

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040635.D
 Acq On : 26 Apr 2019 18:44
 Operator : JU/SJ
 Sample : K2566-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:49 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

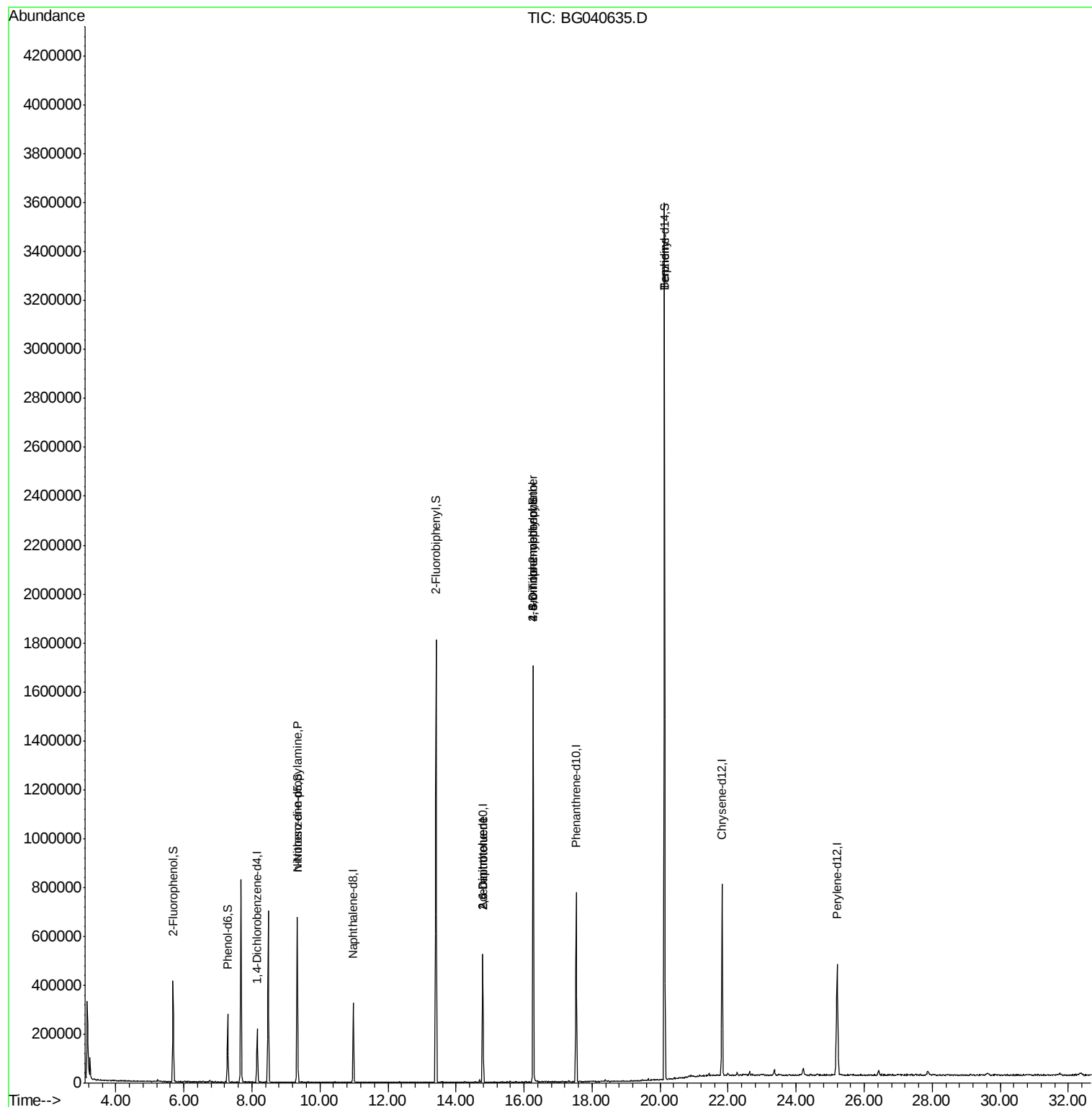
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	55018	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	237581	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	174384	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	454250	20.00	ng	0.00
76) Chrysene-d12	21.82	240	456928	20.00	ng	0.00
87) Perylene-d12	25.21	264	482949	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	144134	46.18	ng	0.00
7) Phenol-d6	7.29	99	135819	28.26	ng	0.00
23) Nitrobenzene-d5	9.34	82	393447	76.52	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	276637	115.41	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	857846	71.04	ng	0.00
79) Terphenyl-d14	20.13	244	1590215	77.10	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	146	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.34	70	58507	13.525 ng	# 76	
51) 2,6-Dinitrotoluene	14.79	165	22371	7.856 ng	# 14	
57) 2,4-Dinitrotoluene	14.79	165	22371	5.781 ng	# 16	
65) 4,6-Dinitro-2-methylphenol	16.27	198	1087	7.515 ng	# 1	
67) 4-Bromophenyl-phenylether	16.27	248	20171	3.564 ng	# 1	
77) Benizidine	20.13	184	31877	2.548 ng	# 97	

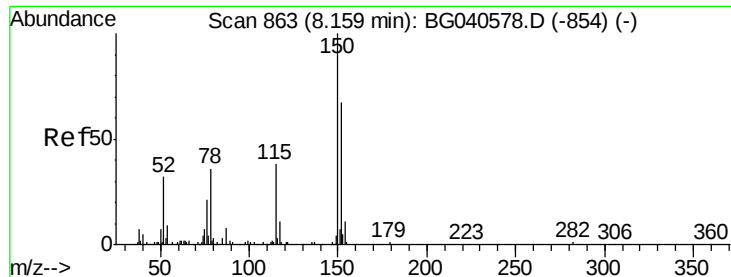
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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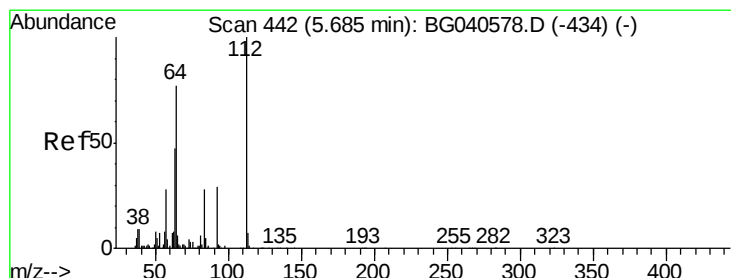
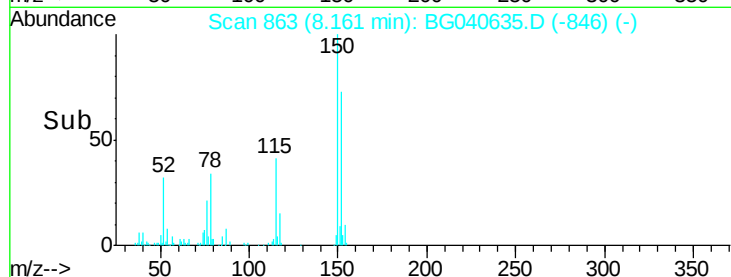
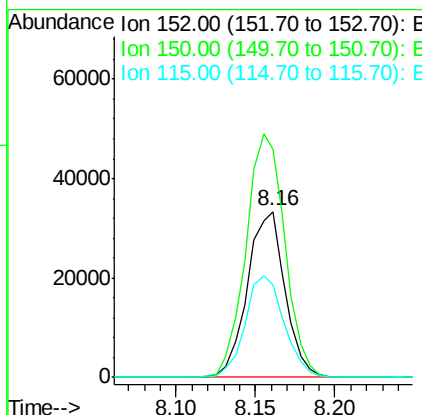
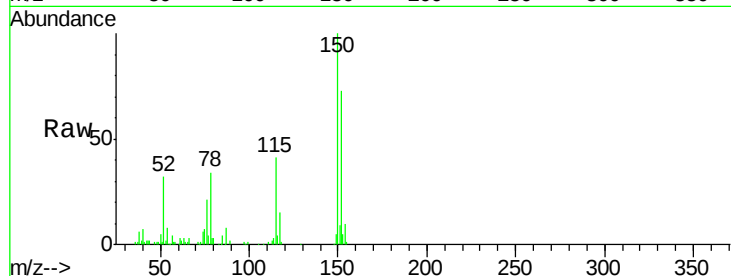


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BG040635.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_G
ClientSampleId :

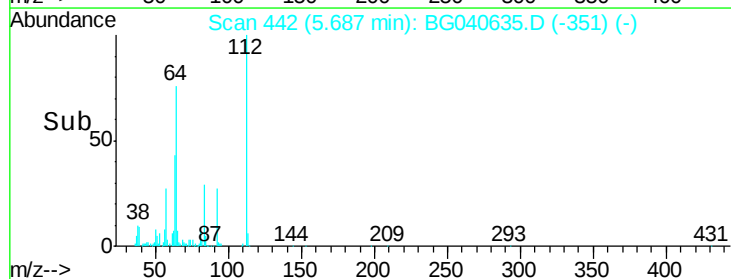
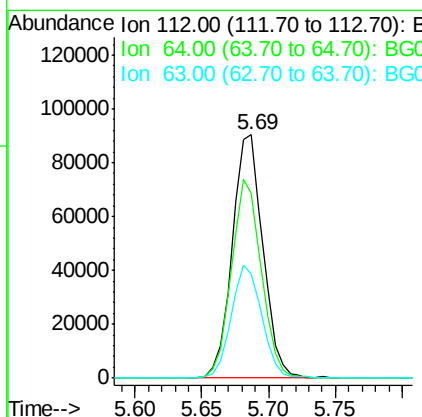
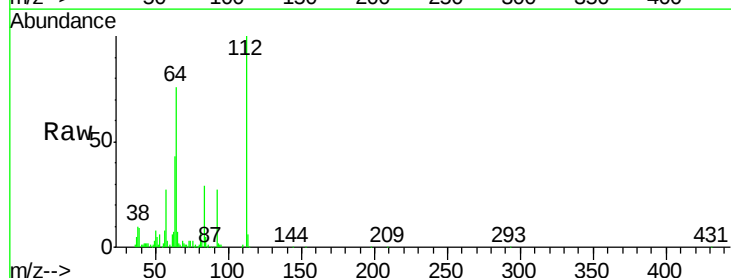
Tot Ion	Ratio	Lower	Upper
152	100		
150	137.5	120.2	180.2
115	55.9	46.2	69.2

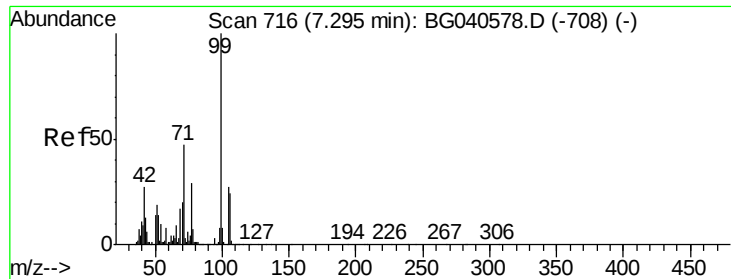


#5

2-Fluorophenol
Concen: 46.180 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040635.D
Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.7	61.4	92.0
63	43.0	37.8	56.6





#7

Phenol-d6

Concen: 28.262 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

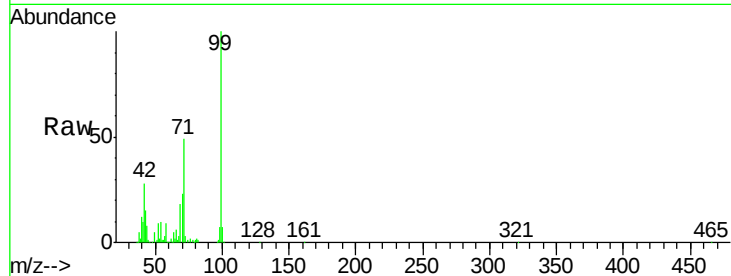
Tot Ion: 99 Resp: 135819

Ion Ratio Lower Upper

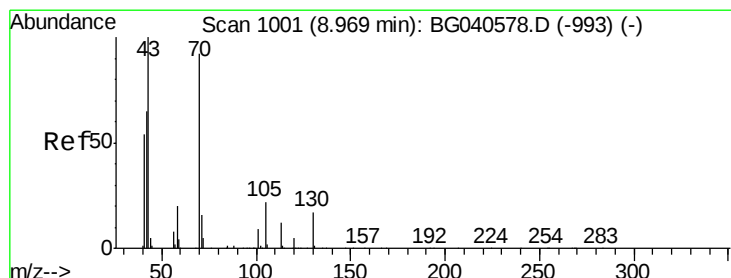
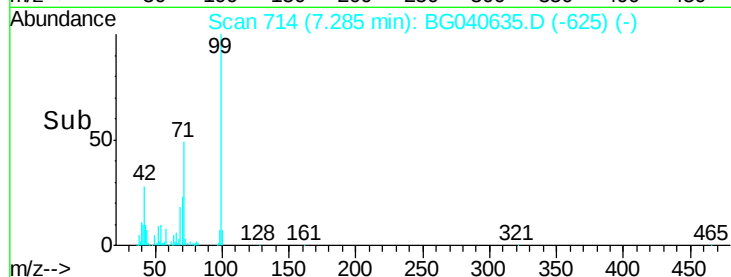
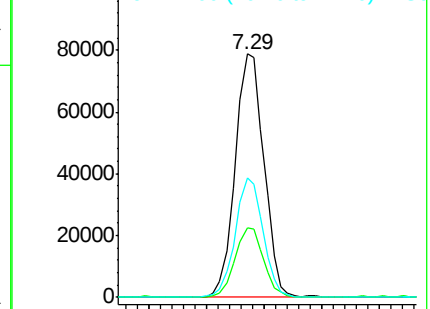
99 100

42 28.3 21.8 32.8

71 49.1 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: 13.525 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Tgt Ion: 70 Resp: 58507

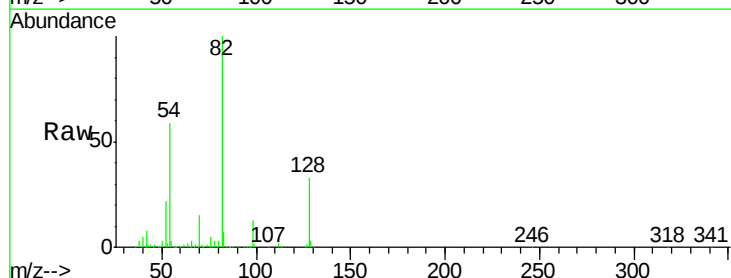
Ion Ratio Lower Upper

70 100

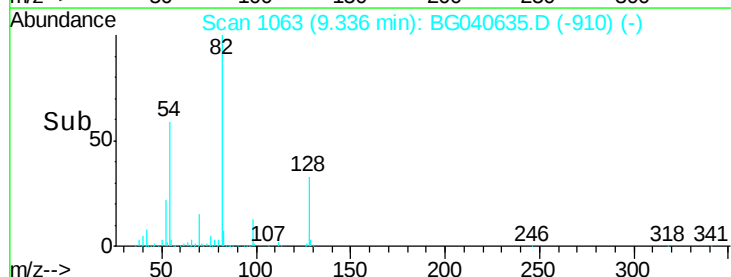
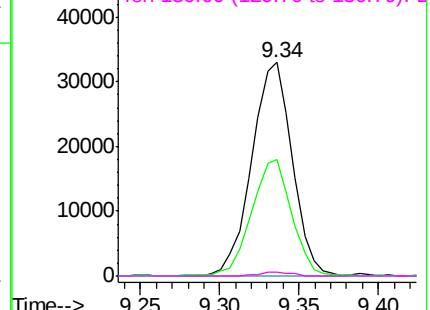
42 54.5 57.1 85.7#

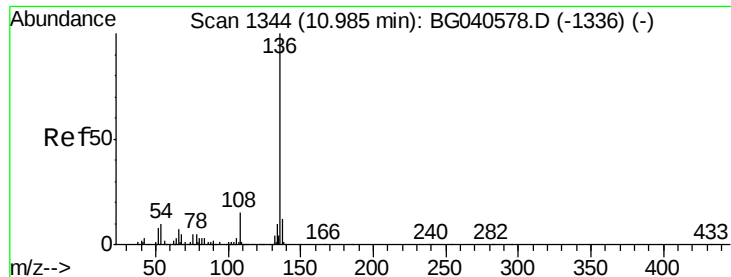
101 0.0 7.8 11.8#

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

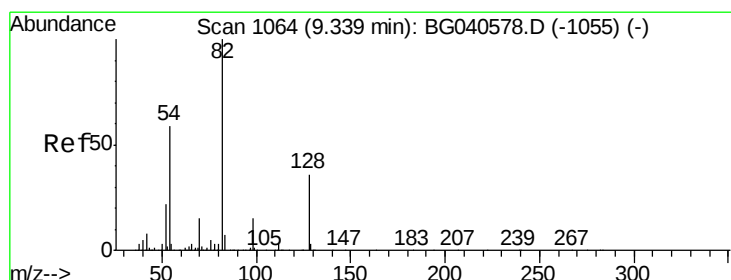
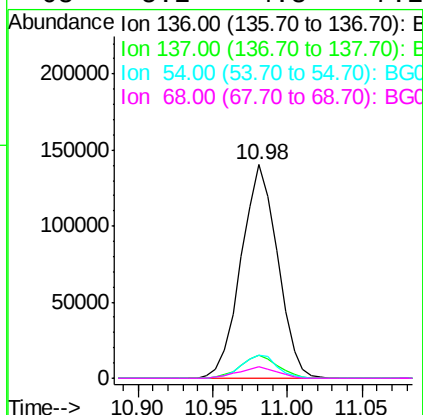
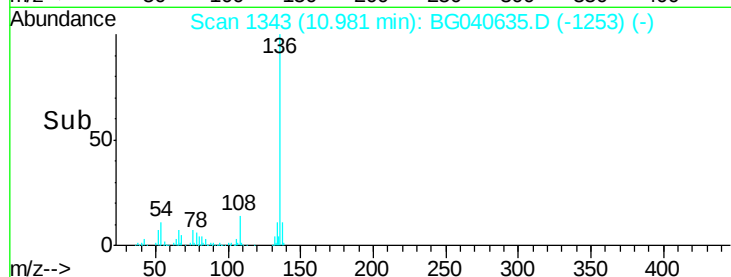
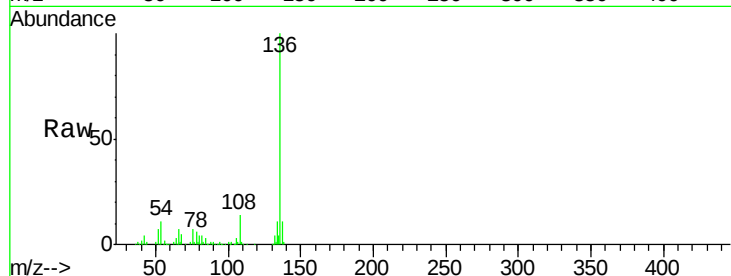




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040635.D
Acq: 26 Apr 2019 18:44

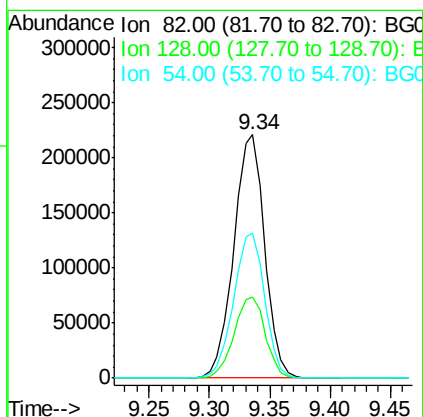
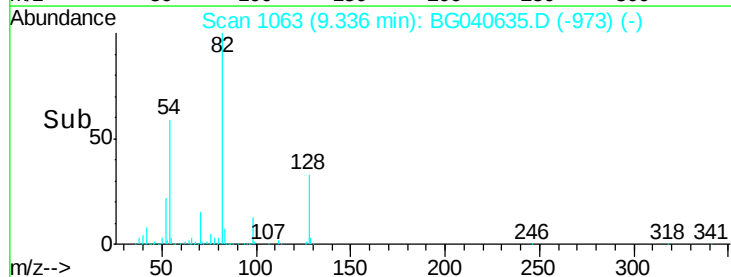
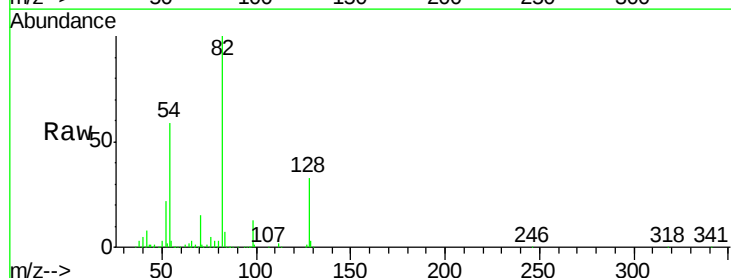
Instrument :
BNA_G
ClientSampleId :

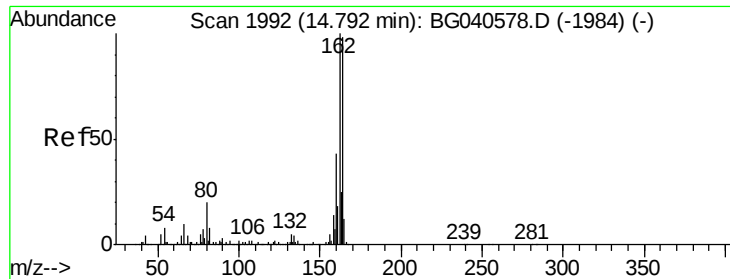
Tot Ion:136	Resp:	237581	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.7	14.5	
54 11.0	8.6	12.8	
68 5.2	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 76.520 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040635.D
Acq: 26 Apr 2019 18:44

Tgt	Ion: 82	Resp:	393447
Ion	Ratio	Lower	Upper
82	100		
128	33.2	28.9	43.3
54	59.4	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

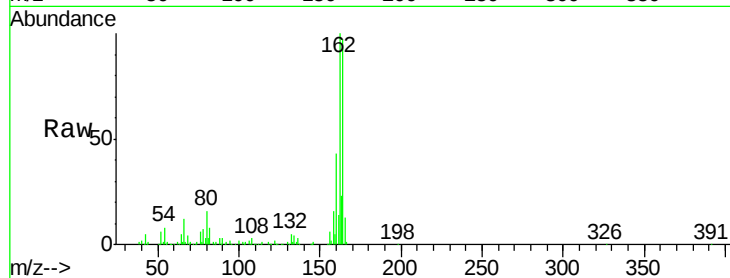
Tot Ion:164 Resp: 174384

Ion Ratio Lower Upper

164 100

162 102.6 81.9 122.9

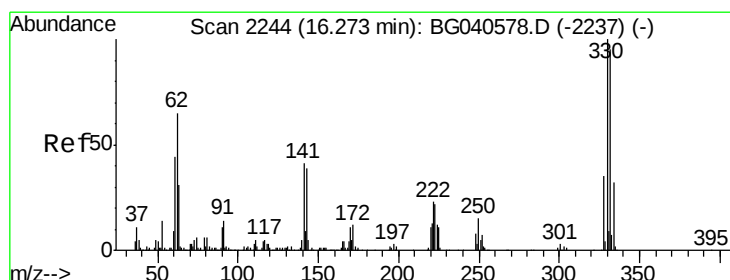
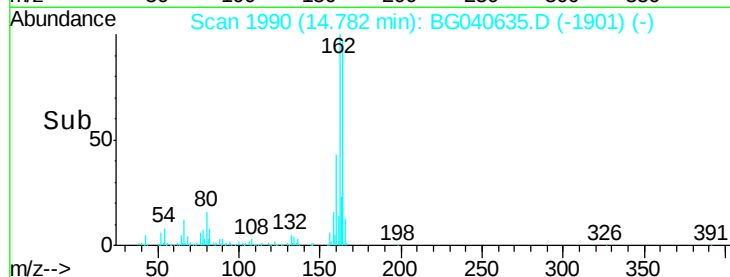
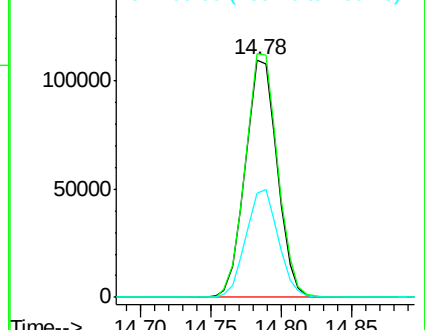
160 43.7 35.4 53.2



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: 115.412 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

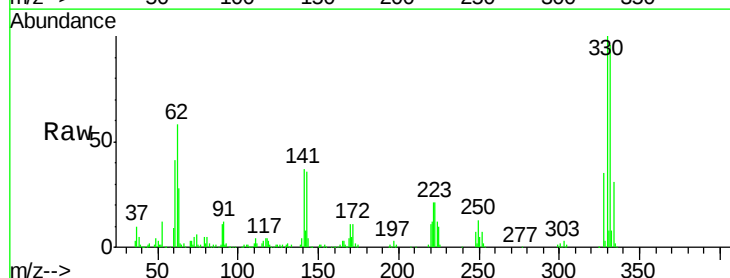
Tgt Ion:330 Resp: 276637

Ion Ratio Lower Upper

330 100

332 95.5 75.9 113.9

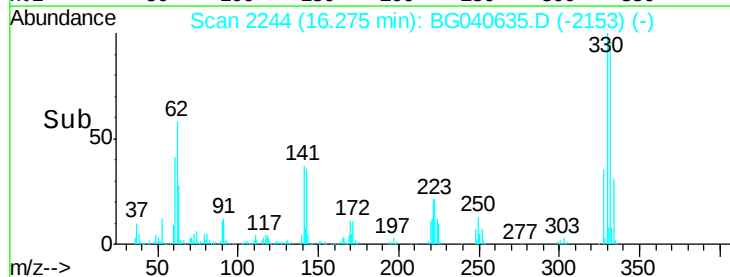
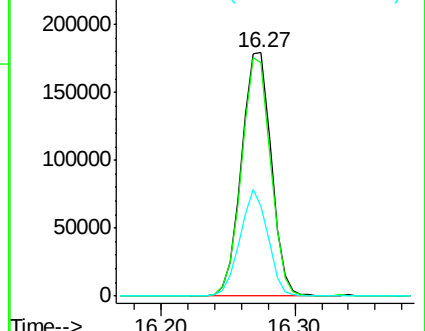
141 41.0 32.4 48.6

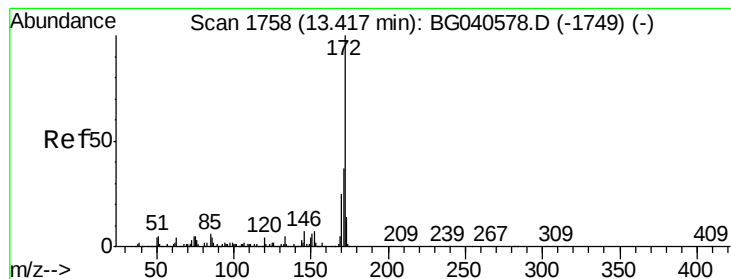


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 71.044 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

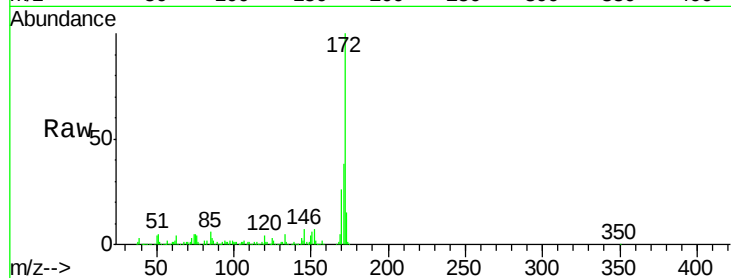
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 857846

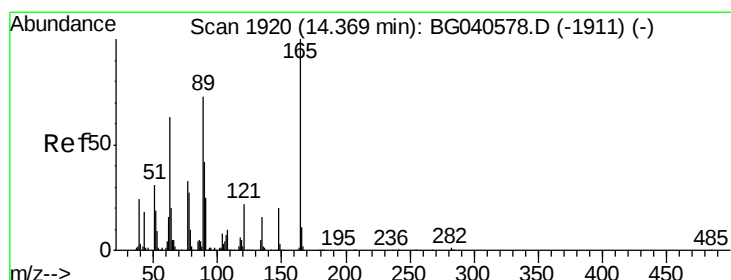
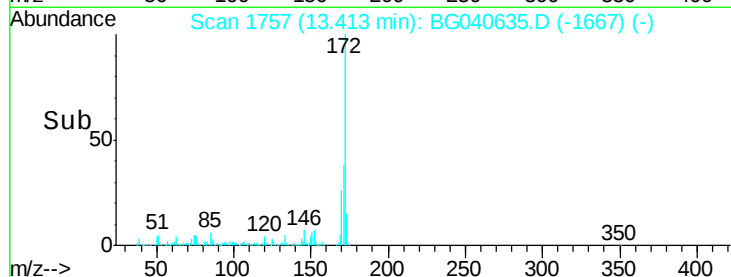
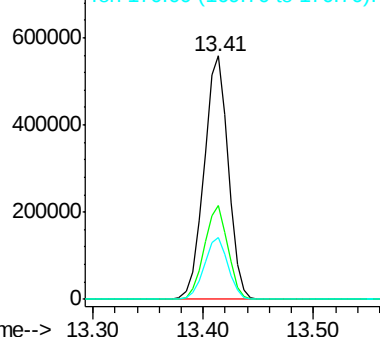
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	25.6	19.9	29.9



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: 7.856 ng

RT: 14.79 min Scan# 1991

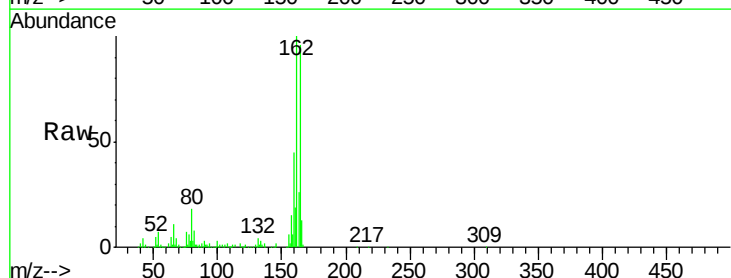
Delta R.T. 0.42 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Tgt Ion:165 Resp: 22371

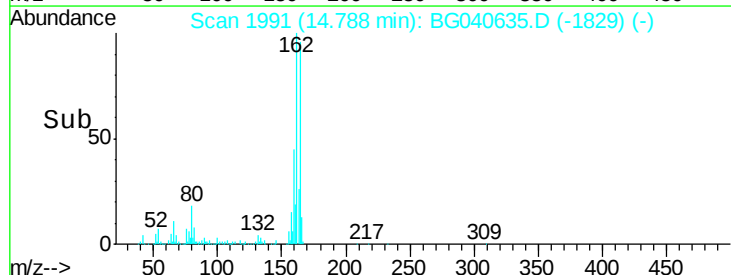
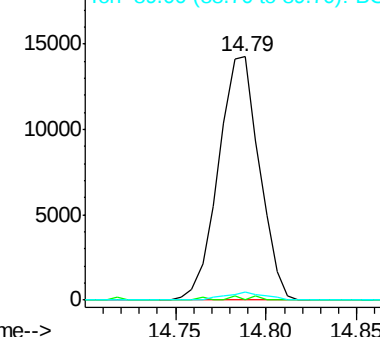
Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	3.4	58.6	87.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#57

2,4-Dinitrotoluene

Concen: 5.781 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22371

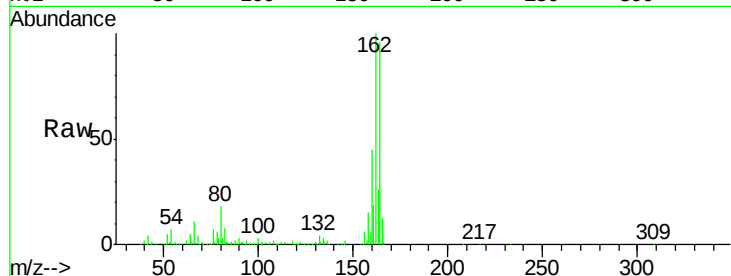
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 3.4 69.4 104.2#

182 0.0 2.2 3.4#

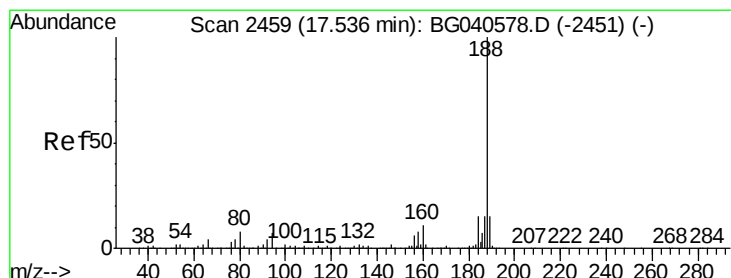
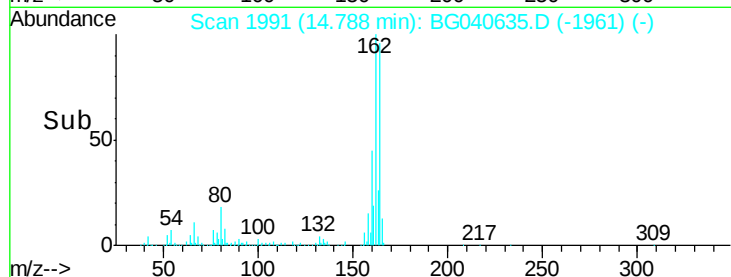
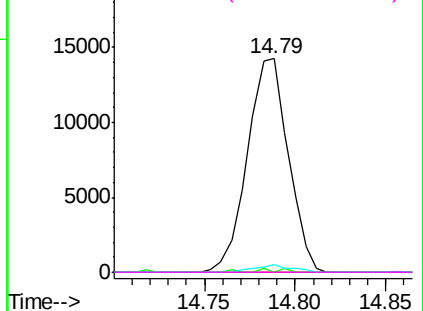


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040635.D

Acq: 26 Apr 2019 18:44

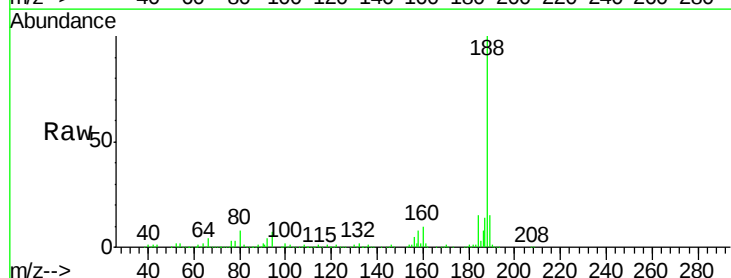
Tgt Ion:188 Resp: 454250

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

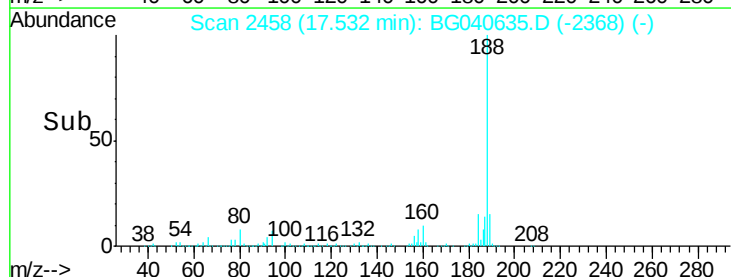
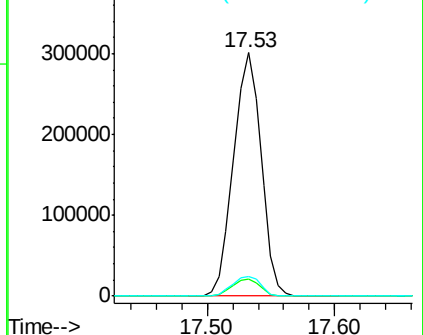
80 8.1 6.4 9.6

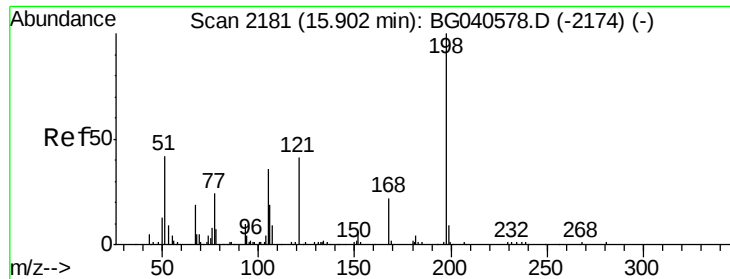


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.515 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

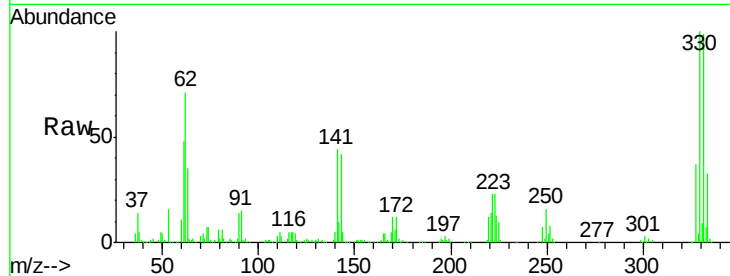
Tot Ion:198 Resp: 1087

Ion Ratio Lower Upper

198 100

51 113.7 35.9 75.9#

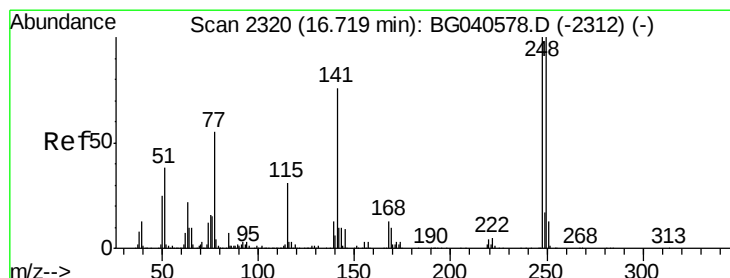
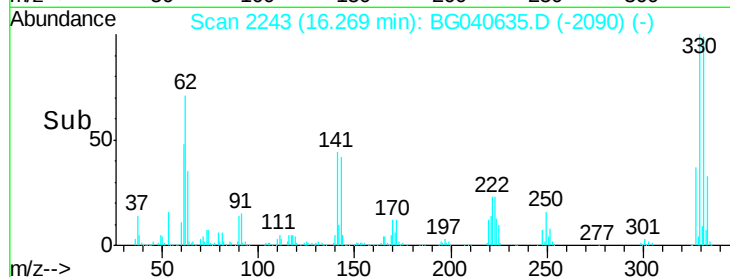
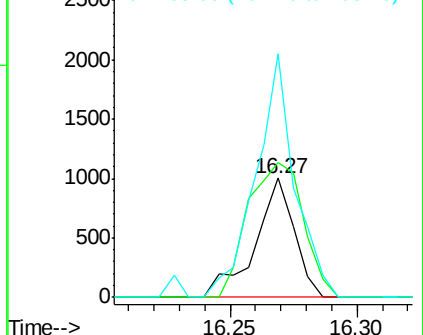
105 204.4 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.564 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

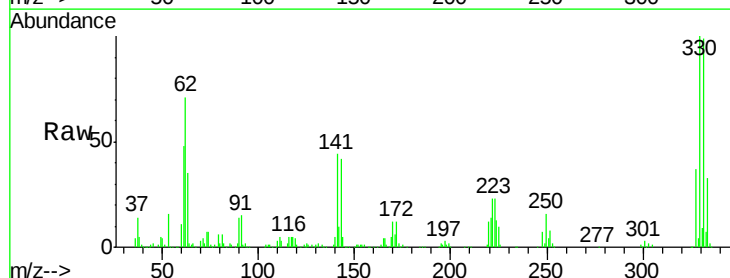
Tgt Ion:248 Resp: 20171

Ion Ratio Lower Upper

248 100

250 274.1 79.8 119.6#

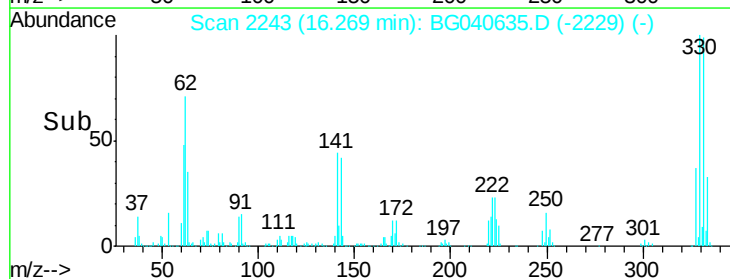
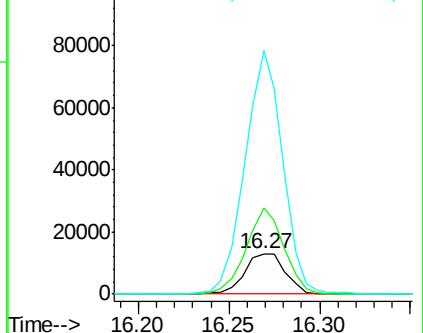
141 600.3 60.8 91.2#

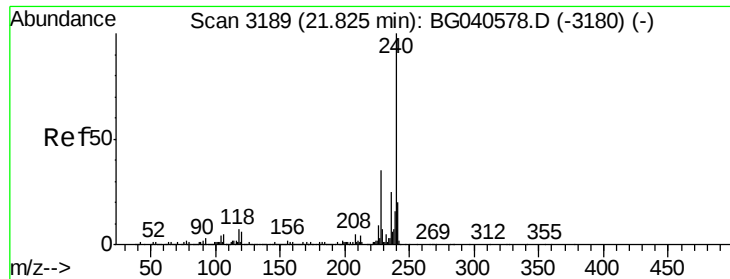


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.82 min Scan# 3188

Delta R.T. -0.00 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

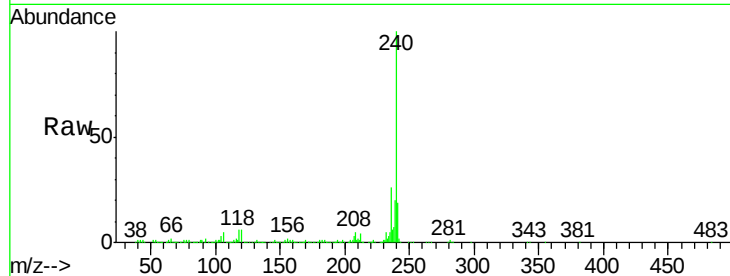
Tot Ion:240 Resp: 456928

Ion Ratio Lower Upper

240 100

120 6.2 5.0 7.6

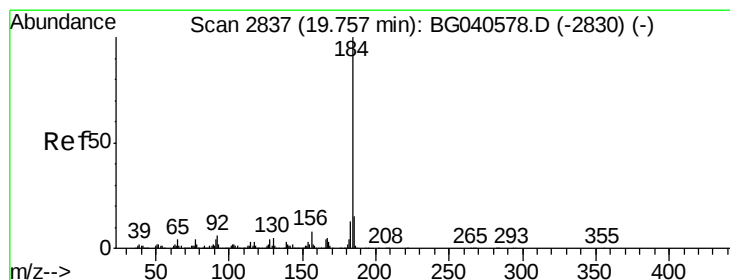
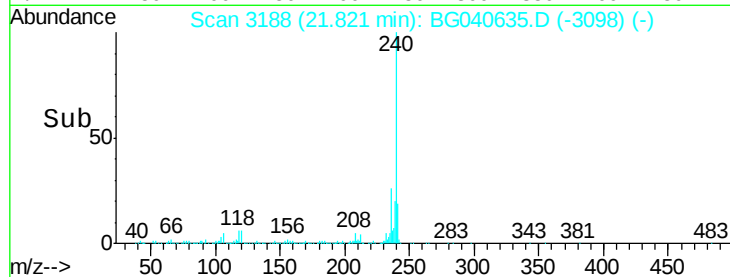
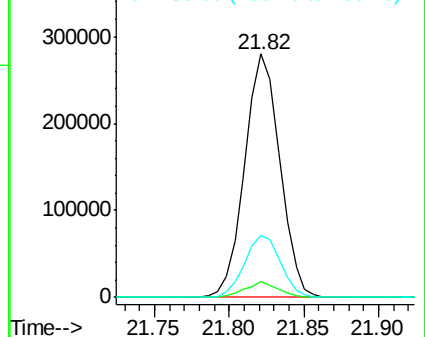
236 25.6 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 2.548 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

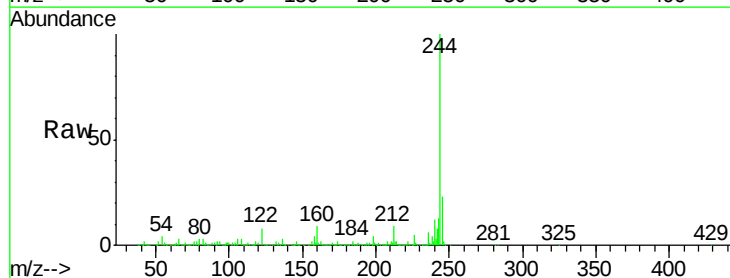
Tgt Ion:184 Resp: 31877

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.8

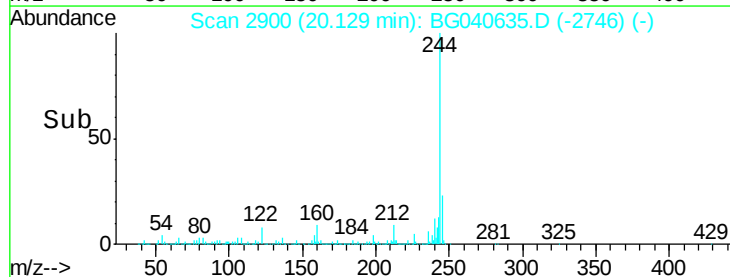
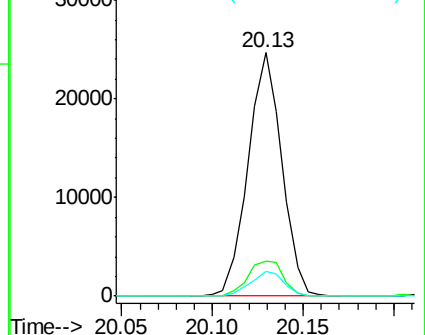
183 10.1 10.2 15.2#

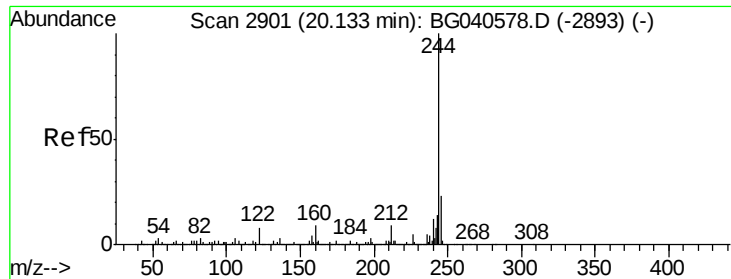


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 77.102 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_G

ClientSampleId :

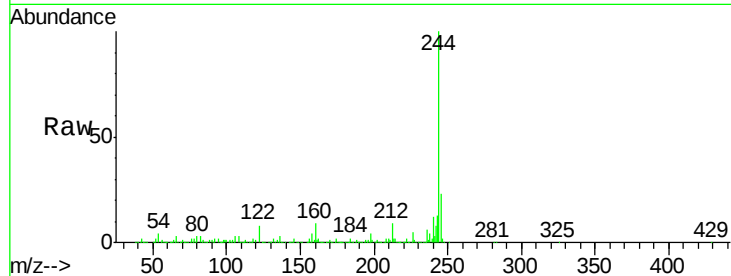
Tot Ion:244 Resp: 1590215

Ion Ratio Lower Upper

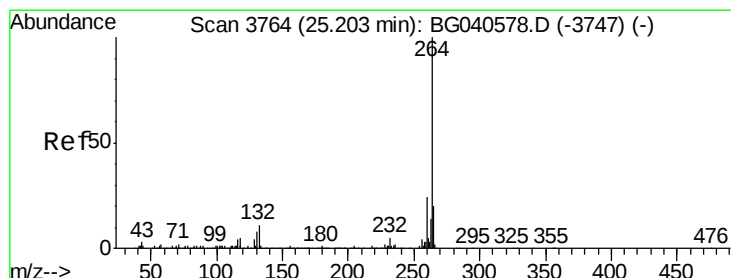
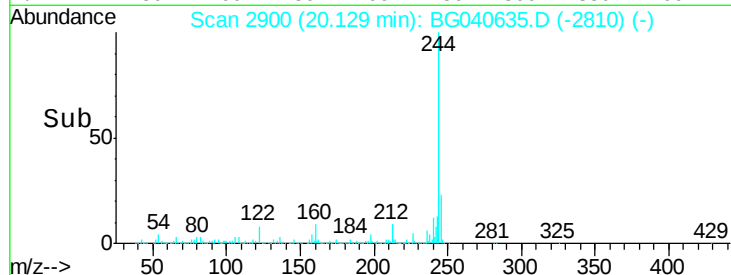
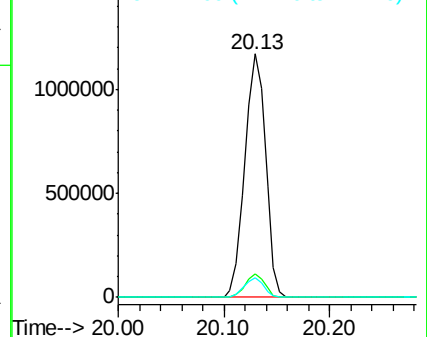
244 100

212 9.4 7.2 10.8

122 7.8 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: 25.21 min Scan# 3764

Delta R.T. 0.00 min

Lab File: BG040635.D

Acq: 26 Apr 2019 18:44

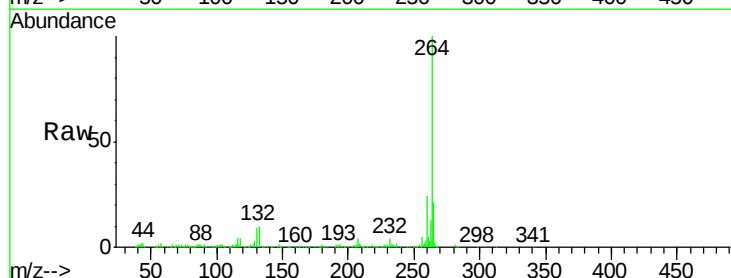
Tgt Ion:264 Resp: 482949

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.7 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

