

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050919\
 Data File : BG040840.D
 Acq On : 10 May 2019 7:46
 Operator : HP/JU
 Sample : K2764-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 10 09:00:00 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

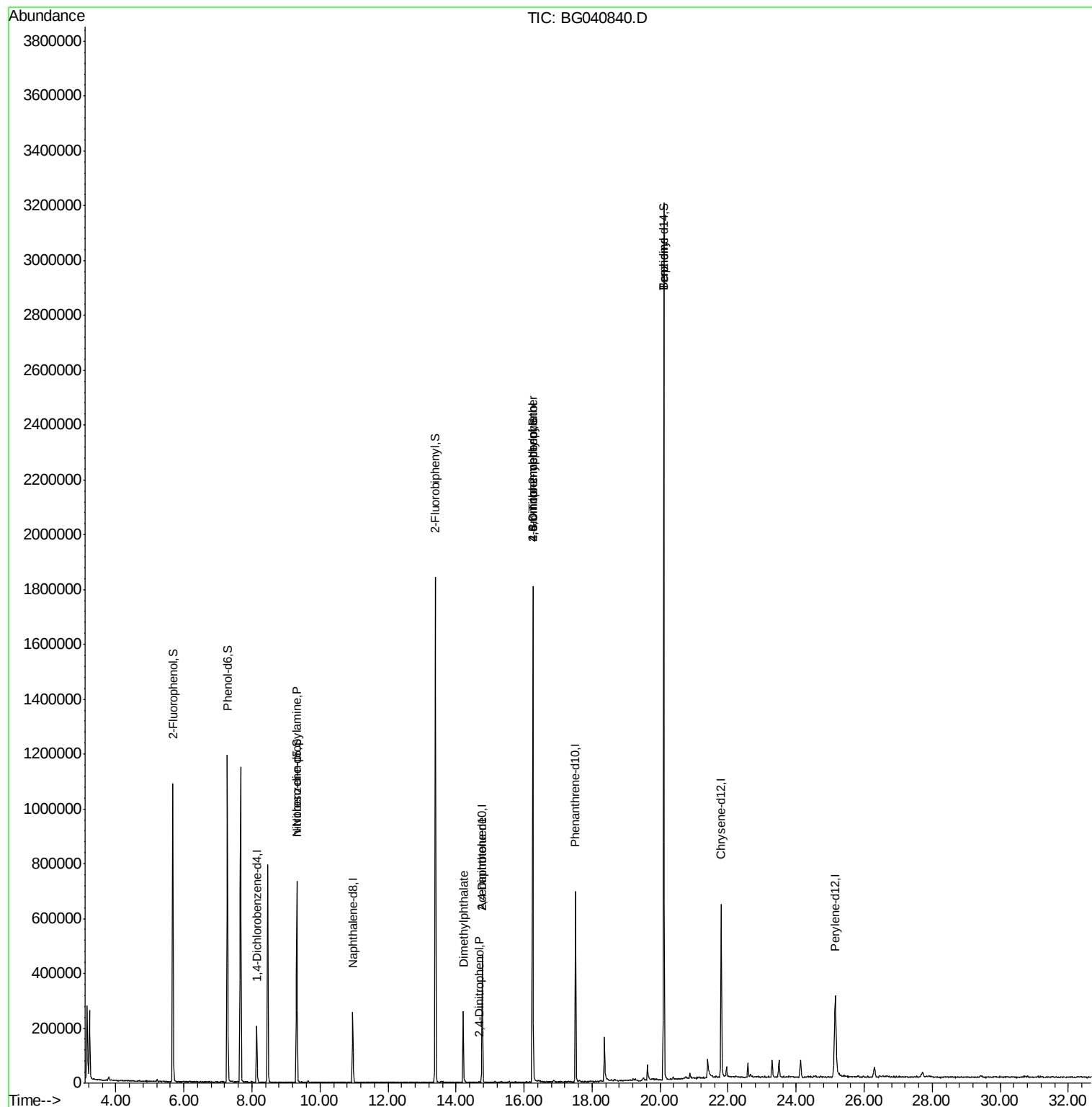
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	50704	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	209188	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	161171	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	424683	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	408722	20.00	ng	-0.03
87) Perylene-d12	25.15	264	391409	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	416198	144.69	ng	0.00
7) Phenol-d6	7.28	99	626309	141.42	ng	-0.01
23) Nitrobenzene-d5	9.32	82	432405	95.51	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	333789	150.67	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	900595	80.70	ng	-0.02
79) Terphenyl-d14	20.10	244	1534029	83.15	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.28	77	1391	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	61489	15.423	ng	# 77
50) Dimethylphthalate	14.21	163	165135	12.246	ng	# 99
54) 2,4-Dinitrophenol	14.68	184	53	7.047	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	20395	5.703	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.25	198	1162	7.574	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	24726	4.673	ng	# 1
77) Benzydine	20.10	184	25621	2.289	ng	97

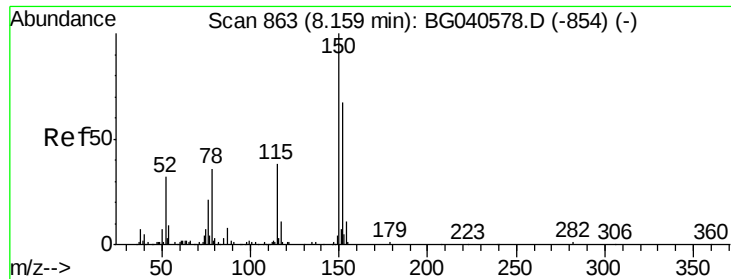
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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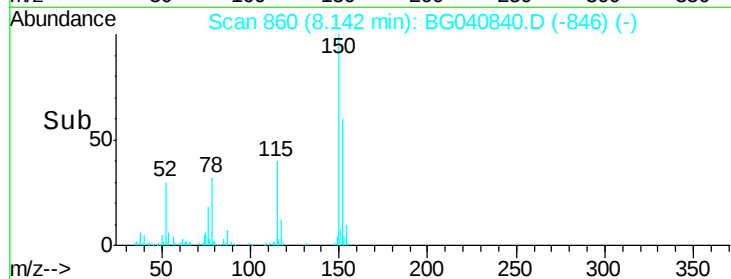
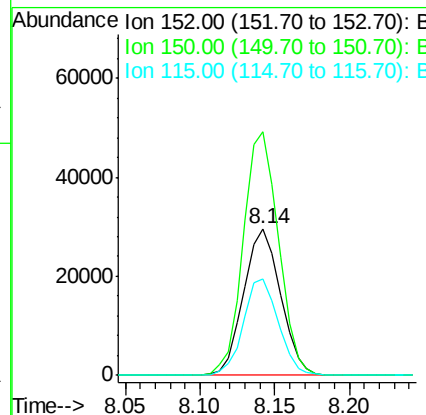
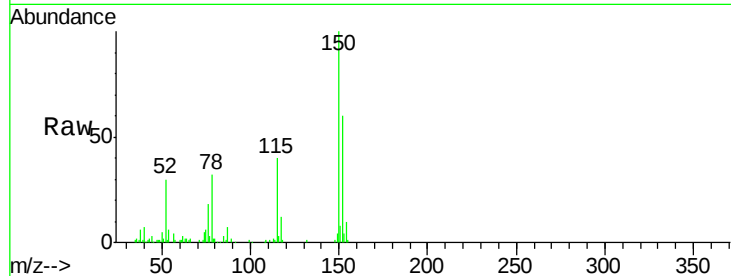


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Instrument :
BNA_G
ClientSampleId :

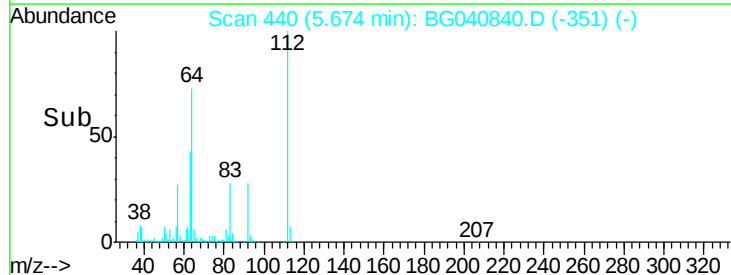
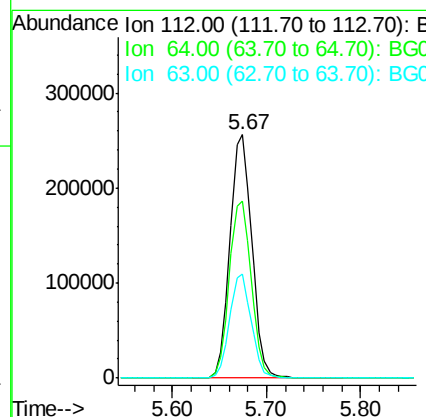
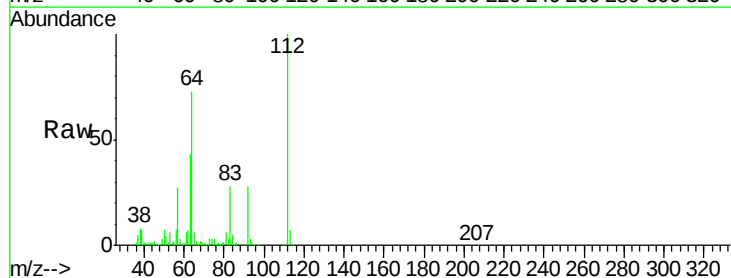
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.1	120.2	180.2
115	66.1	46.2	69.2

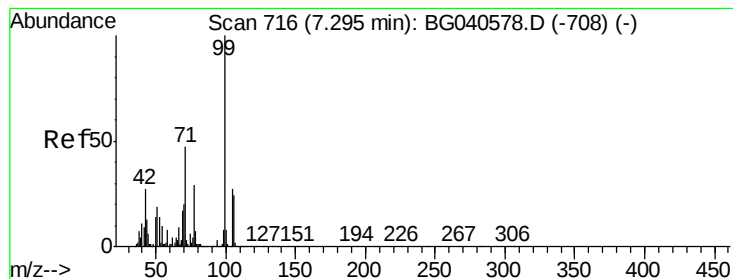


#5

2-Fluorophenol
Concen: 144.695 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	61.4	92.0
63	43.0	37.8	56.6





#7

Phenol-d6

Concen: 141.416 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040840.D

Acq: 10 May 2019 7:46

Instrument :

BNA_G

ClientSampleId :

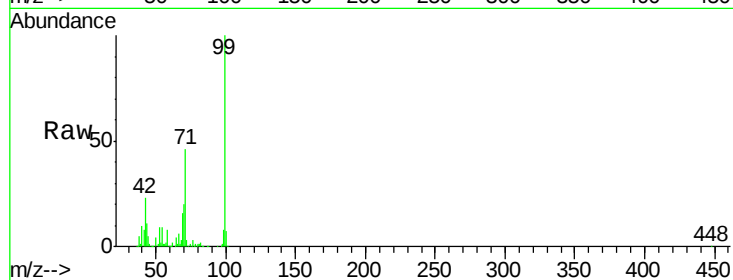
Tot Ion: 99 Resp: 626309

Ion Ratio Lower Upper

99 100

42 22.9 21.8 32.8

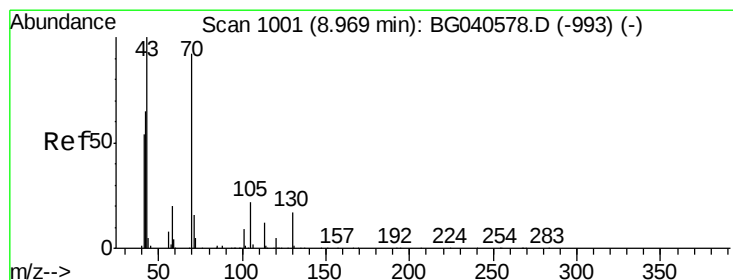
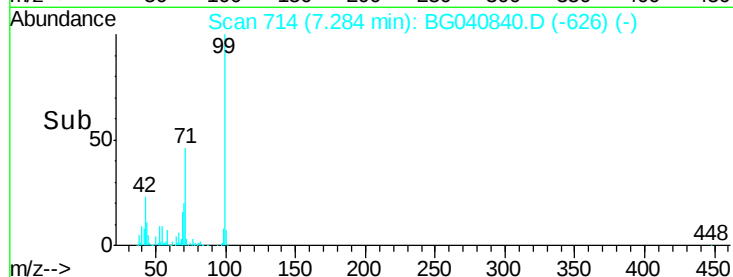
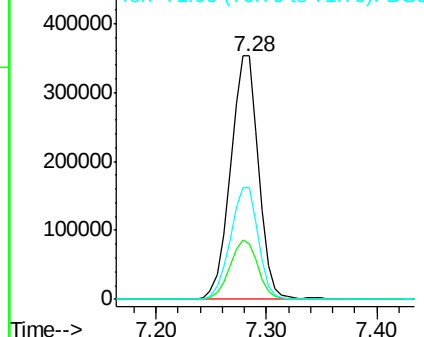
71 45.8 38.6 57.8



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: 15.423 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040840.D

Acq: 10 May 2019 7:46

Tgt Ion: 70 Resp: 61489

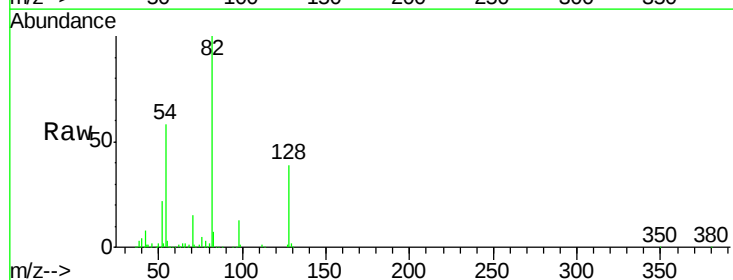
Ion Ratio Lower Upper

70 100

42 55.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.9 14.6 21.8#

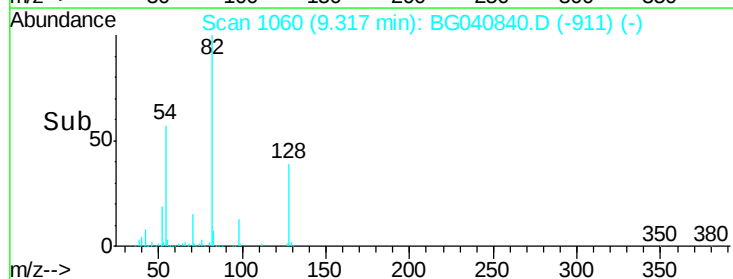
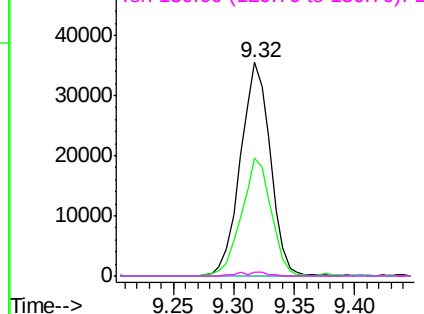


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

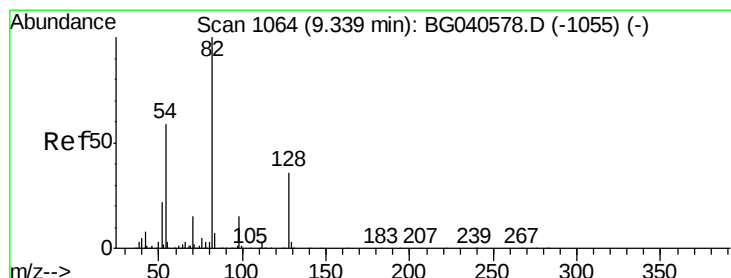
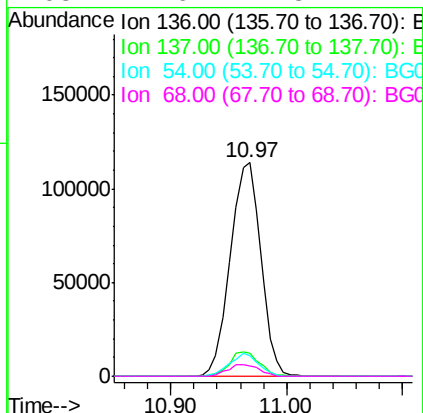
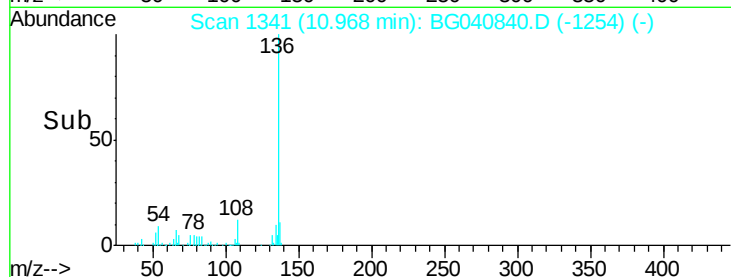
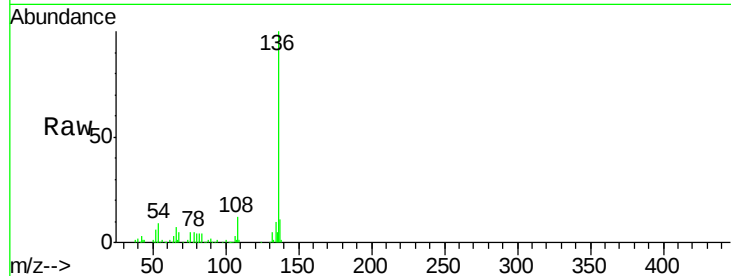




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

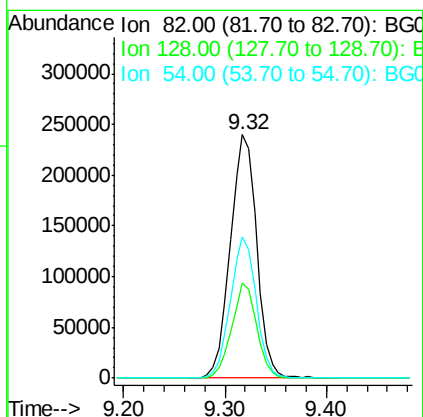
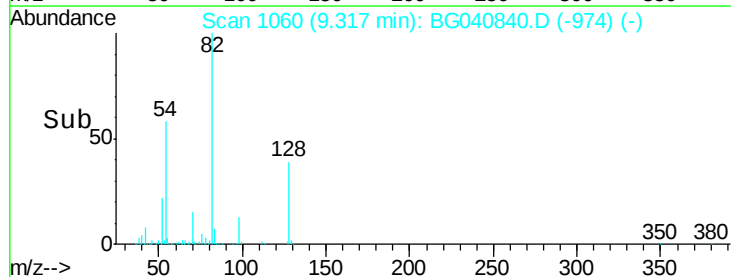
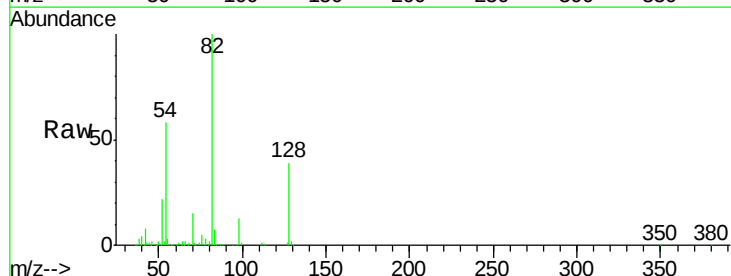
Instrument :
BNA_G
ClientSampleId :

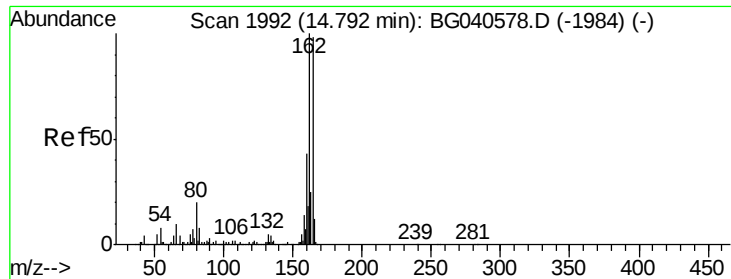
Tot Ion:136	Resp:	209188
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.7 14.5
54	9.4	8.6 12.8
68	4.6	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 95.511 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Tgt Ion: 82	Resp:	432405
Ion Ratio	Lower	Upper
82	100	
128	39.0	28.9 43.3
54	58.0	47.2 70.8

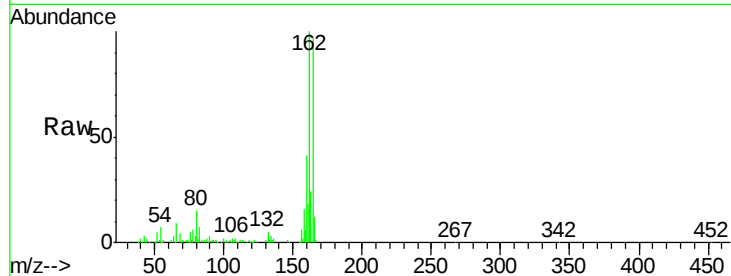




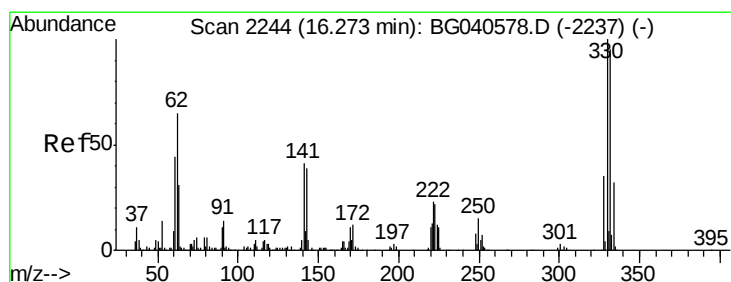
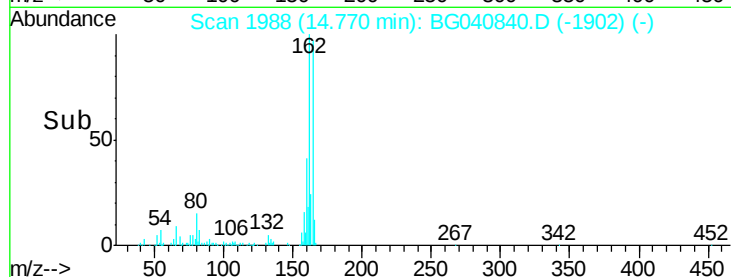
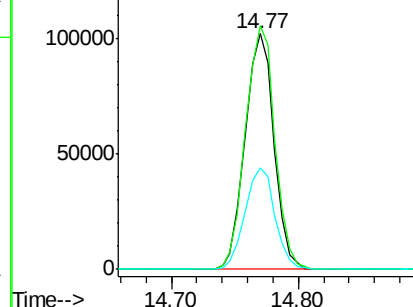
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 161171
Ion Ratio Lower Upper
164 100
162 103.5 81.9 122.9
160 42.9 35.4 53.2

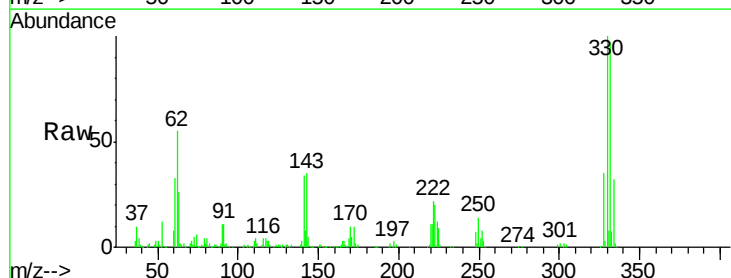


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

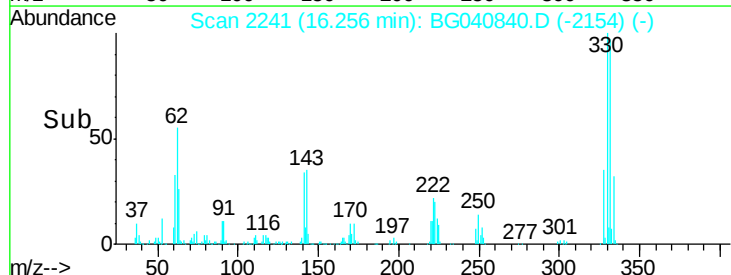
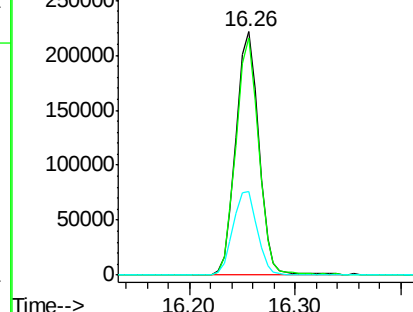


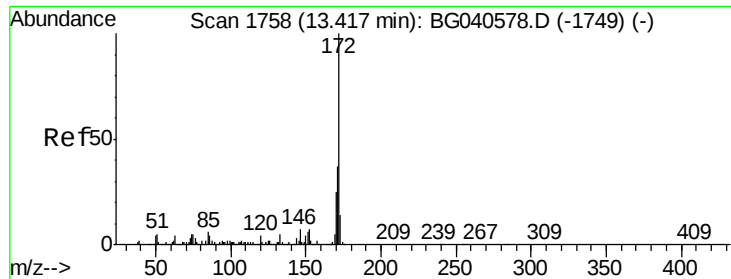
#42
2,4,6-Tribromophenol
Concen: 150.672 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Tgt Ion:330 Resp: 333789
Ion Ratio Lower Upper
330 100
332 96.8 75.9 113.9
141 36.1 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

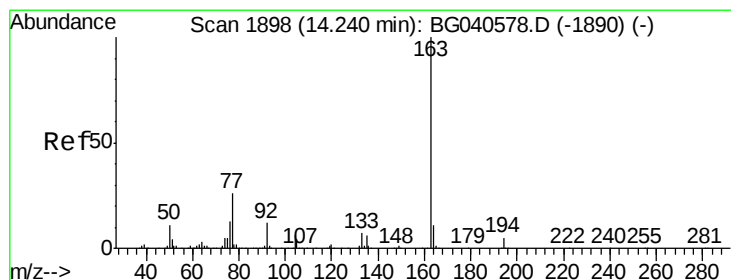
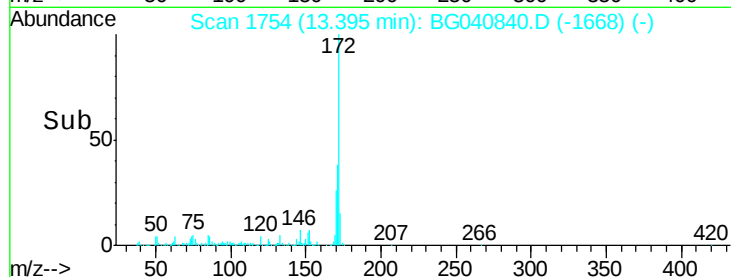
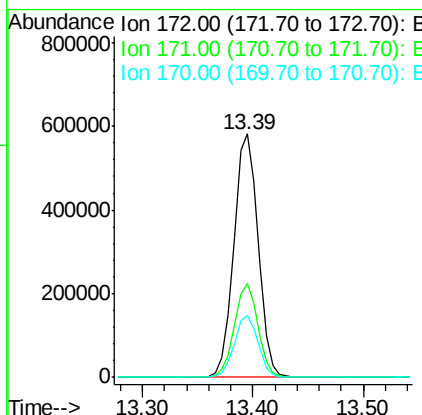
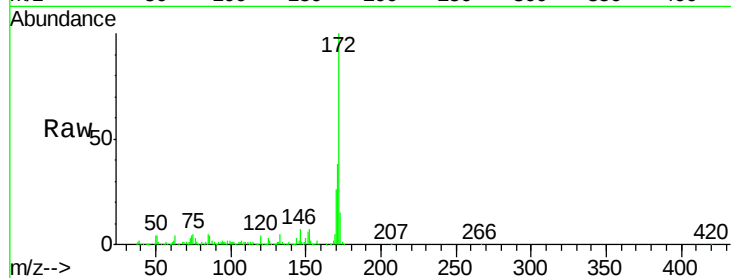




#45
2-Fluorobiphenyl
Concen: 80.699 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

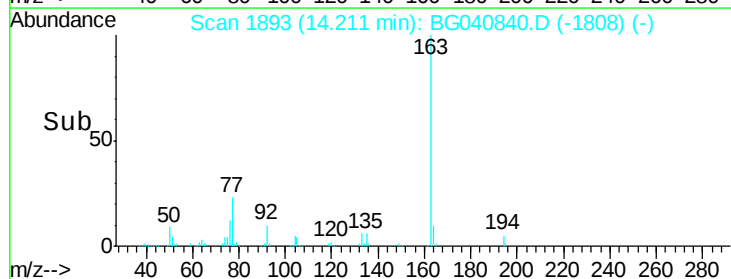
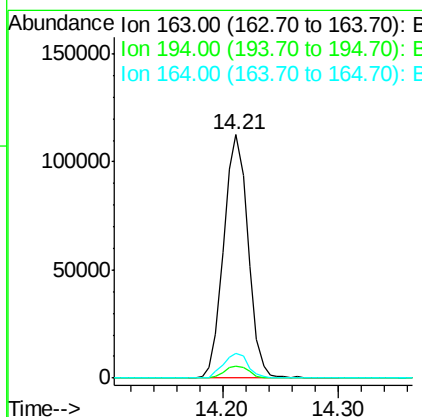
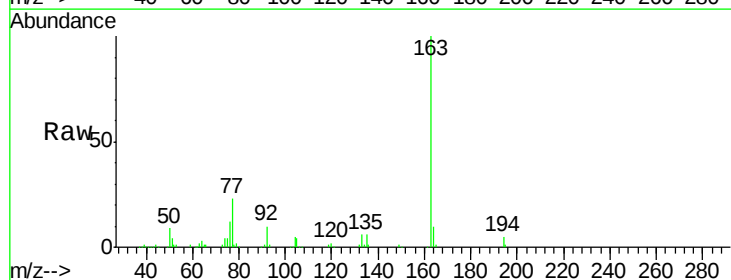
Instrument :
BNA_G
ClientSampleId :

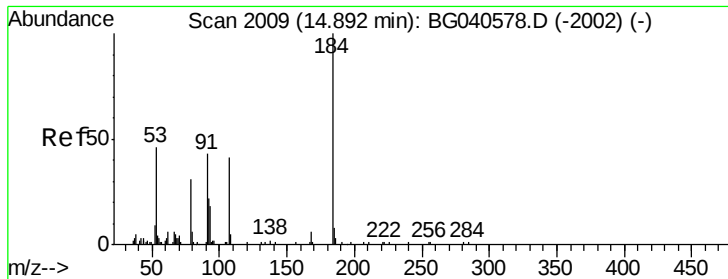
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	25.5	19.9	29.9



#50
Dimethylphthalate
Concen: 12.246 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.2	8.8	13.2

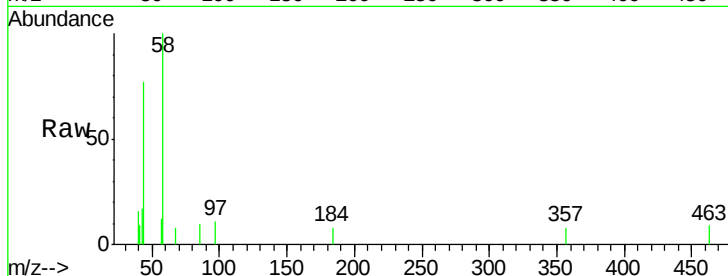




#54
2,4-Dinitrophenol
Concen: 7.047 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.21 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

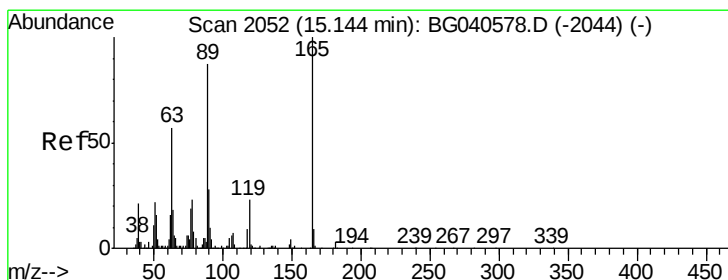
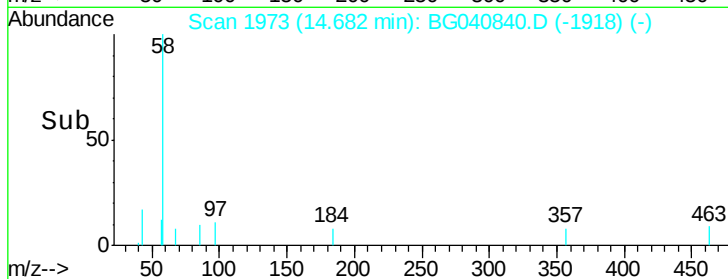
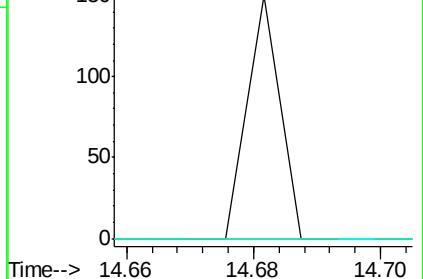
Instrument :
BNA_G
ClientSampleId :

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



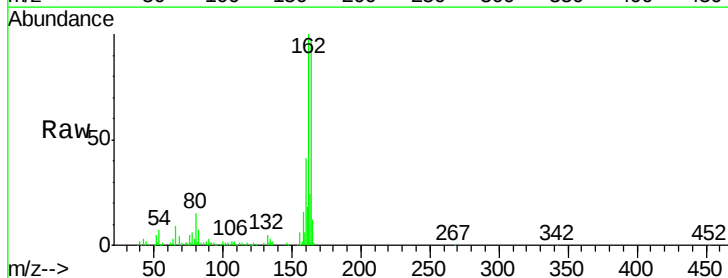
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

14.68



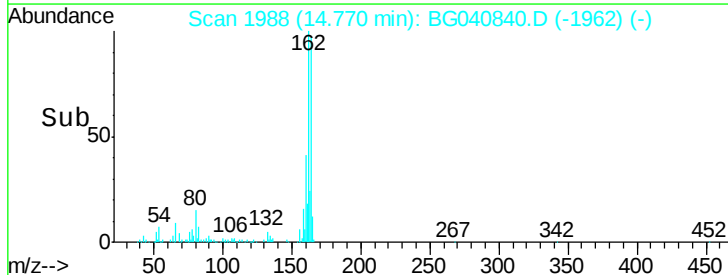
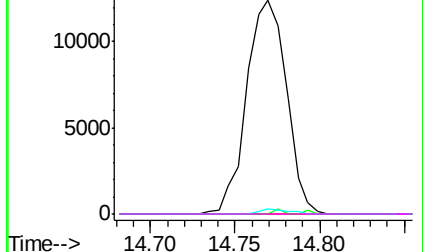
#57
2,4-Dinitrotoluene
Concen: 5.703 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

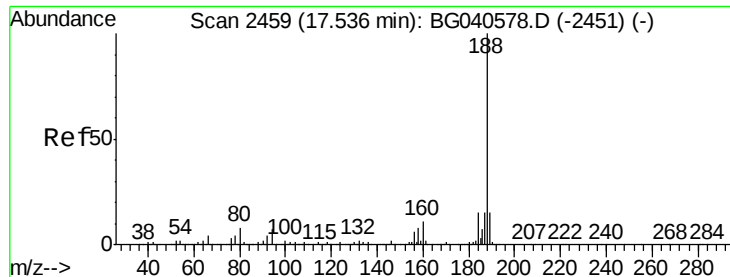
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.8	68.8#
89	2.3	69.4	104.2#
182	0.0	2.2	3.4#



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

14.77

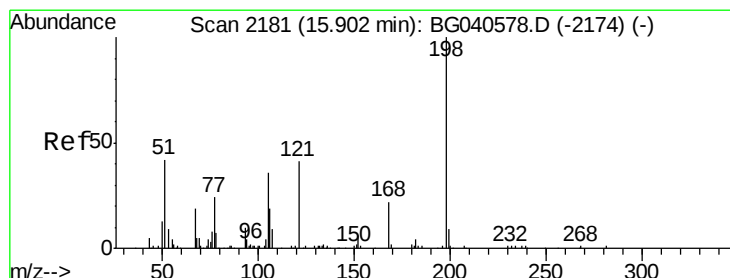
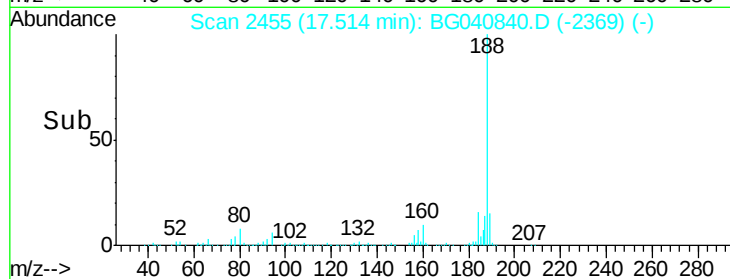
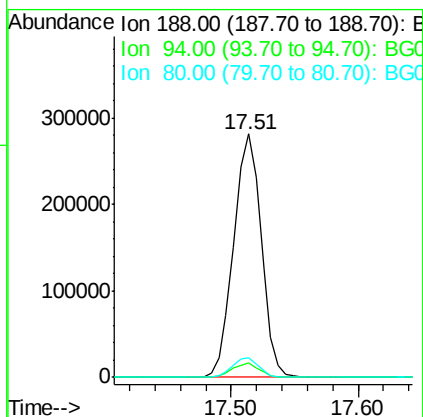
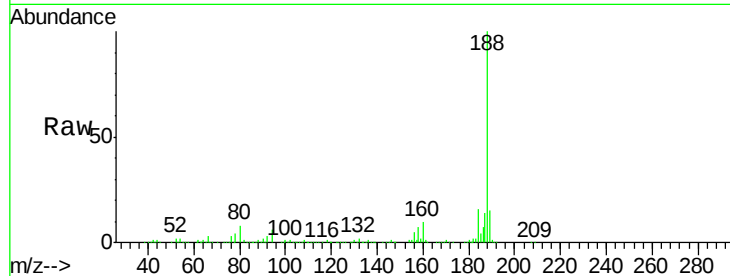




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

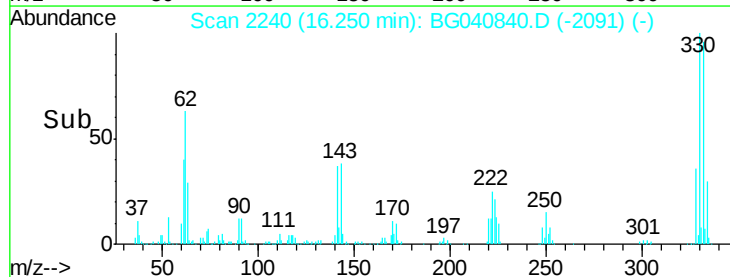
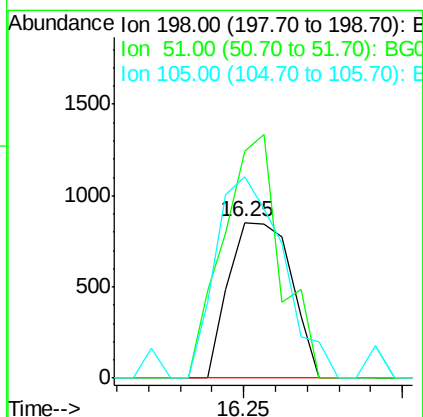
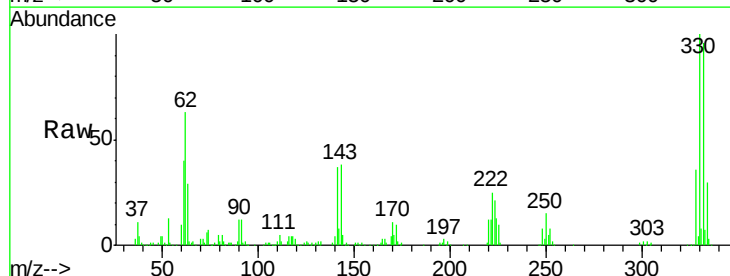
Instrument :
BNA_G
ClientSampleId :

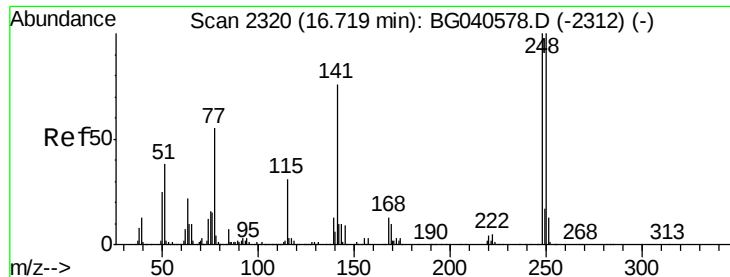
Tot Ion:188 Resp: 424683
Ion Ratio Lower Upper
188 100
94 6.1 5.6 8.4
80 7.8 6.4 9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.574 ng
RT: 16.25 min Scan# 2240
Delta R.T. 0.35 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Tgt Ion:198 Resp: 1162
Ion Ratio Lower Upper
198 100
51 146.5 35.9 75.9#
105 129.8 21.2 61.2#

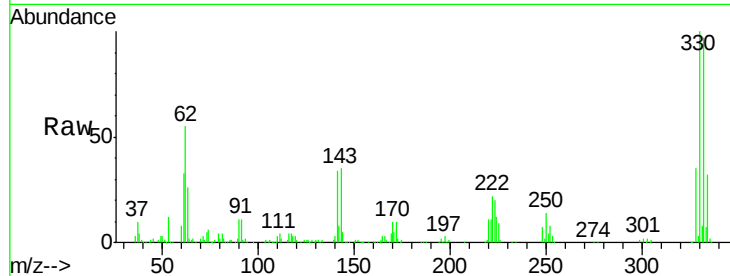




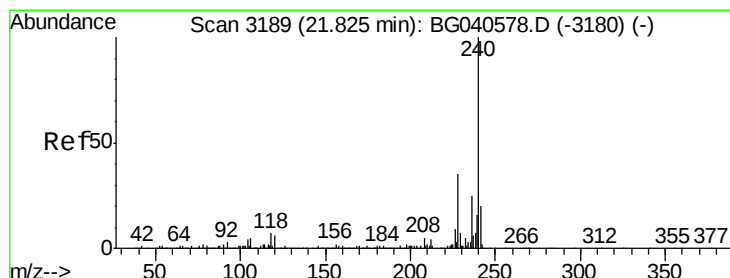
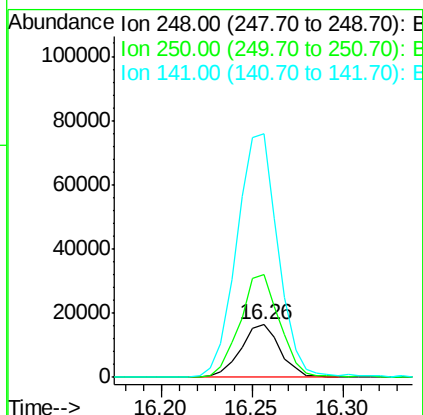
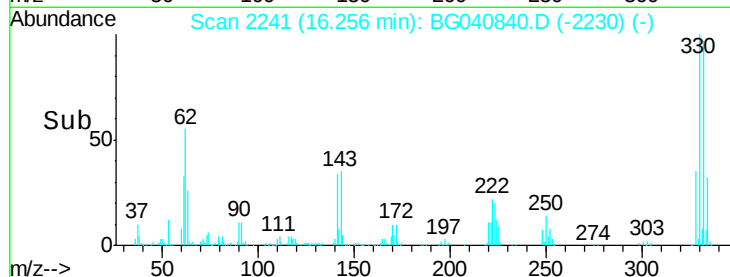
#67
 4-Bromophenyl-phenylether
 Concen: 4.673 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040840.D
 Acq: 10 May 2019 7:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24726
 Ion Ratio Lower Upper
 248 100
 250 196.6 79.8 119.6#
 141 464.1 60.8 91.2#

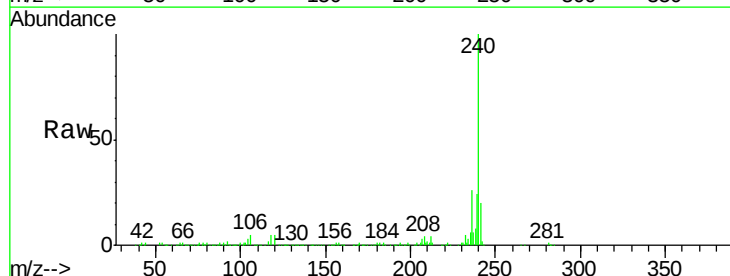


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

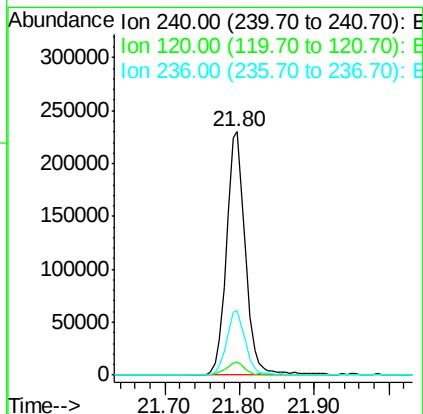
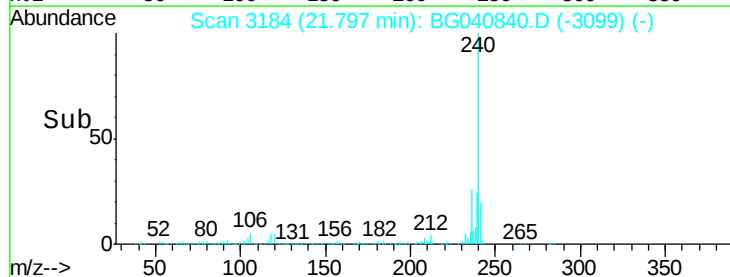


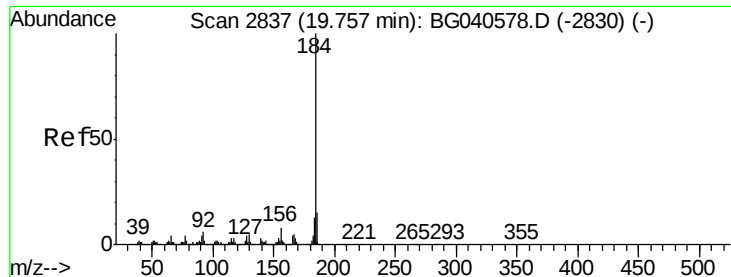
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040840.D
 Acq: 10 May 2019 7:46

Tgt Ion:240 Resp: 408722
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.0 7.6
 236 26.4 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: 2.289 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040840.D

Acq: 10 May 2019 7:46

Instrument :

BNA_G

ClientSampled :

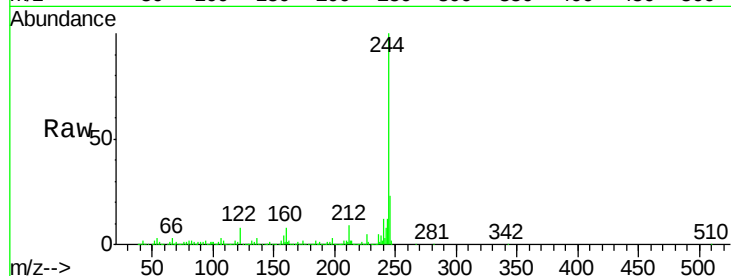
Tot Ion:184 Resp: 25621

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

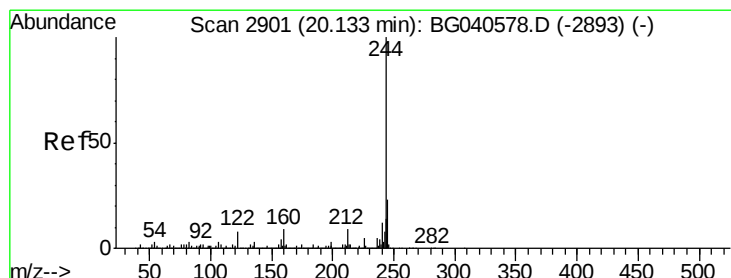
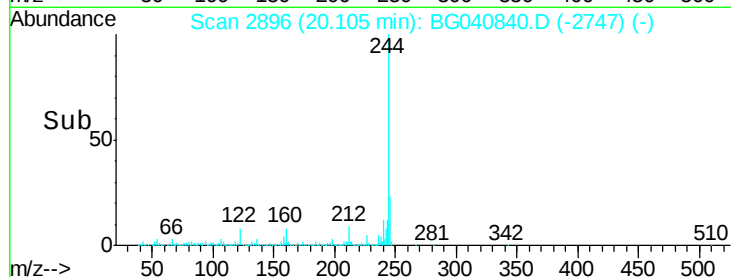
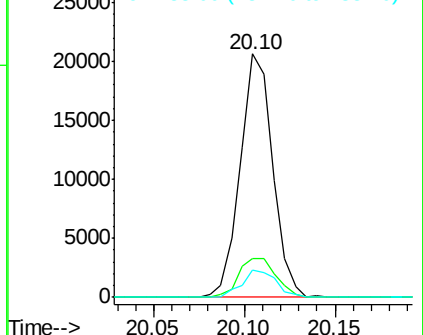
183 11.2 10.2 15.2



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: 83.150 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040840.D

Acq: 10 May 2019 7:46

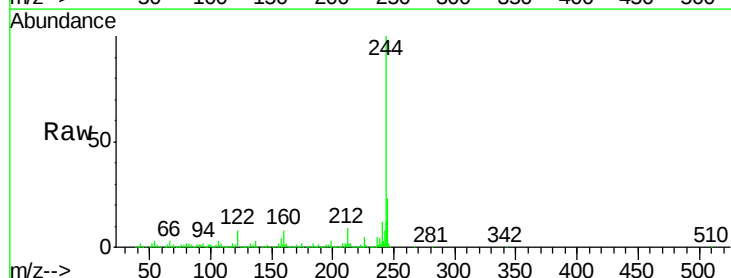
Tgt Ion:244 Resp: 1534029

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

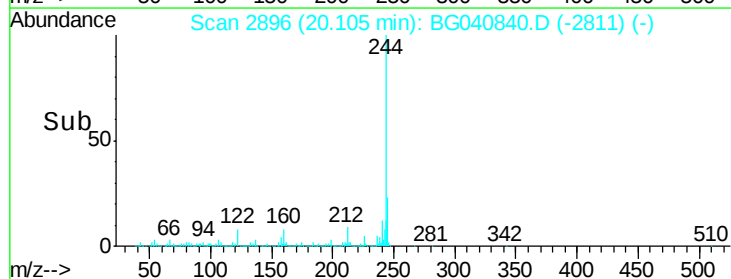
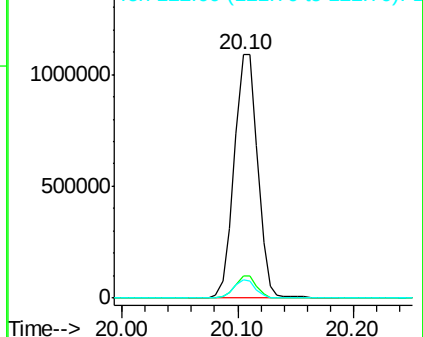
122 7.8 6.6 10.0



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: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040840.D
Acq: 10 May 2019 7:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.4	16.6	25.0

