

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040650.D
 Acq On : 27 Apr 2019 5:26
 Operator : JU/SJ
 Sample : K2553-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200034

Quant Time: Apr 29 01:05:12 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

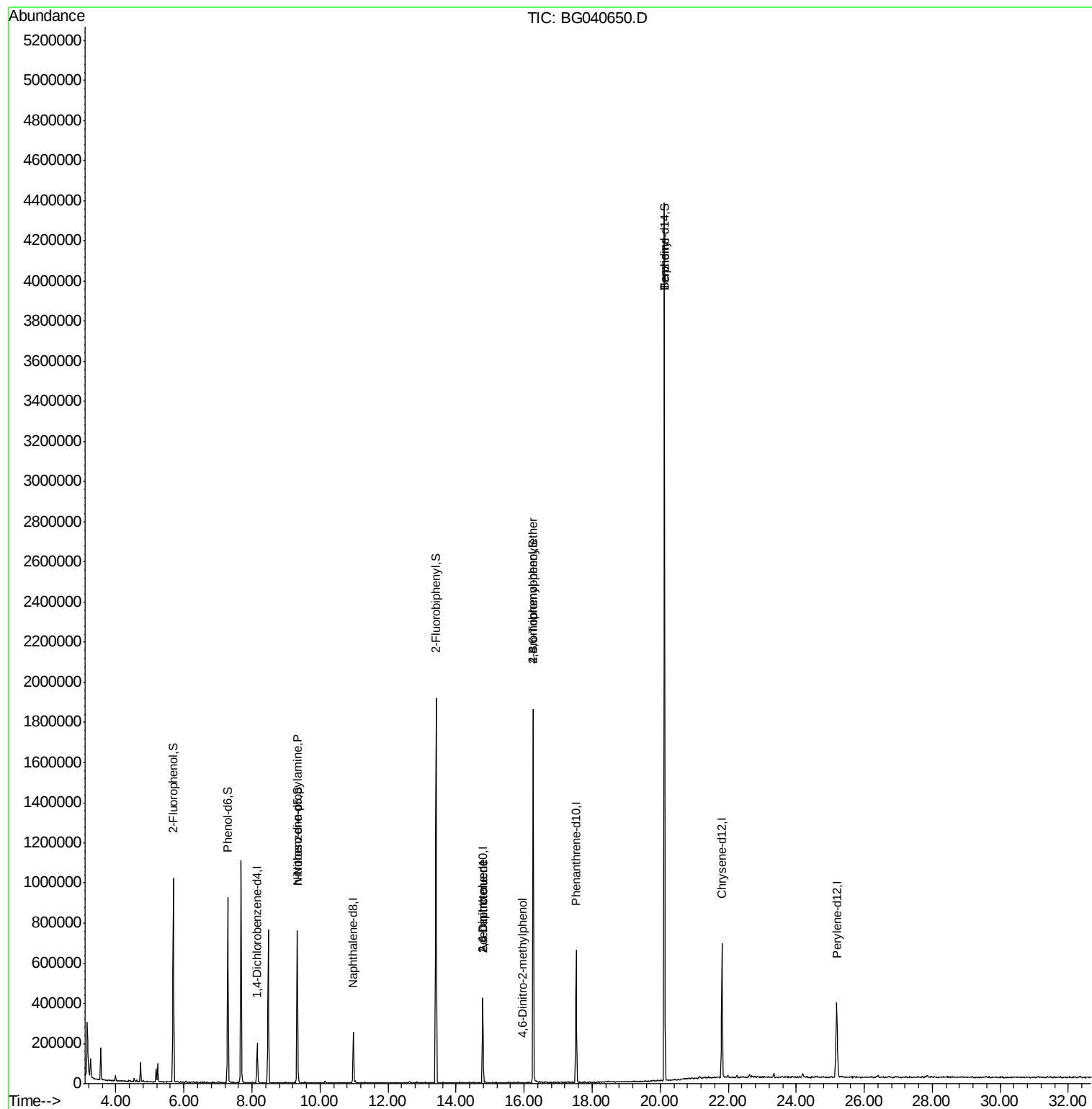
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	47843	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	193003	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	142255	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	390321	20.00	ng	0.00
76) Chrysene-d12	21.81	240	399215	20.00	ng	-0.01
87) Perylene-d12	25.19	264	409785	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	342536	126.21	ng	0.00
7) Phenol-d6	7.29	99	449773	107.63	ng	0.00
23) Nitrobenzene-d5	9.33	82	440742	105.52	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	306139	156.57	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	895824	90.95	ng	0.00
79) Terphenyl-d14	20.13	244	1866381	103.57	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1498	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.33	70	64804	17.227 ng	# 77	
51) 2,6-Dinitrotoluene	14.78	165	18781	8.085 ng	# 16	
57) 2,4-Dinitrotoluene	14.78	165	18781	5.950 ng	# 17	
65) 4,6-Dinitro-2-methylphenol	15.96	198	71	7.133 ng	# 28	
67) 4-Bromophenyl-phenylether	16.27	248	23178	4.766 ng	# 1	
77) Benizidine	20.13	184	37580	3.438 ng	# 93	

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

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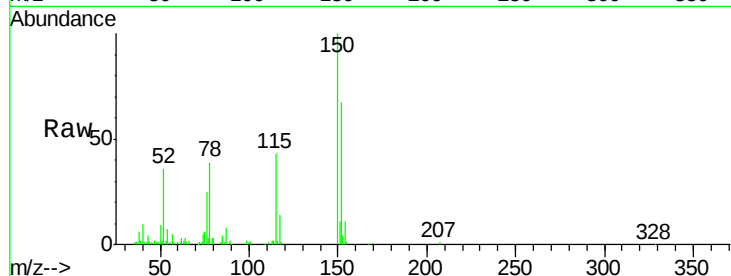


#1

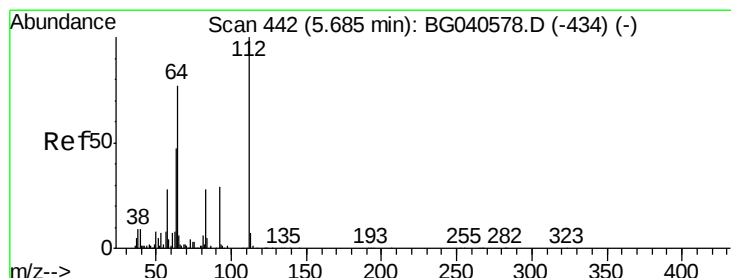
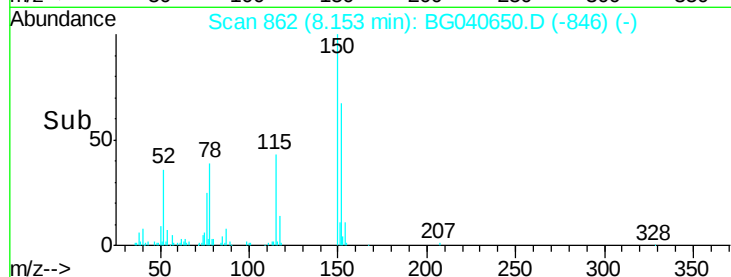
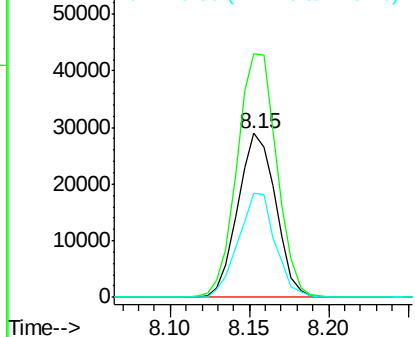
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG040650.D
 Acq: 27 Apr 2019 5:26

Instrument :
 BNA_G
 ClientSampleId :
 RBR200034

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	120.2	180.2
115	63.8	46.2	69.2



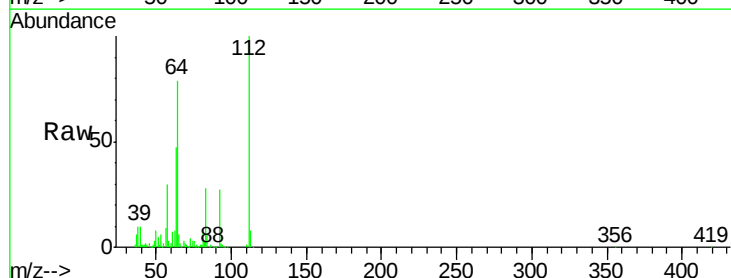
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



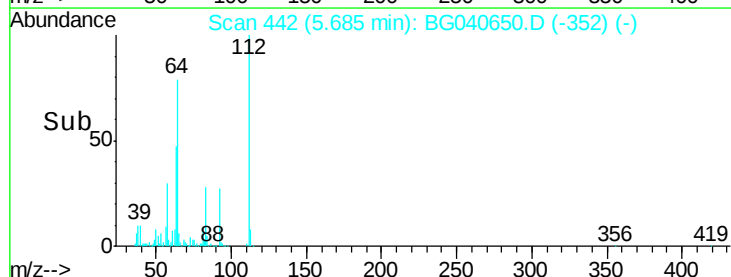
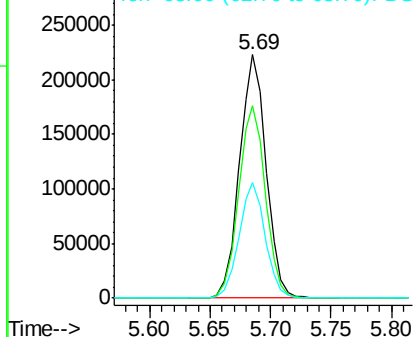
#5

2-Fluorophenol
 Concen: 126.207 ng
 RT: 5.69 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BG040650.D
 Acq: 27 Apr 2019 5:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.0	61.4	92.0
63	47.2	37.8	56.6



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





#7

Phenol-d6

Concen: 107.629 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

Instrument :

BNA_G

ClientSampleId :

RBR200034

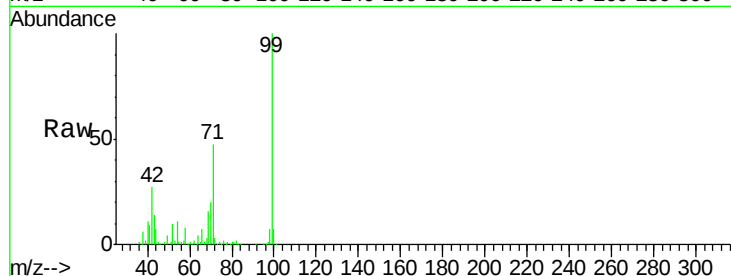
Tot Ion: 99 Resp: 449773

Ion Ratio Lower Upper

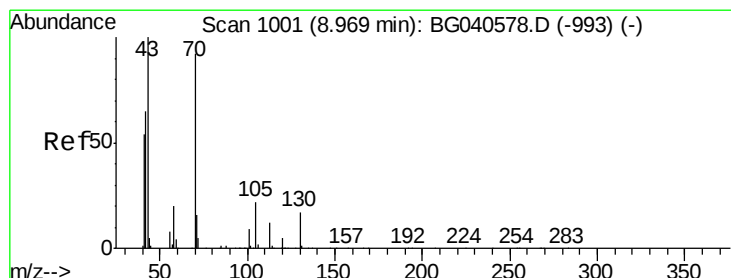
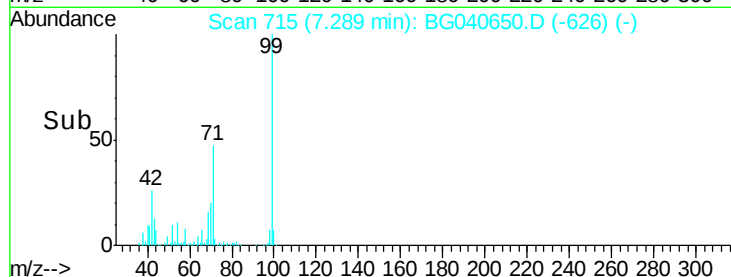
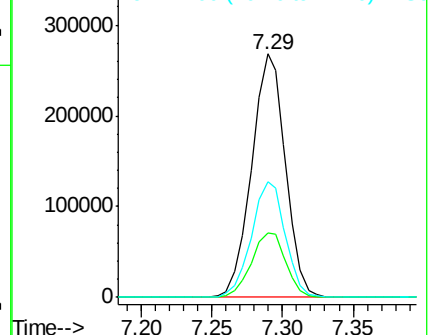
99 100

42 26.6 21.8 32.8

71 47.5 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: 17.227 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

Tgt Ion: 70 Resp: 64804

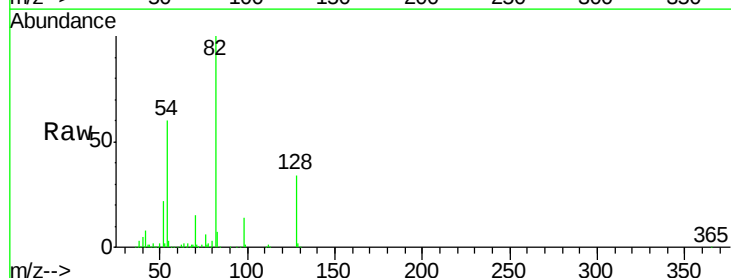
Ion Ratio Lower Upper

70 100

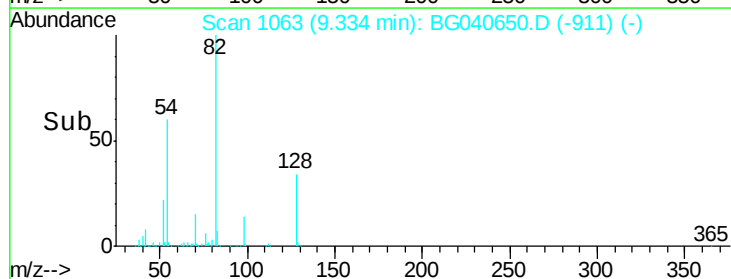
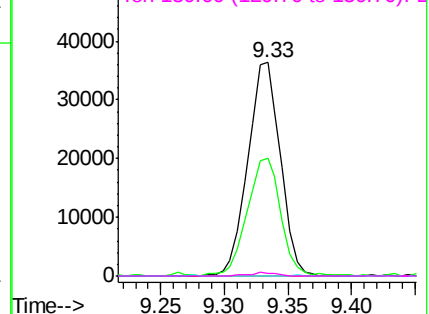
42 55.4 57.1 85.7#

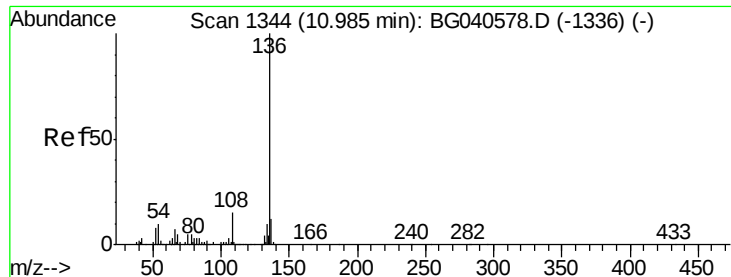
101 0.0 7.8 11.8#

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

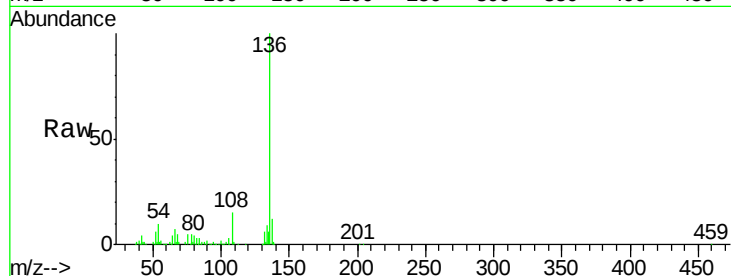




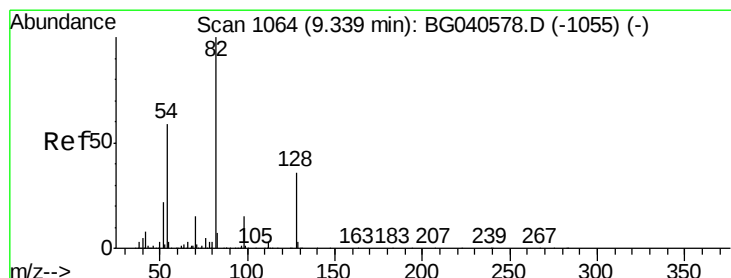
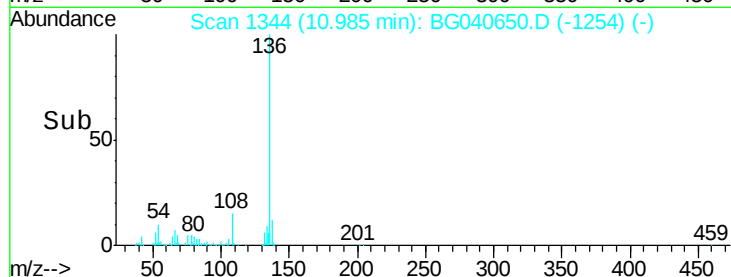
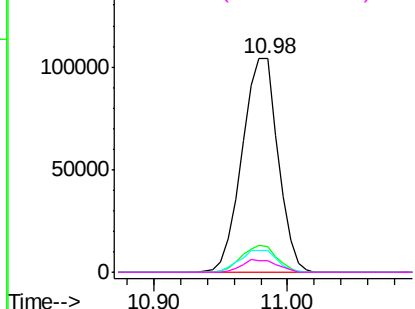
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

Instrument :
BNA_G
ClientSampleId :
RBR200034

Tot Ion:136	Resp:	193003
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.7 14.5
54	10.3	8.6 12.8
68	5.7	4.8 7.2

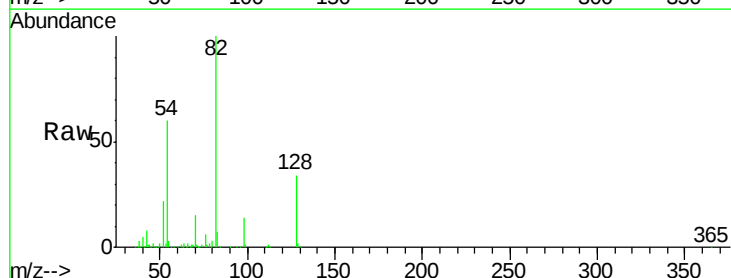


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

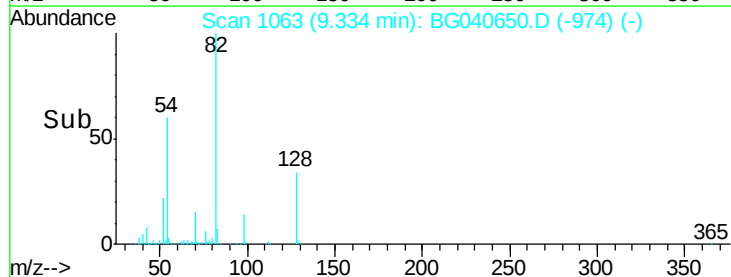
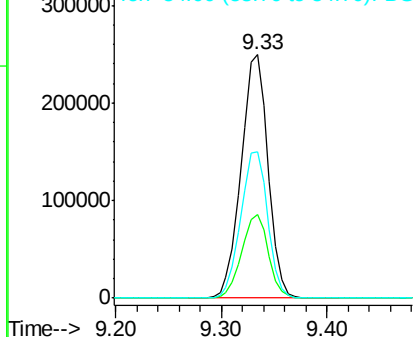


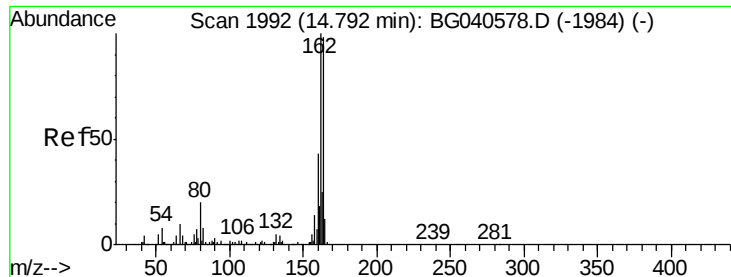
#23
Nitrobenzene-d5
Concen: 105.517 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

Tgt Ion: 82	Resp:	440742
Ion	Ratio	Lower Upper
82	100	
128	34.1	28.9 43.3
54	60.2	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

Instrument :

BNA_G

ClientSampleId :

RBR200034

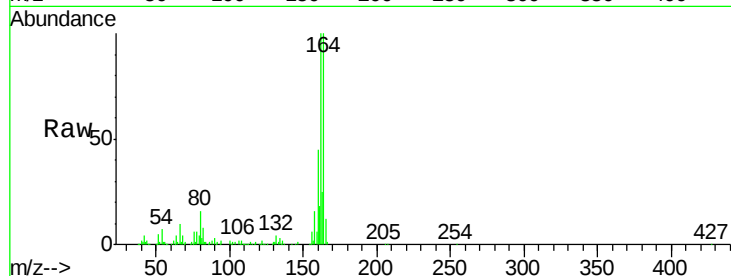
Tot Ion:164 Resp: 142255

Ion Ratio Lower Upper

164 100

162 99.8 81.9 122.9

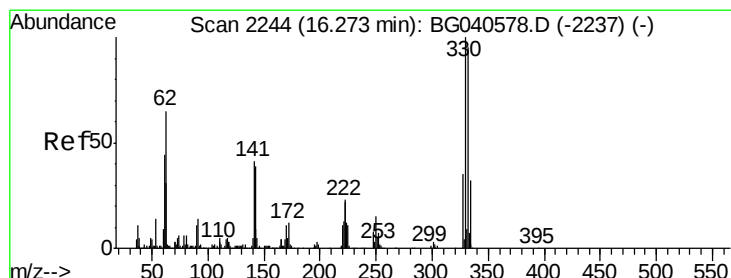
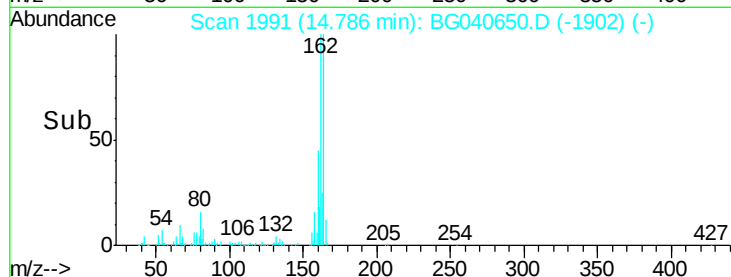
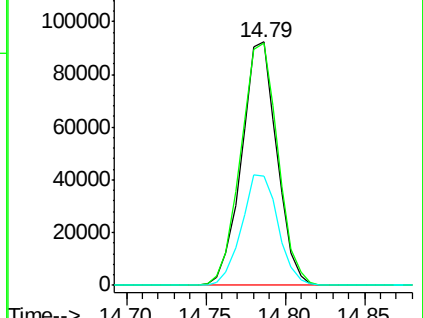
160 44.9 35.4 53.2



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: 156.567 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

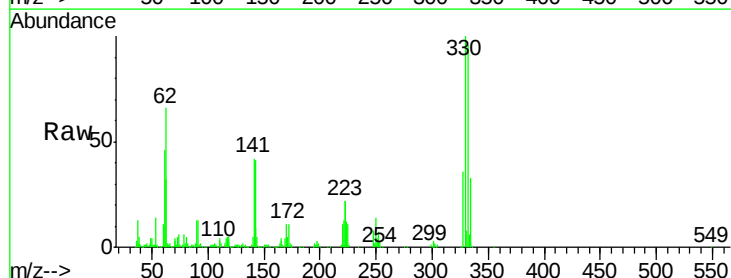
Tgt Ion:330 Resp: 306139

Ion Ratio Lower Upper

330 100

332 95.6 75.9 113.9

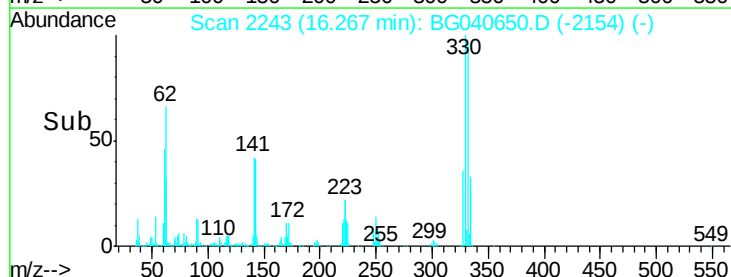
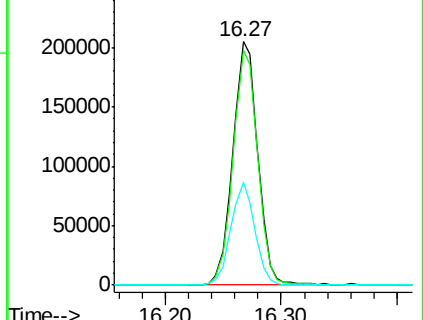
141 40.3 32.4 48.6

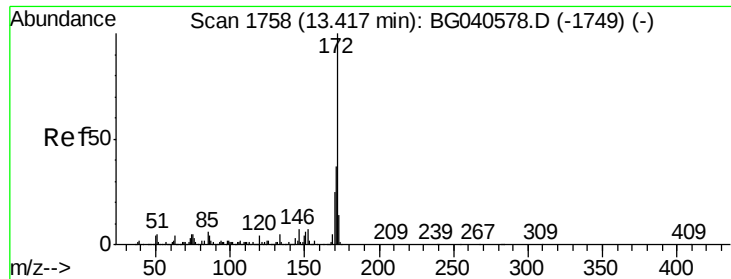


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

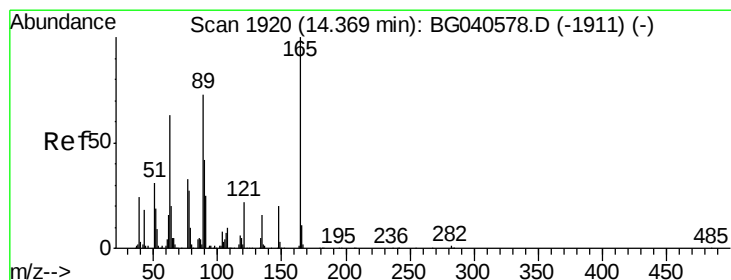
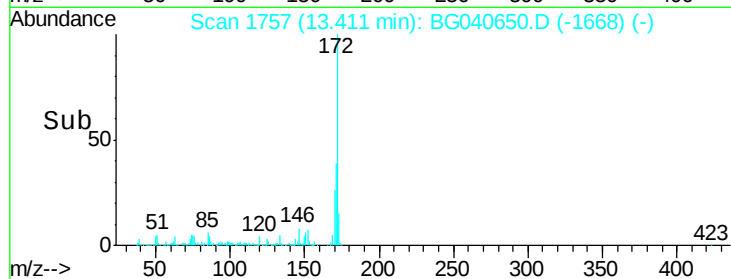
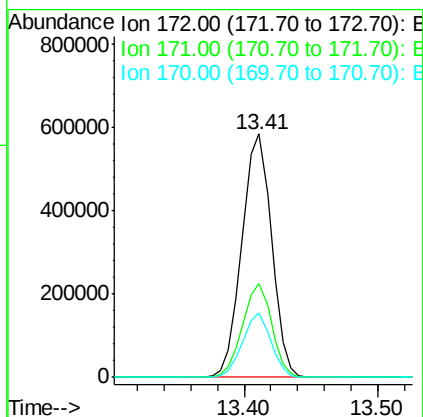
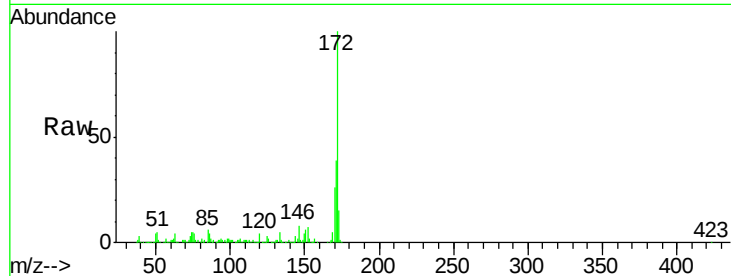




#45
2-Fluorobiphenyl
Concen: 90.946 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

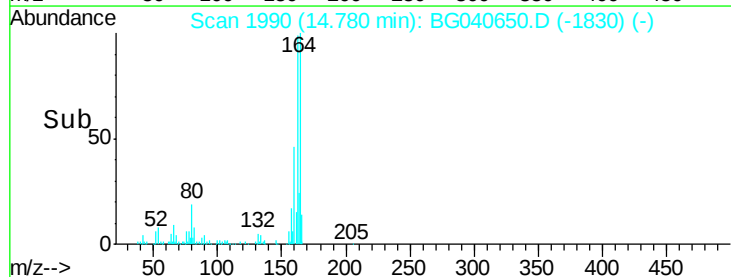
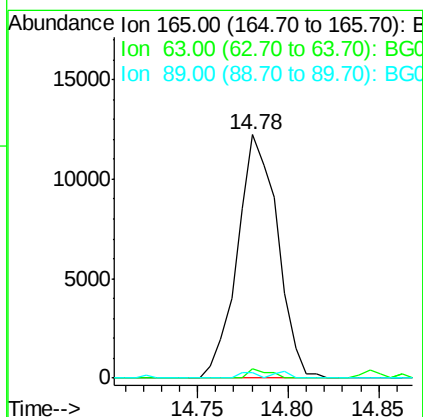
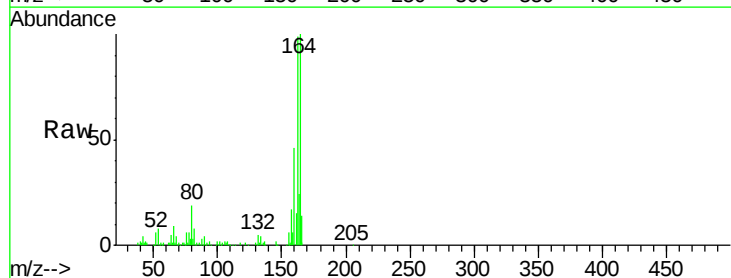
Instrument :
BNA_G
ClientSampleId :
RBR200034

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.4	44.2
170	26.3	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.085 ng
RT: 14.78 min Scan# 1990
Delta R.T. 0.41 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.8	61.0	91.4#
89	2.1	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.950 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

Instrument :

BNA_G

ClientSampleId :

RBR200034

Tot Ion:165 Resp: 18781

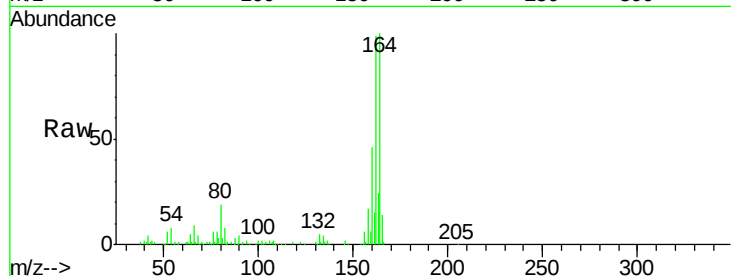
Ion Ratio Lower Upper

165 100

63 3.8 45.8 68.8#

89 2.1 69.4 104.2#

182 0.0 2.2 3.4#

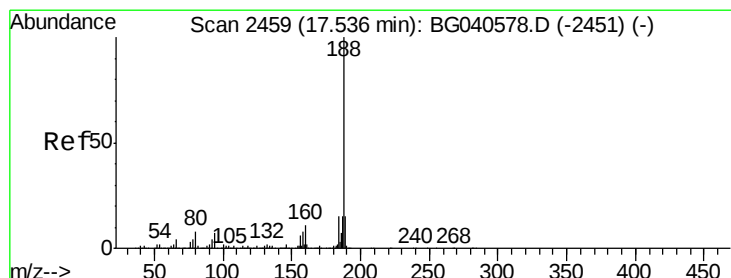
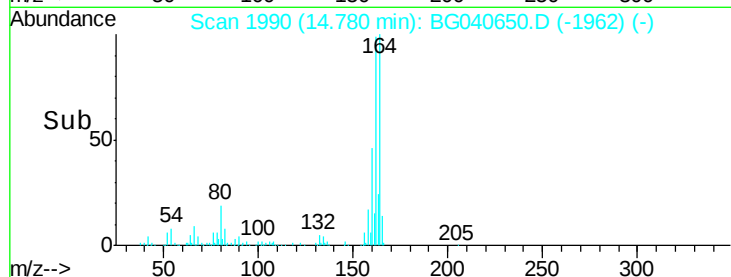
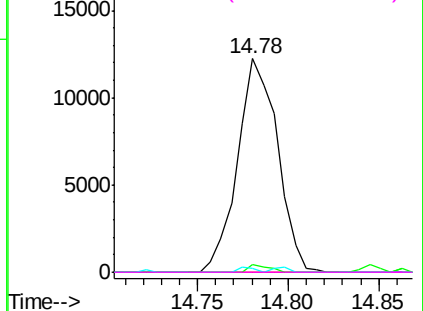


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040650.D

Acq: 27 Apr 2019 5:26

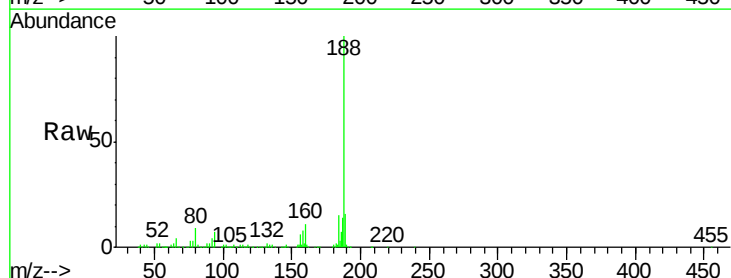
Tgt Ion:188 Resp: 390321

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

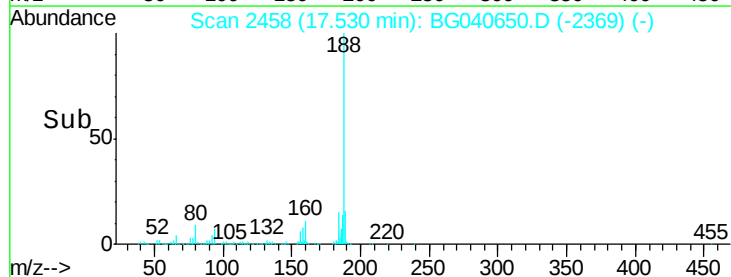
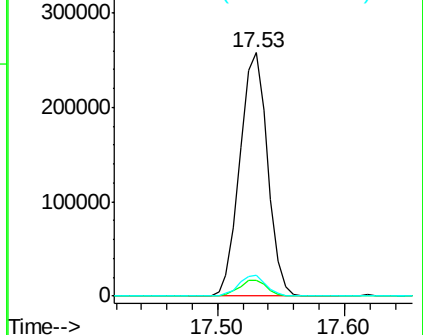
80 8.7 6.4 9.6

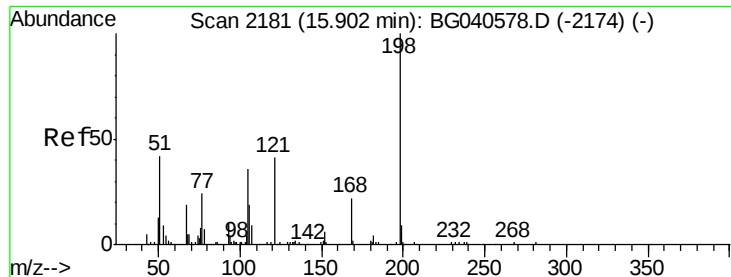


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.133 ng

RT: 15.96 min Scan# 2190

Delta R.T. 0.05 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

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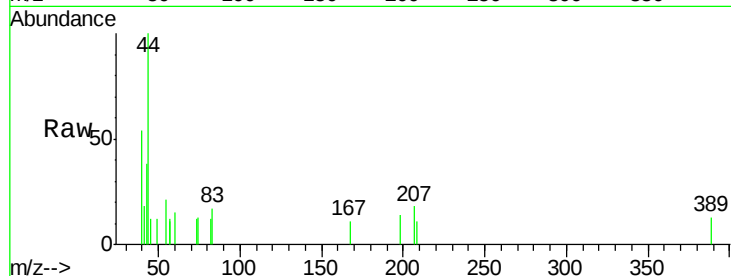
Tot Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

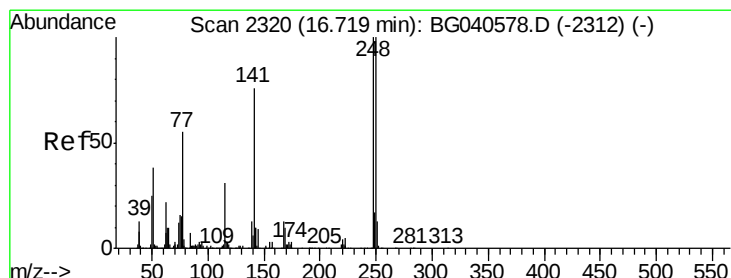
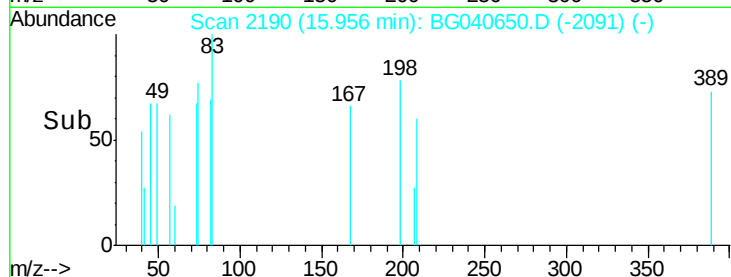
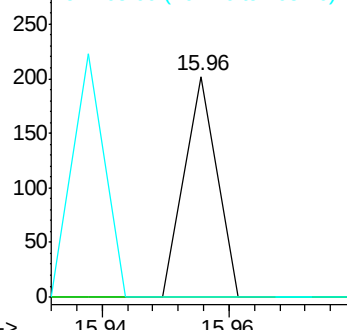
105 0.0 21.2 61.2#



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: 4.766 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

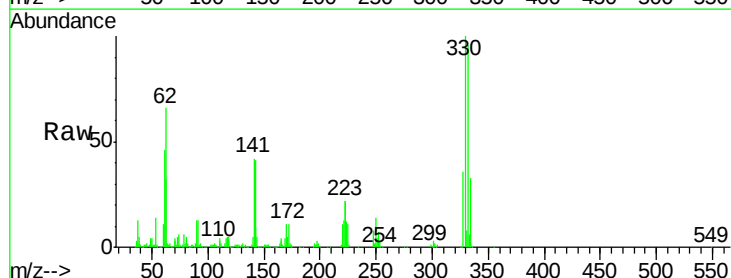
Tgt Ion:248 Resp: 23178

Ion Ratio Lower Upper

248 100

250 181.6 79.8 119.6#

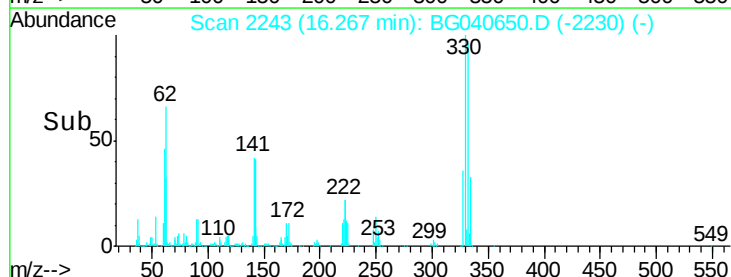
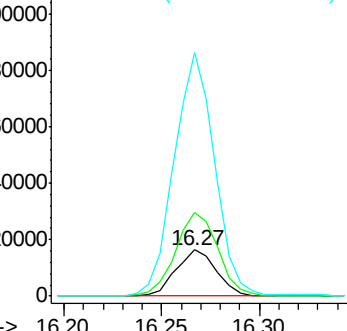
141 530.3 60.8 91.2#

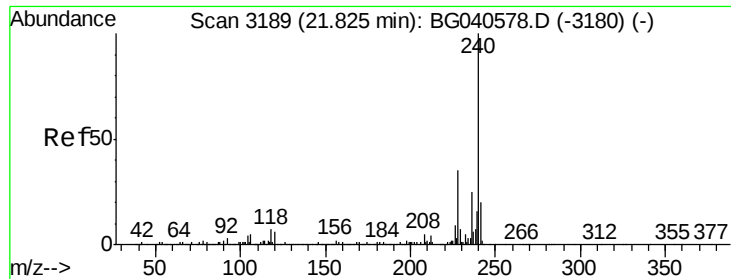


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

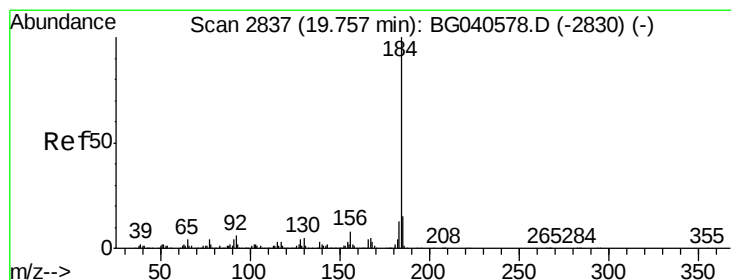
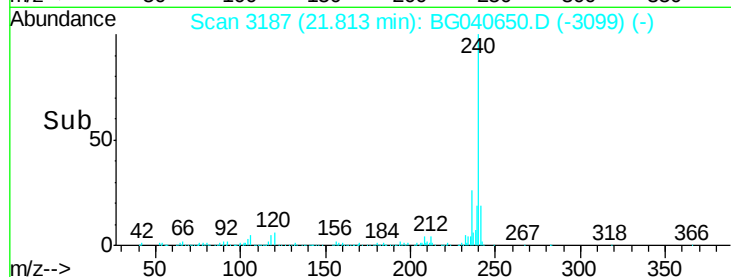
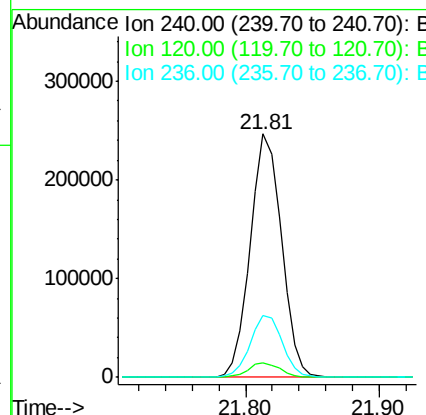
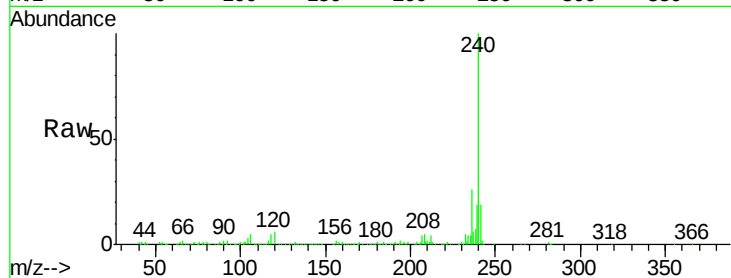




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

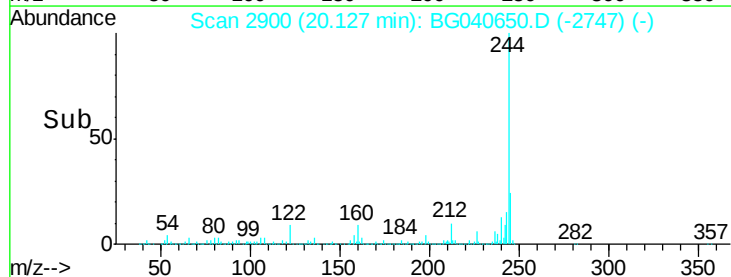
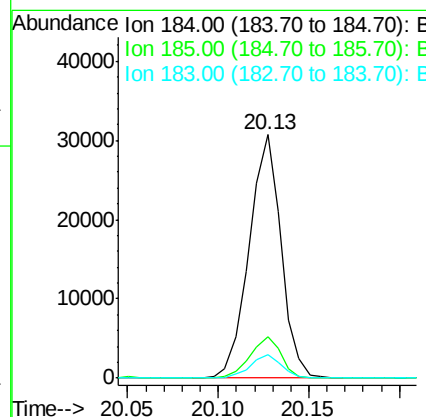
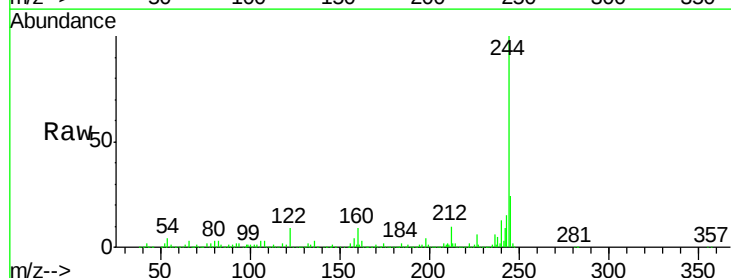
Instrument :
BNA_G
ClientSampleId :
RBR200034

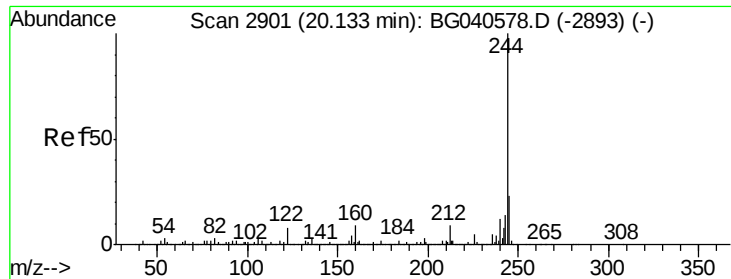
Tot Ion:240 Resp: 399215
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.6
236 25.5 20.3 30.5



#77
Benzidine
Concen: 3.438 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040650.D
Acq: 27 Apr 2019 5:26

Tgt Ion:184 Resp: 37580
Ion Ratio Lower Upper
184 100
185 17.1 11.8 17.8
183 9.7 10.2 15.2#





#79

Terphenyl-d14

Concen: 103.574 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

Instrument :

BNA_G

ClientSampleId :

RBR200034

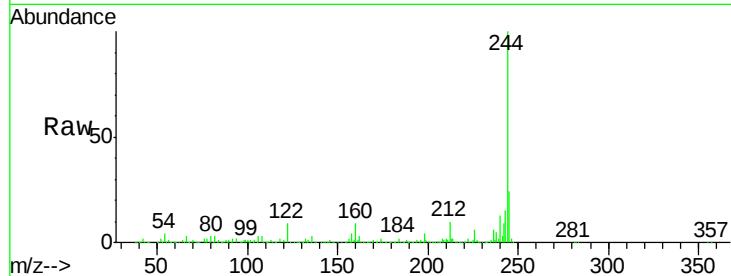
Tot Ion:244 Resp: 1866381

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

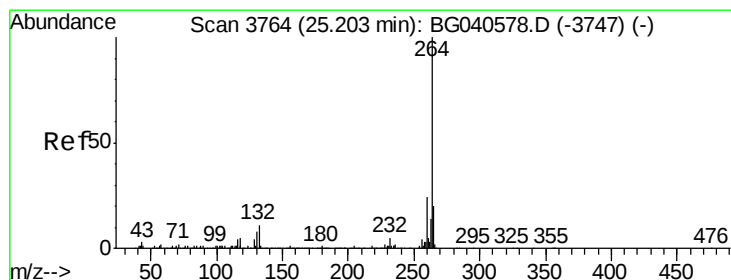
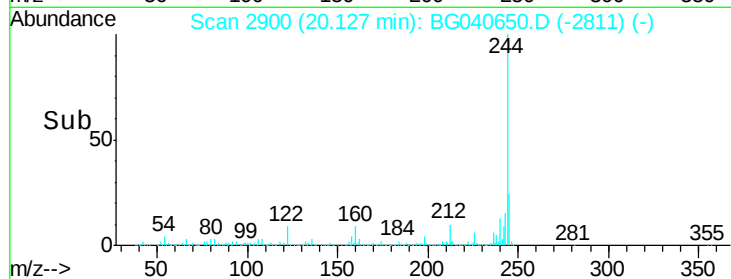
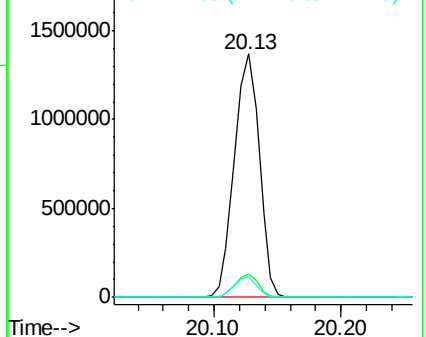
122 8.6 6.6 10.0



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: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040650.D

Acq: 27 Apr 2019 5:26

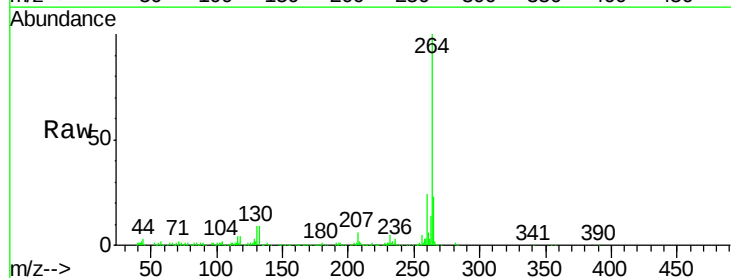
Tgt Ion:264 Resp: 409785

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.9 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

