

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036554.D
 Acq On : 5 Sep 2018 6:51
 Operator : JU/SJ
 Sample : J4759-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 08:34:12 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

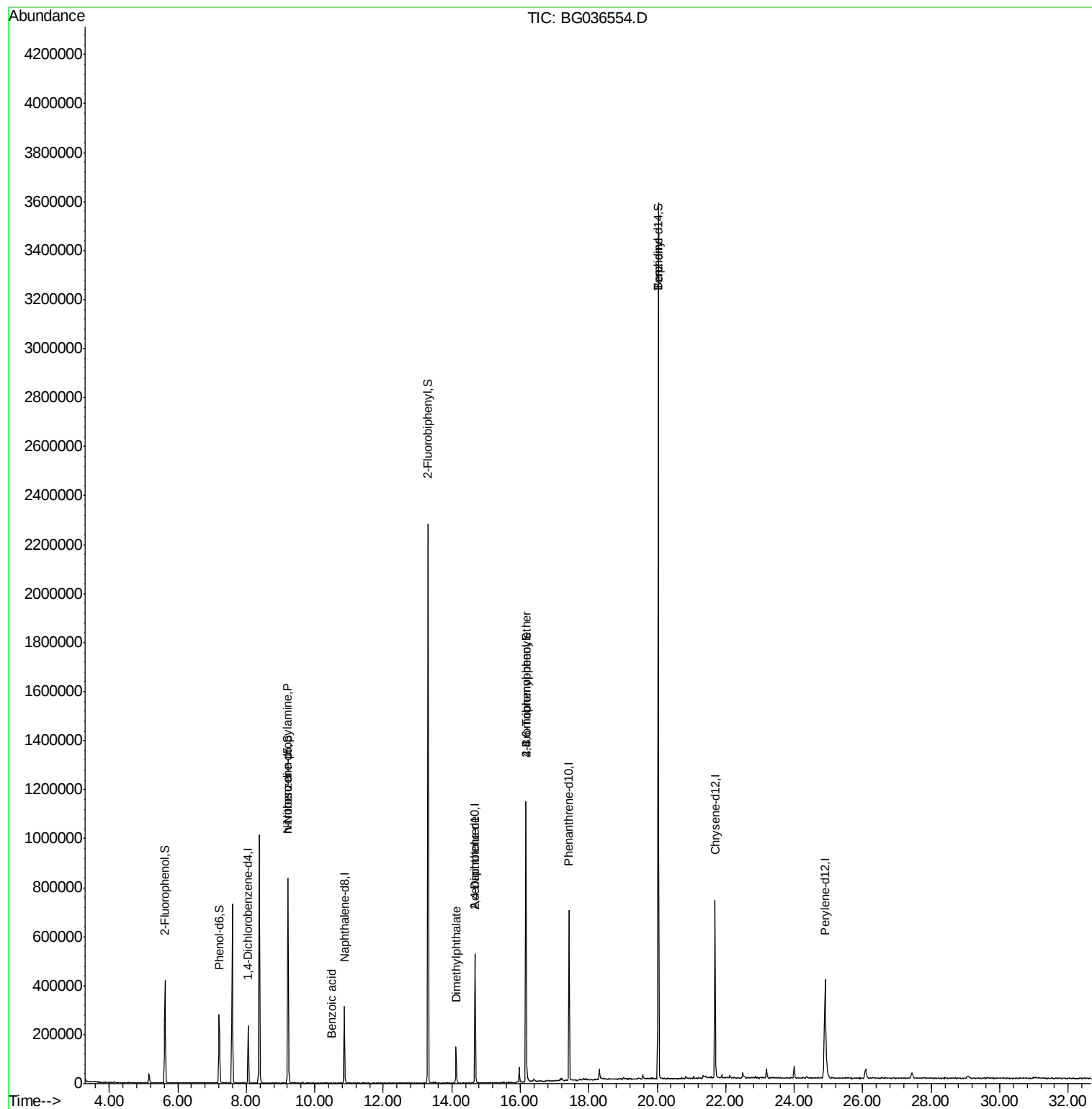
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	64116	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	270439	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	172795	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	441290	20.00	ng	0.00
75) Chrysene-d12	21.69	240	468910	20.00	ng	0.00
86) Perylene-d12	24.90	264	463598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	179444	44.40	ng	0.00
7) Phenol-d6	7.21	99	161026	27.83	ng	-0.01
23) Nitrobenzene-d5	9.22	82	512872	102.89	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	217599	105.54	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1174864	97.08	ng	0.00
78) Terphenyl-d14	20.03	244	1677998	83.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	69092	15.975	ng	# 68
32) Benzoic acid	10.48	122	60	4.498	ng	# 1
49) Dimethylphthalate	14.13	163	97575	6.915	ng	# 99
56) 2,4-Dinitrotoluene	14.68	165	23106	6.106	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	15057	2.914	ng	# 1
76) Benzidine	20.03	184	30657	2.049	ng	# 93

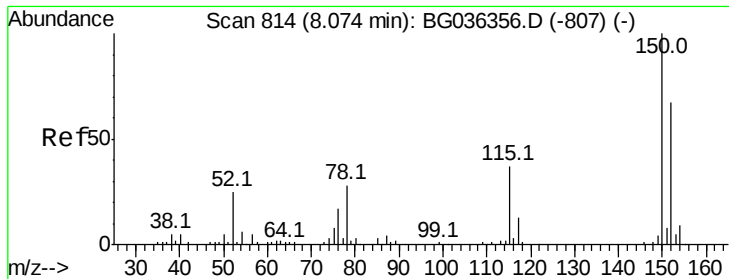
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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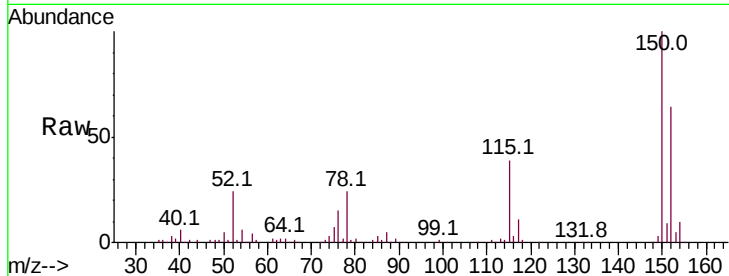


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.01 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	119.5	179.3
115	60.4	44.5	66.7

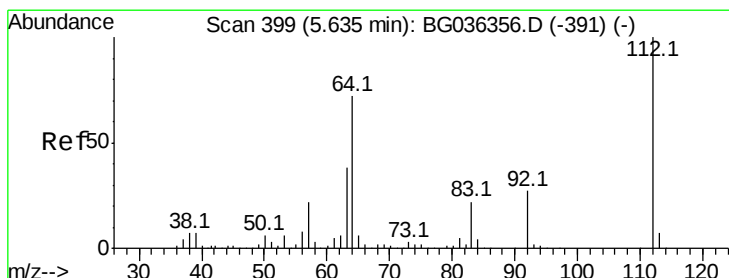
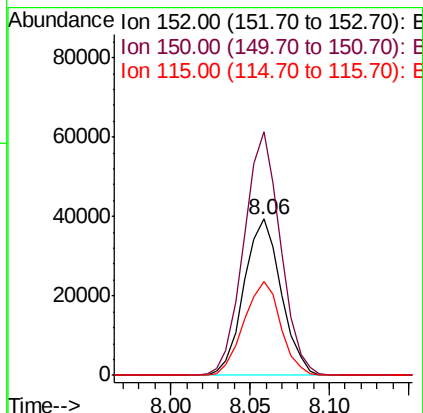
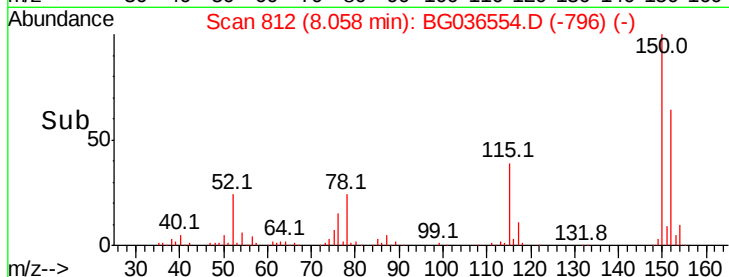


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

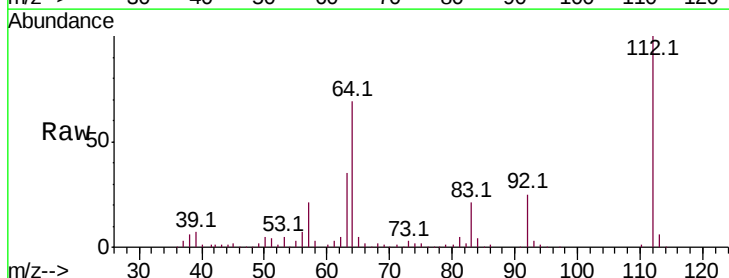
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.396 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	57.2	85.8
63	34.6	30.8	46.2

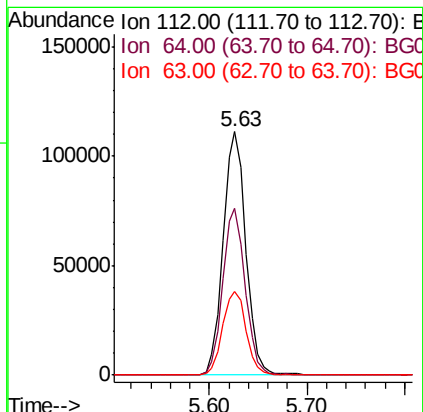
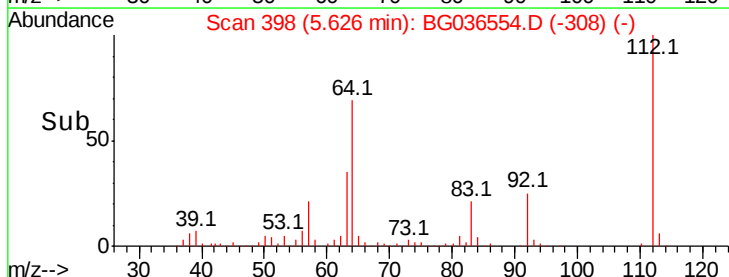


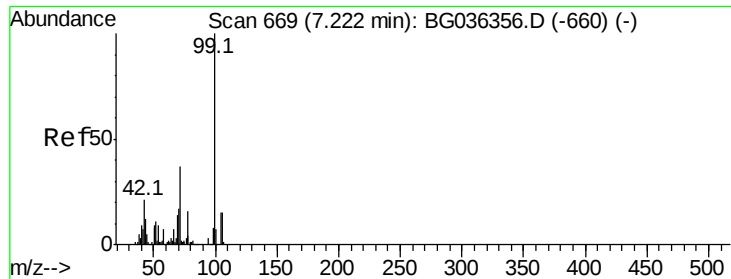
Abundance

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: 27.826 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Instrument :

BNA_G

ClientSampleId :

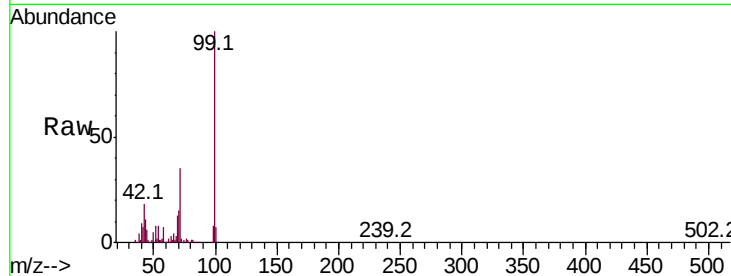
Tot Ion: 99 Resp: 161026

Ion Ratio Lower Upper

99 100

42 18.5 16.5 24.7

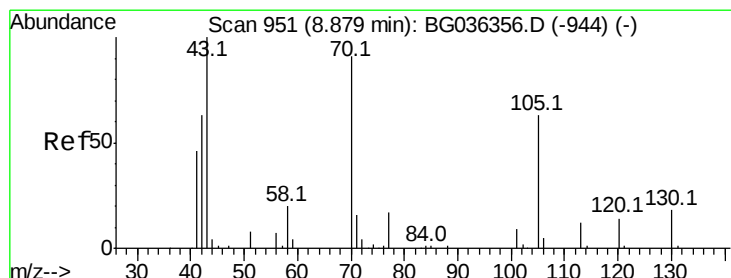
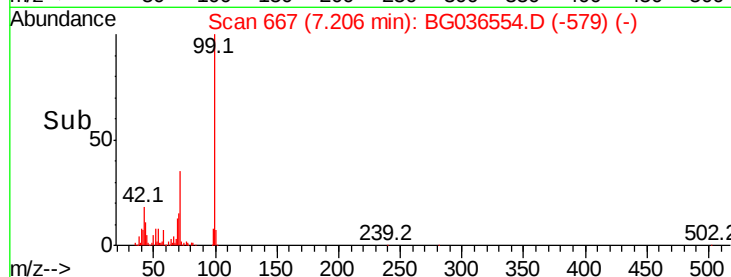
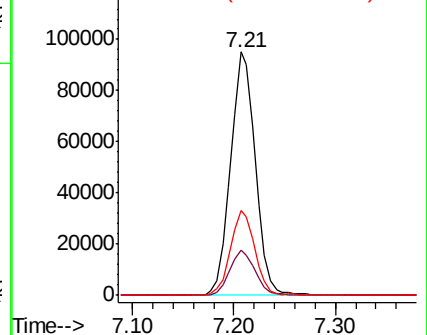
71 34.8 29.4 44.2



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: 15.975 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Tgt Ion: 70 Resp: 69092

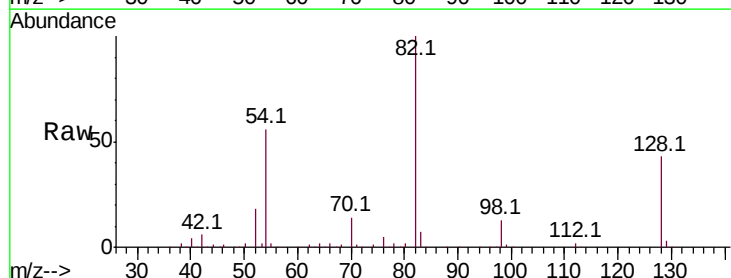
Ion Ratio Lower Upper

70 100

42 44.9 56.2 84.4#

101 0.0 7.8 11.6#

130 2.2 16.2 24.2#

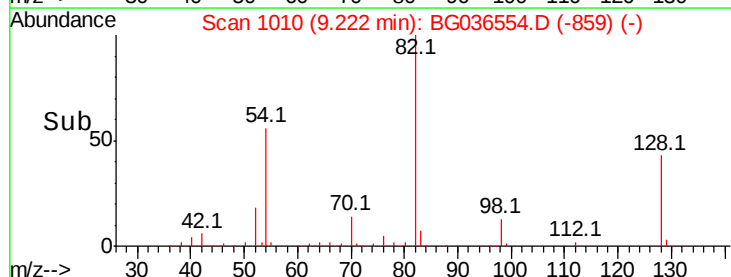
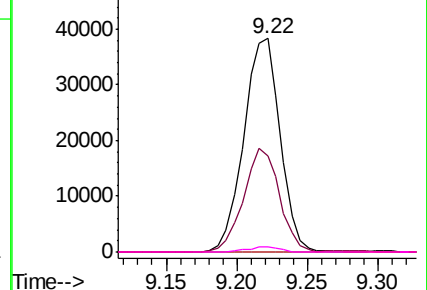


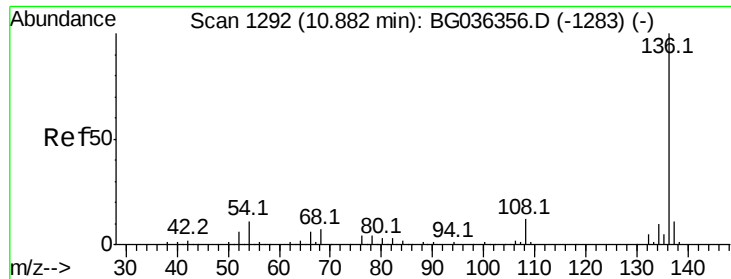
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

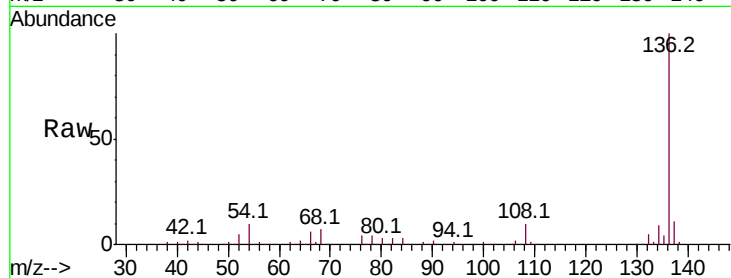




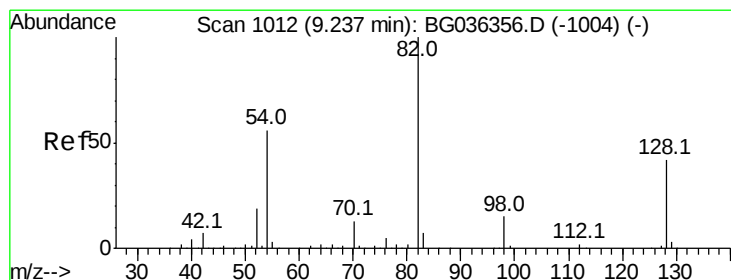
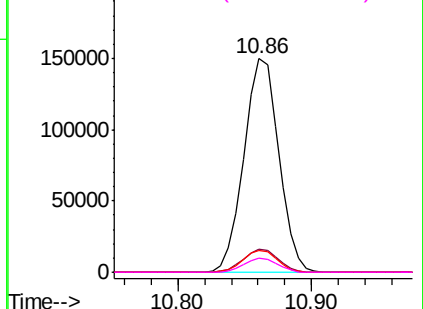
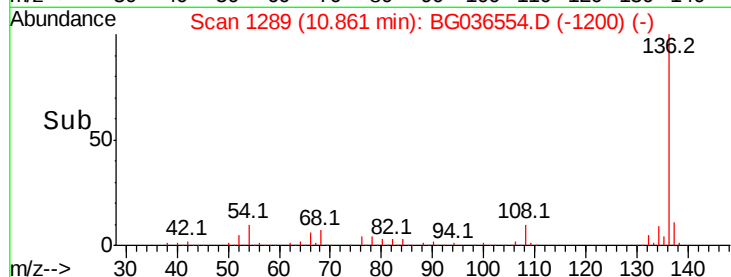
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	270439
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.4	9.2	13.8
68	6.8	5.8	8.6

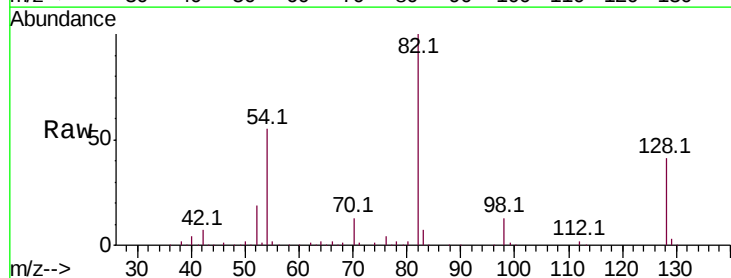


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

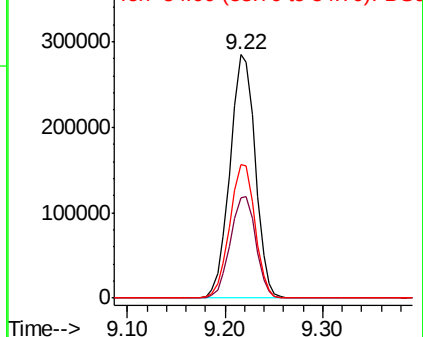
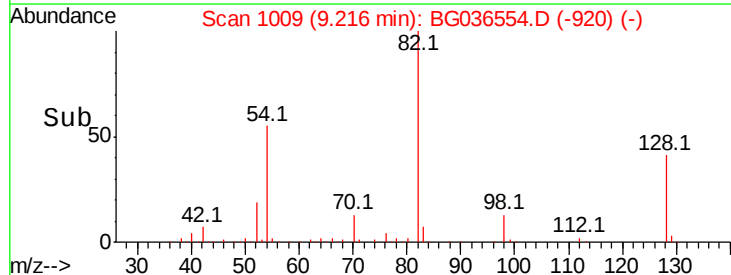


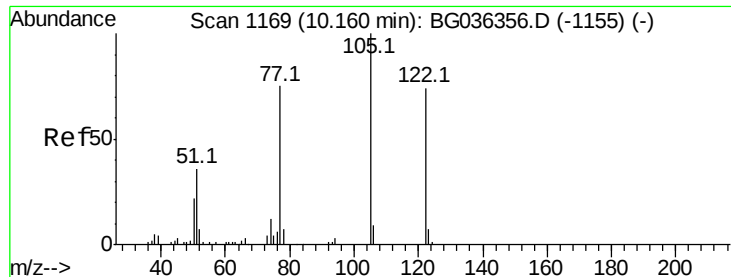
#23
Nitrobenzene-d5
Concen: 102.895 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

Tgt Ion:	82	Resp:	512872
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.3	49.9
54	54.8	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

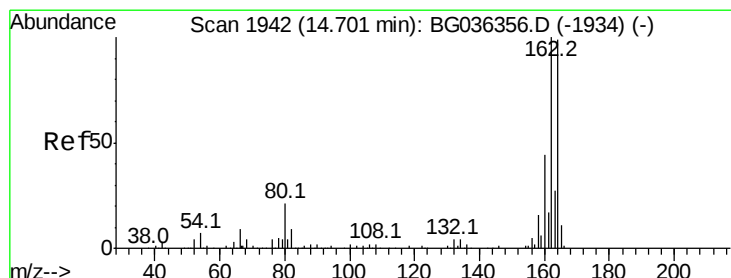
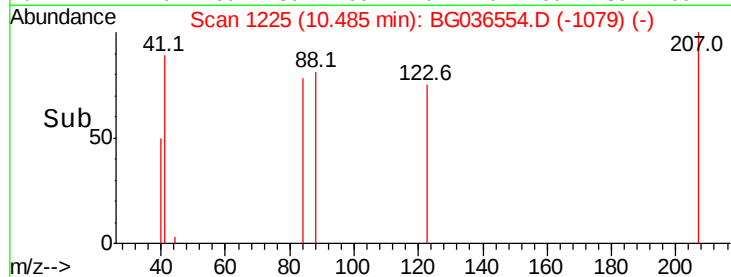
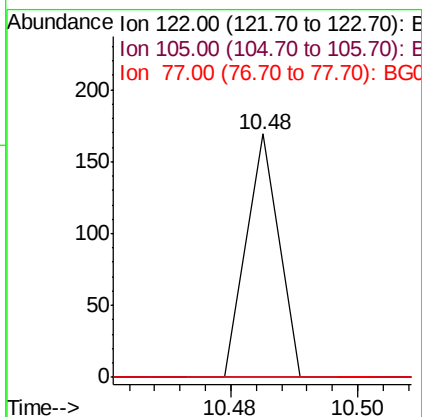
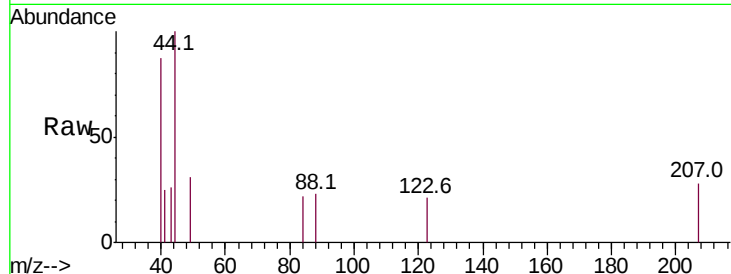




#32
Benzoic acid
Concen: 4.498 ng
RT: 10.48 min Scan# 1225
Delta R.T. 0.33 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

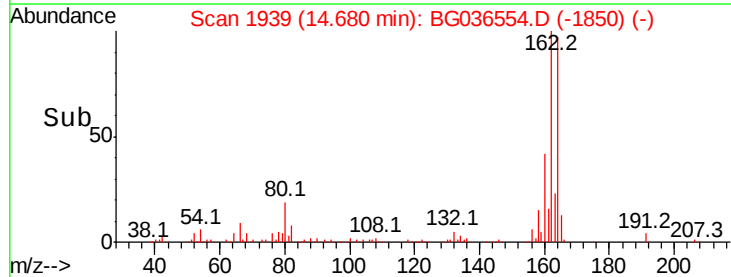
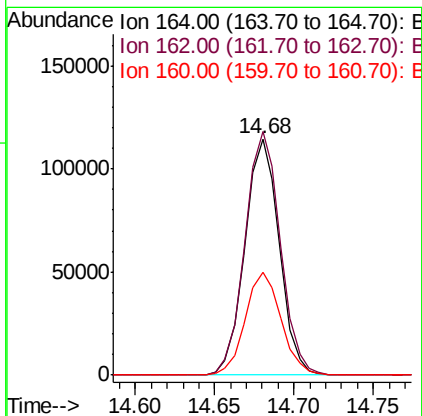
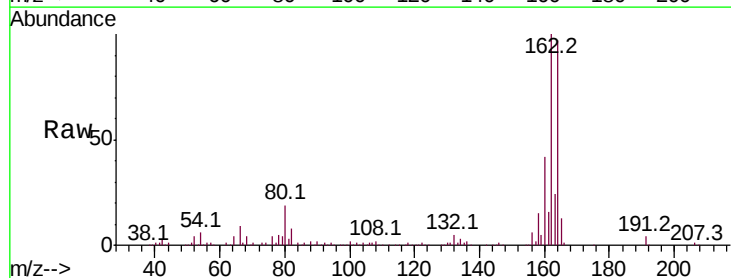
Instrument :
BNA_G
ClientSampleId :

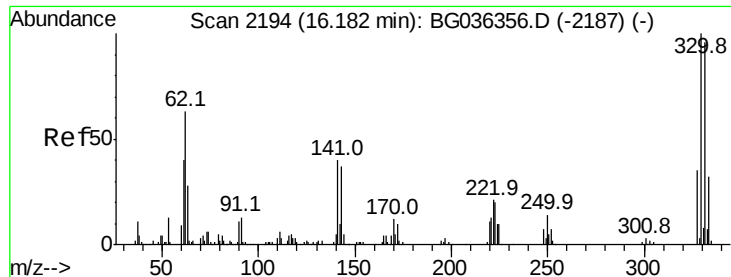
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.1	148.1#
77	0.0	76.3	116.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG036554.D
Acq: 5 Sep 2018 6:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.7	121.1
160	43.5	35.3	52.9

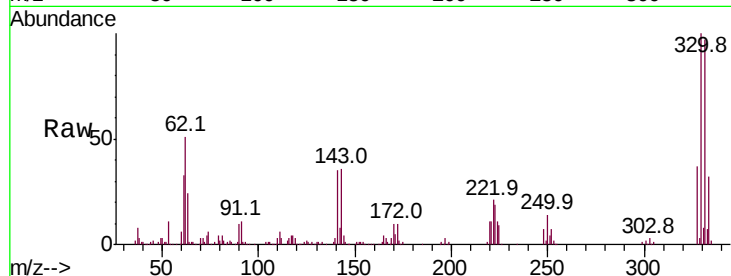




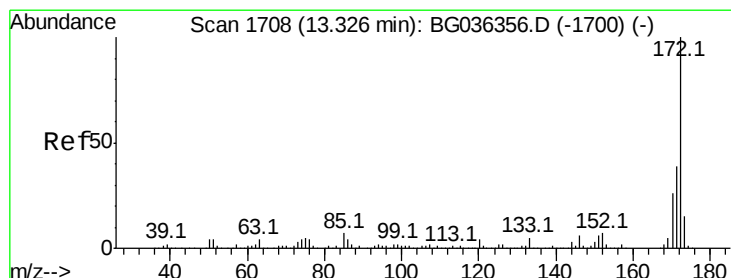
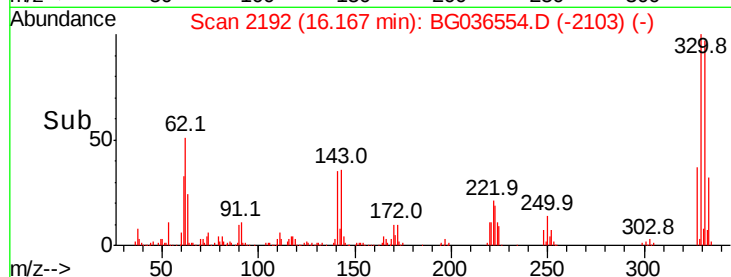
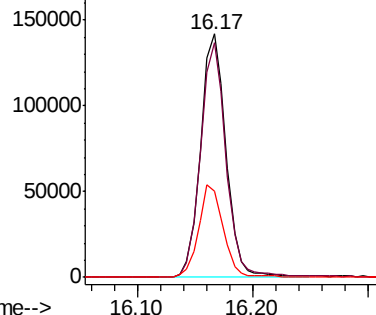
#41
 2,4,6-Tribromophenol
 Concen: 105.537 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BG036554.D
 Acq: 5 Sep 2018 6:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.4	113.2
141	36.6	30.7	46.1

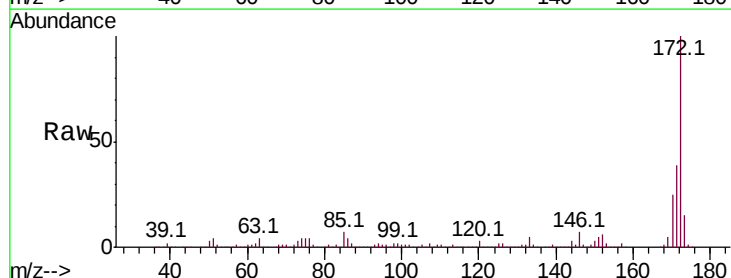


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

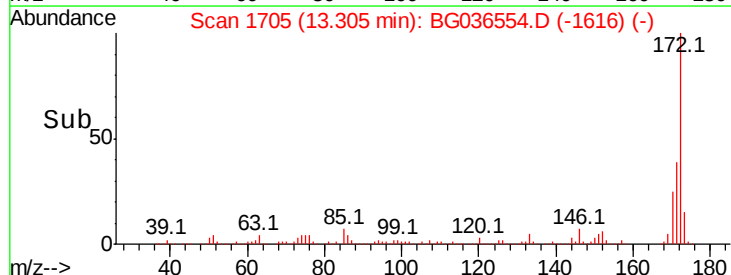
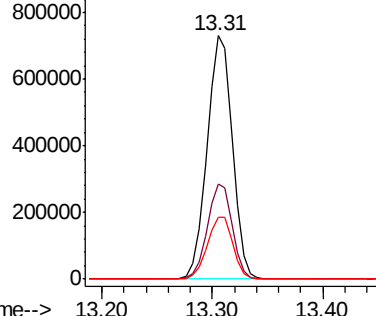


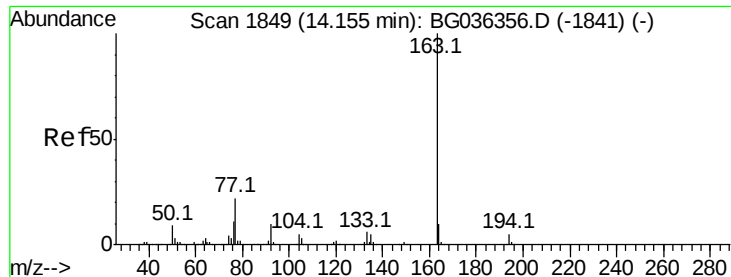
#44
 2-Fluorobiphenyl
 Concen: 97.080 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.01 min
 Lab File: BG036554.D
 Acq: 5 Sep 2018 6:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	31.3	46.9
170	25.4	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





#49

Dimethylphthalate

Concen: 6.915 ng

RT: 14.13 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Instrument :

BNA_G

ClientSampleId :

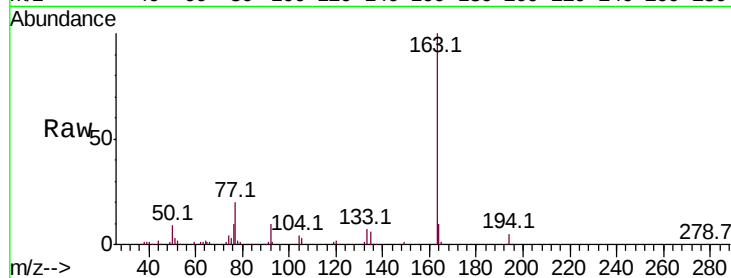
Tot Ion:163 Resp: 97575

Ion Ratio Lower Upper

163 100

194 5.4 4.0 6.0

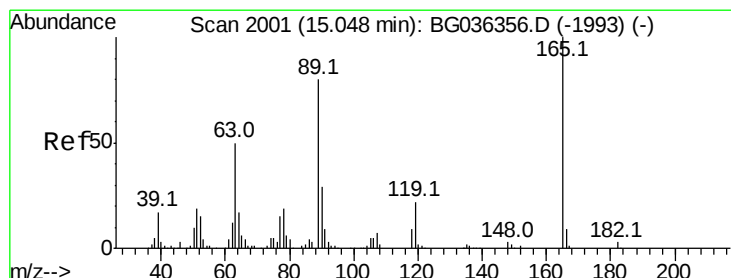
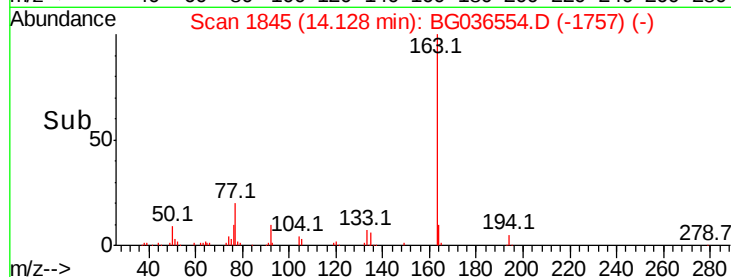
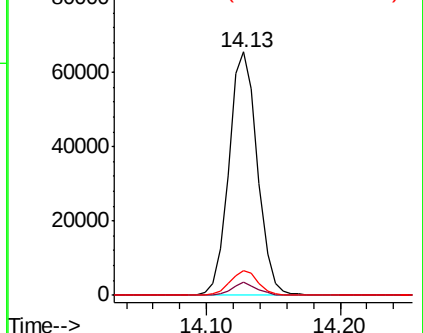
164 10.3 8.1 12.1



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



#56

2,4-Dinitrotoluene

Concen: 6.106 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.36 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Tgt Ion:165 Resp: 23106

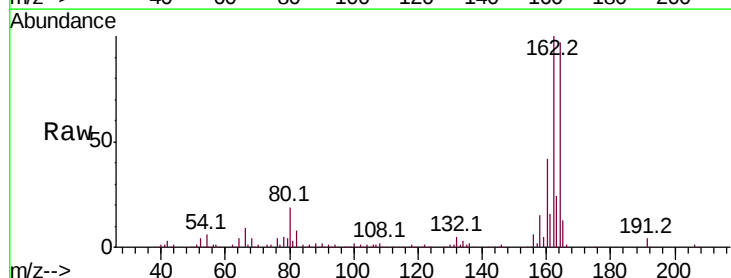
Ion Ratio Lower Upper

165 100

63 1.9 40.1 60.1#

89 1.2 63.7 95.5#

182 0.0 2.5 3.7#

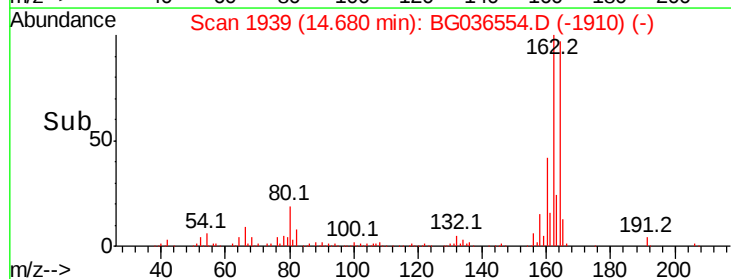
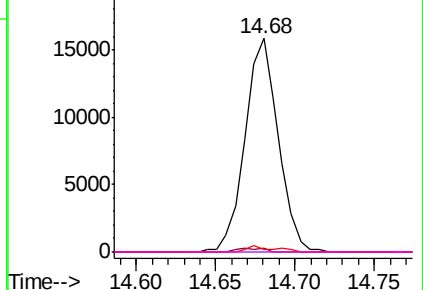


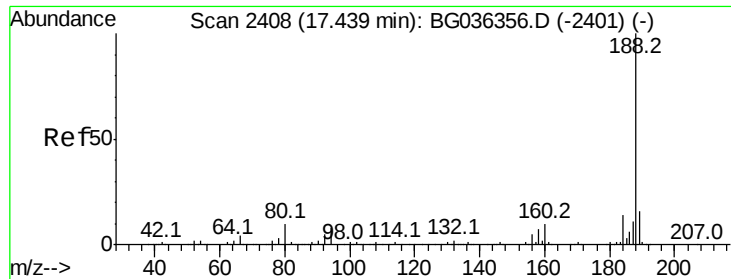
Abundance Ion 165.00 (164.70 to 165.70): E

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

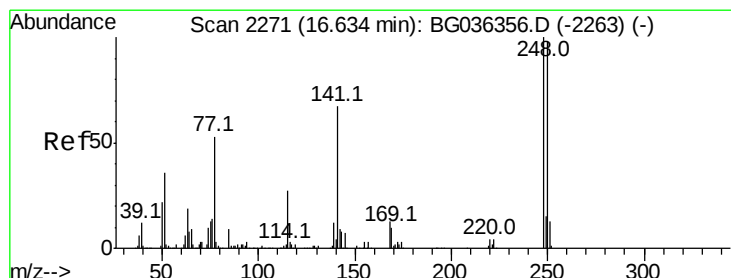
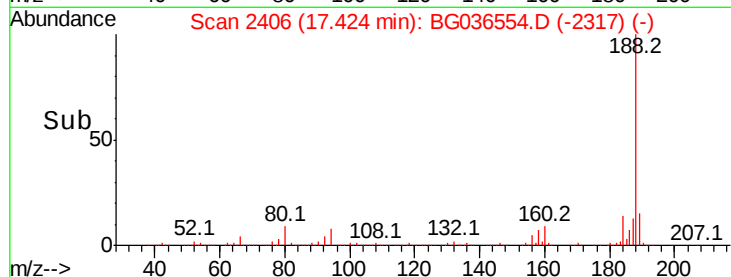
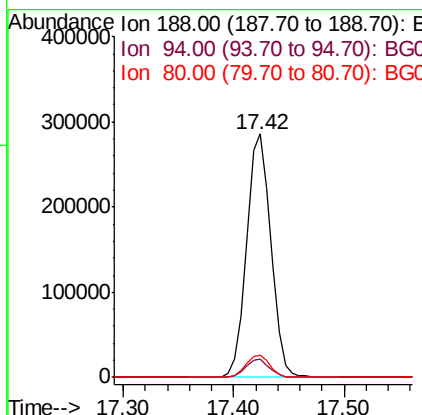
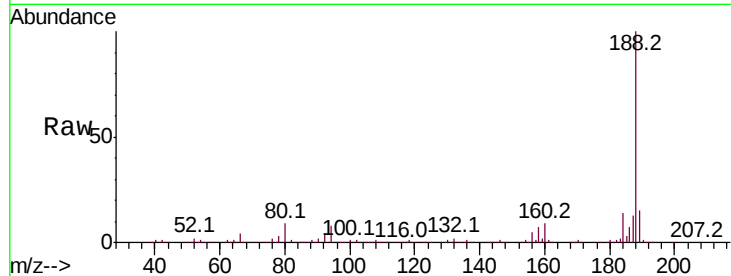




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG036554.D
 Acq: 5 Sep 2018 6:51

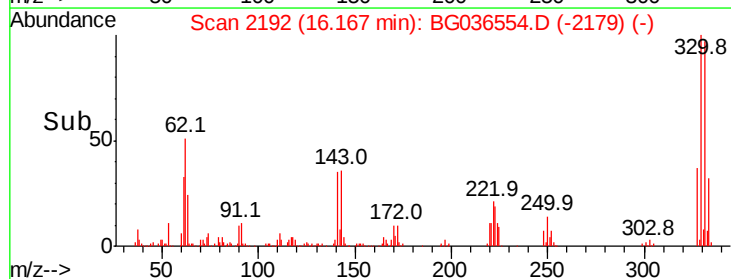
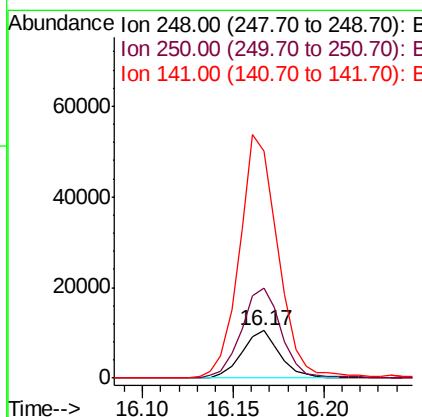
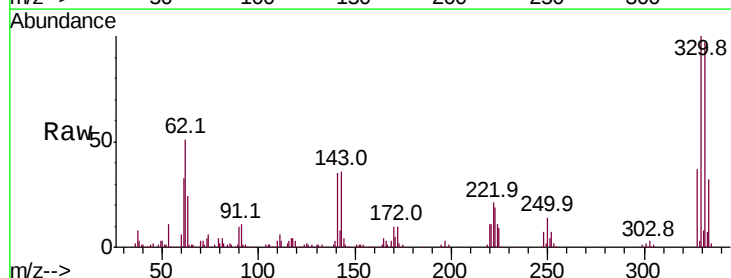
Instrument :
 BNA_G
 ClientSampleId :

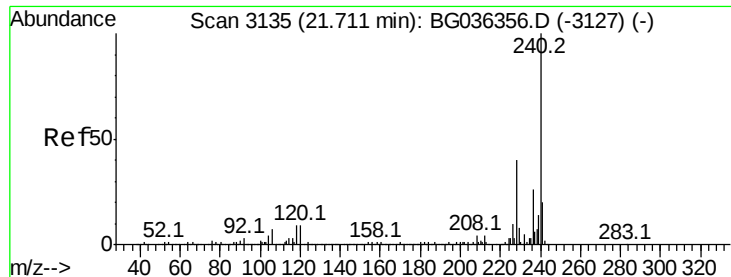
Tot Ion:188 Resp: 441290
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.7 10.1
 80 9.1 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 2.914 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.45 min
 Lab File: BG036554.D
 Acq: 5 Sep 2018 6:51

Tgt Ion:248 Resp: 15057
 Ion Ratio Lower Upper
 248 100
 250 191.6 78.1 117.1#
 141 479.6 53.7 80.5#





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Instrument :

BNA_G

ClientSampleId :

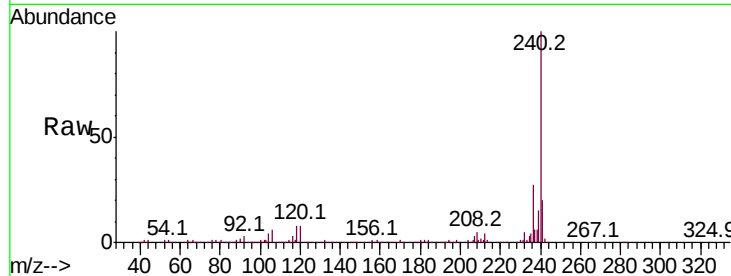
Tot Ion:240 Resp: 468910

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

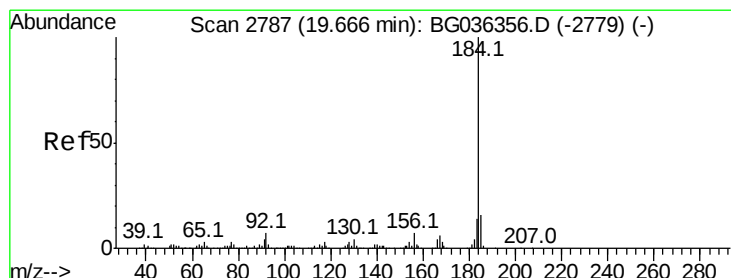
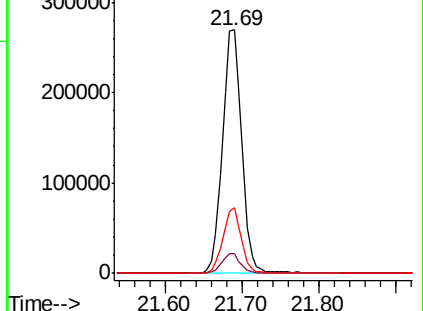
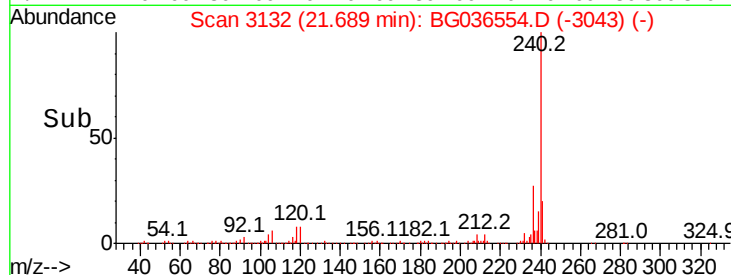
236 27.0 21.2 31.8



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: 2.049 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

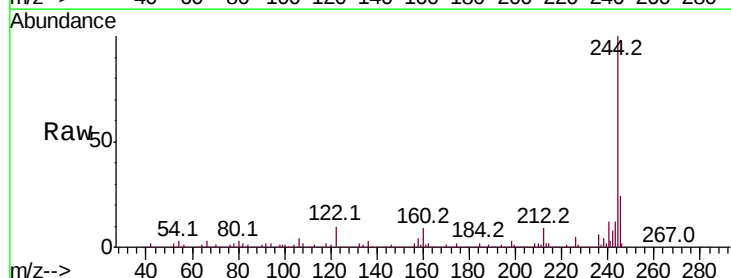
Tgt Ion:184 Resp: 30657

Ion Ratio Lower Upper

184 100

185 16.6 12.6 18.8

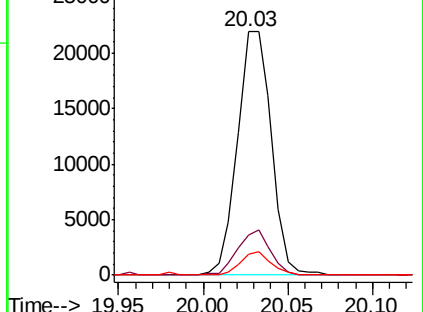
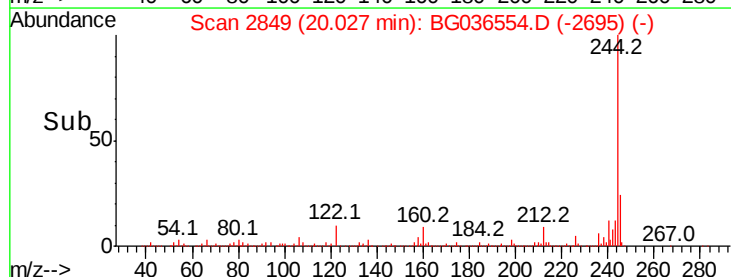
183 8.5 10.9 16.3#

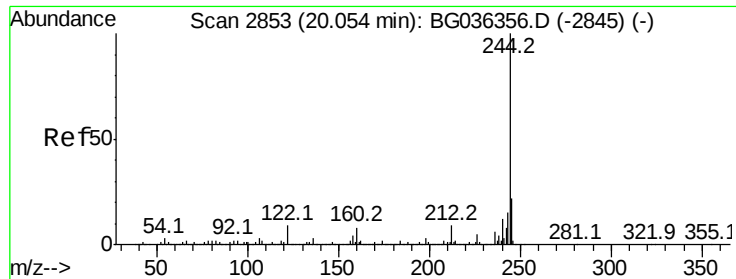


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 83.642 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

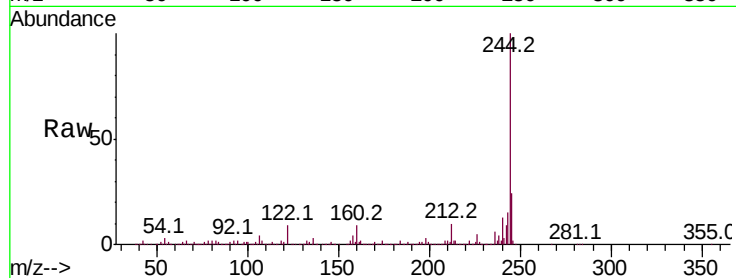
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1677998

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.0	10.6
122	9.4	7.1	10.7

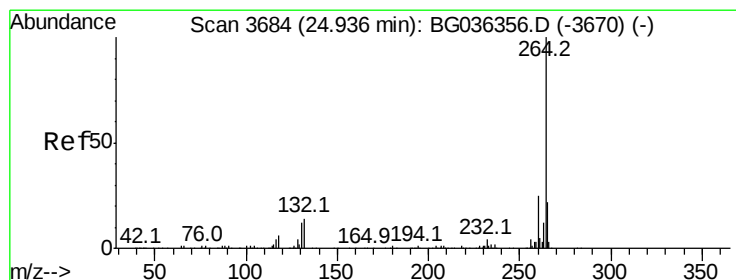
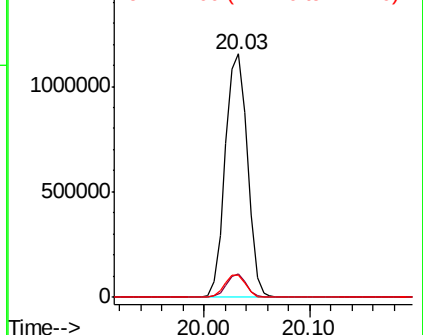
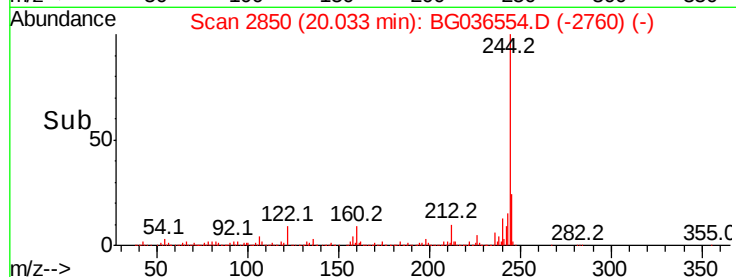


Abundance

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: 24.90 min Scan# 3678

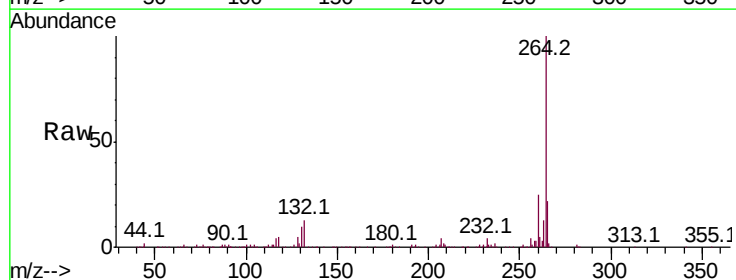
Delta R.T. -0.01 min

Lab File: BG036554.D

Acq: 5 Sep 2018 6:51

Tgt Ion:264 Resp: 463598

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.0	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

