

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040661.D
 Acq On : 29 Apr 2019 14:48
 Operator : JU/SJ
 Sample : PB119233BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:46:51 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

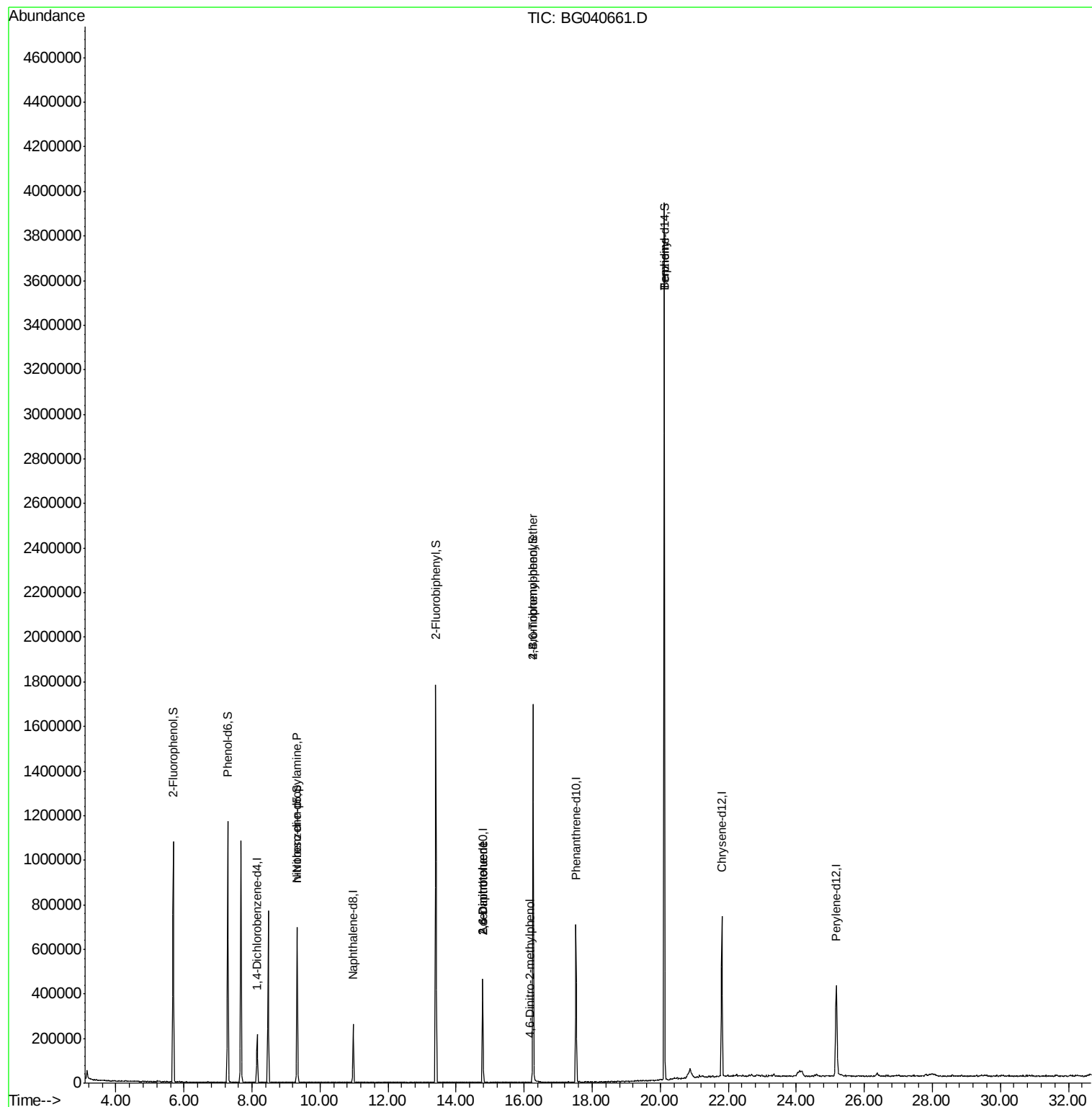
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	53370	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	204035	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	150685	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	423214	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	433651	20.00	ng	-0.01
87) Perylene-d12	25.18	264	465434	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	384338	126.94	ng	0.00
7) Phenol-d6	7.29	99	560306	120.19	ng	0.00
23) Nitrobenzene-d5	9.33	82	397210	89.95	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	300003	144.85	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	856781	82.12	ng	-0.01
79) Terphenyl-d14	20.12	244	1733189	88.54	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.29	77	1610	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	59513	14.182 ng	#	75
51) 2,6-Dinitrotoluene	14.78	165	19442	7.901 ng	#	14
57) 2,4-Dinitrotoluene	14.78	165	19442	5.815 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.17	198	55	7.124 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	22625	4.291 ng	#	1
77) Benizidine	20.12	184	32008	2.696 ng		95

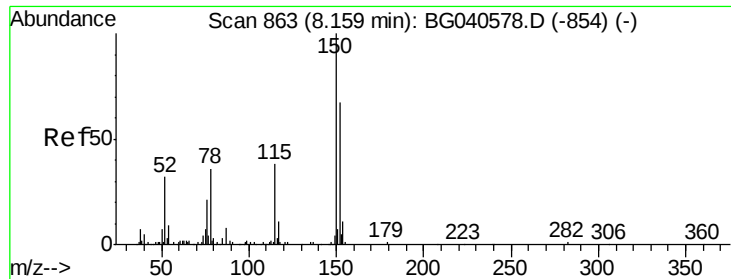
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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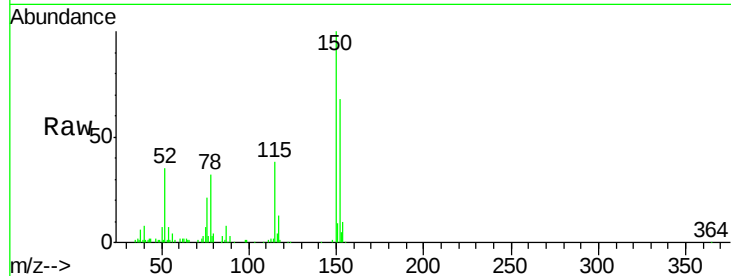


#1

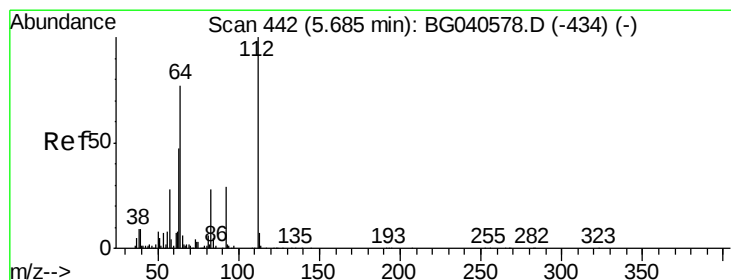
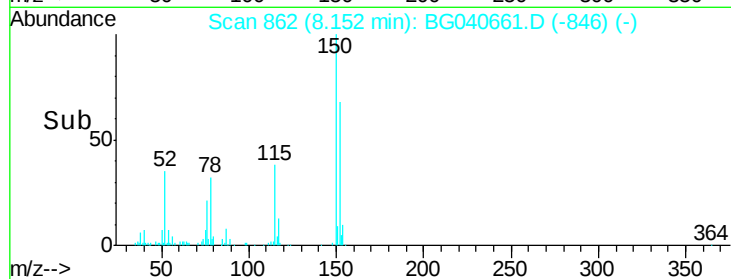
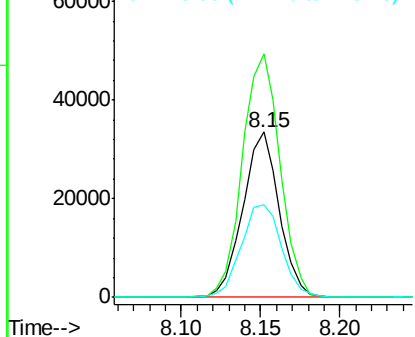
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.01 min
Lab File: BG040661.D
Acq: 29 Apr 2019 14:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53370
Ion Ratio Lower Upper
152 100
150 147.3 120.2 180.2
115 56.1 46.2 69.2



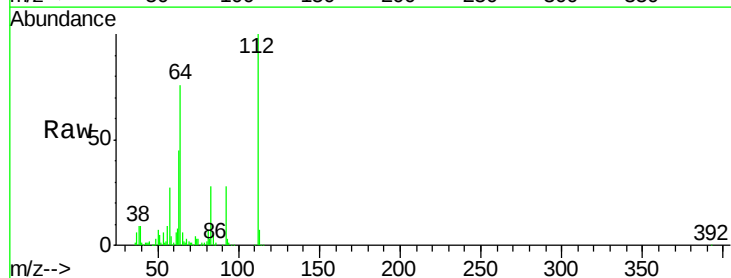
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



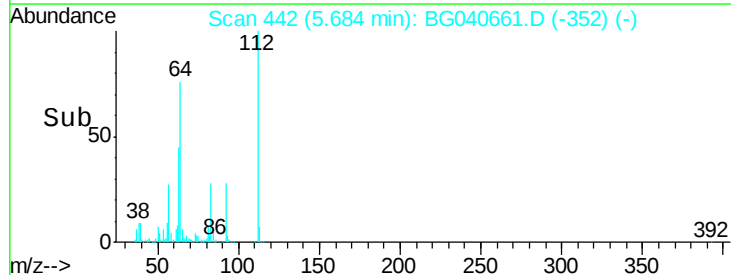
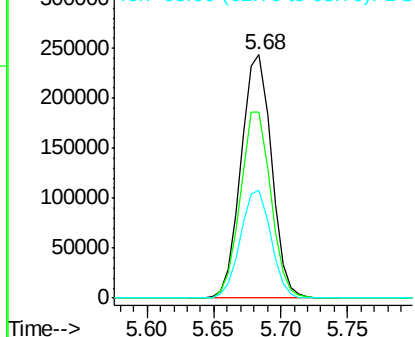
#5

2-Fluorophenol
Concen: 126.944 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040661.D
Acq: 29 Apr 2019 14:48

Tgt Ion:112 Resp: 384338
Ion Ratio Lower Upper
112 100
64 76.3 61.4 92.0
63 44.5 37.8 56.6



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





#7

Phenol-d6

Concen: 120.194 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

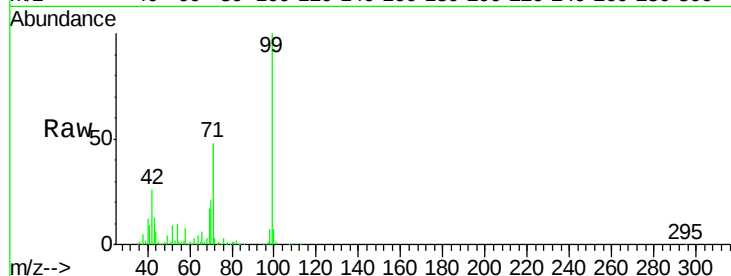
Tot Ion: 99 Resp: 560306

Ion Ratio Lower Upper

99 100

42 26.2 21.8 32.8

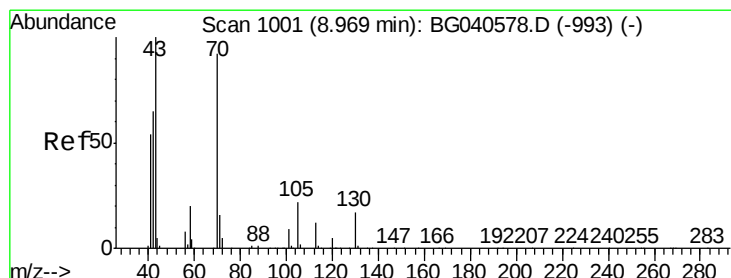
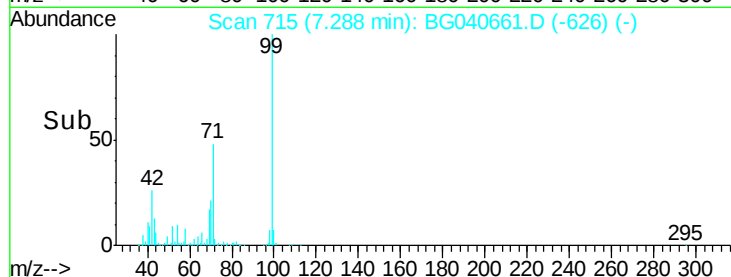
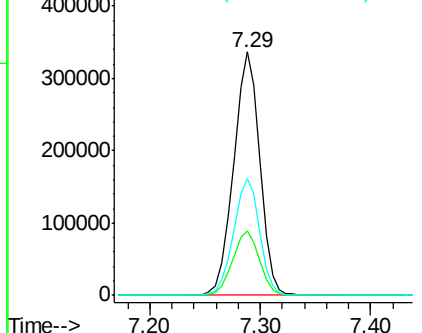
71 48.0 38.6 57.8



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: 14.182 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Tgt Ion: 70 Resp: 59513

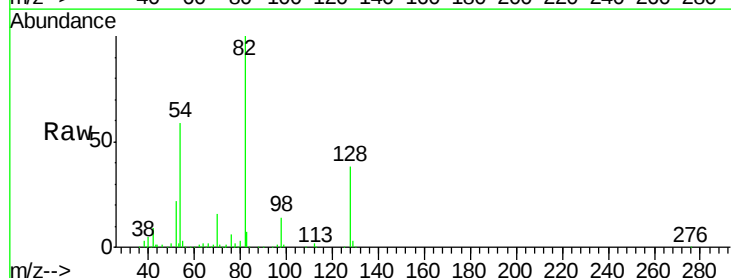
Ion Ratio Lower Upper

70 100

42 53.7 57.1 85.7#

101 0.0 7.8 11.8#

130 2.2 14.6 21.8#

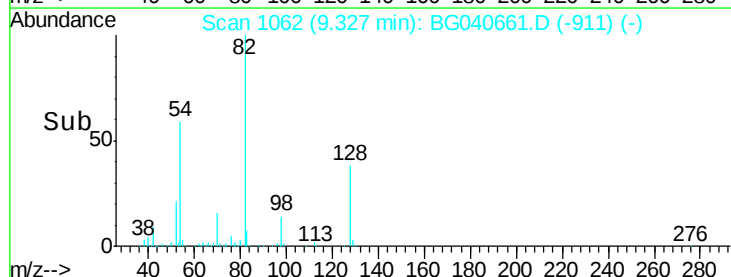
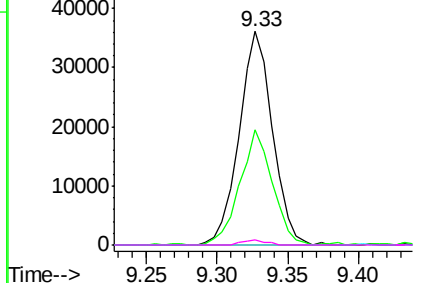


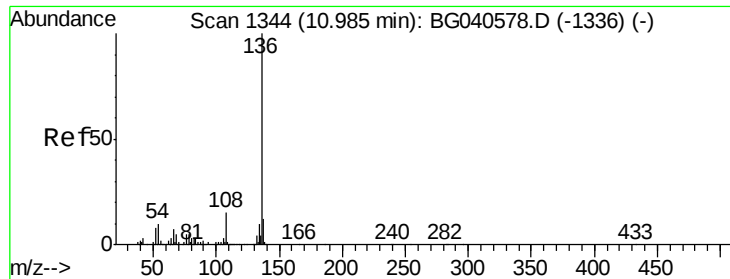
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 204035

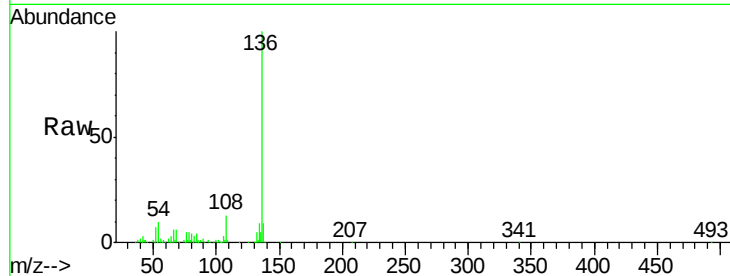
Ion Ratio Lower Upper

136 100

137 9.5 9.7 14.5#

54 9.7 8.6 12.8

68 5.7 4.8 7.2

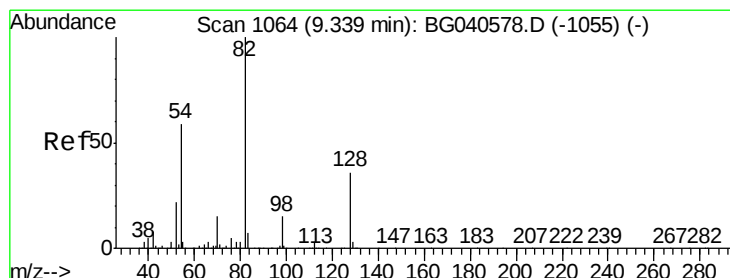
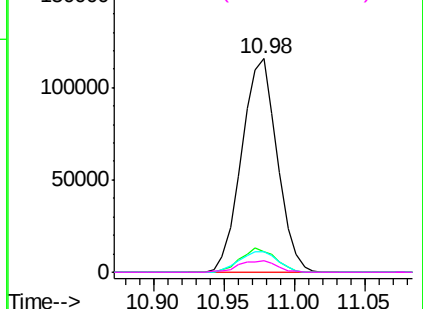
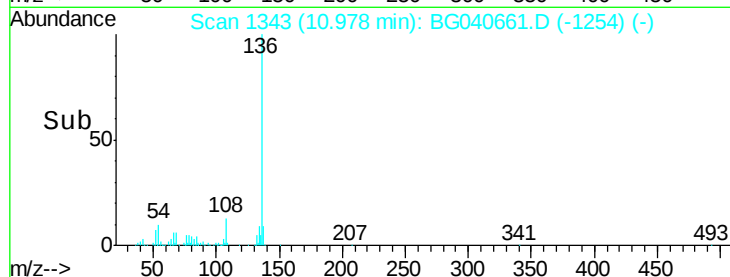


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.953 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

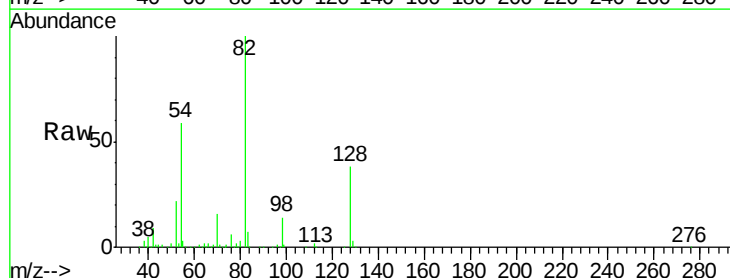
Tgt Ion: 82 Resp: 397210

Ion Ratio Lower Upper

82 100

128 37.8 28.9 43.3

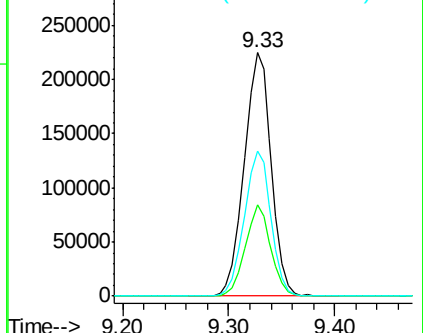
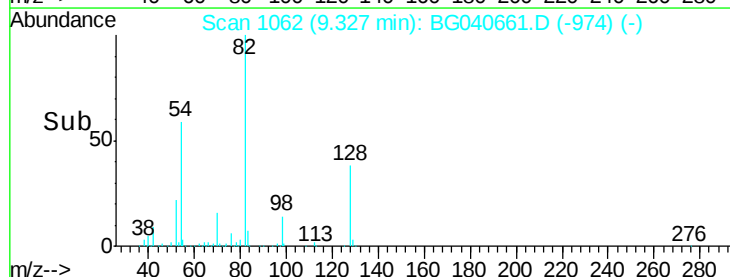
54 59.4 47.2 70.8

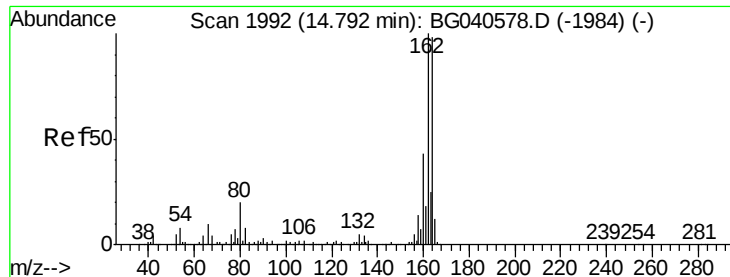


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampled :

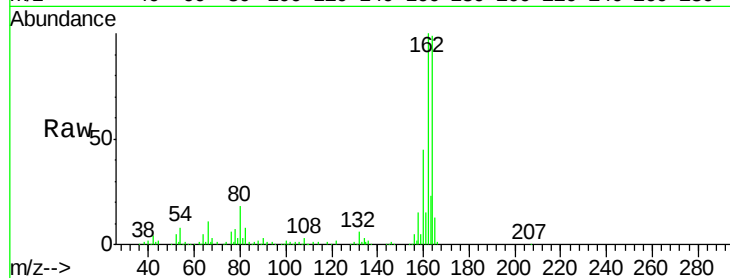
Tot Ion:164 Resp: 150685

Ion Ratio Lower Upper

164 100

162 101.3 81.9 122.9

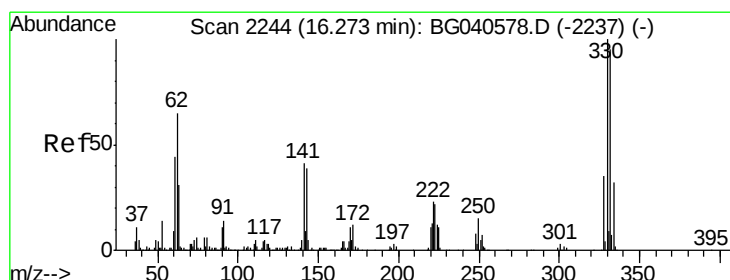
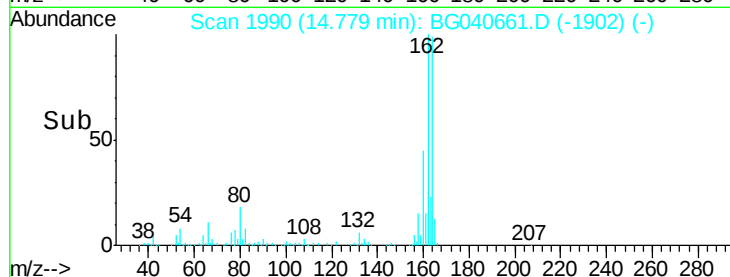
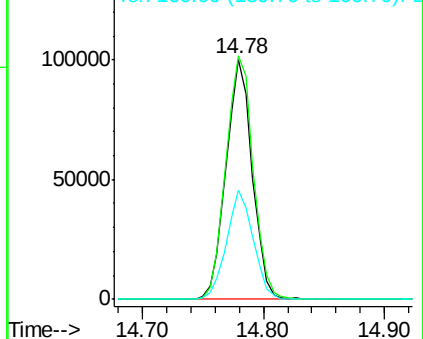
160 45.3 35.4 53.2



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: 144.845 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

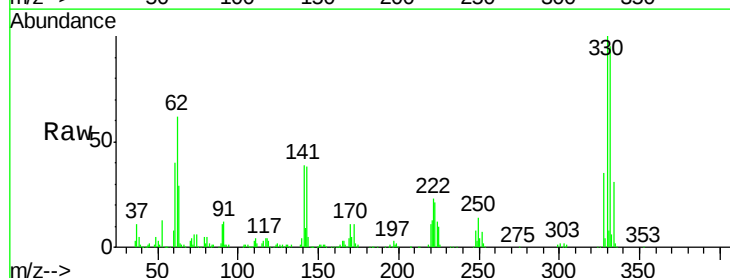
Tgt Ion:330 Resp: 300003

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

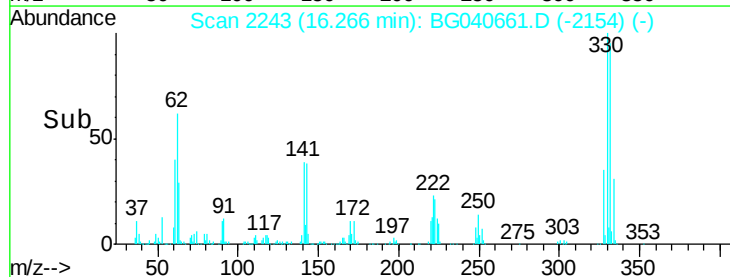
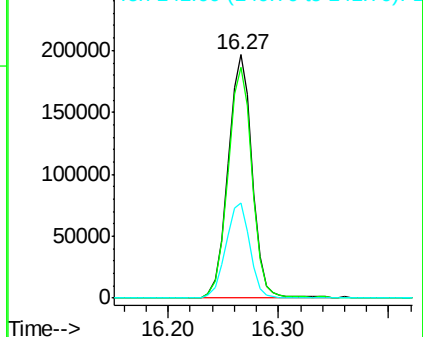
141 39.4 32.4 48.6

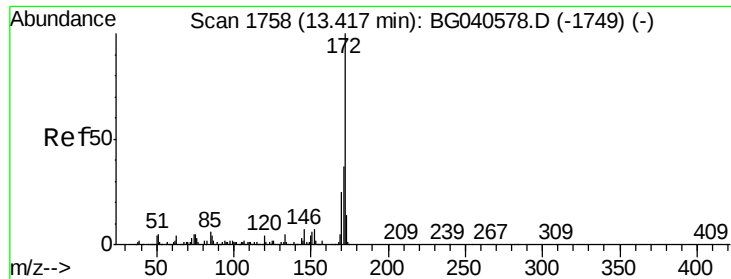


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 82.116 ng

RT: 13.40 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

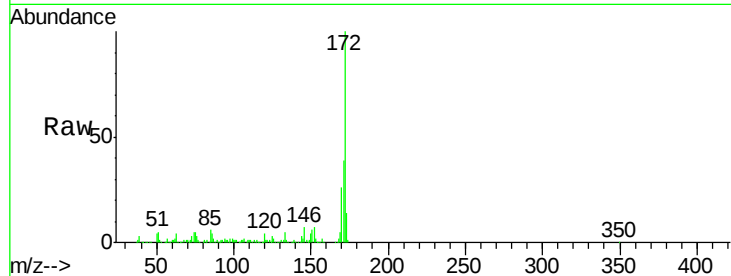
Tot Ion:172 Resp: 856781

Ion Ratio Lower Upper

172 100

171 38.7 29.4 44.2

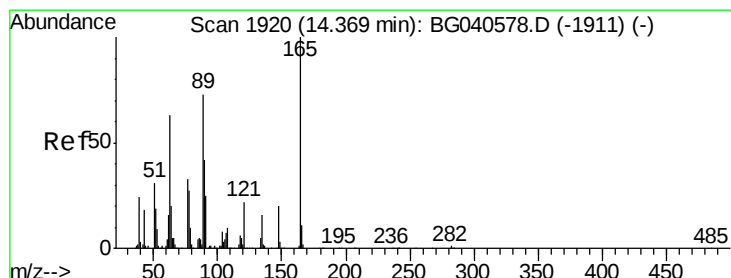
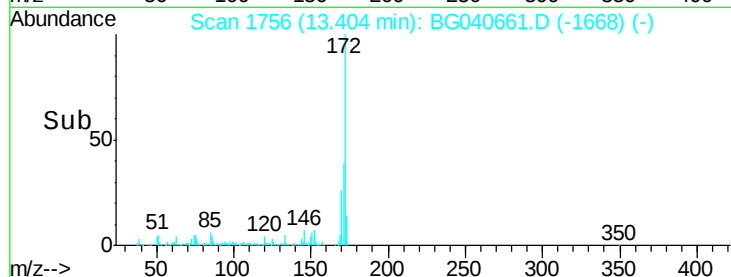
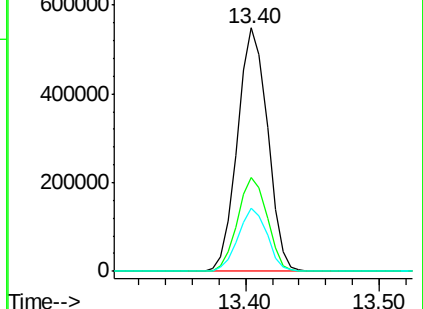
170 25.8 19.9 29.9



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: 7.901 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

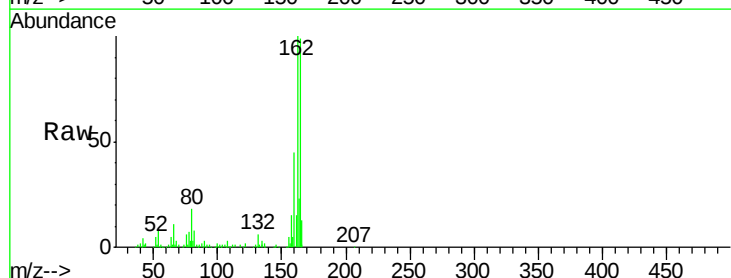
Tgt Ion:165 Resp: 19442

Ion Ratio Lower Upper

165 100

63 1.3 61.0 91.4#

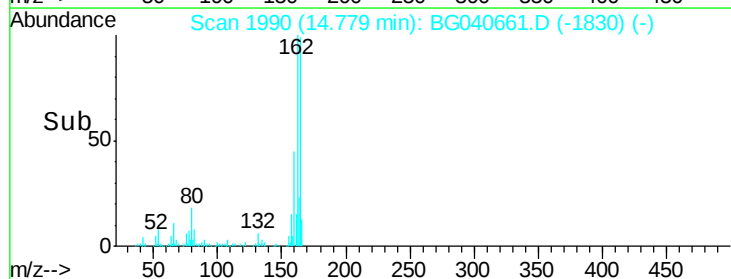
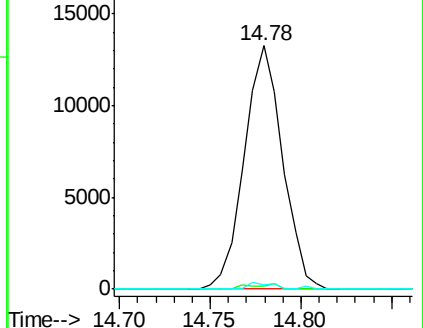
89 1.7 58.6 87.8#



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: 5.815 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.37 min

Lab File: BG040661.D

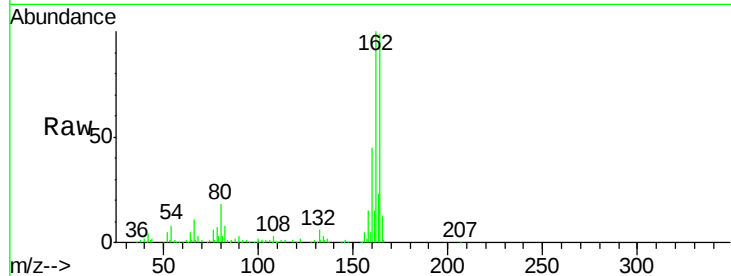
Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	19442
Ion Ratio	Lower	Upper
165	100	
63	1.3	45.8 68.8#
89	1.7	69.4 104.2#
182	0.0	2.2 3.4#

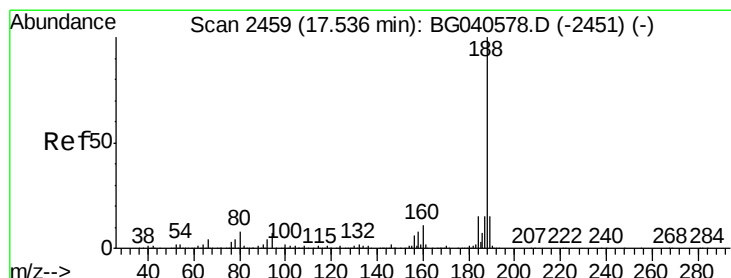
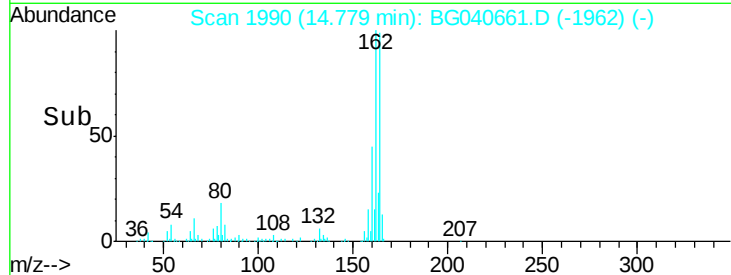
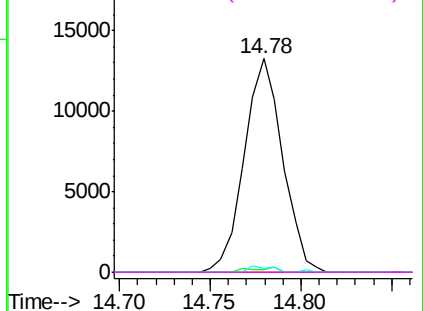


Abundance Ion 165.00 (164.70 to 165.70): E

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

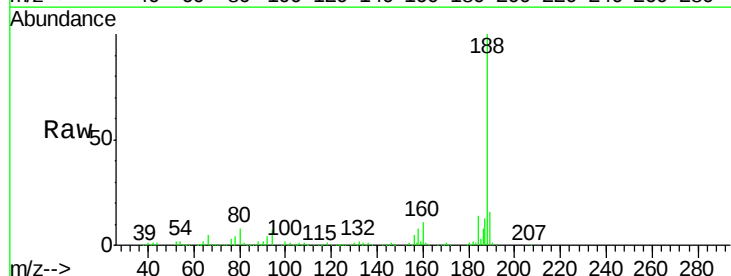
RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

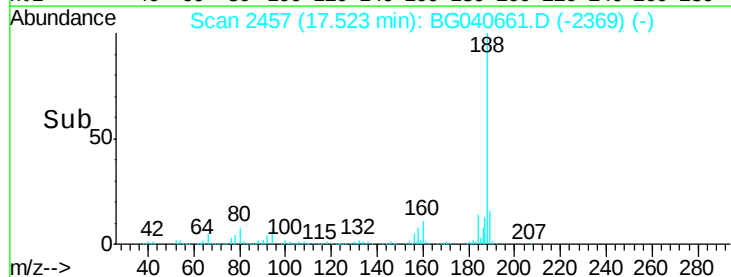
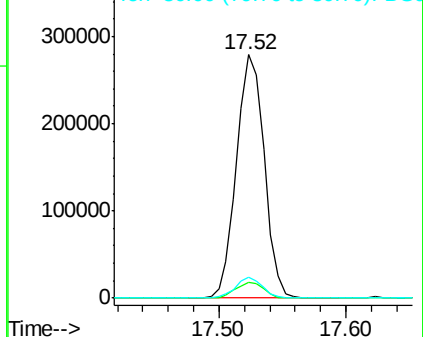
Tgt Ion:188	Resp:	423214
Ion Ratio	Lower	Upper
188	100	
94	6.6	5.6 8.4
80	8.3	6.4 9.6

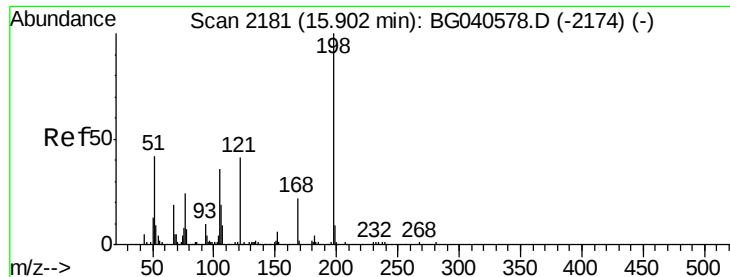


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.124 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.26 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

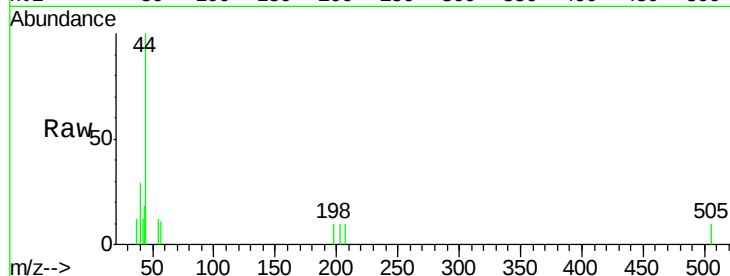
Tot Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

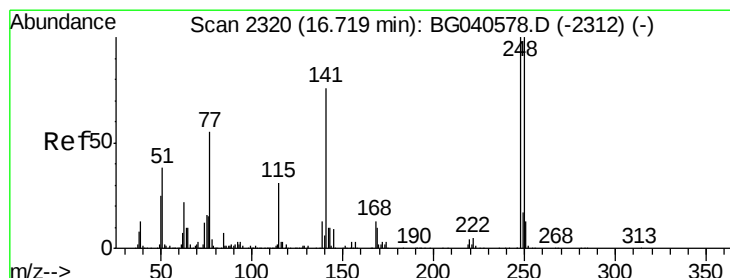
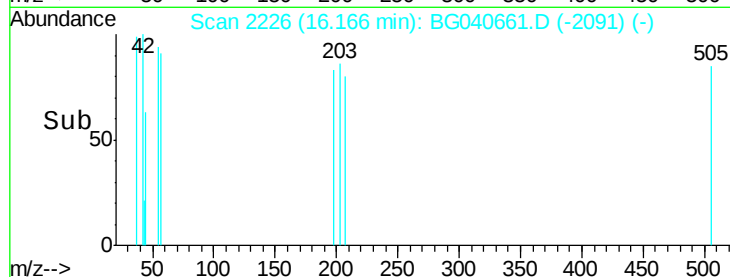
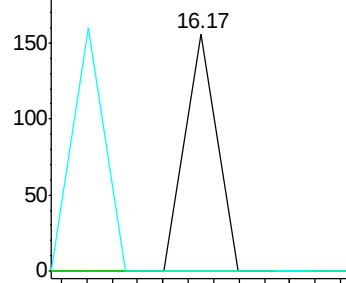
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG040578.D (-2174) (-)

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.291 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

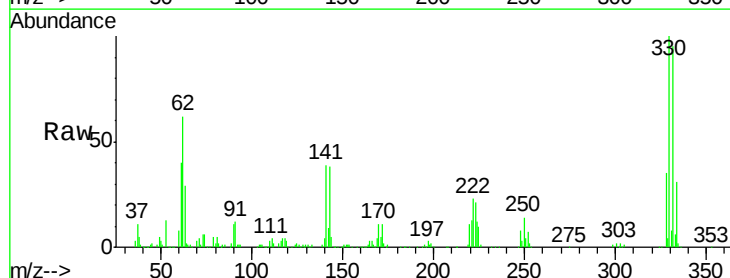
Tgt Ion:248 Resp: 22625

Ion Ratio Lower Upper

248 100

250 218.7 79.8 119.6#

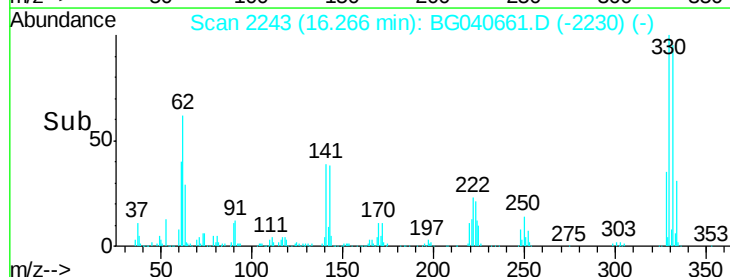
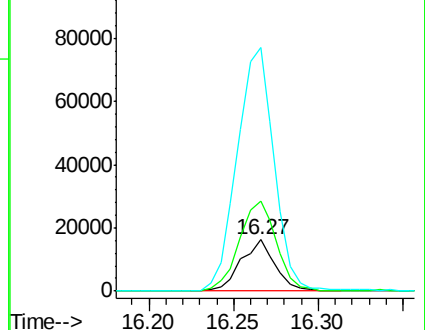
141 475.8 60.8 91.2#

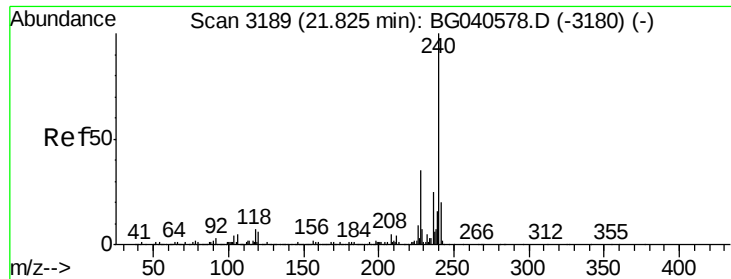


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

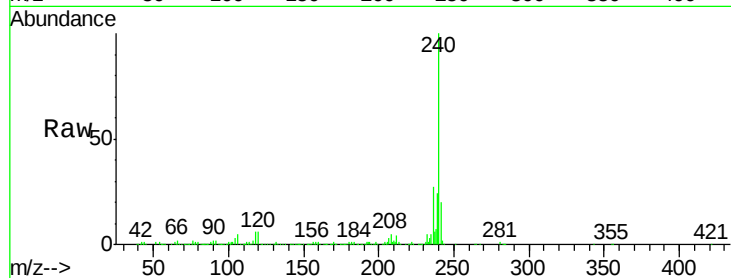
Tot Ion:240 Resp: 433651

Ion Ratio Lower Upper

240 100

120 5.6 5.0 7.6

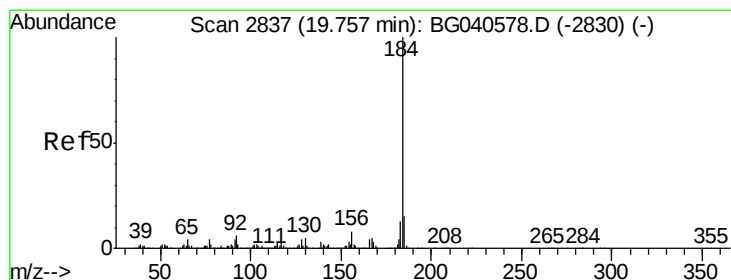
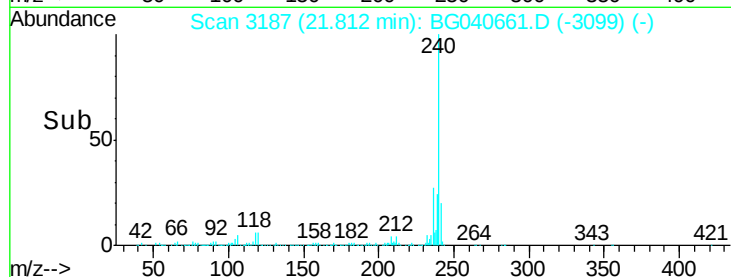
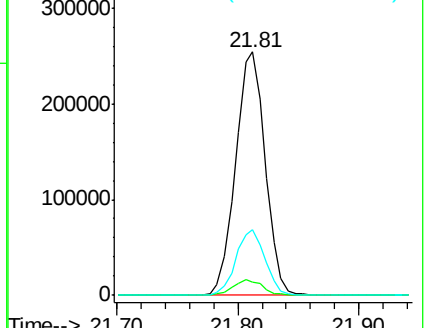
236 27.2 20.3 30.5



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: 2.696 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

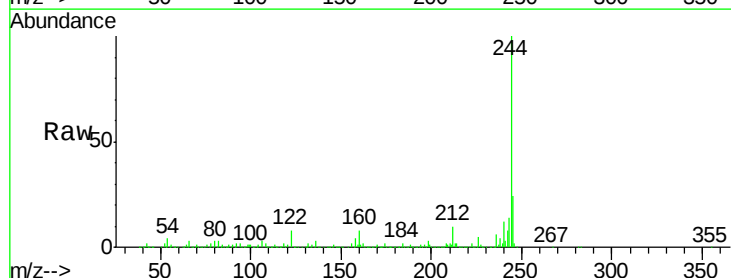
Tgt Ion:184 Resp: 32008

Ion Ratio Lower Upper

184 100

185 17.1 11.8 17.8

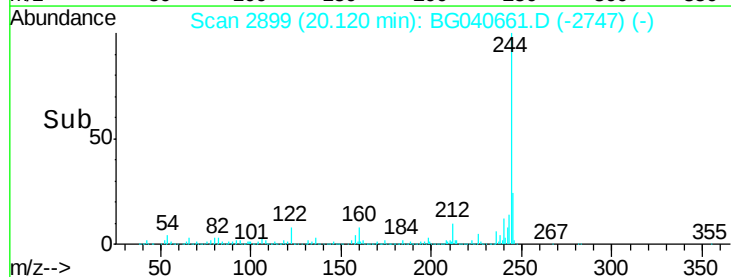
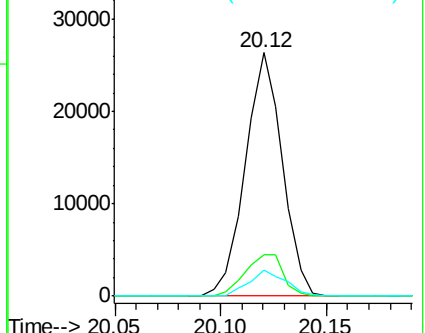
183 10.6 10.2 15.2

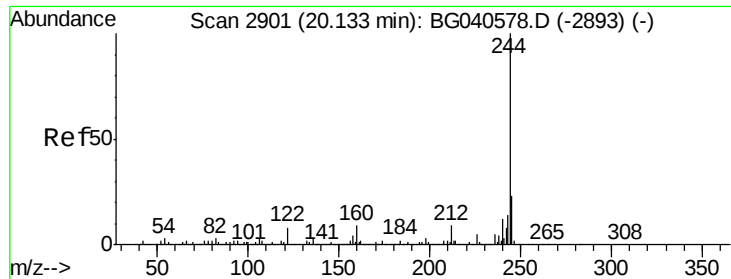


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.545 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

Instrument :

BNA_G

ClientSampleId :

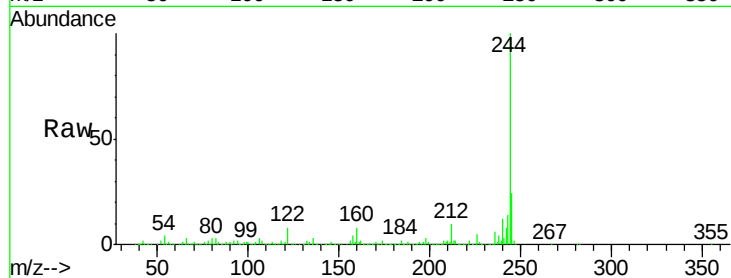
Tot Ion:244 Resp: 1733189

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.2	10.8
122	8.5	6.6	10.0

244 100

212 9.6 7.2 10.8

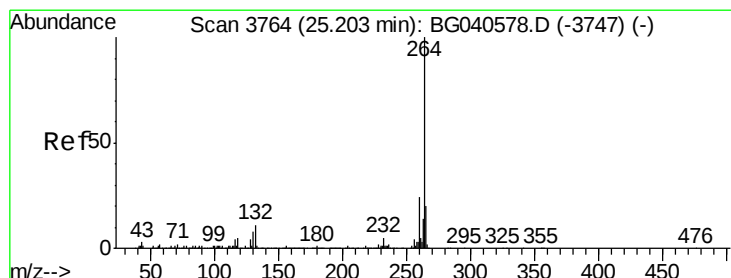
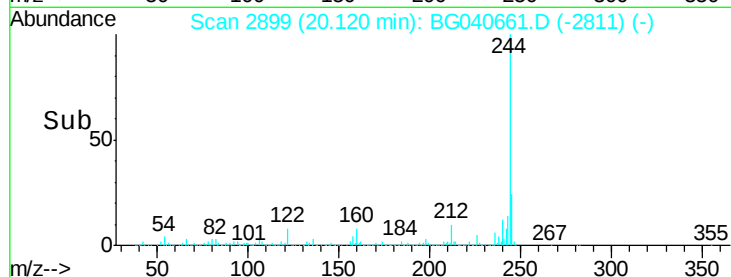
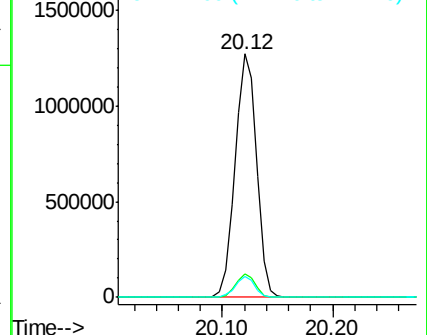
122 8.5 6.6 10.0



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: 25.18 min Scan# 3760

Delta R.T. -0.02 min

Lab File: BG040661.D

Acq: 29 Apr 2019 14:48

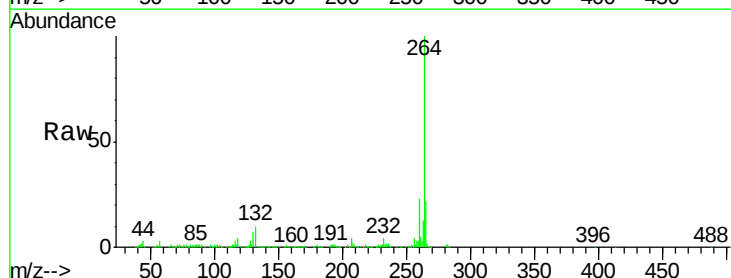
Tgt Ion:264 Resp: 465434

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.1	16.6	25.0

264 100

260 22.8 19.2 28.8

265 22.1 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

