

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040612.D
 Acq On : 25 Apr 2019 16:07
 Operator : JU/SJ
 Sample : K2542-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:56 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

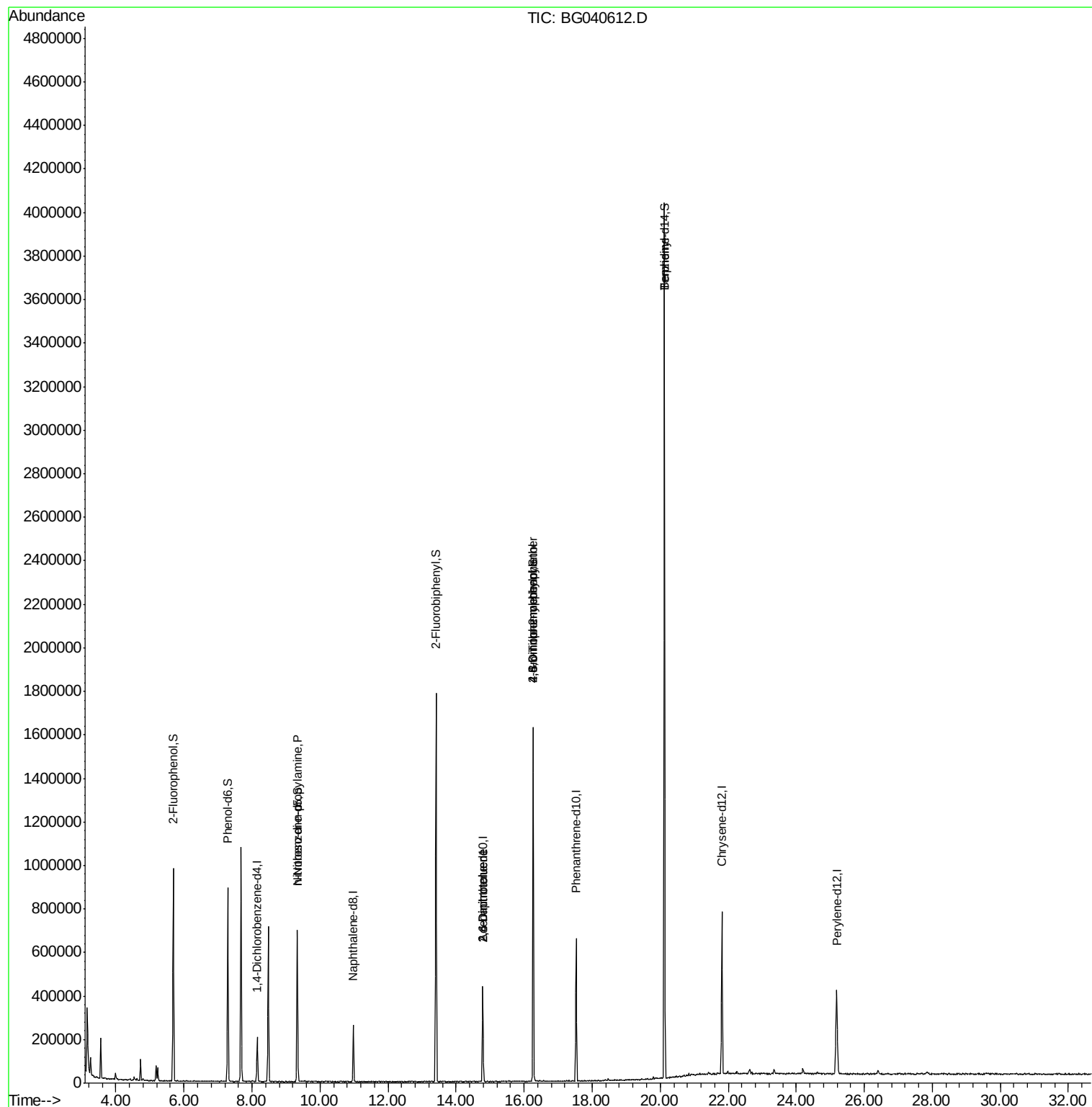
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	49063	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	191567	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	140780	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	384331	20.00	ng	0.00
76) Chrysene-d12	21.81	240	419224	20.00	ng	-0.01
87) Perylene-d12	25.19	264	426402	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	328497	118.02	ng	0.00
7) Phenol-d6	7.29	99	424156	98.97	ng	0.00
23) Nitrobenzene-d5	9.33	82	401289	96.79	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	259531	134.12	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	817108	83.82	ng	0.00
79) Terphenyl-d14	20.13	244	1772206	93.65	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	1306	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.33	70	59745	15.487 ng	# 79	
51) 2,6-Dinitrotoluene	14.79	165	18356	7.985 ng	# 16	
57) 2,4-Dinitrotoluene	14.79	165	18356	5.876 ng	# 18	
65) 4,6-Dinitro-2-methylphenol	16.27	198	1053	7.575 ng	# 1	
67) 4-Bromophenyl-phenylether	16.27	248	19061	3.981 ng	# 1	
77) Benizidine	20.13	184	36117	3.146 ng	# 92	

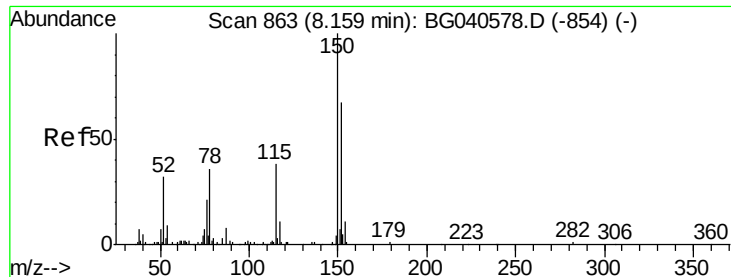
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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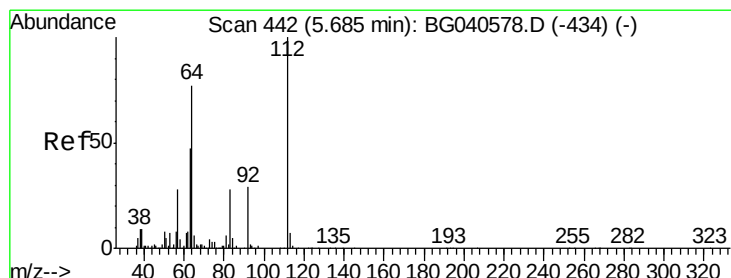
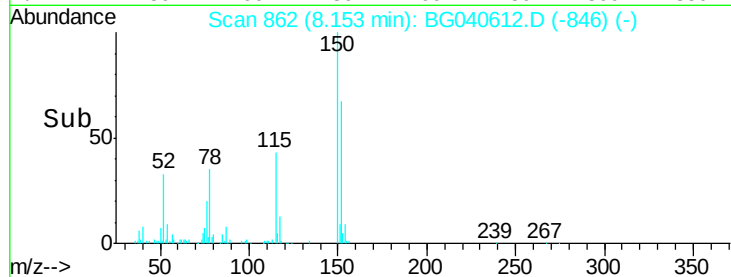
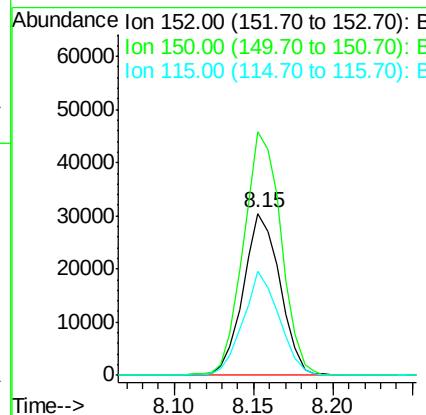
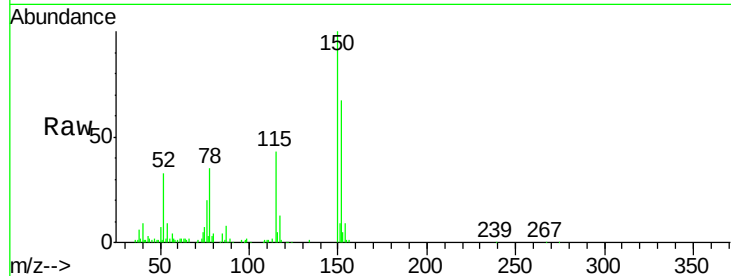


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.01 min
Lab File: BG040612.D
Acq: 25 Apr 2019 16:07

Instrument :
BNA_G
ClientSampleId :

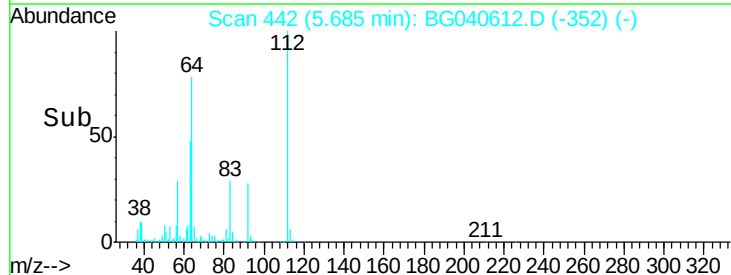
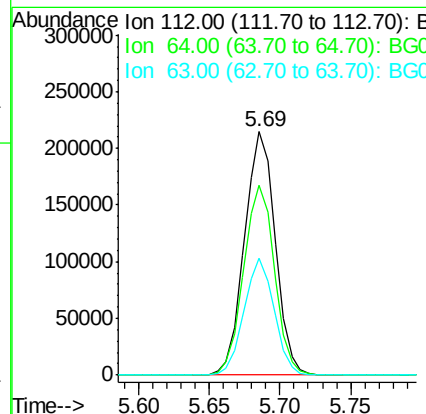
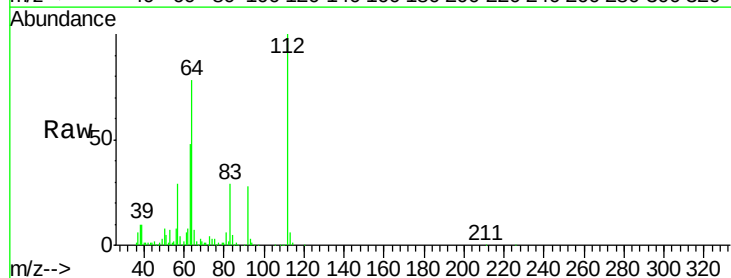
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	120.2	180.2
115	63.9	46.2	69.2

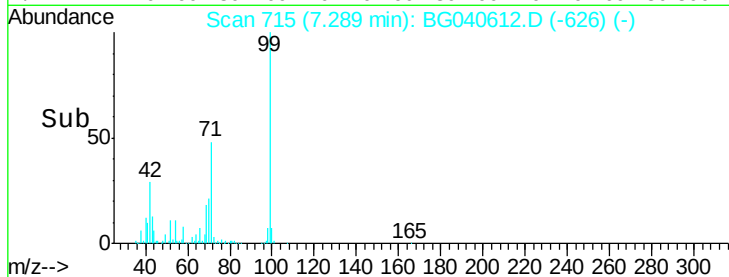
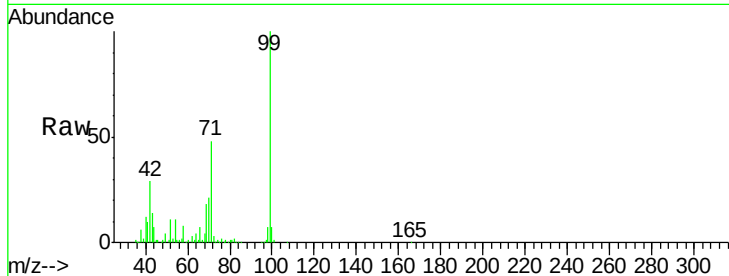
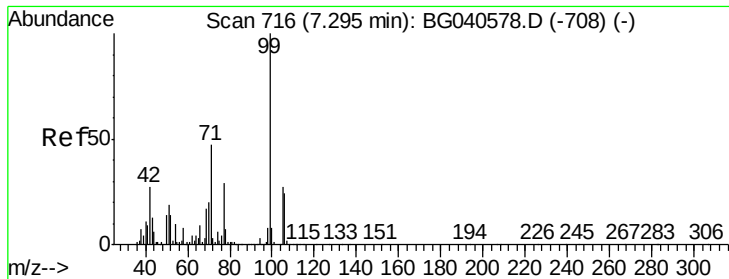


#5

2-Fluorophenol
Concen: 118.024 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040612.D
Acq: 25 Apr 2019 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.9	61.4	92.0
63	47.8	37.8	56.6





#7

Phenol-d6

Concen: 98.975 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

Instrument :

BNA_G

ClientSampleId :

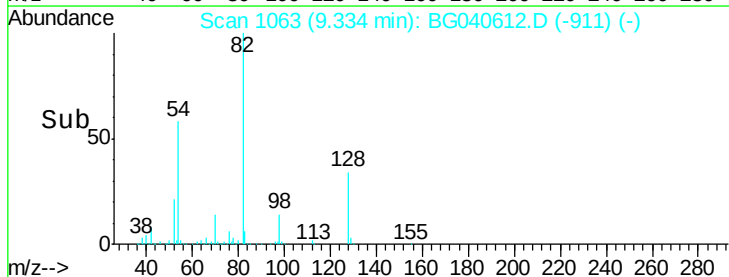
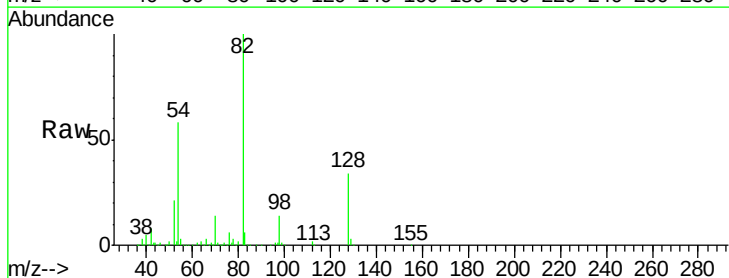
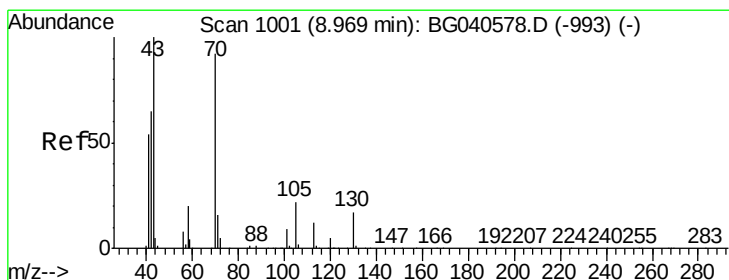
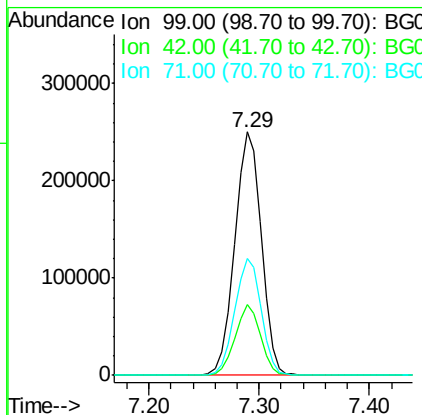
Tot Ion: 99 Resp: 424156

Ion Ratio Lower Upper

99 100

42 29.2 21.8 32.8

71 47.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.487 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

Tgt Ion: 70 Resp: 59745

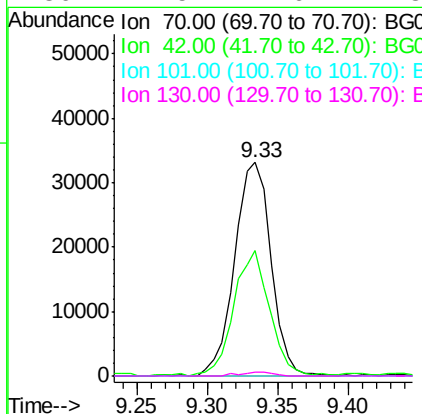
Ion Ratio Lower Upper

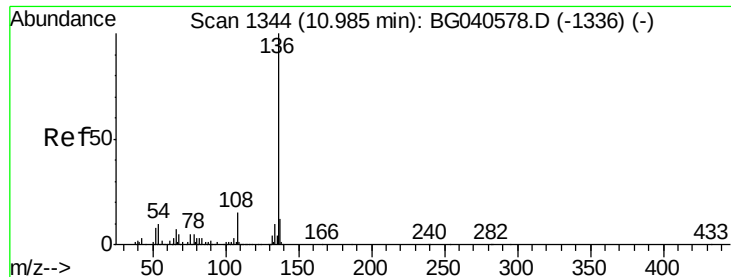
70 100

42 58.5 57.1 85.7

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#

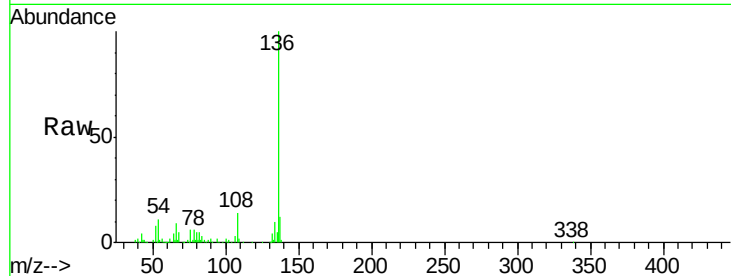




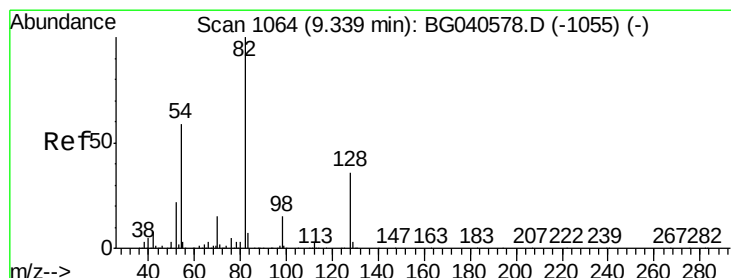
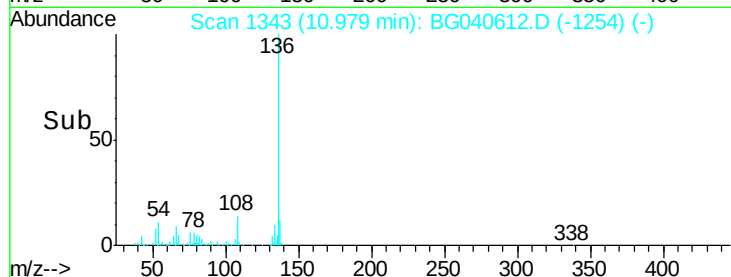
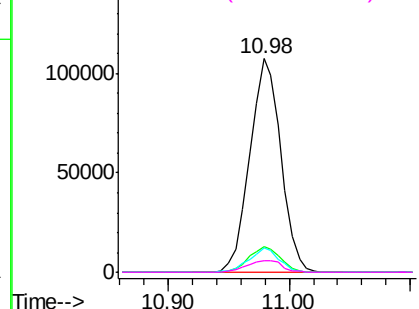
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040612.D
Acq: 25 Apr 2019 16:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	191567
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.7 14.5
54	11.3	8.6 12.8
68	5.5	4.8 7.2

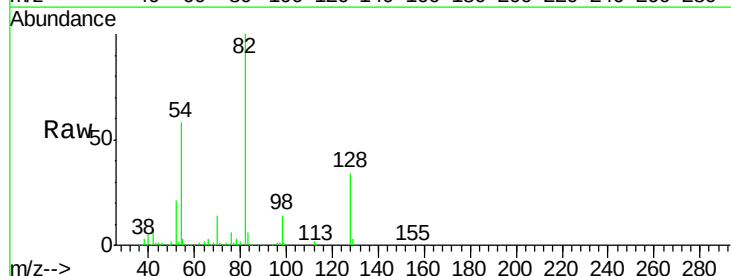


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

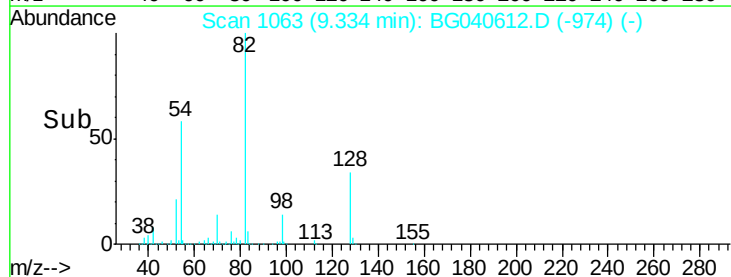
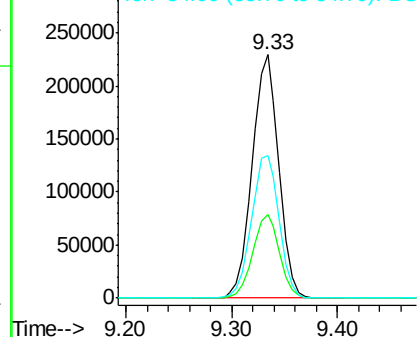


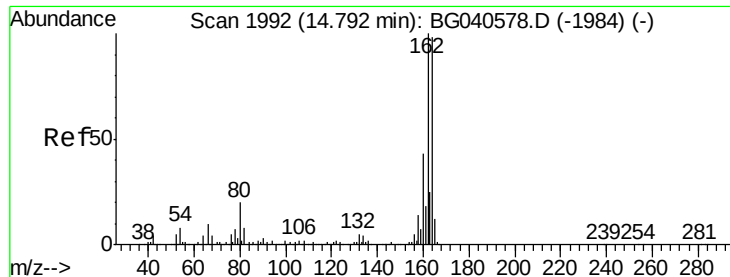
#23
Nitrobenzene-d5
Concen: 96.792 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040612.D
Acq: 25 Apr 2019 16:07

Tgt Ion: 82	Resp:	401289
Ion Ratio	Lower	Upper
82	100	
128	34.3	28.9 43.3
54	58.3	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: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

Instrument :

BNA_G

ClientSampleId :

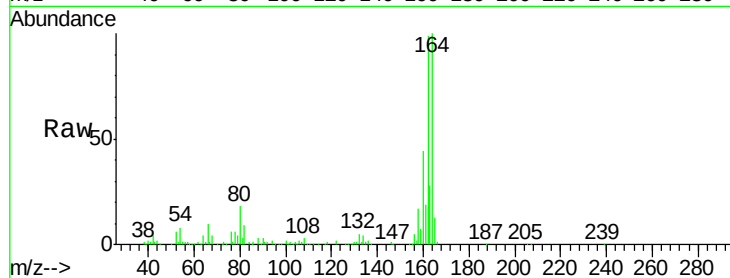
Tot Ion:164 Resp: 140780

Ion Ratio Lower Upper

164 100

162 98.7 81.9 122.9

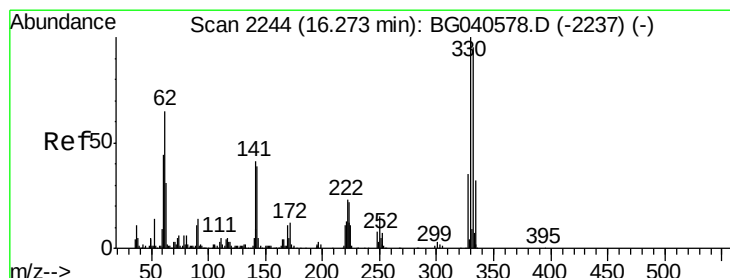
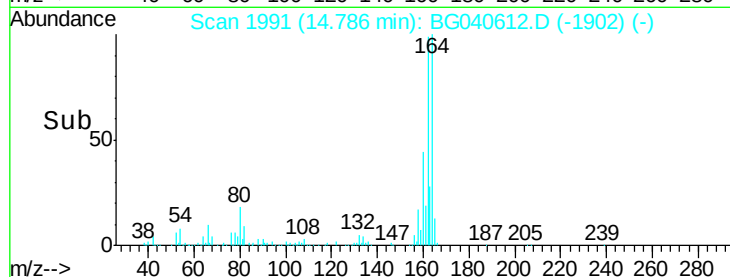
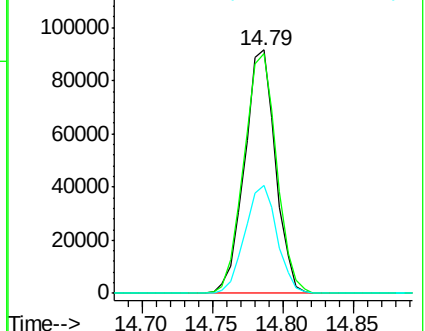
160 44.4 35.4 53.2



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: 134.121 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

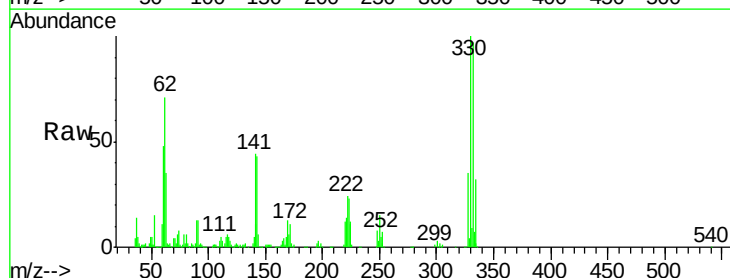
Tgt Ion:330 Resp: 259531

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

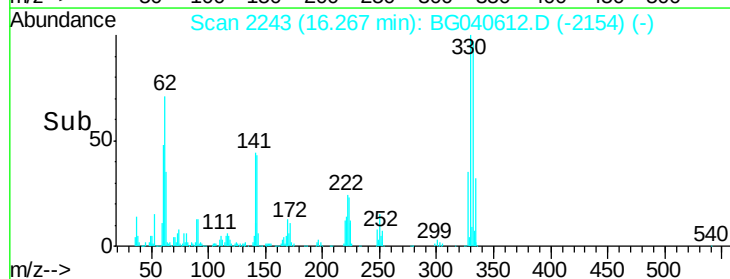
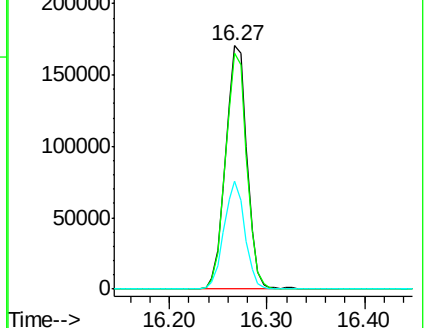
141 43.2 32.4 48.6

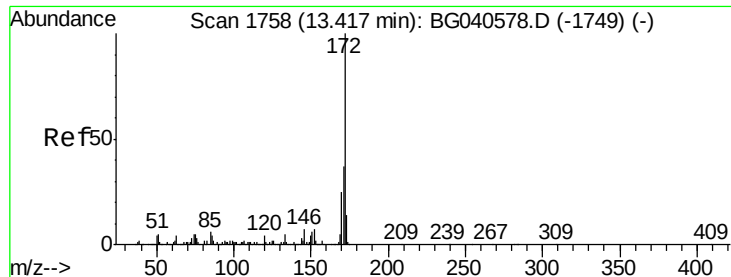


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

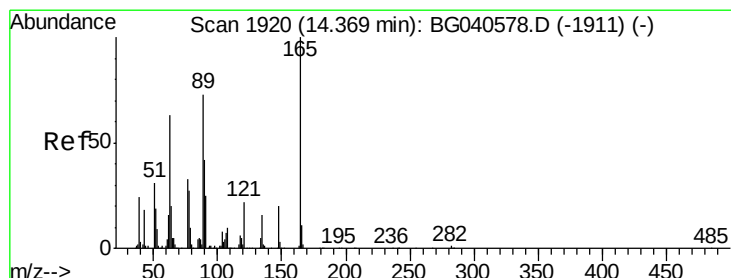
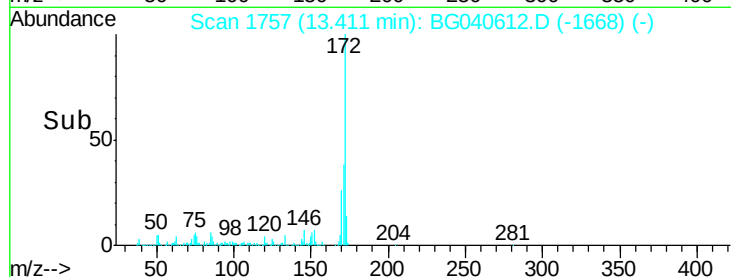
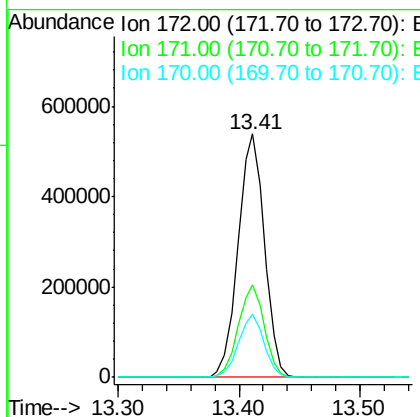
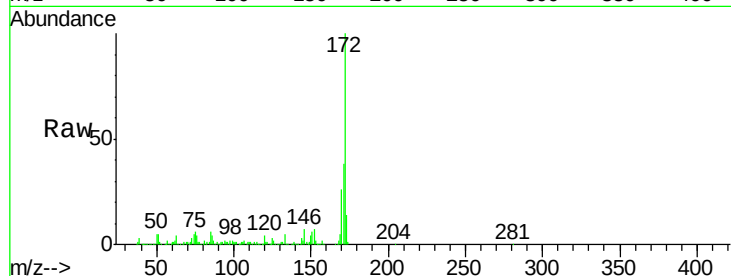




#45
 2-Fluorobiphenyl
 Concen: 83.823 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040612.D
 Acq: 25 Apr 2019 16:07

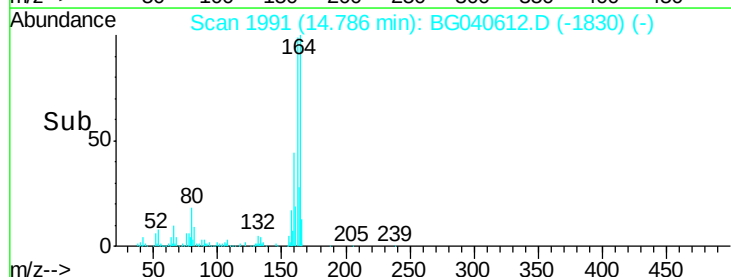
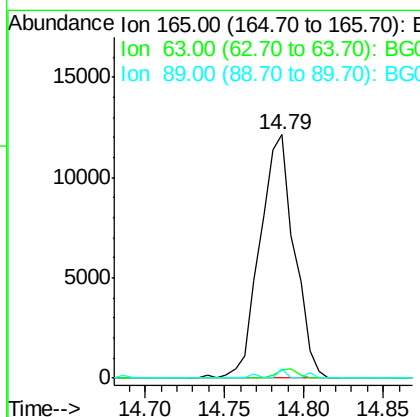
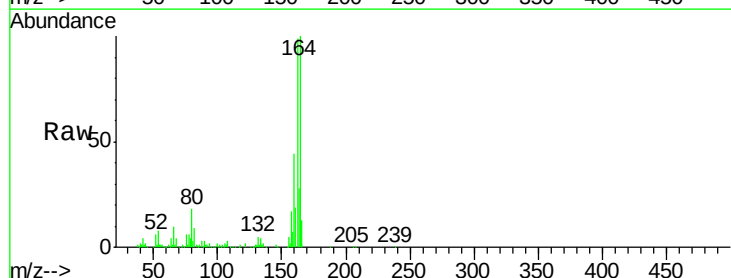
Instrument :
 BNA_G
 ClientSampleId :

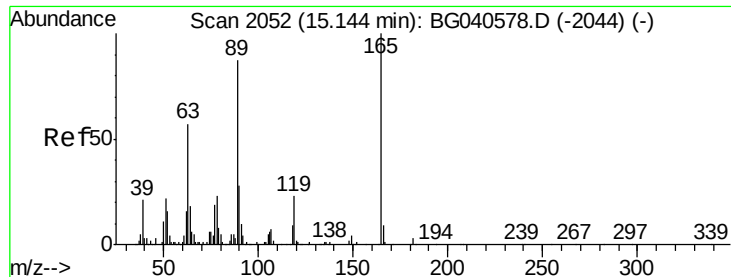
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	25.7	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.985 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG040612.D
 Acq: 25 Apr 2019 16:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	61.0	91.4#
89	3.8	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.876 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040612.D

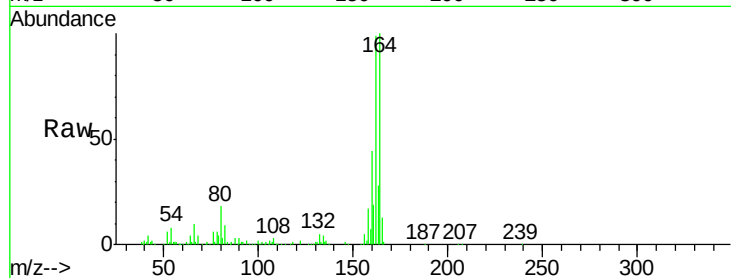
Acq: 25 Apr 2019 16:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	18356
Ion Ratio	Lower	Upper
165	100	
63	3.6	45.8 68.8#
89	3.8	69.4 104.2#
182	0.0	2.2 3.4#

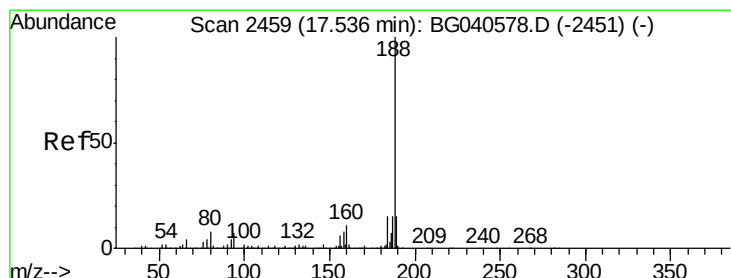
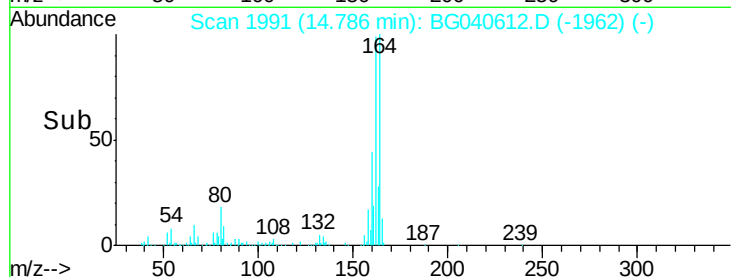
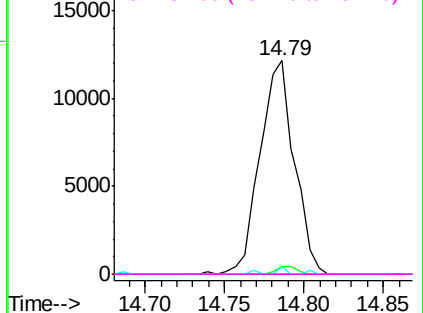


Abundance Ion 165.00 (164.70 to 165.70): E

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

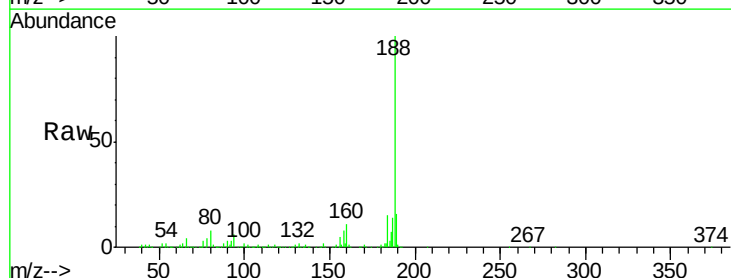
RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

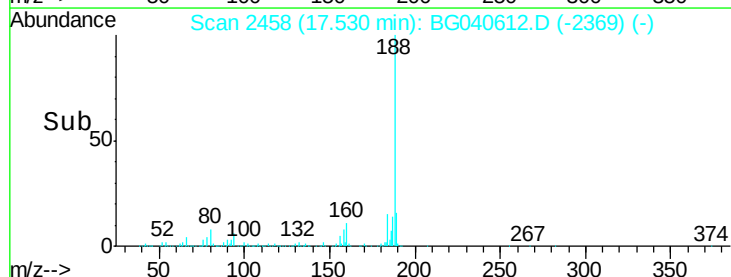
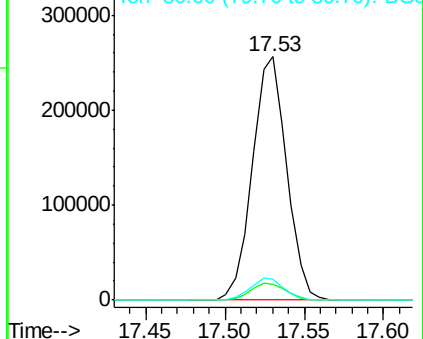
Tgt Ion:188	Resp:	384331
Ion Ratio	Lower	Upper
188	100	
94	6.5	5.6 8.4
80	8.4	6.4 9.6

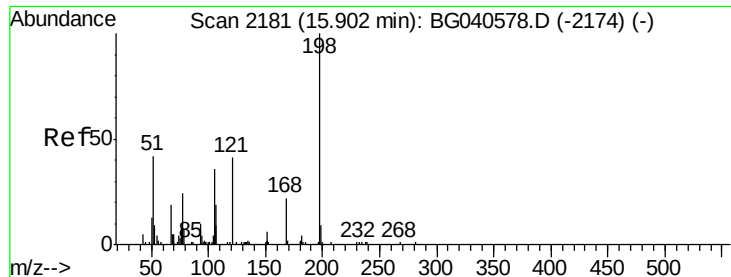


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.575 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

Instrument :

BNA_G

ClientSampleId :

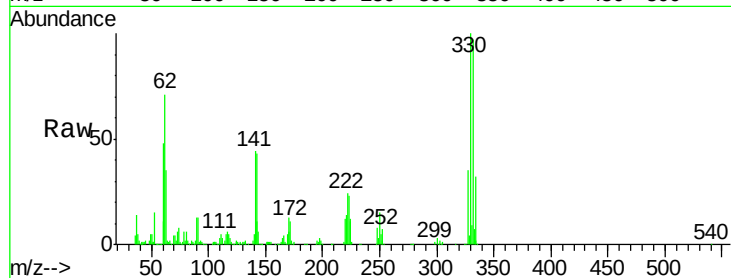
Tot Ion:198 Resp: 1053

Ion Ratio Lower Upper

198 100

51 163.1 35.9 75.9#

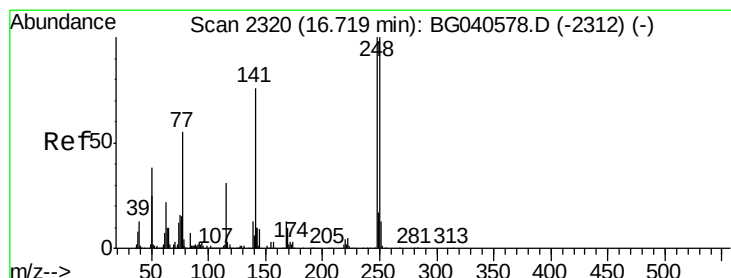
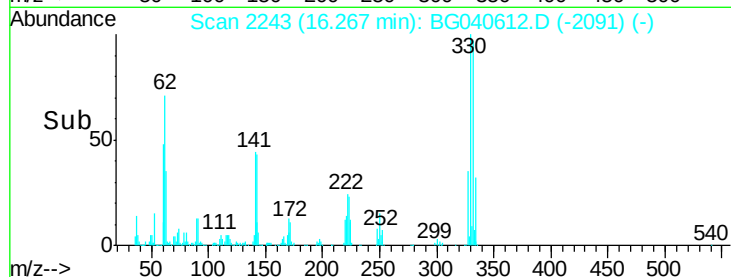
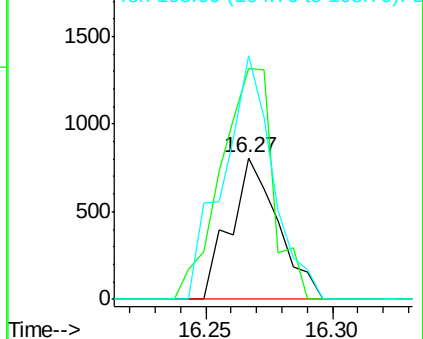
105 171.9 21.2 61.2#



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: 3.981 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

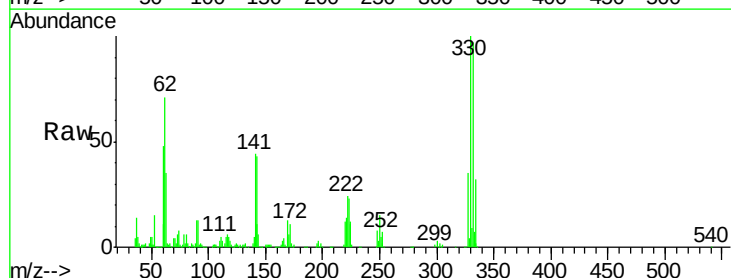
Tgt Ion:248 Resp: 19061

Ion Ratio Lower Upper

248 100

250 183.5 79.8 119.6#

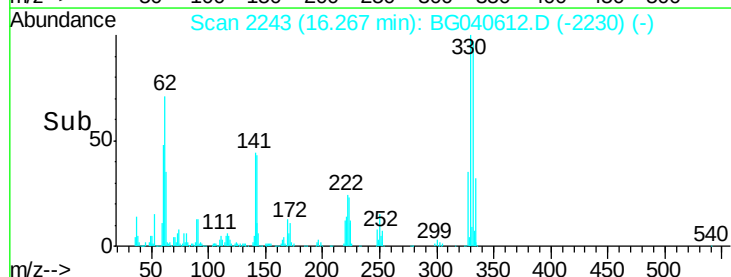
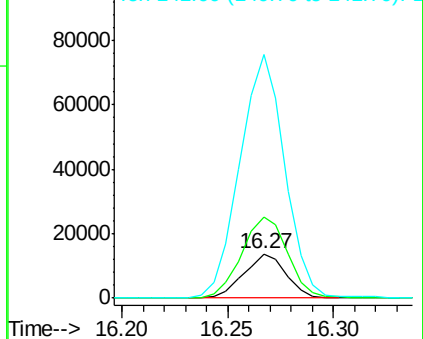
141 548.1 60.8 91.2#

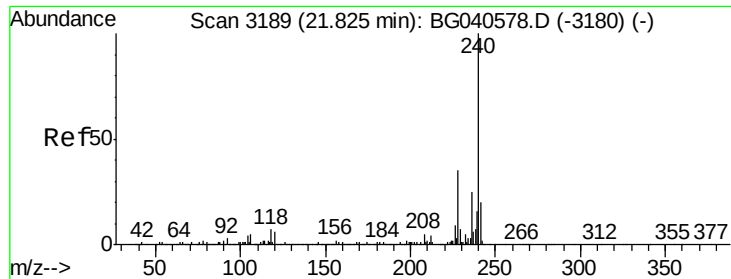


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

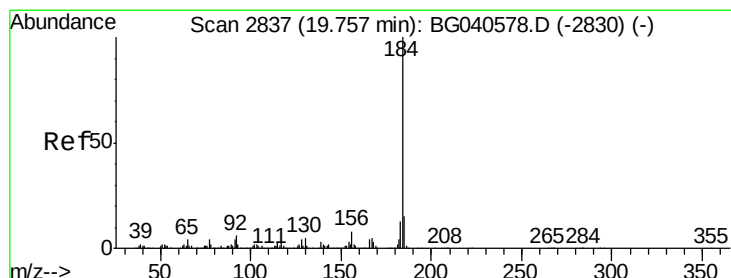
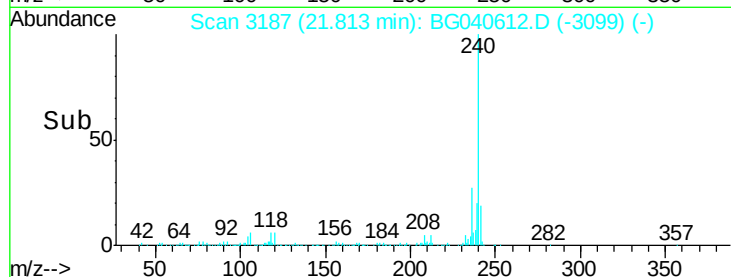
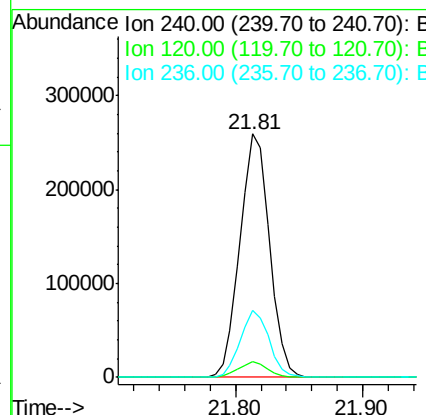
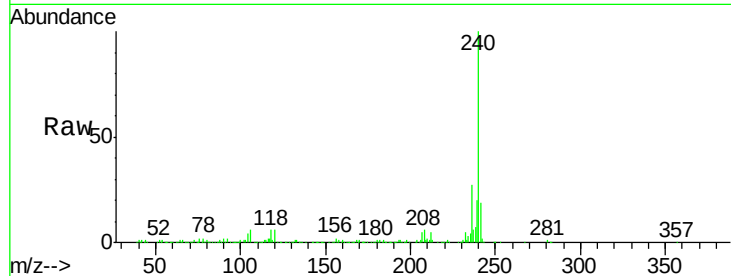




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.01 min
 Lab File: BG040612.D
 Acq: 25 Apr 2019 16:07

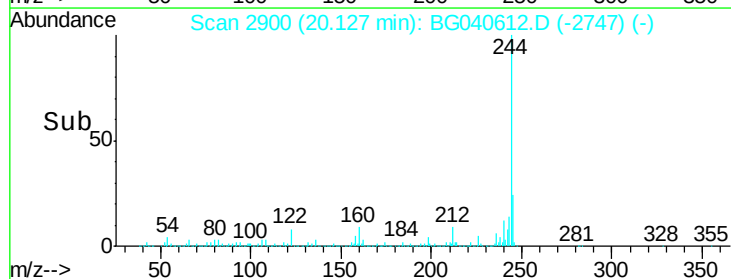
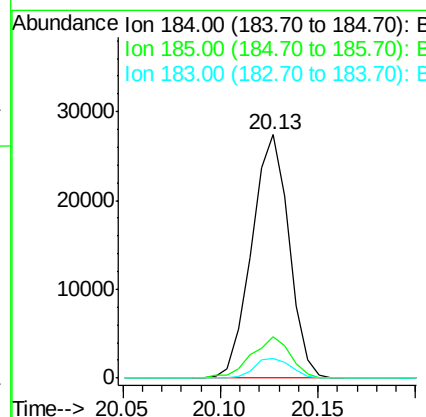
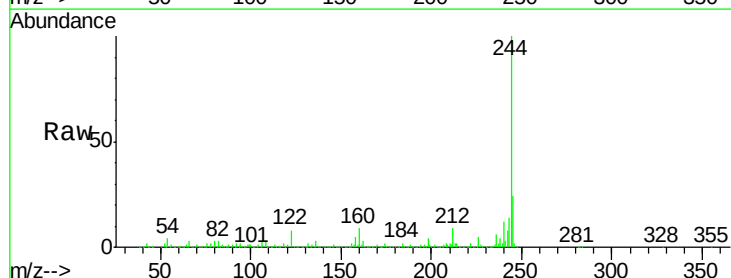
Instrument :
 BNA_G
 ClientSampleId :

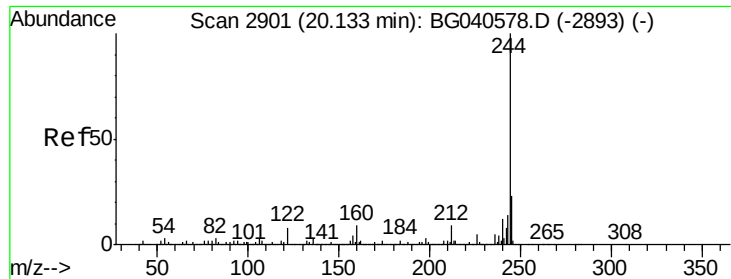
Tot Ion:240 Resp: 419224
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.0 7.6
 236 27.3 20.3 30.5



#77
 Benzidine
 Concen: 3.146 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. 0.37 min
 Lab File: BG040612.D
 Acq: 25 Apr 2019 16:07

Tgt Ion:184 Resp: 36117
 Ion Ratio Lower Upper
 184 100
 185 16.8 11.8 17.8
 183 8.2 10.2 15.2#





#79

Terphenyl-d14

Concen: 93.654 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

Instrument :

BNA_G

ClientSampleId :

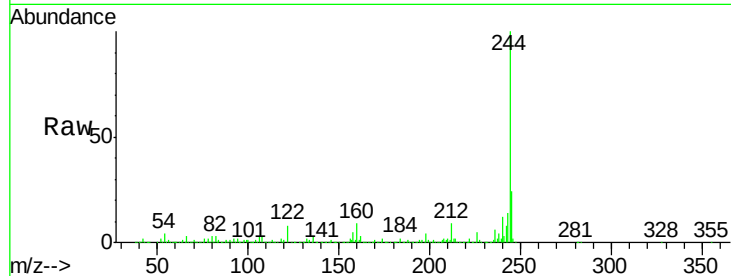
Tot Ion:244 Resp: 1772206

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.2	10.8
122	8.4	6.6	10.0

244 100

212 9.5 7.2 10.8

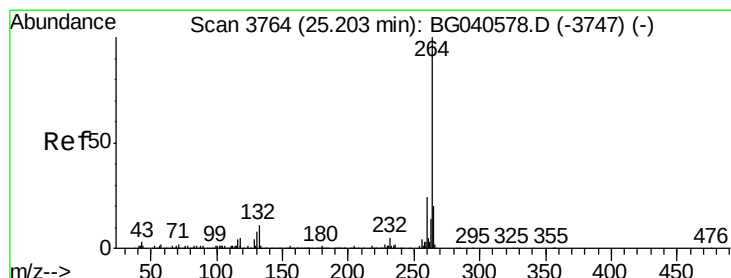
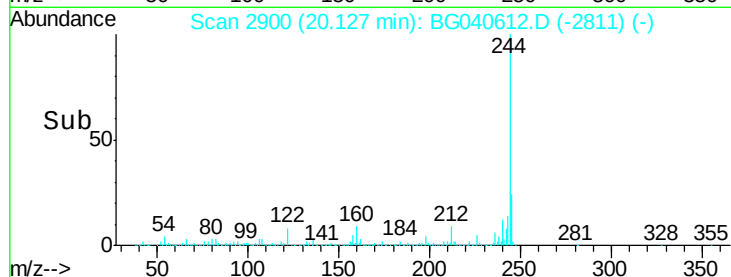
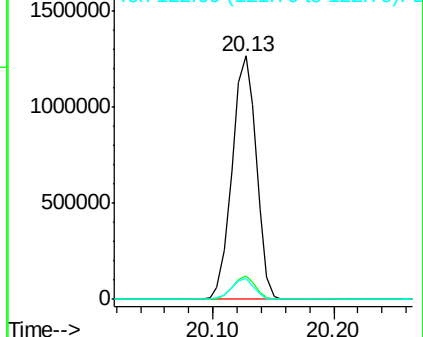
122 8.4 6.6 10.0



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. -0.02 min

Lab File: BG040612.D

Acq: 25 Apr 2019 16:07

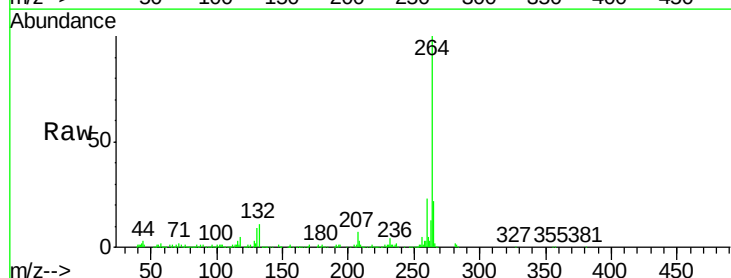
Tgt Ion:264 Resp: 426402

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	16.6	25.0

264 100

260 23.3 19.2 28.8

265 21.8 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

