

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040648.D
 Acq On : 27 Apr 2019 4:10
 Operator : JU/SJ
 Sample : K2203-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 29 01:04:50 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

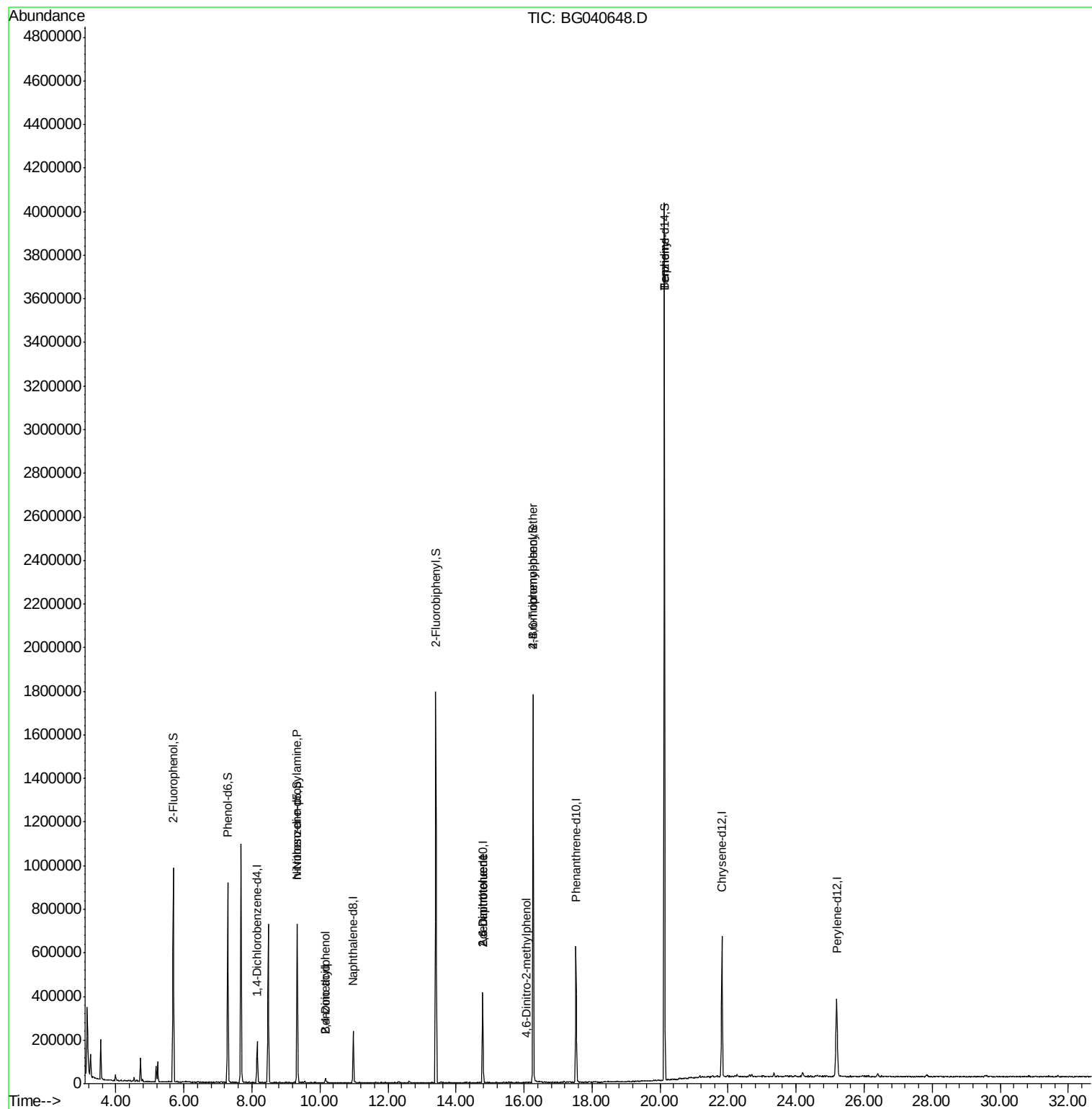
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46903	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	184752	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	134724	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	373730	20.00	ng	0.00
76) Chrysene-d12	21.82	240	389466	20.00	ng	0.00
87) Perylene-d12	25.19	264	404320	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	343713	129.18	ng	0.00
7) Phenol-d6	7.29	99	438270	106.98	ng	0.00
23) Nitrobenzene-d5	9.33	82	419146	104.83	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	303956	164.14	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	868674	93.12	ng	0.00
79) Terphenyl-d14	20.13	244	1820273	103.54	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1128	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.34	70	61124	16.574 ng	#	6
27) 2,4-Dimethylphenol	10.16	122	6250	2.178 ng	#	1
32) Benzoic acid	10.16	122	6250	3.182 ng	#	92
51) 2,6-Dinitrotoluene	14.78	165	18018	8.190 ng	#	16
57) 2,4-Dinitrotoluene	14.78	165	18018	6.027 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.06	198	62	7.130 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	23280	5.000 ng	#	1
77) Benzidine	20.12	184	36598	3.432 ng	#	91

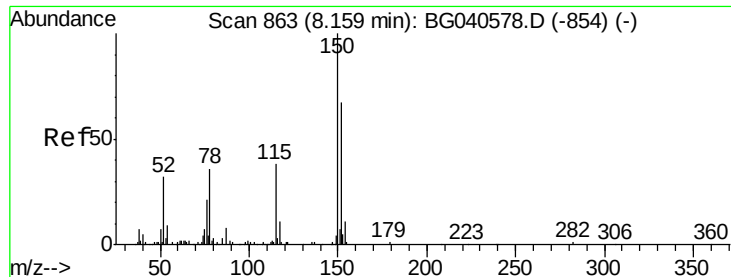
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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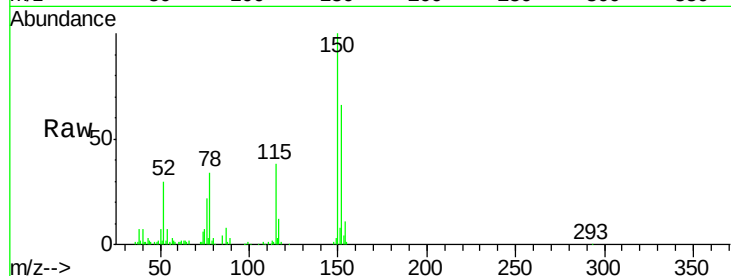


#1

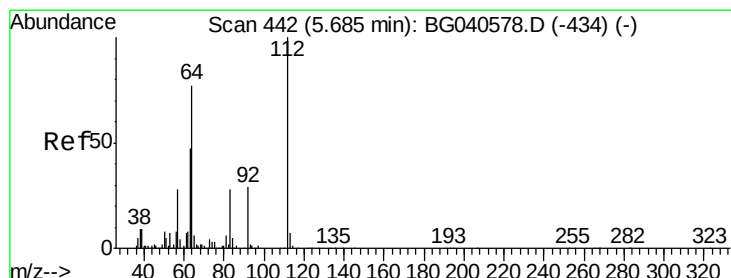
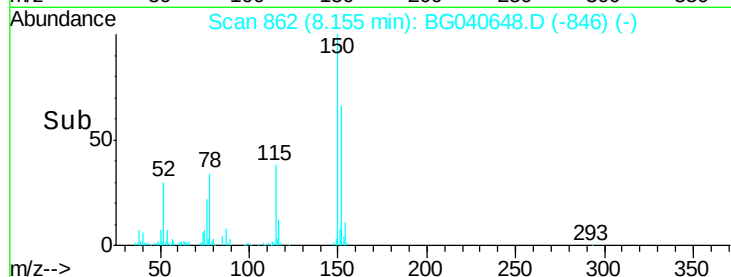
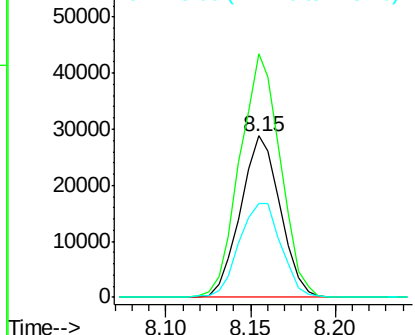
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	120.2	180.2
115	57.8	46.2	69.2



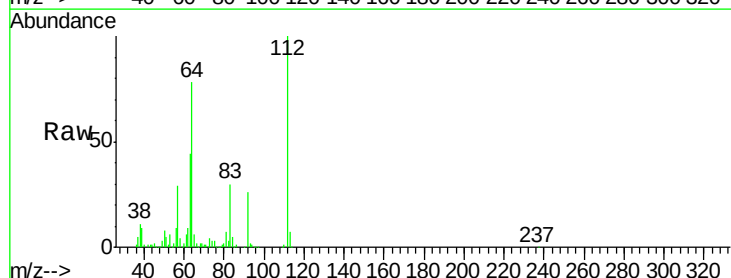
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



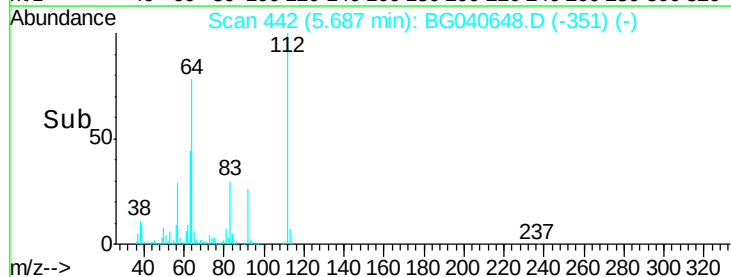
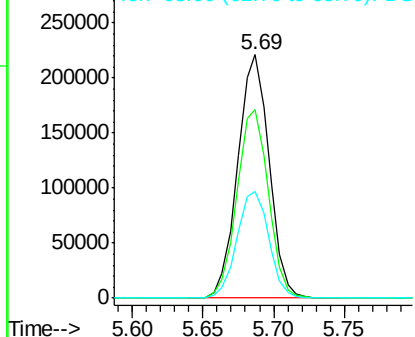
#5

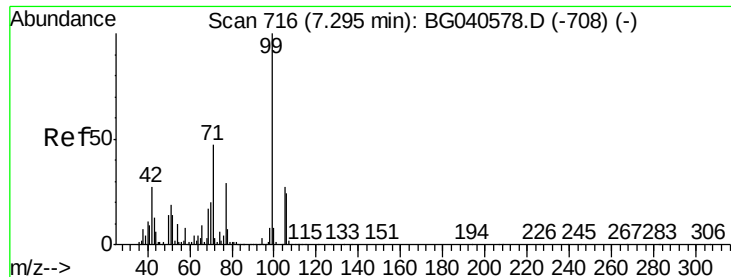
2-Fluorophenol
Concen: 129.178 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.7	61.4	92.0
63	43.7	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.978 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

Instrument :

BNA_G

ClientSampleId :

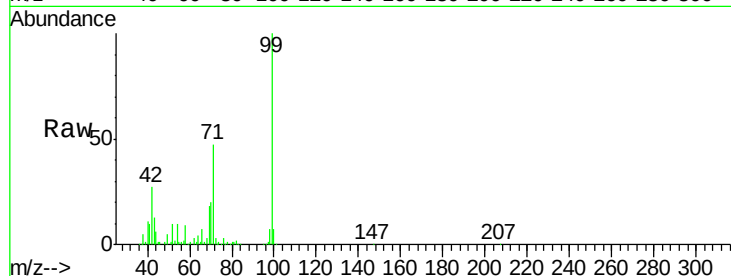
Tot Ion: 99 Resp: 438270

Ion Ratio Lower Upper

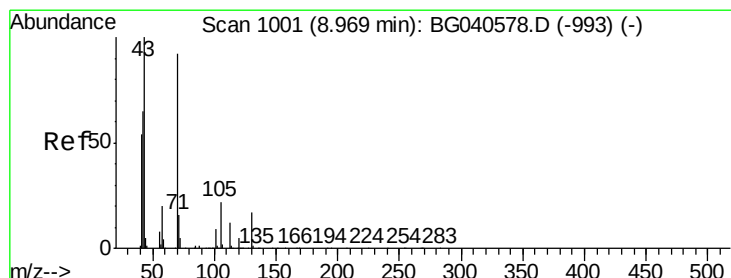
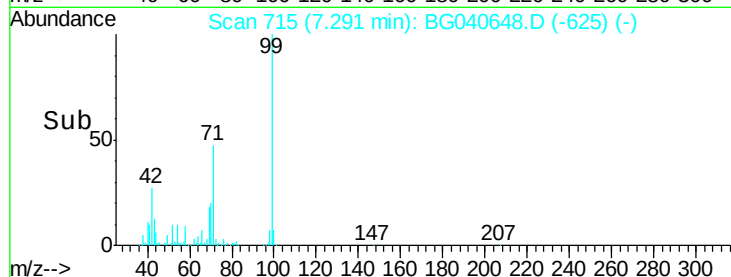
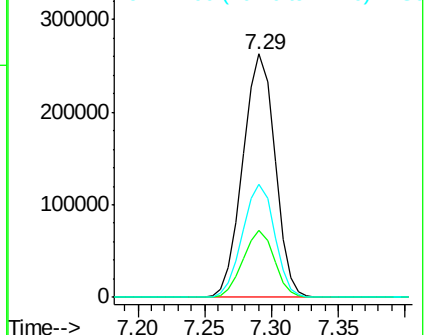
99 100

42 27.4 21.8 32.8

71 46.7 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: 16.574 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

Tgt Ion: 70 Resp: 61124

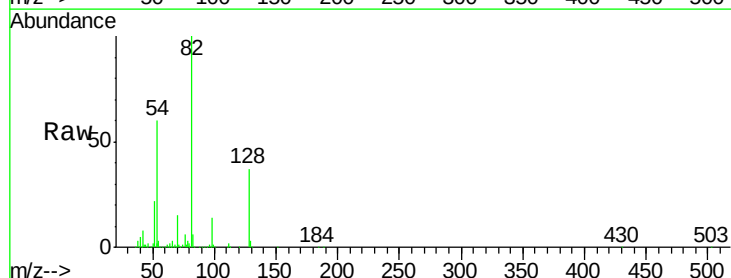
Ion Ratio Lower Upper

70 100

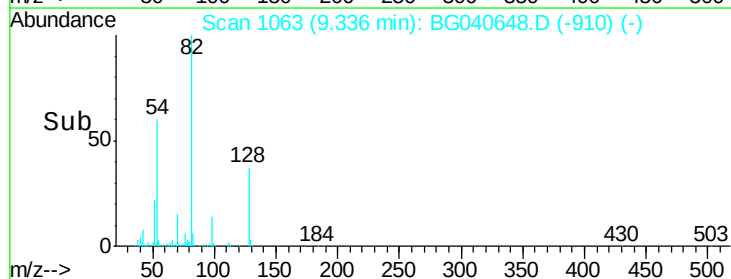
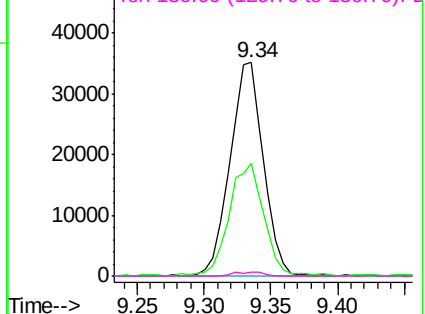
42 53.0 57.1 85.7#

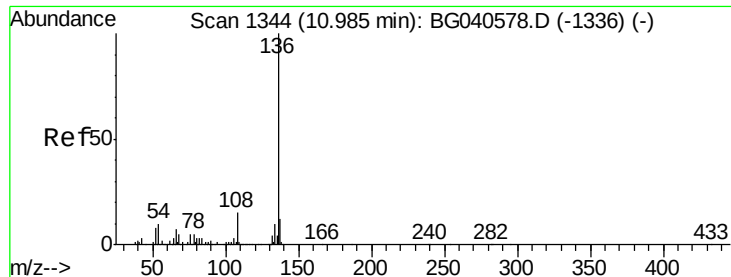
101 0.0 7.8 11.8#

130 2.0 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

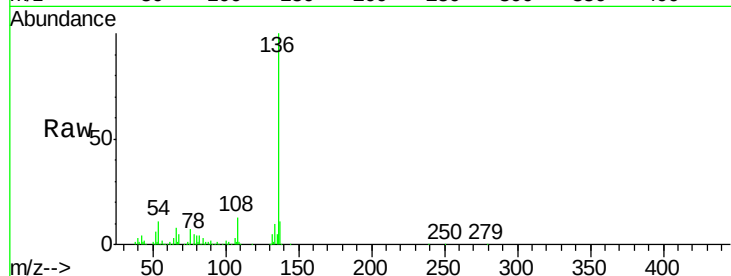




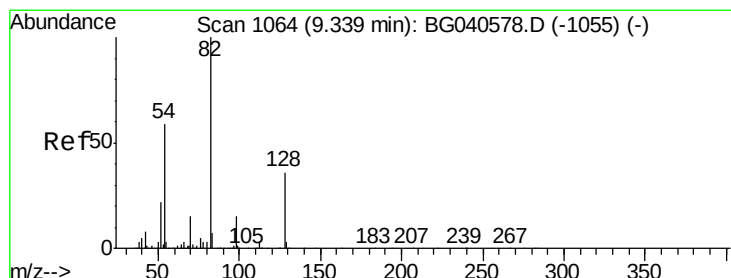
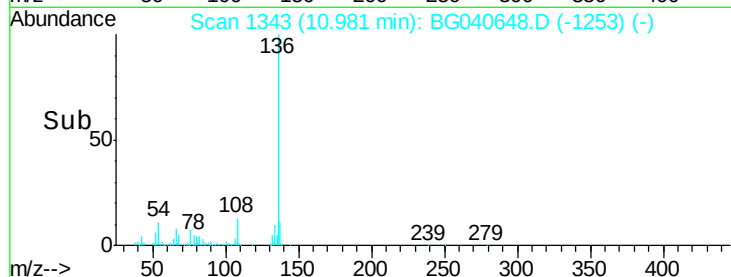
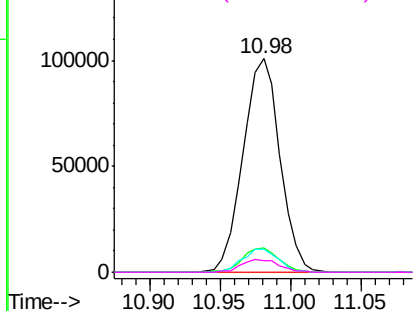
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	184752
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.7 14.5
54	10.9	8.6 12.8
68	5.1	4.8 7.2

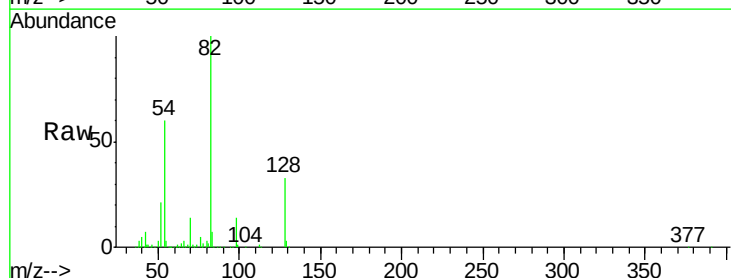


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

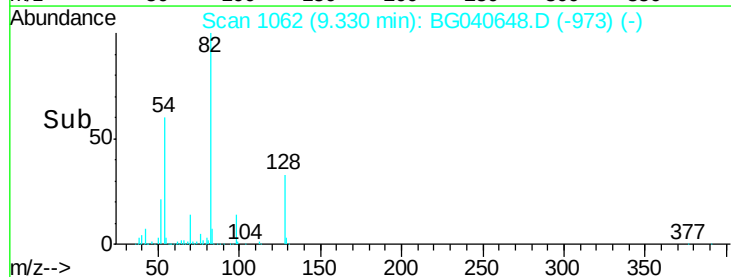
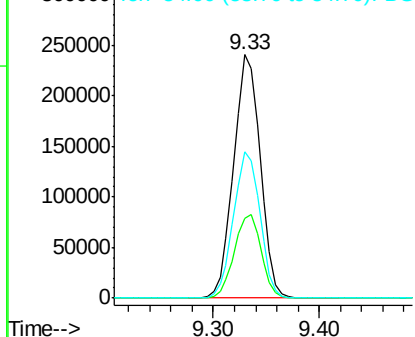


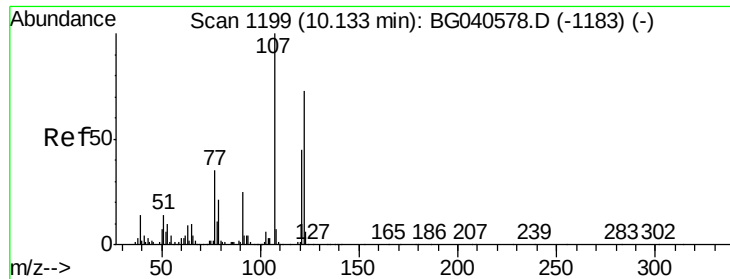
#23
Nitrobenzene-d5
Concen: 104.828 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

Tgt Ion: 82	Resp:	419146
Ion Ratio	Lower	Upper
82	100	
128	32.9	28.9 43.3
54	60.3	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

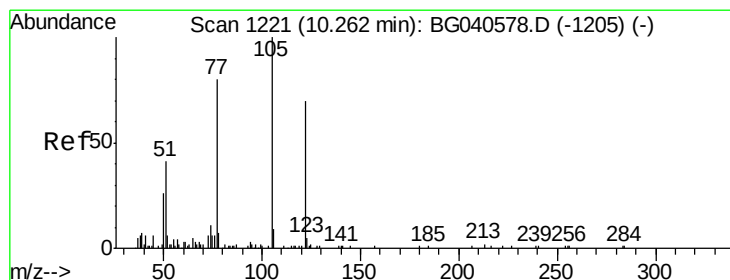
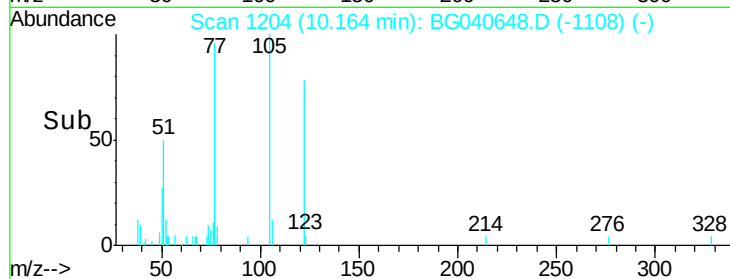
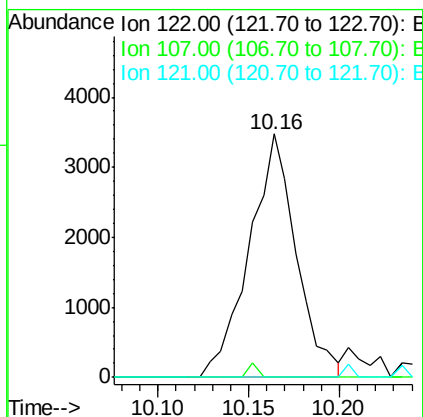
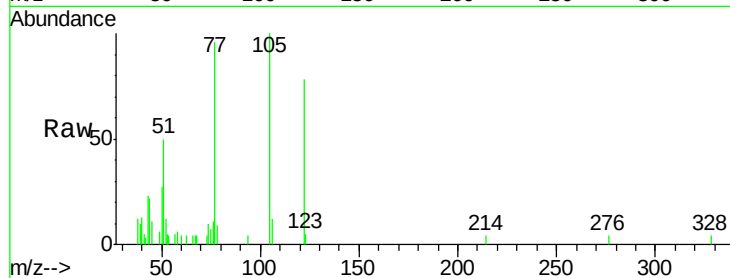




#27
 2,4-Dimethylphenol
 Concen: 2.178 ng
 RT: 10.16 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

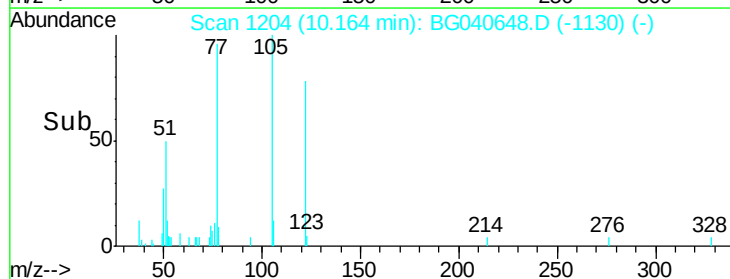
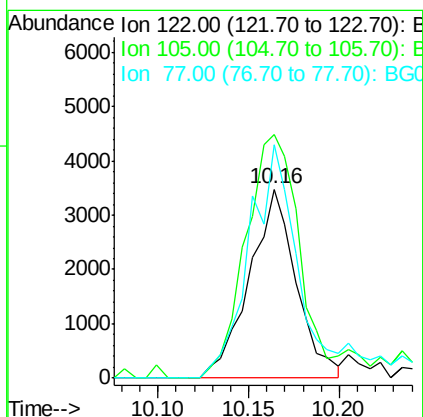
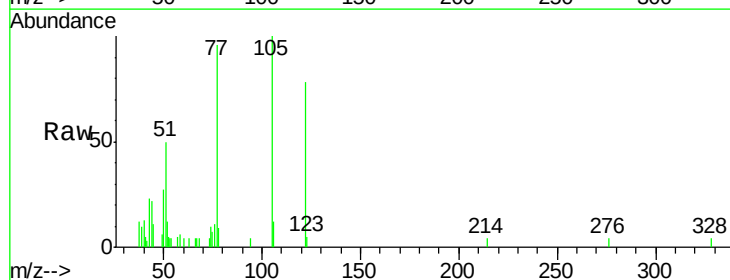
Instrument :
 BNA_G
 ClientSampleId :

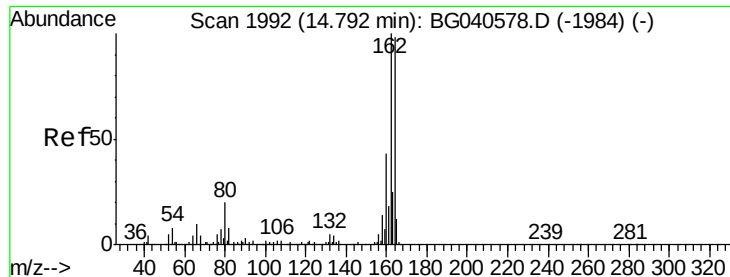
Tot Ion:122 Resp: 6250
 Ion Ratio Lower Upper
 122 100
 107 0.0 110.1 165.1#
 121 0.0 49.4 74.0#



#32
 Benzoic acid
 Concen: 3.182 ng
 RT: 10.16 min Scan# 1204
 Delta R.T. -0.10 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

Tgt Ion:122 Resp: 6250
 Ion Ratio Lower Upper
 122 100
 105 128.9 110.9 150.9
 77 123.4 87.6 127.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

Instrument :

BNA_G

ClientSampleId :

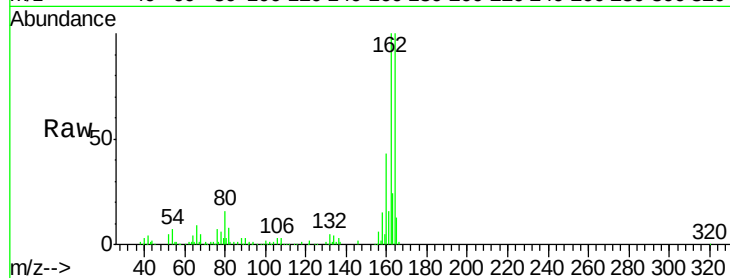
Tot Ion:164 Resp: 134724

Ion Ratio Lower Upper

164 100

162 100.2 81.9 122.9

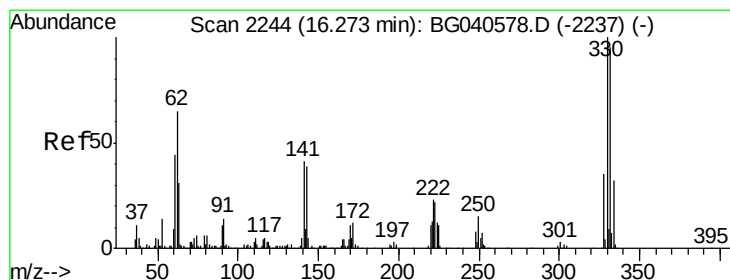
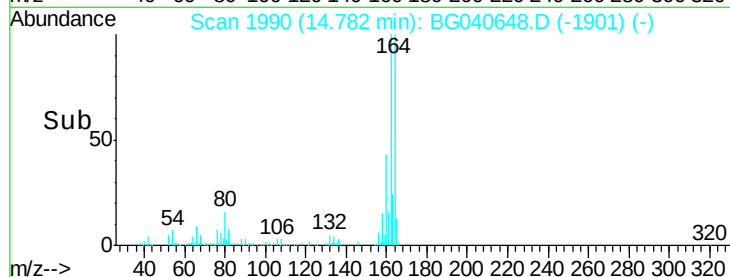
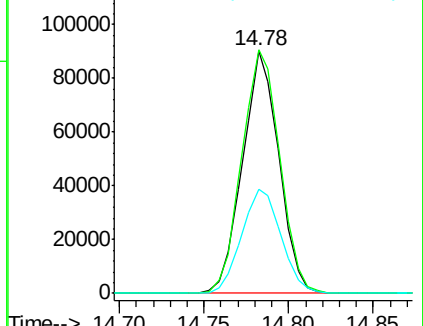
160 42.7 35.4 53.2



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: 164.140 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

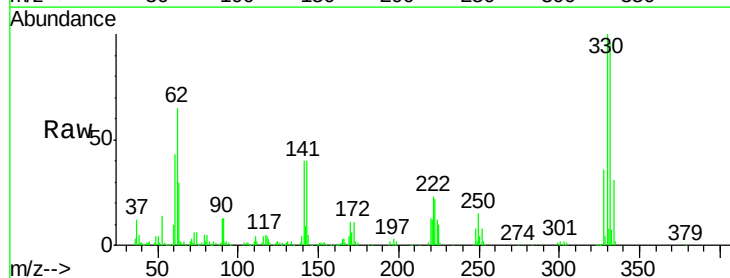
Tgt Ion:330 Resp: 303956

Ion Ratio Lower Upper

330 100

332 94.3 75.9 113.9

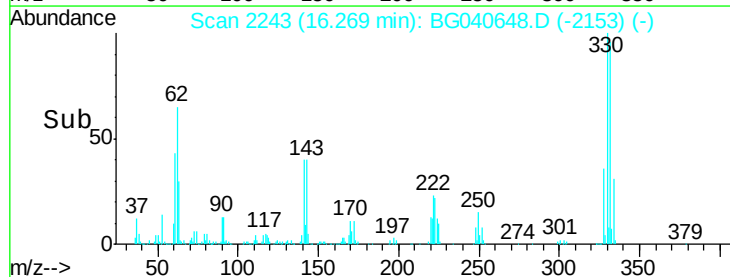
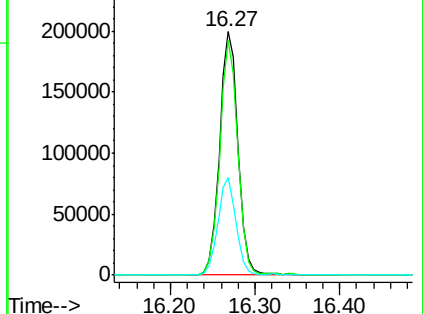
141 39.9 32.4 48.6

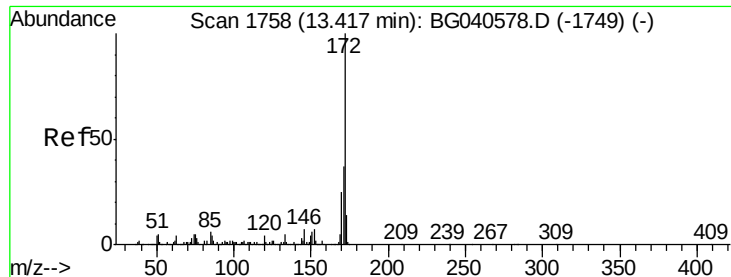


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

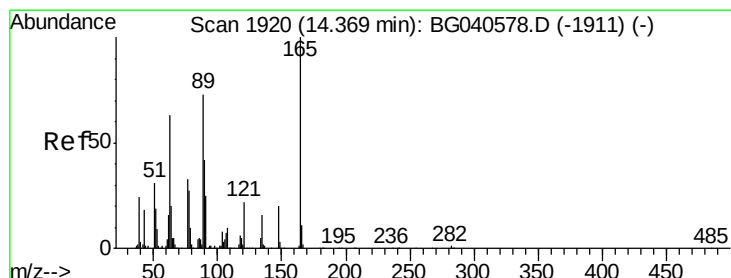
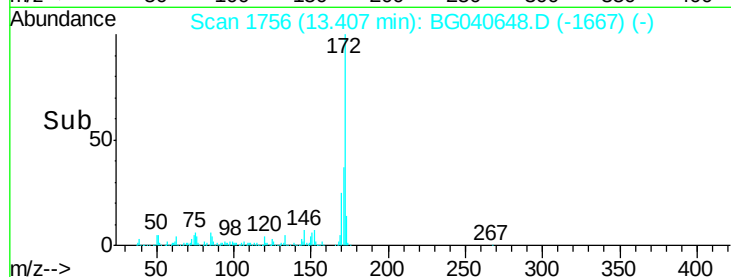
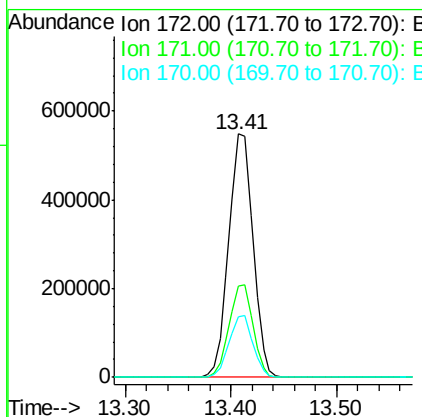
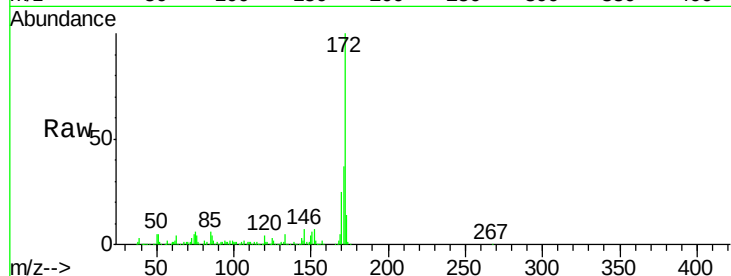




#45
 2-Fluorobiphenyl
 Concen: 93.119 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

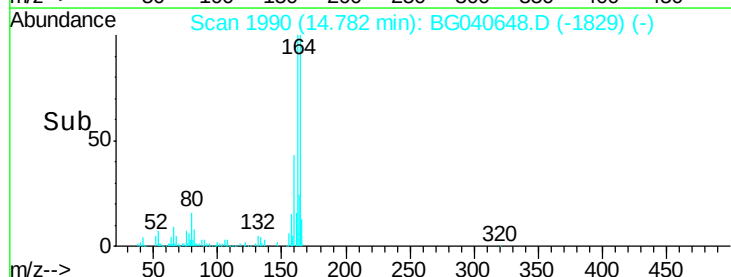
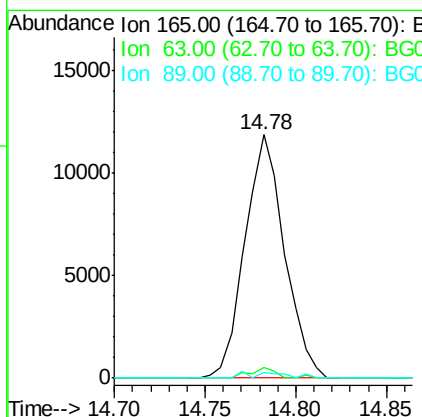
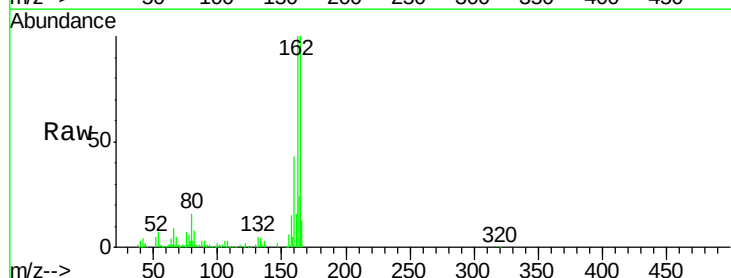
Instrument :
 BNA_G
 ClientSampleId :

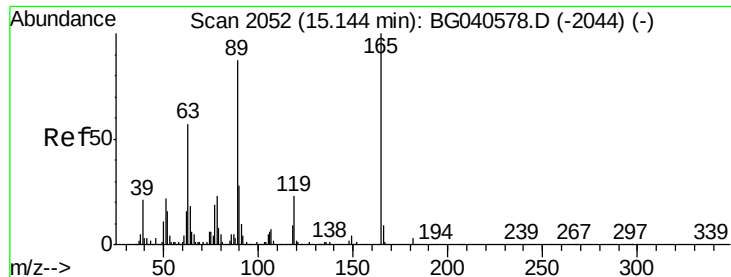
Tot Ion:172 Resp: 868674
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.4 44.2
 170 24.9 19.9 29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.190 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

Tgt Ion:165 Resp: 18018
 Ion Ratio Lower Upper
 165 100
 63 4.4 61.0 91.4#
 89 2.1 58.6 87.8#

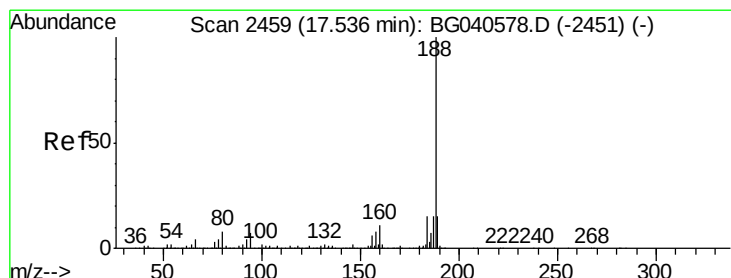
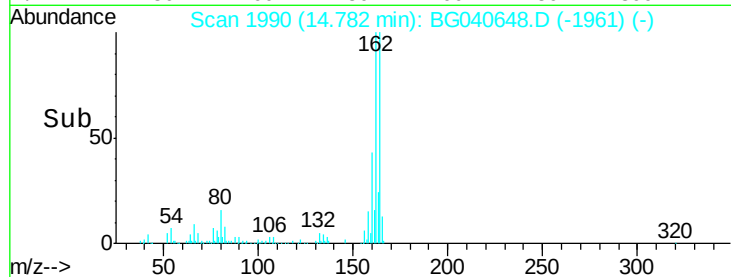
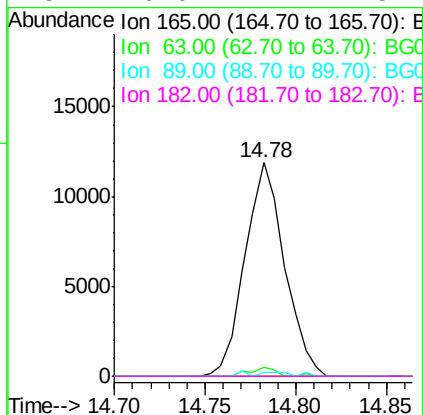
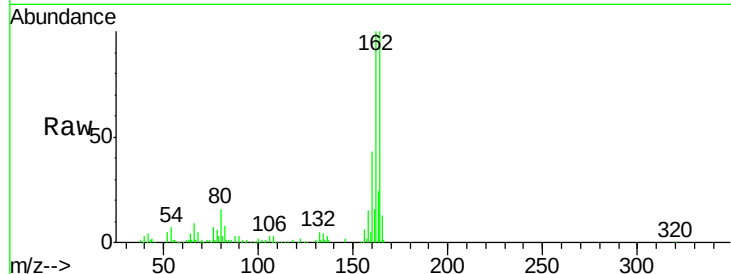




#57
 2,4-Dinitrotoluene
 Concen: 6.027 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

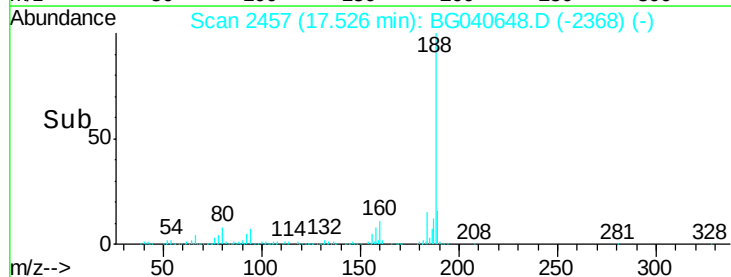
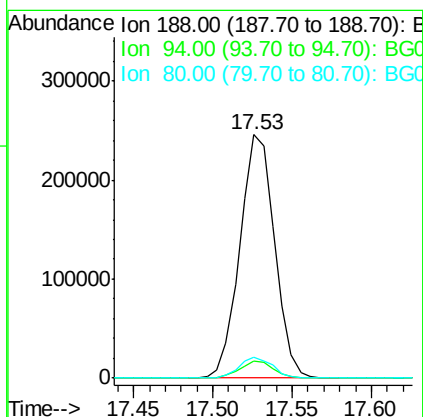
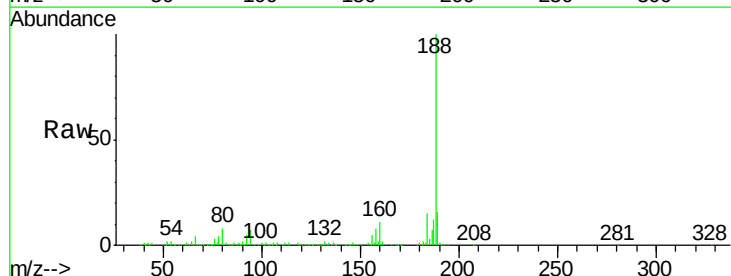
Instrument :
 BNA_G
 ClientSampleId :

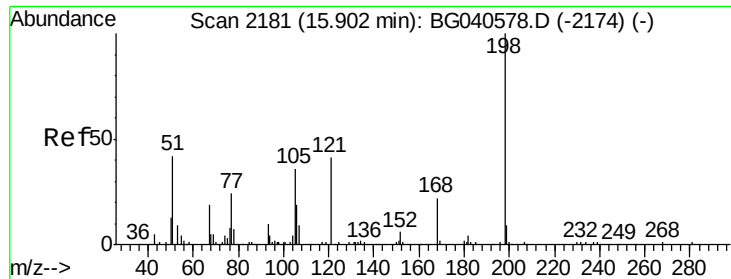
Tot Ion	Ratio	Lower	Upper
165	100		
63	4.4	45.8	68.8#
89	2.1	69.4	104.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BG040648.D
 Acq: 27 Apr 2019 4:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.6	8.4
80	8.5	6.4	9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.16 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

Instrument :

BNA_G

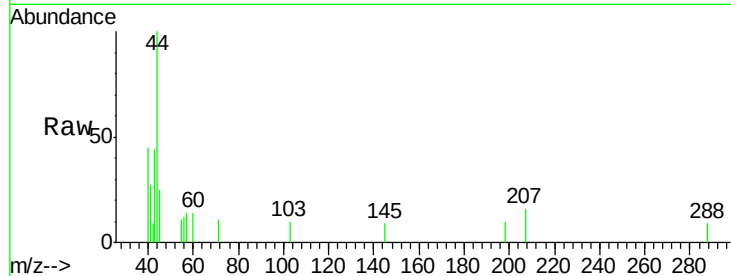
ClientSampled :

Tot Ion:198 Resp: 62

Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#

51 0.0 35.9 75.9#

105 0.0 21.2 61.2#

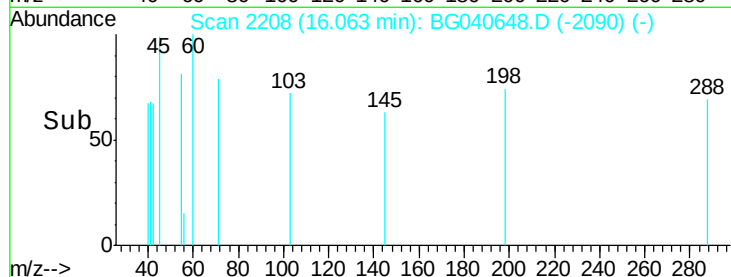


Abundance Ion 198.00 (197.70 to 198.70): E

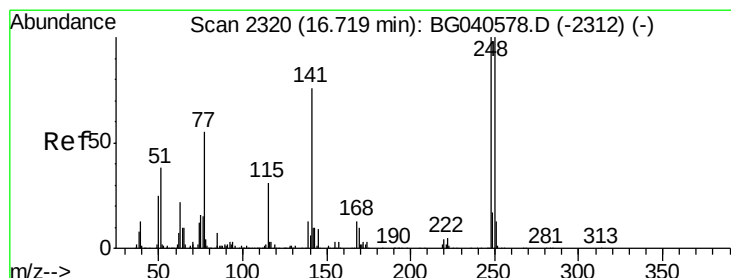
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time--> 16.04 16.06 16.08



Time--> 16.04 16.06 16.08



#67

4-Bromophenyl-phenylether

Concen: 5.000 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

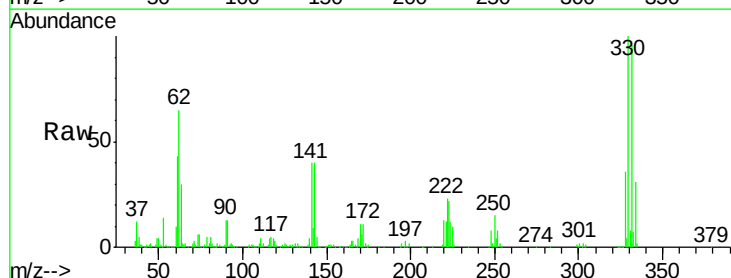
Tgt Ion:248 Resp: 23280

Ion	Ratio	Lower	Upper
248	100		
250	235.9	79.8	119.6#
141	497.2	60.8	91.2#

248 100

250 235.9 79.8 119.6#

141 497.2 60.8 91.2#

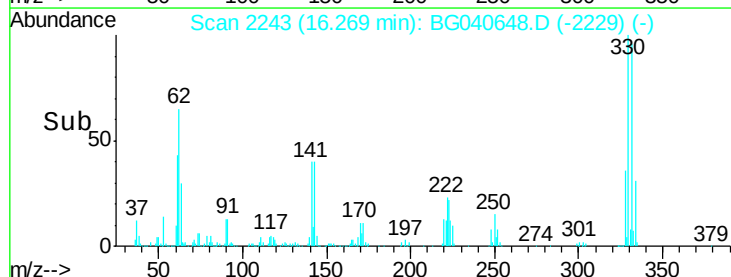


Abundance Ion 248.00 (247.70 to 248.70): E

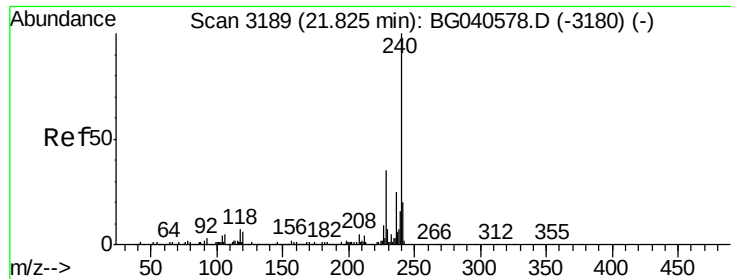
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.20 16.25 16.30



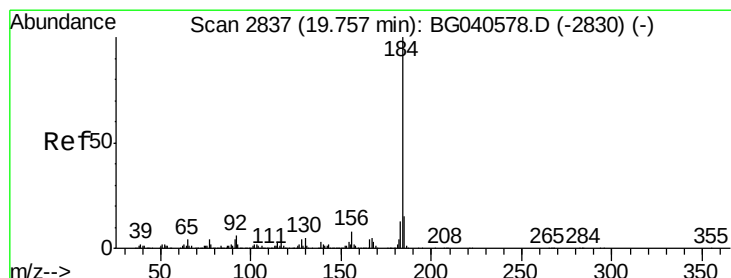
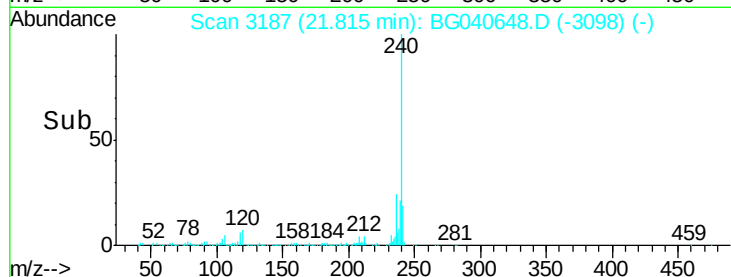
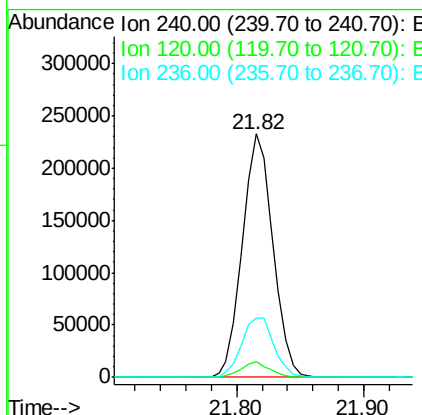
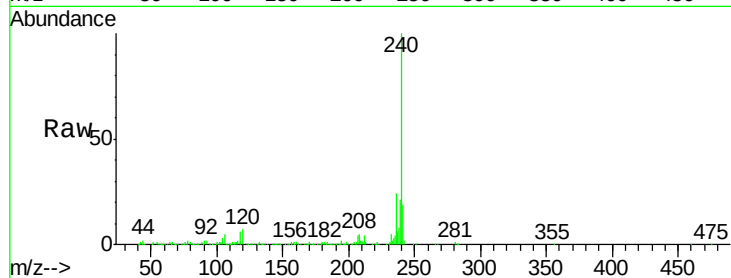
Time--> 16.20 16.25 16.30



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

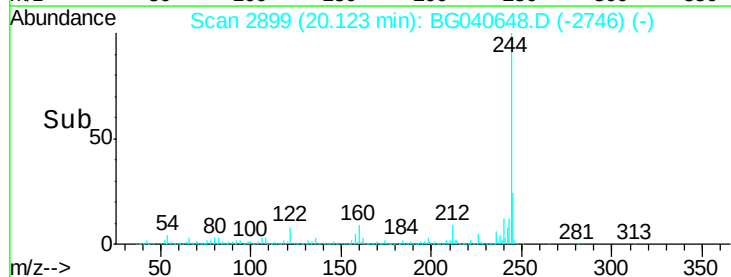
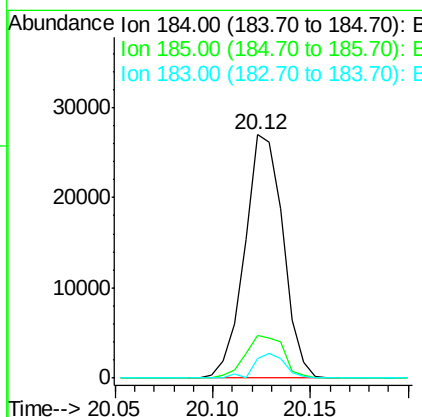
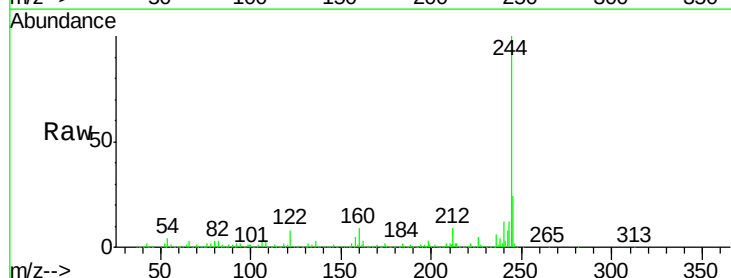
Instrument :
BNA_G
ClientSampleId :

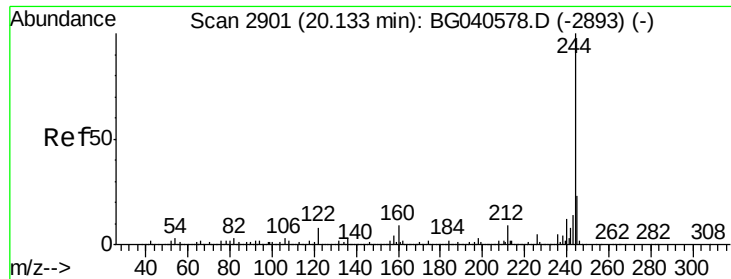
Tot Ion:240 Resp: 389466
Ion Ratio Lower Upper
240 100
120 6.7 5.0 7.6
236 24.5 20.3 30.5



#77
Benzidine
Concen: 3.432 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG040648.D
Acq: 27 Apr 2019 4:10

Tgt Ion:184 Resp: 36598
Ion Ratio Lower Upper
184 100
185 17.5 11.8 17.8
183 7.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 103.544 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

Instrument :

BNA_G

ClientSampleId :

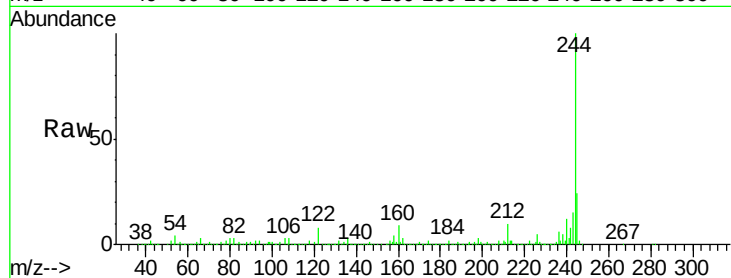
Tot Ion:244 Resp: 1820273

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

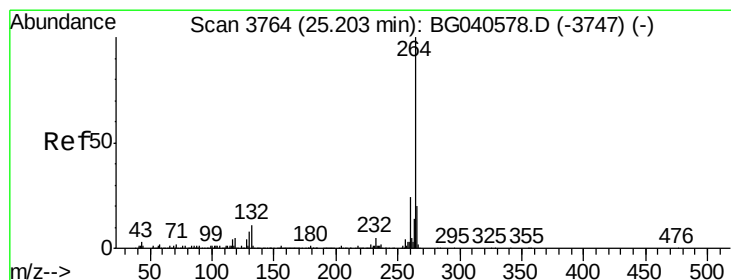
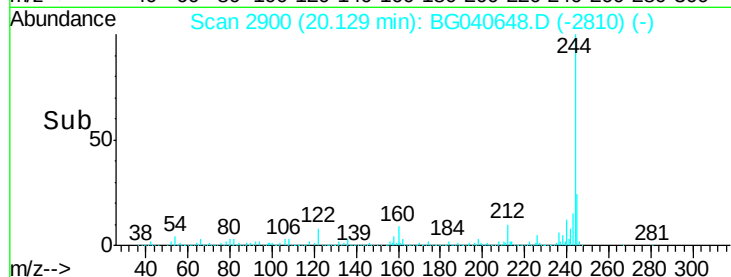
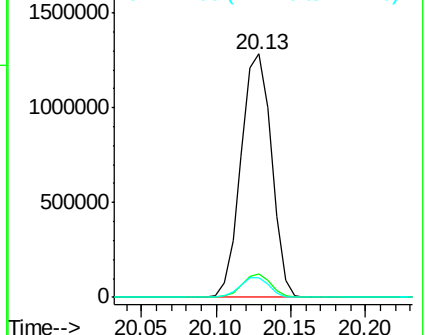
122 8.1 6.6 10.0



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# 3761

Delta R.T. -0.02 min

Lab File: BG040648.D

Acq: 27 Apr 2019 4:10

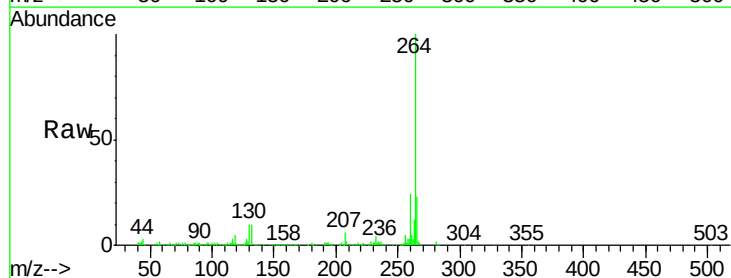
Tgt Ion:264 Resp: 404320

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.6 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

