

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040625.D
 Acq On : 26 Apr 2019 12:26
 Operator : JU/SJ
 Sample : K2535-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:01:50 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

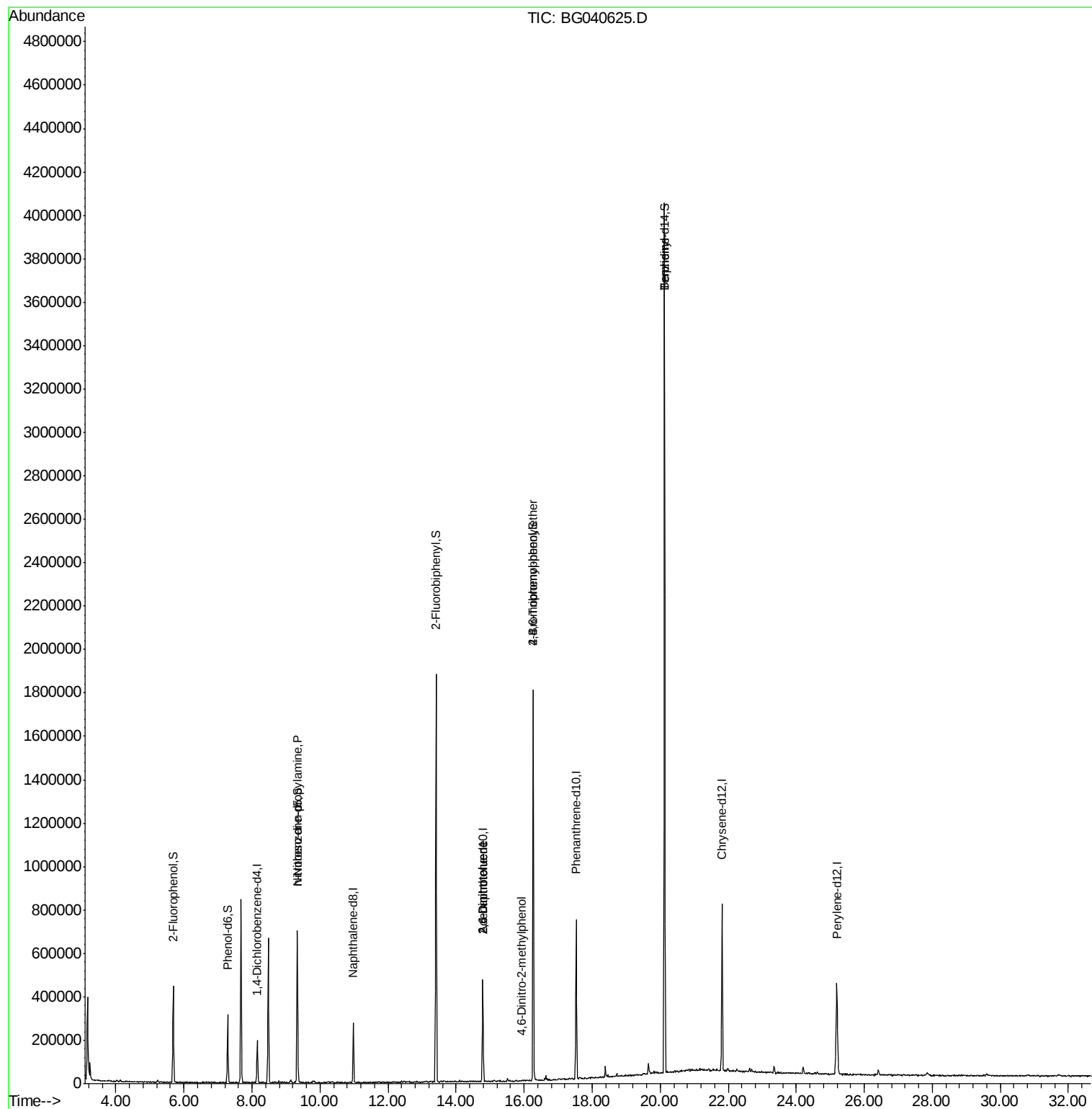
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	46995	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	205038	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	153886	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	414896	20.00	ng	0.00
76) Chrysene-d12	21.82	240	426123	20.00	ng	0.00
87) Perylene-d12	25.19	264	444022	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	155837	58.45	ng	0.00
7) Phenol-d6	7.29	99	148546	36.19	ng	0.00
23) Nitrobenzene-d5	9.33	82	409344	92.25	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	298963	141.34	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	856679	80.40	ng	0.00
79) Terphenyl-d14	20.13	244	1764181	91.72	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	416	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	61546	16.656 ng	#	33
51) 2,6-Dinitrotoluene	14.79	165	20888	8.312 ng	#	76
57) 2,4-Dinitrotoluene	14.79	165	20888	6.117 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.92	198	61	7.127 ng	#	18
67) 4-Bromophenyl-phenylether	16.27	248	22884	4.427 ng	#	37
77) Benizidine	20.13	184	37552	3.219 ng	#	1
					#	92

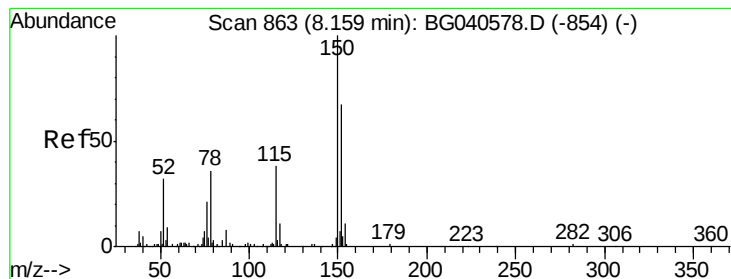
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
Data File : BG040625.D
Acq On : 26 Apr 2019 12:26
Operator : JU/SJ
Sample : K2535-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 27 02:01:50 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampled :

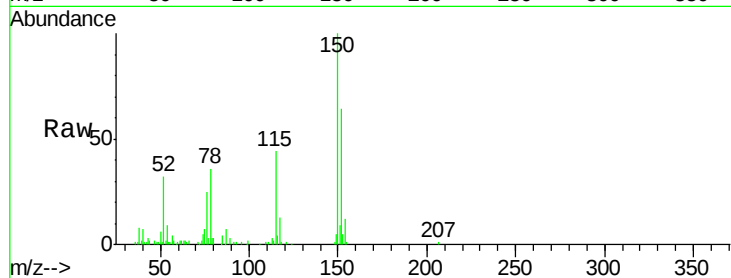
Tot Ion:152 Resp: 46995

Ion Ratio Lower Upper

152 100

150 156.0 120.2 180.2

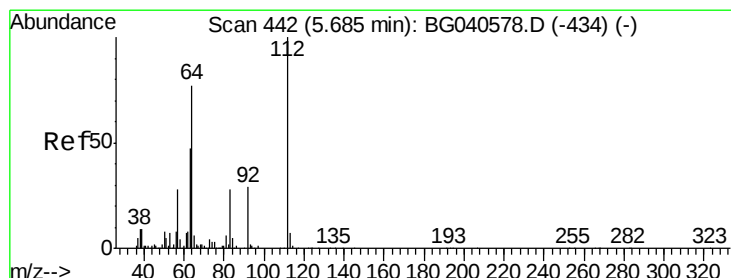
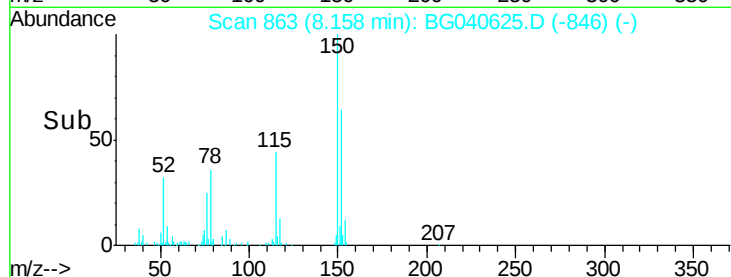
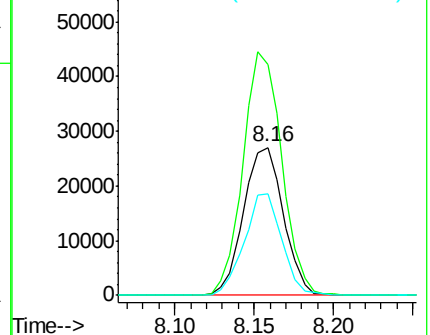
115 68.8 46.2 69.2



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: 58.454 ng

RT: 5.68 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

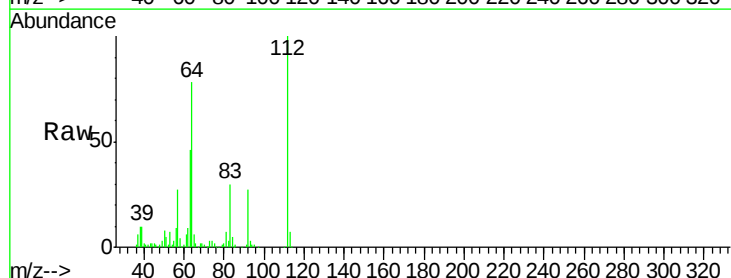
Tgt Ion:112 Resp: 155837

Ion Ratio Lower Upper

112 100

64 78.1 61.4 92.0

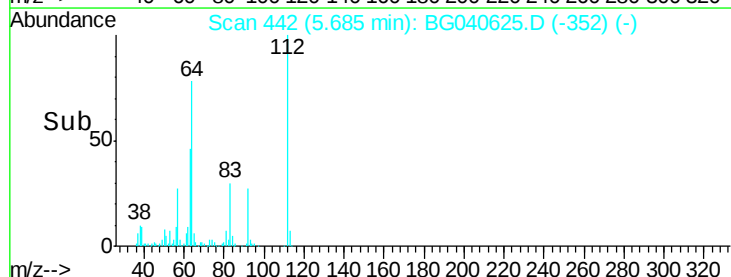
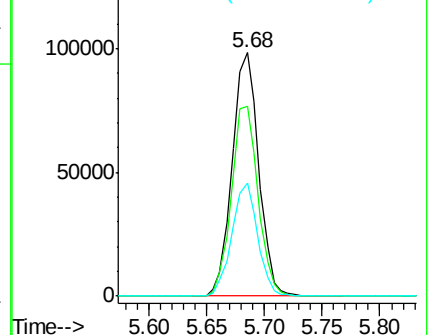
63 46.3 37.8 56.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 36.188 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

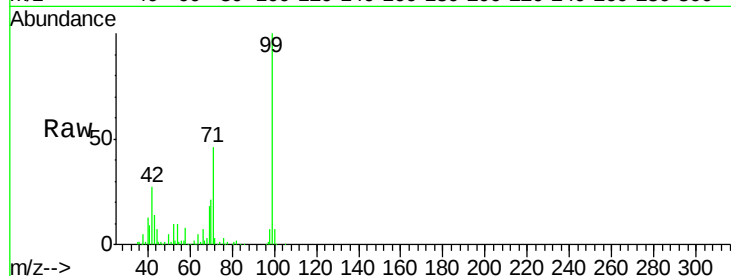
Tot Ion: 99 Resp: 148546

Ion Ratio Lower Upper

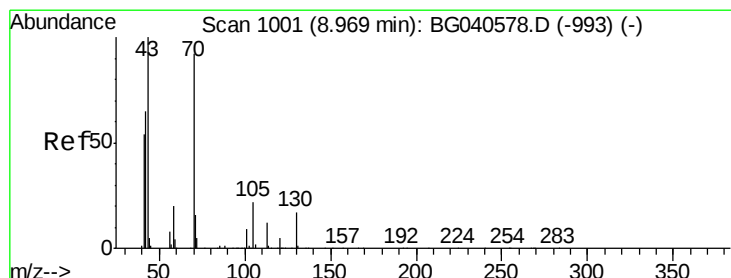
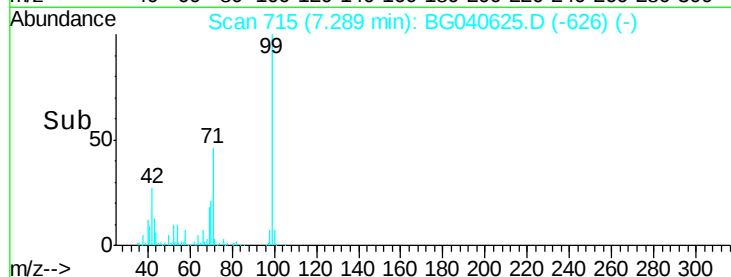
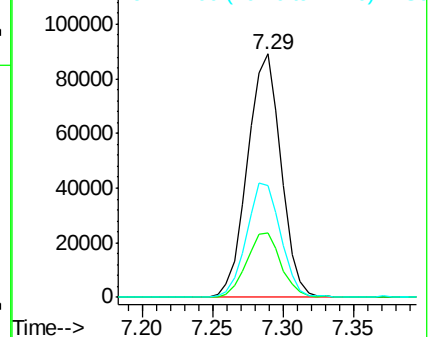
99 100

42 26.6 21.8 32.8

71 46.2 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: 16.656 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Tgt Ion: 70 Resp: 61546

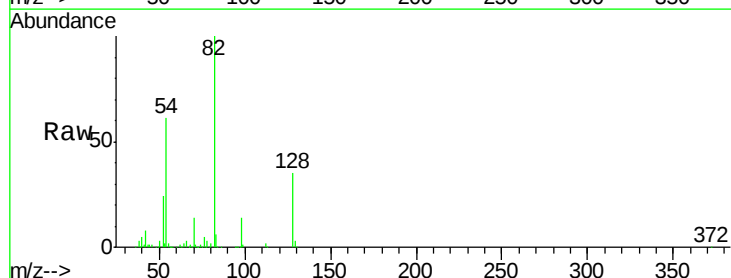
Ion Ratio Lower Upper

70 100

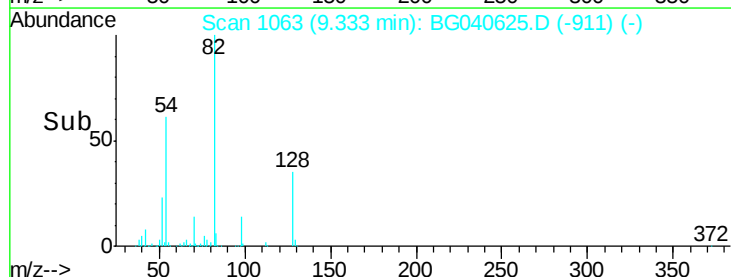
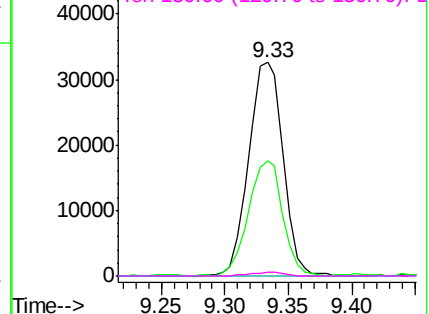
42 54.2 57.1 85.7#

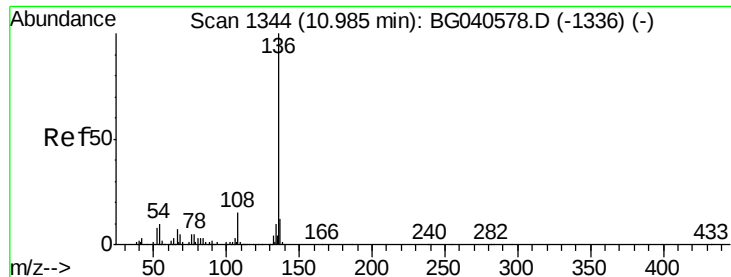
101 0.0 7.8 11.8#

130 1.9 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

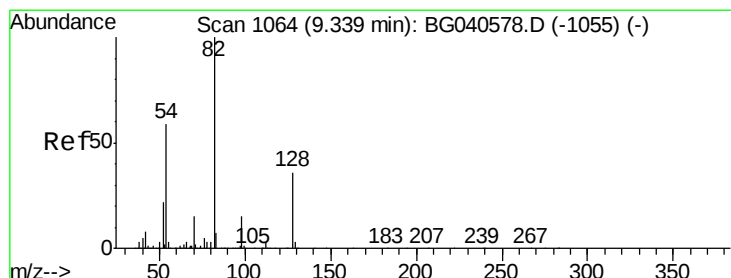
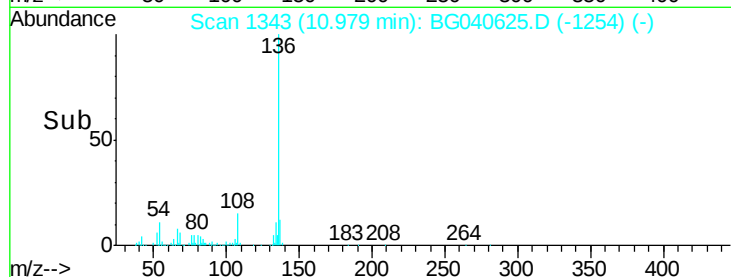
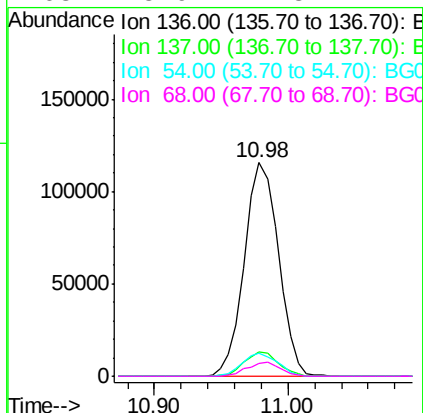
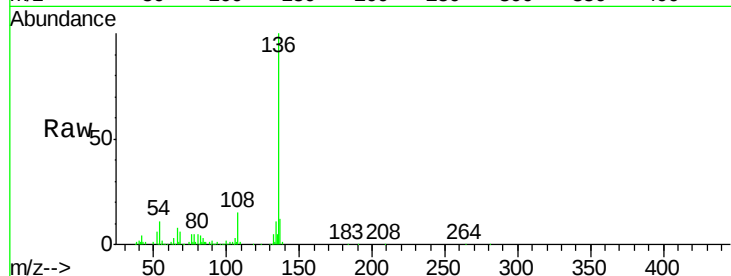




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

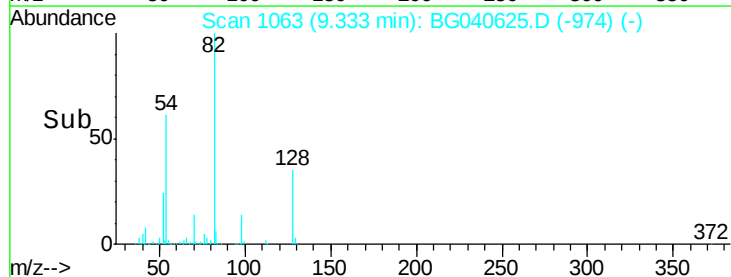
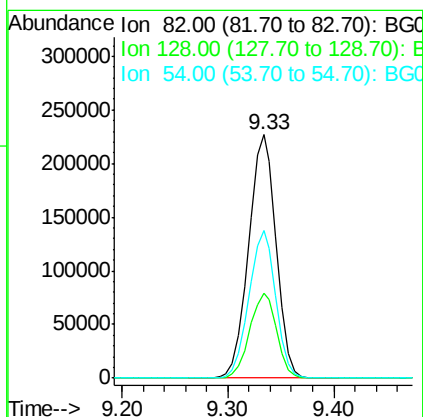
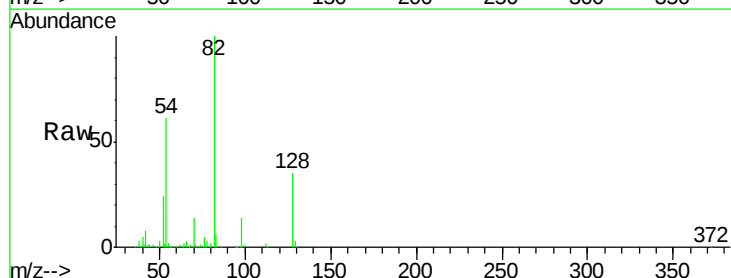
Instrument :
BNA_G
ClientSampleId :

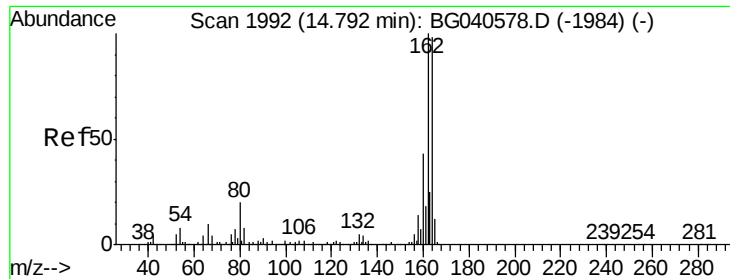
Tot Ion:136	Resp:	205038	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.7	14.5	
54 10.9	8.6	12.8	
68 5.9	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 92.248 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion: 82	Resp: 409344
Ion Ratio	Lower Upper
82 100	
128 34.9	28.9 43.3
54 60.7	47.2 70.8

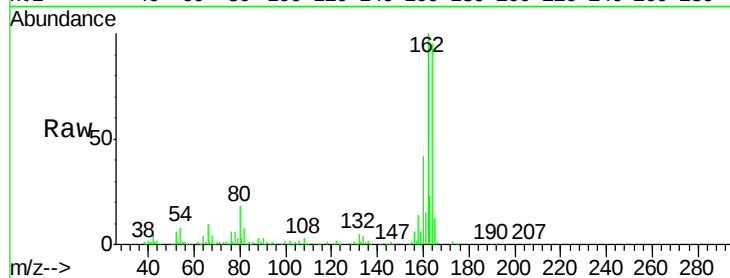




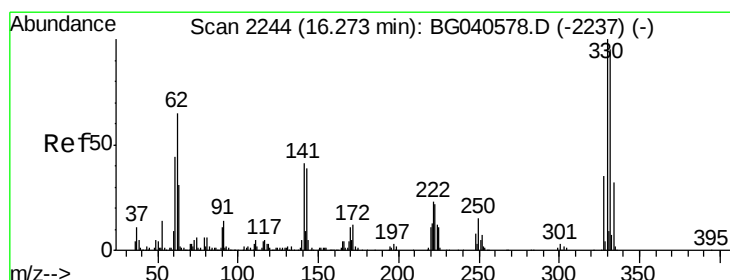
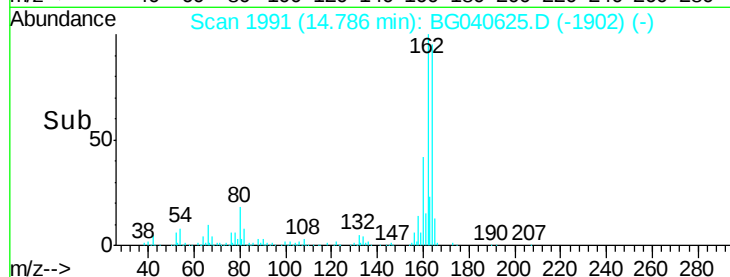
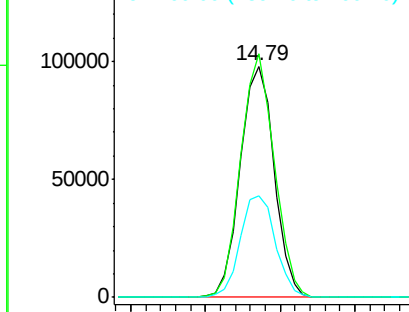
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.9	122.9
160	43.8	35.4	53.2

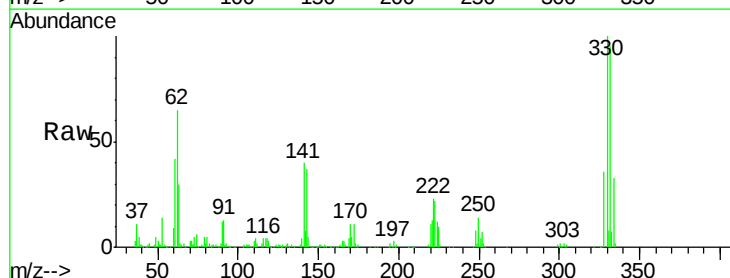


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

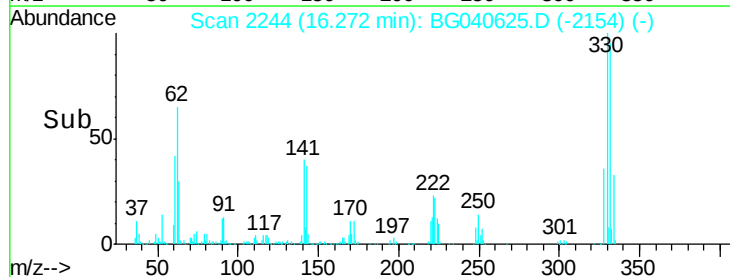
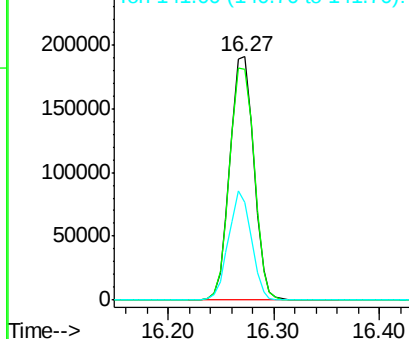


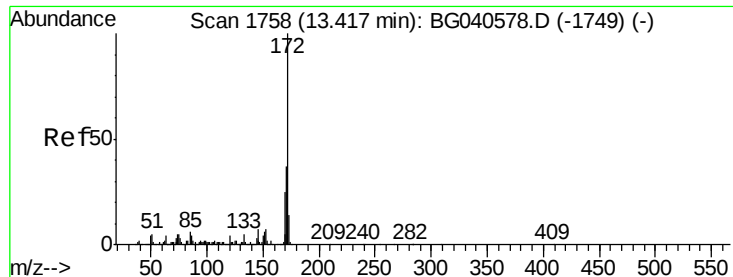
#42
2,4,6-Tribromophenol
Concen: 141.340 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.9	113.9
141	42.6	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

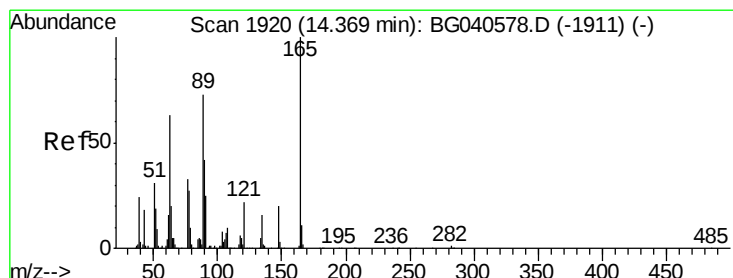
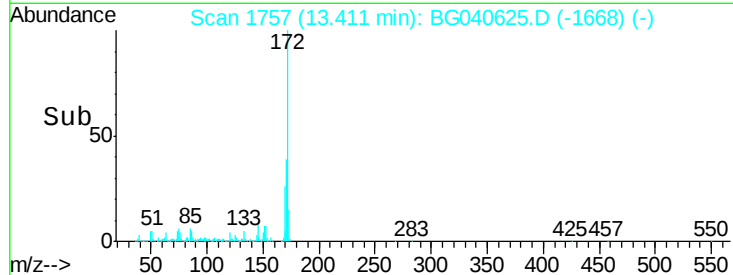
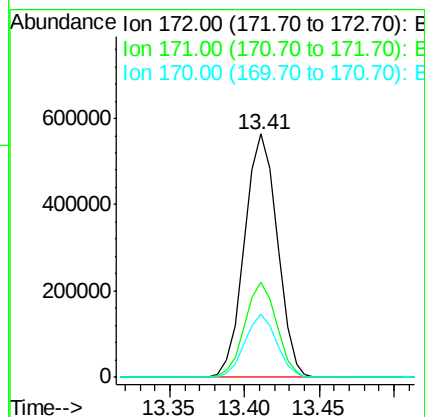
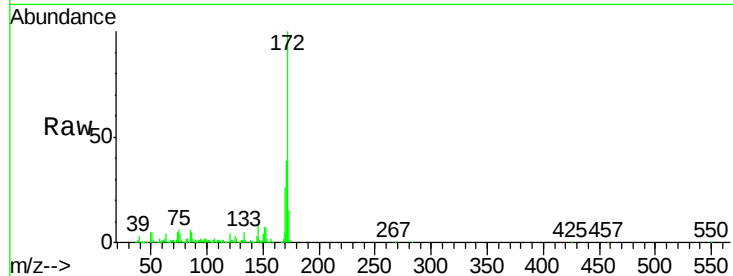




#45
 2-Fluorobiphenyl
 Concen: 80.398 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040625.D
 Acq: 26 Apr 2019 12:26

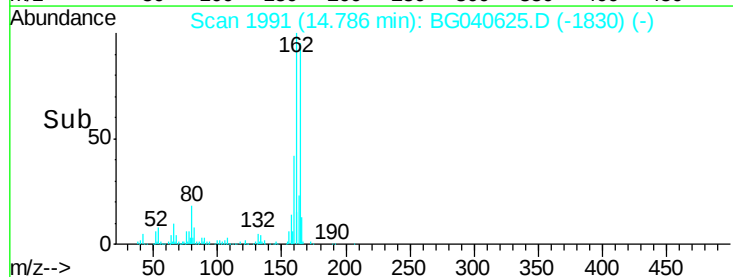
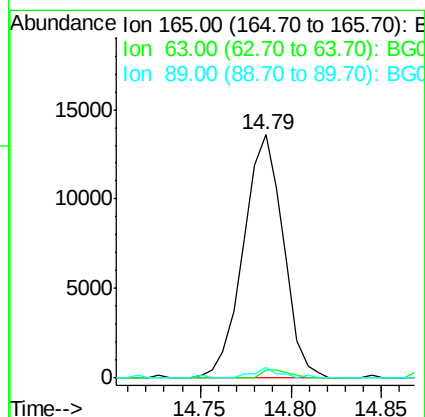
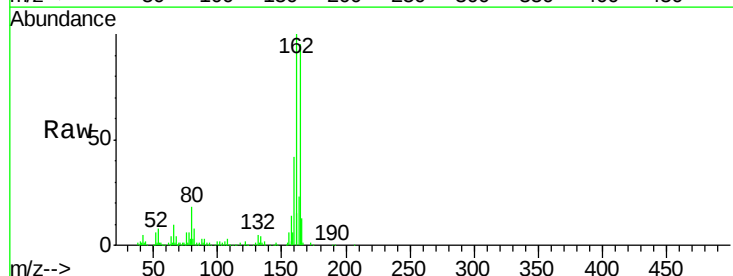
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 856679
 Ion Ratio Lower Upper
 172 100
 171 38.8 29.4 44.2
 170 25.9 19.9 29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.312 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG040625.D
 Acq: 26 Apr 2019 12:26

Tgt Ion:165 Resp: 20888
 Ion Ratio Lower Upper
 165 100
 63 3.1 61.0 91.4#
 89 4.3 58.6 87.8#





#57

2,4-Dinitrotoluene

Concen: 6.117 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040625.D

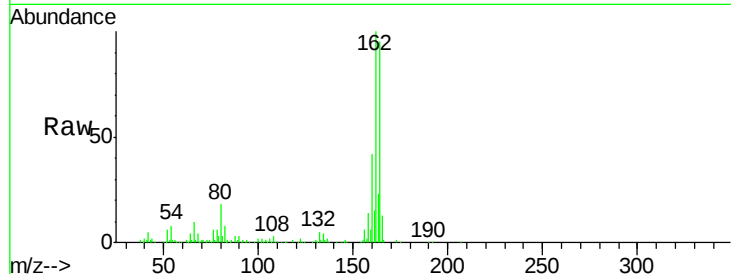
Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	20888
Ion Ratio	Lower	Upper
165	100	
63	3.1	45.8 68.8#
89	4.3	69.4 104.2#
182	0.0	2.2 3.4#

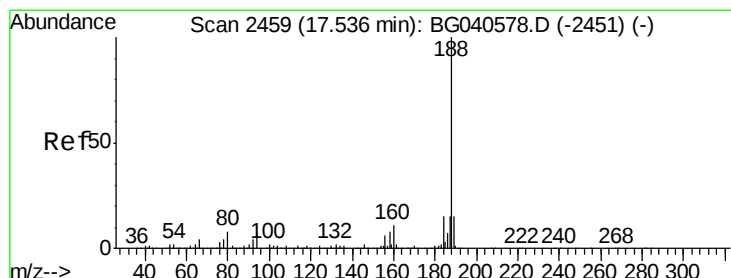
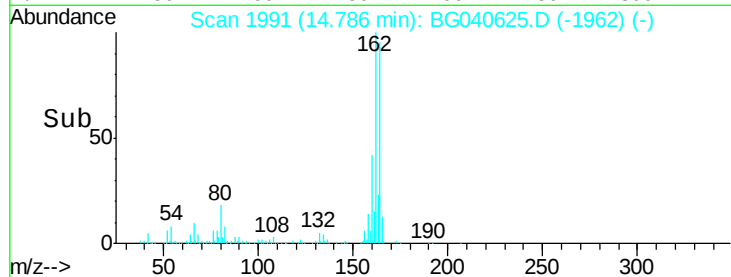
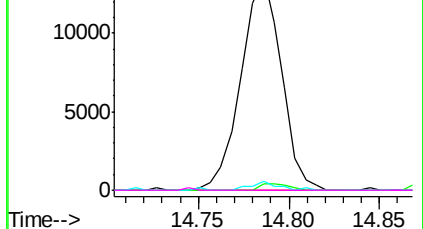


Abundance Ion 165.00 (164.70 to 165.70): E

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

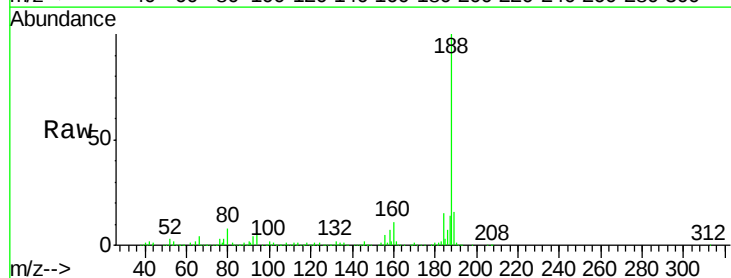
RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

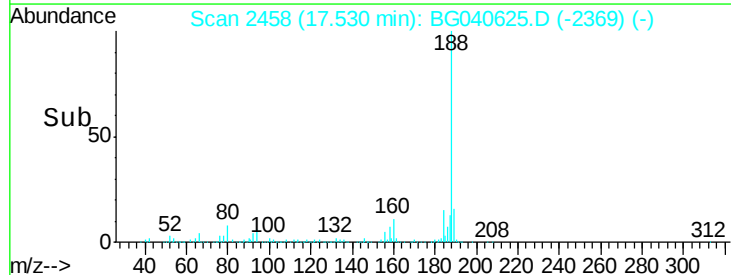
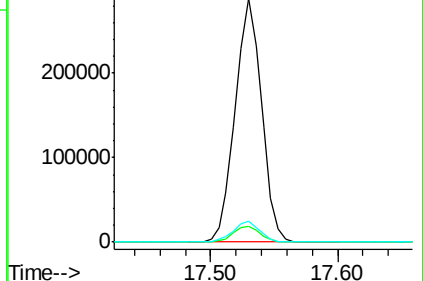
Tgt Ion:188	Resp:	414896
Ion Ratio	Lower	Upper
188	100	
94	6.4	5.6 8.4
80	8.3	6.4 9.6

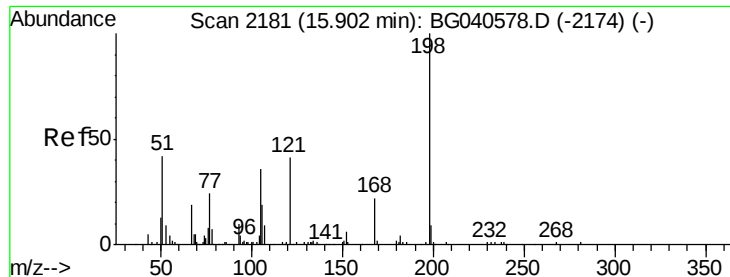


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.127 ng

RT: 15.92 min Scan# 2184

Delta R.T. 0.02 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Instrument :

BNA_G

ClientSampleId :

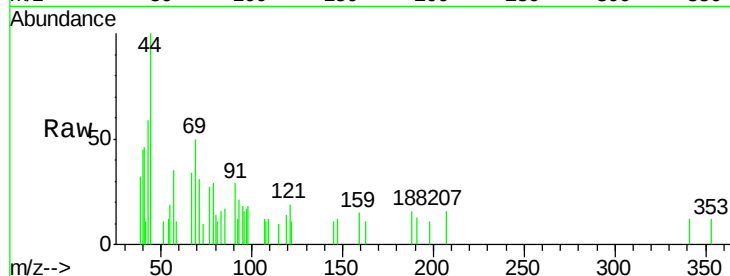
Tot Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 100.0 35.9 75.9#

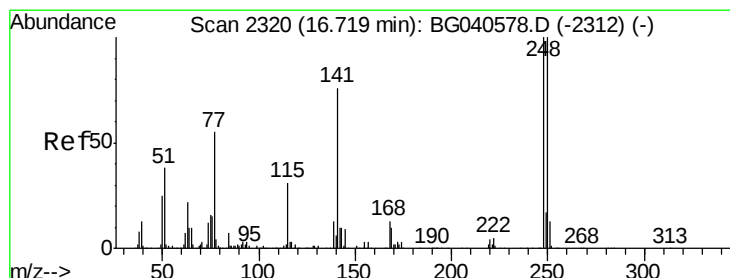
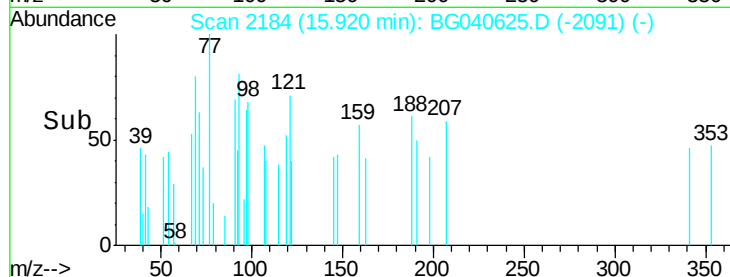
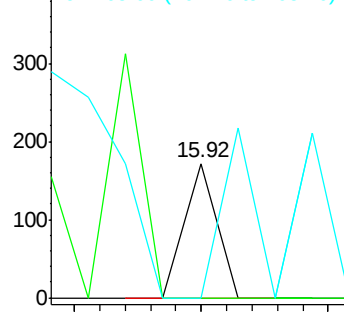
105 0.0 21.2 61.2#



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: 4.427 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.45 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

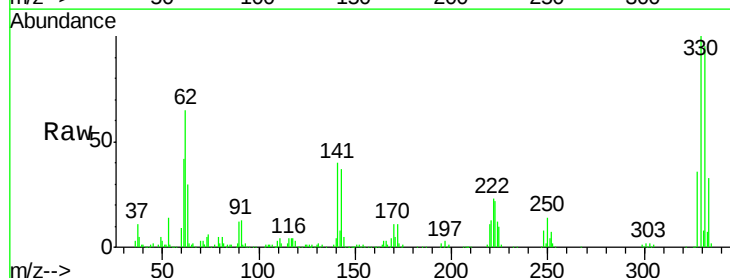
Tgt Ion:248 Resp: 22884

Ion Ratio Lower Upper

248 100

250 185.1 79.8 119.6#

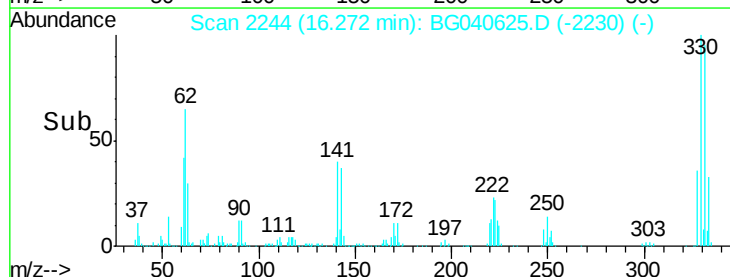
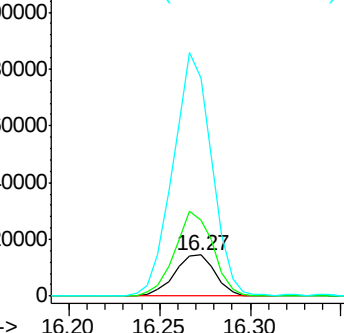
141 533.0 60.8 91.2#

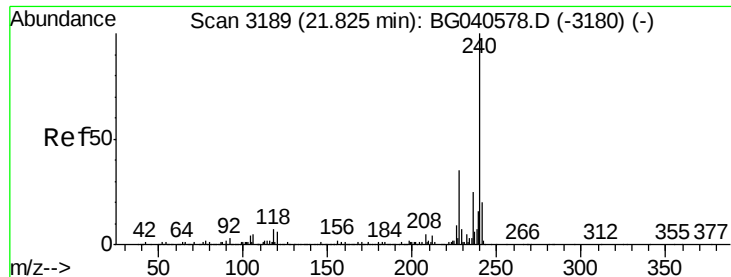


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

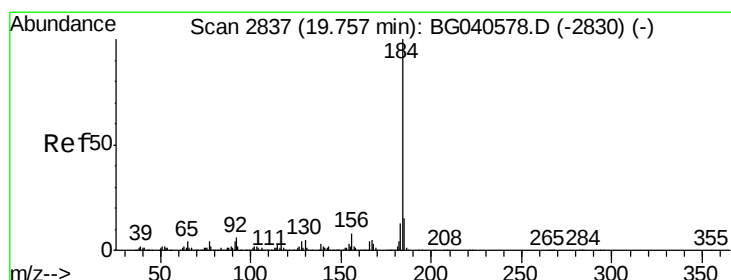
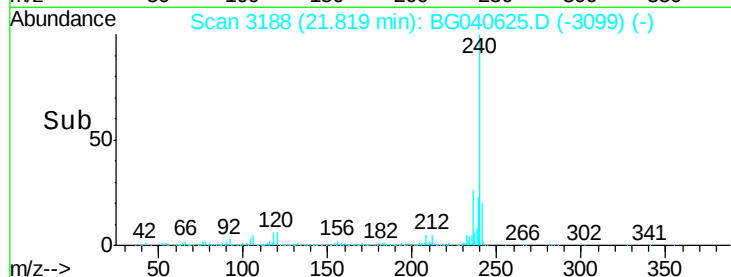
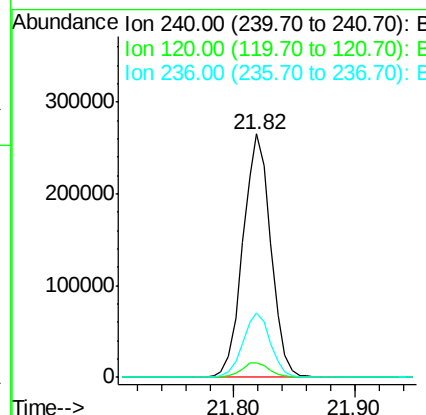
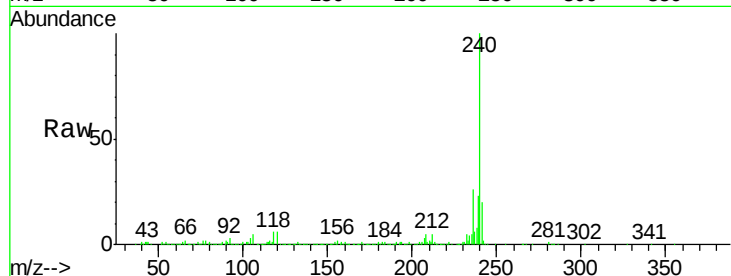




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

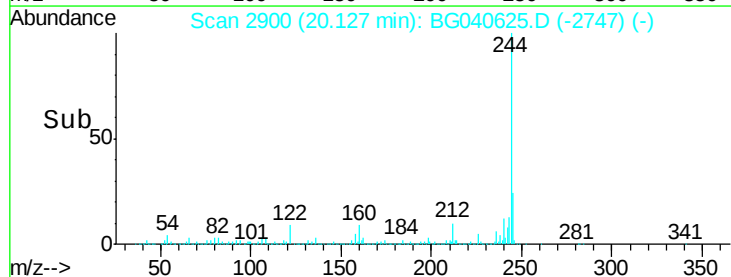
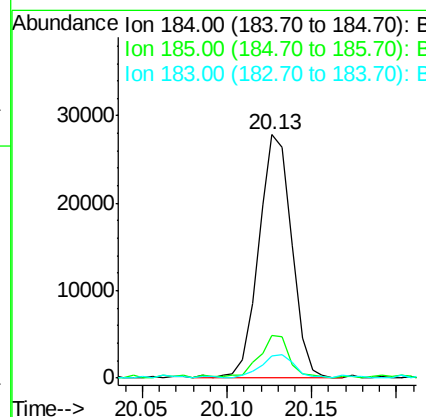
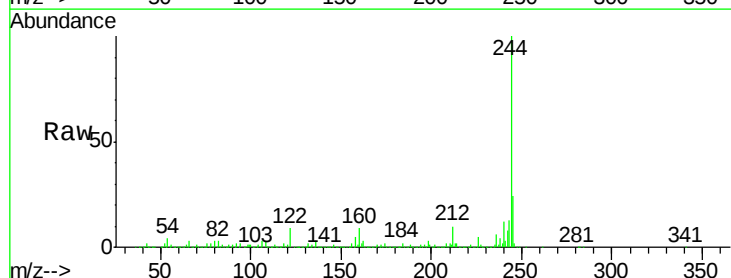
Instrument :
BNA_G
ClientSampleId :

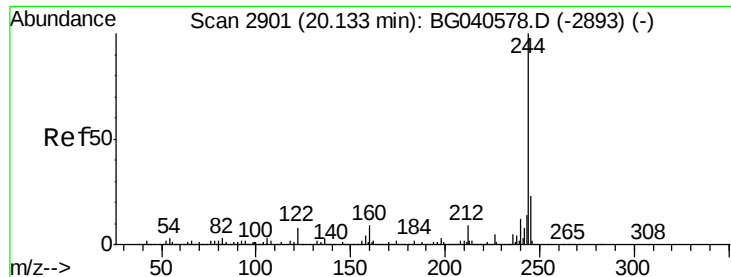
Tot Ion:240 Resp: 426123
Ion Ratio Lower Upper
240 100
120 6.2 5.0 7.6
236 26.4 20.3 30.5



#77
Benzidine
Concen: 3.219 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040625.D
Acq: 26 Apr 2019 12:26

Tgt Ion:184 Resp: 37552
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.8
183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 91.720 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

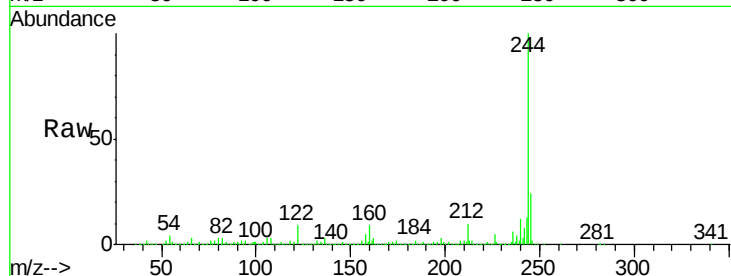
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1764181

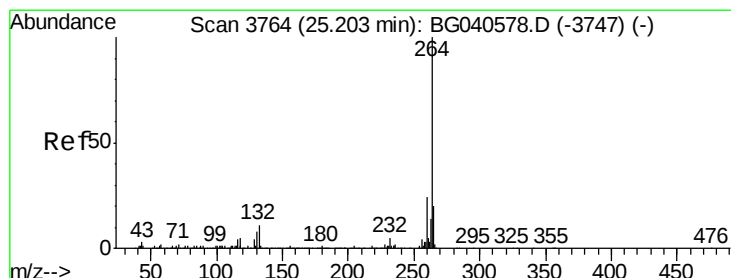
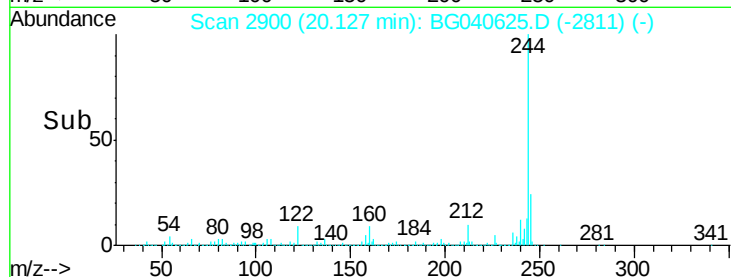
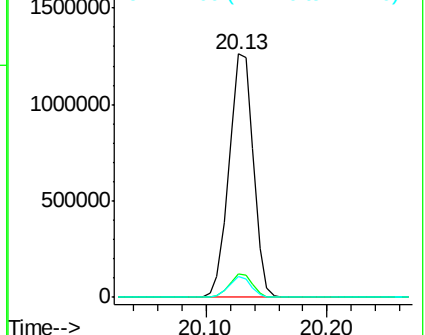
Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.2	10.8
122	8.8	6.6	10.0



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# 3762

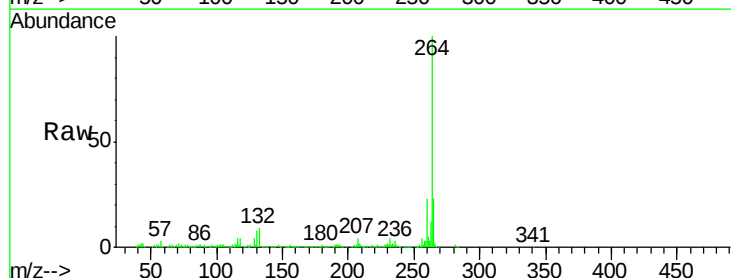
Delta R.T. -0.01 min

Lab File: BG040625.D

Acq: 26 Apr 2019 12:26

Tgt Ion:264 Resp: 444022

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	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

