

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040953.D
 Acq On : 30 May 2019 15:45
 Operator : HP/JU
 Sample : K2838-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:03:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

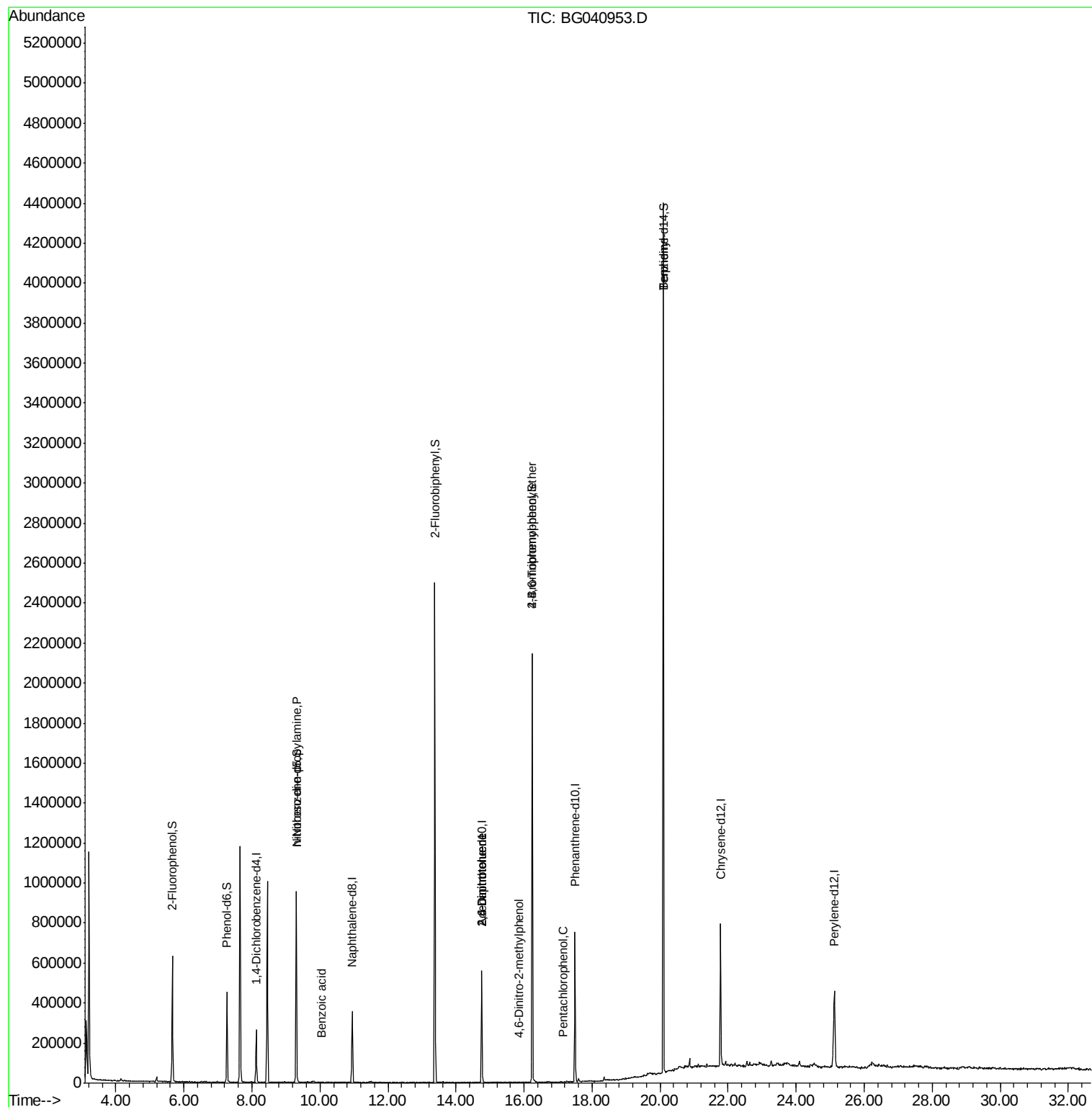
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	67913	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	278118	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	197432	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	457540	20.00	ng	0.00
76) Chrysene-d12	21.78	240	438870	20.00	ng	0.00
87) Perylene-d12	25.12	264	475791	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	241816	64.21	ng	0.00
7) Phenol-d6	7.27	99	228818	39.34	ng	0.00
23) Nitrobenzene-d5	9.31	82	561040	89.55	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	396890	135.41	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1288768	94.01	ng	0.00
79) Terphenyl-d14	20.09	244	1921827	92.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.31	70	81430	18.192	ng	# 73
32) Benzoic acid	10.05	122	55	8.144	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	26143	7.255	ng	# 21
57) 2,4-Dinitrotoluene	14.75	165	26143	5.136	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.85	198	54	8.608	ng	# 36
67) 4-Bromophenyl-phenylether	16.24	248	29184	4.726	ng	# 1
70) Pentachlorophenol	17.13	266	65	4.273	ng	# 18
77) Benzidine	20.09	184	36661	3.502	ng	# 94

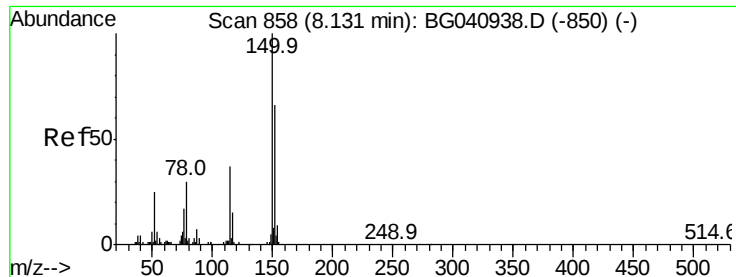
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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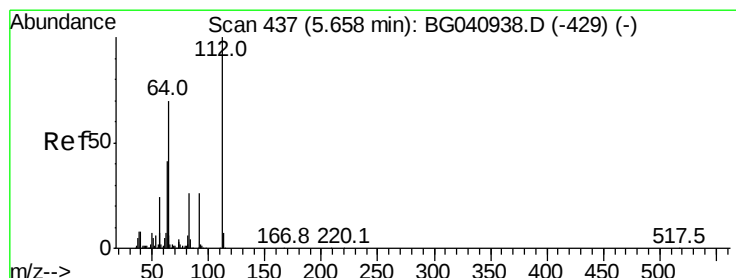
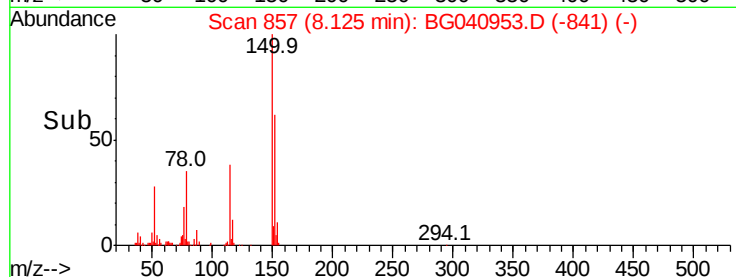
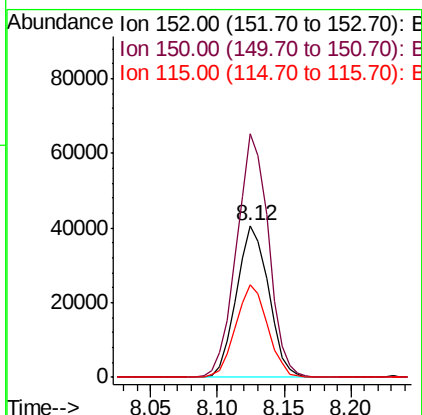
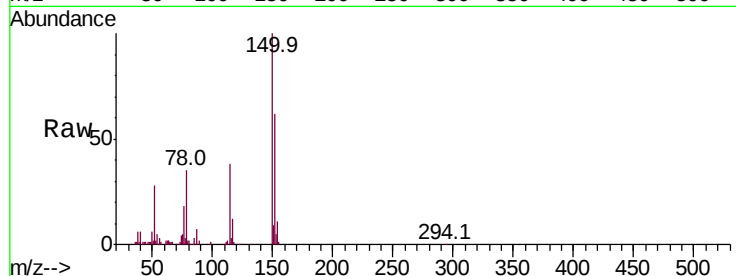


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040953.D
Acq: 30 May 2019 15:45

Instrument :
BNA_G
ClientSampleId :

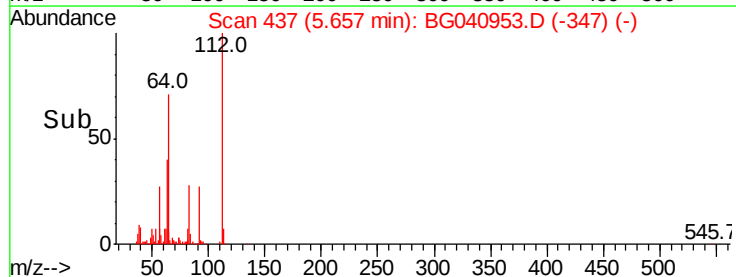
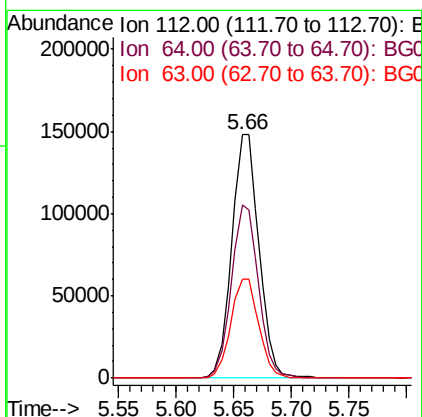
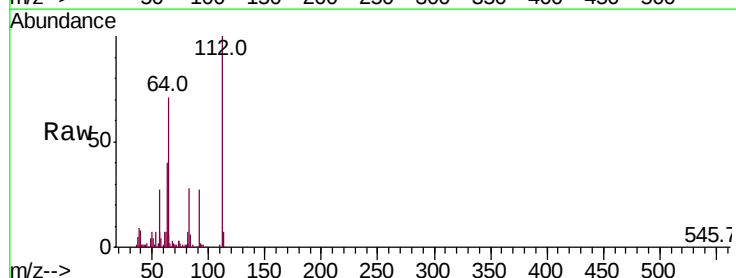
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	120.6	180.8
115	61.3	45.1	67.7

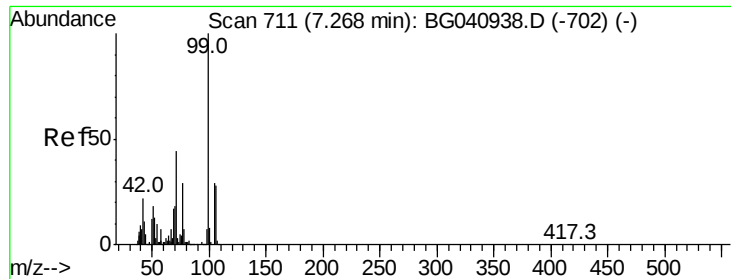


#5

2-Fluorophenol
Concen: 64.206 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040953.D
Acq: 30 May 2019 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	56.2	84.2
63	40.4	32.8	49.2





#7

Phenol-d6

Concen: 39.339 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

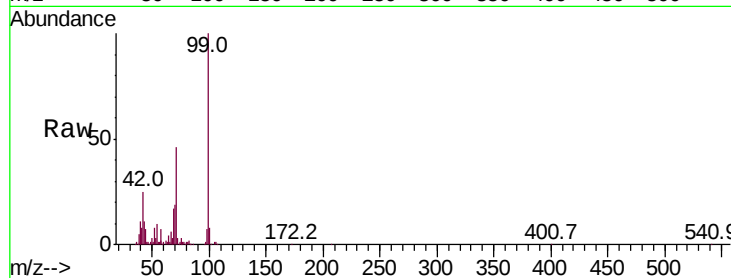
Tot Ion: 99 Resp: 228818

Ion Ratio Lower Upper

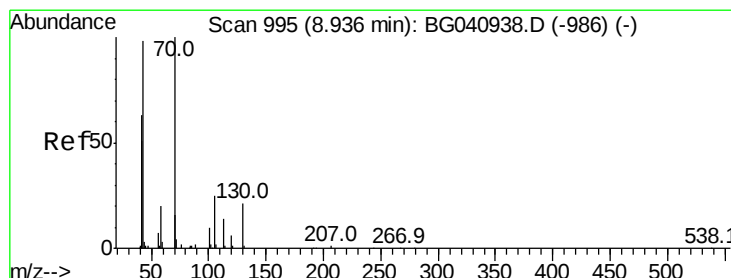
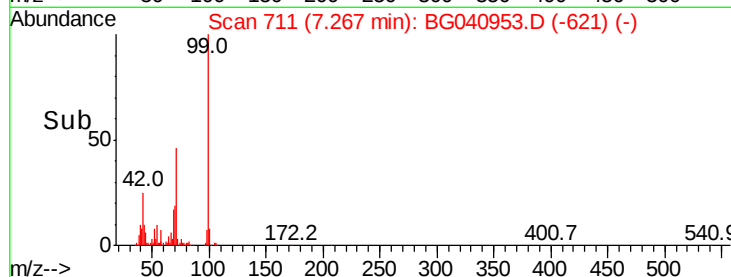
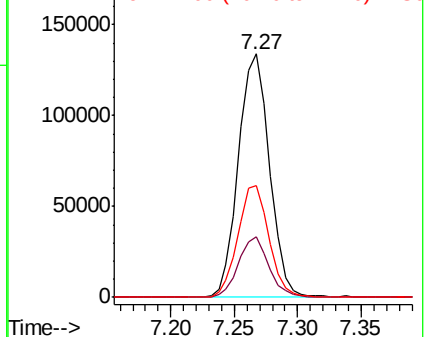
99 100

42 25.1 17.9 26.9

71 46.0 35.4 53.0



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: 18.192 ng

RT: 9.31 min Scan# 1058

Delta R.T. 0.37 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Tgt Ion: 70 Resp: 81430

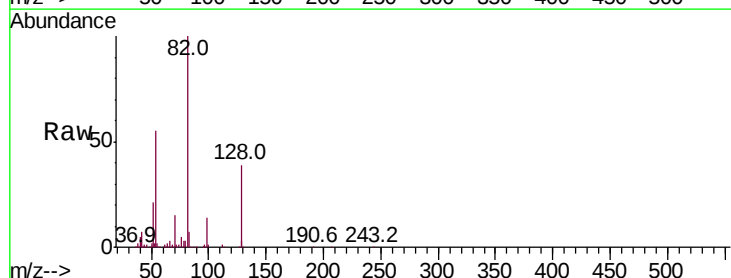
Ion Ratio Lower Upper

70 100

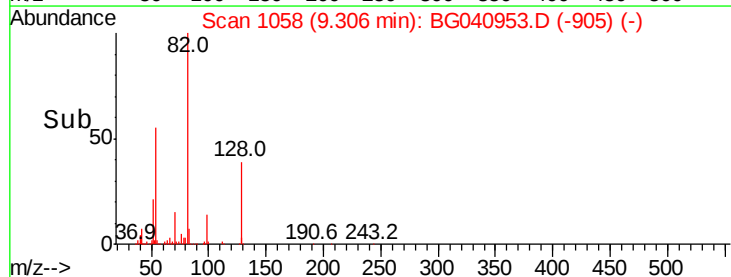
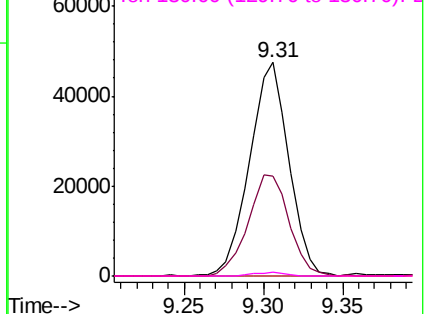
42 47.0 51.5 77.3#

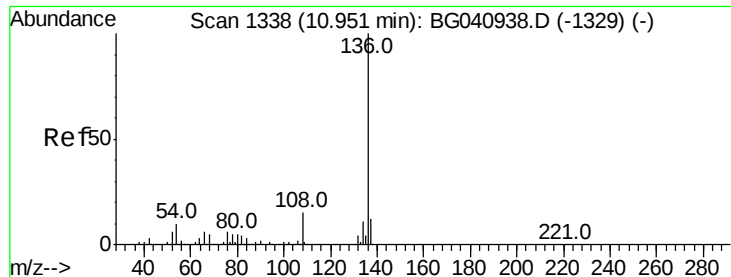
101 0.0 8.1 12.1#

130 1.6 16.6 24.8#



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: 10.95 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 278118

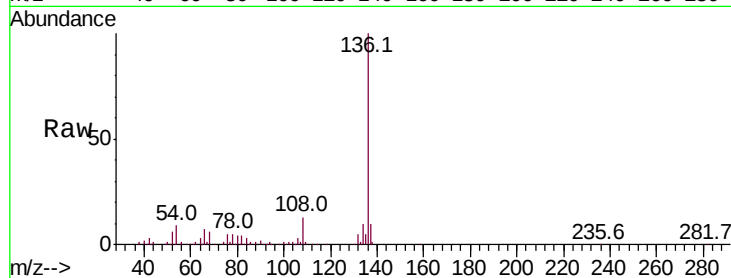
Ion Ratio Lower Upper

136 100

137 10.5 9.5 14.3

54 8.6 7.6 11.4

68 5.8 3.9 5.9

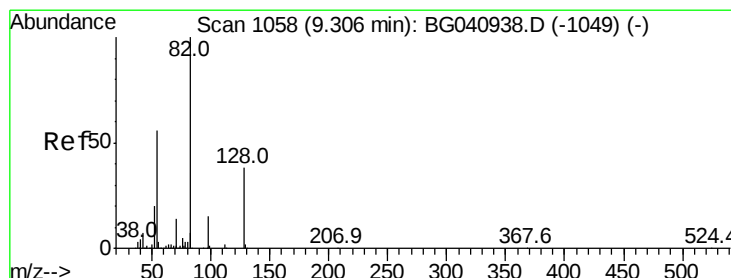
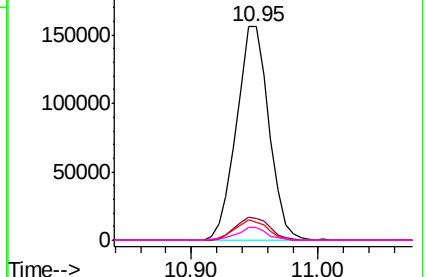
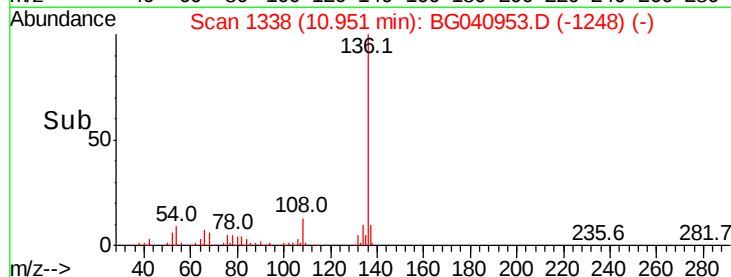


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.554 ng

RT: 9.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

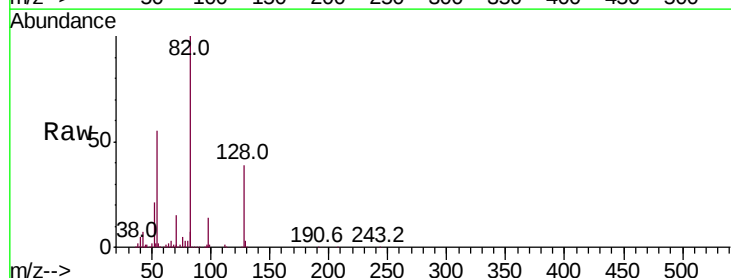
Tgt Ion: 82 Resp: 561040

Ion Ratio Lower Upper

82 100

128 38.7 30.5 45.7

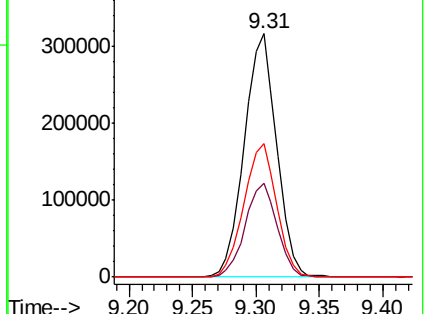
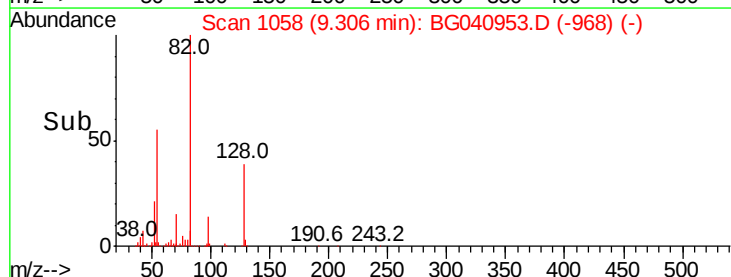
54 54.8 44.6 66.8

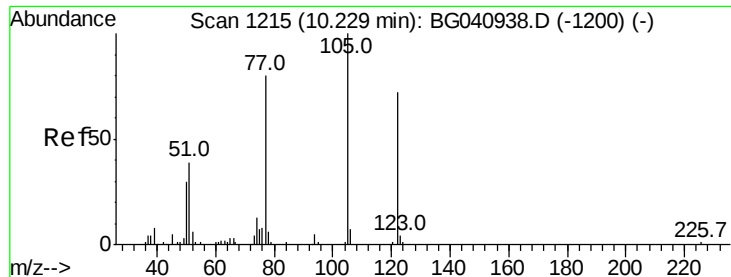


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

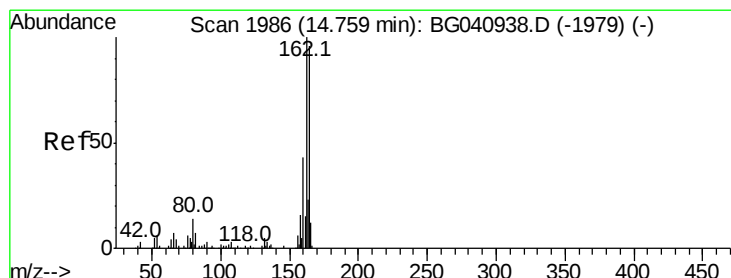
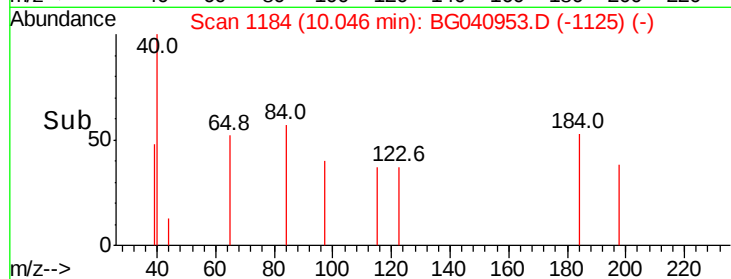
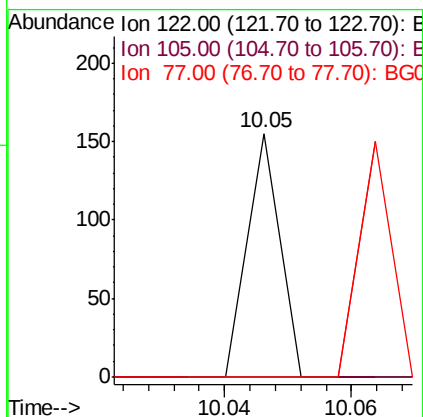
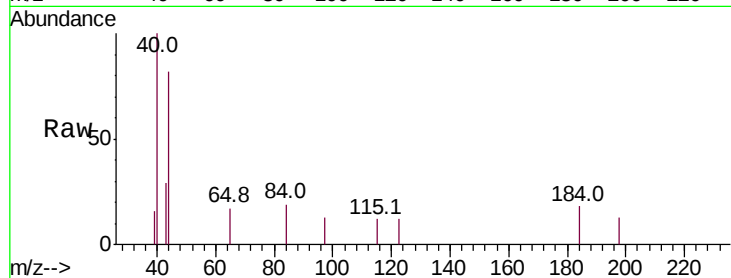




#32
Benzoic acid
Concen: 8.144 ng
RT: 10.05 min Scan# 1184
Delta R.T. -0.18 min
Lab File: BG040953.D
Acq: 30 May 2019 15:45

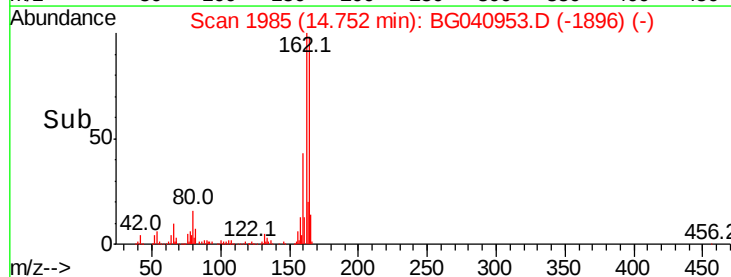
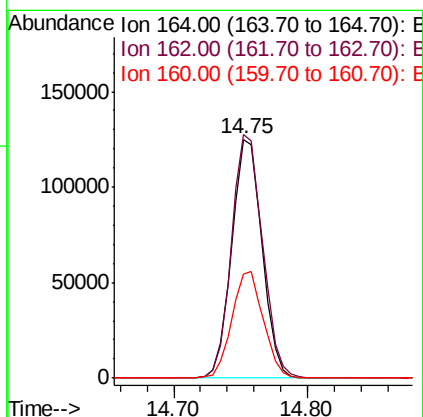
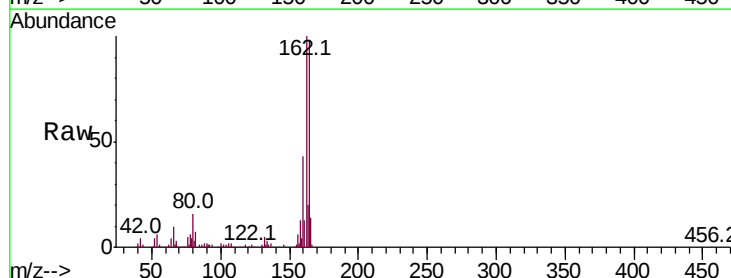
Instrument :
BNA_G
ClientSampleId :

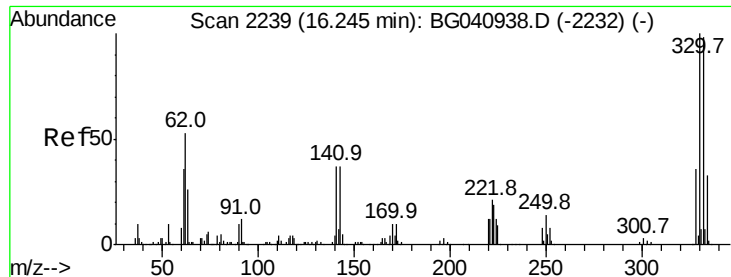
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040953.D
Acq: 30 May 2019 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.0	124.4
160	43.9	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 135.410 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

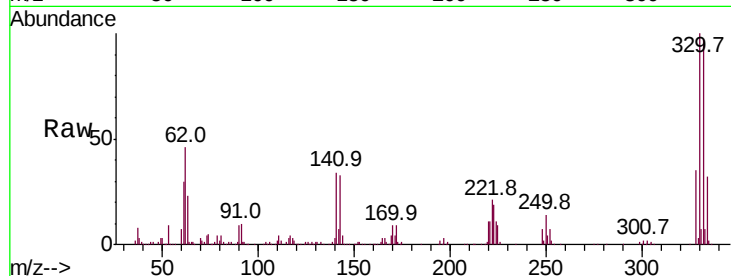
Tot Ion:330 Resp: 396890

Ion Ratio Lower Upper

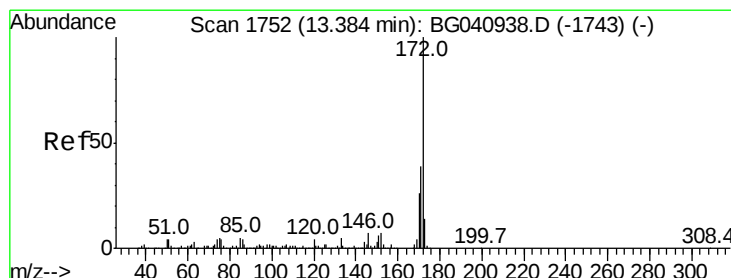
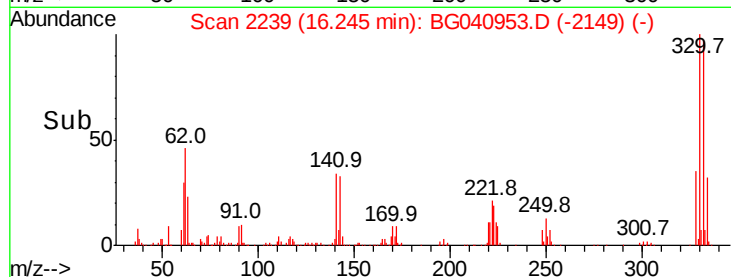
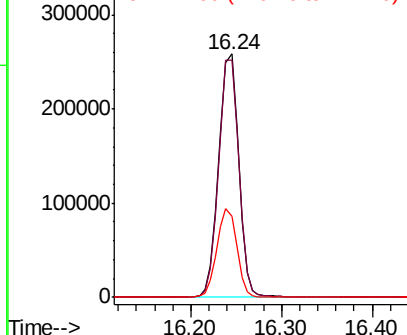
330 100

332 97.8 78.5 117.7

141 36.2 28.7 43.1



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



#45

2-Fluorobiphenyl

Concen: 94.005 ng

RT: 13.38 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

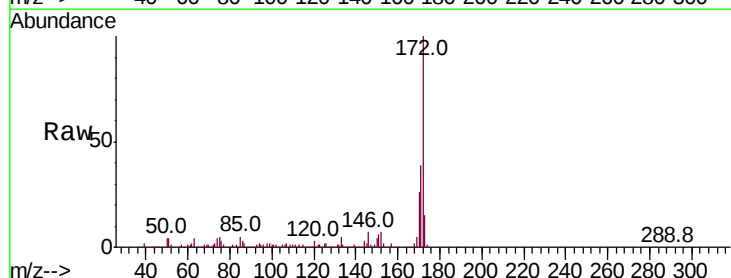
Tgt Ion:172 Resp: 1288768

Ion Ratio Lower Upper

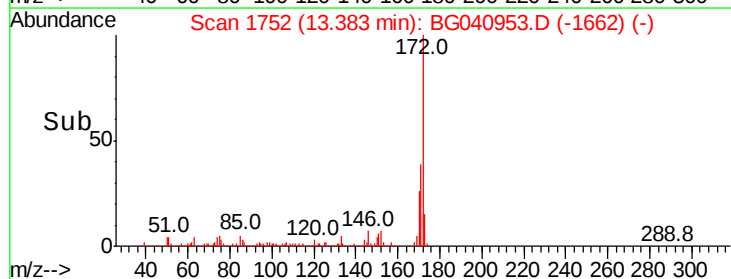
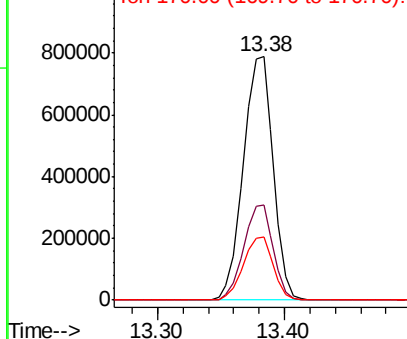
172 100

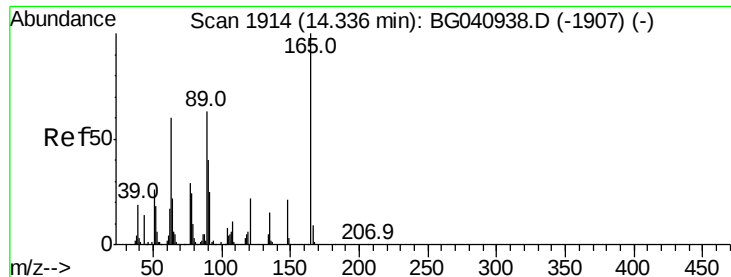
171 39.0 31.1 46.7

170 25.8 20.5 30.7



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





#51

2,6-Dinitrotoluene

Concen: 7.255 ng

RT: 14.75 min Scan# 1985

Delta R.T. 0.42 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

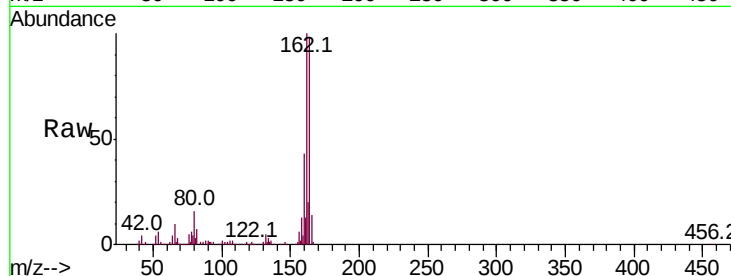
Tot Ion:165 Resp: 26143

Ion Ratio Lower Upper

165 100

63 3.2 53.6 80.4#

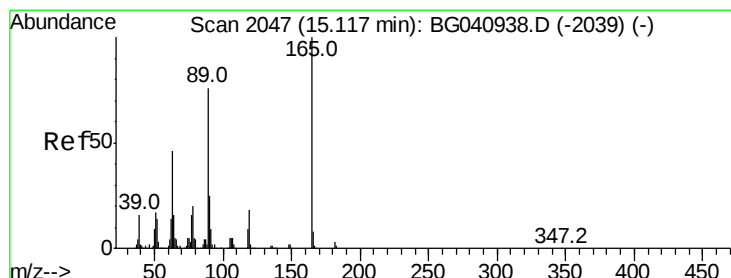
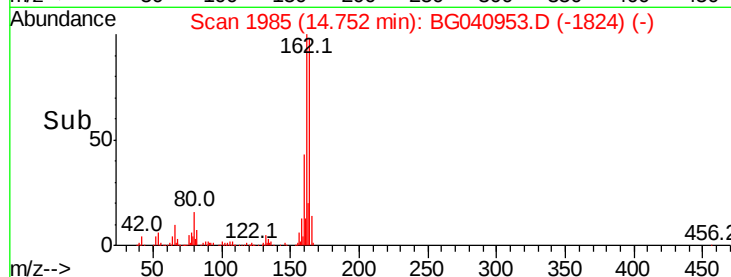
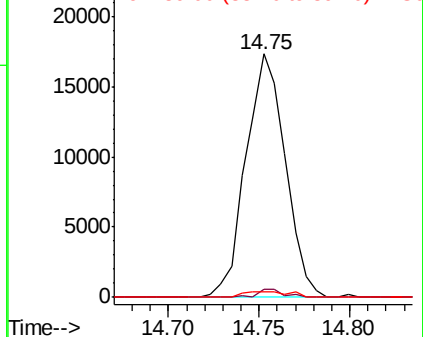
89 2.2 50.4 75.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.136 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.36 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Tgt Ion:165 Resp: 26143

Ion Ratio Lower Upper

165 100

63 3.2 37.3 55.9#

89 2.2 61.0 91.6#

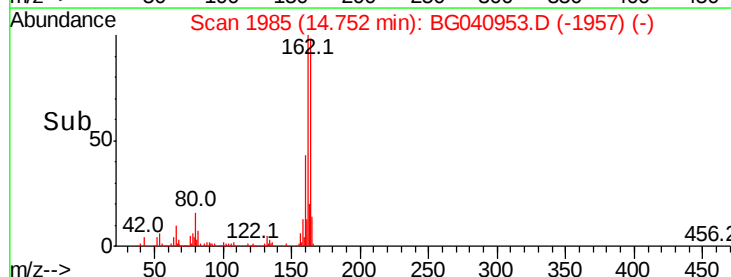
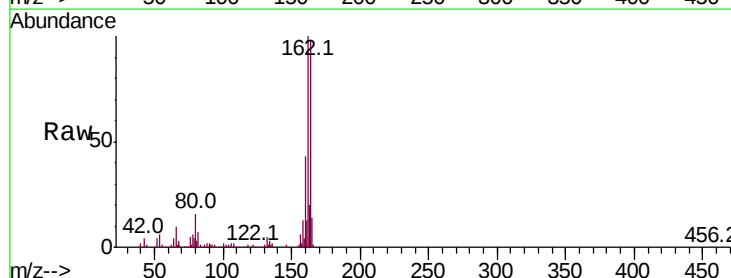
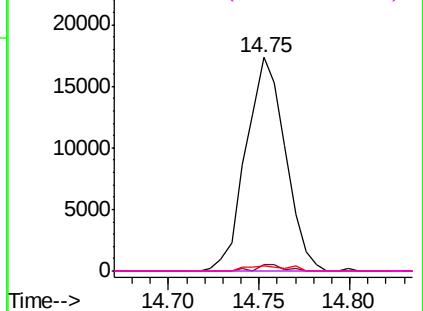
182 0.0 2.2 3.2#

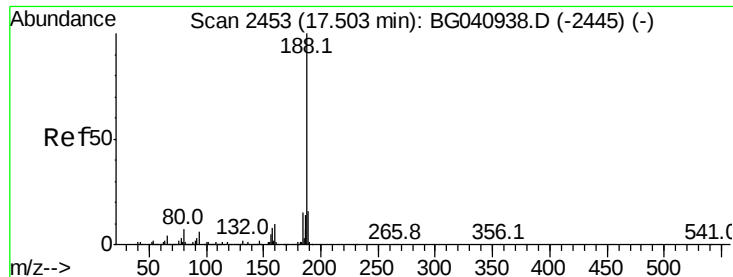
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

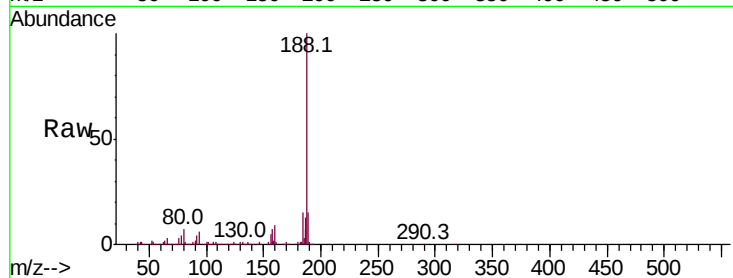
Tot Ion:188 Resp: 457540

Ion Ratio Lower Upper

188 100

94 6.4 4.7 7.1

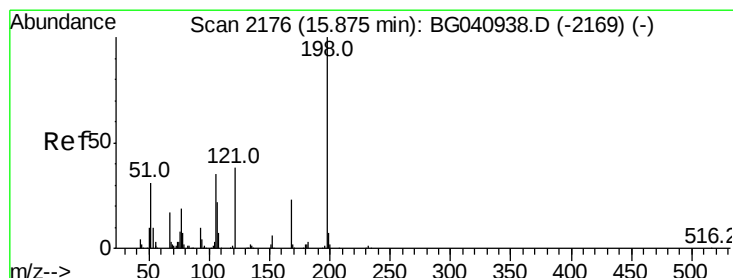
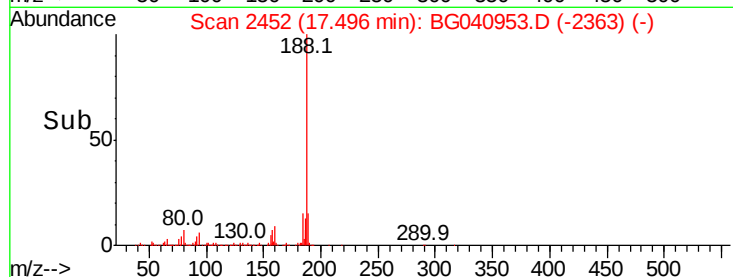
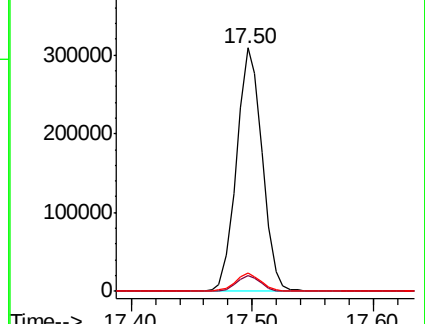
80 7.4 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.608 ng

RT: 15.85 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

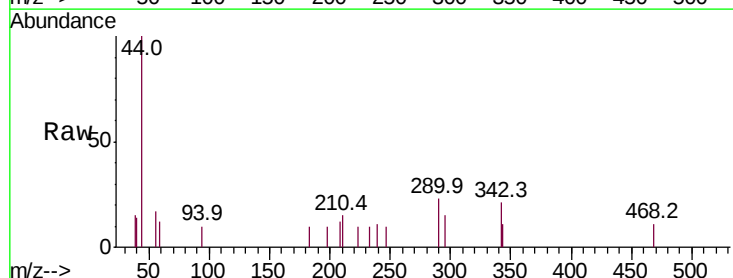
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

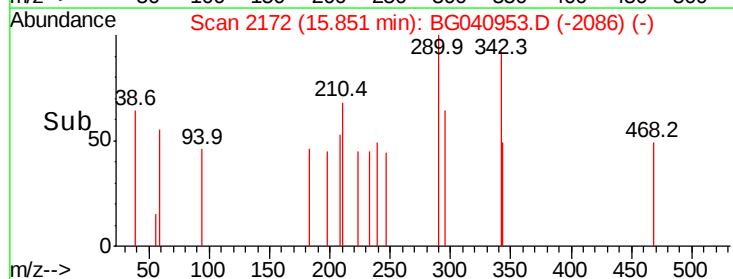
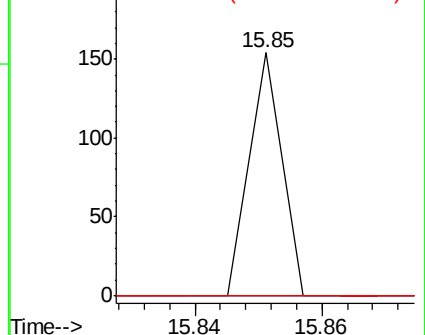
105 0.0 17.5 57.5#

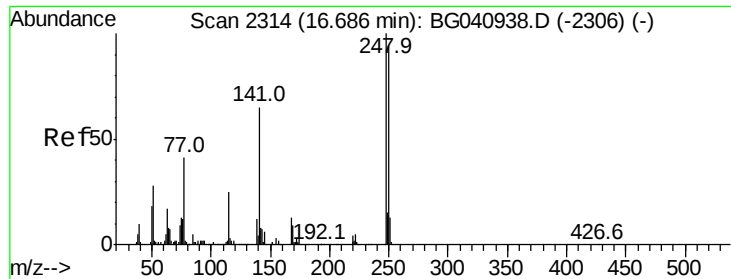


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.726 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

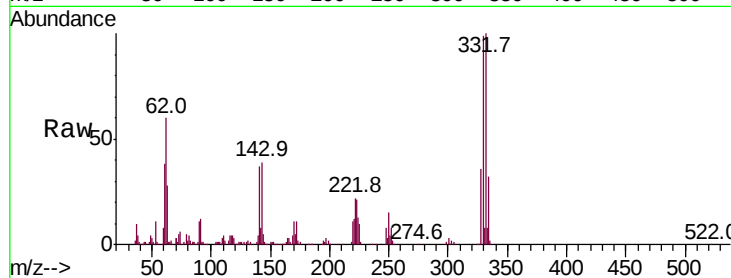
Tot Ion:248 Resp: 29184

Ion Ratio Lower Upper

248 100

250 186.0 75.0 112.4#

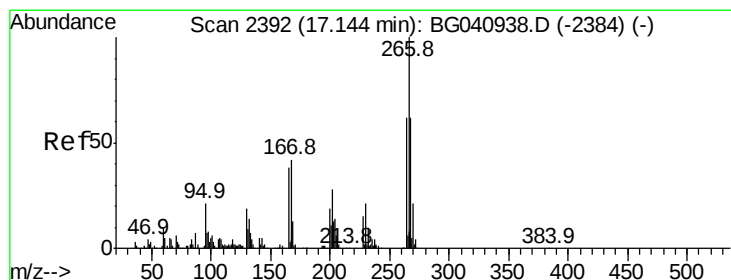
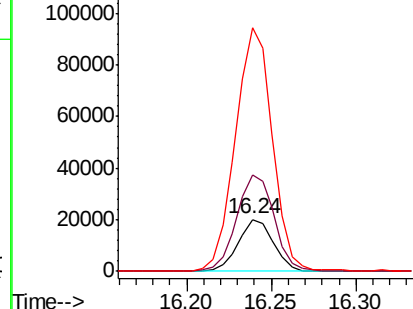
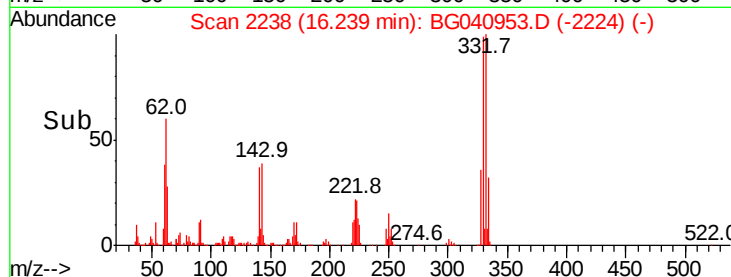
141 469.8 52.4 78.6#



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



#70

Pentachlorophenol

Concen: 4.273 ng

RT: 17.13 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

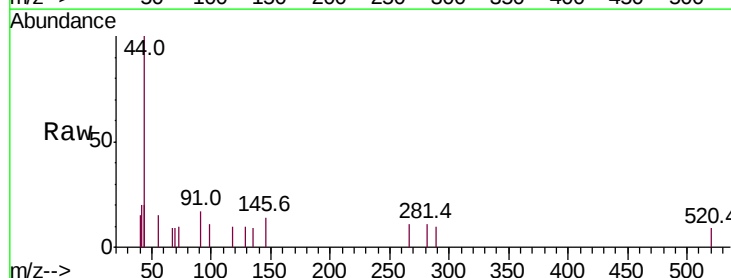
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

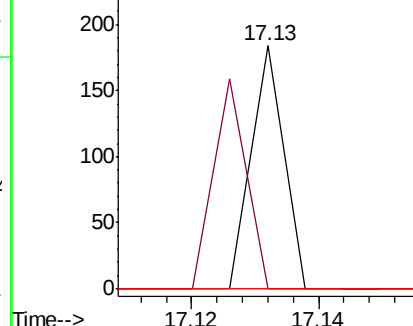
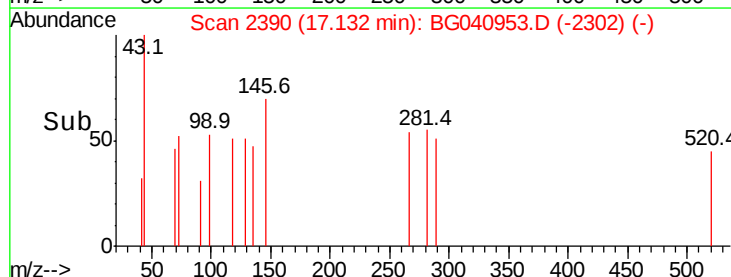
264 0.0 49.9 74.9#

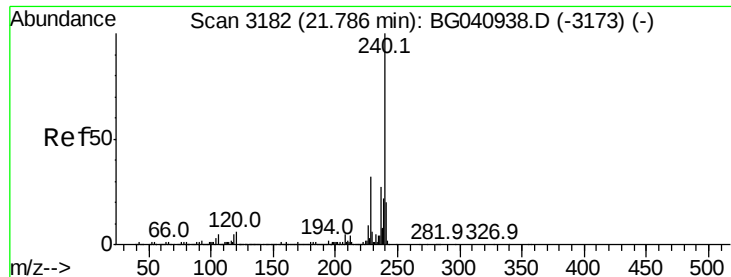


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.78 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

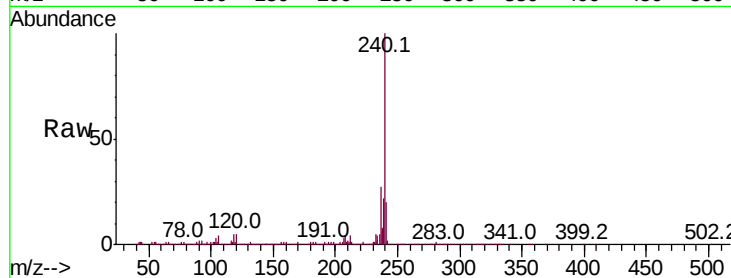
Tot Ion:240 Resp: 438870

Ion Ratio Lower Upper

240 100

120 4.7 4.5 6.7

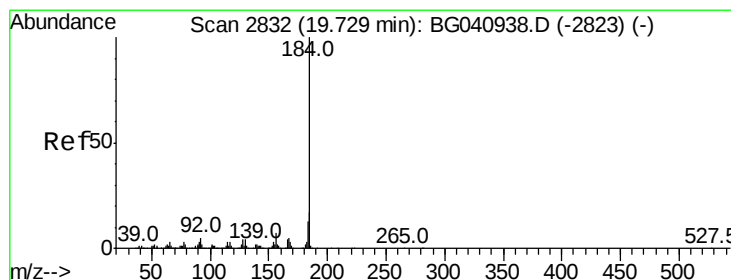
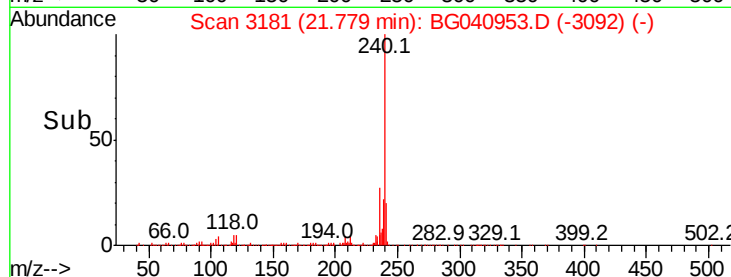
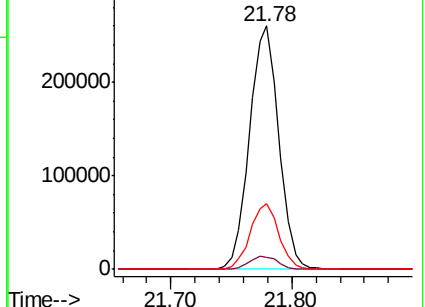
236 26.8 21.3 31.9



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



#77

Benzidine

Concen: 3.502 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

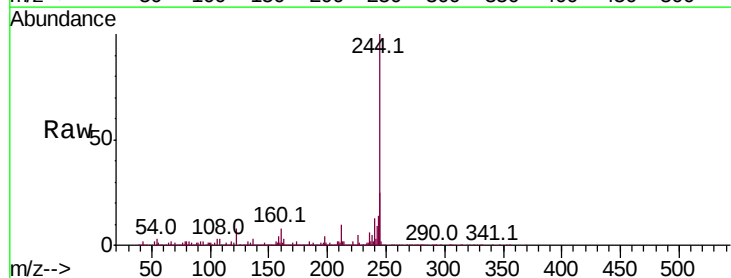
Tgt Ion:184 Resp: 36661

Ion Ratio Lower Upper

184 100

185 18.2 13.3 19.9

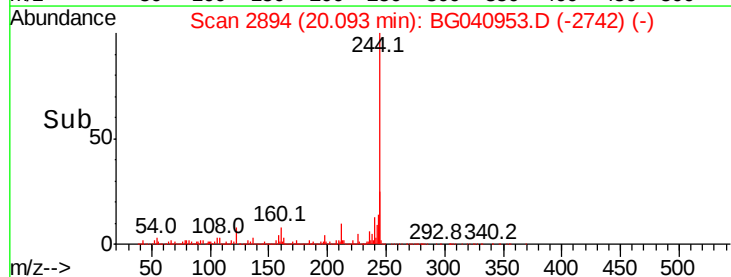
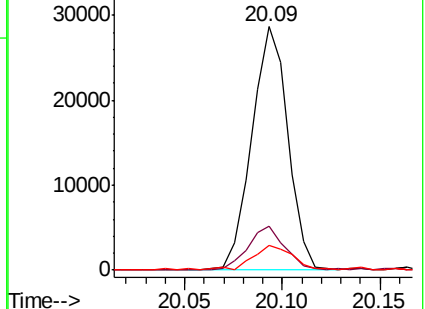
183 10.1 10.7 16.1#

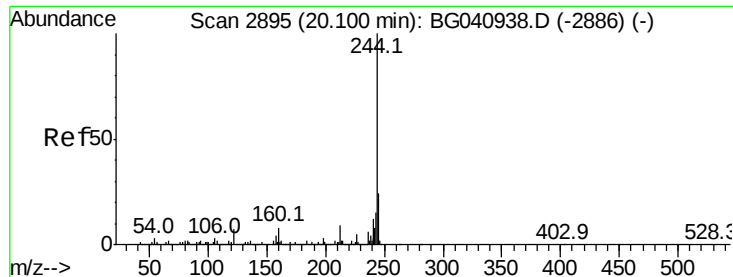


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 92.938 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

Instrument :

BNA_G

ClientSampleId :

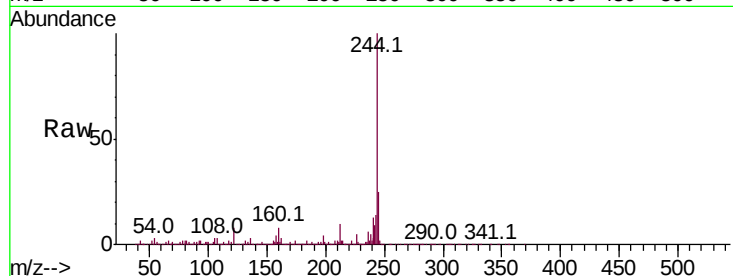
Tot Ion:244 Resp: 1921827

Ion Ratio Lower Upper

244 100

212 10.0 7.0 10.4

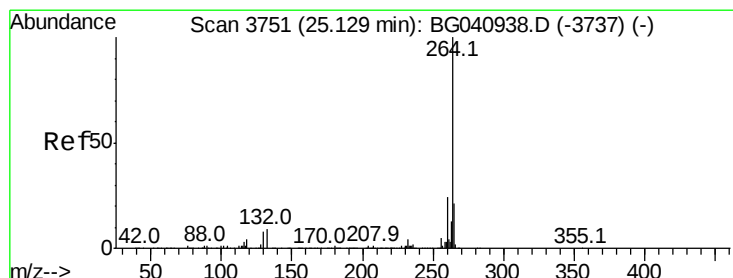
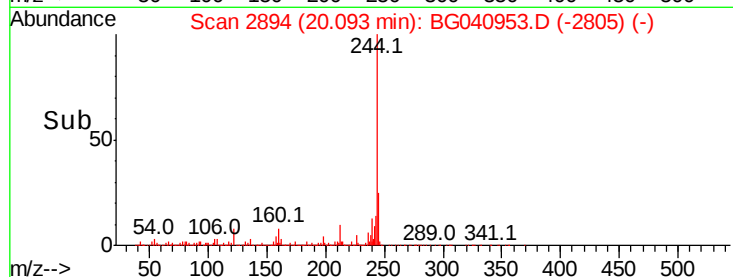
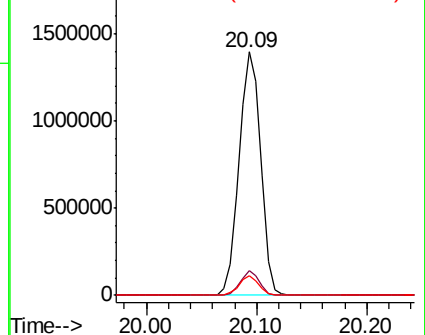
122 8.3 5.4 8.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.12 min Scan# 3750

Delta R.T. -0.01 min

Lab File: BG040953.D

Acq: 30 May 2019 15:45

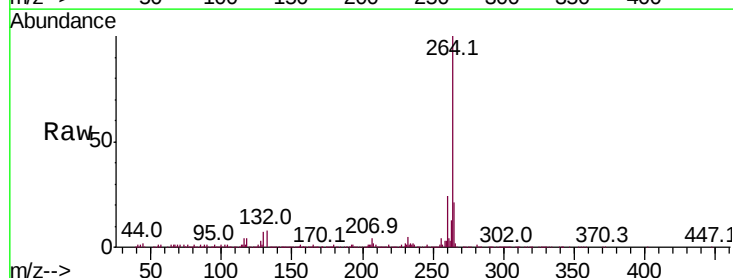
Tgt Ion:264 Resp: 475791

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 21.4 17.0 25.4



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

