

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040605.D
 Acq On : 25 Apr 2019 11:43
 Operator : JU/SJ
 Sample : K2542-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:53:30 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

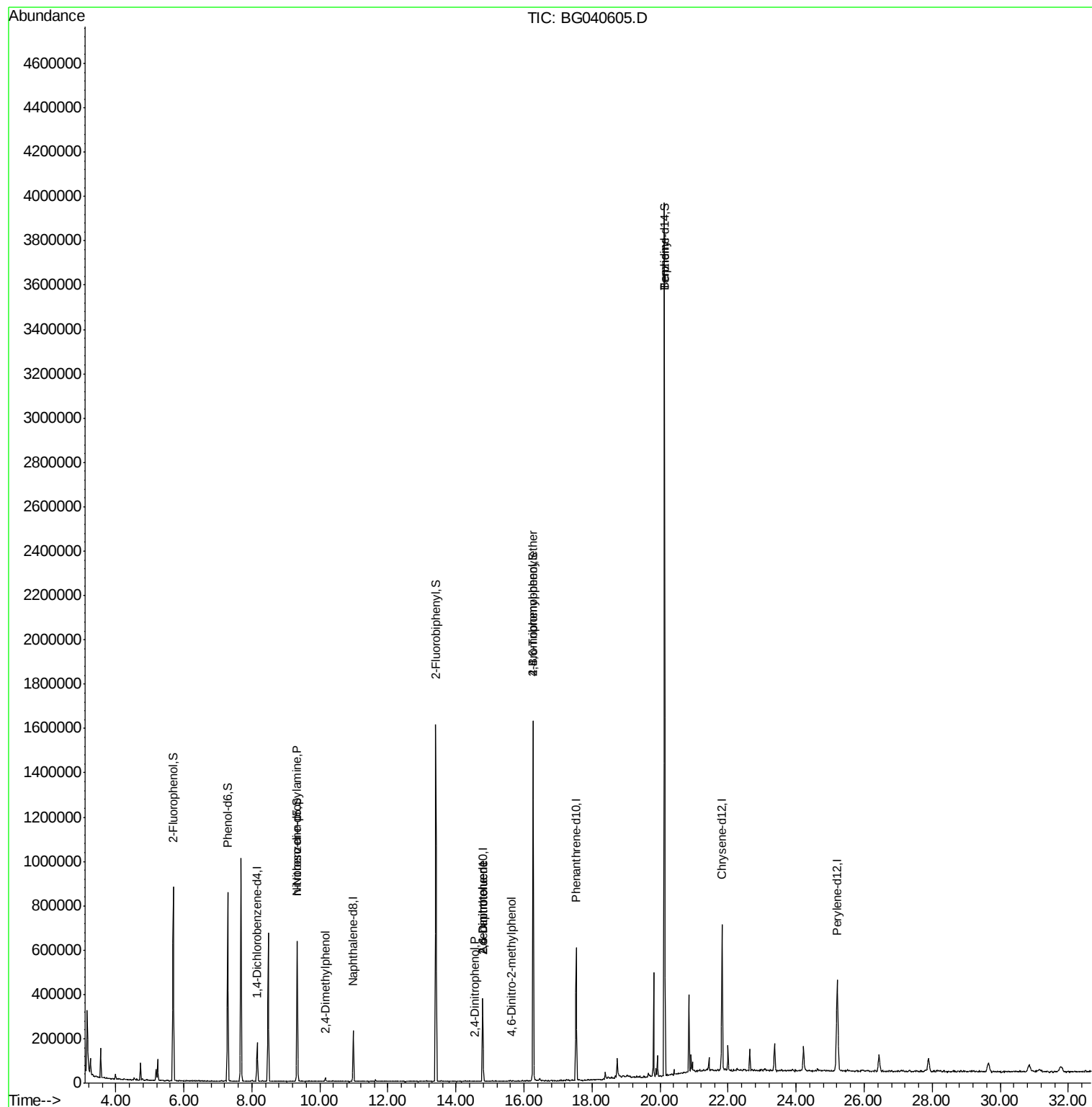
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41210	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	166034	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	125723	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	355759	20.00	ng	0.00
76) Chrysene-d12	21.82	240	384776	20.00	ng	0.00
87) Perylene-d12	25.21	264	400604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	307209	131.41	ng	0.00
7) Phenol-d6	7.29	99	407678	113.26	ng	0.00
23) Nitrobenzene-d5	9.33	82	361667	100.65	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	261994	151.61	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	775153	89.04	ng	0.00
79) Terphenyl-d14	20.13	244	1662462	95.72	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1393	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	52845	16.309 ng	#	6
27) 2,4-Dimethylphenol	10.17	122	5759	2.233 ng	#	74
51) 2,6-Dinitrotoluene	14.78	165	16385	7.981 ng	#	1
54) 2,4-Dinitrophenol	14.53	184	75	7.074 ng	#	14
57) 2,4-Dinitrotoluene	14.78	165	16385	5.873 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.65	198	56	7.128 ng	#	16
67) 4-Bromophenyl-phenylether	16.27	248	19683	4.441 ng	#	28
77) Benzidine	20.13	184	34713	3.295 ng	#	1
					#	93

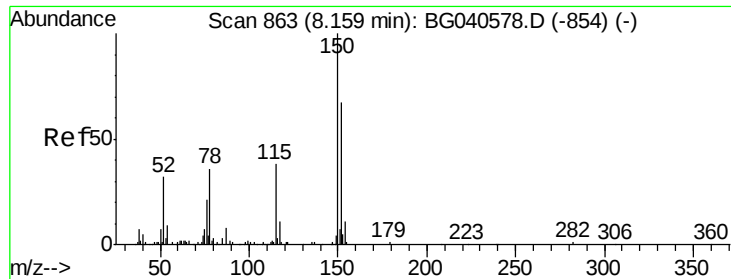
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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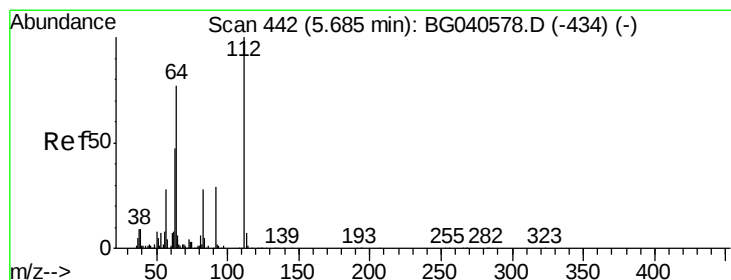
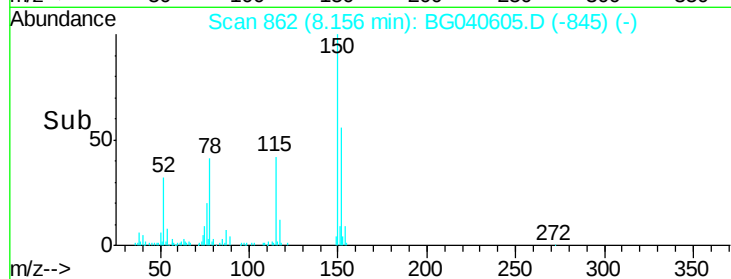
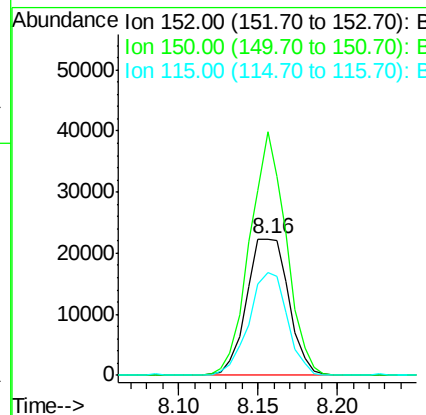
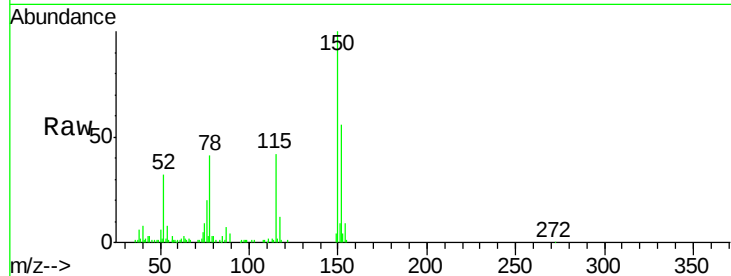


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040605.D
Acq: 25 Apr 2019 11:43

Instrument :
BNA_G
ClientSampleId :

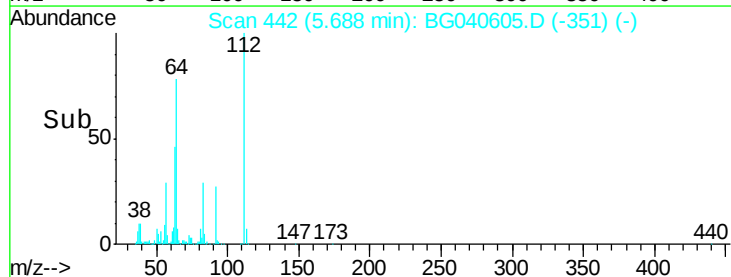
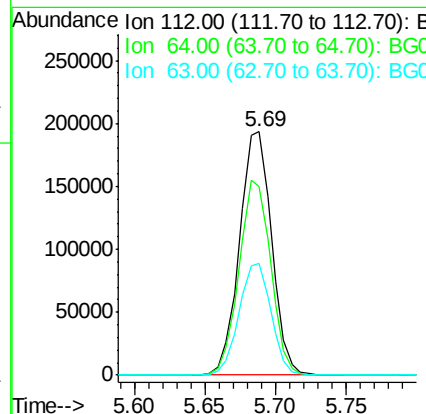
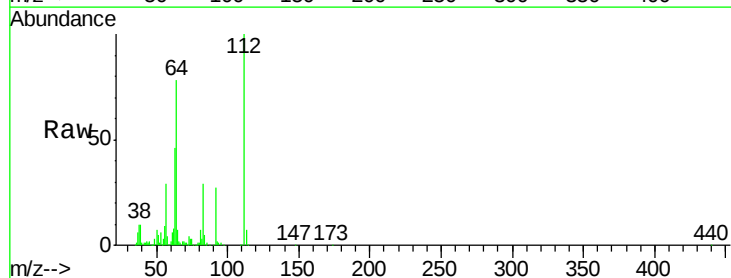
Tot Ion:152 Resp: 41210
Ion Ratio Lower Upper
152 100
150 178.4 120.2 180.2
115 74.9 46.2 69.2#



#5

2-Fluorophenol
Concen: 131.409 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040605.D
Acq: 25 Apr 2019 11:43

Tgt Ion:112 Resp: 307209
Ion Ratio Lower Upper
112 100
64 77.5 61.4 92.0
63 45.9 37.8 56.6





#7

Phenol-d6

Concen: 113.258 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampleId :

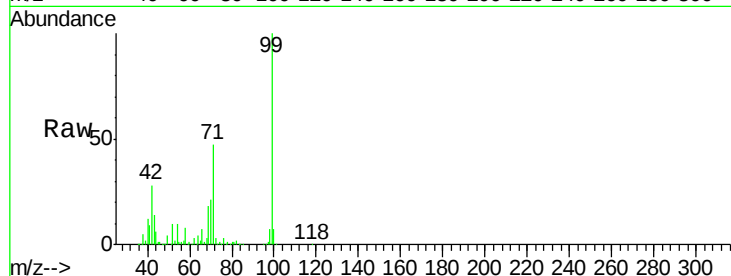
Tot Ion: 99 Resp: 407678

Ion Ratio Lower Upper

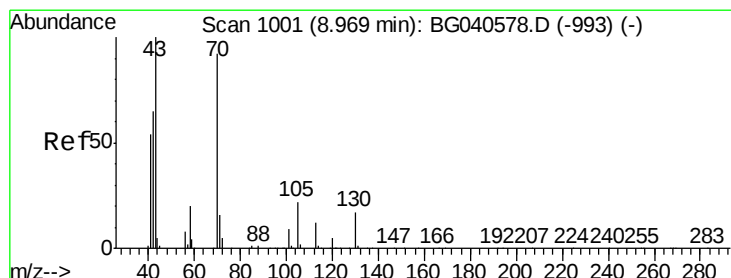
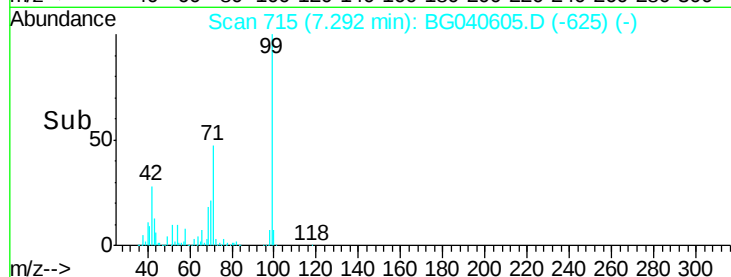
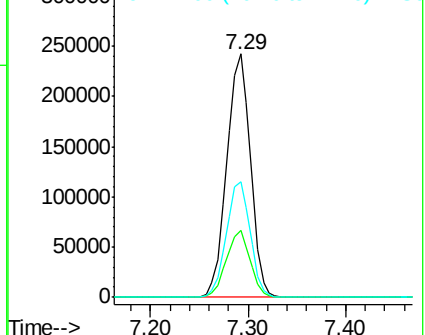
99 100

42 27.6 21.8 32.8

71 47.4 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: 16.309 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Tgt Ion: 70 Resp: 52845

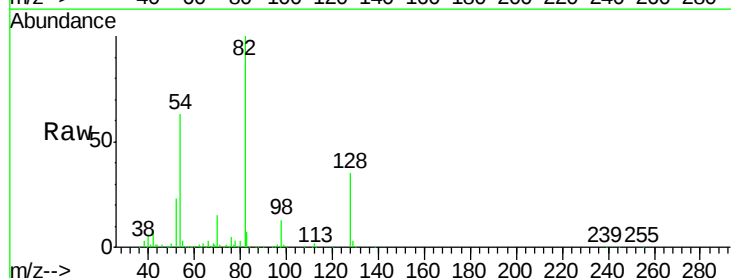
Ion Ratio Lower Upper

70 100

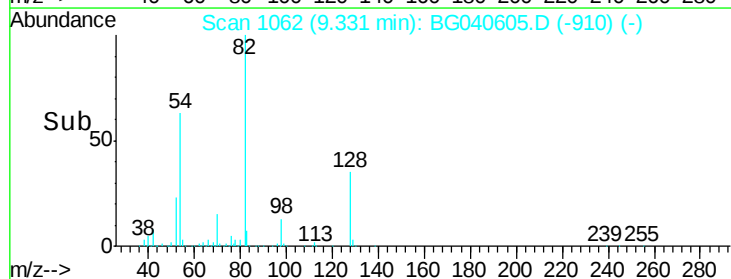
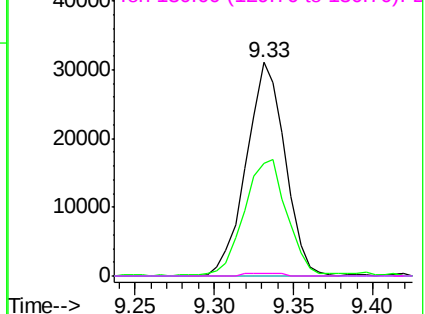
42 53.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.1 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: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 166034

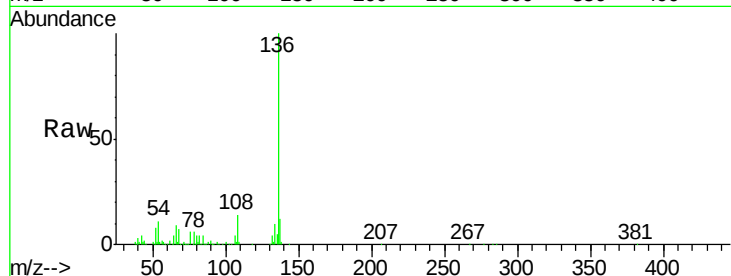
Ion Ratio Lower Upper

136 100

137 11.9 9.7 14.5

54 11.0 8.6 12.8

68 6.5 4.8 7.2

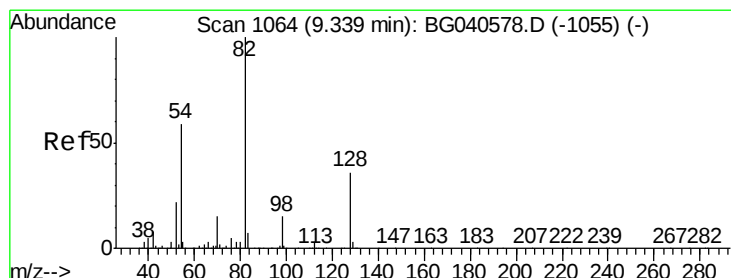
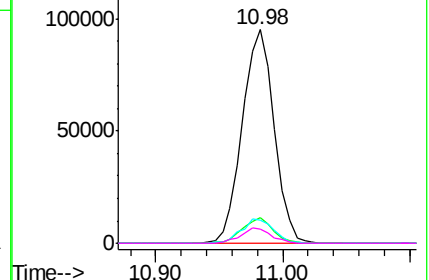
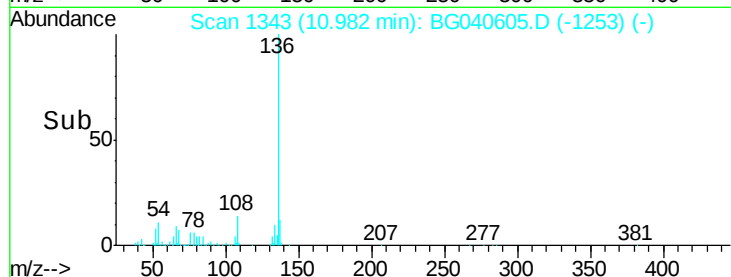


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.650 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

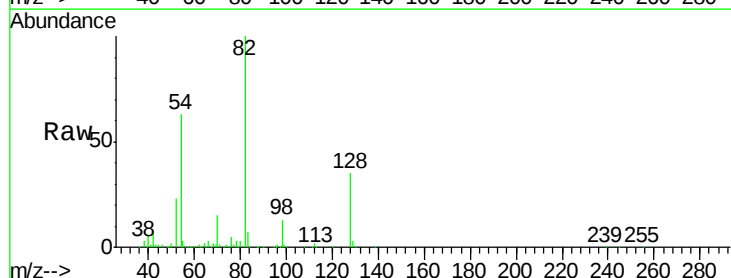
Tgt Ion: 82 Resp: 361667

Ion Ratio Lower Upper

82 100

128 35.4 28.9 43.3

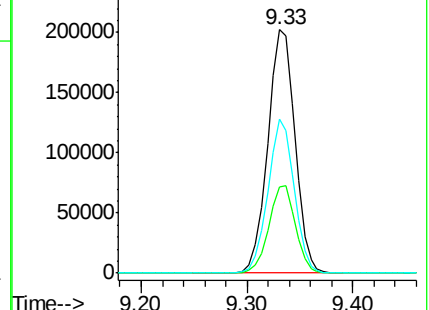
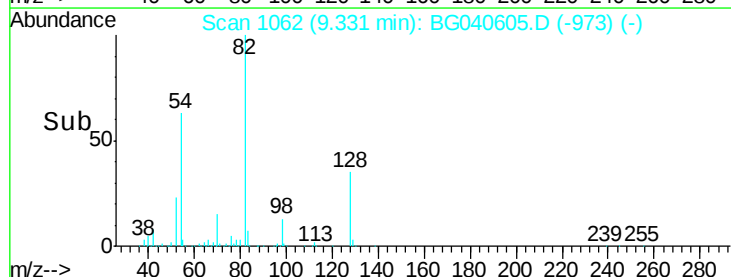
54 63.2 47.2 70.8

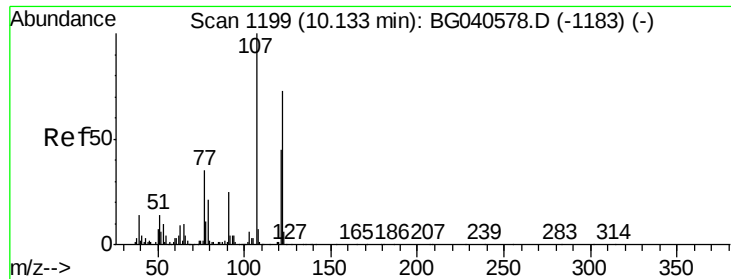


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

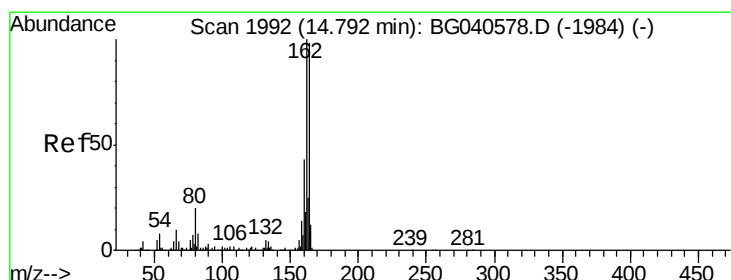
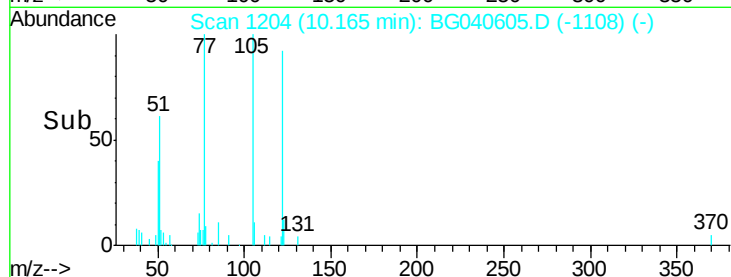
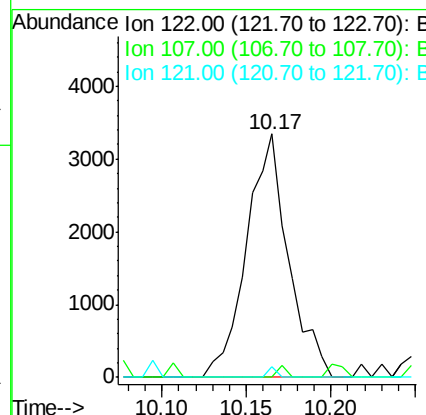
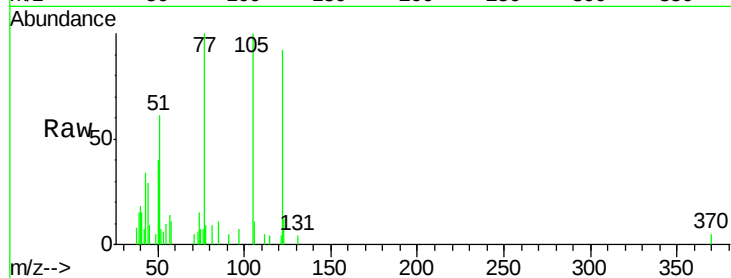




#27
 2,4-Dimethylphenol
 Concen: 2.233 ng
 RT: 10.17 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

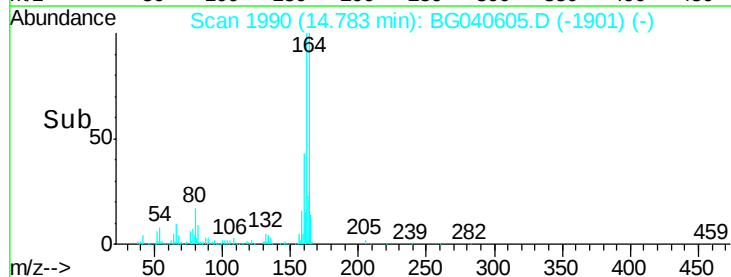
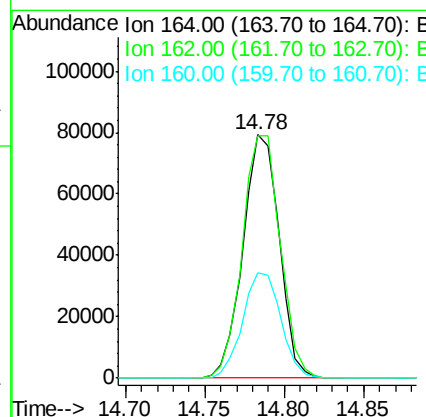
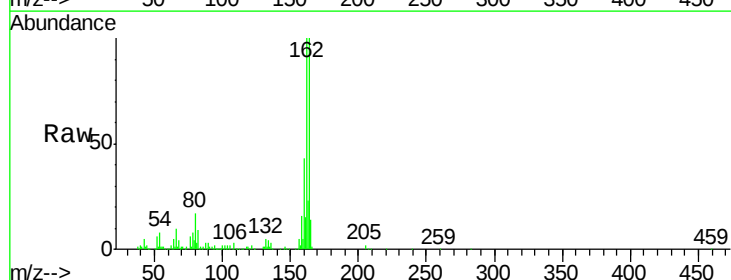
Instrument :
 BNA_G
 ClientSampleId :

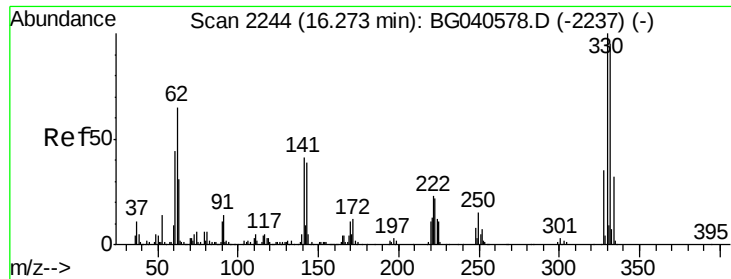
Tot Ion:122 Resp: 5759
 Ion Ratio Lower Upper
 122 100
 107 0.0 110.1 165.1#
 121 4.5 49.4 74.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

Tgt Ion:164 Resp: 125723
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.9 122.9
 160 43.4 35.4 53.2

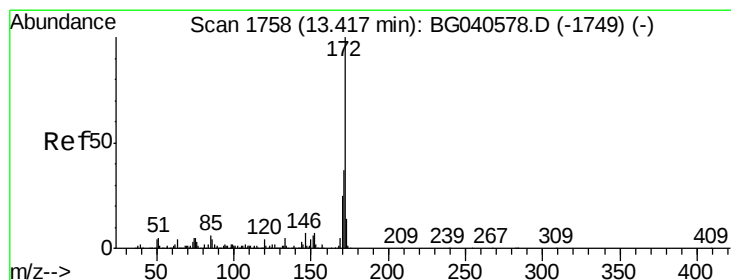
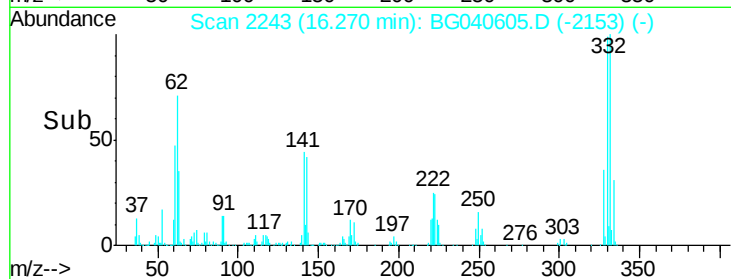
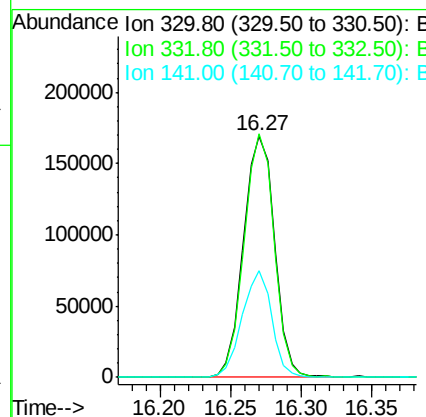
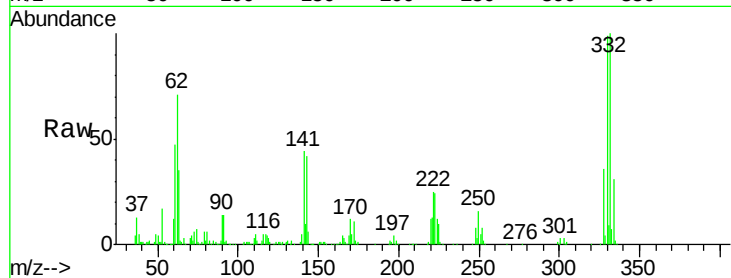




#42
 2,4,6-Tribromophenol
 Concen: 151.609 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

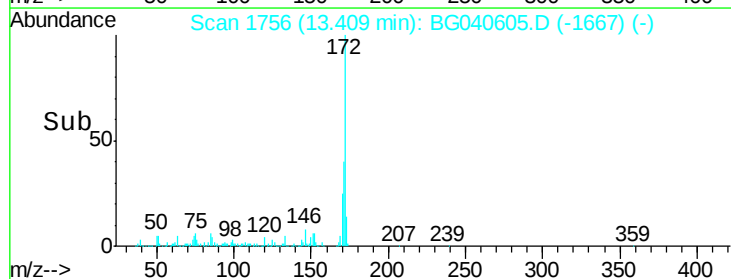
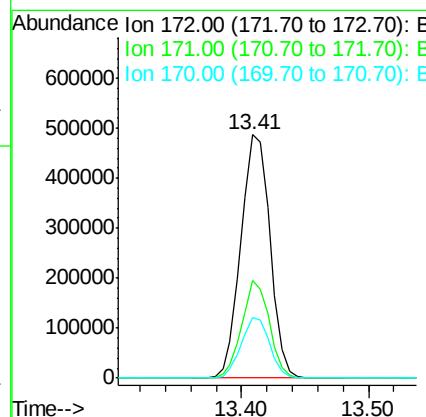
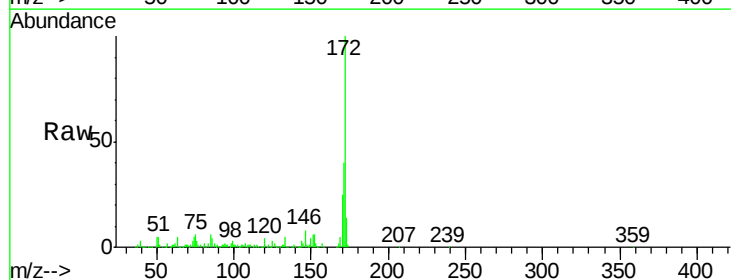
Instrument :
 BNA_G
 ClientSampleId :

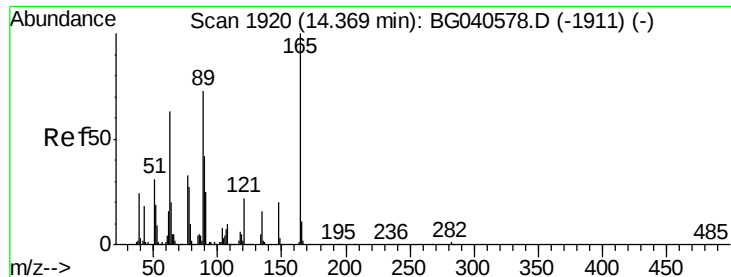
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.9	113.9
141	42.0	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 89.043 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	29.4	44.2
170	25.0	19.9	29.9





#51

2,6-Dinitrotoluene

Concen: 7.981 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampled :

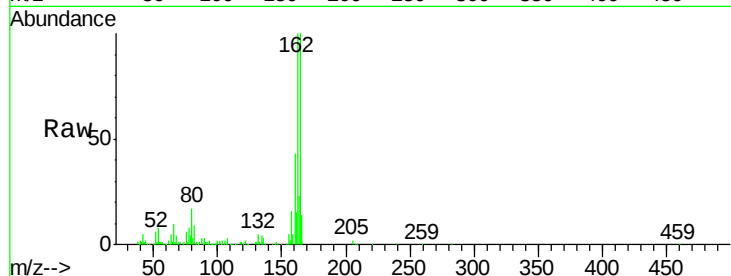
Tot Ion:165 Resp: 16385

Ion Ratio Lower Upper

165 100

63 2.2 61.0 91.4#

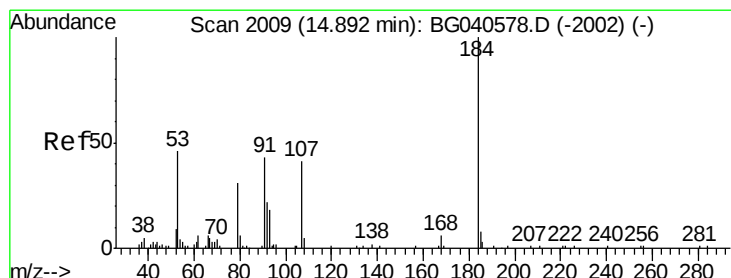
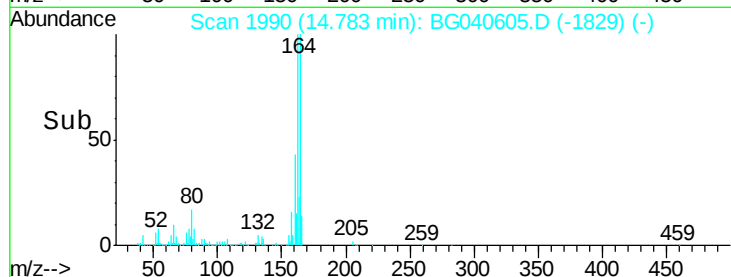
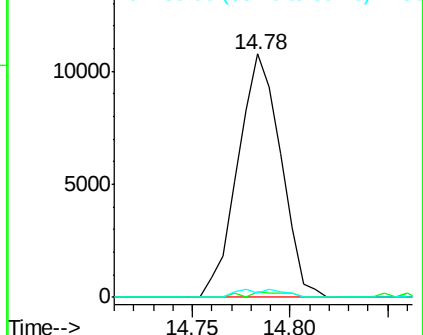
89 1.7 58.6 87.8#



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: 7.074 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.36 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

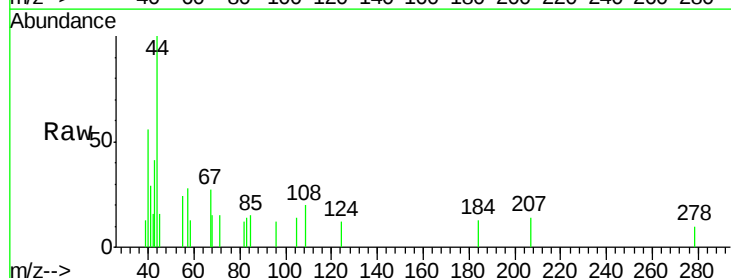
Tgt Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

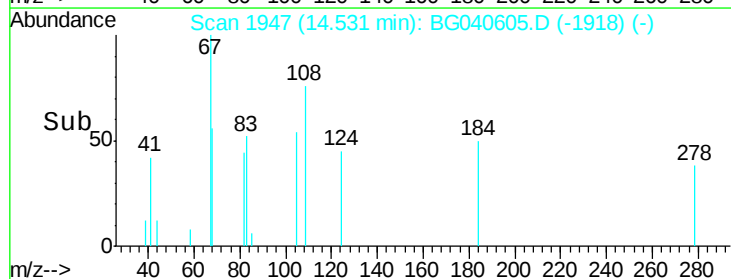
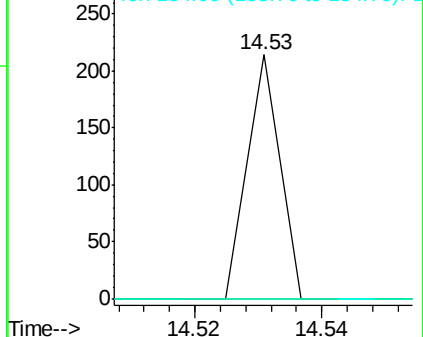
154 0.0 43.6 65.4#

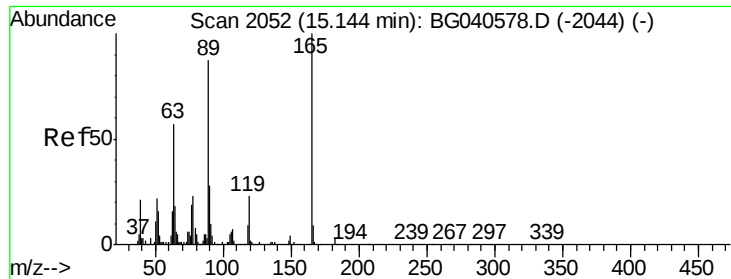


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.873 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

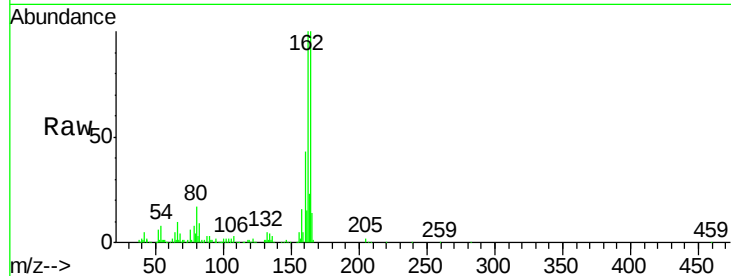
Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 16385

Ion Ratio Lower Upper

165 100

63 2.2 45.8 68.8#

89 1.7 69.4 104.2#

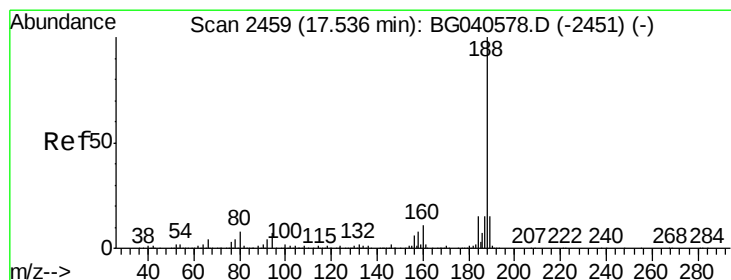
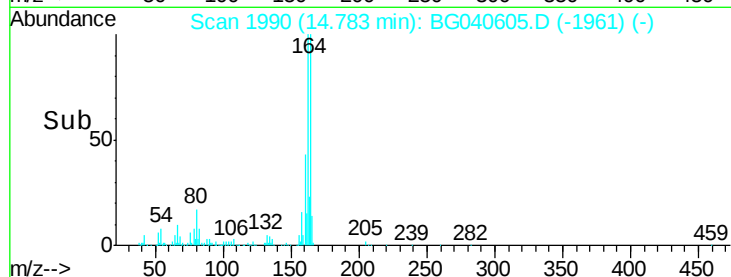
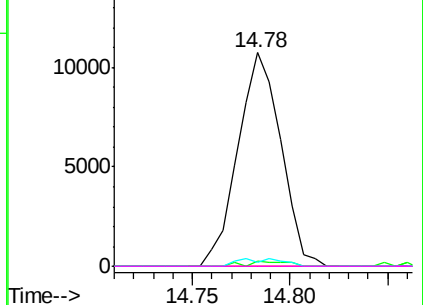
182 0.0 2.2 3.4#

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# 2458

Delta R.T. -0.00 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Tgt Ion:188 Resp: 355759

Ion Ratio Lower Upper

188 100

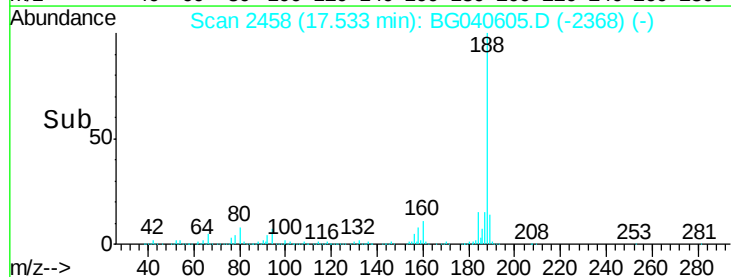
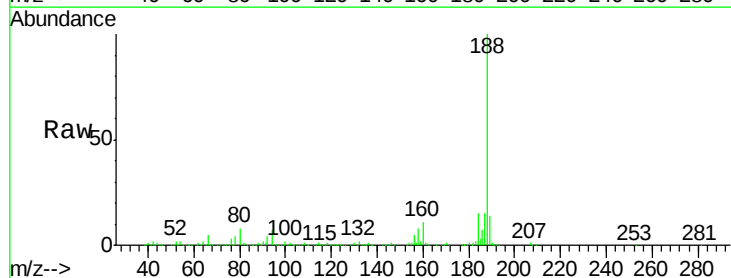
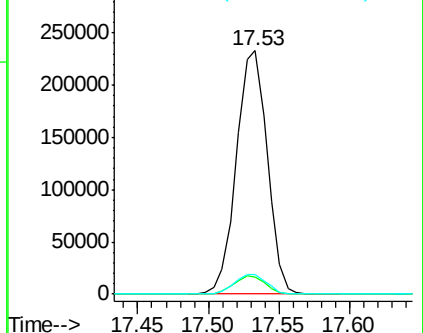
94 7.2 5.6 8.4

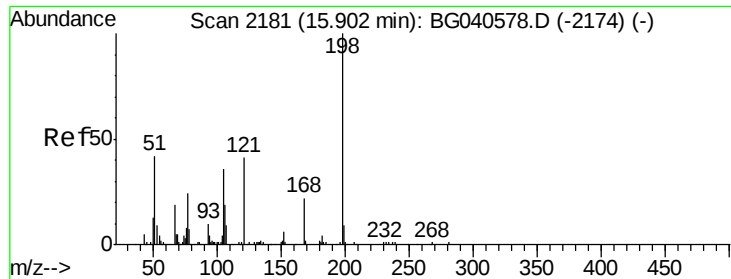
80 7.9 6.4 9.6

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: 7.128 ng

RT: 15.65 min Scan# 2137

Delta R.T. -0.25 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampled :

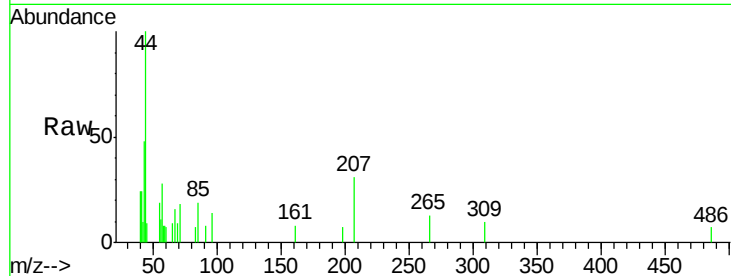
Tot Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

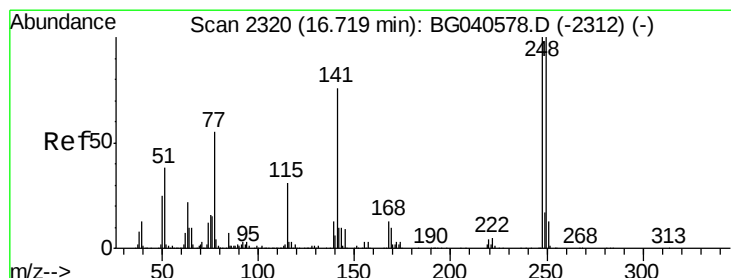
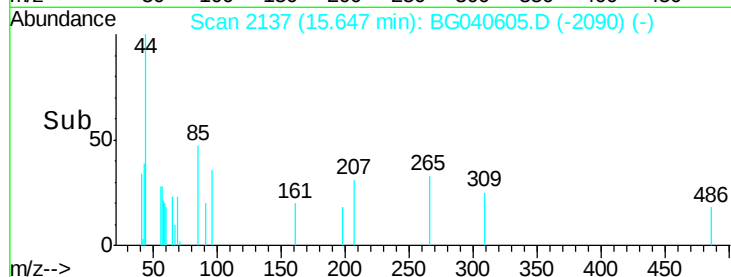
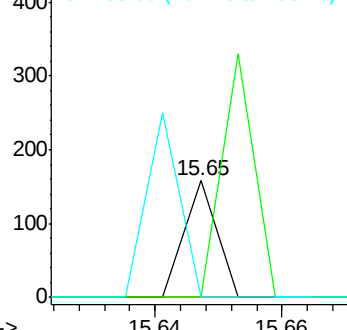
105 0.0 21.2 61.2#



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: 4.441 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

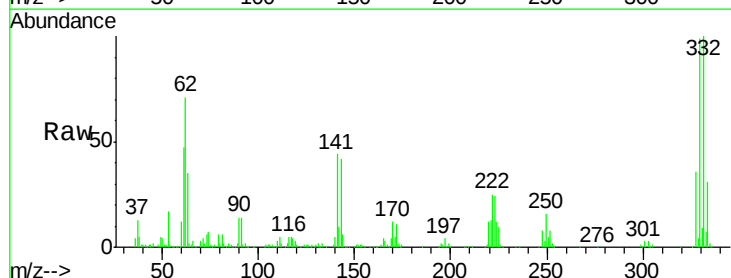
Tgt Ion:248 Resp: 19683

Ion Ratio Lower Upper

248 100

250 213.0 79.8 119.6#

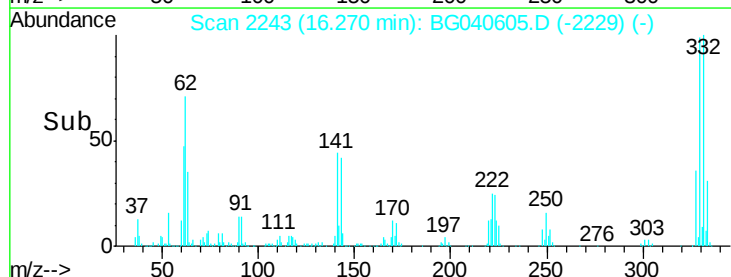
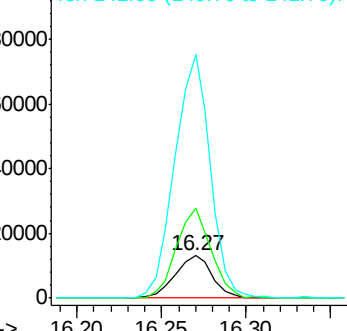
141 578.2 60.8 91.2#

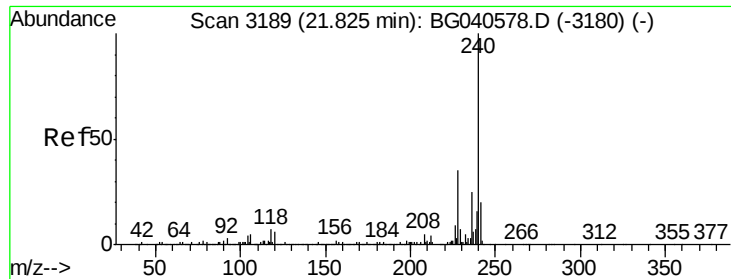


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

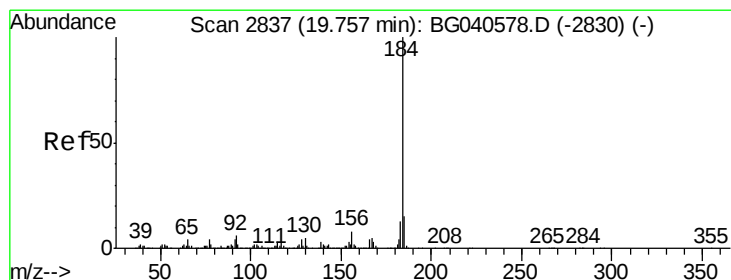
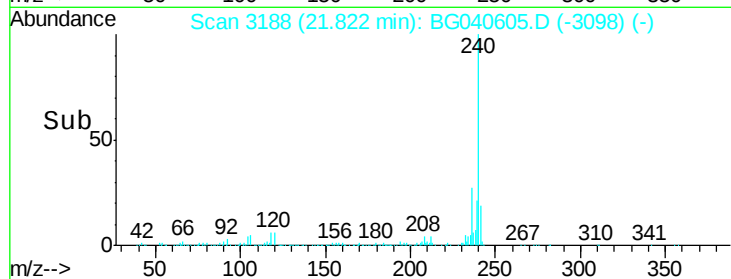
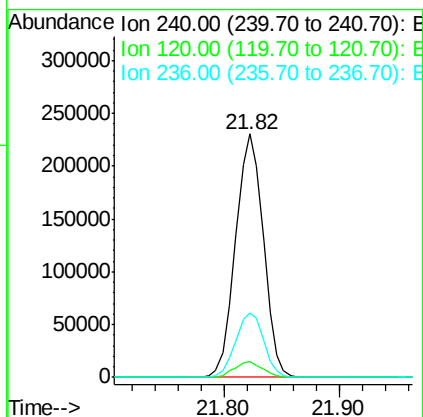
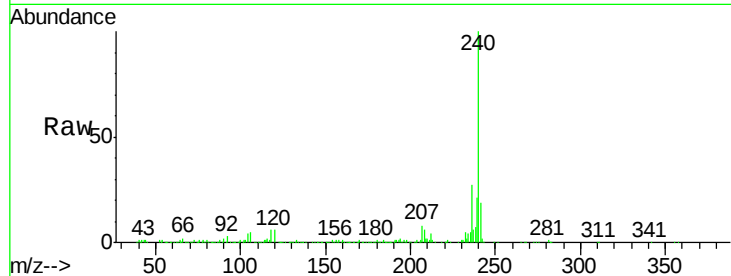




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

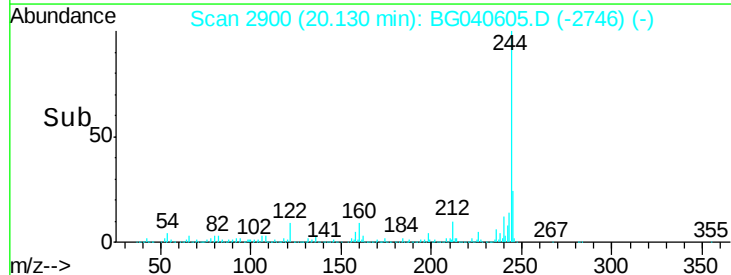
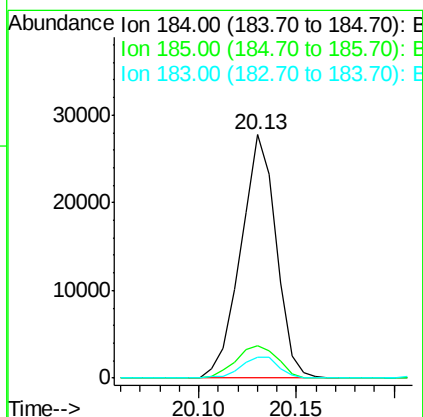
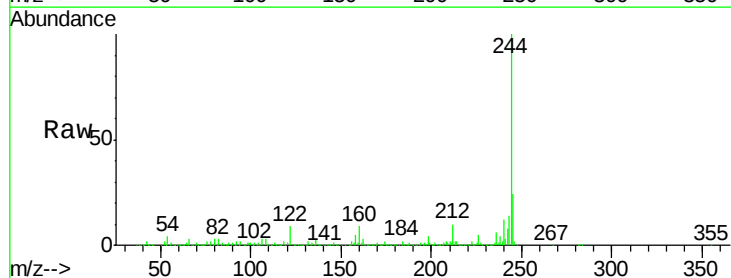
Instrument :
 BNA_G
 ClientSampleId :

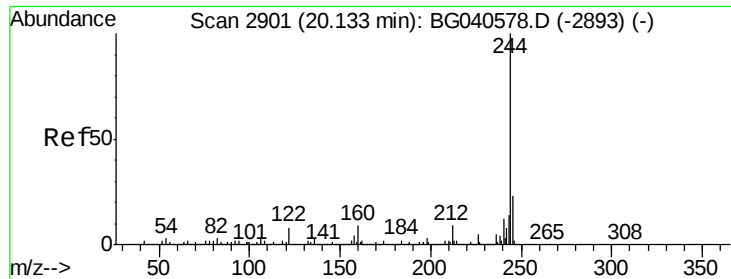
Tot Ion:240 Resp: 384776
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.0 7.6
 236 26.7 20.3 30.5



#77
 Benzidine
 Concen: 3.295 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.37 min
 Lab File: BG040605.D
 Acq: 25 Apr 2019 11:43

Tgt Ion:184 Resp: 34713
 Ion Ratio Lower Upper
 184 100
 185 13.4 11.8 17.8
 183 8.7 10.2 15.2#





#79

Terphenyl-d14

Concen: 95.719 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

Instrument :

BNA_G

ClientSampleId :

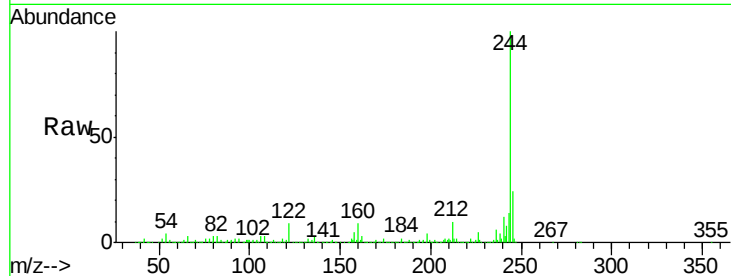
Tot Ion:244 Resp: 1662462

Ion Ratio Lower Upper

244 100

212 10.0 7.2 10.8

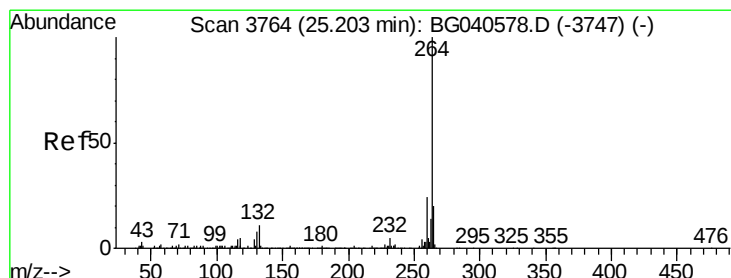
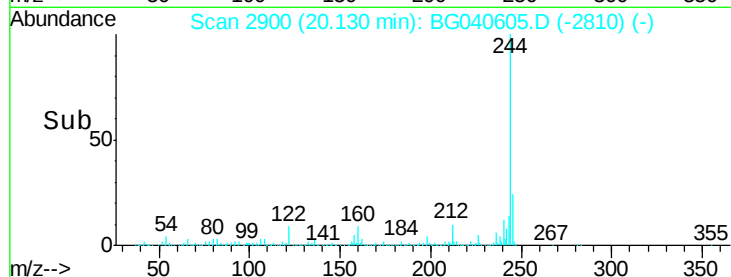
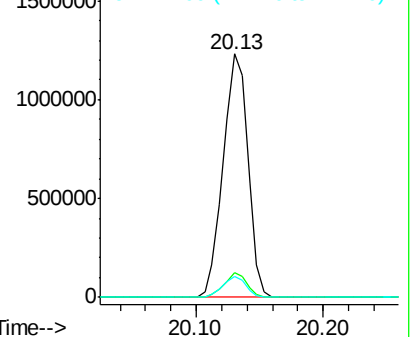
122 8.6 6.6 10.0



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: 25.21 min Scan# 3764

Delta R.T. 0.00 min

Lab File: BG040605.D

Acq: 25 Apr 2019 11:43

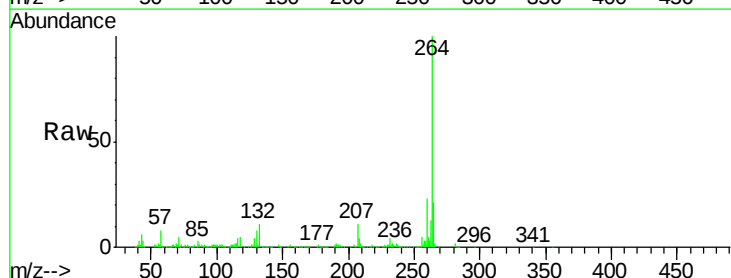
Tgt Ion:264 Resp: 400604

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 20.8 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

