

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040608.D
 Acq On : 25 Apr 2019 13:36
 Operator : JU/SJ
 Sample : K2535-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

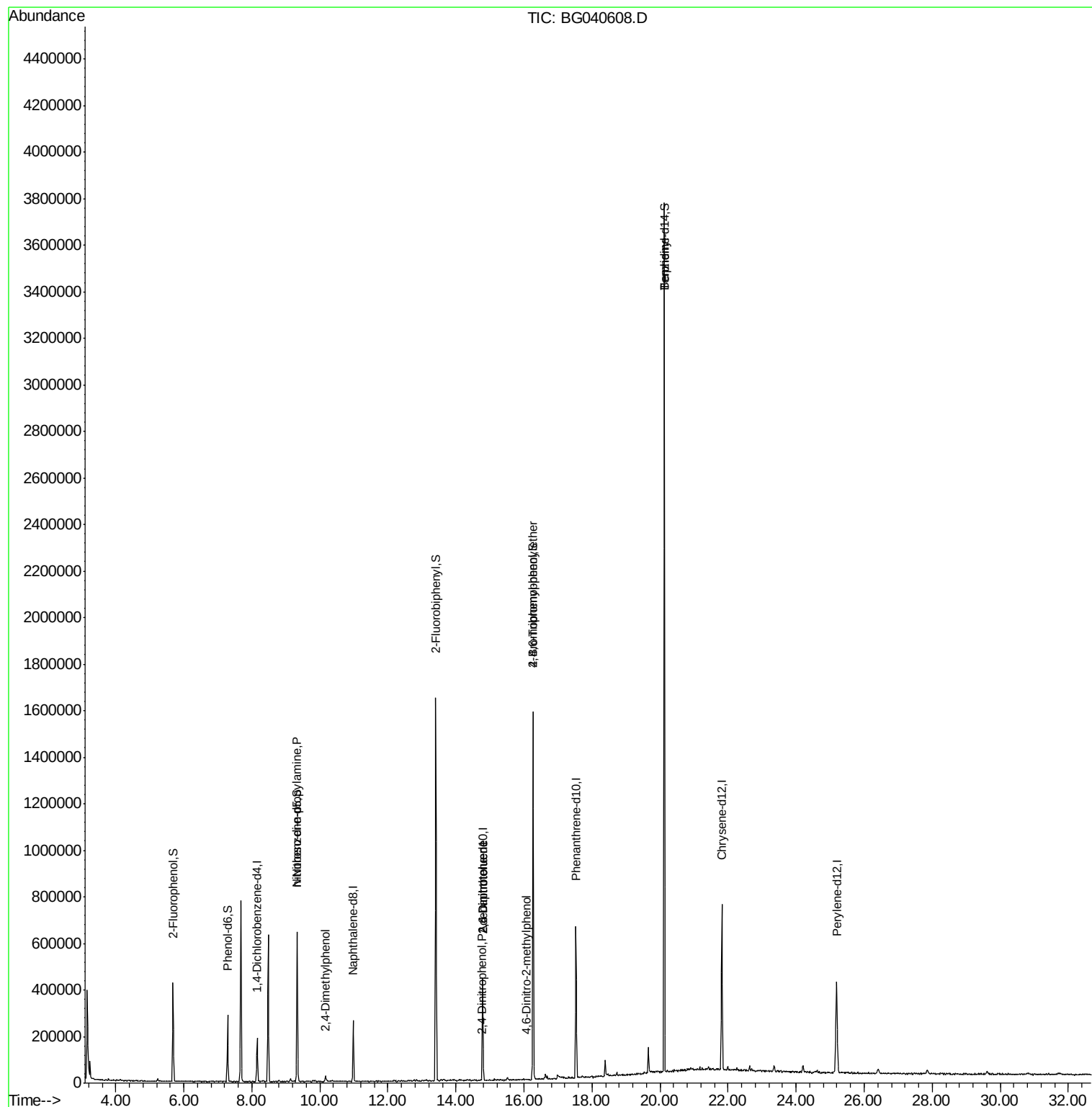
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	45281	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	188828	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	142764	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	386496	20.00	ng	0.00
76) Chrysene-d12	21.82	240	398973	20.00	ng	0.00
87) Perylene-d12	25.19	264	417901	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	144025	56.07	ng	0.00
7) Phenol-d6	7.29	99	135450	34.25	ng	0.00
23) Nitrobenzene-d5	9.33	82	366268	89.63	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	272119	138.67	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	782807	79.19	ng	0.00
79) Terphenyl-d14	20.13	244	1662083	92.29	ng	0.00
Target Compounds						
9) Benzaldehyde	7.22	77	70	Below Cal		92
19) n-Nitroso-di-n-propylamine	9.33	70	57057	16.026 ng	#	78
27) 2,4-Dimethylphenol	10.17	122	8721	2.974 ng	#	1
51) 2,6-Dinitrotoluene	14.78	165	18940	8.124 ng	#	14
54) 2,4-Dinitrophenol	14.75	184	53	7.051 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	18940	5.979 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.08	198	64	7.130 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	19973	4.148 ng	#	1
77) Benzidine	20.12	184	34875	3.192 ng	#	88

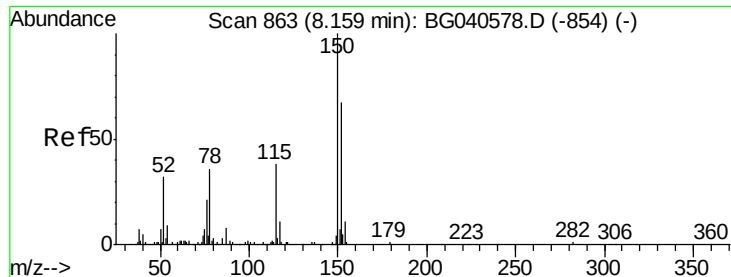
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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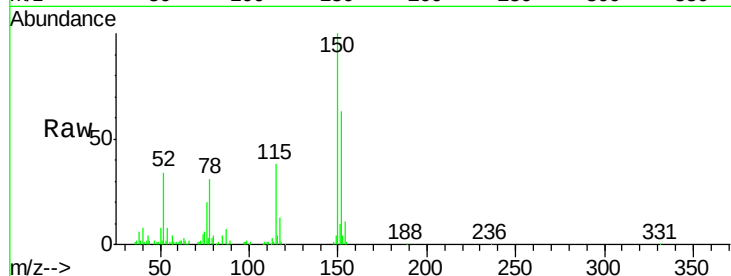


#1

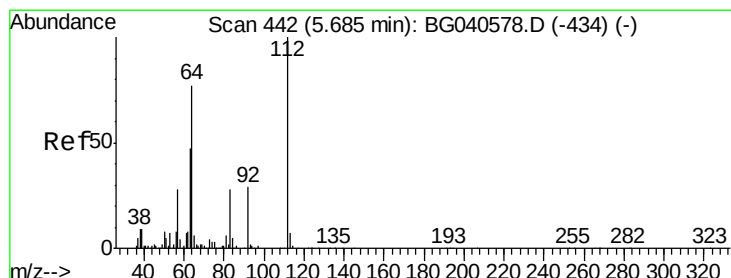
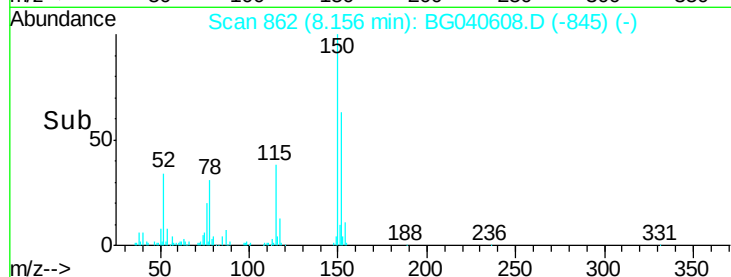
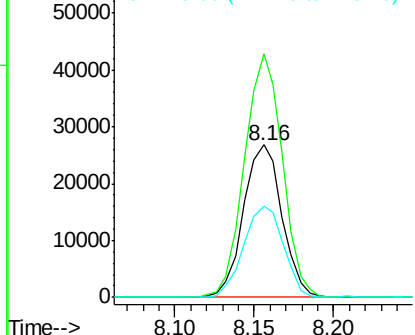
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040608.D
Acq: 25 Apr 2019 13:36

Instrument :
BNA_G
ClientSampled :

Tot Ion	152	Resp	45281
Ion	Ratio	Lower	Upper
152	100		
150	159.8	120.2	180.2
115	60.0	46.2	69.2



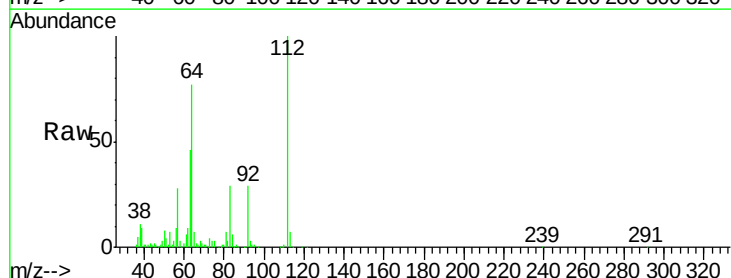
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



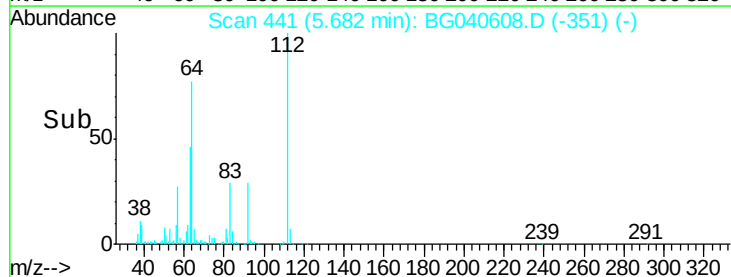
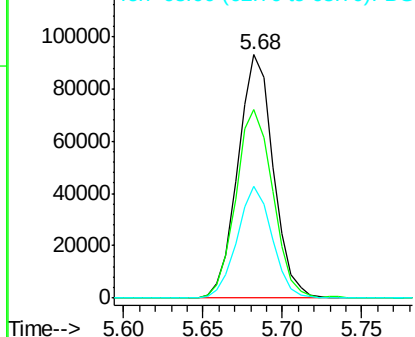
#5

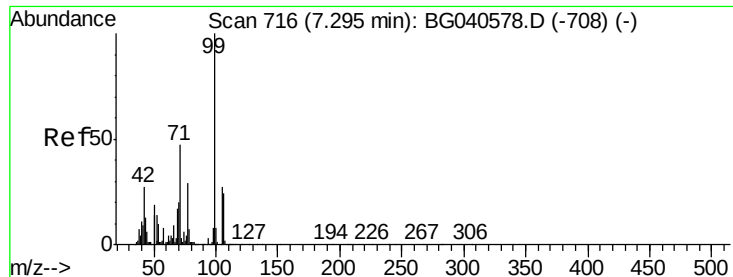
2-Fluorophenol
Concen: 56.068 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040608.D
Acq: 25 Apr 2019 13:36

Tgt Ion	112	Resp	144025
Ion	Ratio	Lower	Upper
112	100		
64	77.3	61.4	92.0
63	46.0	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 34.247 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

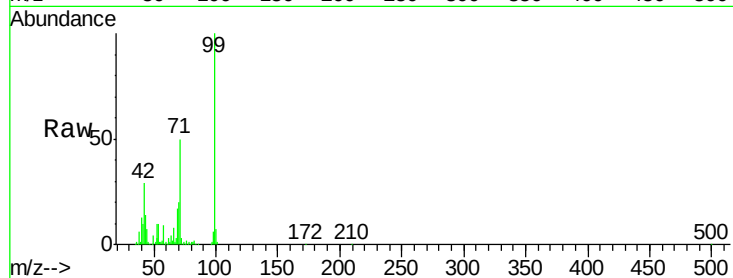
Tot Ion: 99 Resp: 135450

Ion Ratio Lower Upper

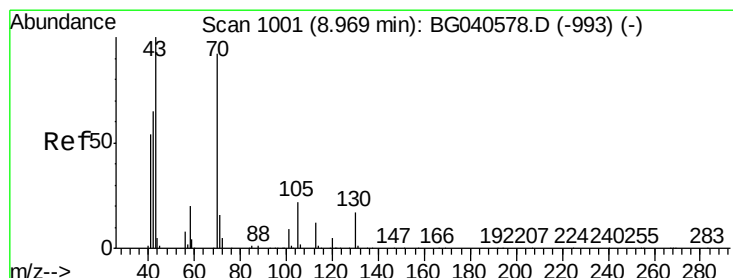
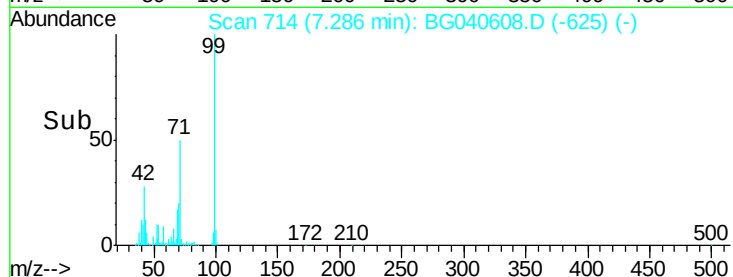
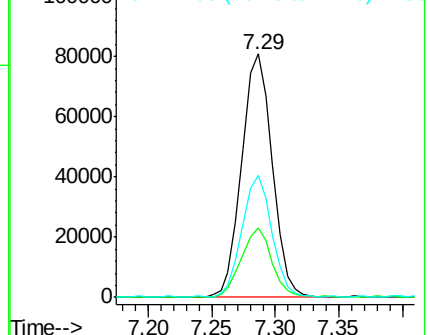
99 100

42 28.7 21.8 32.8

71 49.9 38.6 57.8



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: 16.026 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Tgt Ion: 70 Resp: 57057

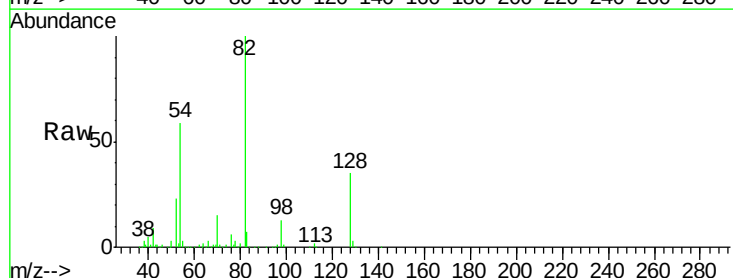
Ion Ratio Lower Upper

70 100

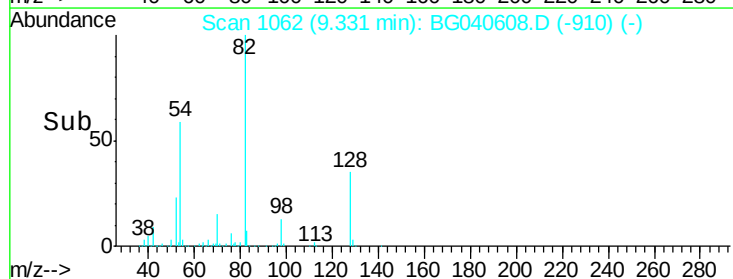
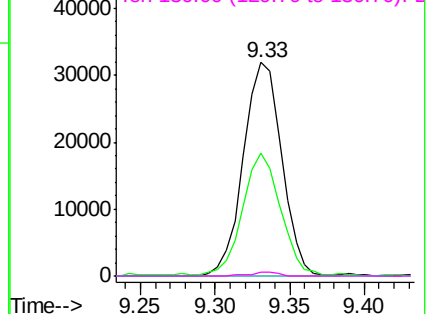
42 57.4 57.1 85.7

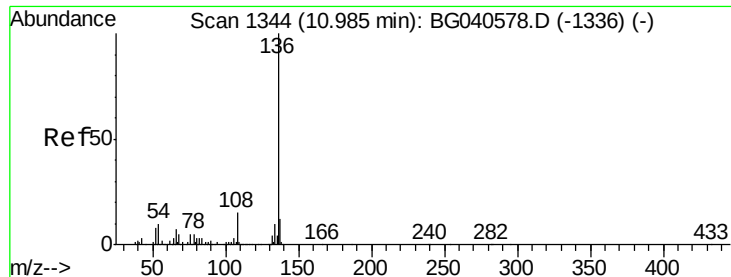
101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 188828

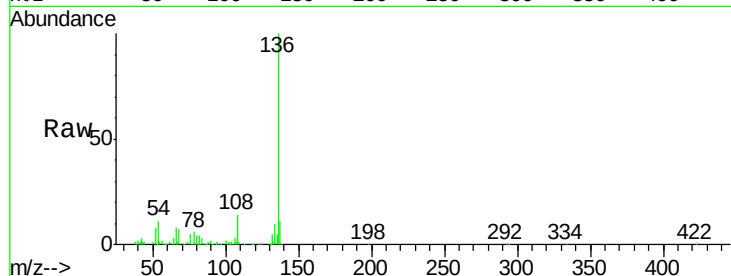
Ion Ratio Lower Upper

136 100

137 11.3 9.7 14.5

54 10.9 8.6 12.8

68 6.5 4.8 7.2

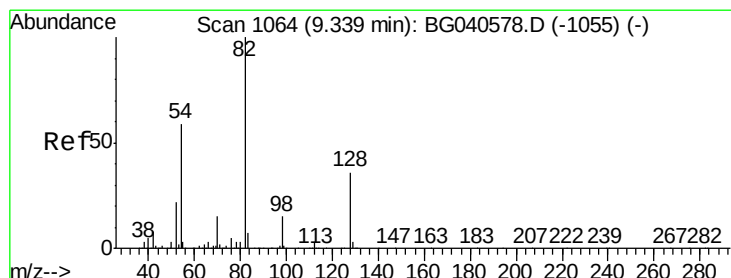
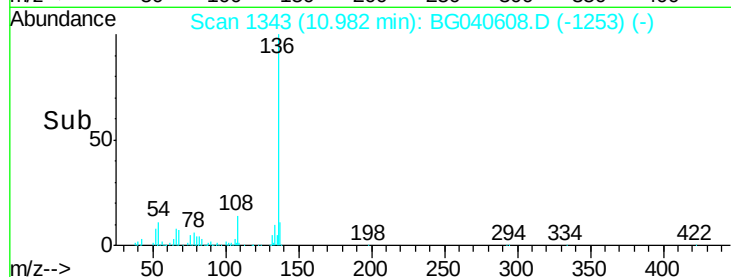
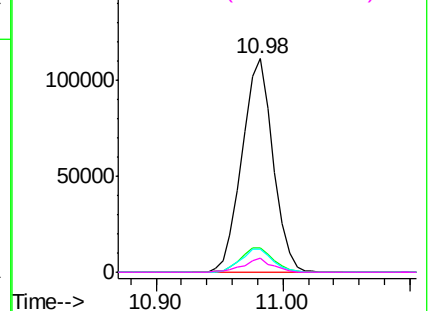


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.626 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

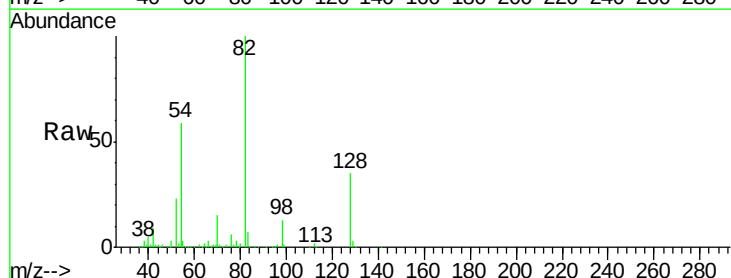
Tgt Ion: 82 Resp: 366268

Ion Ratio Lower Upper

82 100

128 35.3 28.9 43.3

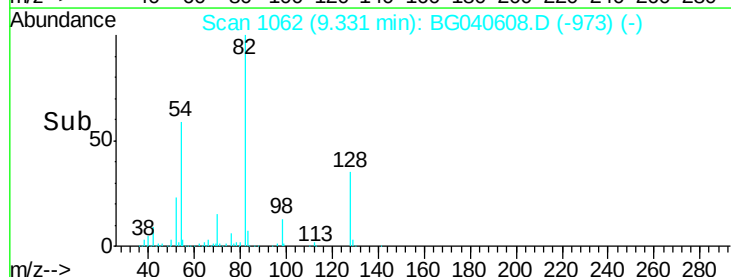
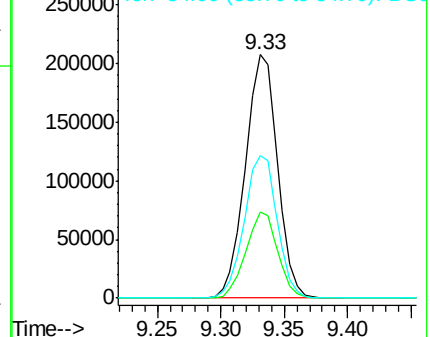
54 58.8 47.2 70.8

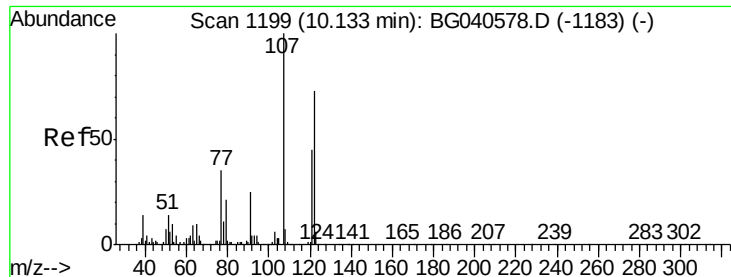


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#27

2,4-Dimethylphenol

Concen: 2.974 ng

RT: 10.17 min Scan# 1204

Delta R.T. 0.03 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

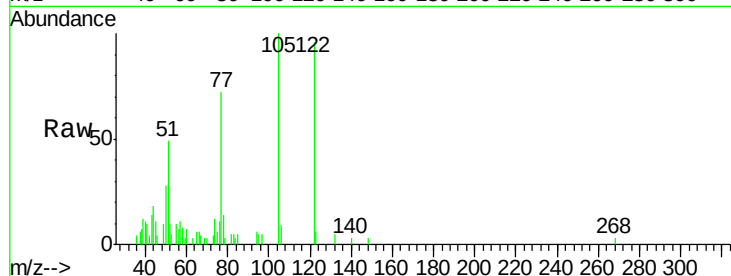
Tot Ion:122 Resp: 8721

Ion Ratio Lower Upper

122 100

107 0.0 110.1 165.1#

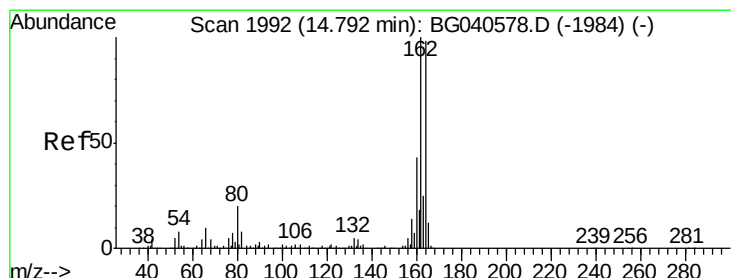
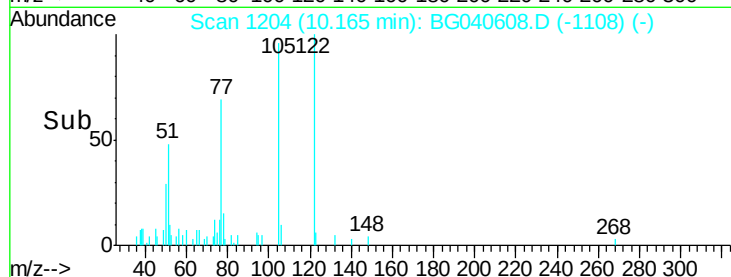
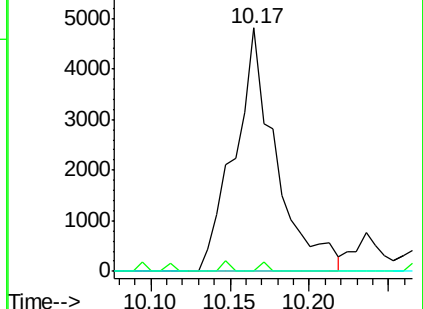
121 0.0 49.4 74.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

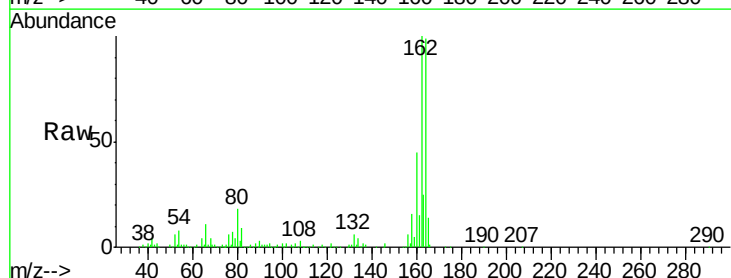
Tgt Ion:164 Resp: 142764

Ion Ratio Lower Upper

164 100

162 101.5 81.9 122.9

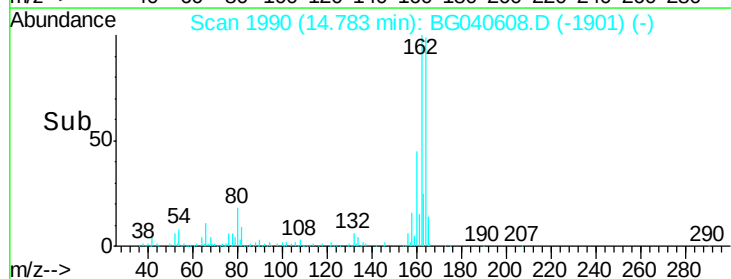
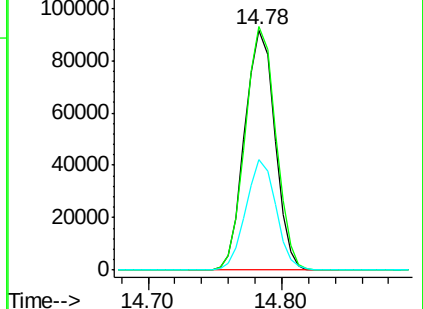
160 46.0 35.4 53.2

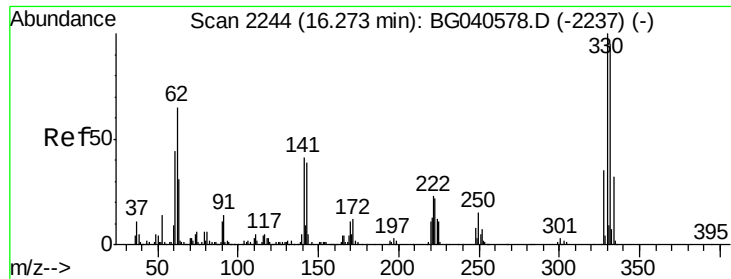


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

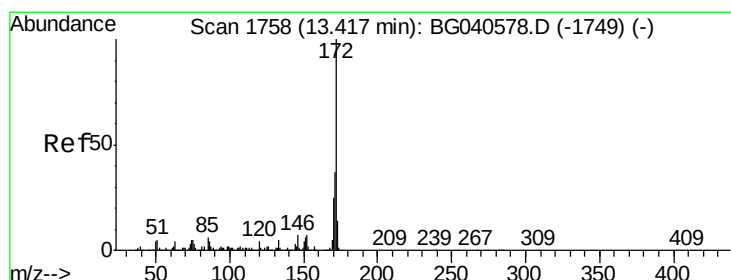
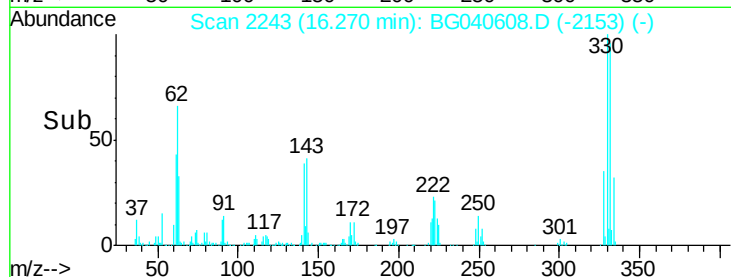
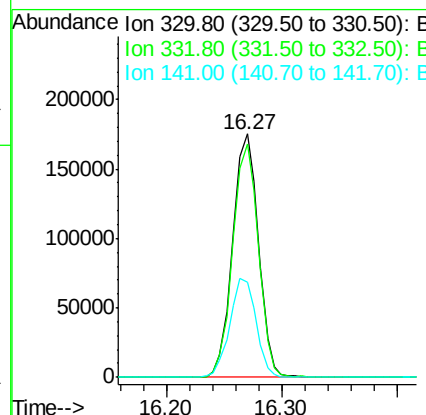
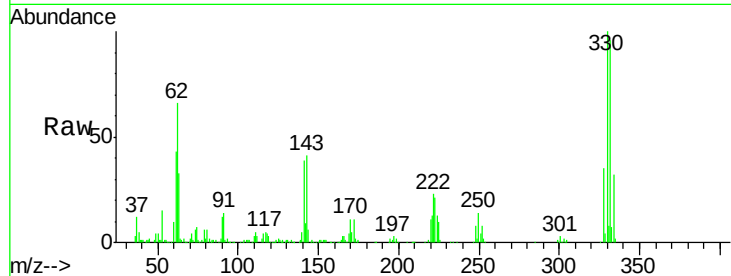




#42
 2,4,6-Tribromophenol
 Concen: 138.672 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: BG040608.D
 Acq: 25 Apr 2019 13:36

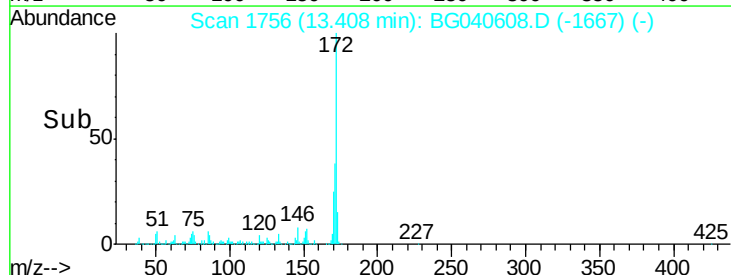
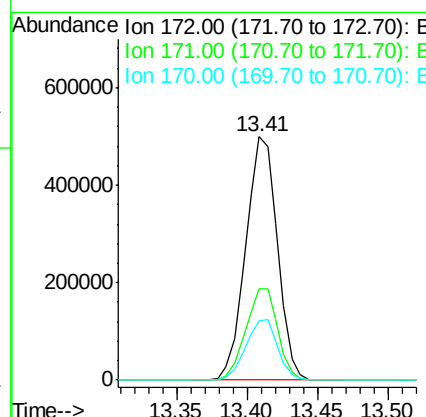
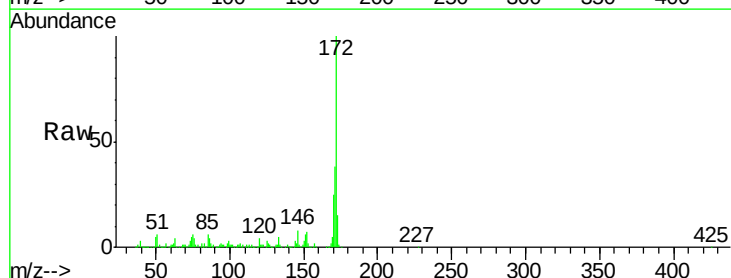
Instrument :
 BNA_G
 ClientSampleId :

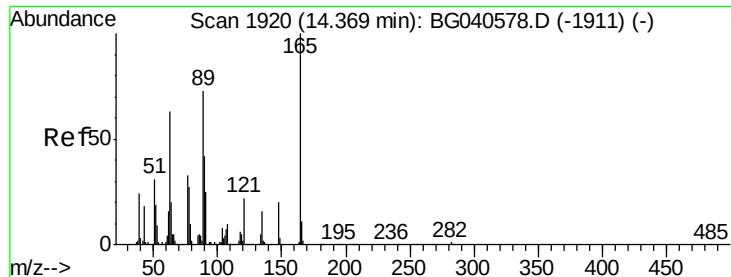
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.9	113.9
141	41.3	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 79.189 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG040608.D
 Acq: 25 Apr 2019 13:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	24.5	19.9	29.9





#51

2,6-Dinitrotoluene

Concen: 8.124 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

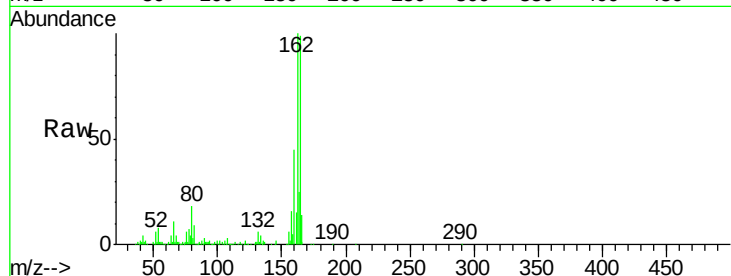
Tot Ion:165 Resp: 18940

Ion Ratio Lower Upper

165 100

63 0.0 61.0 91.4#

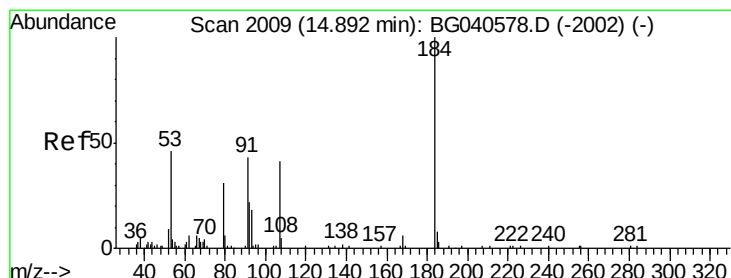
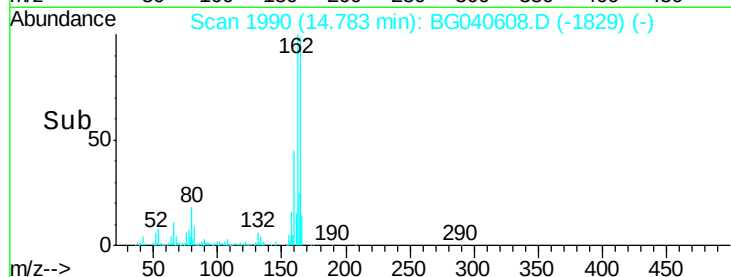
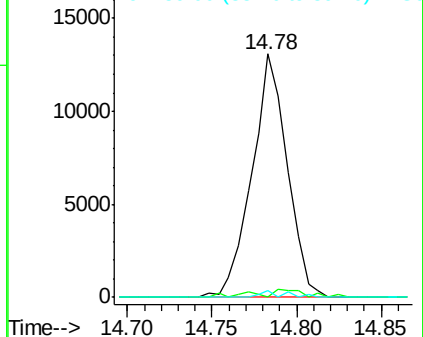
89 2.6 58.6 87.8#



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



#54

2,4-Dinitrophenol

Concen: 7.051 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.14 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

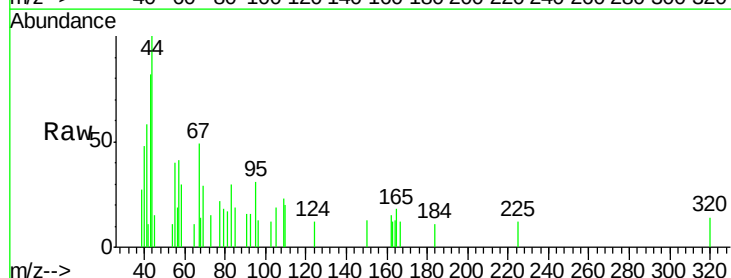
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

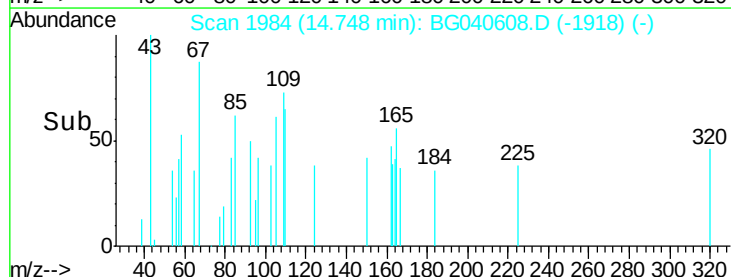
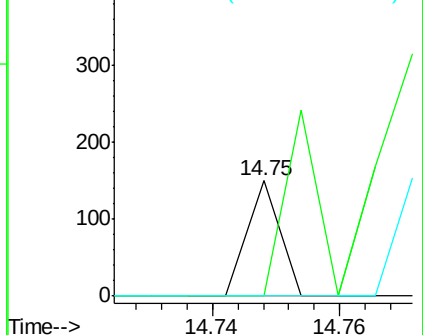
154 0.0 43.6 65.4#

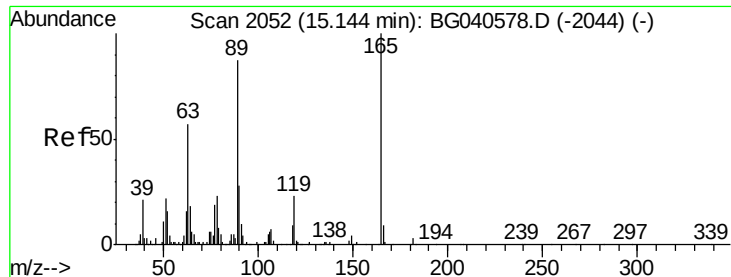


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.979 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 18940

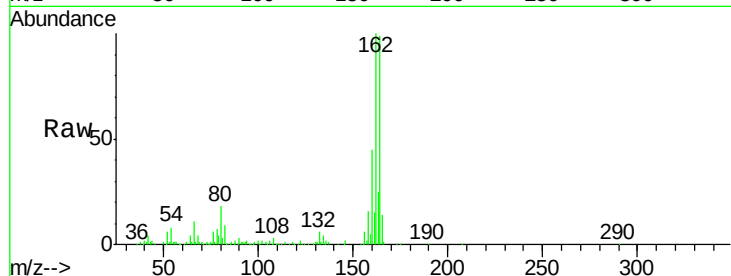
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 2.6 69.4 104.2#

182 0.0 2.2 3.4#

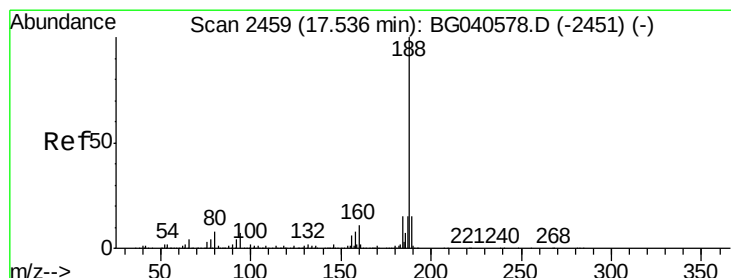
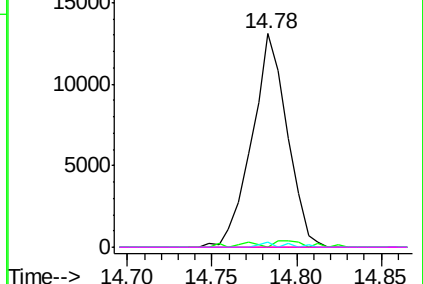
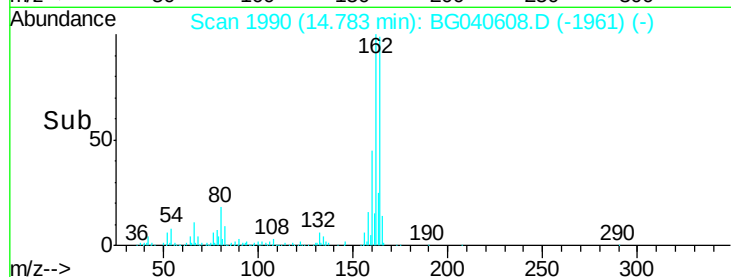


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

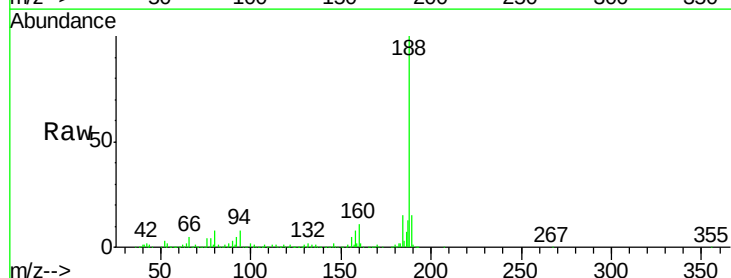
Tgt Ion:188 Resp: 386496

Ion Ratio Lower Upper

188 100

94 7.7 5.6 8.4

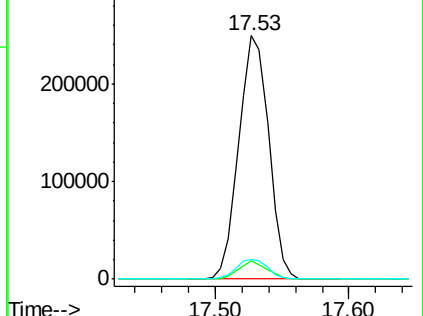
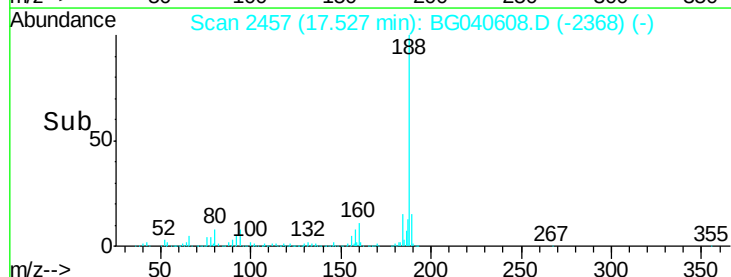
80 8.2 6.4 9.6

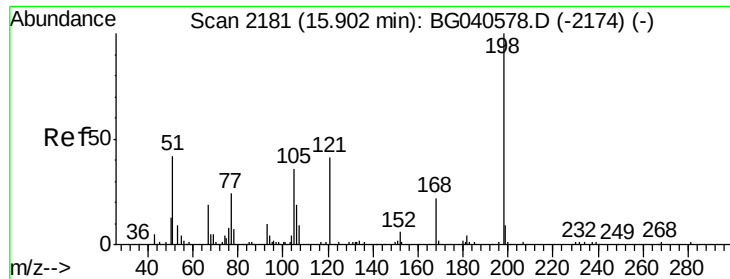


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.08 min Scan# 2211

Delta R.T. 0.18 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampled :

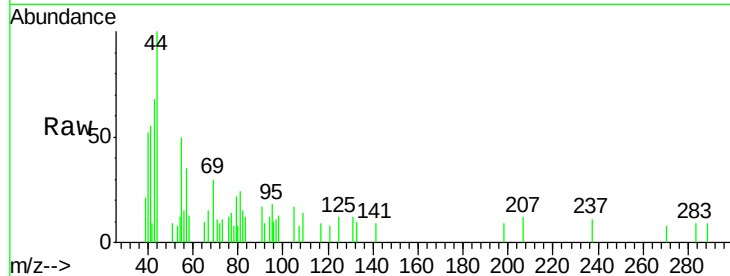
Tot Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 92.8 35.9 75.9#

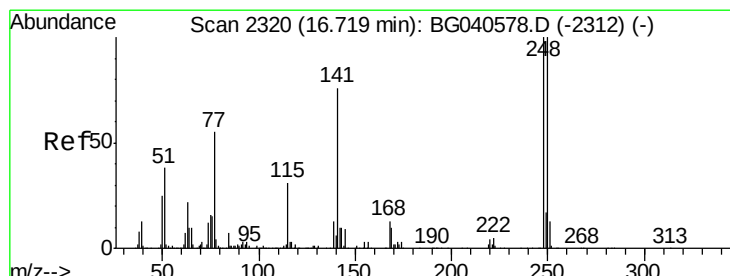
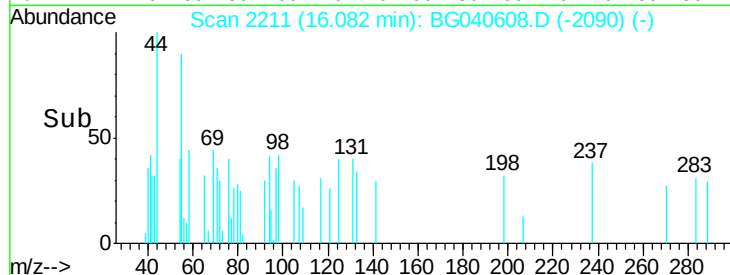
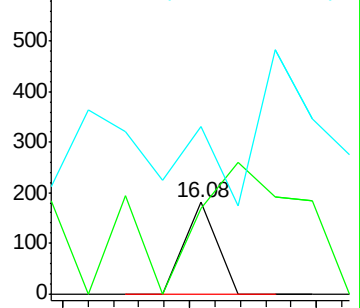
105 182.9 21.2 61.2#



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: 4.148 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

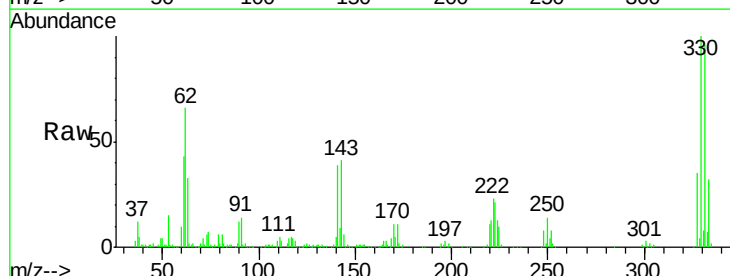
Tgt Ion:248 Resp: 19973

Ion Ratio Lower Upper

248 100

250 178.8 79.8 119.6#

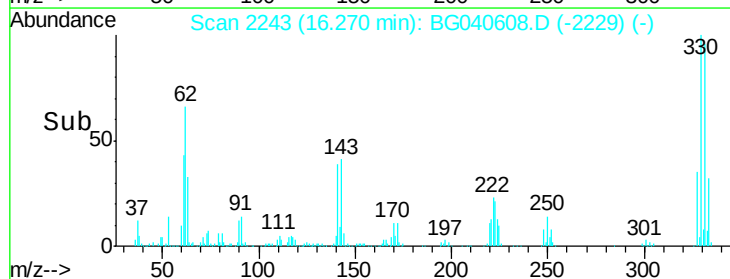
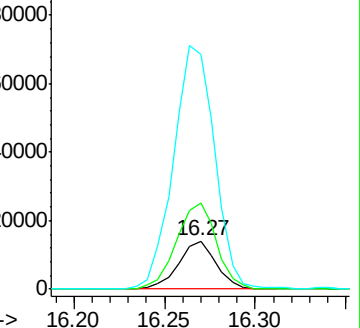
141 489.2 60.8 91.2#

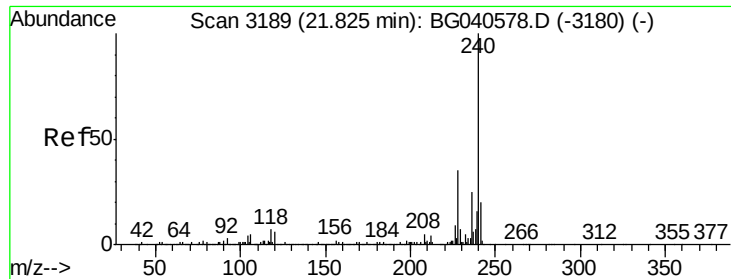


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

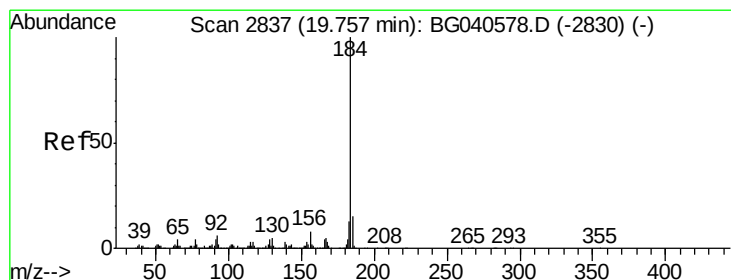
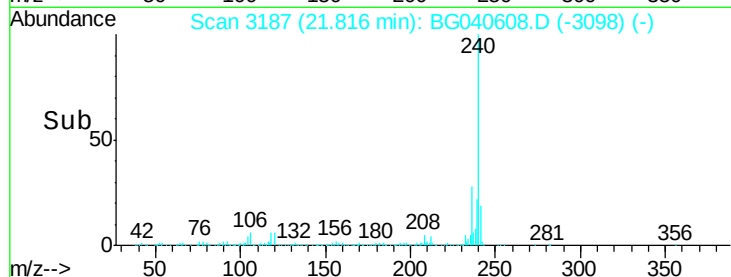
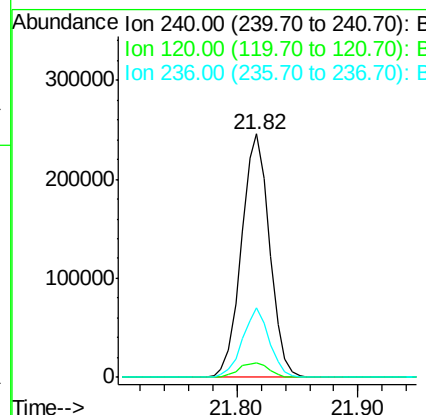
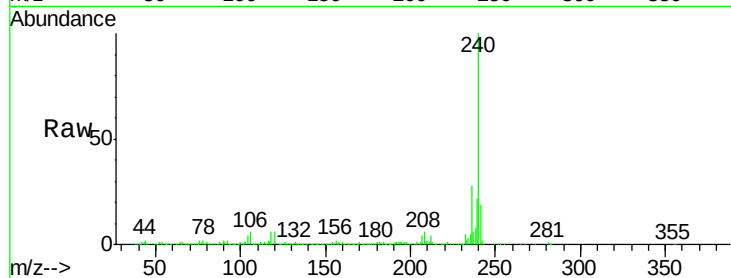




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040608.D
Acq: 25 Apr 2019 13:36

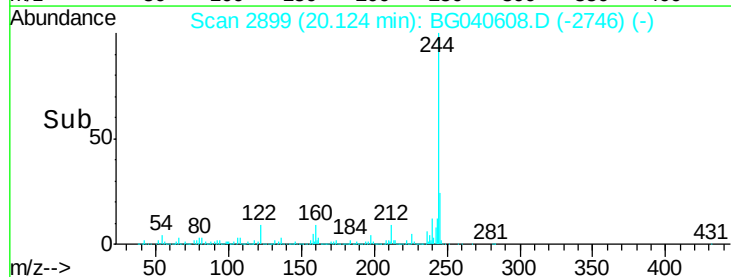
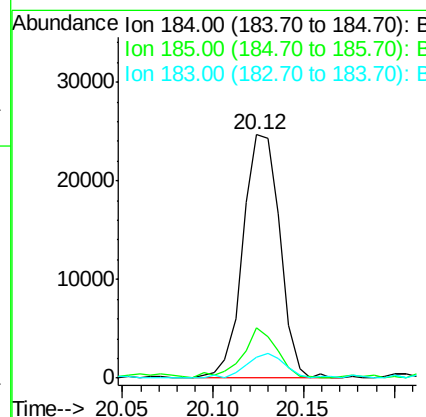
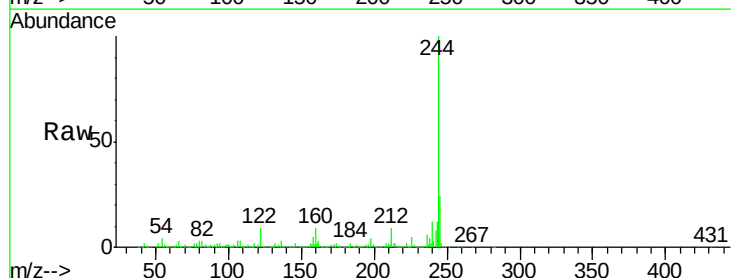
Instrument :
BNA_G
ClientSampleId :

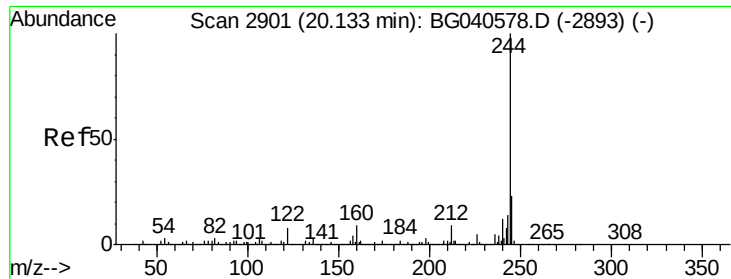
Tot Ion:240 Resp: 398973
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.6
236 28.4 20.3 30.5



#77
Benzidine
Concen: 3.192 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG040608.D
Acq: 25 Apr 2019 13:36

Tgt Ion:184 Resp: 34875
Ion Ratio Lower Upper
184 100
185 20.5 11.8 17.8#
183 8.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 92.292 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

Instrument :

BNA_G

ClientSampleId :

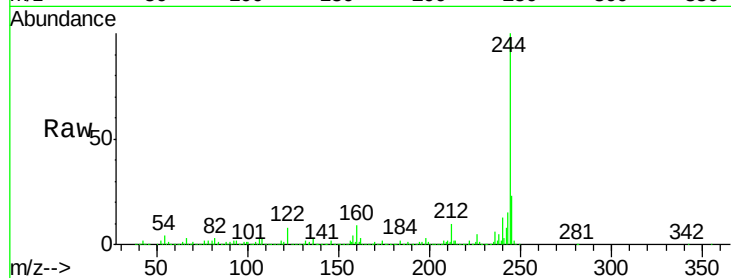
Tot Ion:244 Resp: 1662083

Ion Ratio Lower Upper

244 100

212 9.9 7.2 10.8

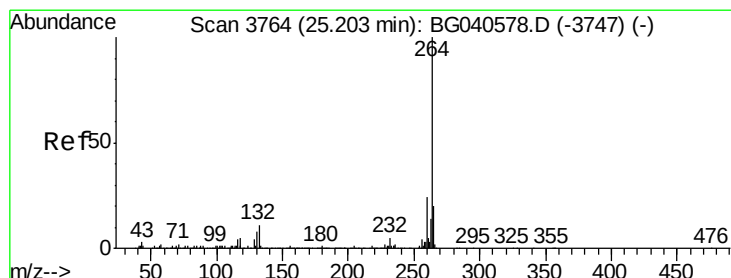
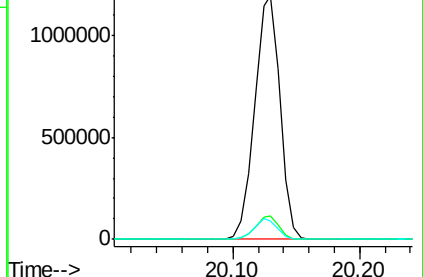
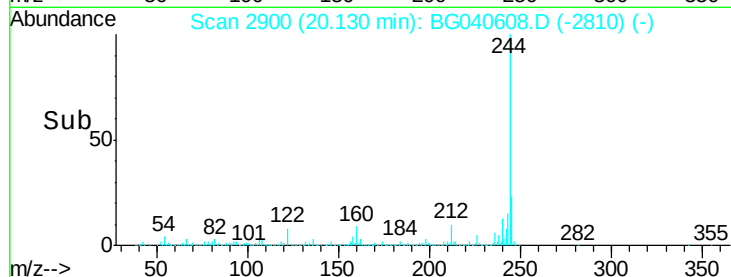
122 7.8 6.6 10.0



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: 25.19 min Scan# 3761

Delta R.T. -0.01 min

Lab File: BG040608.D

Acq: 25 Apr 2019 13:36

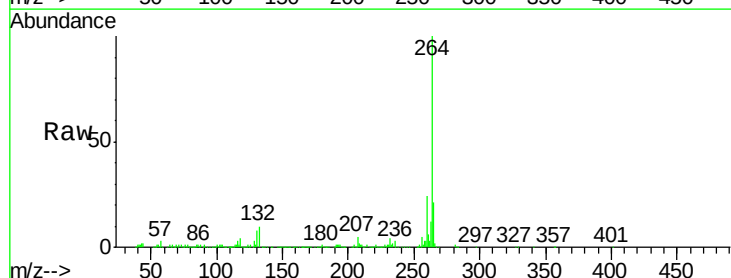
Tgt Ion:264 Resp: 417901

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.2 16.6 25.0



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

