

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040811.D
 Acq On : 9 May 2019 7:43
 Operator : HP/JU
 Sample : K2641-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050719-E

Quant Time: May 09 08:19:52 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

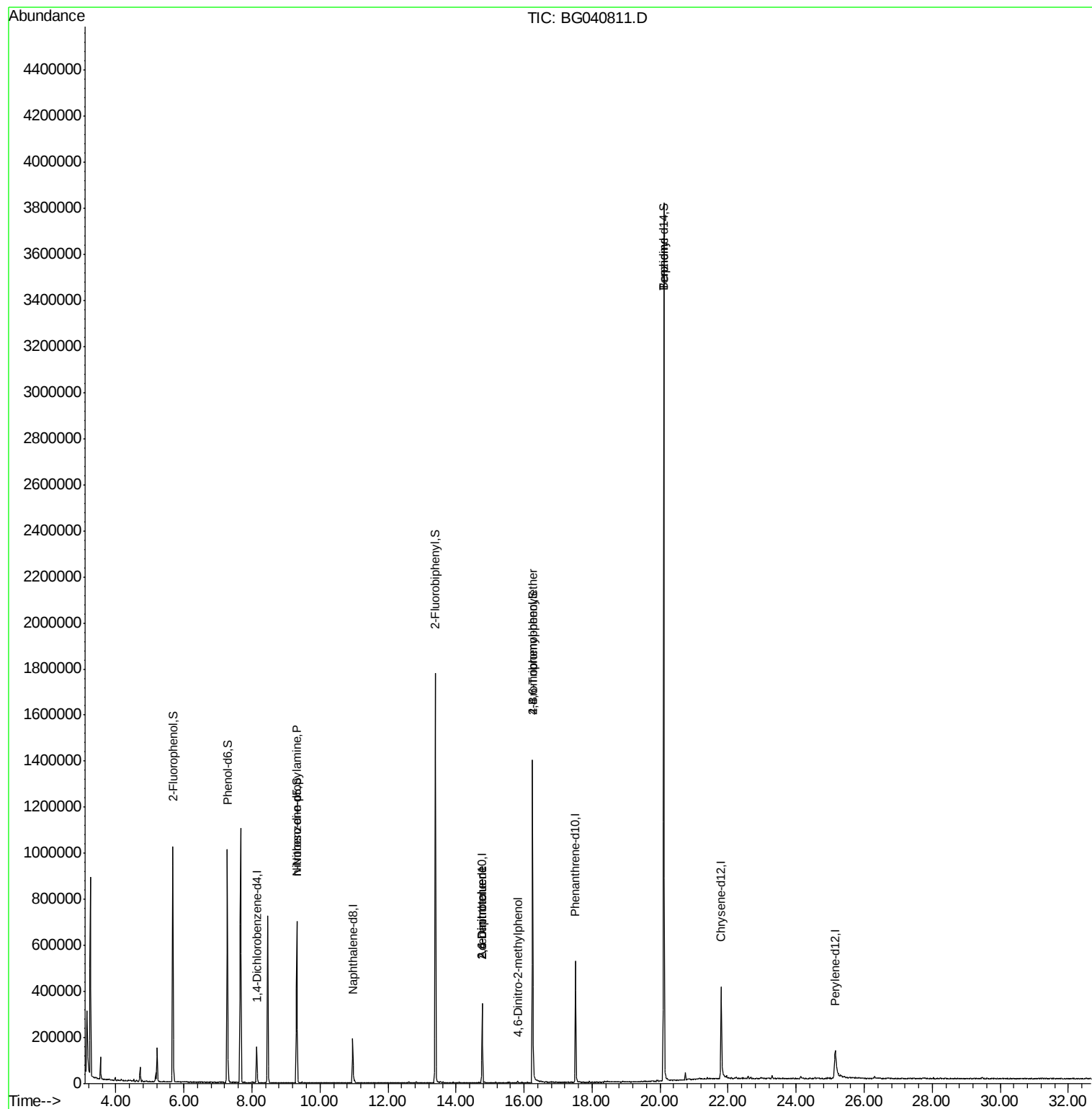
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	38648	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	149716	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	112164	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	319519	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	306985	20.00	ng	-0.03
87) Perylene-d12	25.15	264	198754	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	373895	170.54	ng	0.00
7) Phenol-d6	7.28	99	500907	148.38	ng	-0.02
23) Nitrobenzene-d5	9.32	82	420664	129.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	266955	173.15	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	881585	113.51	ng	-0.02
79) Terphenyl-d14	20.10	244	1867160	134.75	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.28	77	1375	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	60889	20.037	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	15965	8.717	ng	# 12
57) 2,4-Dinitrotoluene	14.77	165	15965	6.415	ng	# 14
65) 4,6-Dinitro-2-methylphenol	15.80	198	63	7.135	ng	# 28
67) 4-Bromophenyl-phenylether	16.25	248	19683	4.945	ng	# 1
77) Benizidine	20.10	184	33656	4.004	ng	# 88

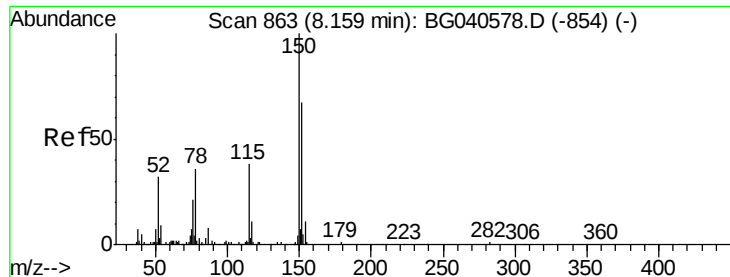
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
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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: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-E

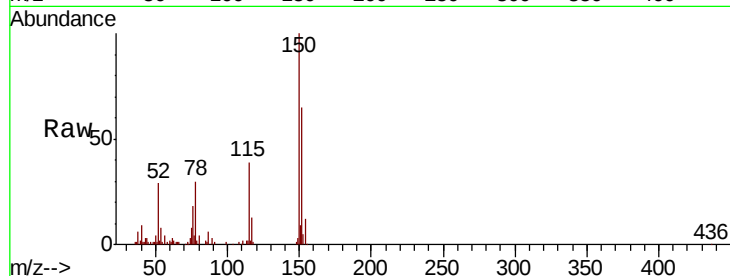
Tgt Ion:152 Resp: 38648

Ion Ratio Lower Upper

152 100

150 154.8 120.2 180.2

115 60.3 46.2 69.2

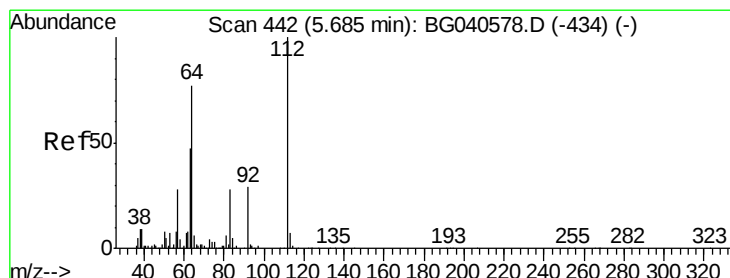
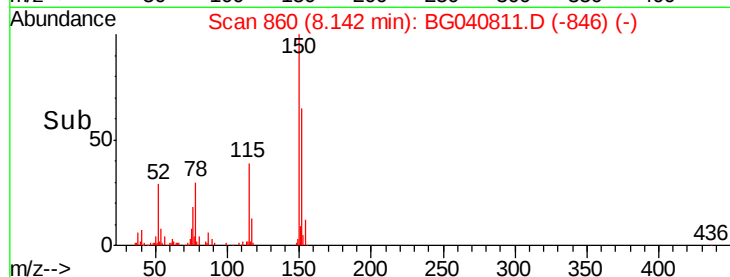
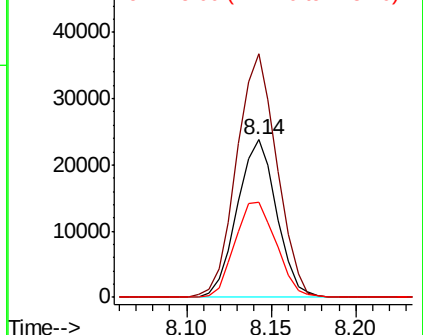


Abundance

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: 170.536 ng

RT: 5.67 min Scan# 440

Delta R.T. -0.01 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

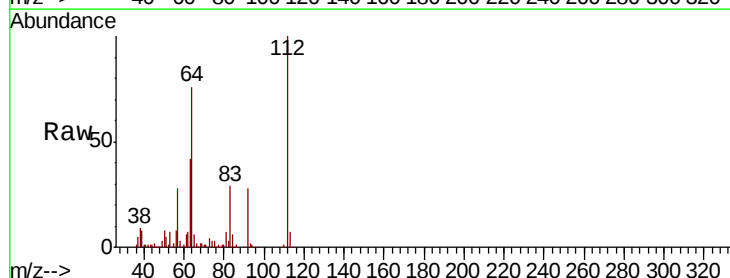
Tgt Ion:112 Resp: 373895

Ion Ratio Lower Upper

112 100

64 75.6 61.4 92.0

63 41.5 37.8 56.6

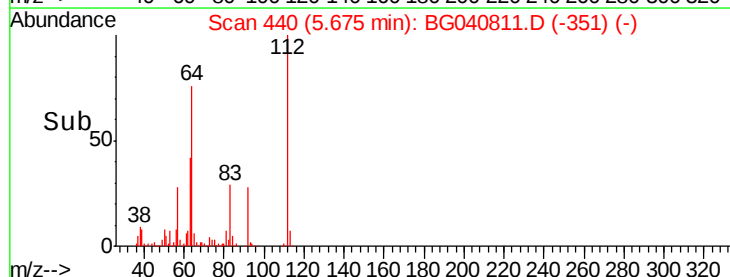
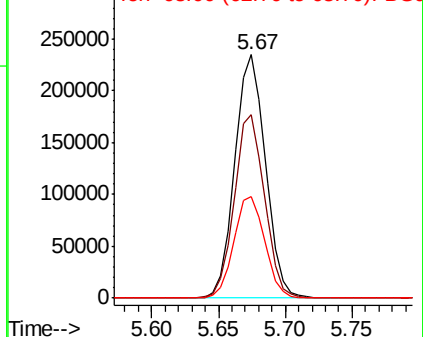


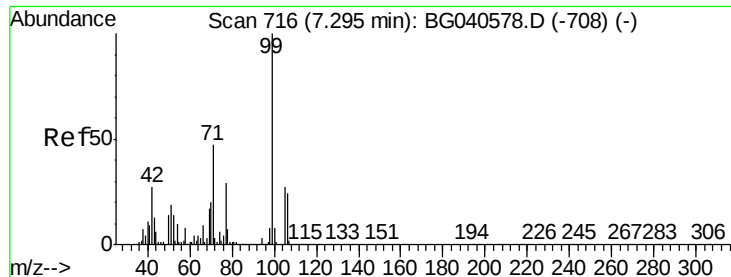
Abundance

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: 148.383 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-E

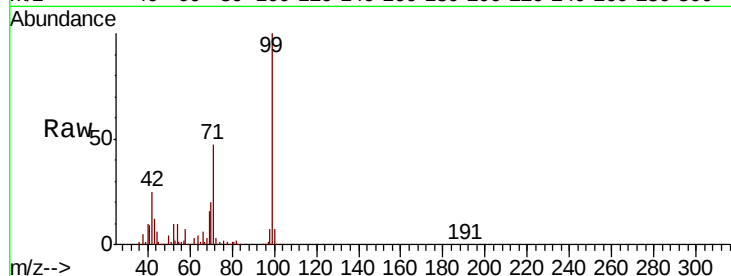
Tgt Ion: 99 Resp: 500907

Ion Ratio Lower Upper

99 100

42 25.0 21.8 32.8

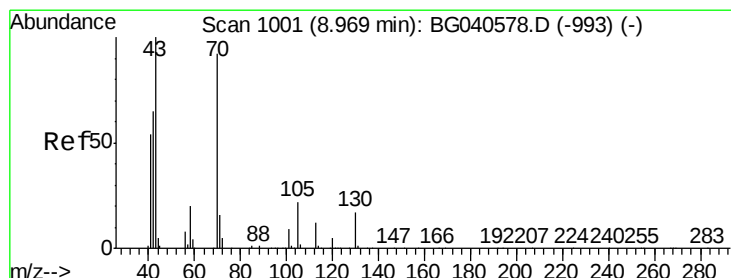
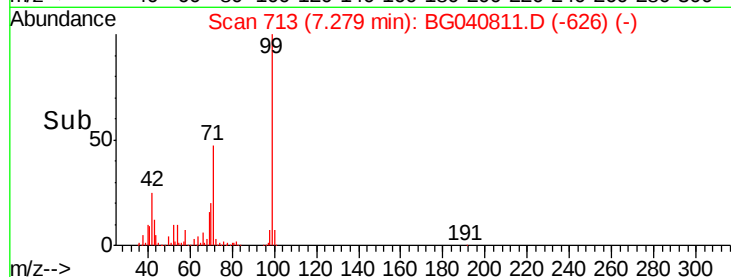
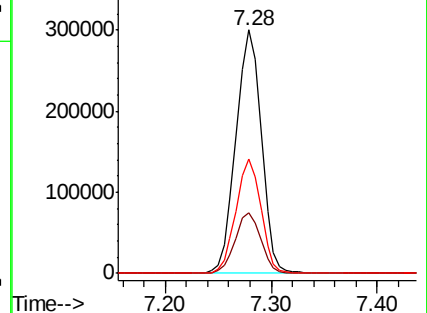
71 47.0 38.6 57.8



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: 20.037 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

Tgt Ion: 70 Resp: 60889

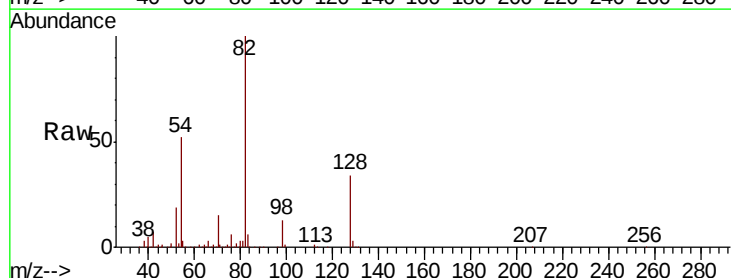
Ion Ratio Lower Upper

70 100

42 44.7 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#

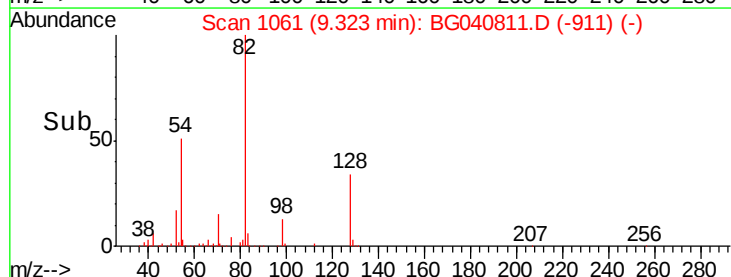
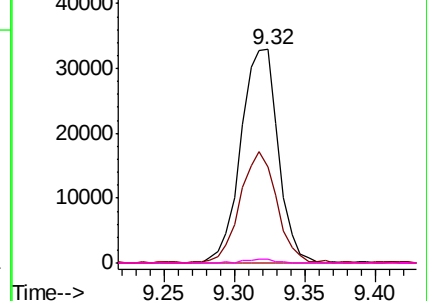


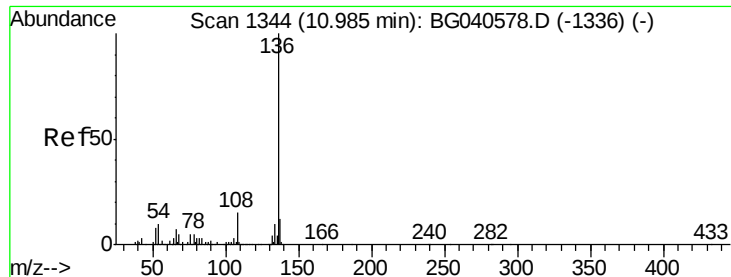
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

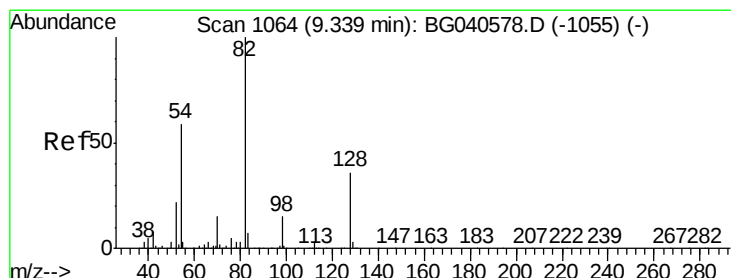
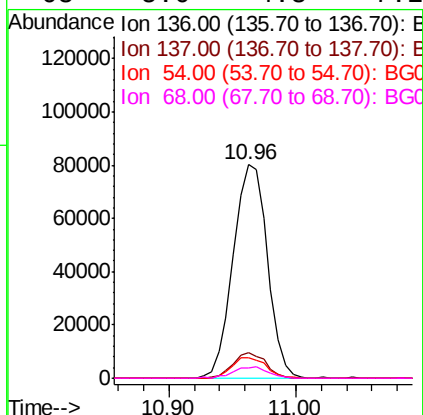
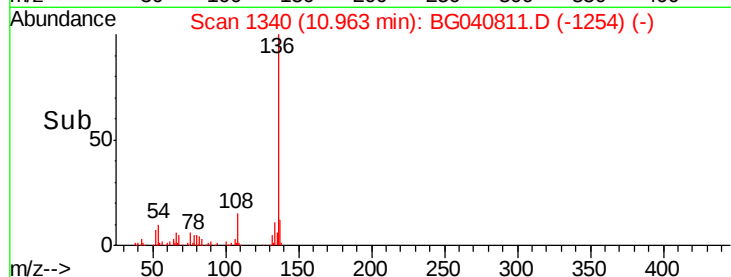
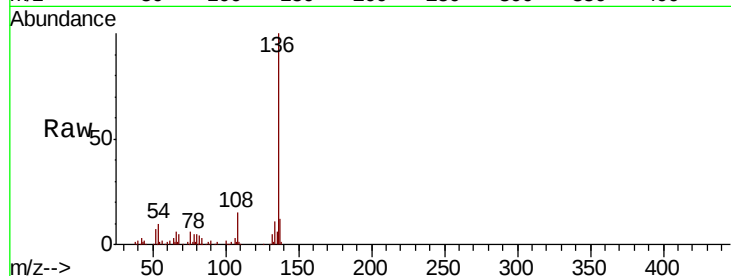




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040811.D
Acq: 9 May 2019 7:43

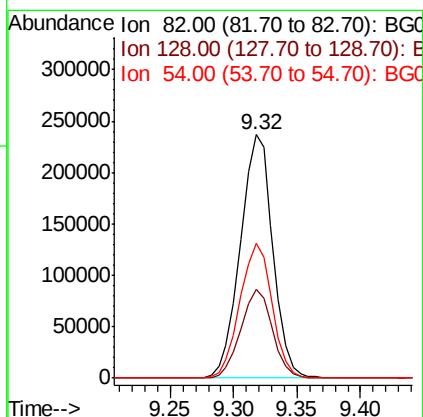
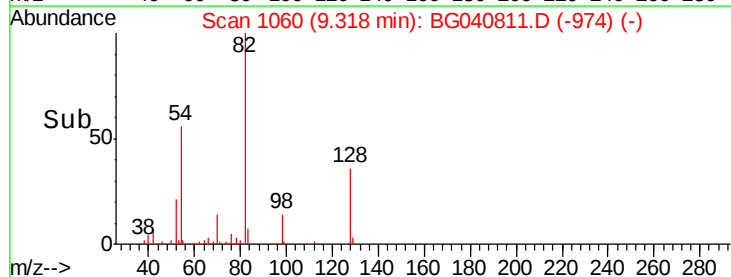
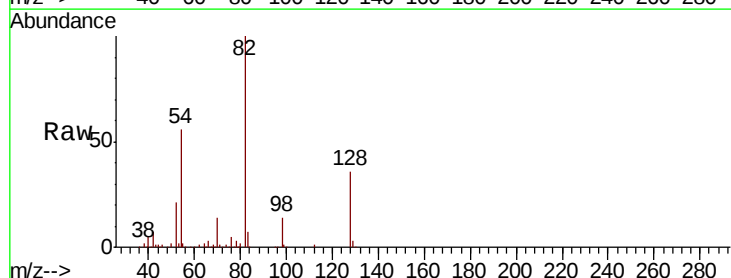
Instrument :
BNA_G
ClientSampleId :
CL-02-050719-E

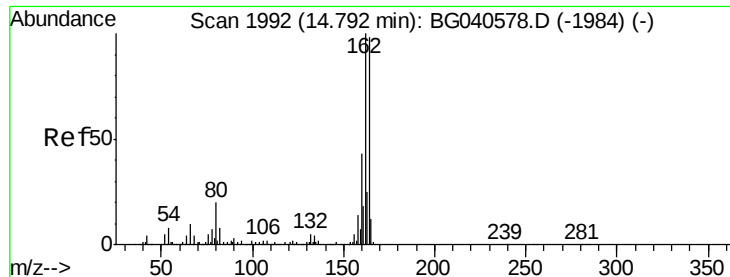
Tgt Ion:	136	Resp:	149716
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	9.7	8.6	12.8
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 129.828 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040811.D
Acq: 9 May 2019 7:43

Tgt Ion:	82	Resp:	420664
Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.9	43.3
54	55.5	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: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-E

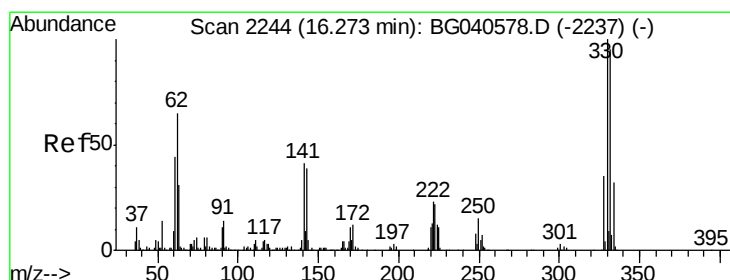
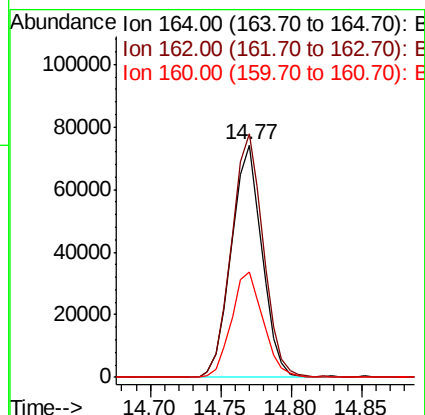
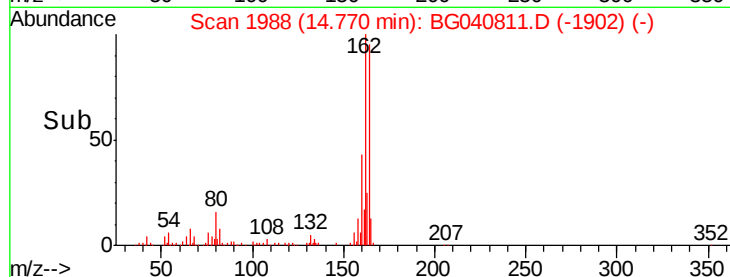
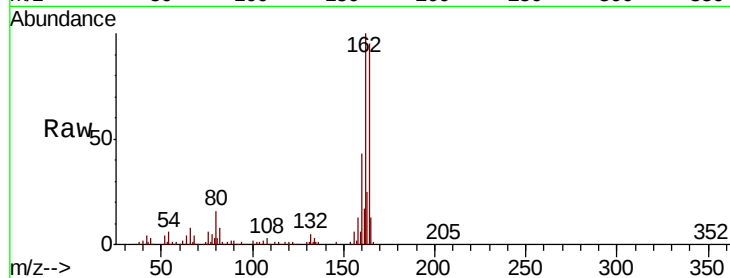
Tgt Ion:164 Resp: 112164

Ion Ratio Lower Upper

164 100

162 104.9 81.9 122.9

160 45.3 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 173.154 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

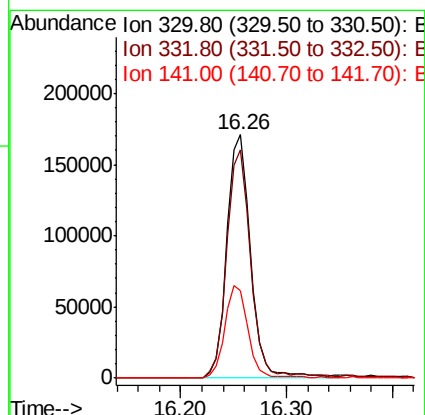
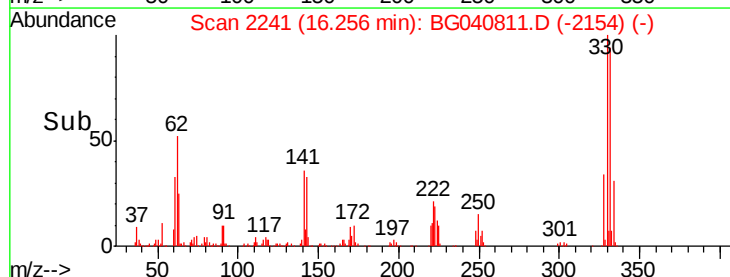
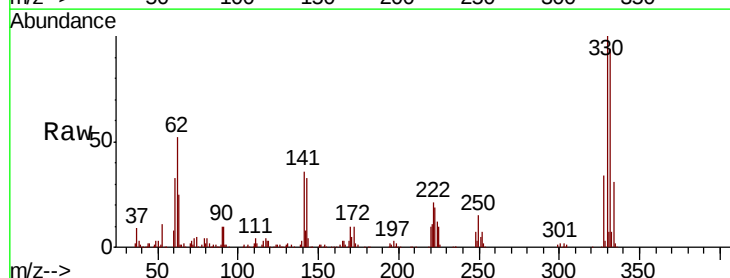
Tgt Ion:330 Resp: 266955

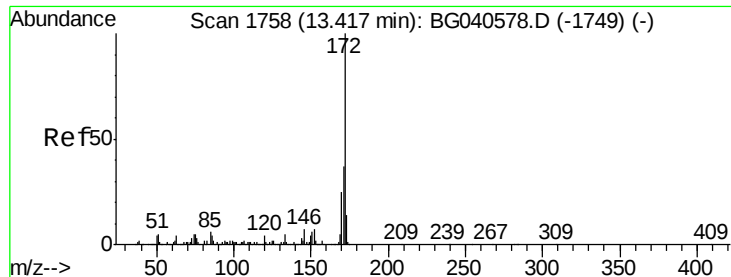
Ion Ratio Lower Upper

330 100

332 95.2 75.9 113.9

141 37.3 32.4 48.6

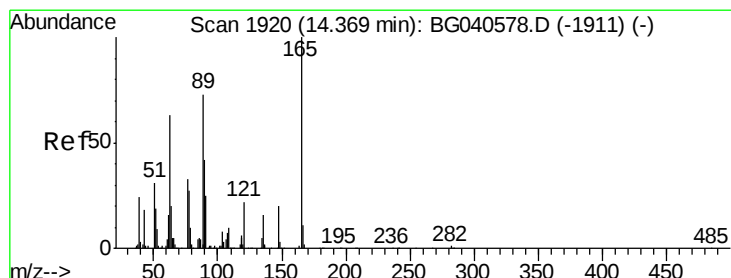
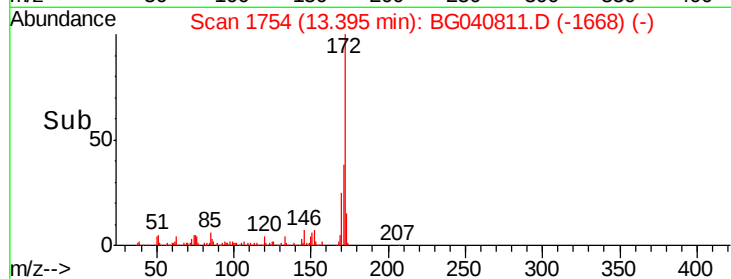
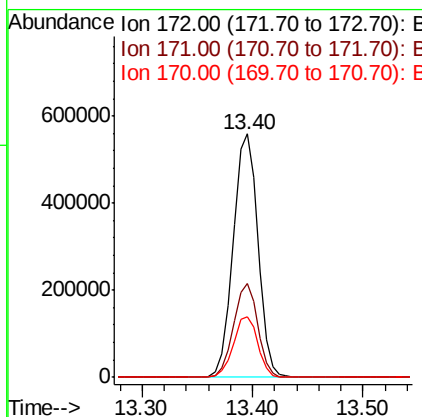
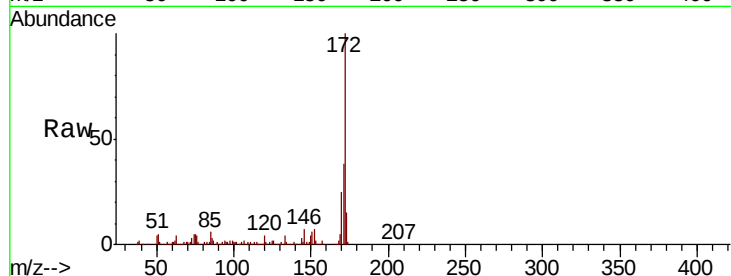




#45
 2-Fluorobiphenyl
 Concen: 113.511 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040811.D
 Acq: 9 May 2019 7:43

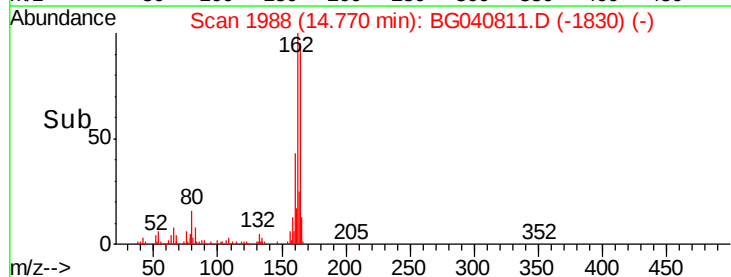
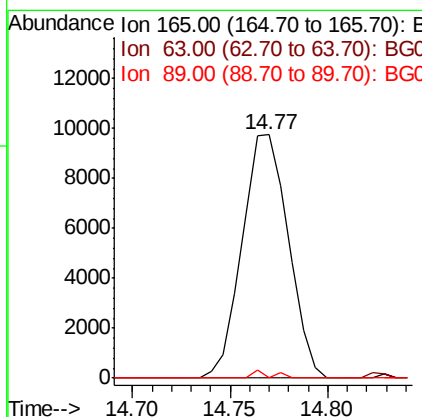
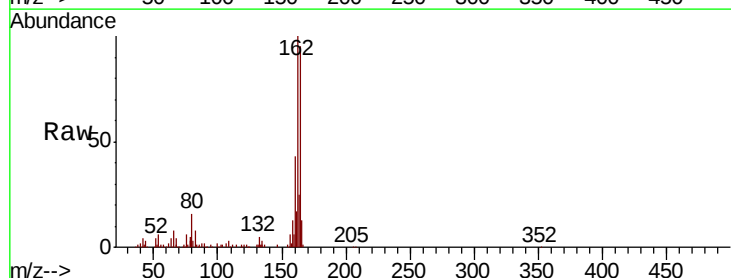
Instrument :
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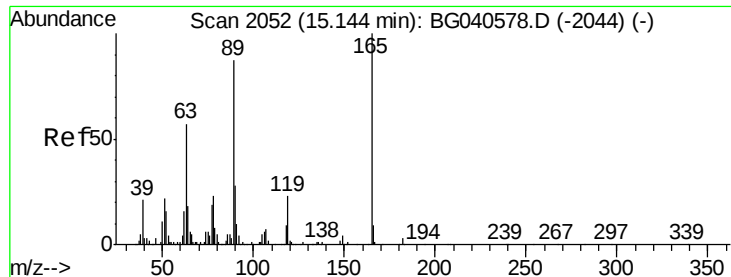
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	24.9	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.717 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040811.D
 Acq: 9 May 2019 7:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	0.0	58.6	87.8#

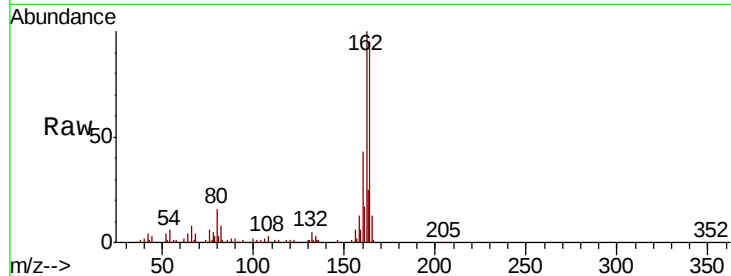




#57
 2,4-Dinitrotoluene
 Concen: 6.415 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.37 min
 Lab File: BG040811.D
 Acq: 9 May 2019 7:43

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050719-E

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

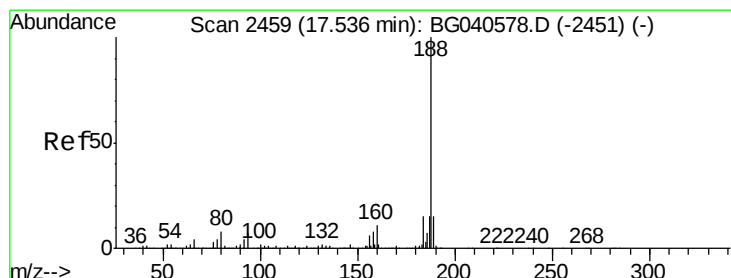
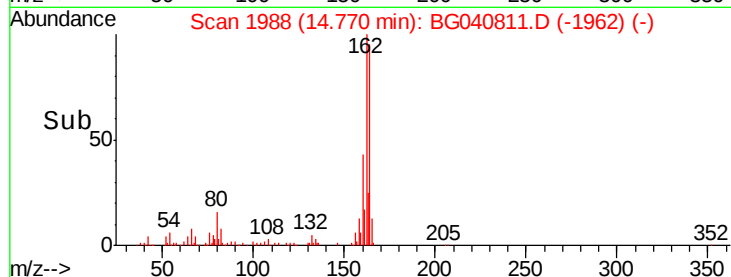
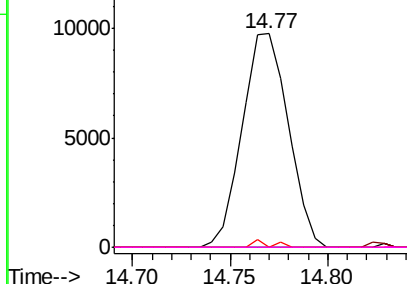


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

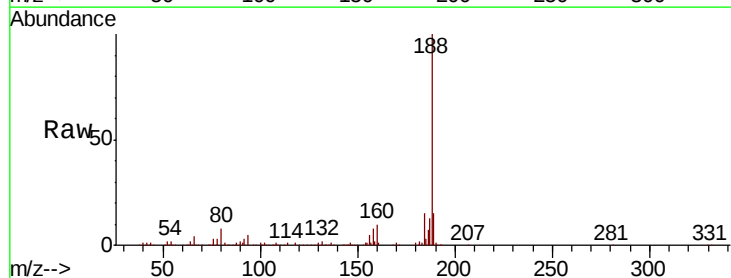
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040811.D
 Acq: 9 May 2019 7:43

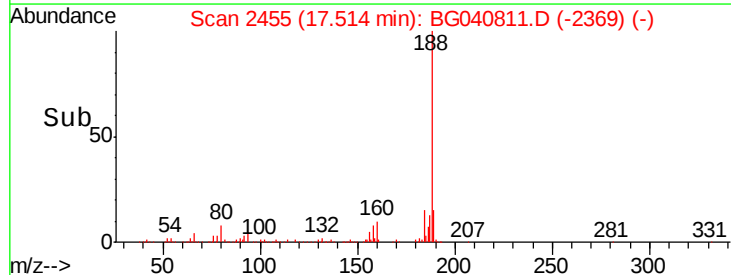
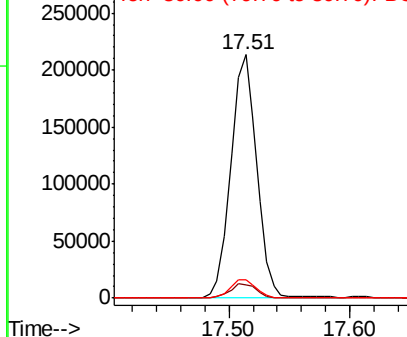
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.6	8.4#
80	7.8	6.4	9.6

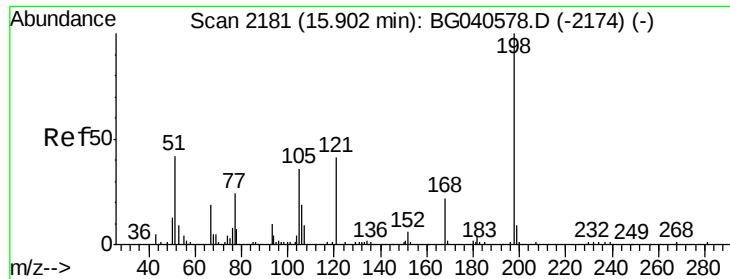


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.135 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.10 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

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ClientSampleId :

CL-02-050719-E

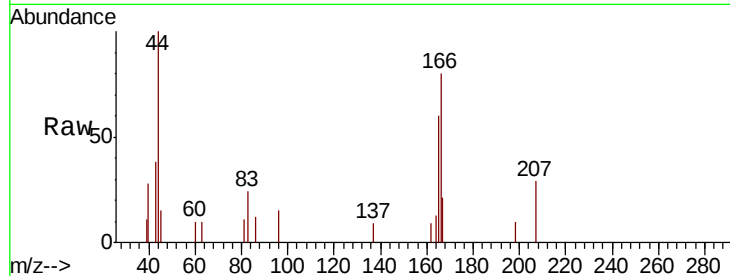
Tgt Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

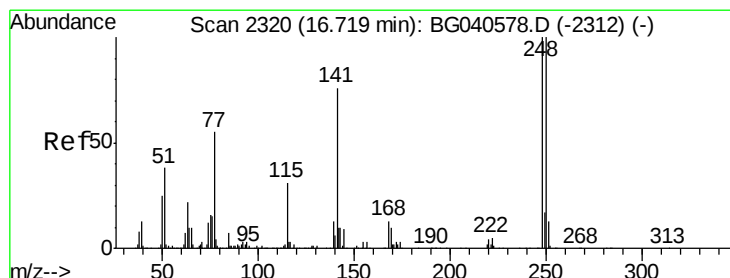
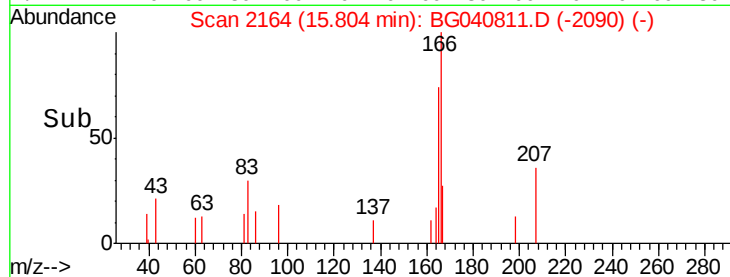
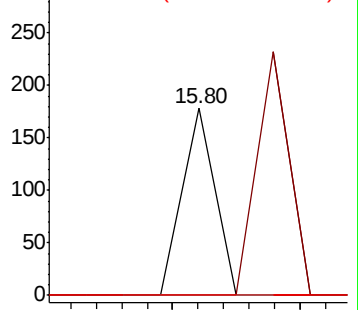
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.945 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

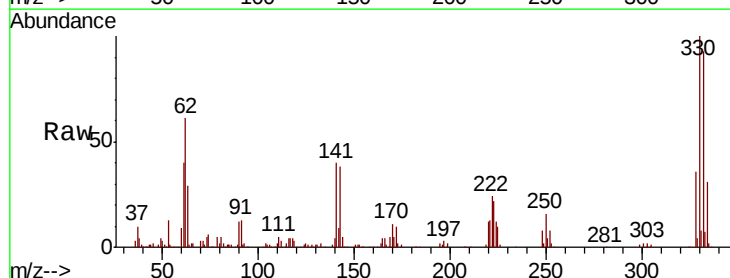
Tgt Ion:248 Resp: 19683

Ion Ratio Lower Upper

248 100

250 199.6 79.8 119.6#

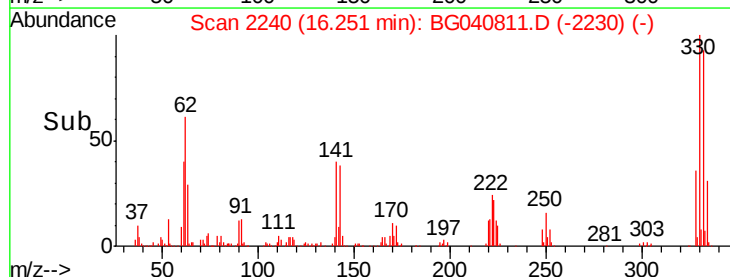
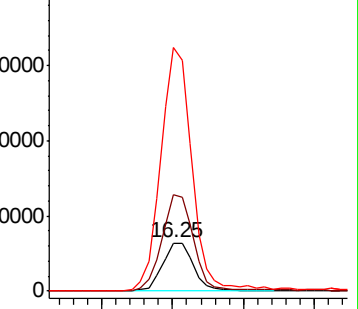
141 504.4 60.8 91.2#

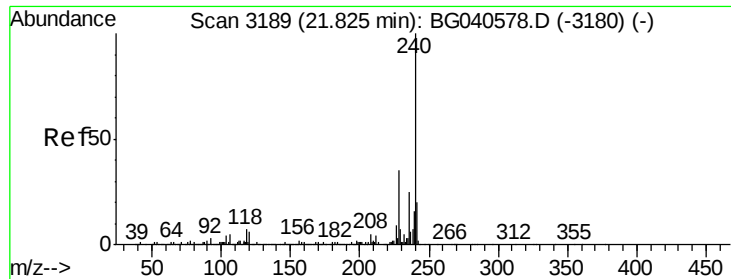


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-E

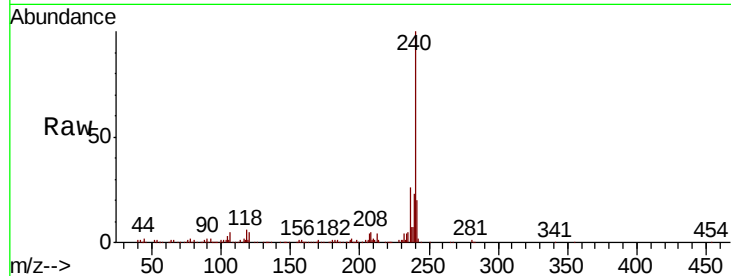
Tgt Ion:240 Resp: 306985

Ion Ratio Lower Upper

240 100

120 4.6 5.0 7.6#

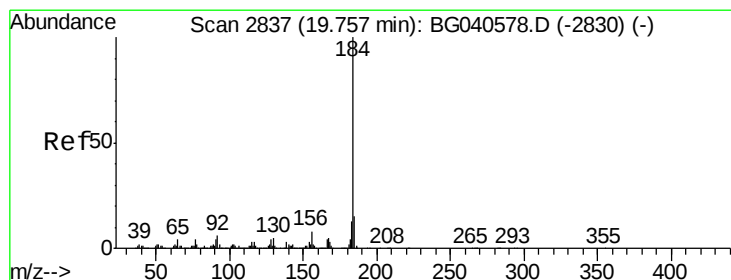
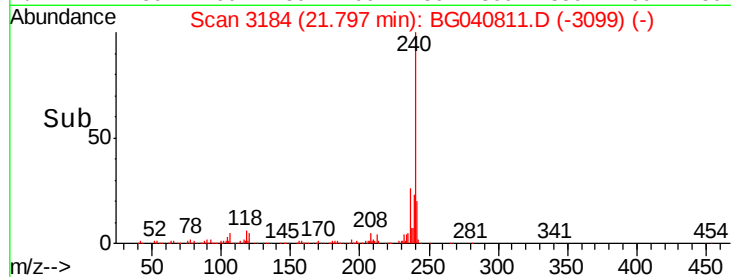
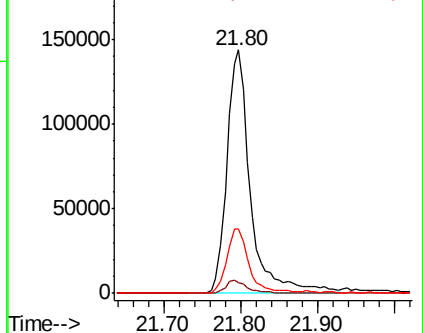
236 26.5 20.3 30.5



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: 4.004 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

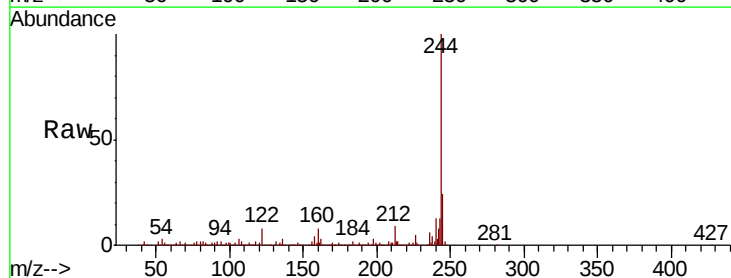
Tgt Ion:184 Resp: 33656

Ion Ratio Lower Upper

184 100

185 19.9 11.8 17.8#

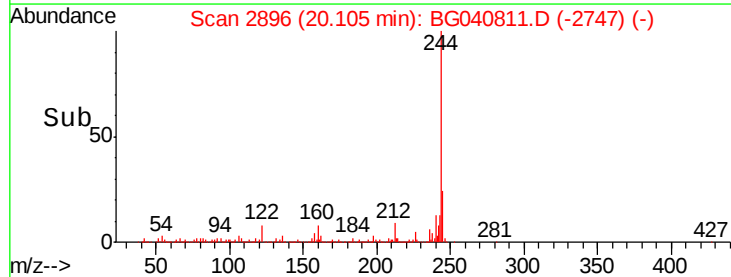
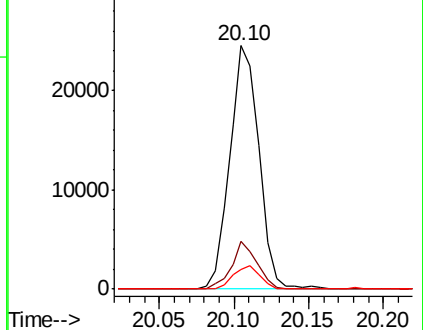
183 8.2 10.2 15.2#

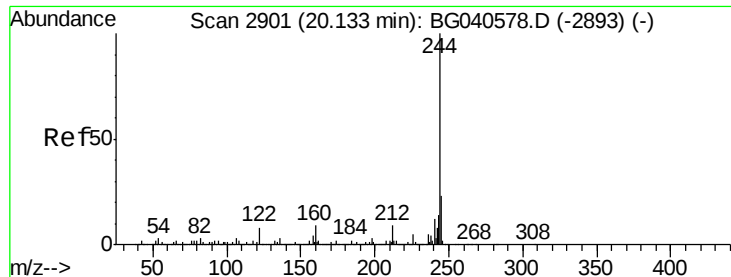


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 134.748 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-E

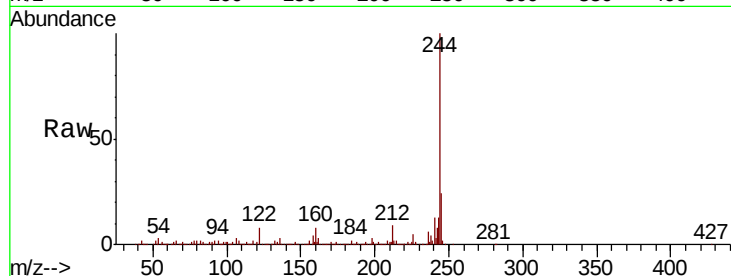
Tgt Ion:244 Resp: 1867160

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

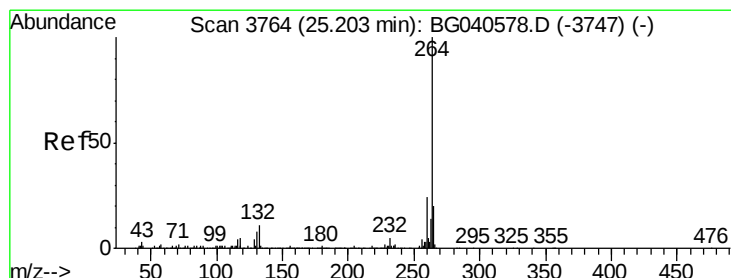
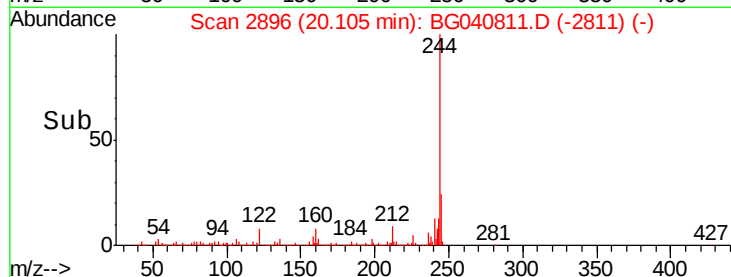
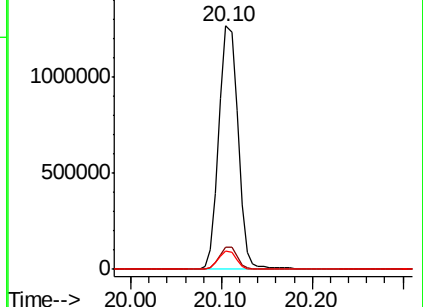
122 7.8 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3754

Delta R.T. -0.06 min

Lab File: BG040811.D

Acq: 9 May 2019 7:43

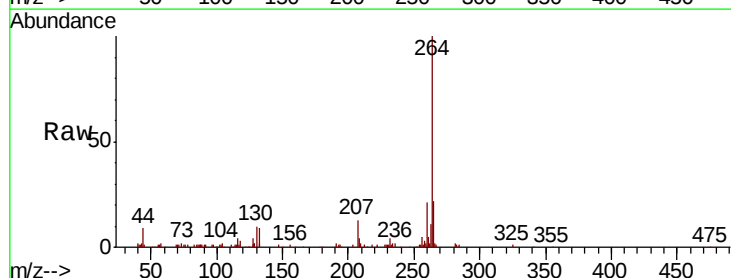
Tgt Ion:264 Resp: 198754

Ion Ratio Lower Upper

264 100

260 21.4 19.2 28.8

265 21.8 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

