

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040667.D
 Acq On : 29 Apr 2019 18:34
 Operator : JU/SJ
 Sample : K2550-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:48:19 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

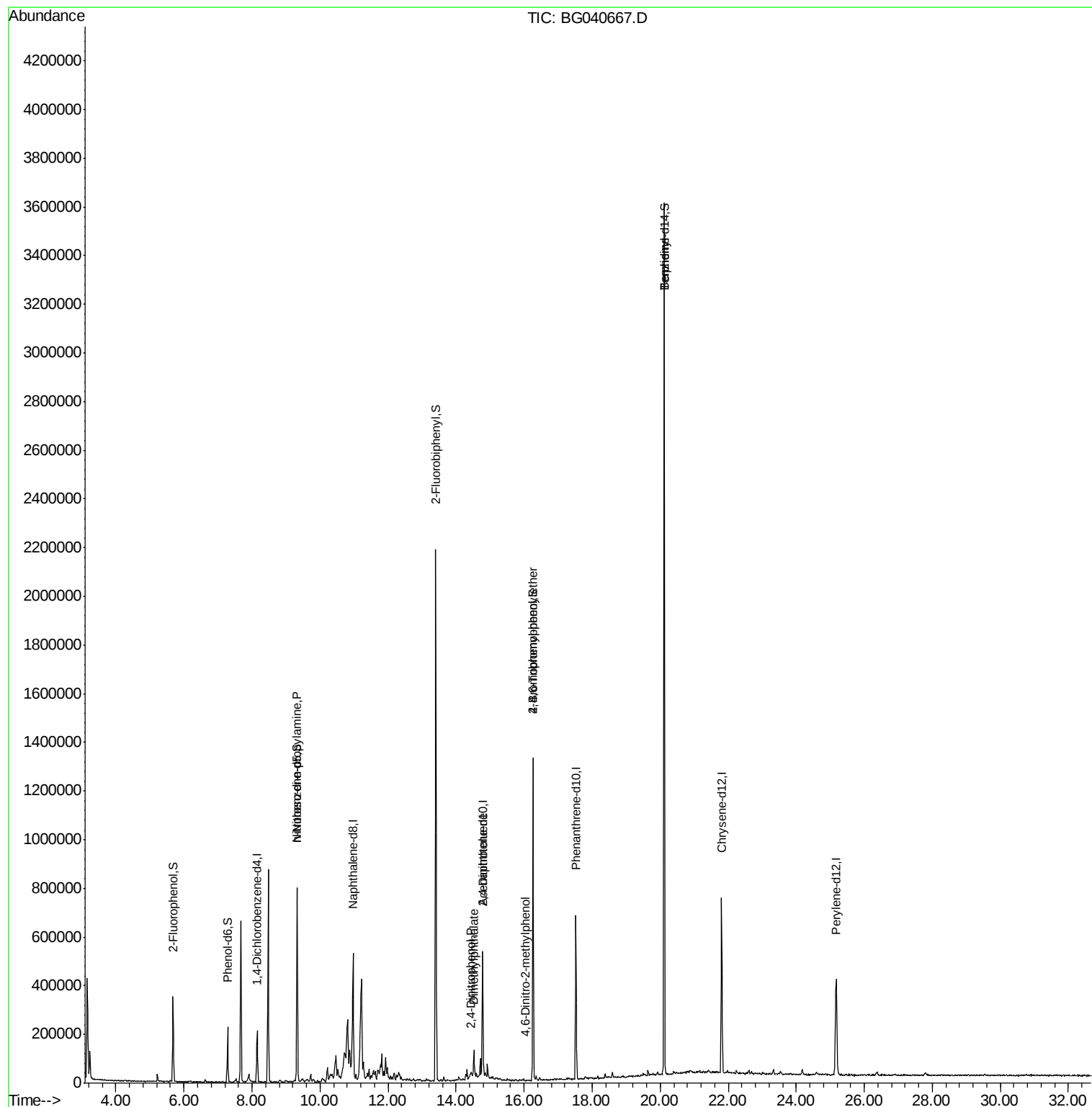
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	52347	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	202514	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	157806	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	411213	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	415893	20.00	ng	-0.02
87) Perylene-d12	25.17	264	446538	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	122181	41.14	ng	0.00
7) Phenol-d6	7.28	99	111643	24.42	ng	-0.01
23) Nitrobenzene-d5	9.33	82	466337	106.40	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	221316	102.03	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	983447	90.00	ng	-0.01
79) Terphenyl-d14	20.12	244	1612915	85.92	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.29	77	218	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	70447	17.116 ng	#	72
50) Dimethylphthalate	14.52	163	47005	3.560 ng	#	94
54) 2,4-Dinitrophenol	14.43	184	63	7.054 ng	#	19
57) 2,4-Dinitrotoluene	14.78	165	20923	5.975 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.03	198	64	7.128 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	16261	3.174 ng	#	1
77) Benzidine	20.12	184	30965	2.719 ng	#	92

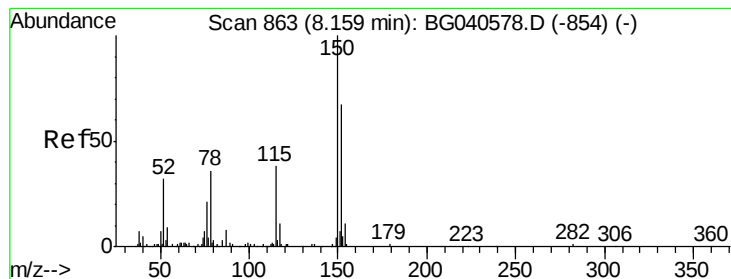
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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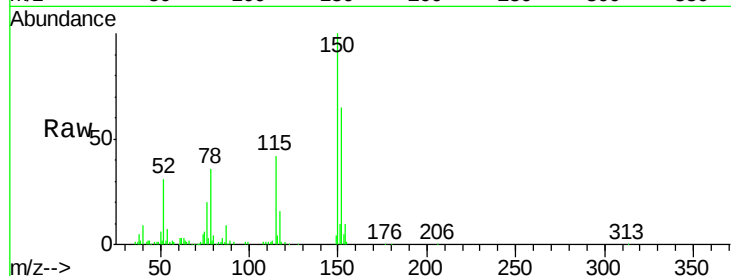




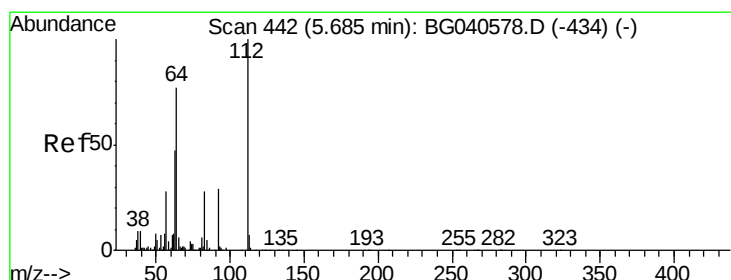
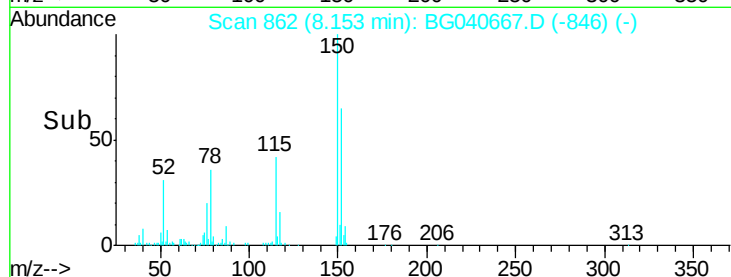
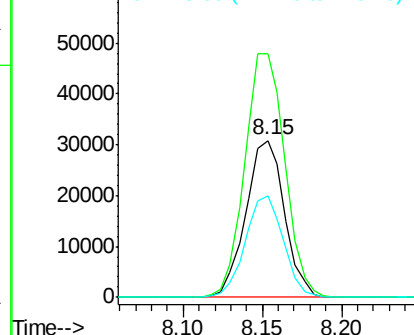
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.15 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: BG040667.D
 Acq: 29 Apr 2019 18:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 52347
 Ion Ratio Lower Upper
 152 100
 150 154.8 120.2 180.2
 115 64.2 46.2 69.2

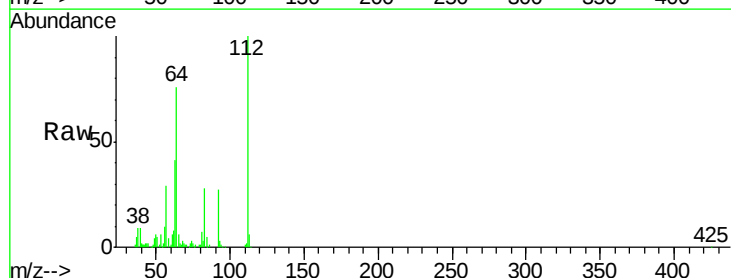


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

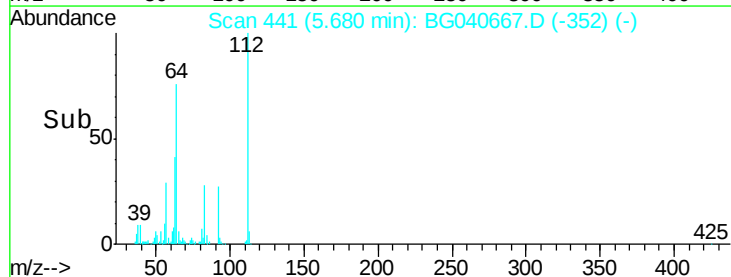
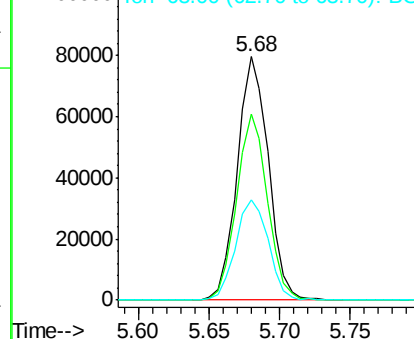


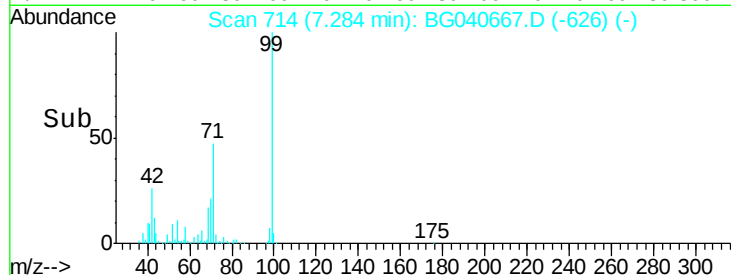
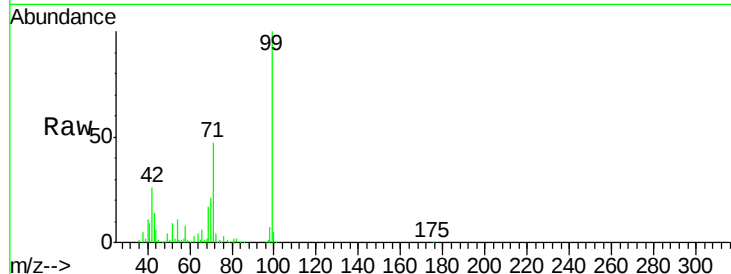
#5
 2-Fluorophenol
 Concen: 41.144 ng
 RT: 5.68 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: BG040667.D
 Acq: 29 Apr 2019 18:34

Tgt Ion:112 Resp: 122181
 Ion Ratio Lower Upper
 112 100
 64 76.4 61.4 92.0
 63 41.1 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: 24.417 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampleId :

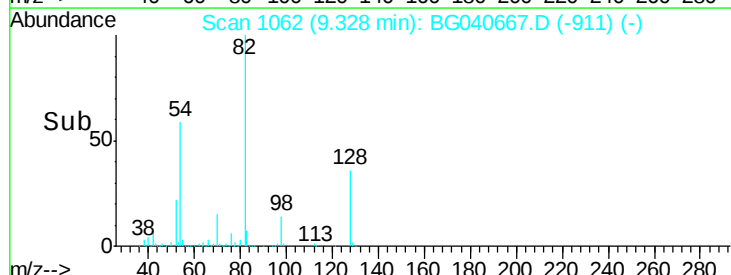
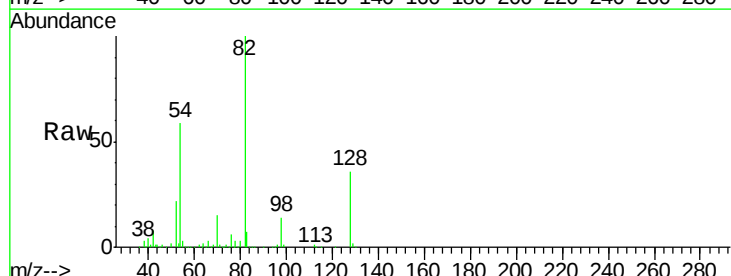
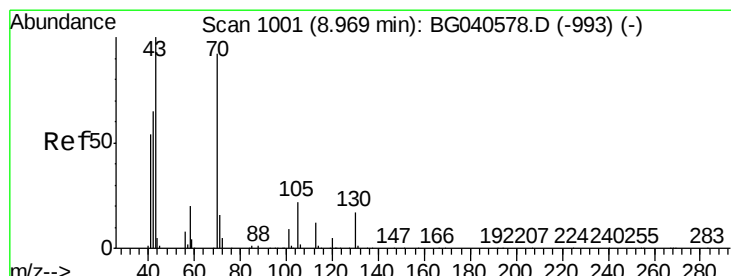
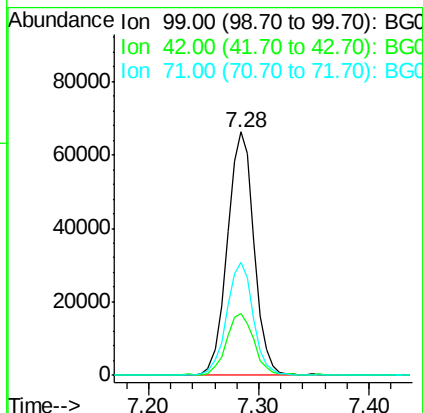
Tot Ion: 99 Resp: 111643

Ion Ratio Lower Upper

99 100

42 25.6 21.8 32.8

71 46.6 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.116 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Tgt Ion: 70 Resp: 70447

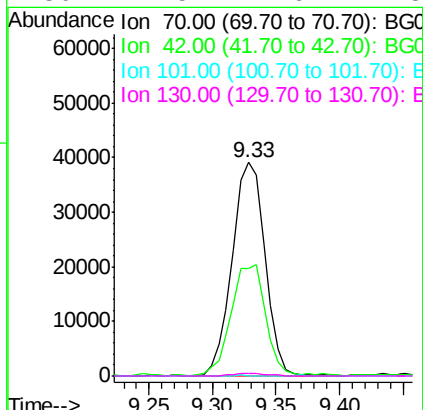
Ion Ratio Lower Upper

70 100

42 50.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.5 14.6 21.8#

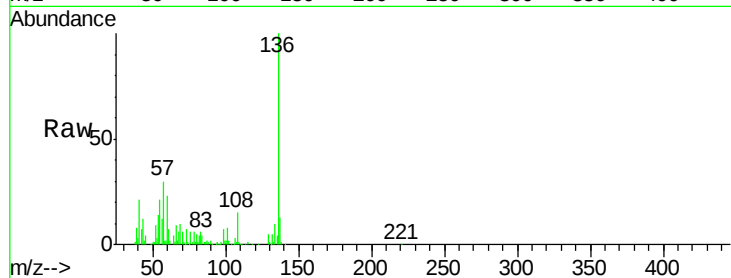




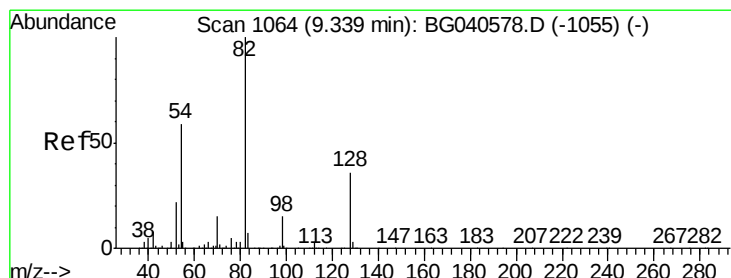
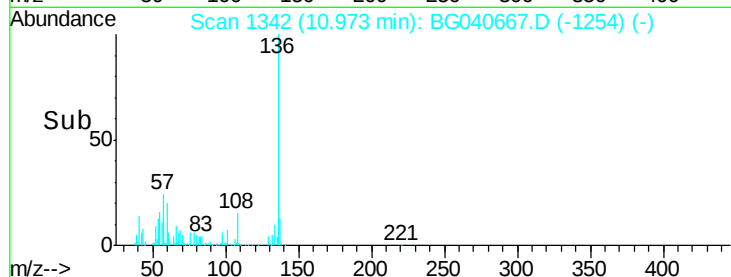
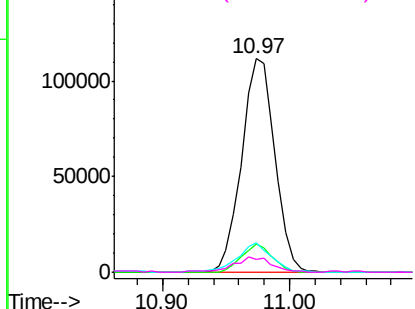
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040667.D
Acq: 29 Apr 2019 18:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	202514
Ion Ratio	Lower	Upper
136	100	
137	12.9	9.7 14.5
54	13.6	8.6 12.8#
68	6.2	4.8 7.2

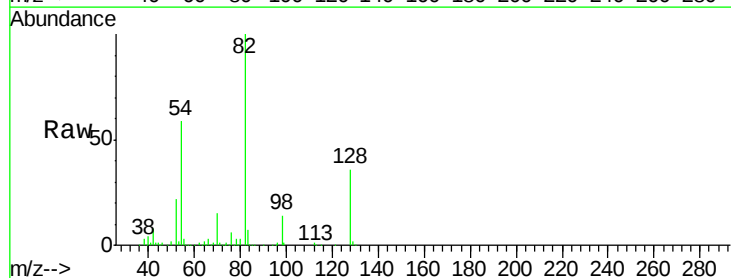


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

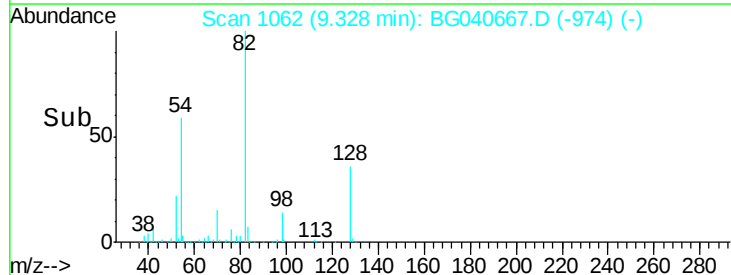
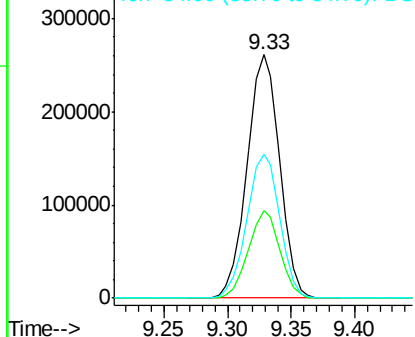


#23
Nitrobenzene-d5
Concen: 106.401 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040667.D
Acq: 29 Apr 2019 18:34

Tgt Ion: 82	Resp:	466337
Ion Ratio	Lower	Upper
82	100	
128	35.7	28.9 43.3
54	59.0	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: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampled :

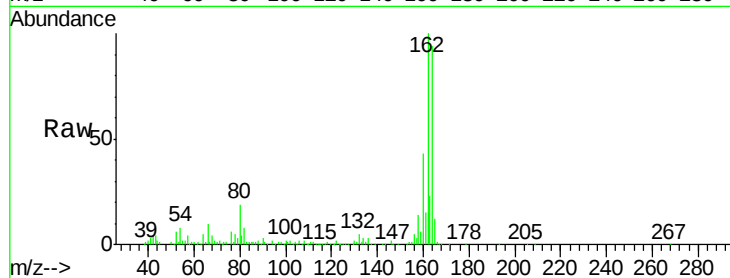
Tot Ion:164 Resp: 157806

Ion Ratio Lower Upper

164 100

162 105.9 81.9 122.9

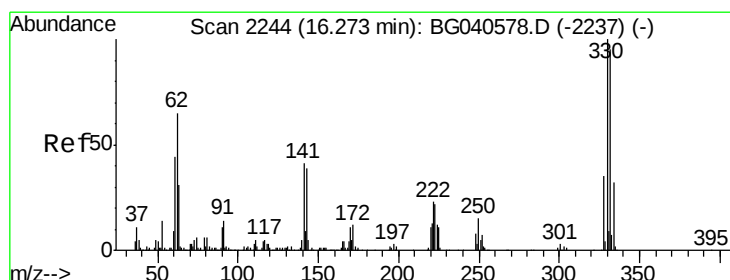
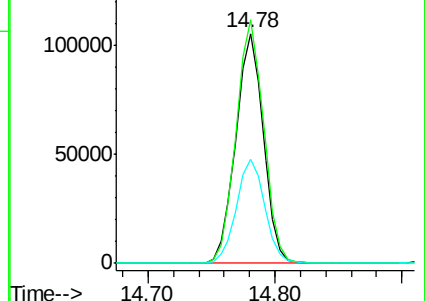
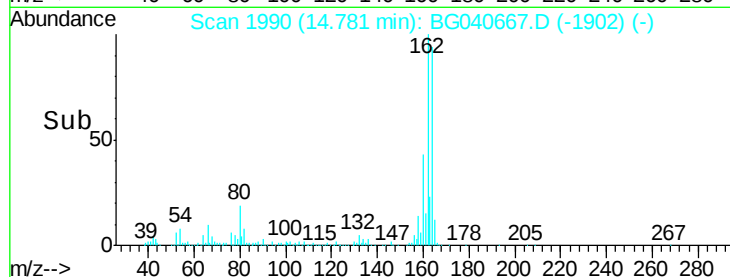
160 45.1 35.4 53.2



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: 102.032 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

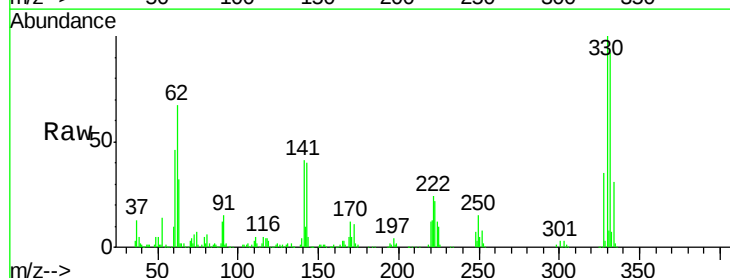
Tgt Ion:330 Resp: 221316

Ion Ratio Lower Upper

330 100

332 95.0 75.9 113.9

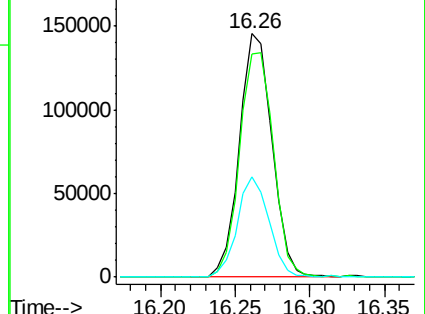
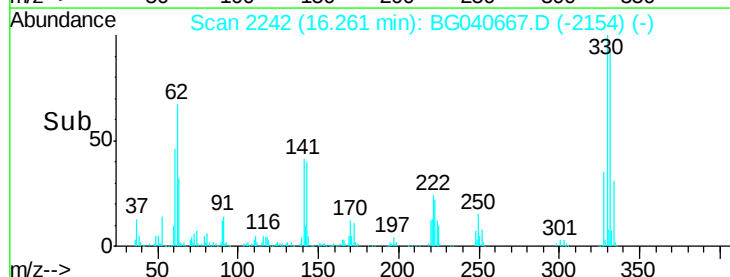
141 40.0 32.4 48.6

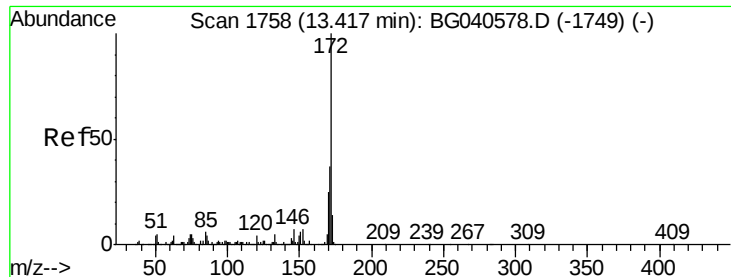


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

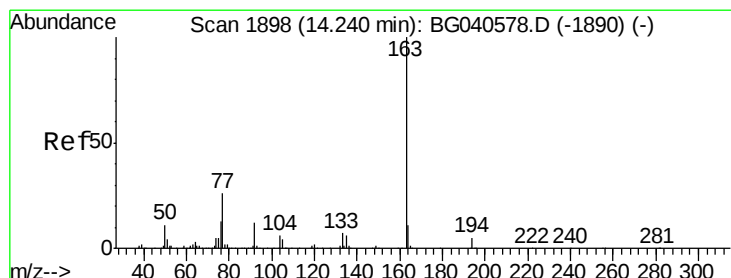
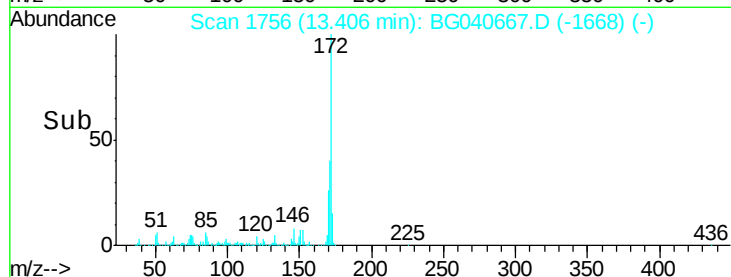
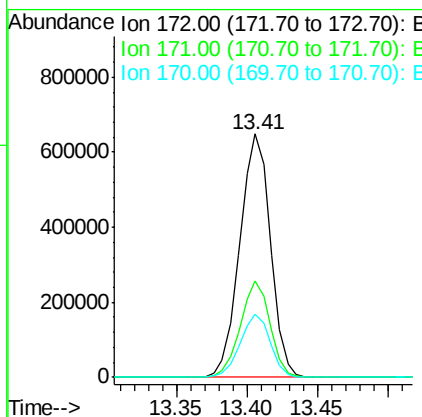
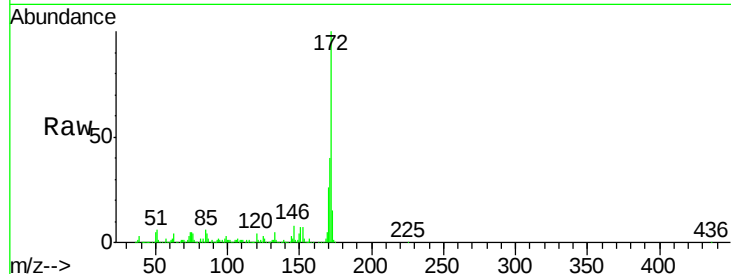




#45
2-Fluorobiphenyl
Concen: 90.003 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040667.D
Acq: 29 Apr 2019 18:34

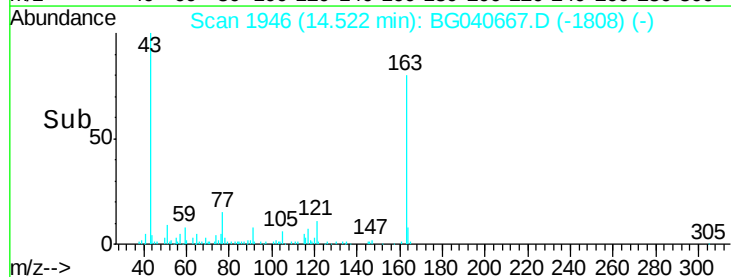
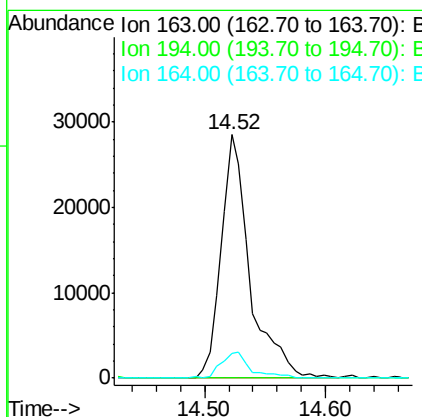
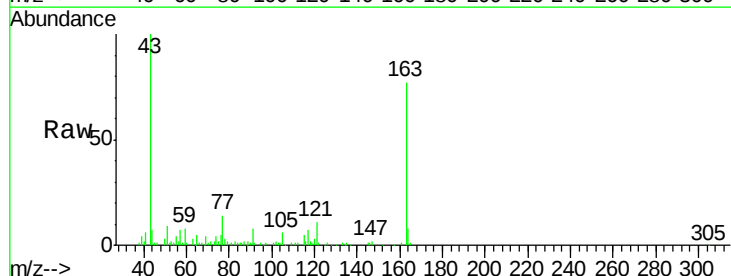
Instrument :
BNA_G
ClientSampleId :

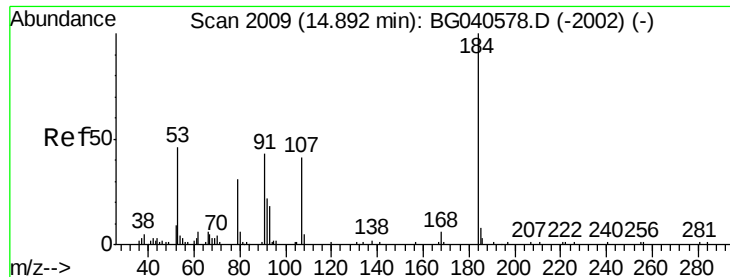
Tot Ion:172 Resp: 983447
Ion Ratio Lower Upper
172 100
171 39.7 29.4 44.2
170 26.1 19.9 29.9



#50
Dimethylphthalate
Concen: 3.560 ng
RT: 14.52 min Scan# 1946
Delta R.T. 0.28 min
Lab File: BG040667.D
Acq: 29 Apr 2019 18:34

Tgt Ion:163 Resp: 47005
Ion Ratio Lower Upper
163 100
194 0.0 3.8 5.8#
164 10.0 8.8 13.2





#54

2,4-Dinitrophenol

Concen: 7.054 ng

RT: 14.43 min Scan# 1930

Delta R.T. -0.46 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampleId :

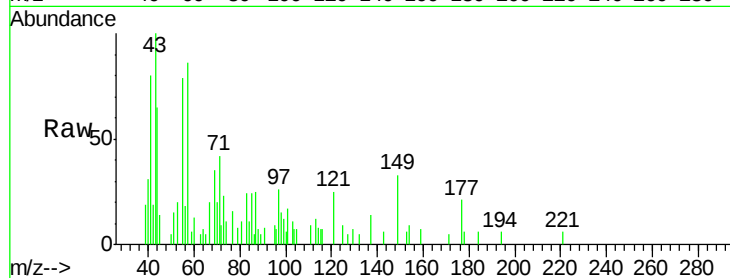
Tot Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

63 90.0 51.8 77.6#

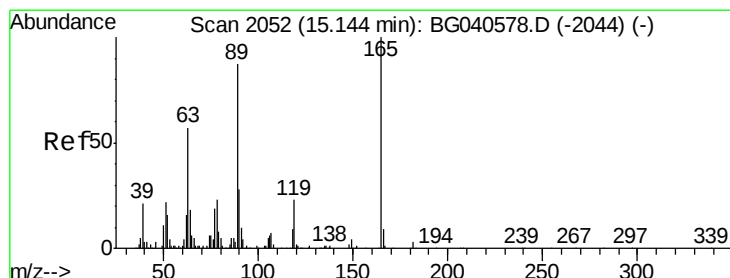
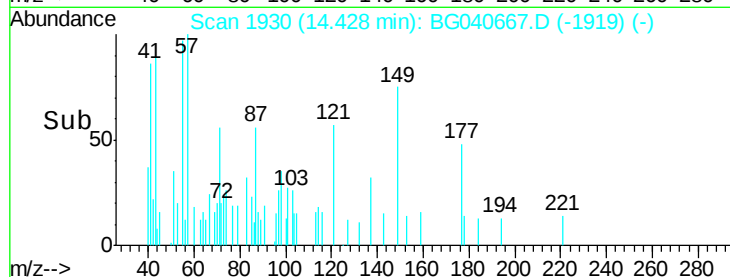
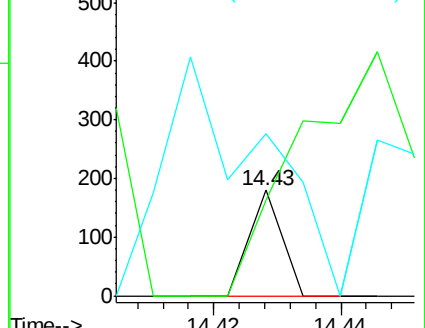
154 153.9 43.6 65.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 5.975 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Tgt Ion:165 Resp: 20923

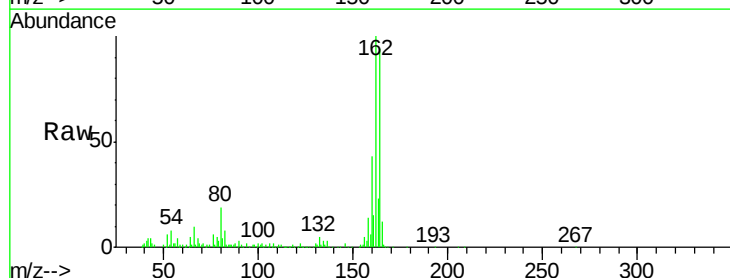
Ion Ratio Lower Upper

165 100

63 3.8 45.8 68.8#

89 1.4 69.4 104.2#

182 0.0 2.2 3.4#

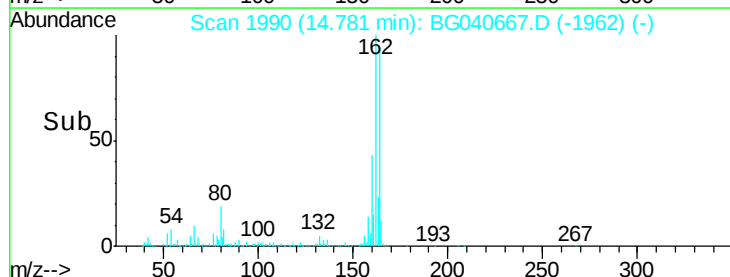
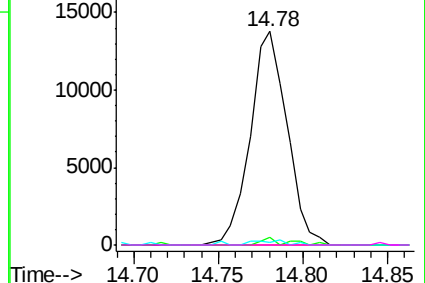


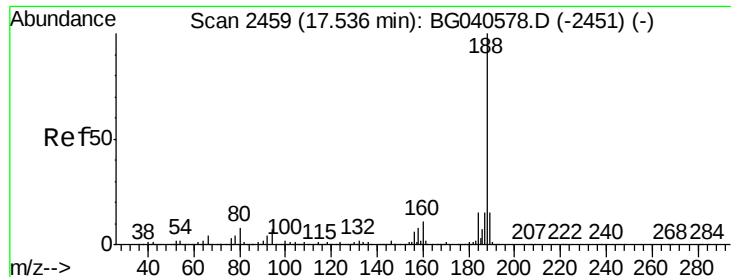
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampleId :

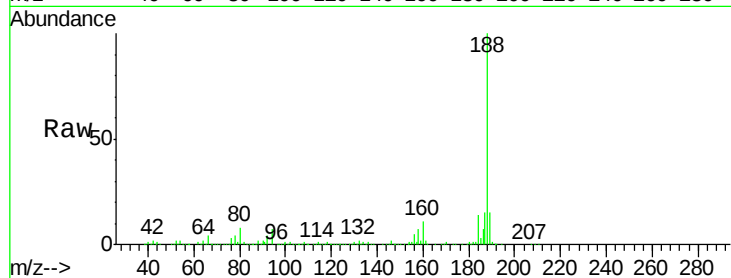
Tot Ion:188 Resp: 411213

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

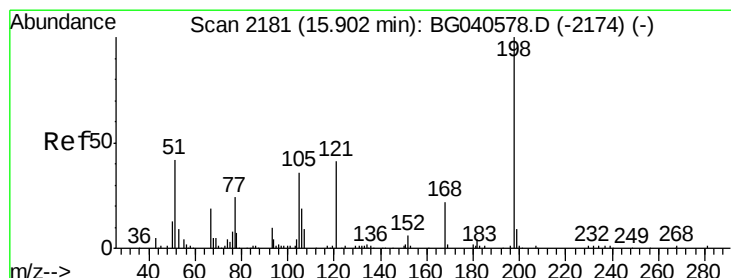
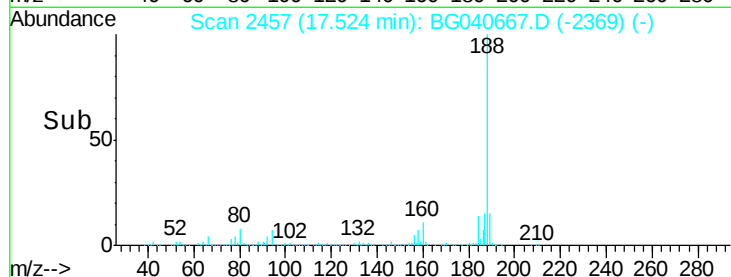
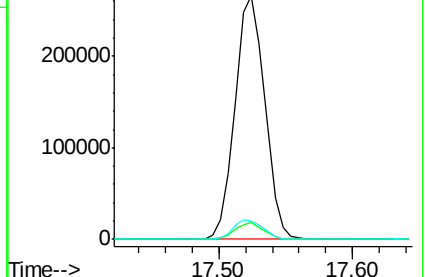
80 7.7 6.4 9.6



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: 7.128 ng

RT: 16.03 min Scan# 2202

Delta R.T. 0.12 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

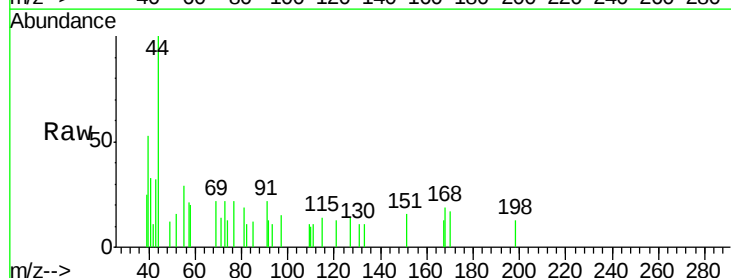
Tgt Ion:198 Resp: 64

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

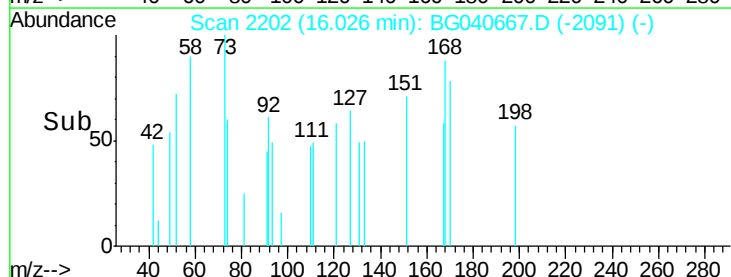
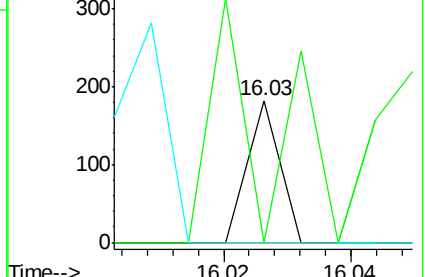
105 0.0 21.2 61.2#

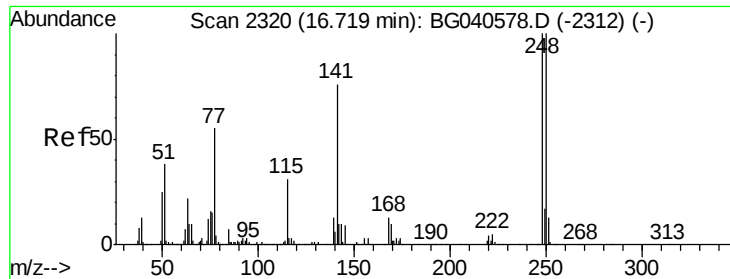


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.174 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampleId :

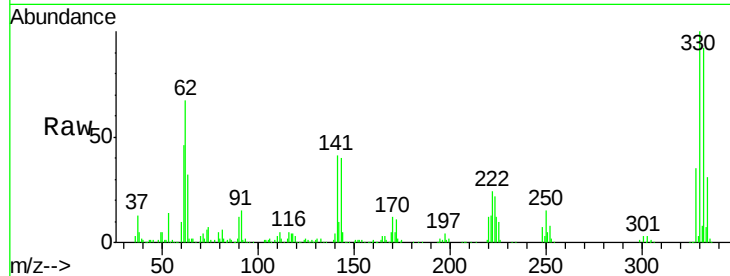
Tot Ion:248 Resp: 16261

Ion Ratio Lower Upper

248 100

250 291.4 79.8 119.6#

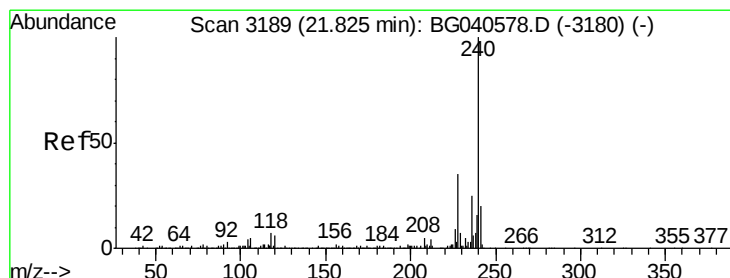
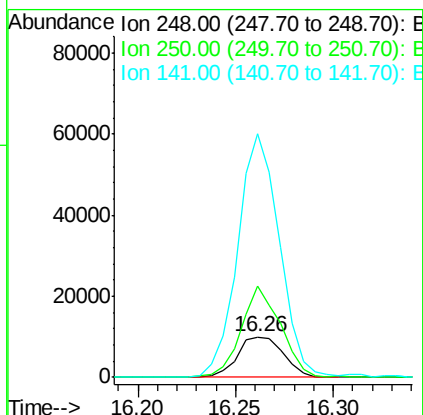
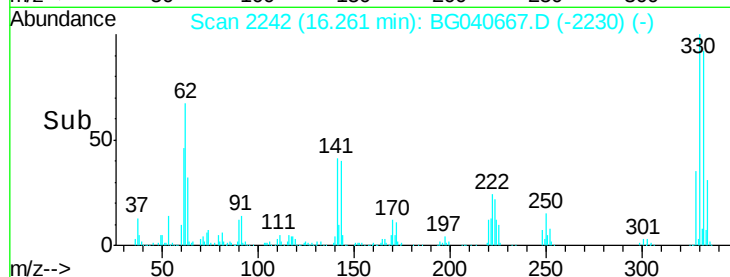
141 600.0 60.8 91.2#



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: 21.81 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

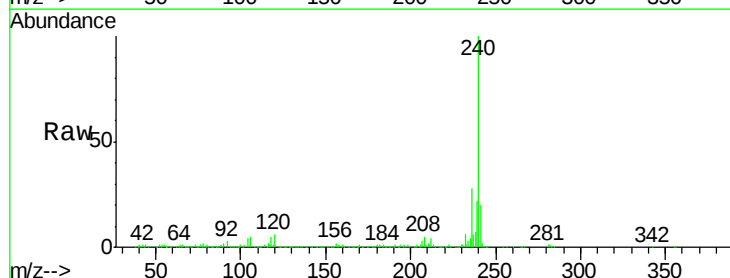
Tgt Ion:240 Resp: 415893

Ion Ratio Lower Upper

240 100

120 6.2 5.0 7.6

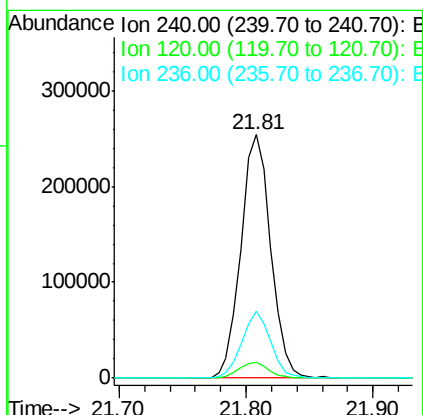
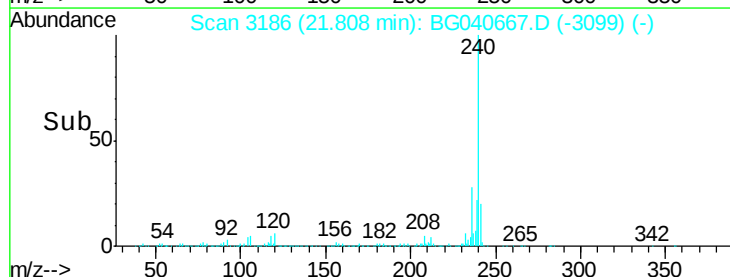
236 27.5 20.3 30.5



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: 2.719 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

Instrument :

BNA_G

ClientSampleId :

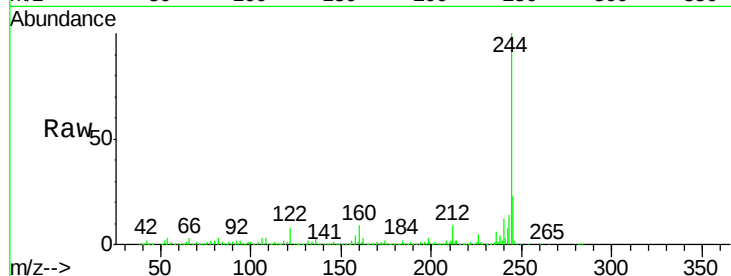
Tot Ion:184 Resp: 30965

Ion Ratio Lower Upper

184 100

185 19.3 11.8 17.8#

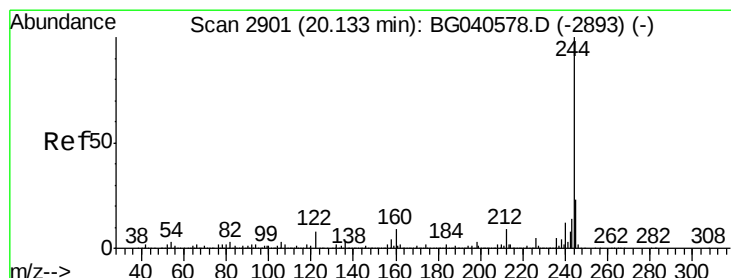
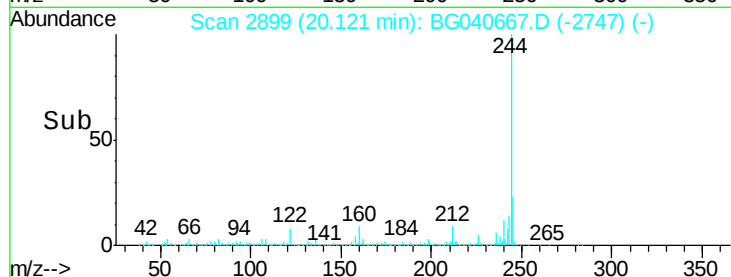
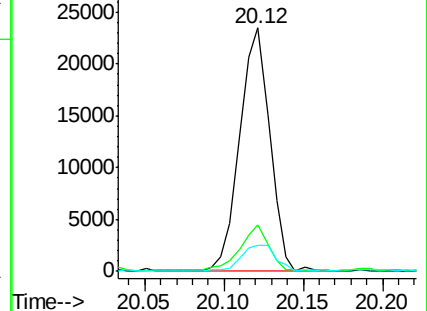
183 10.5 10.2 15.2



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: 85.918 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040667.D

Acq: 29 Apr 2019 18:34

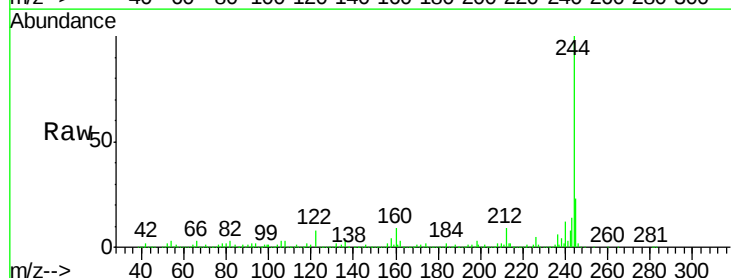
Tgt Ion:244 Resp: 1612915

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

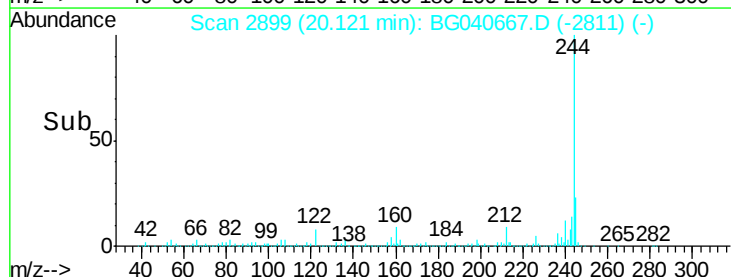
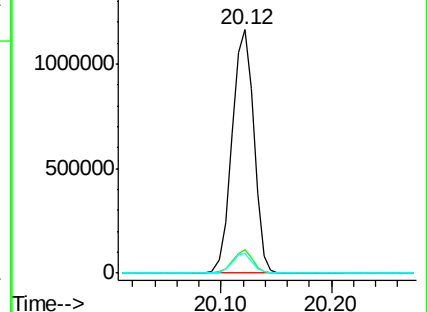
122 7.9 6.6 10.0

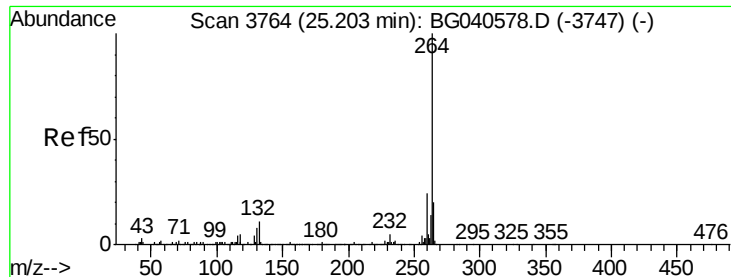


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

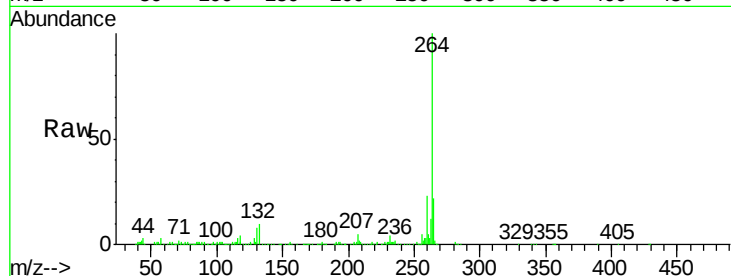




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG040667.D
Acq: 29 Apr 2019 18:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	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

