

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040668.D
 Acq On : 29 Apr 2019 19:11
 Operator : JU/SJ
 Sample : K2572-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:48:27 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

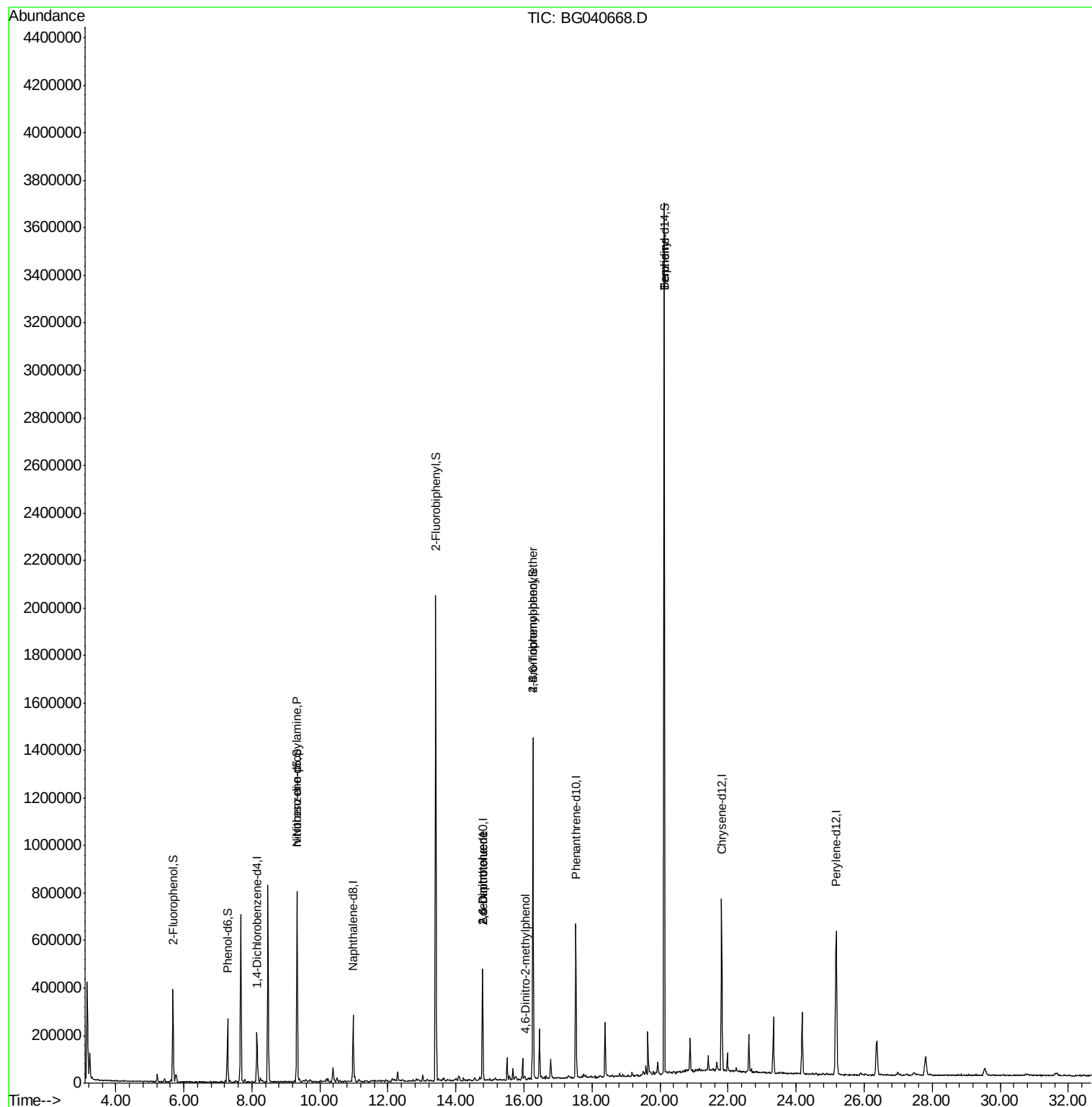
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	52343	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	209240	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	158598	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	398119	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	410747	20.00	ng	-0.01
87) Perylene-d12	25.18	264	430626	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	139507	46.98	ng	0.00
7) Phenol-d6	7.28	99	130411	28.52	ng	-0.01
23) Nitrobenzene-d5	9.33	82	470105	103.81	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	224432	102.95	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	977582	89.02	ng	0.00
79) Terphenyl-d14	20.12	244	1663007	89.70	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	674	Below Cal		Qvalue # 55
19) n-Nitroso-di-n-propylamine	9.33	70	68848	16.729 ng	#	76
51) 2,6-Dinitrotoluene	14.78	165	20012	7.727 ng	#	15
57) 2,4-Dinitrotoluene	14.78	165	20012	5.687 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.04	198	75	7.134 ng	#	16
67) 4-Bromophenyl-phenylether	16.26	248	17356	3.499 ng	#	1
77) Benizidine	20.12	184	32321	2.874 ng	#	92

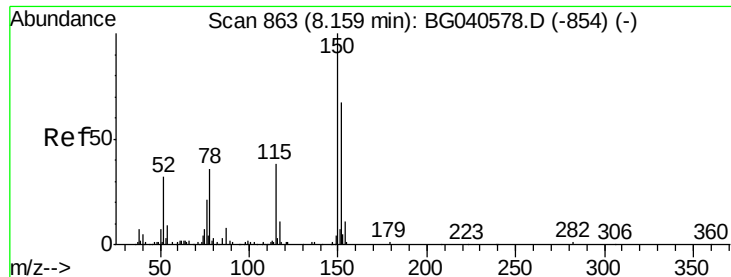
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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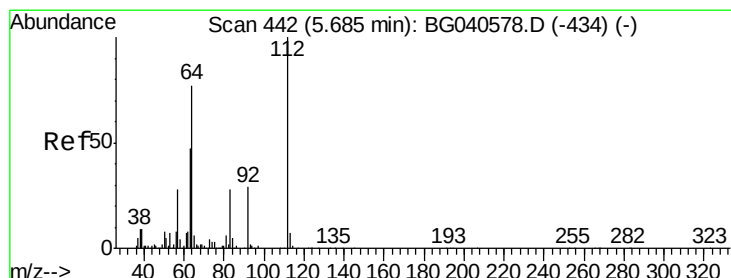
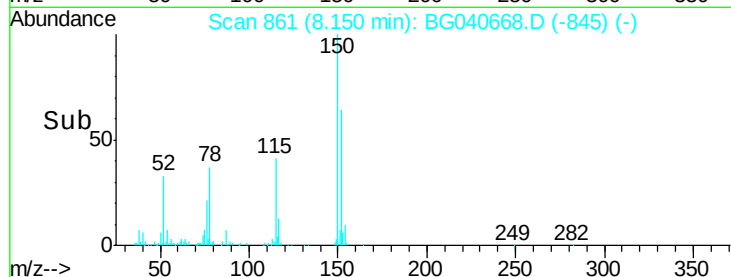
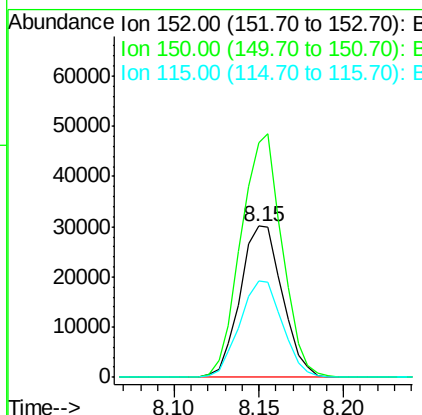
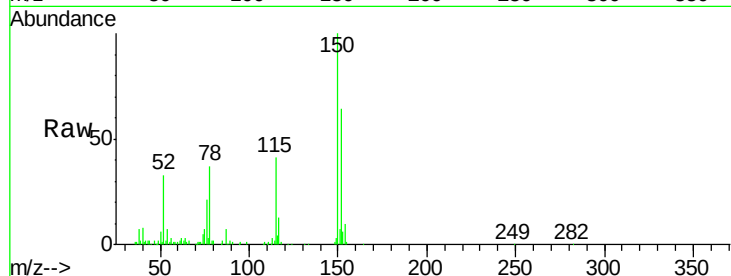


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BG040668.D
 Acq: 29 Apr 2019 19:11

Instrument :
 BNA_G
 ClientSampleId :

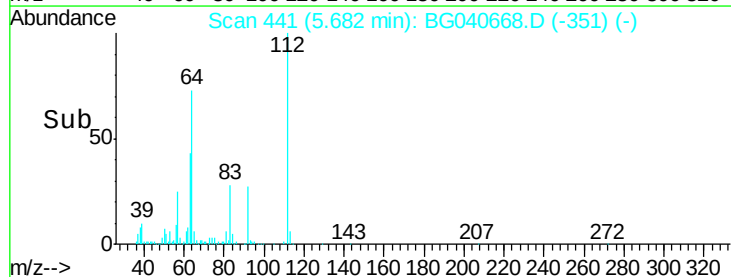
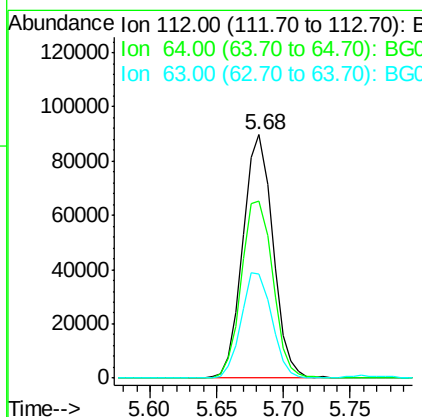
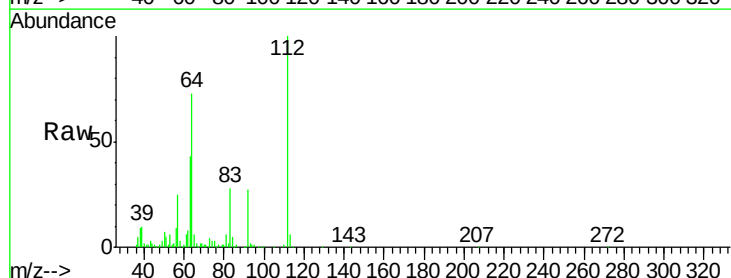
Tot Ion:152 Resp: 52343
 Ion Ratio Lower Upper
 152 100
 150 155.1 120.2 180.2
 115 63.4 46.2 69.2

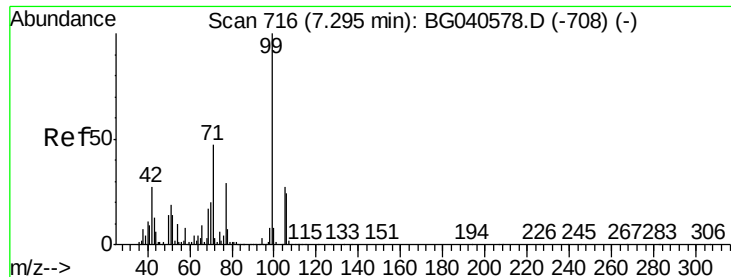


#5

2-Fluorophenol
 Concen: 46.982 ng
 RT: 5.68 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: BG040668.D
 Acq: 29 Apr 2019 19:11

Tgt Ion:112 Resp: 139507
 Ion Ratio Lower Upper
 112 100
 64 72.5 61.4 92.0
 63 42.6 37.8 56.6





#7

Phenol-d6

Concen: 28.524 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

Instrument :

BNA_G

ClientSampled :

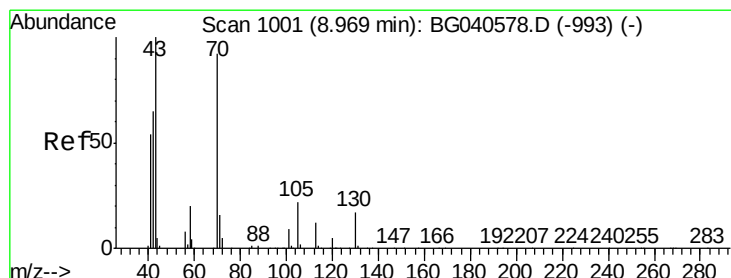
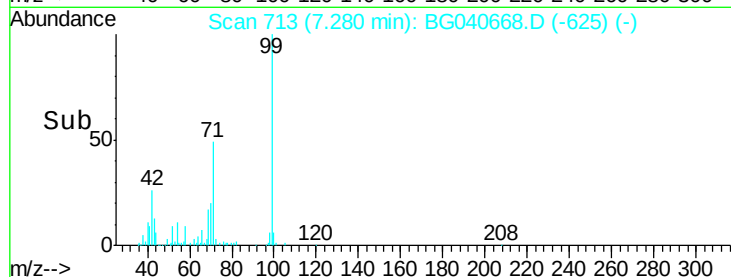
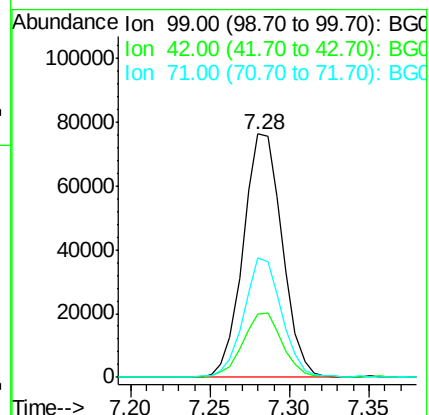
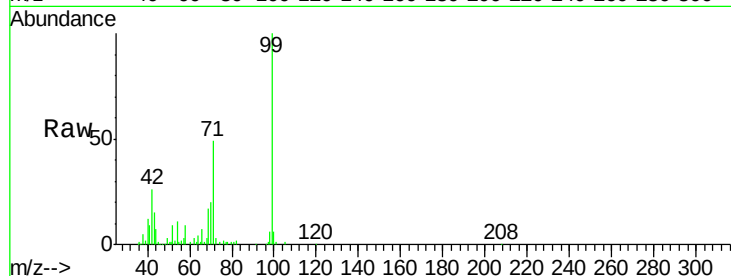
Tot Ion: 99 Resp: 130411

Ion Ratio Lower Upper

99 100

42 25.8 21.8 32.8

71 48.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.729 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

Tgt Ion: 70 Resp: 68848

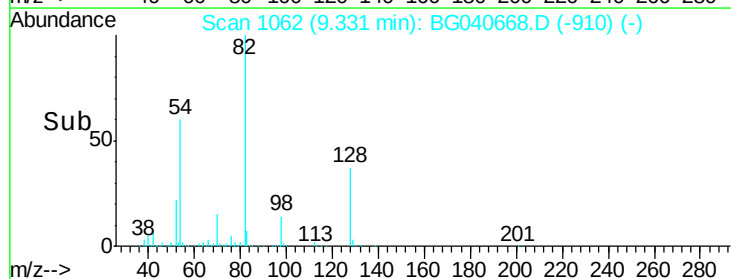
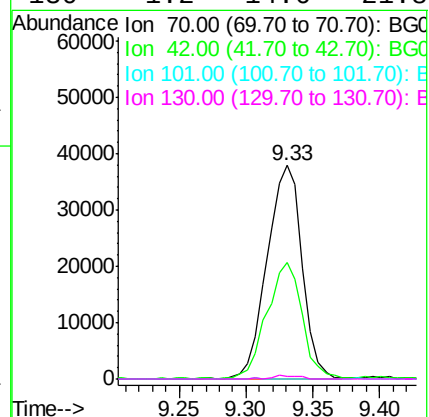
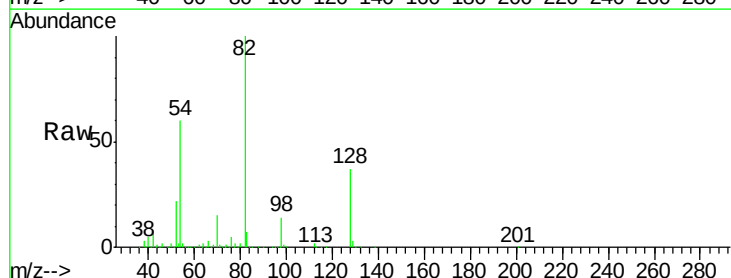
Ion Ratio Lower Upper

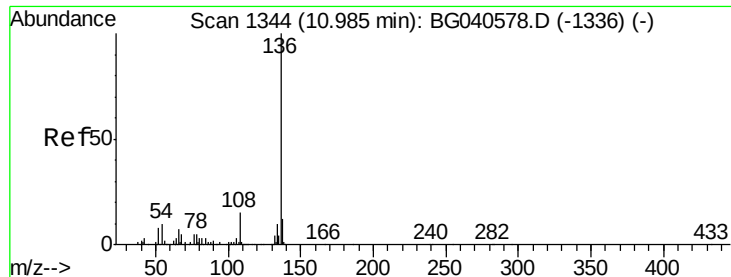
70 100

42 54.5 57.1 85.7#

101 0.0 7.8 11.8#

130 1.2 14.6 21.8#

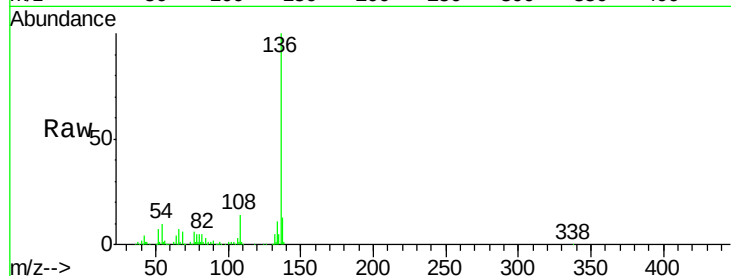




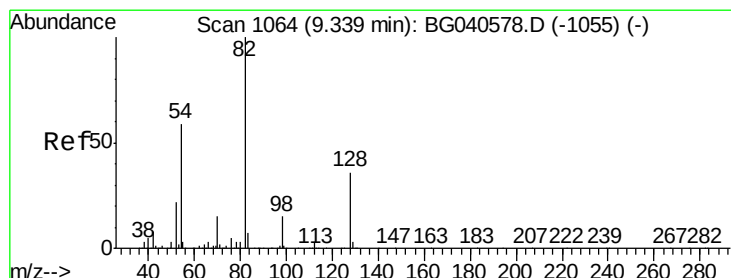
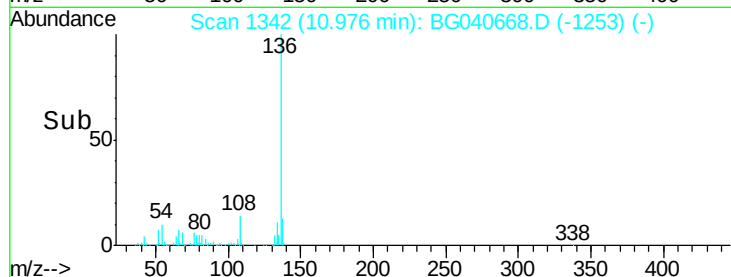
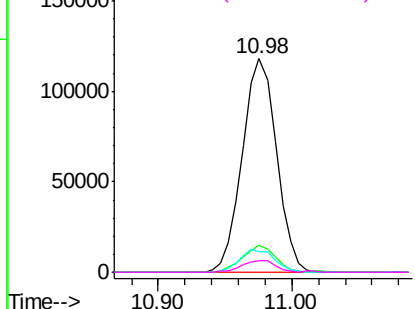
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040668.D
Acq: 29 Apr 2019 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	209240
Ion Ratio	Lower	Upper
136	100	
137	12.6	9.7 14.5
54	9.6	8.6 12.8
68	5.5	4.8 7.2

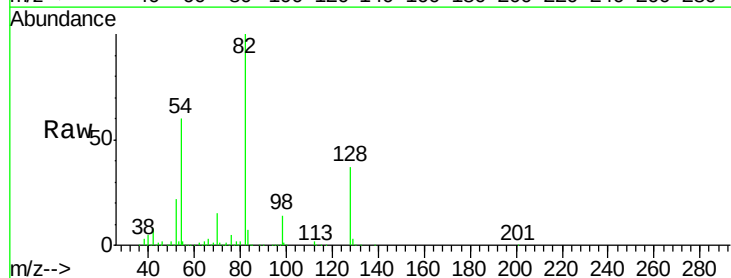


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

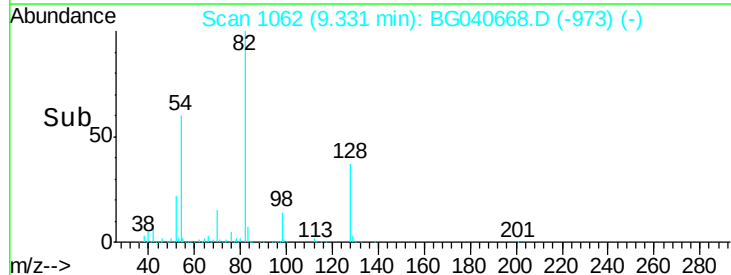
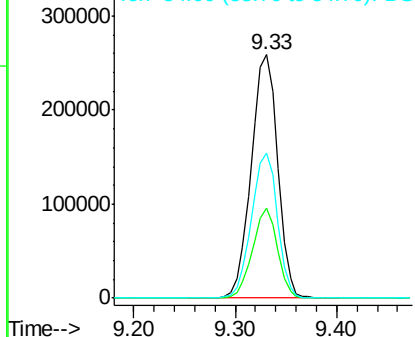


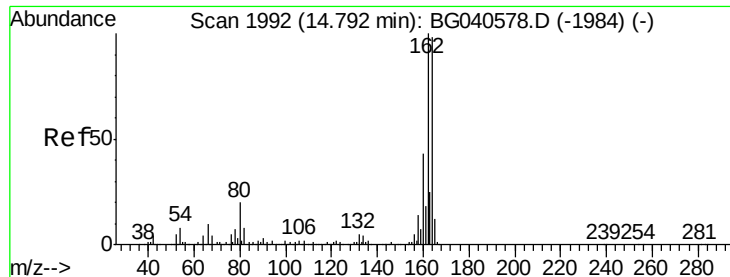
#23
Nitrobenzene-d5
Concen: 103.813 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040668.D
Acq: 29 Apr 2019 19:11

Tgt Ion: 82	Resp:	470105
Ion Ratio	Lower	Upper
82	100	
128	37.0	28.9 43.3
54	59.7	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: BG040668.D

Acq: 29 Apr 2019 19:11

Instrument :

BNA_G

ClientSampleId :

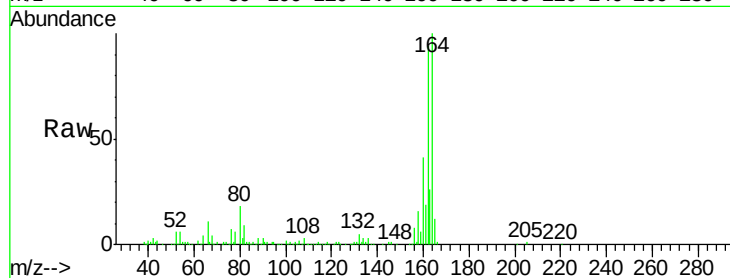
Tot Ion:164 Resp: 158598

Ion Ratio Lower Upper

164 100

162 93.7 81.9 122.9

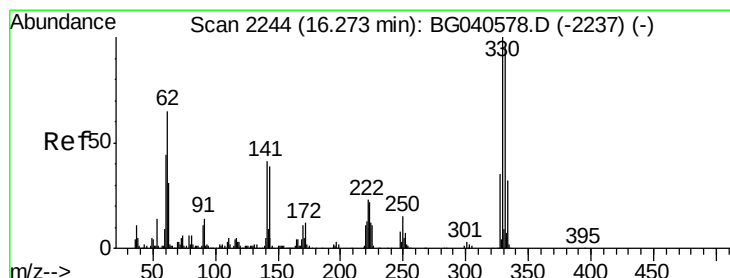
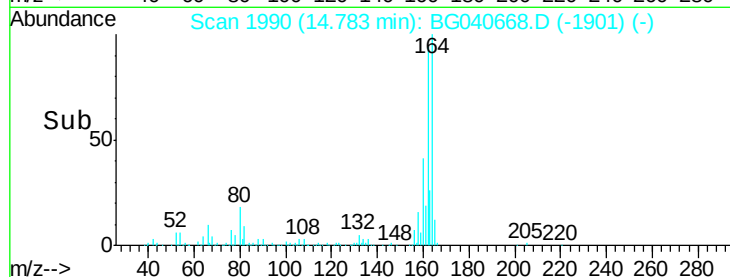
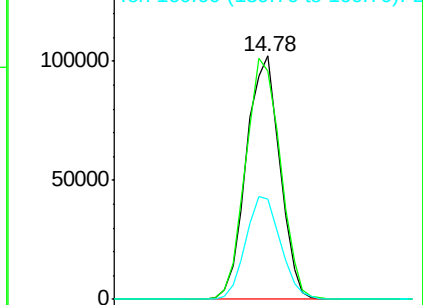
160 41.2 35.4 53.2



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: 102.952 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

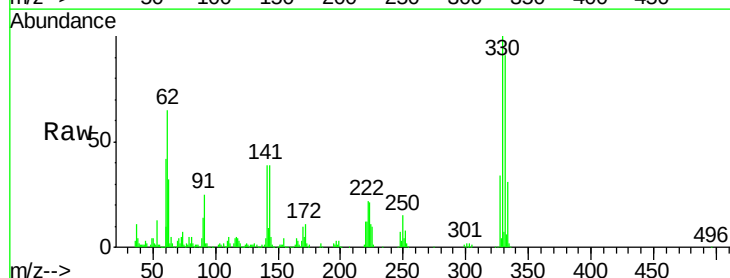
Tgt Ion:330 Resp: 224432

Ion Ratio Lower Upper

330 100

332 94.1 75.9 113.9

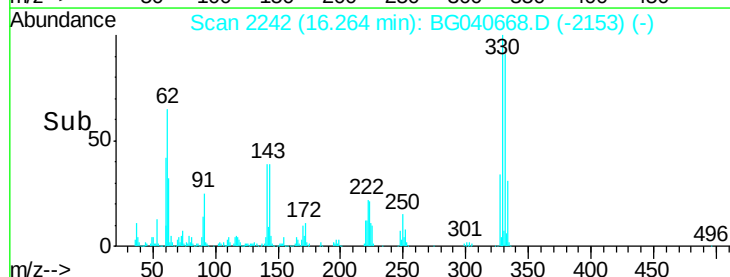
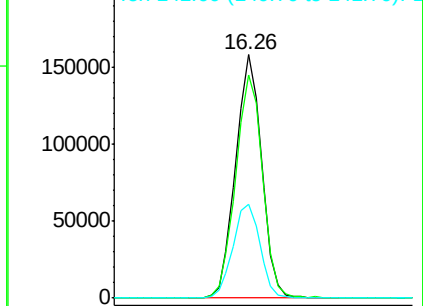
141 40.2 32.4 48.6

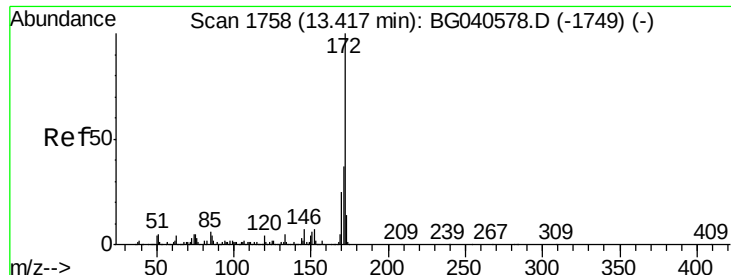


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

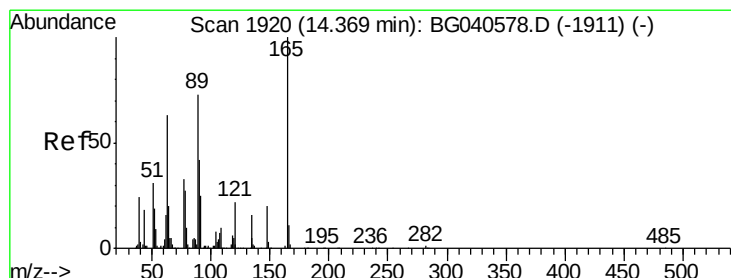
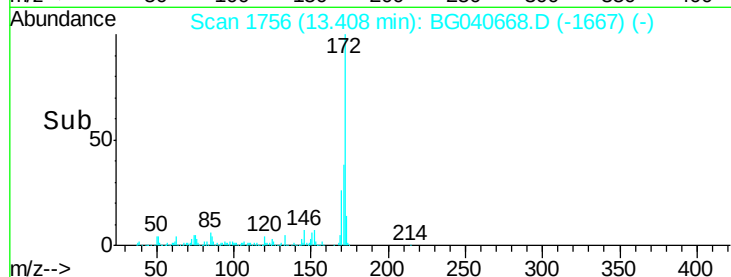
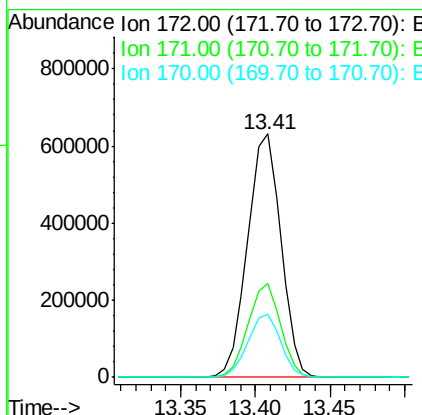
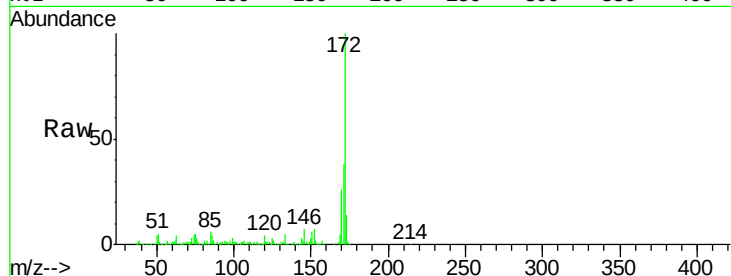




#45
2-Fluorobiphenyl
Concen: 89.019 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040668.D
Acq: 29 Apr 2019 19:11

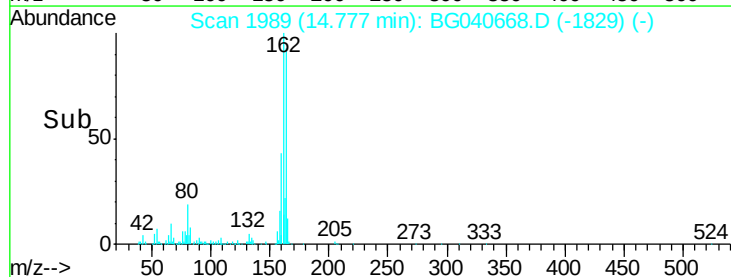
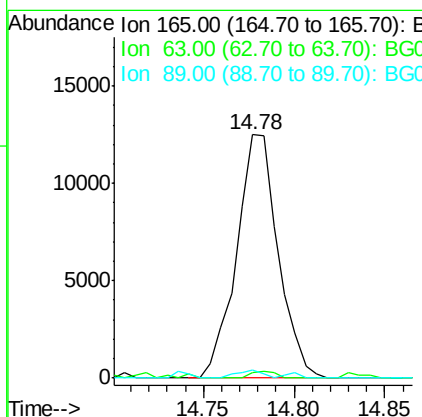
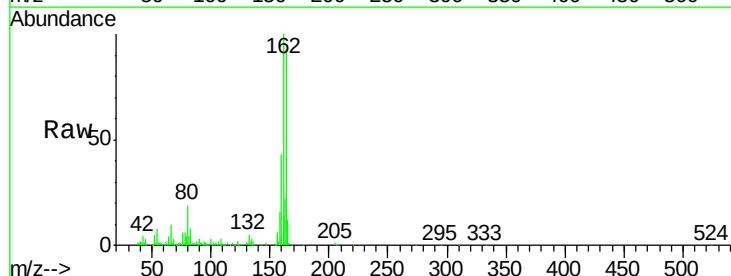
Instrument :
BNA_G
ClientSampled :

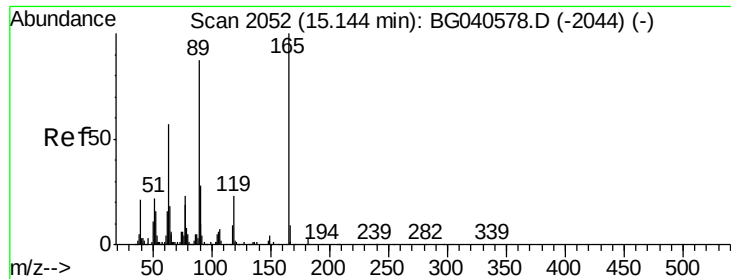
Tot Ion:172 Resp: 977582
Ion Ratio Lower Upper
172 100
171 38.5 29.4 44.2
170 25.8 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 7.727 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040668.D
Acq: 29 Apr 2019 19:11

Tgt Ion:165 Resp: 20012
Ion Ratio Lower Upper
165 100
63 2.2 61.0 91.4#
89 3.6 58.6 87.8#

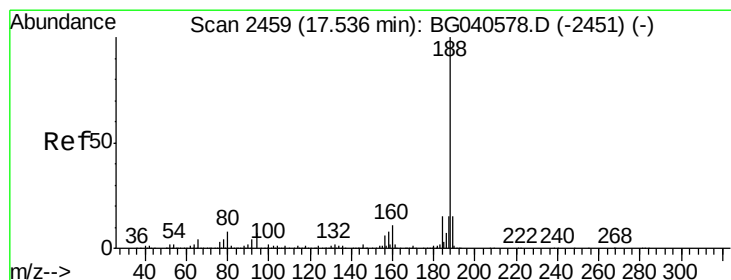
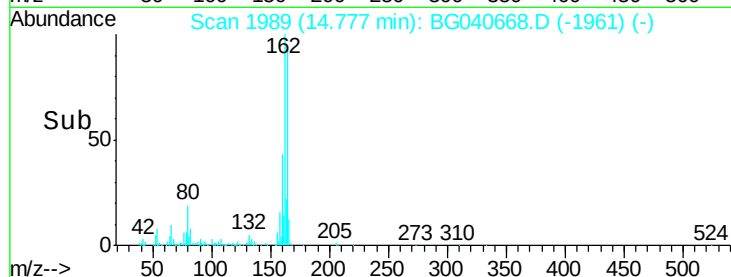
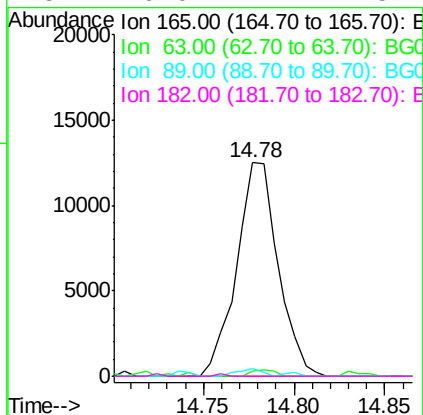
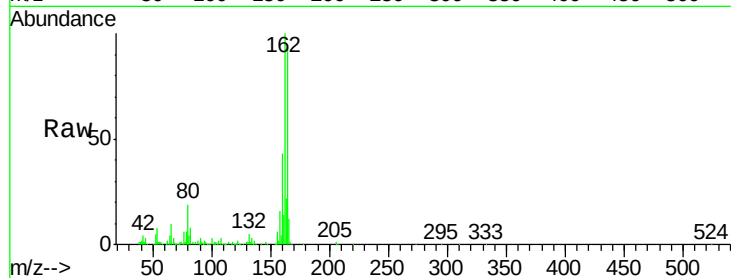




#57
 2,4-Dinitrotoluene
 Concen: 5.687 ng
 RT: 14.78 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040668.D
 Acq: 29 Apr 2019 19:11

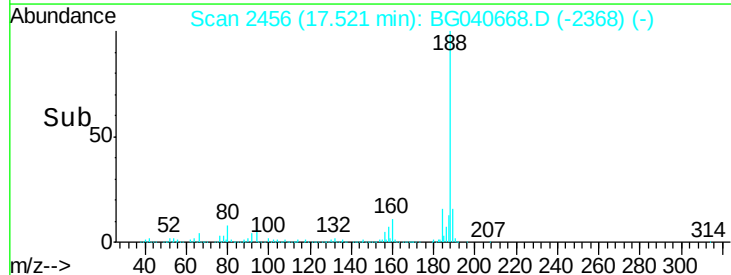
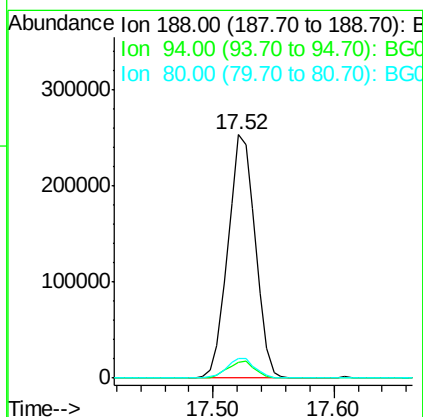
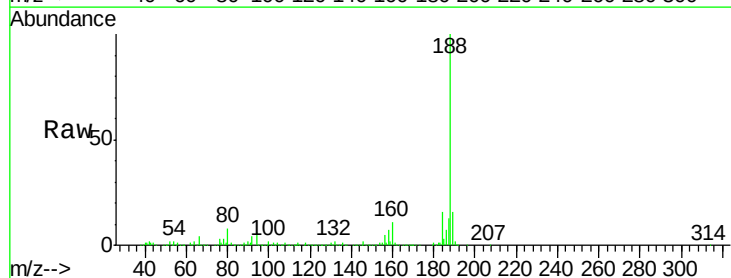
Instrument :
 BNA_G
 ClientSampleId :

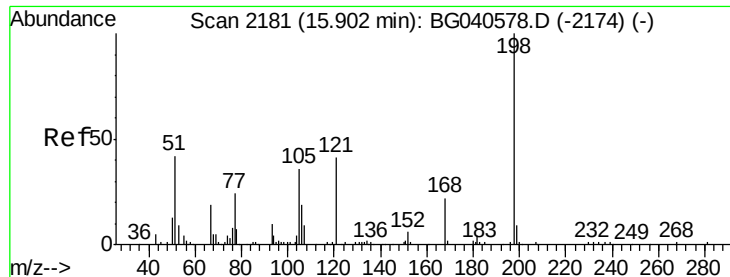
Tot Ion:165 Resp: 20012
 Ion Ratio Lower Upper
 165 100
 63 2.2 45.8 68.8#
 89 3.6 69.4 104.2#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BG040668.D
 Acq: 29 Apr 2019 19:11

Tgt Ion:188 Resp: 398119
 Ion Ratio Lower Upper
 188 100
 94 6.5 5.6 8.4
 80 8.2 6.4 9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.134 ng

RT: 16.04 min Scan# 2204

Delta R.T. 0.14 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

Instrument :

BNA_G

ClientSampled :

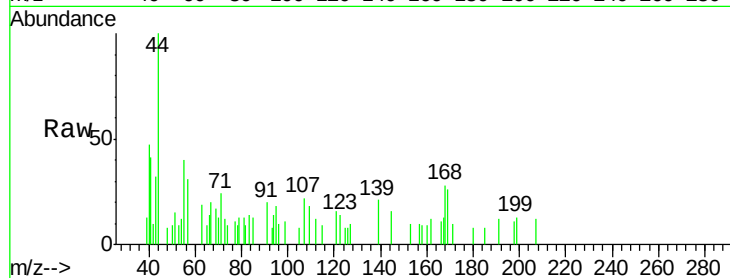
Tot Ion:198 Resp: 75

Ion Ratio Lower Upper

198 100

51 134.1 35.9 75.9#

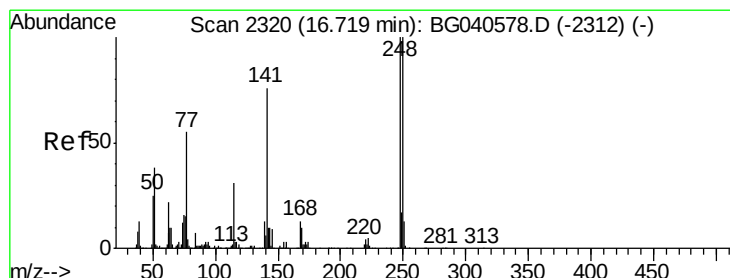
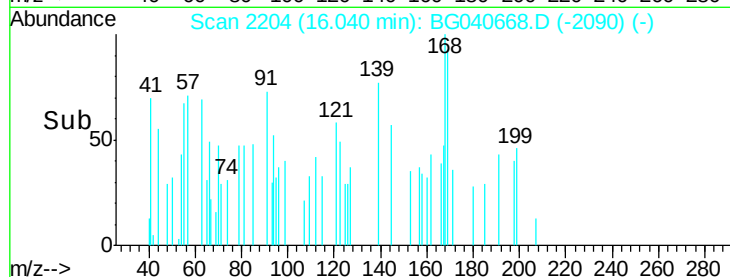
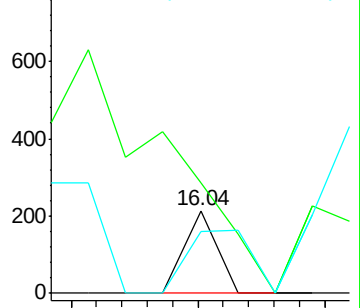
105 74.8 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.499 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

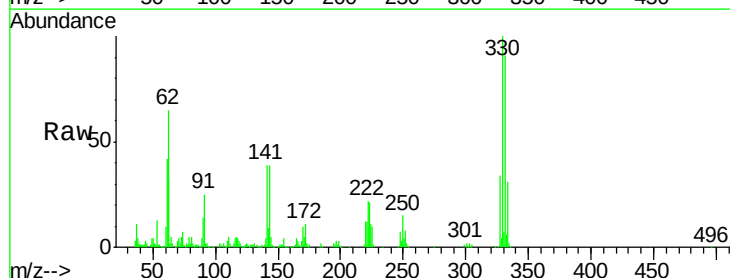
Tgt Ion:248 Resp: 17356

Ion Ratio Lower Upper

248 100

250 204.9 79.8 119.6#

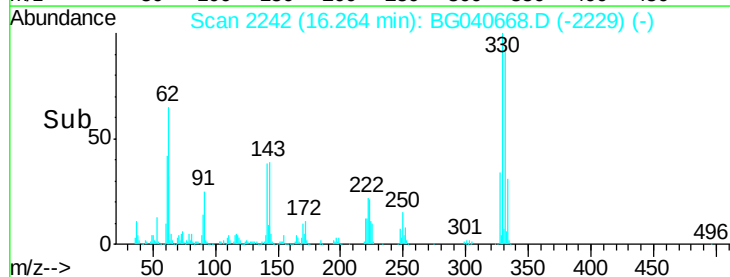
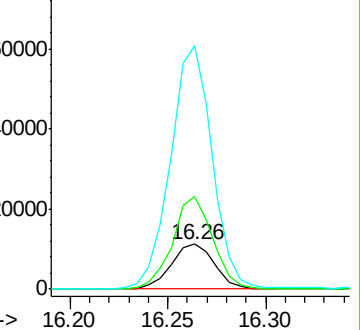
141 541.2 60.8 91.2#

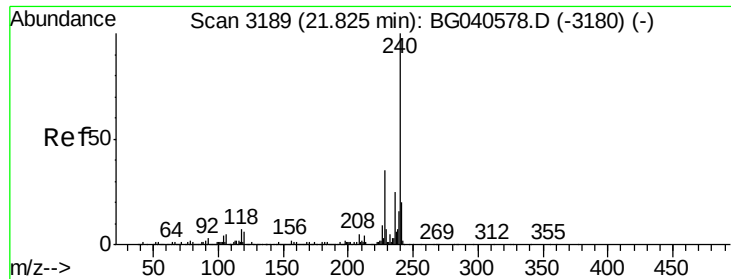


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3186

Delta R.T. -0.01 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

Instrument :

BNA_G

ClientSampleId :

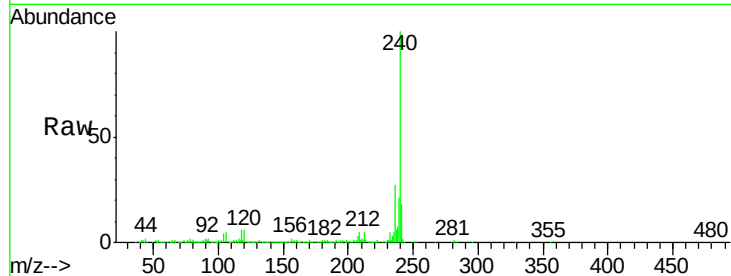
Tot Ion:240 Resp: 410747

Ion Ratio Lower Upper

240 100

120 5.9 5.0 7.6

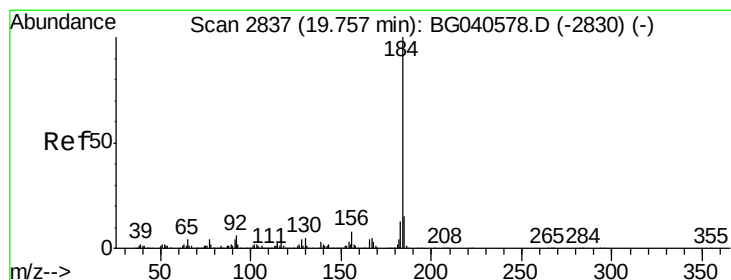
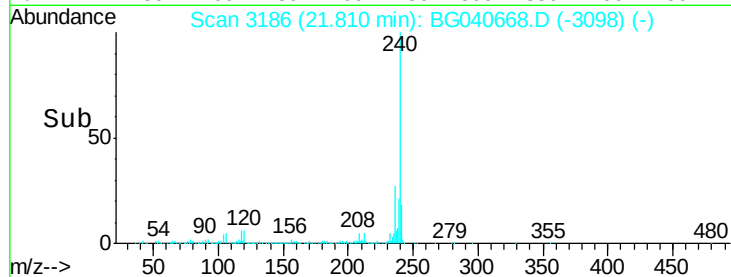
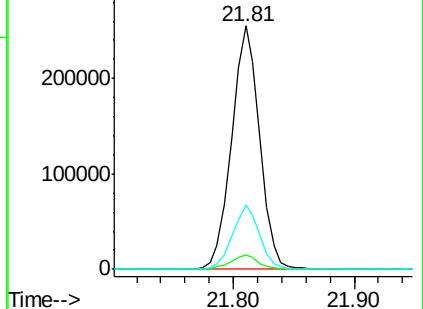
236 26.5 20.3 30.5



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: 2.874 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

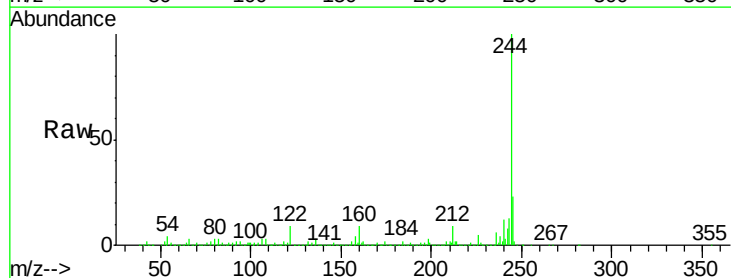
Tgt Ion:184 Resp: 32321

Ion Ratio Lower Upper

184 100

185 18.1 11.8 17.8#

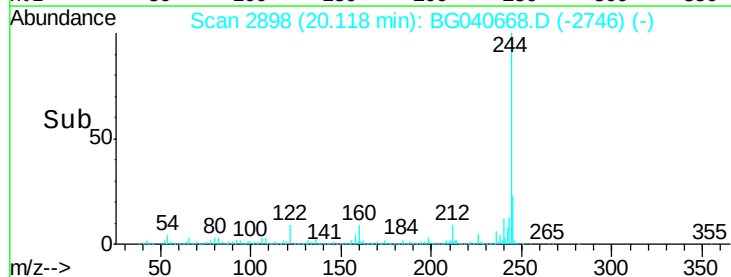
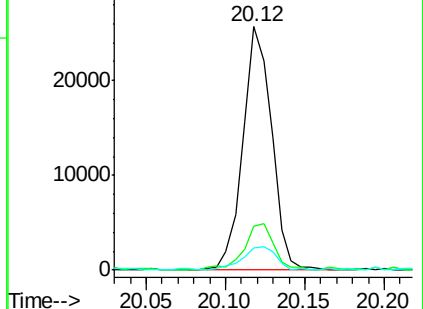
183 9.3 10.2 15.2#

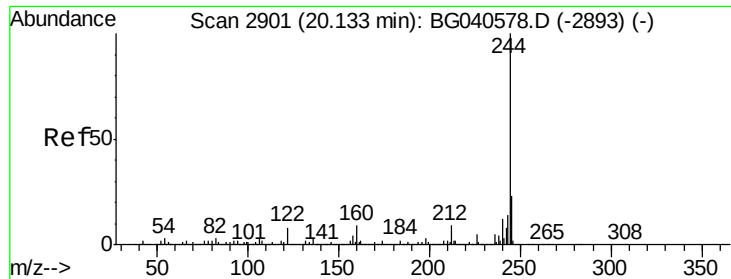


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.697 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

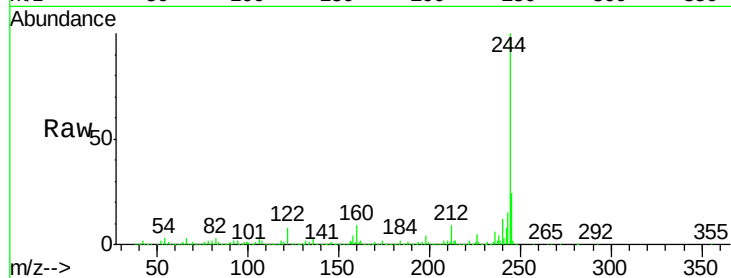
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1663007

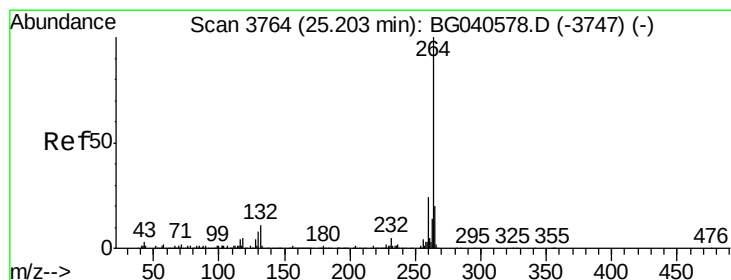
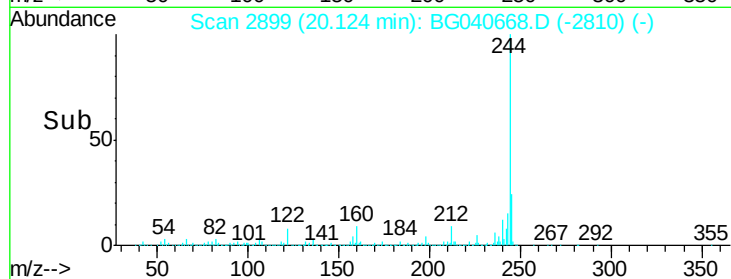
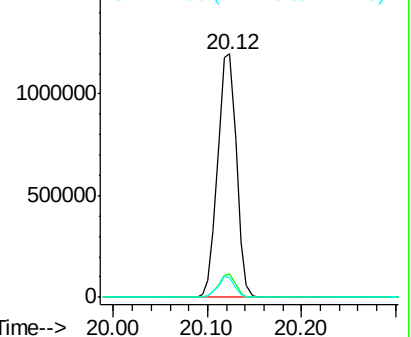
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	7.9	6.6	10.0



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# 3759

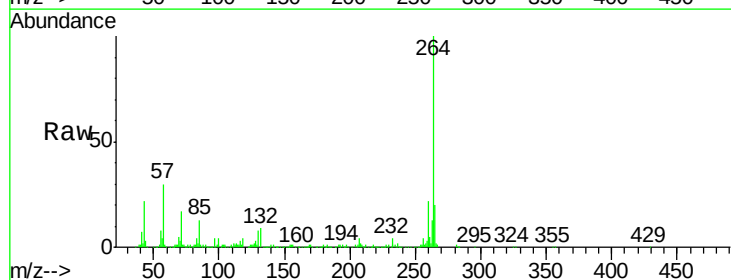
Delta R.T. -0.03 min

Lab File: BG040668.D

Acq: 29 Apr 2019 19:11

Tgt Ion:264 Resp: 430626

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	19.9	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

