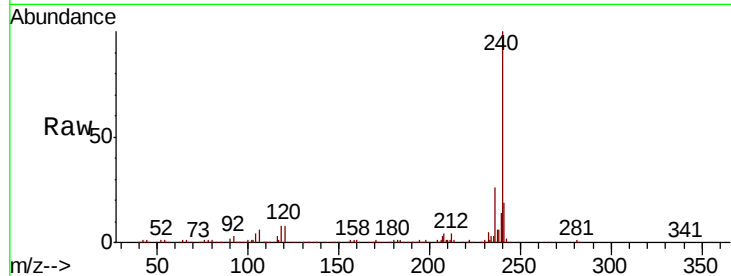
Tot Ion:240 Resp: 423635

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

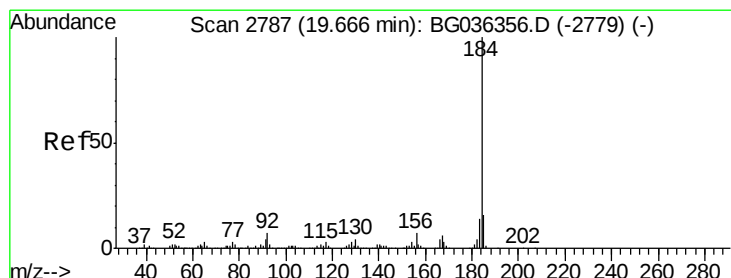
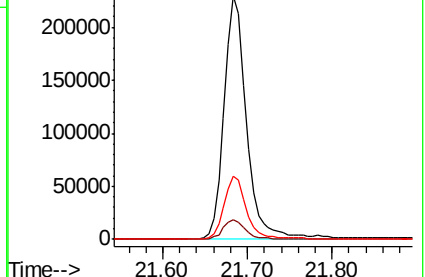
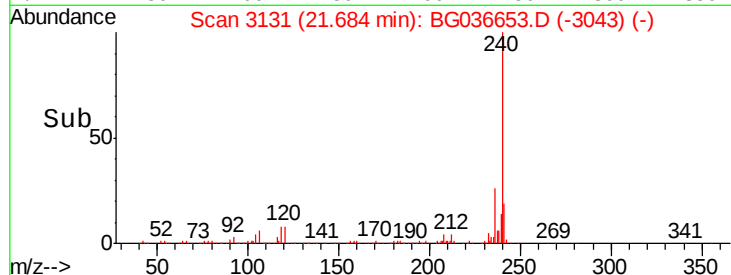
236 25.9 21.2 31.8



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



#76

Benzidine

Concen: 2.395 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

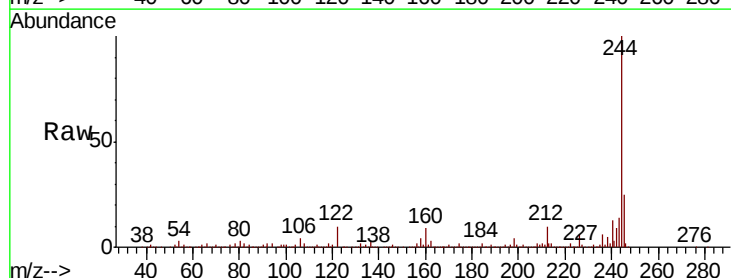
Tgt Ion:184 Resp: 32367

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

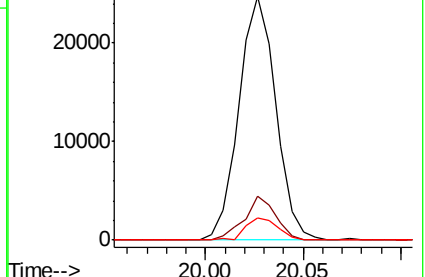
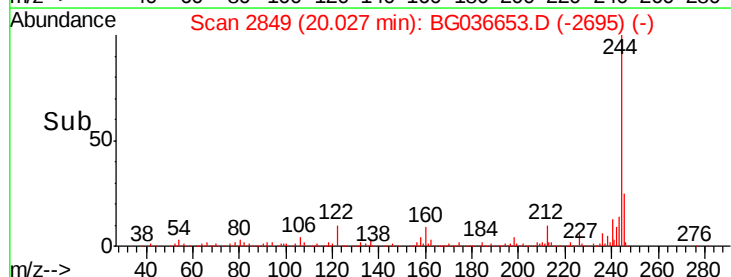
183 9.3 10.9 16.3#

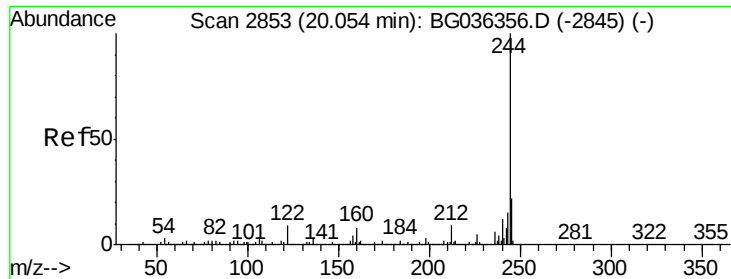


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.369 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

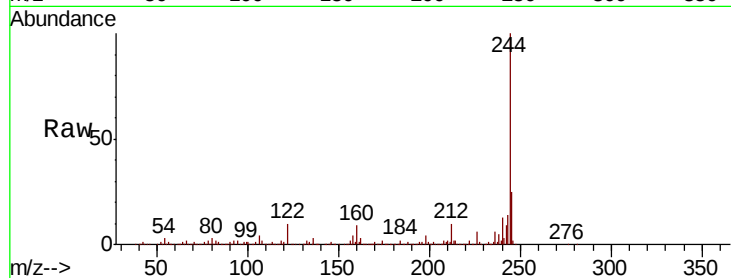
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1837280

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.6
122	10.0	7.1	10.7

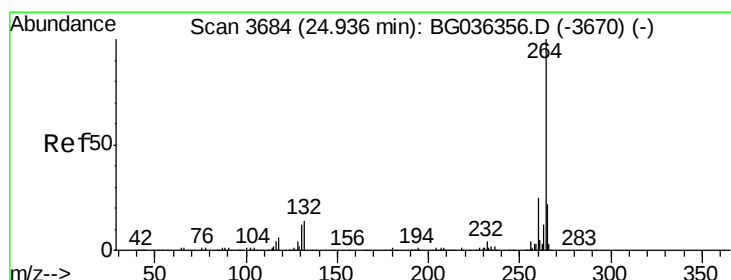
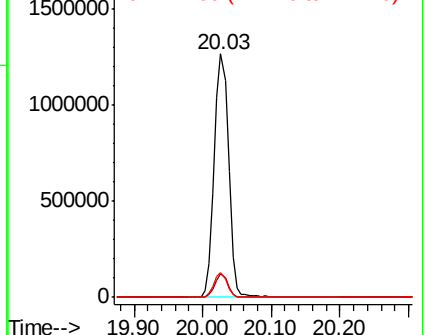
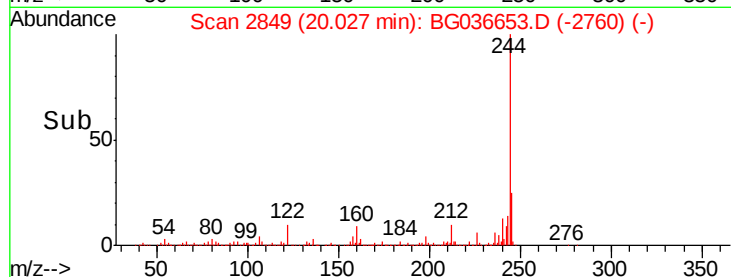


Abundance

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# 3677

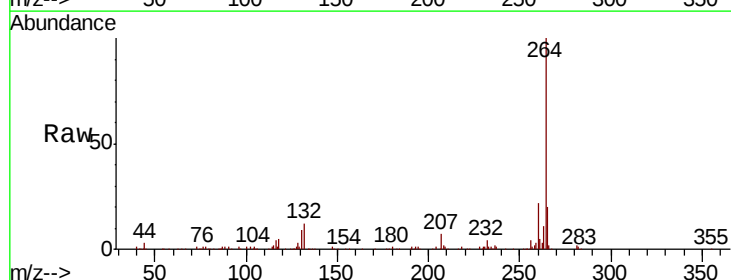
Delta R.T. -0.01 min

Lab File: BG036653.D

Acq: 11 Sep 2018 9:17

Tgt Ion:264 Resp: 360344

Ion	Ratio	Lower	Upper
264	100		
260	22.5	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

