

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040813.D
 Acq On : 9 May 2019 8:58
 Operator : HP/JU
 Sample : K2643-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 11:26:44 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	8.14	152	43117	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	165976	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	125907	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	346032	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	322731	20.00	ng	-0.03
87) Perylene-d12	25.16	264	216938	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	382056	156.20	ng	-0.01
7) Phenol-d6	7.28	99	519825	138.03	ng	-0.02
23) Nitrobenzene-d5	9.32	82	427840	119.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	262909	151.92	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	961425	110.28	ng	-0.02
79) Terphenyl-d14	20.11	244	1901638	130.54	ng	-0.02

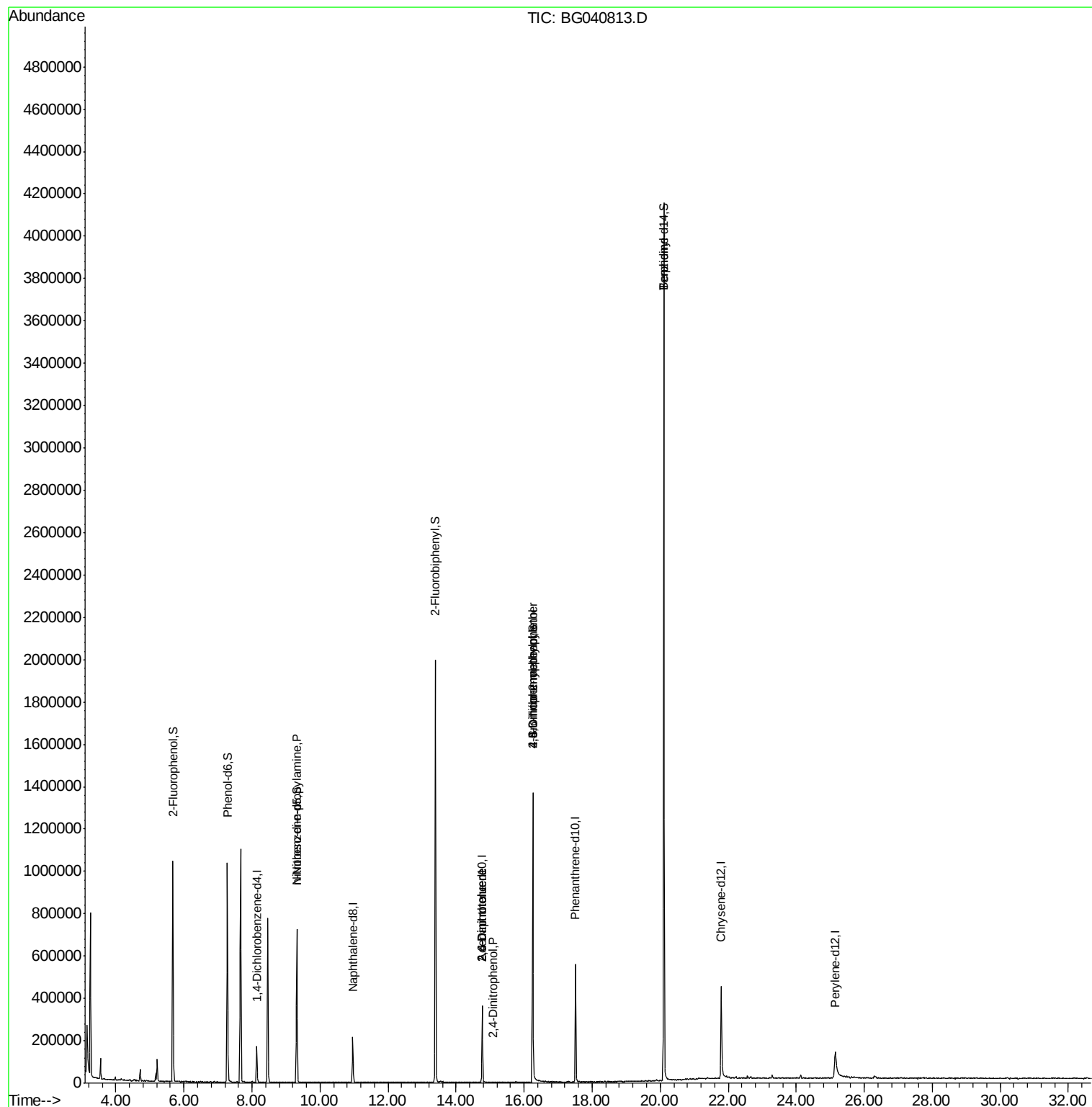
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	1180	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.32	70	62571	18.457	ng	# 74
51) 2,6-Dinitrotoluene	14.77	165	15894	7.731	ng	# 16
54) 2,4-Dinitrophenol	15.09	184	55	7.058	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	15894	5.689	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.25	198	792	7.497	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	19433	4.508	ng	# 1
77) Benzydine	20.11	184	35317	3.997	ng	# 91

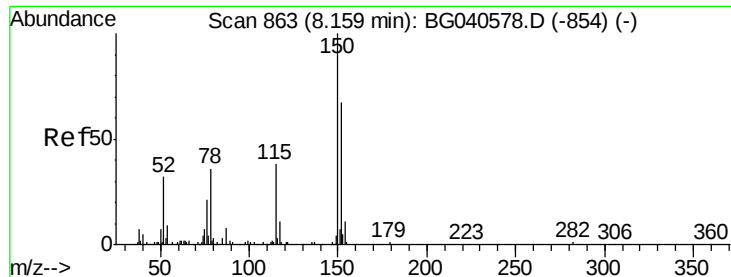
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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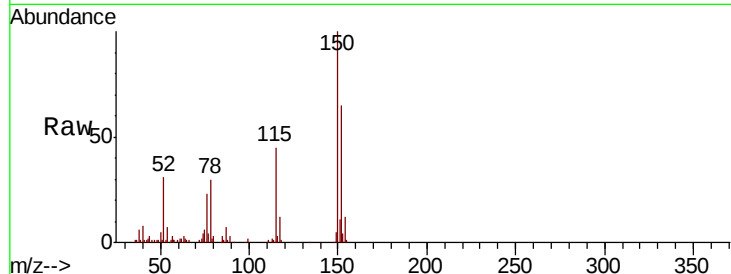


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	120.2	180.2
115	68.2	46.2	69.2

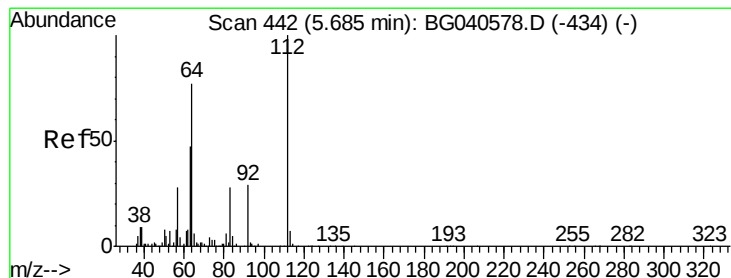
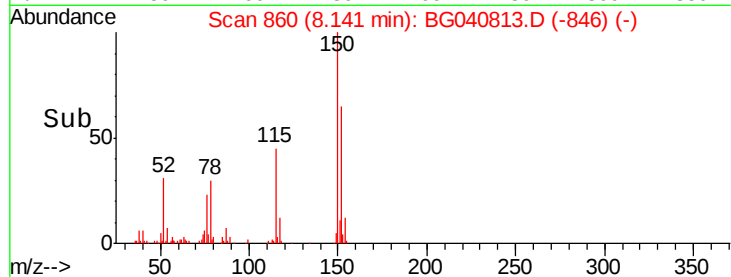
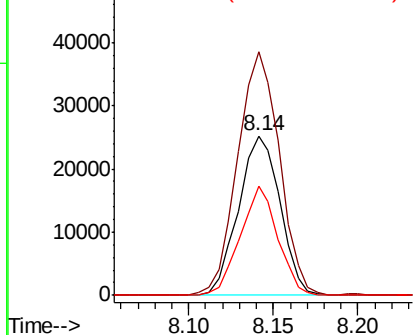


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

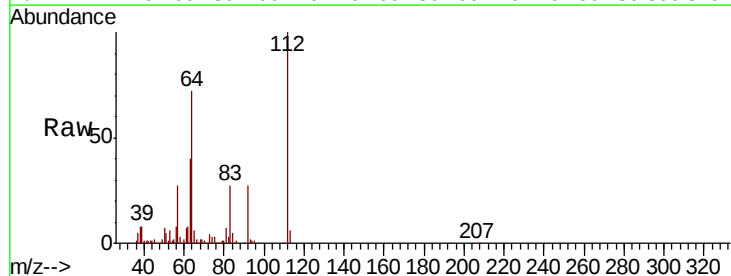
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 156.197 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	61.4	92.0
63	40.4	37.8	56.6

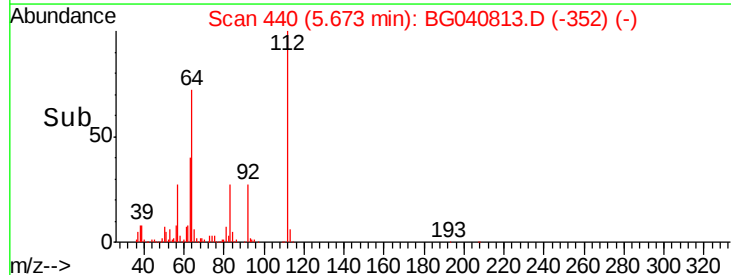
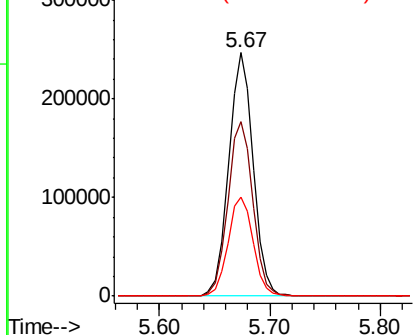


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 138.026 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

Instrument :

BNA_G

ClientSampleId :

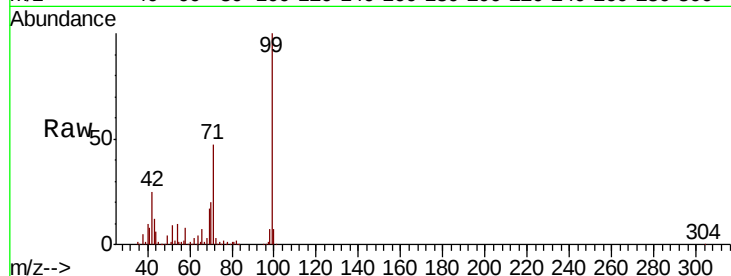
Tot Ion: 99 Resp: 519825

Ion Ratio Lower Upper

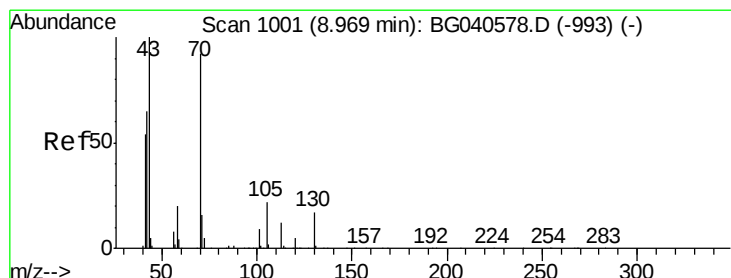
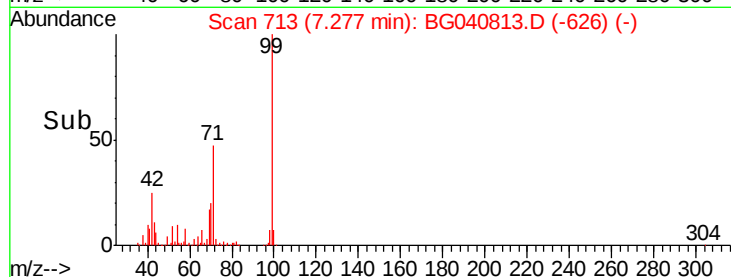
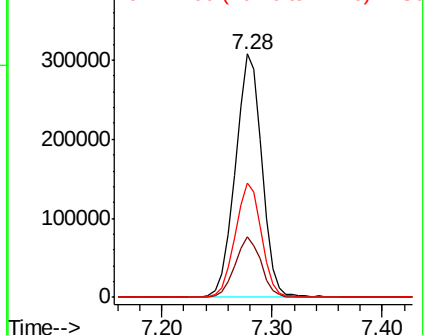
99 100

42 25.1 21.8 32.8

71 46.8 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: 18.457 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

Tgt Ion: 70 Resp: 62571

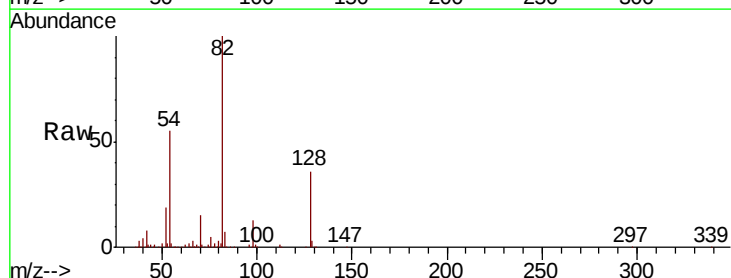
Ion Ratio Lower Upper

70 100

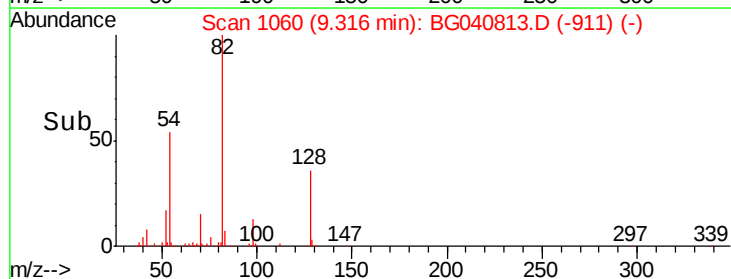
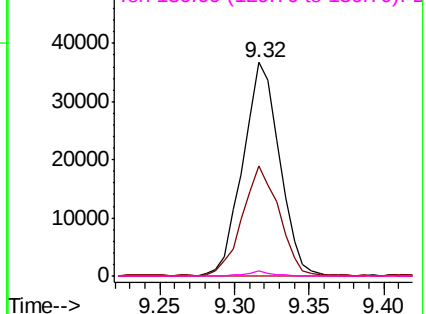
42 51.7 57.1 85.7#

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

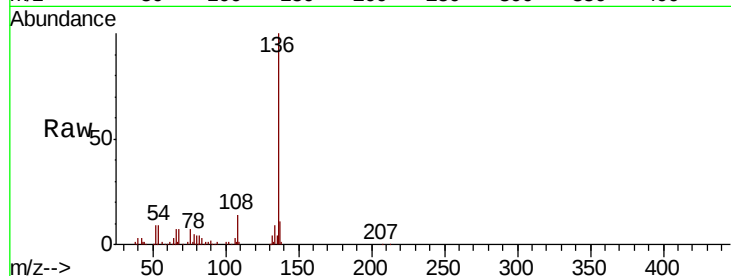




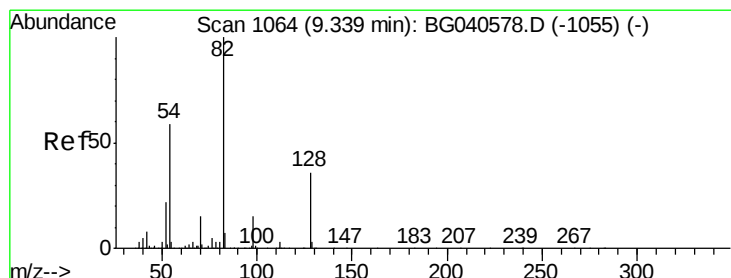
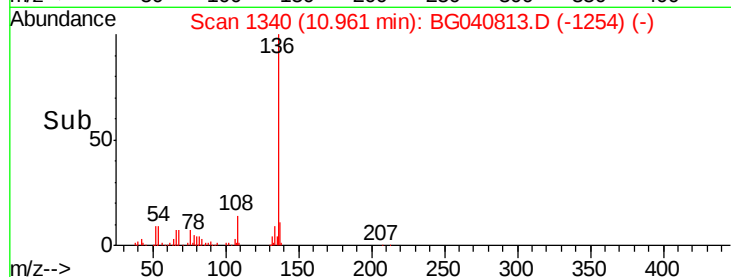
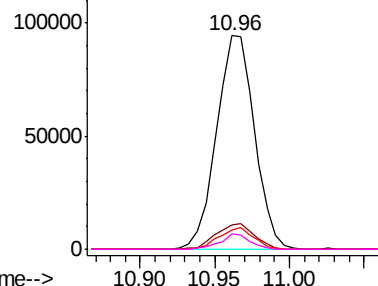
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	165976
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.7 14.5
54	9.3	8.6 12.8
68	6.9	4.8 7.2

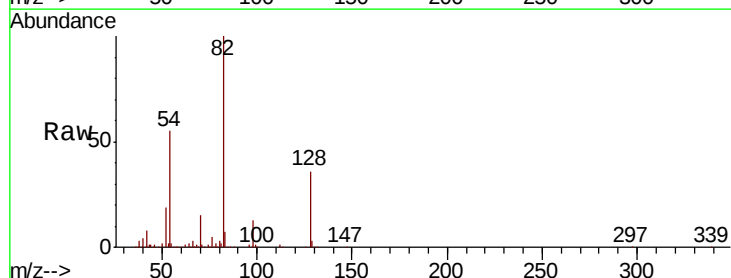


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

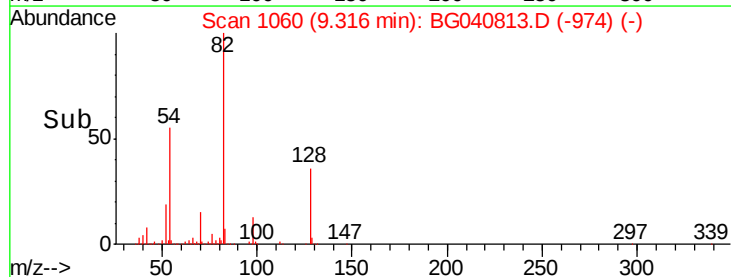
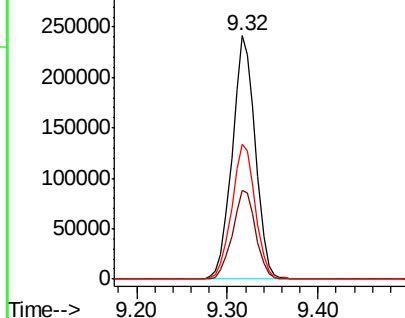


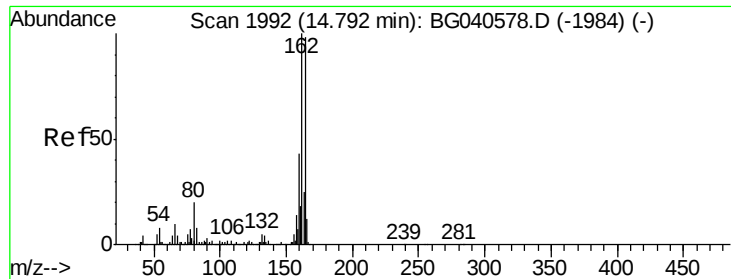
#23
Nitrobenzene-d5
Concen: 119.107 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Tgt Ion: 82	Resp:	427840
Ion	Ratio	Lower Upper
82	100	
128	36.3	28.9 43.3
54	55.2	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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

Instrument :

BNA_G

ClientSampled :

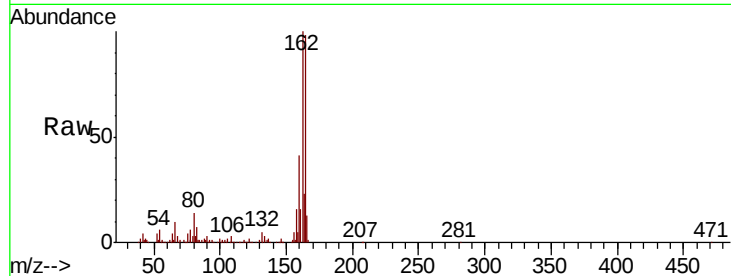
Tot Ion:164 Resp: 125907

Ion Ratio Lower Upper

164 100

162 102.0 81.9 122.9

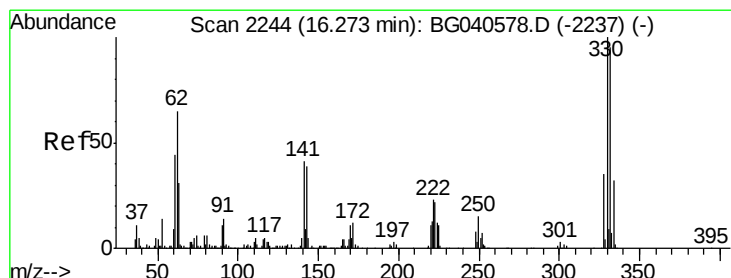
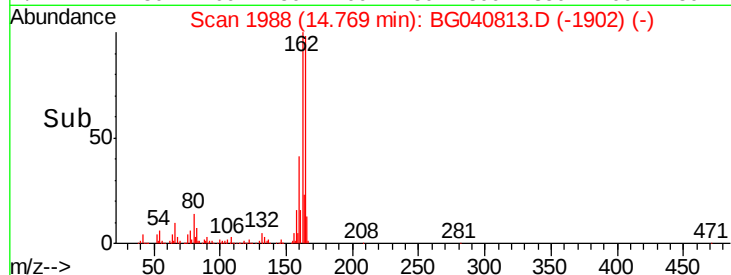
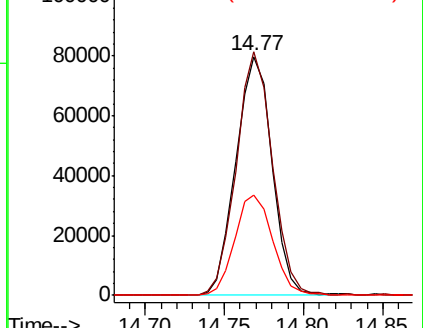
160 42.0 35.4 53.2



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: 151.916 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

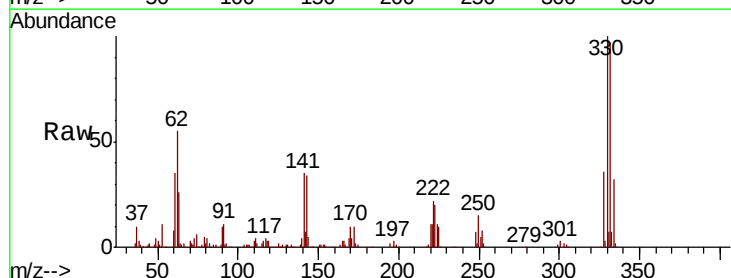
Tgt Ion:330 Resp: 262909

Ion Ratio Lower Upper

330 100

332 94.8 75.9 113.9

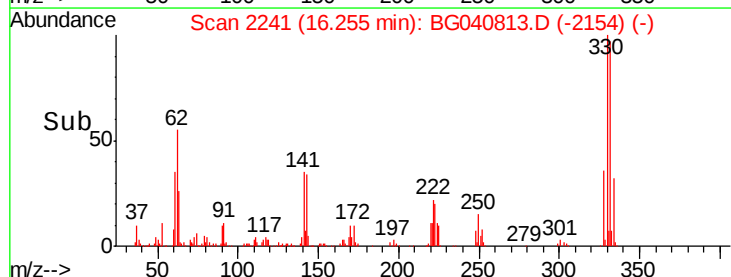
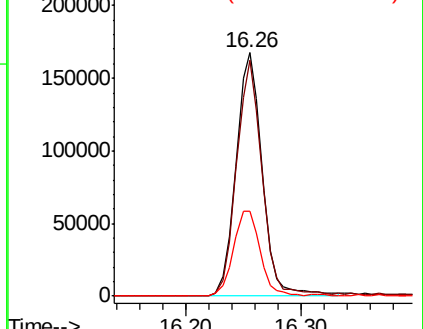
141 35.8 32.4 48.6



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

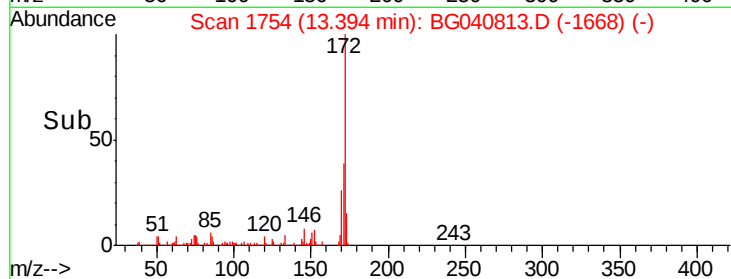
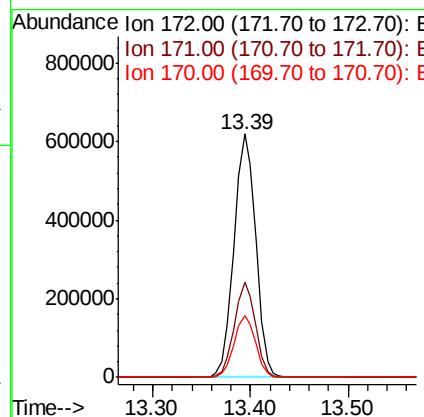
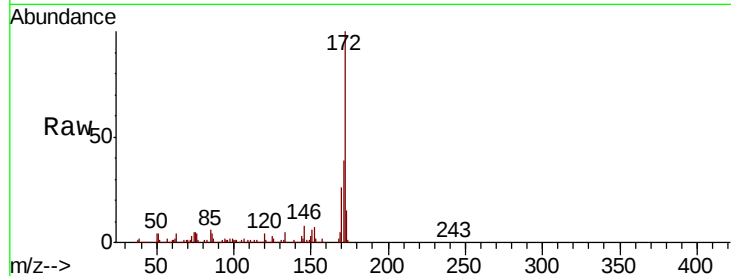




#45
 2-Fluorobiphenyl
 Concen: 110.279 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040813.D
 Acq: 9 May 2019 8:58

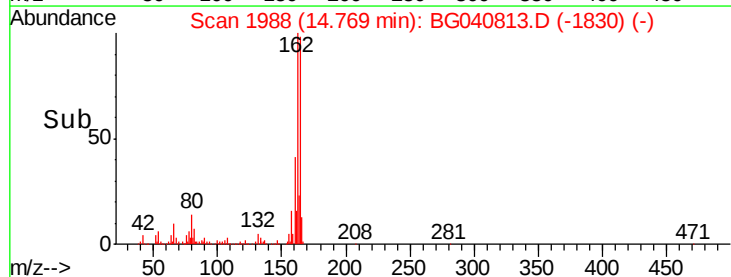
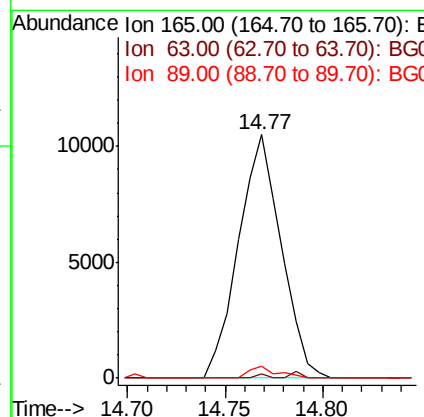
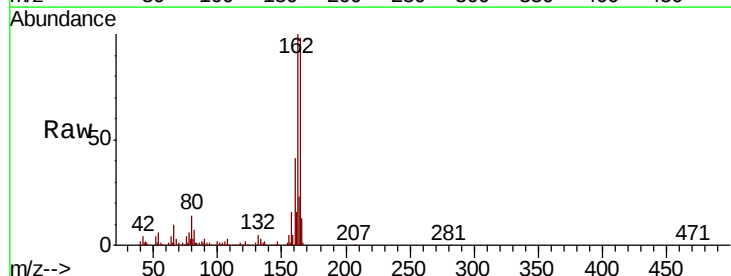
Instrument :
 BNA_G
 ClientSampleId :

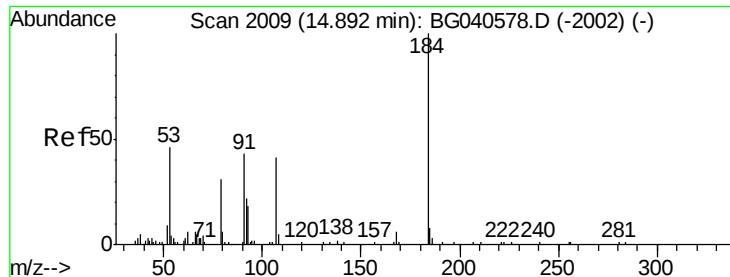
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.4	44.2
170	25.5	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.731 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040813.D
 Acq: 9 May 2019 8:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	61.0	91.4#
89	4.7	58.6	87.8#

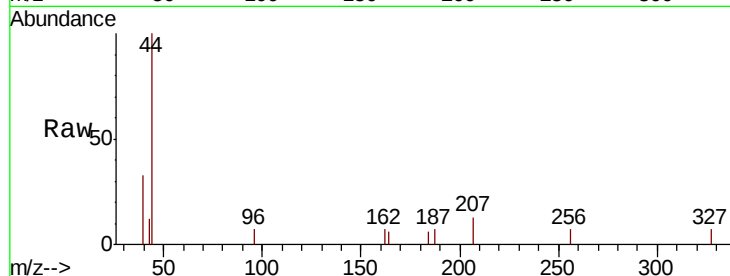




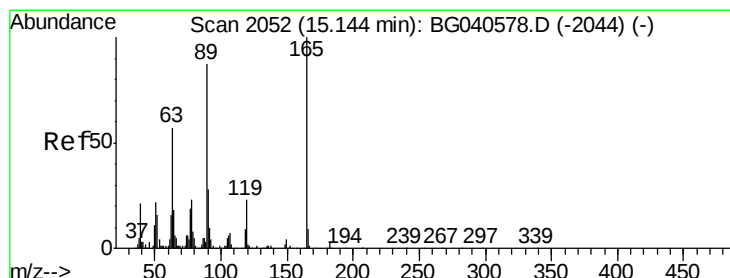
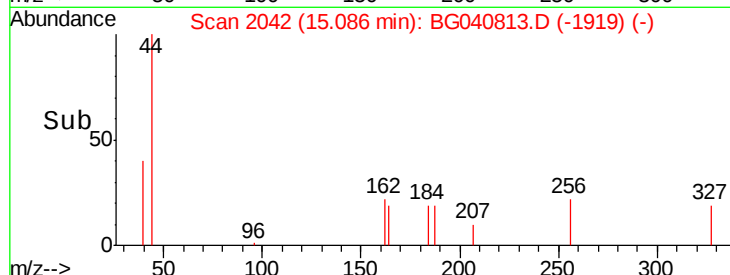
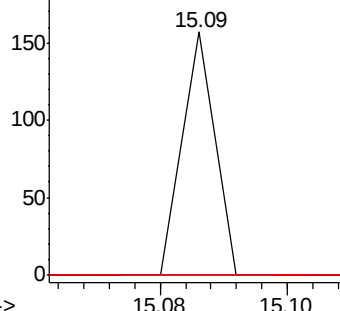
#54
2,4-Dinitrophenol
Concen: 7.058 ng
RT: 15.09 min Scan# 2042
Delta R.T. 0.20 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

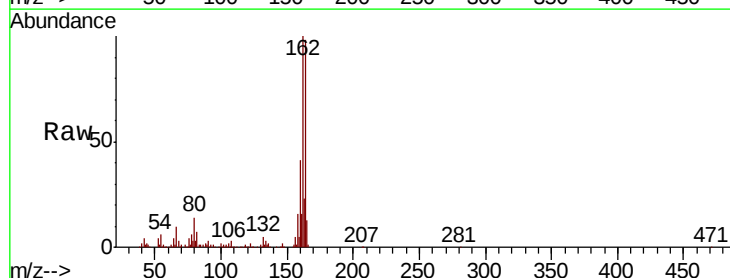


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

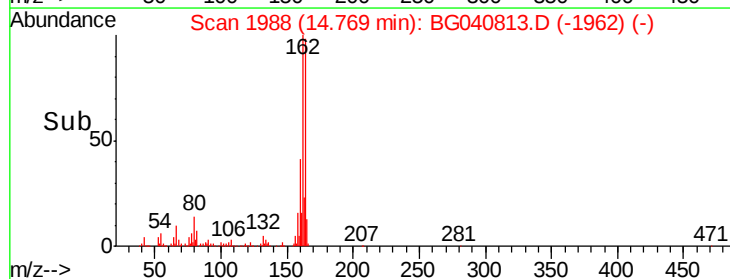
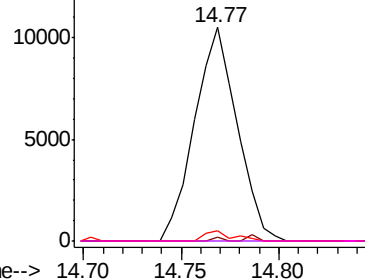


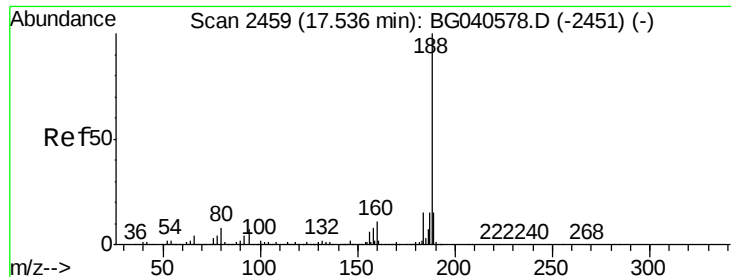
#57
2,4-Dinitrotoluene
Concen: 5.689 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Tgt Ion:165 Resp: 15894
Ion Ratio Lower Upper
165 100
63 1.9 45.8 68.8#
89 4.7 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): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

Instrument :

BNA_G

ClientSampleId :

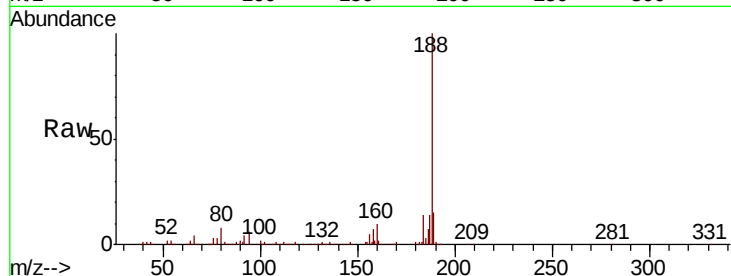
Tot Ion:188 Resp: 346032

Ion Ratio Lower Upper

188 100

94 5.7 5.6 8.4

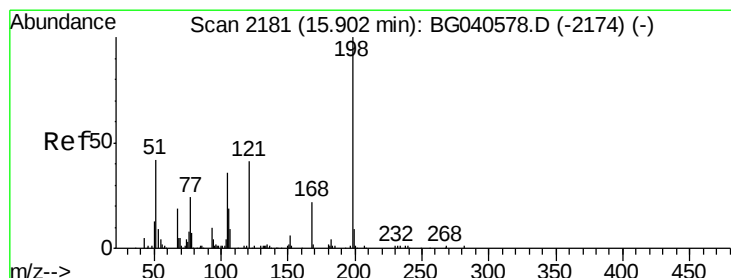
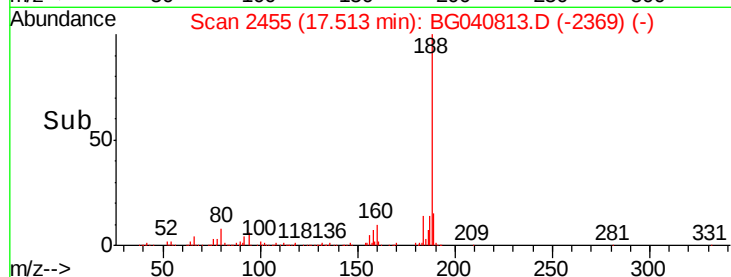
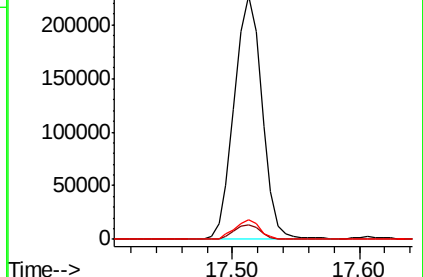
80 8.0 6.4 9.6



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: 7.497 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

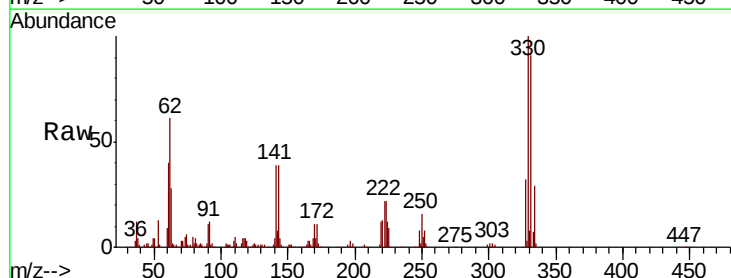
Tgt Ion:198 Resp: 792

Ion Ratio Lower Upper

198 100

51 123.0 35.9 75.9#

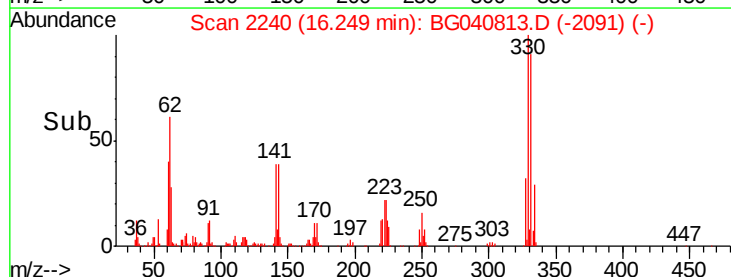
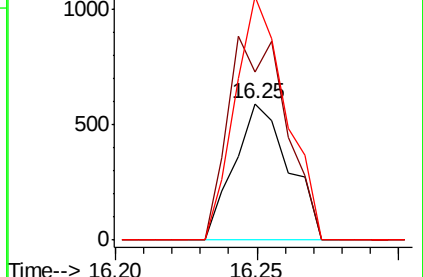
105 178.5 21.2 61.2#

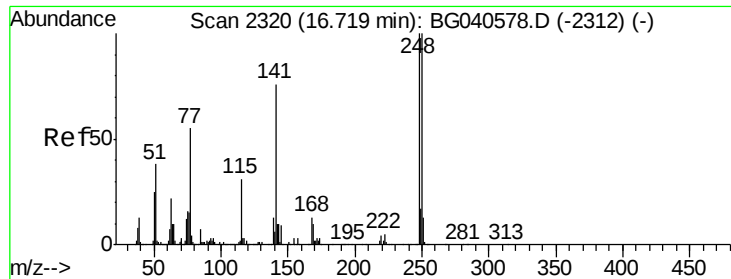


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

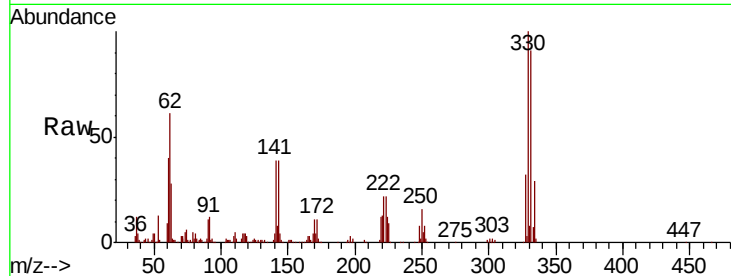




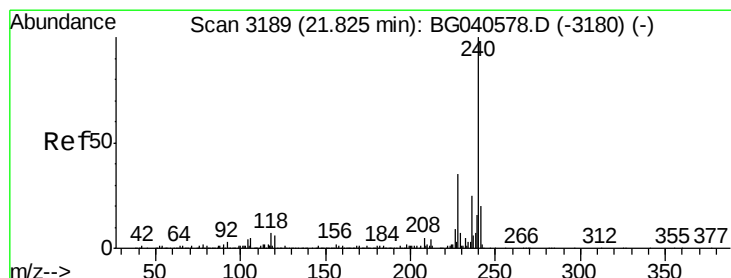
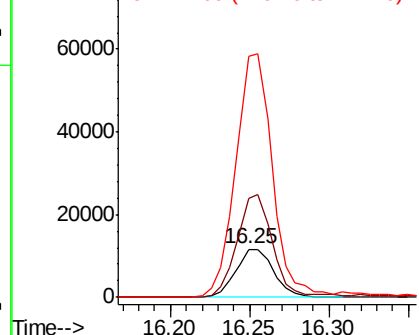
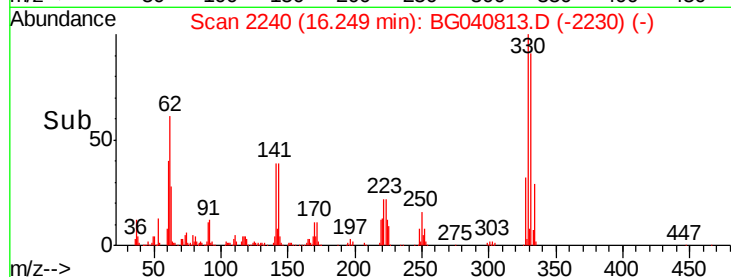
#67
 4-Bromophenyl-phenylether
 Concen: 4.508 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040813.D
 Acq: 9 May 2019 8:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19433
 Ion Ratio Lower Upper
 248 100
 250 206.7 79.8 119.6#
 141 502.8 60.8 91.2#

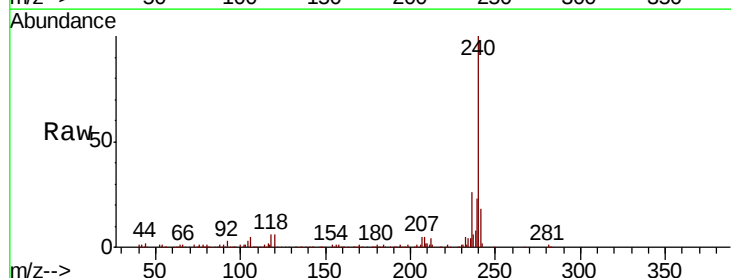


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

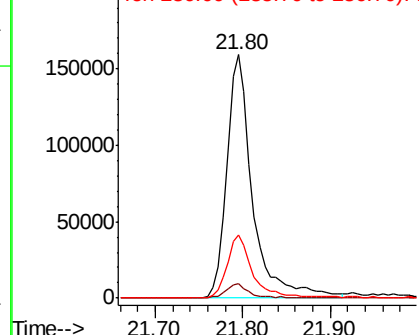
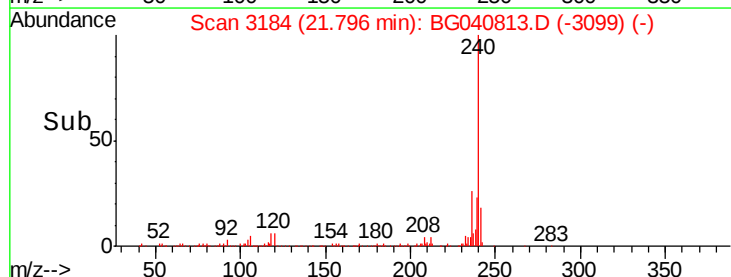


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040813.D
 Acq: 9 May 2019 8:58

Tgt Ion:240 Resp: 322731
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.6
 236 26.1 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: 3.997 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

Instrument :

BNA_G

ClientSampleId :

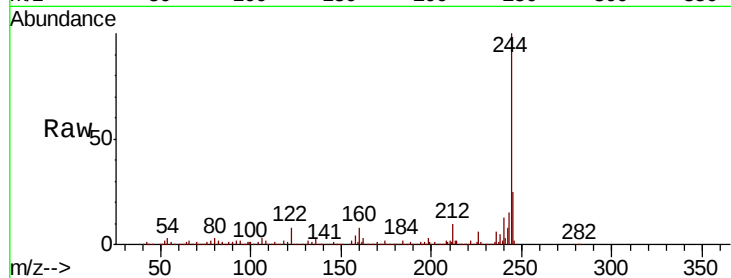
Tot Ion:184 Resp: 35317

Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.8

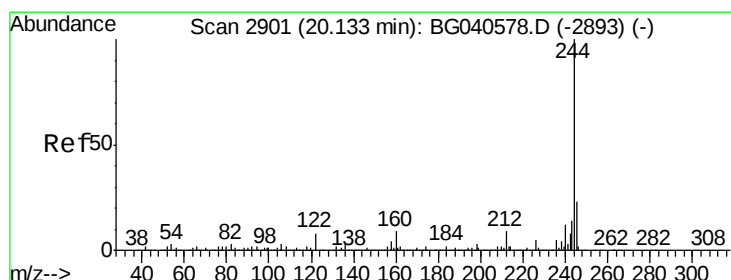
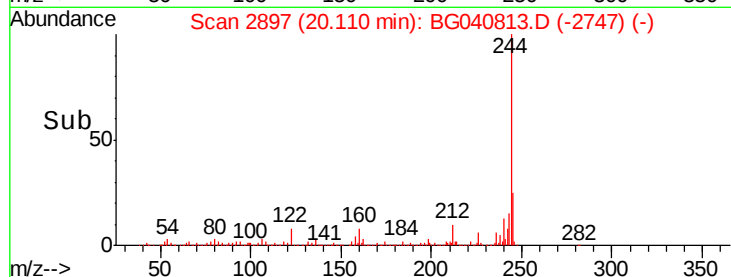
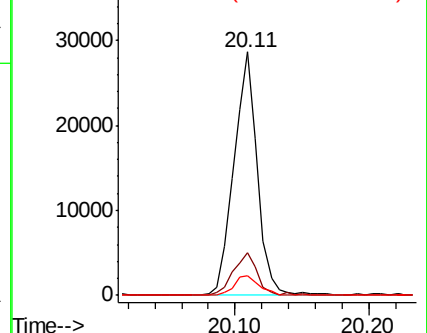
183 8.0 10.2 15.2#



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: 130.540 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040813.D

Acq: 9 May 2019 8:58

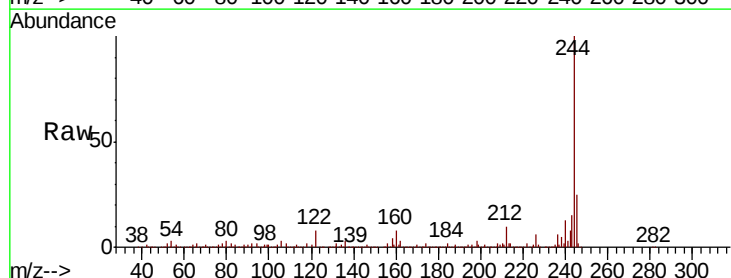
Tgt Ion:244 Resp: 1901638

Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

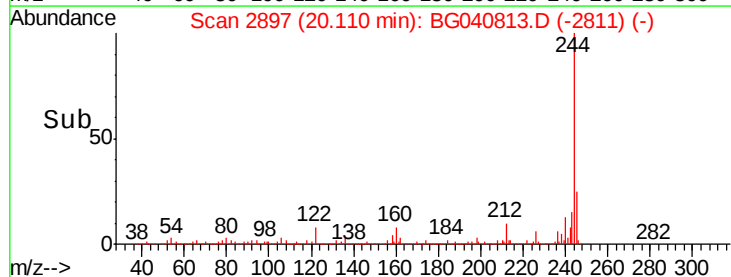
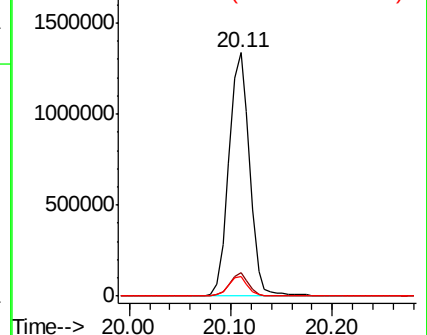
122 7.9 6.6 10.0



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: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040813.D
Acq: 9 May 2019 8:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	19.5	19.2	28.8
265	20.0	16.6	25.0

