

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040812.D
 Acq On : 9 May 2019 8:20
 Operator : HP/JU
 Sample : K2641-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 11:26:33 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

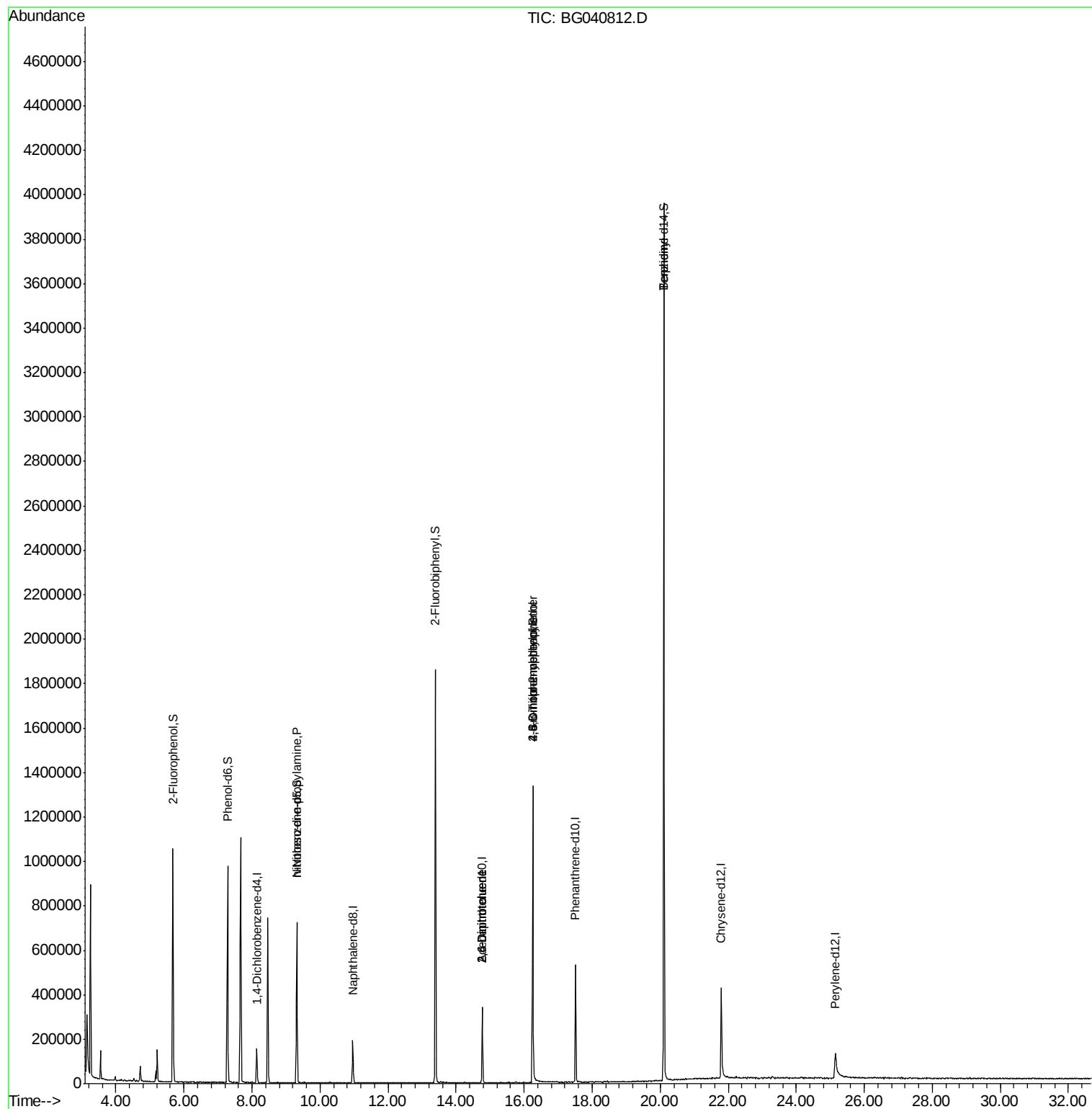
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	38897	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	151943	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	114823	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	326663	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	298284	20.00	ng	-0.03
87) Perylene-d12	25.16	264	204224	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	380950	172.64	ng	-0.01
7) Phenol-d6	7.28	99	500236	147.24	ng	-0.01
23) Nitrobenzene-d5	9.32	82	425432	129.37	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	255799	162.08	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	916884	115.32	ng	-0.02
79) Terphenyl-d14	20.11	244	1850558	137.45	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.27	77	1276	Below Cal	Qvalue #	6
19) n-Nitroso-di-n-propylamine	9.32	70	63445	20.745 ng	#	70
51) 2,6-Dinitrotoluene	14.77	165	14794	7.890 ng	#	13
57) 2,4-Dinitrotoluene	14.77	165	14794	5.807 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.25	198	848	7.550 ng	#	1
67) 4-Bromophenyl-phenylether	16.25	248	18705	4.596 ng	#	1
77) Benizidine	20.11	184	32623	3.994 ng	#	90

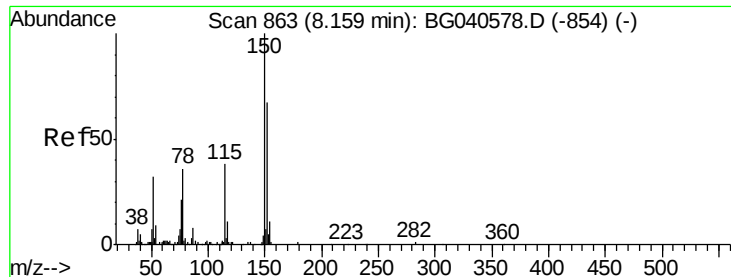
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Instrument :

BNA_G

ClientSampleId :

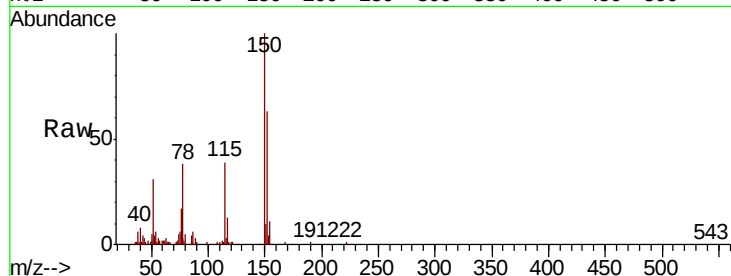
Tot Ion:152 Resp: 38897

Ion Ratio Lower Upper

152 100

150 158.4 120.2 180.2

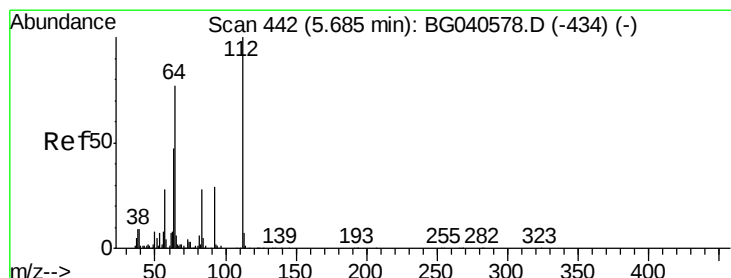
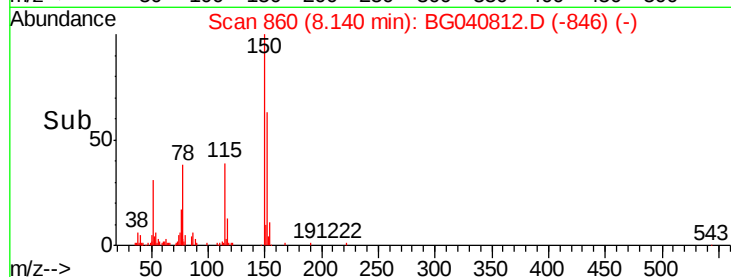
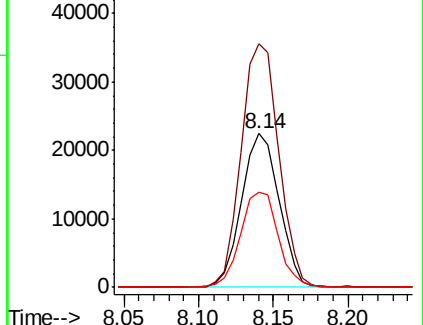
115 61.5 46.2 69.2



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: 172.642 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

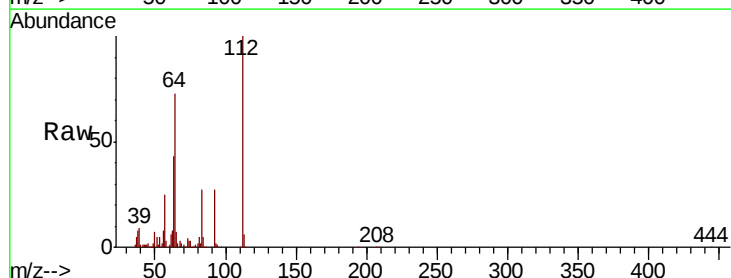
Tgt Ion:112 Resp: 380950

Ion Ratio Lower Upper

112 100

64 72.9 61.4 92.0

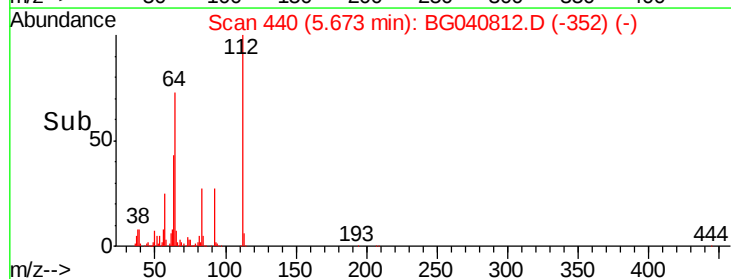
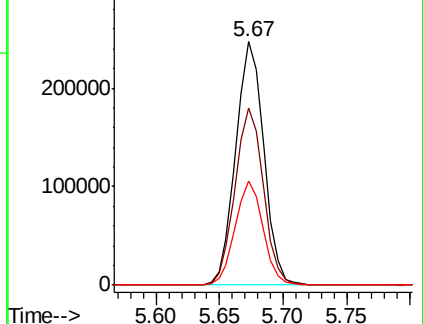
63 42.9 37.8 56.6

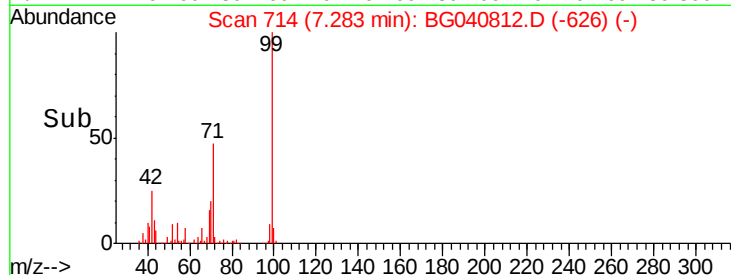
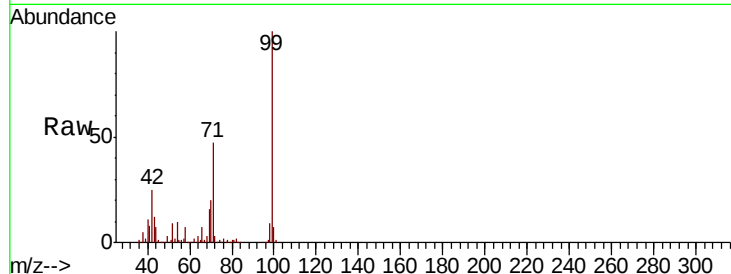


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 147.235 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Instrument :

BNA_G

ClientSampleId :

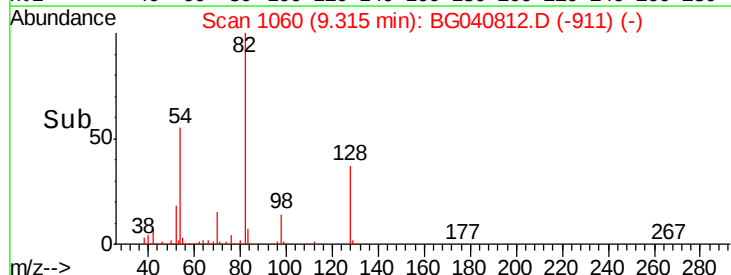
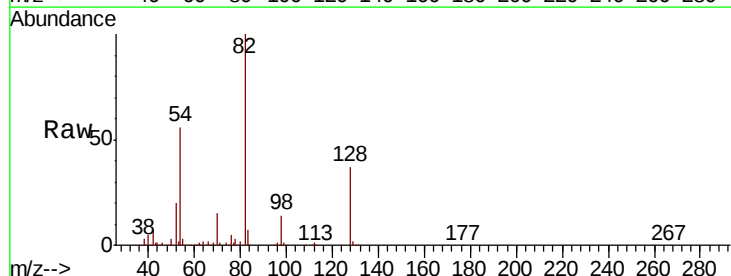
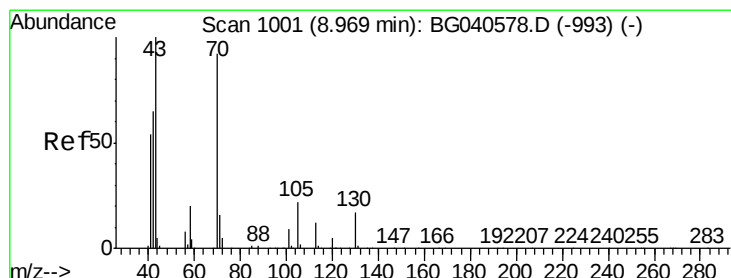
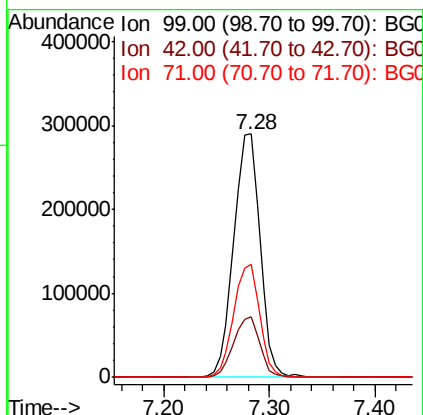
Tot Ion: 99 Resp: 500236

Ion Ratio Lower Upper

99 100

42 24.8 21.8 32.8

71 46.6 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 20.745 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Tgt Ion: 70 Resp: 63445

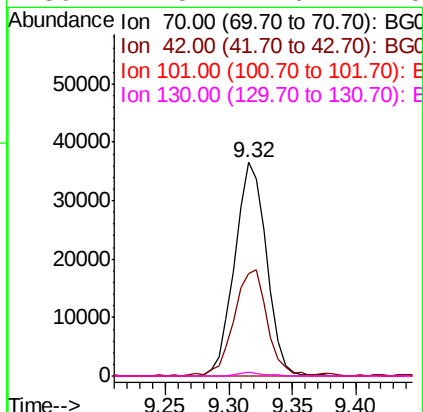
Ion Ratio Lower Upper

70 100

42 47.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

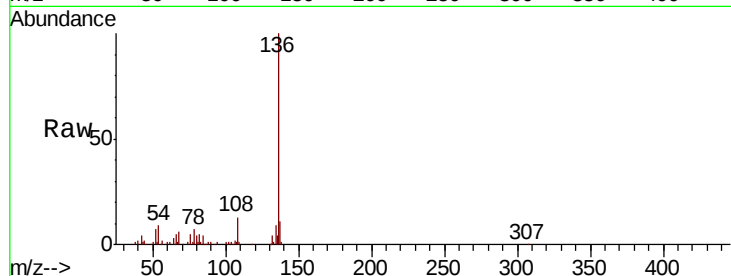




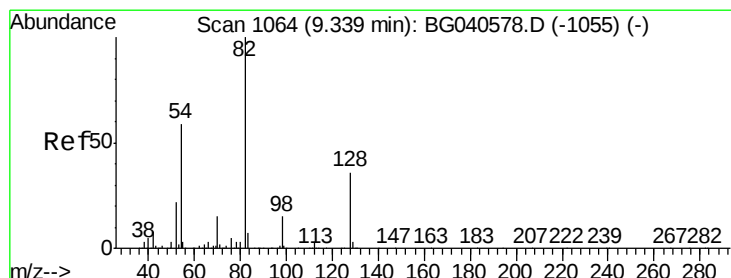
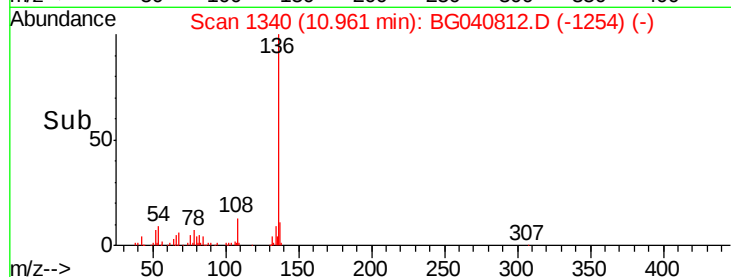
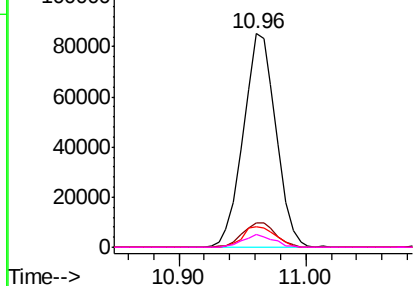
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040812.D
Acq: 9 May 2019 8:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	151943
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.7 14.5
54	9.4	8.6 12.8
68	5.9	4.8 7.2

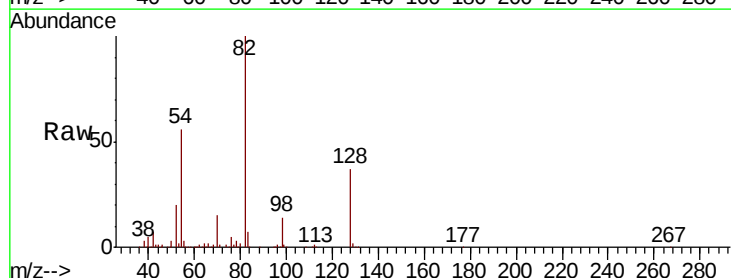


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

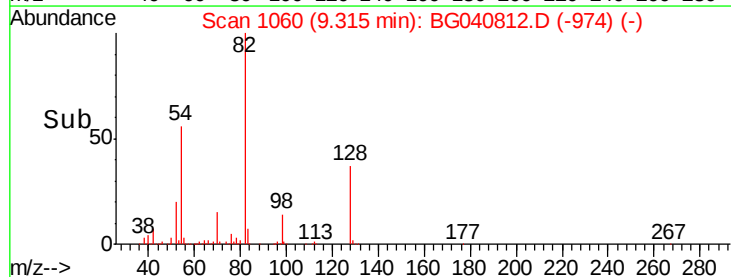
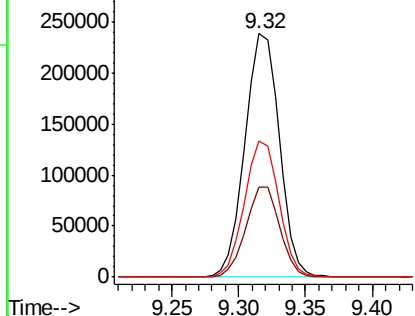


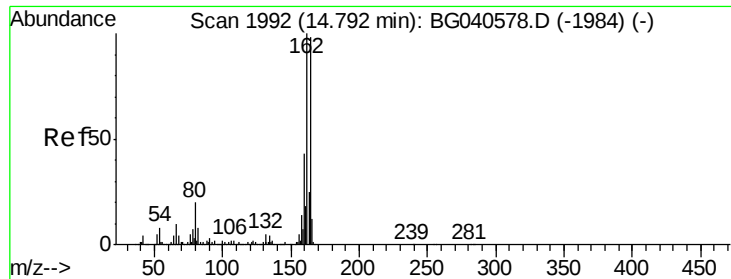
#23
Nitrobenzene-d5
Concen: 129.375 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040812.D
Acq: 9 May 2019 8:20

Tgt Ion: 82	Resp:	425432
Ion	Ratio	Lower Upper
82	100	
128	37.0	28.9 43.3
54	55.9	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Instrument :

BNA_G

ClientSampled :

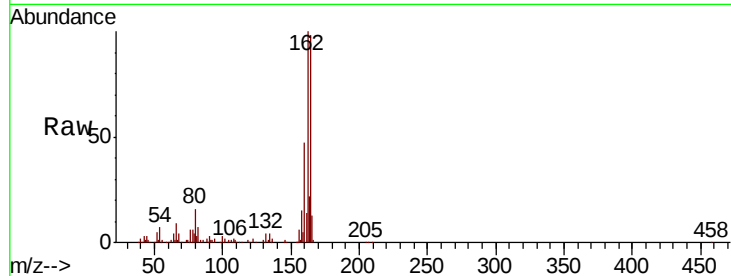
Tot Ion:164 Resp: 114823

Ion Ratio Lower Upper

164 100

162 101.6 81.9 122.9

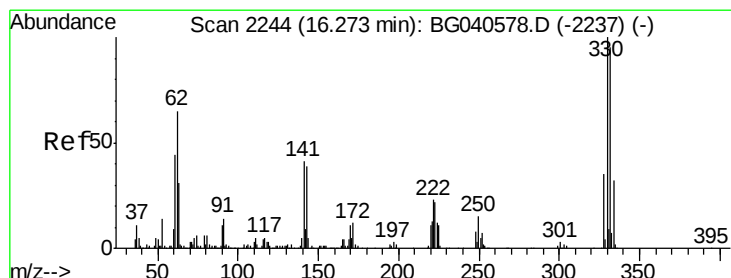
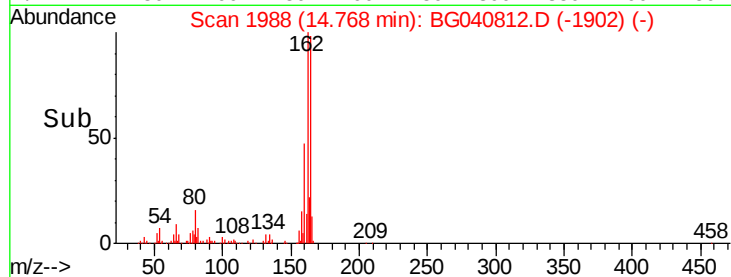
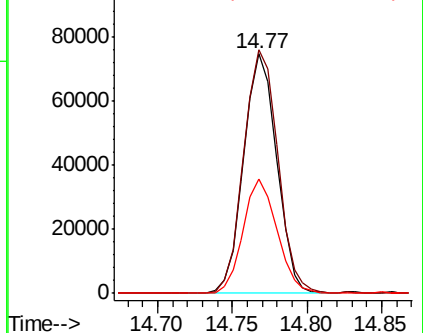
160 47.7 35.4 53.2



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: 162.076 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

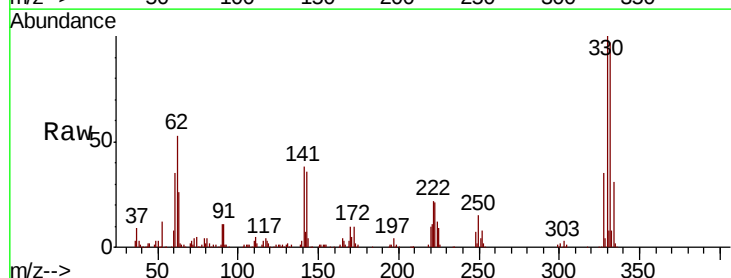
Tgt Ion:330 Resp: 255799

Ion Ratio Lower Upper

330 100

332 97.6 75.9 113.9

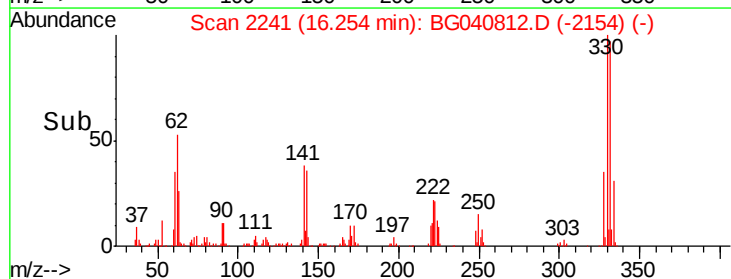
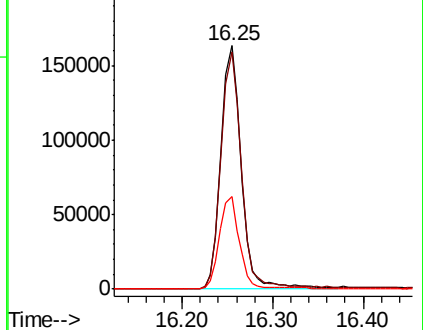
141 36.7 32.4 48.6

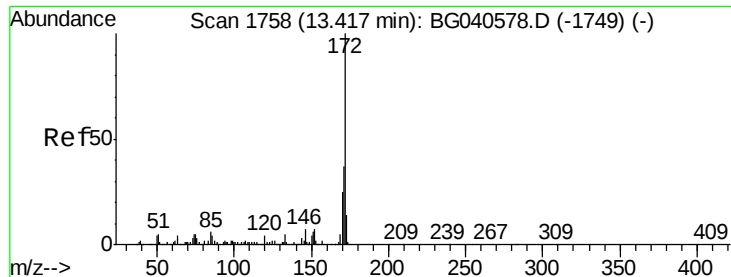


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 115.322 ng

RT: 13.39 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

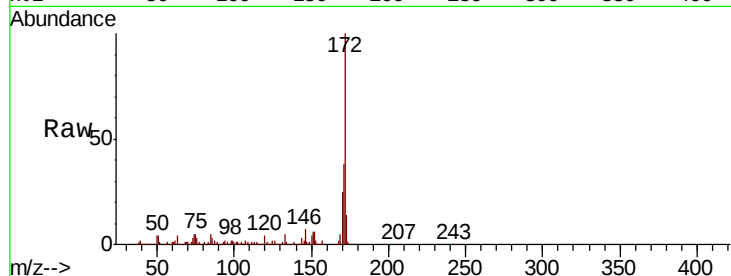
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 916884

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	25.1	19.9	29.9

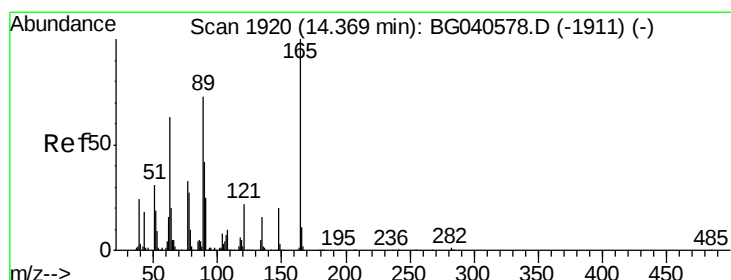
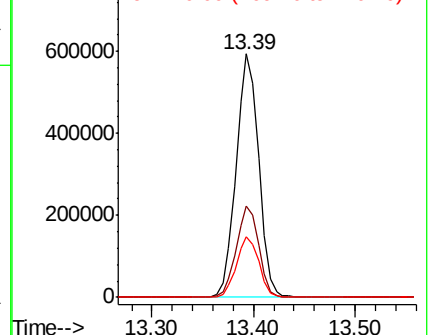
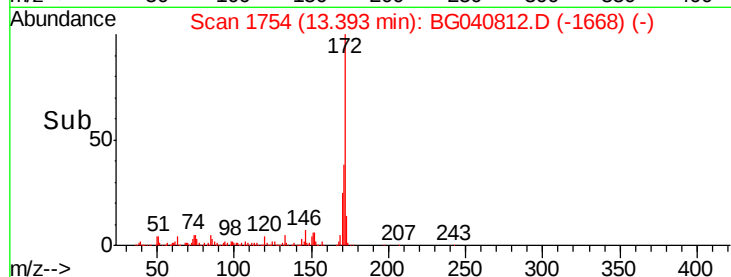


Abundance

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: 7.890 ng

RT: 14.77 min Scan# 1988

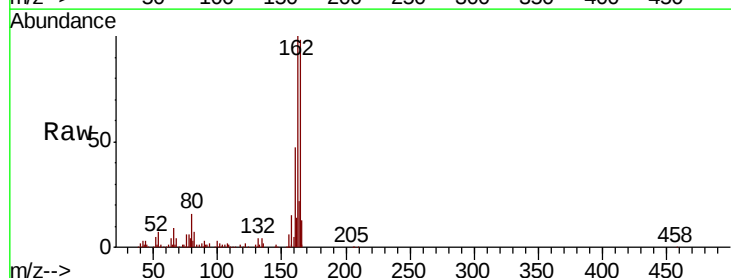
Delta R.T. 0.40 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Tgt Ion:165 Resp: 14794

Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	2.2	58.6	87.8#

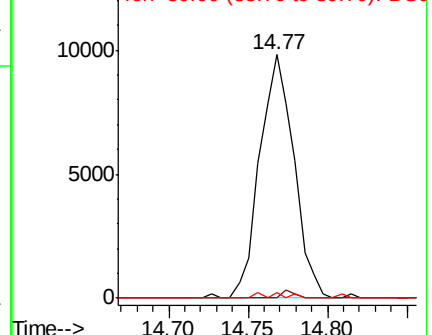
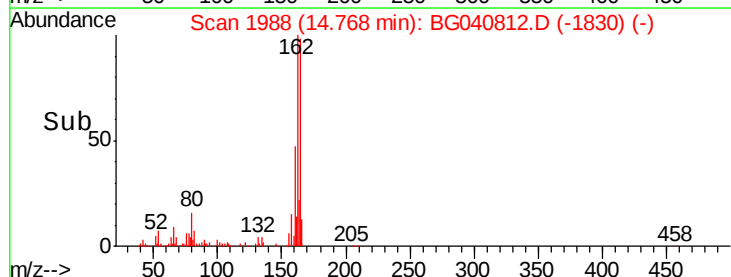


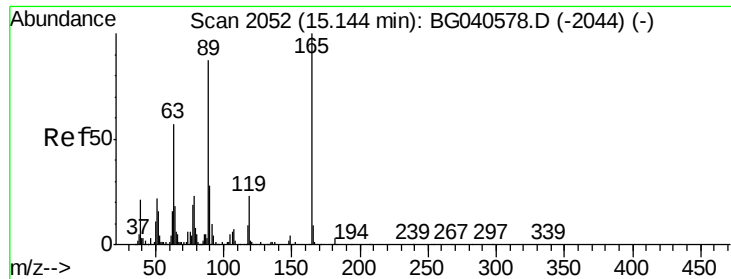
Abundance

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





#57

2,4-Dinitrotoluene

Concen: 5.807 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 14794

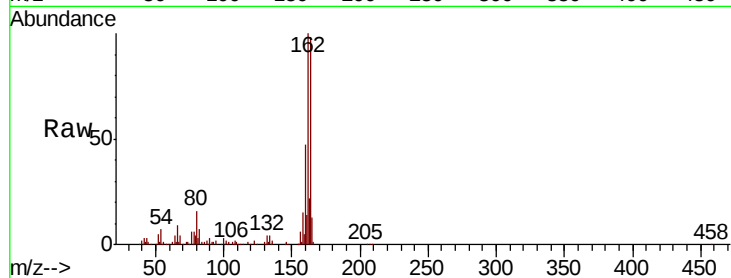
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 2.2 69.4 104.2#

182 0.0 2.2 3.4#

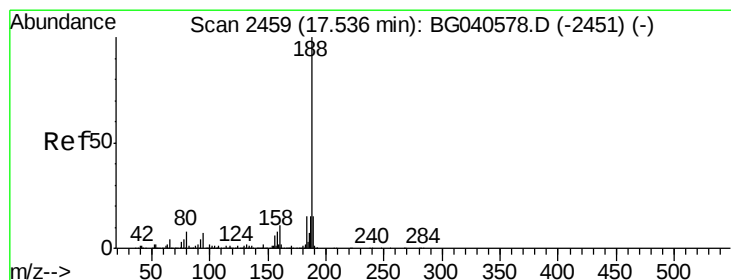
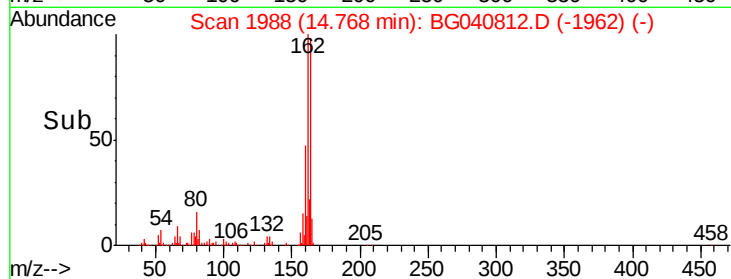
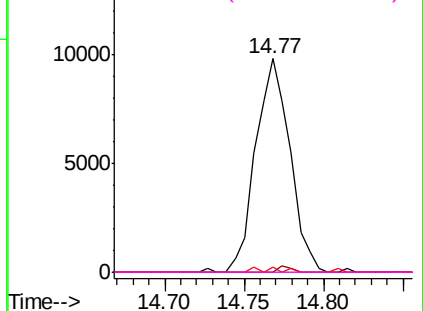


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

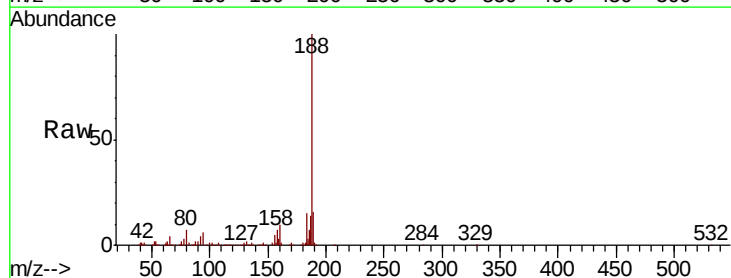
Tgt Ion:188 Resp: 326663

Ion Ratio Lower Upper

188 100

94 5.9 5.6 8.4

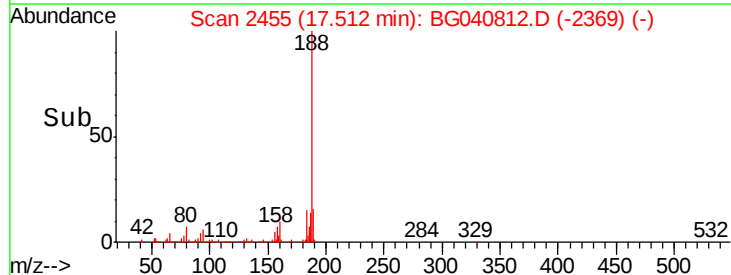
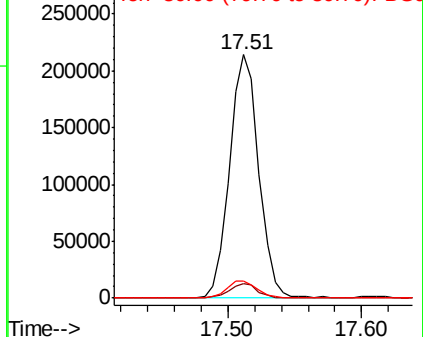
80 7.2 6.4 9.6

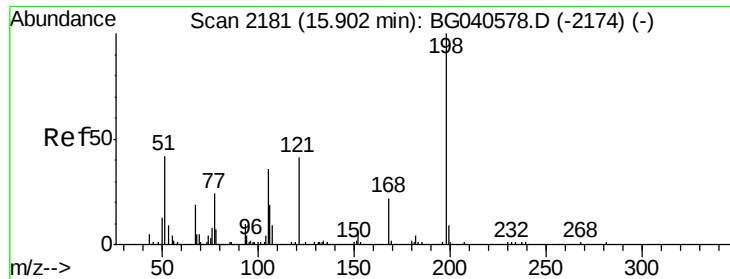


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

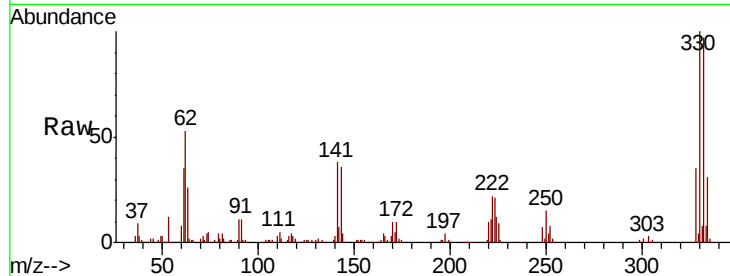




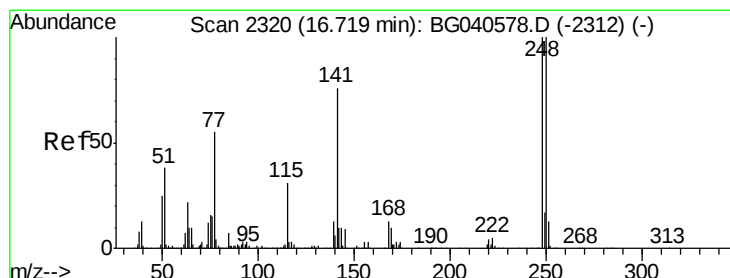
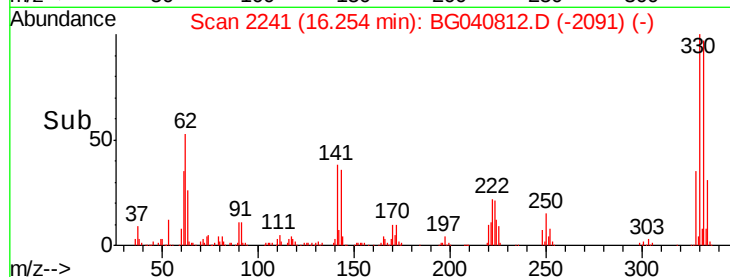
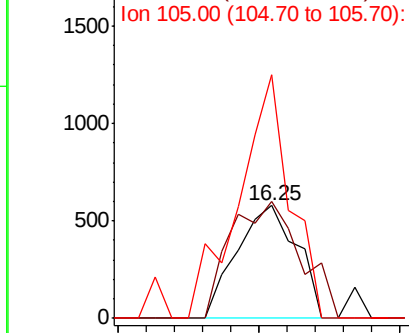
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.550 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. 0.35 min
 Lab File: BG040812.D
 Acq: 9 May 2019 8:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 848
 Ion Ratio Lower Upper
 198 100
 51 103.8 35.9 75.9#
 105 216.1 21.2 61.2#

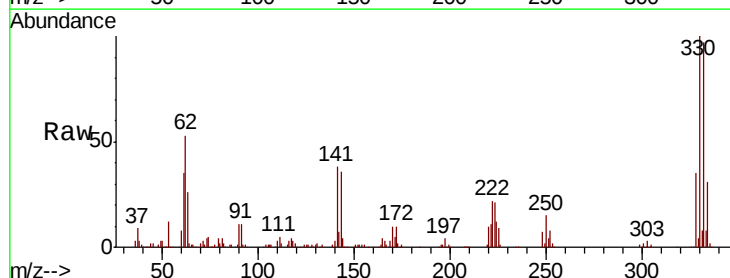


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

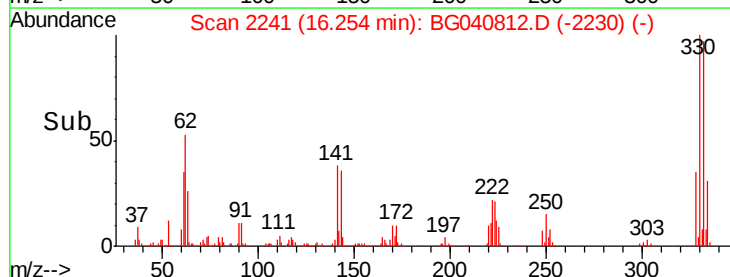
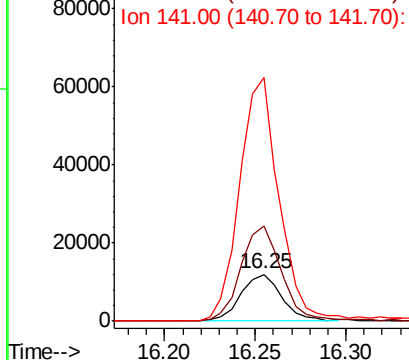


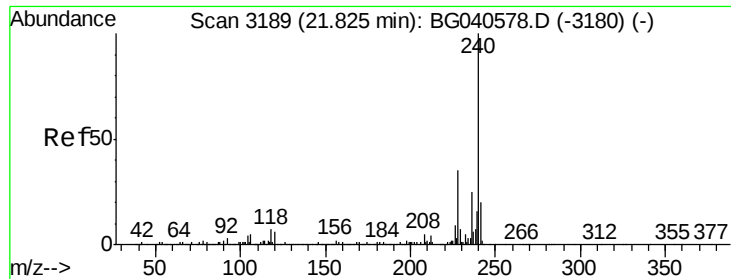
#67
 4-Bromophenyl-phenylether
 Concen: 4.596 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040812.D
 Acq: 9 May 2019 8:20

Tgt Ion:248 Resp: 18705
 Ion Ratio Lower Upper
 248 100
 250 200.6 79.8 119.6#
 141 516.9 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

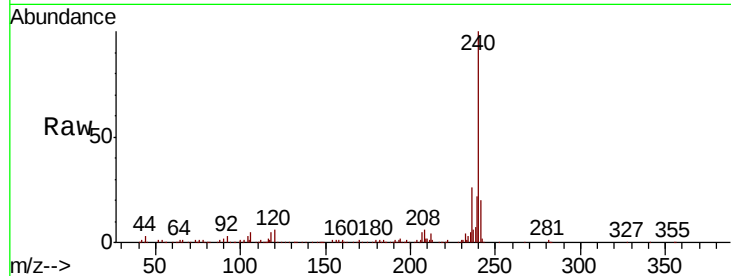




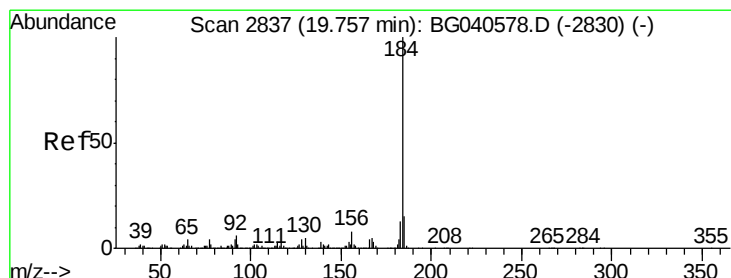
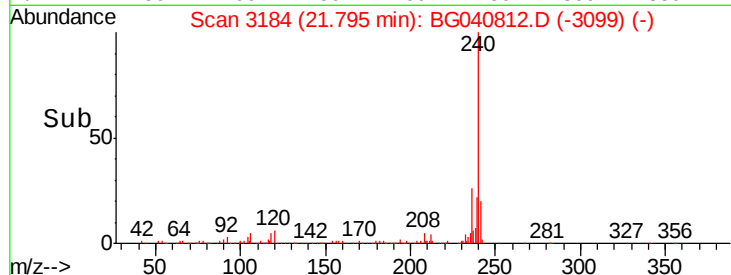
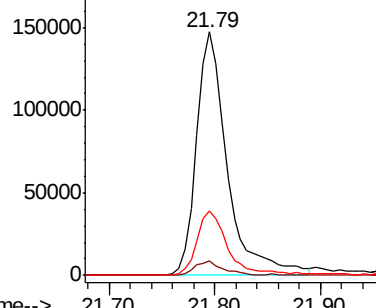
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040812.D
Acq: 9 May 2019 8:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 298284
Ion Ratio Lower Upper
240 100
120 6.2 5.0 7.6
236 26.3 20.3 30.5

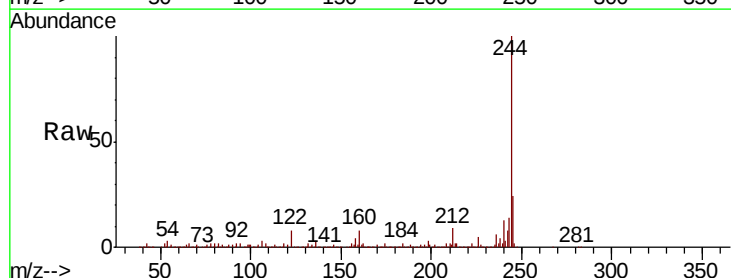


Abundance Ion 240.00 (239.70 to 240.70): E
200000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

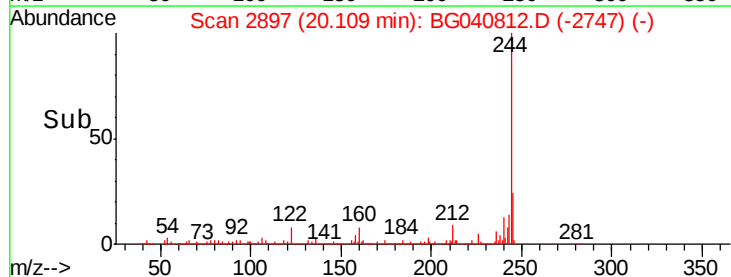
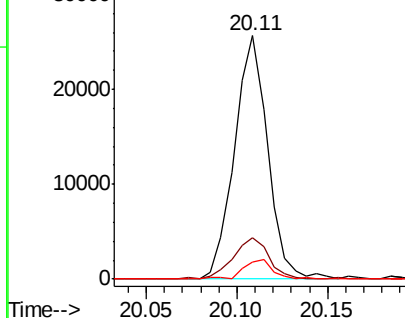


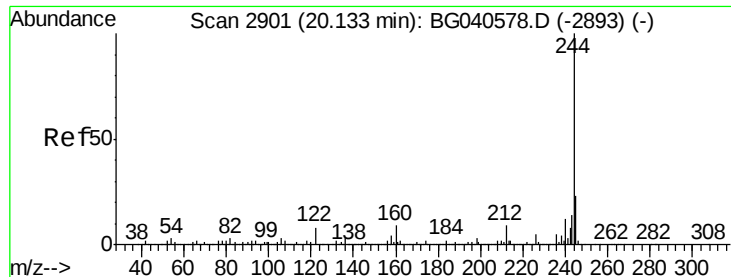
#77
Benzidine
Concen: 3.994 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040812.D
Acq: 9 May 2019 8:20

Tgt Ion:184 Resp: 32623
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.8
183 6.8 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
30000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 137.445 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

Instrument :

BNA_G

ClientSampleId :

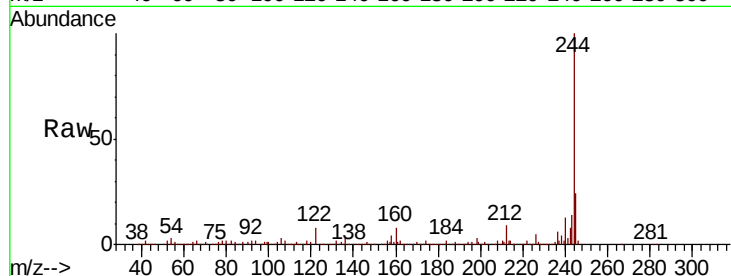
Tot Ion:244 Resp: 1850558

Ion Ratio Lower Upper

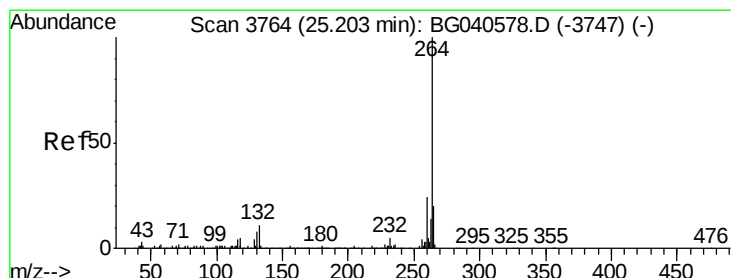
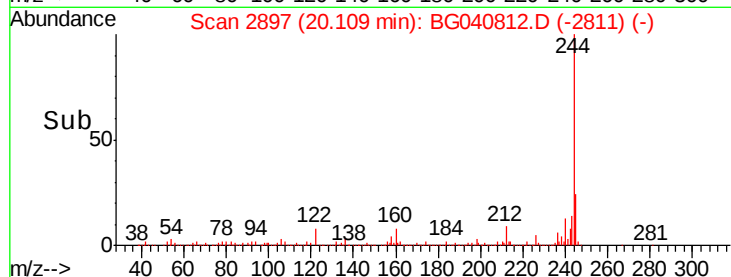
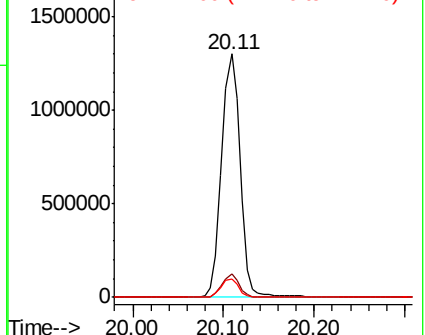
244 100

212 9.4 7.2 10.8

122 7.7 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: 25.16 min Scan# 3756

Delta R.T. -0.05 min

Lab File: BG040812.D

Acq: 9 May 2019 8:20

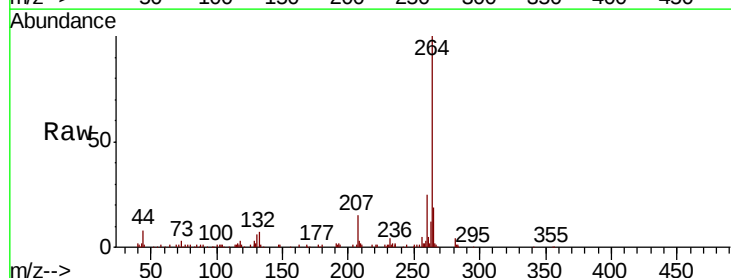
Tgt Ion:264 Resp: 204224

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 19.3 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

