

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040809.D
 Acq On : 9 May 2019 6:27
 Operator : HP/JU
 Sample : K2641-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 09 07:26:24 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

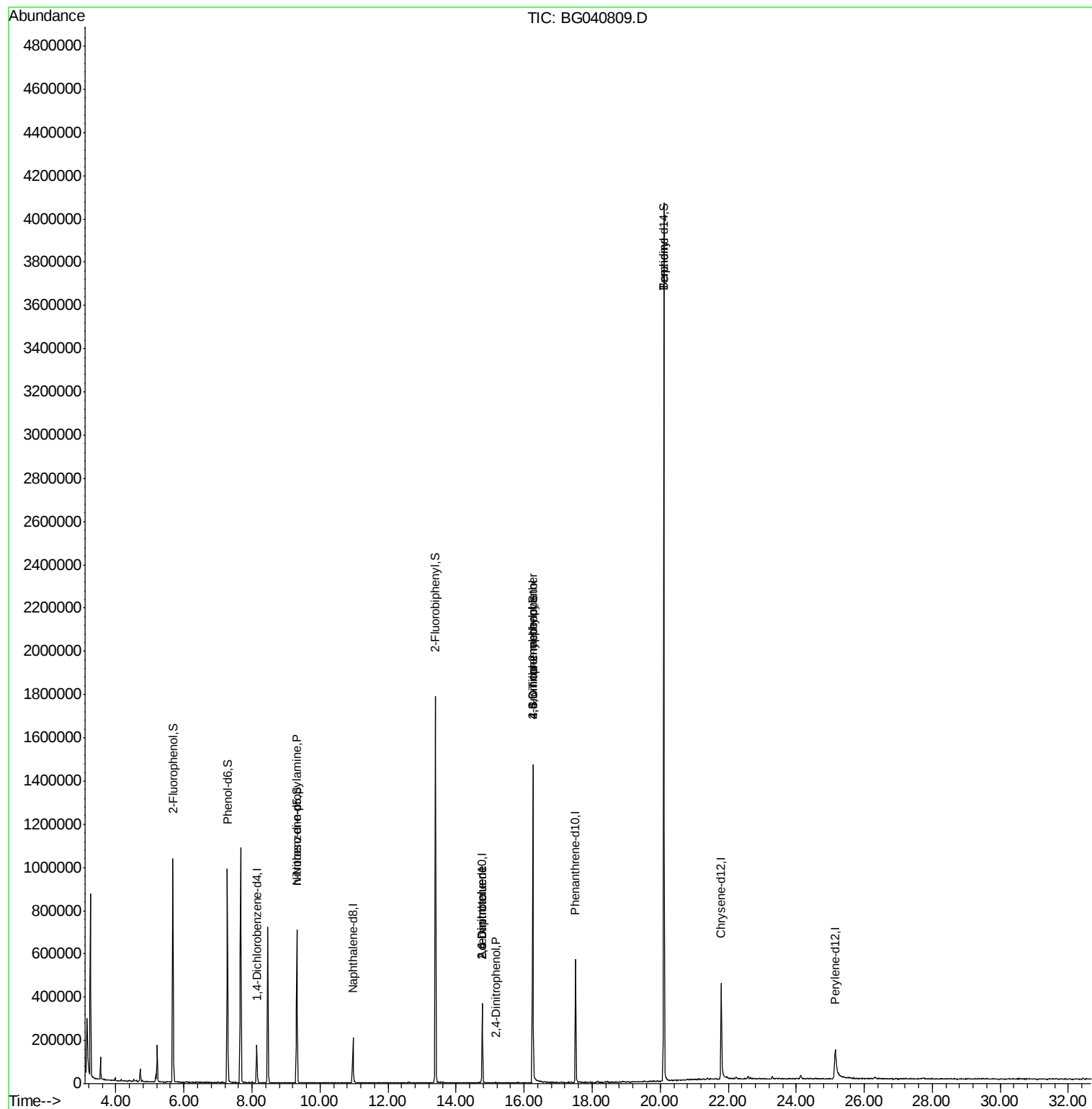
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43958	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	168649	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	123833	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	347851	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	332180	20.00	ng	-0.03
87) Perylene-d12	25.14	264	231585	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	370373	148.52	ng	-0.01
7) Phenol-d6	7.28	99	501254	130.55	ng	-0.02
23) Nitrobenzene-d5	9.32	82	422141	115.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	285564	167.77	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	893461	104.20	ng	-0.02
79) Terphenyl-d14	20.11	244	1887607	125.89	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1278	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	60670	17.553 ng	#	75
51) 2,6-Dinitrotoluene	14.77	165	15233	7.533 ng	#	14
54) 2,4-Dinitrophenol	15.17	184	66	7.067 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	15233	5.544 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.25	198	553	7.376 ng	#	66
67) 4-Bromophenyl-phenylether	16.25	248	21091	4.867 ng	#	1
77) Benzidine	20.11	184	34415	3.784 ng	#	94

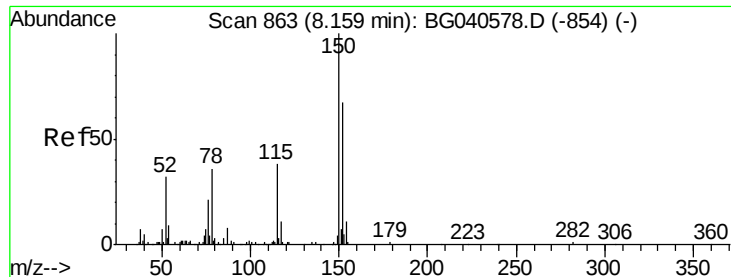
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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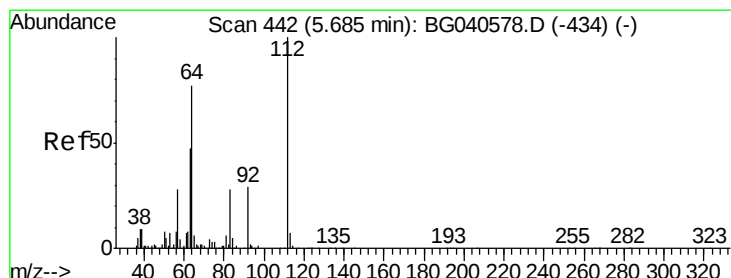
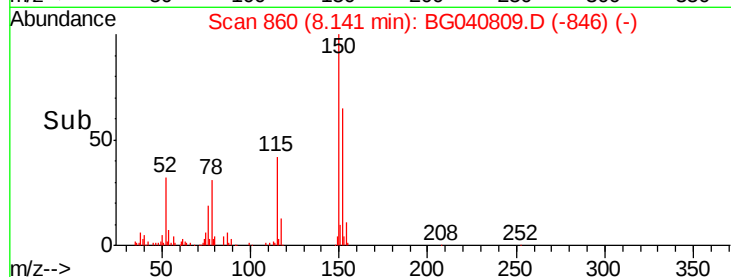
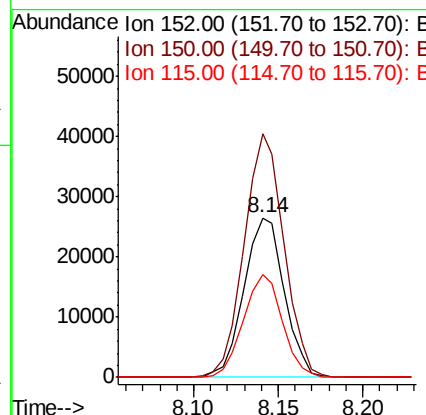
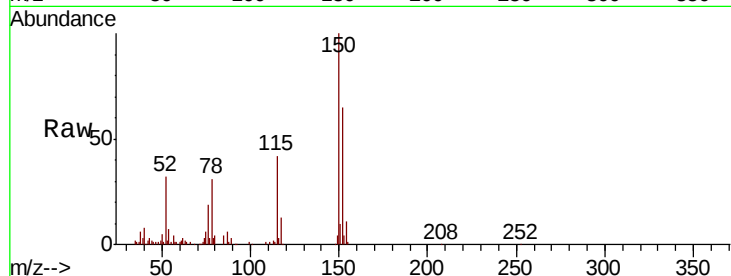


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

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

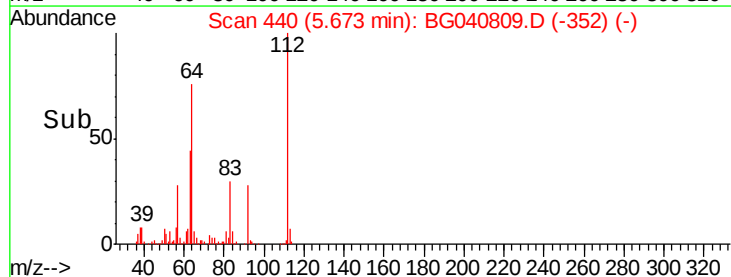
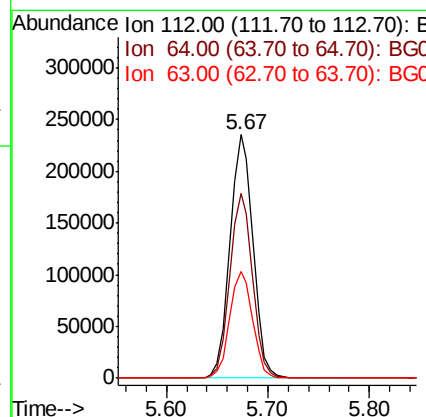
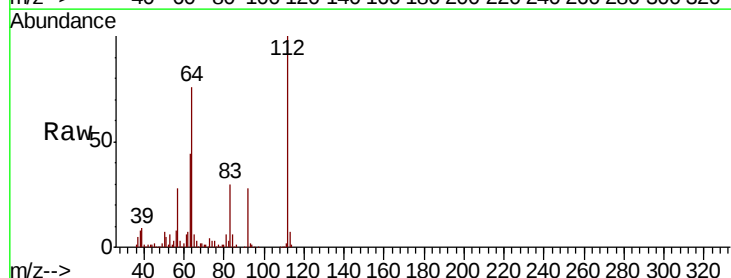
Tgt Ion:152 Resp: 43958
Ion Ratio Lower Upper
152 100
150 152.9 120.2 180.2
115 64.2 46.2 69.2

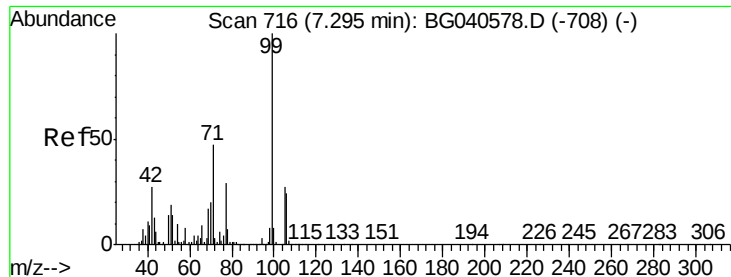


#5

2-Fluorophenol
Concen: 148.524 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

Tgt Ion:112 Resp: 370373
Ion Ratio Lower Upper
112 100
64 75.7 61.4 92.0
63 43.9 37.8 56.6





#7

Phenol-d6

Concen: 130.549 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-C

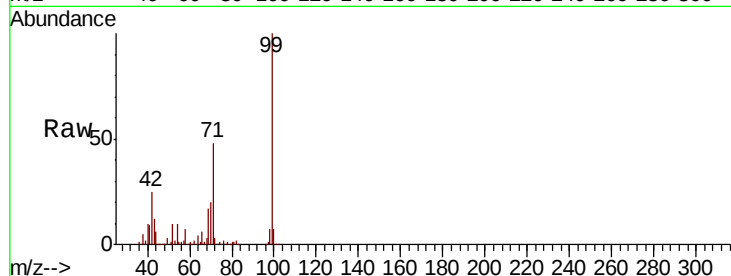
Tgt Ion: 99 Resp: 501254

Ion Ratio Lower Upper

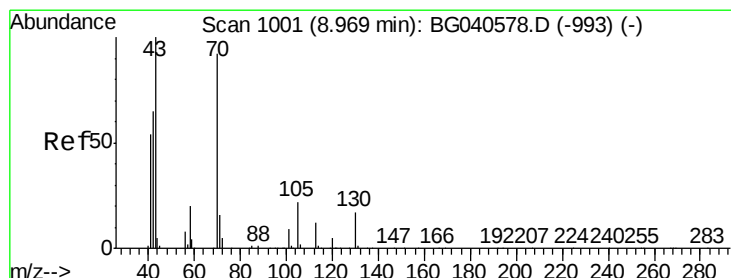
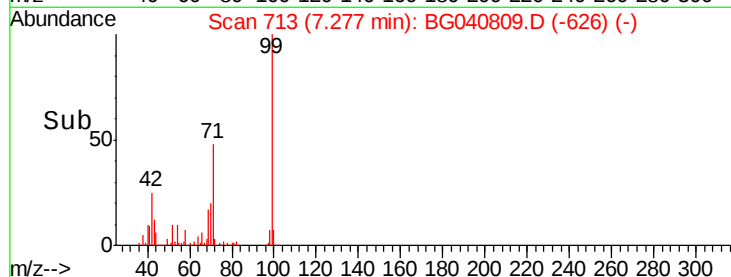
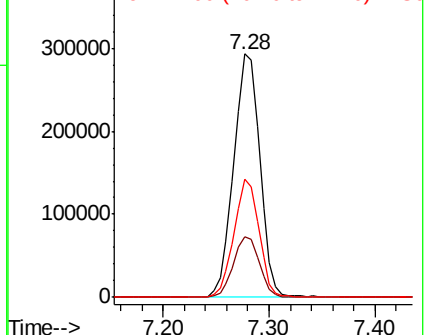
99 100

42 24.7 21.8 32.8

71 48.4 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: 17.553 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

Tgt Ion: 70 Resp: 60670

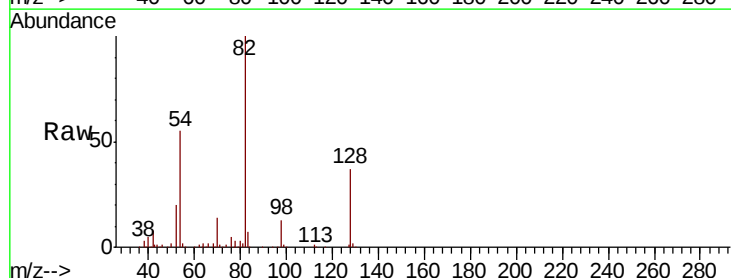
Ion Ratio Lower Upper

70 100

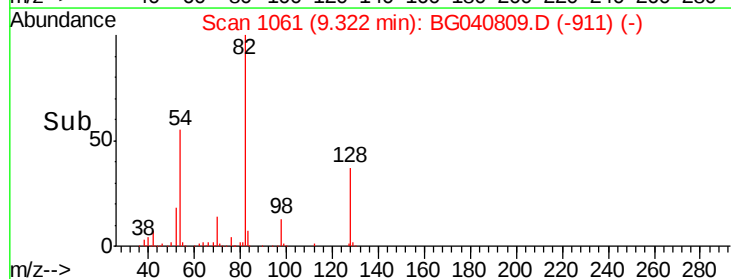
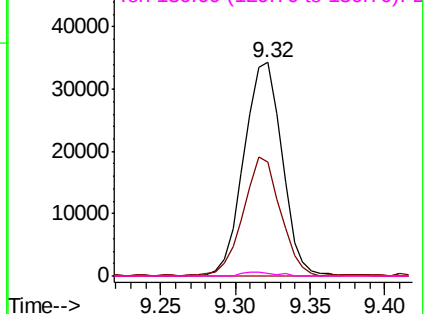
42 53.4 57.1 85.7#

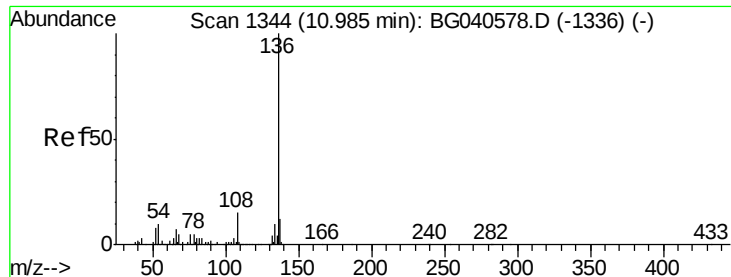
101 0.0 7.8 11.8#

130 1.2 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

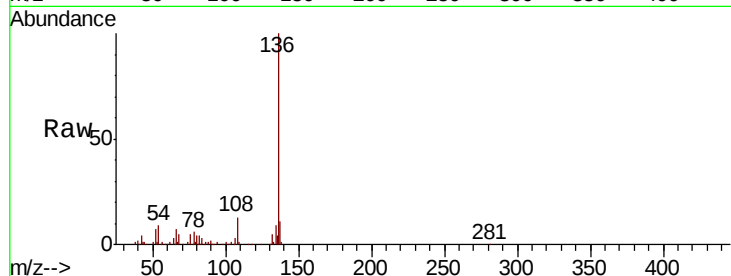




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

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

Tgt Ion:	136	Resp:	168649
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.7	14.5
54	8.9	8.6	12.8
68	4.6	4.8	7.2#



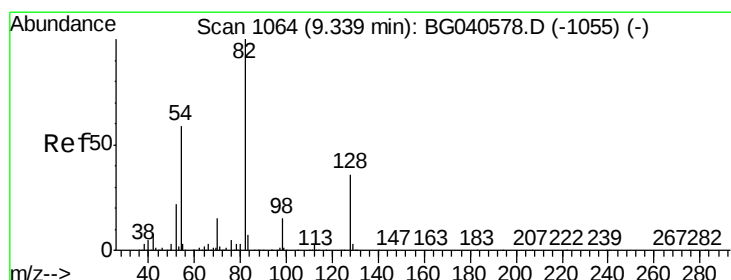
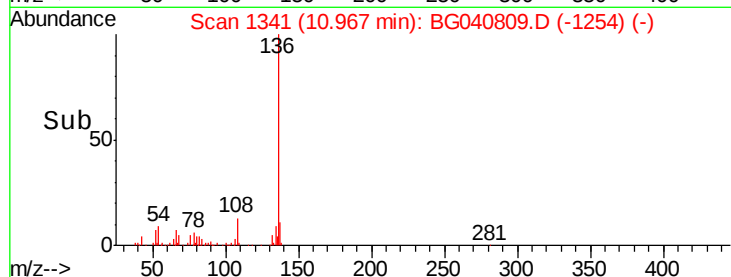
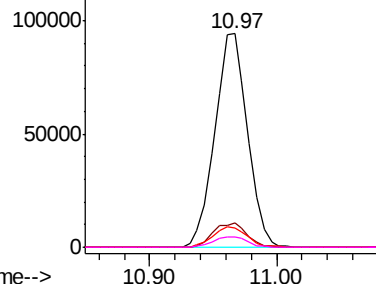
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

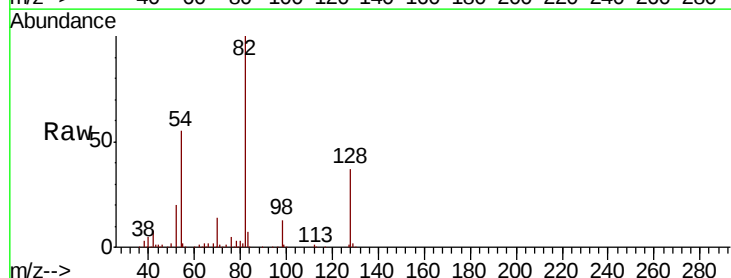
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 115.658 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

Tgt Ion:	82	Resp:	422141
Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.9	43.3
54	55.4	47.2	70.8

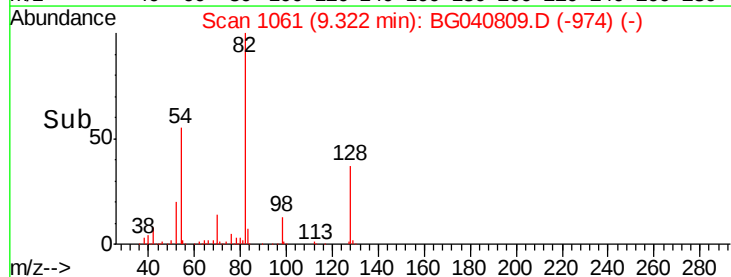
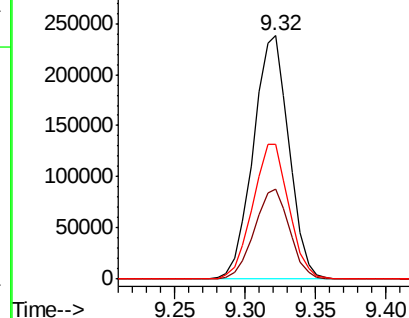


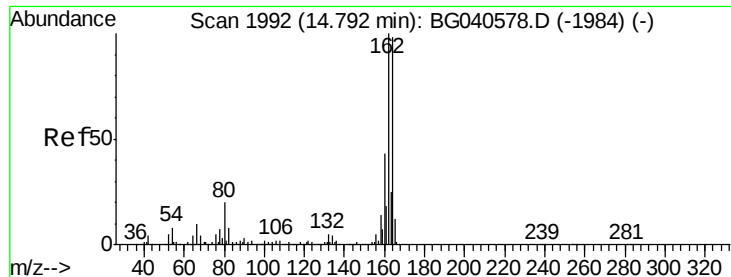
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

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: BG040809.D

Acq: 9 May 2019 6:27

Instrument :

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ClientSampleId :

CL-02-050719-C

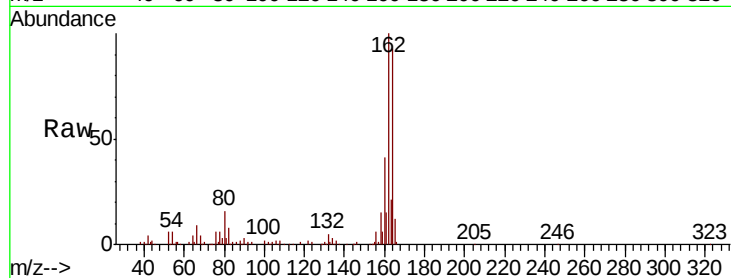
Tgt Ion:164 Resp: 123833

Ion Ratio Lower Upper

164 100

162 107.8 81.9 122.9

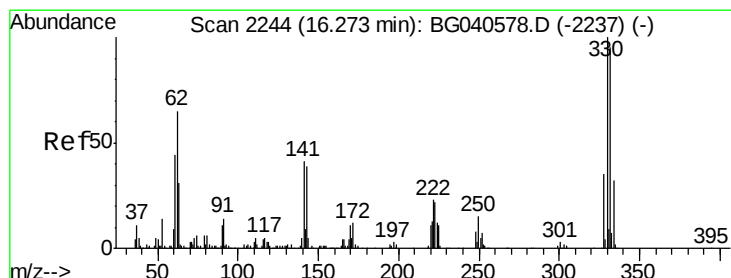
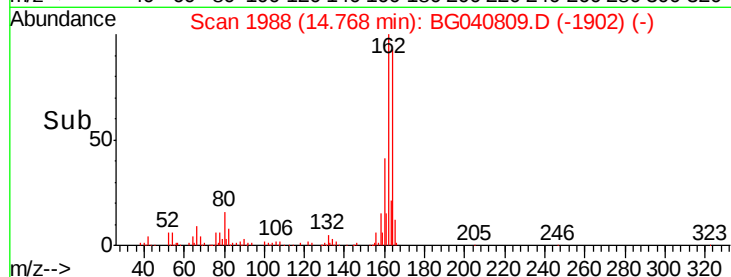
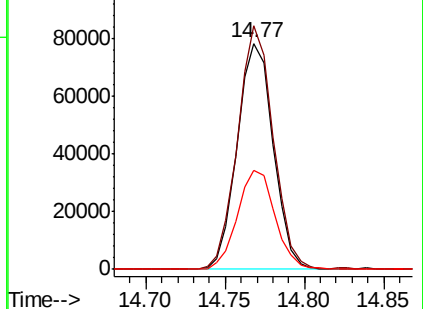
160 44.0 35.4 53.2



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: 167.770 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

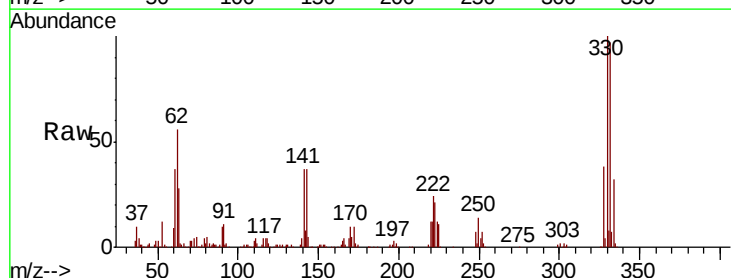
Tgt Ion:330 Resp: 285564

Ion Ratio Lower Upper

330 100

332 93.0 75.9 113.9

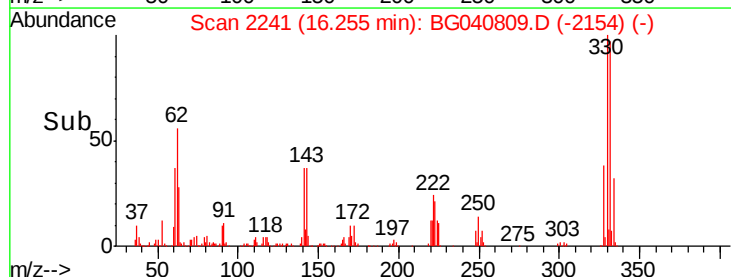
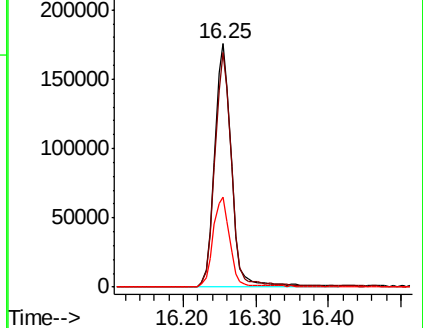
141 36.0 32.4 48.6

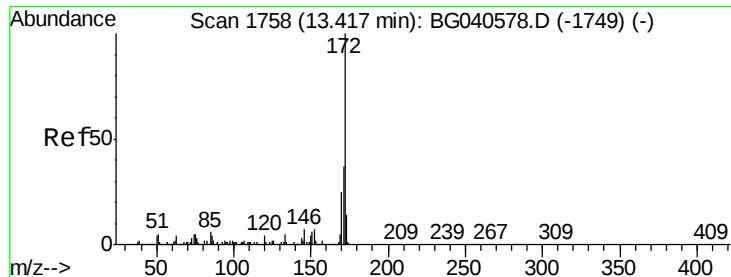


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

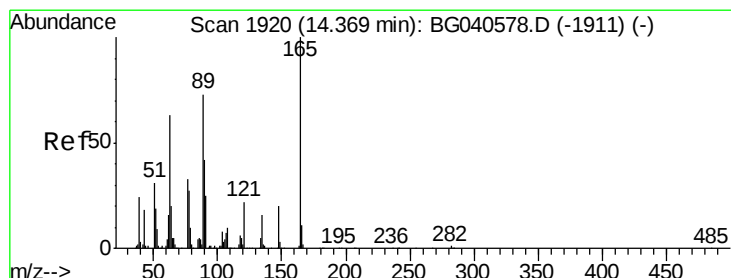
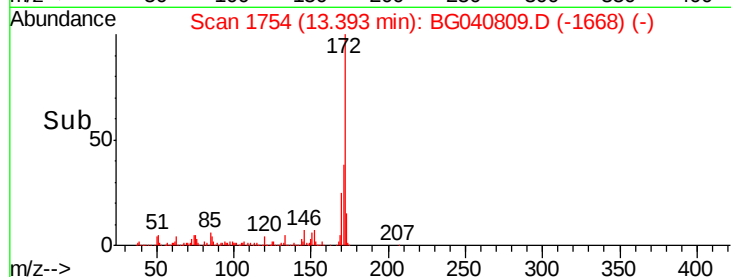
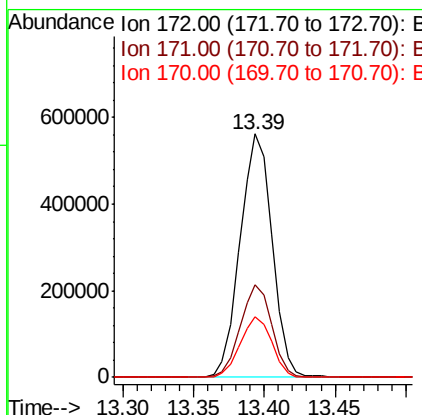
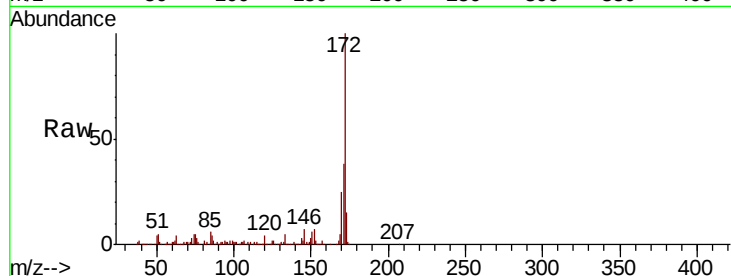




#45
 2-Fluorobiphenyl
 Concen: 104.200 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040809.D
 Acq: 9 May 2019 6:27

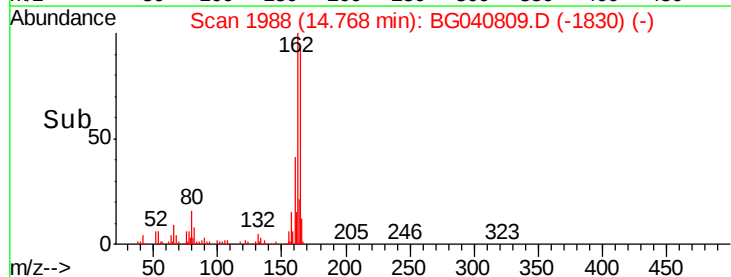
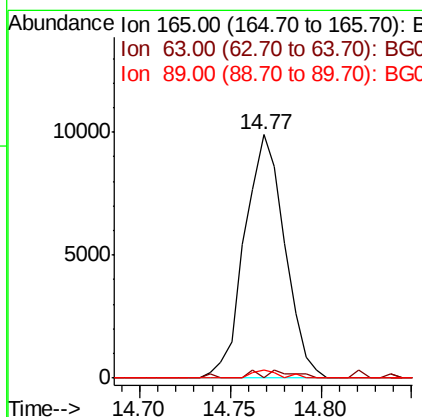
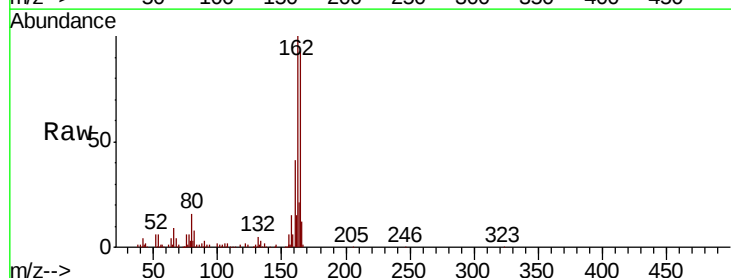
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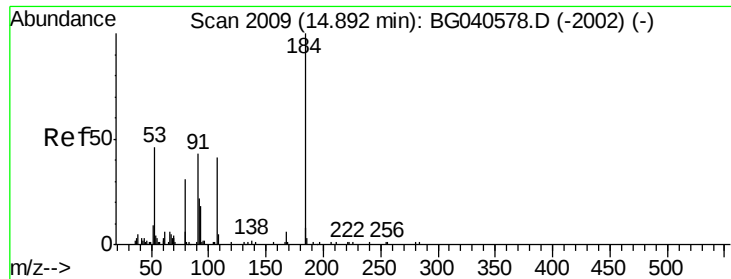
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	24.8	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.533 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040809.D
 Acq: 9 May 2019 6:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	3.3	58.6	87.8#

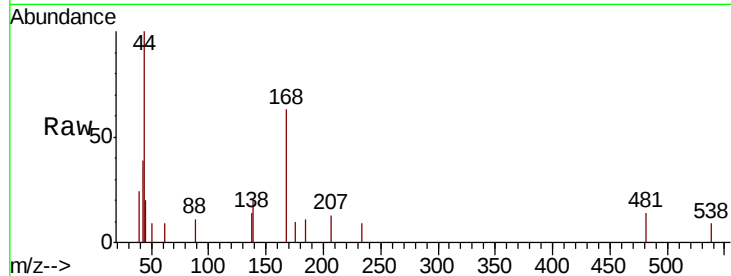




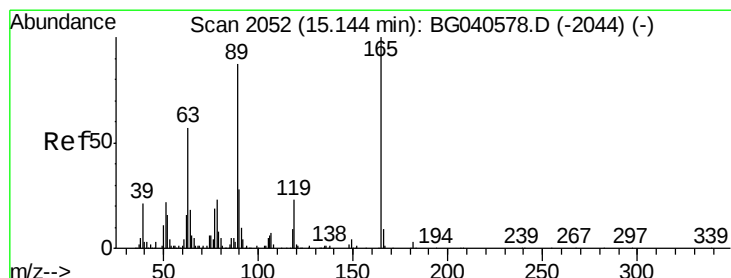
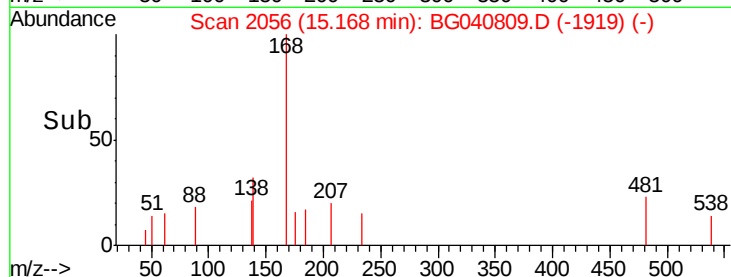
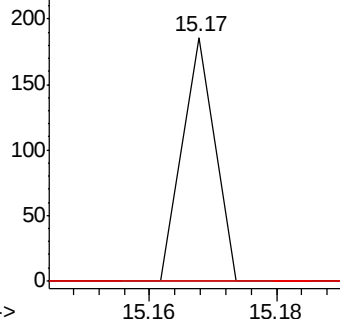
#54
2,4-Dinitrophenol
Concen: 7.067 ng
RT: 15.17 min Scan# 2056
Delta R.T. 0.28 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

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

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

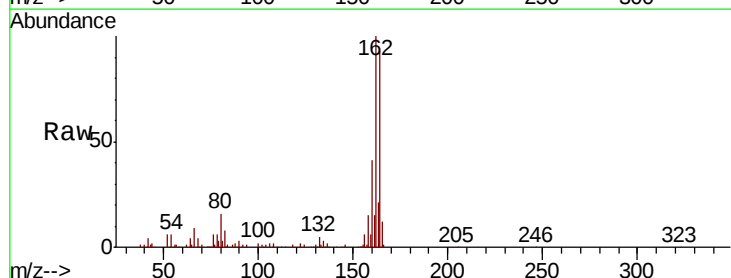


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

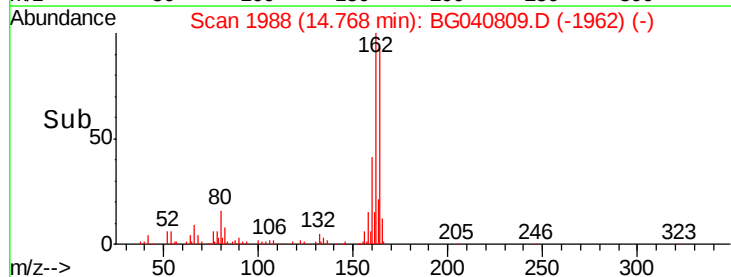
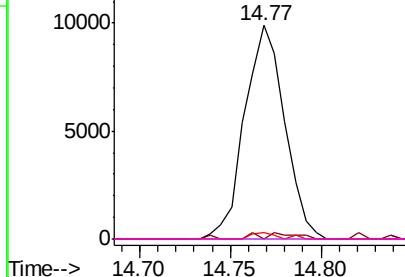


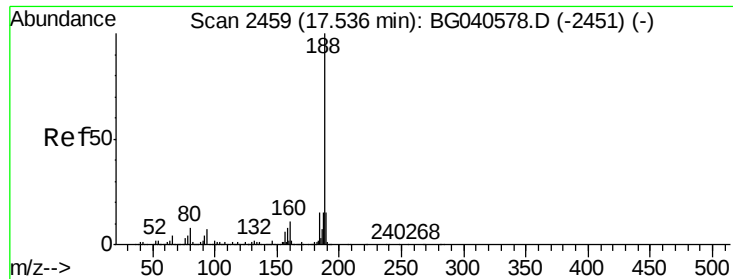
#57
2,4-Dinitrotoluene
Concen: 5.544 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

Tgt Ion:165 Resp: 15233
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 3.3 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-C

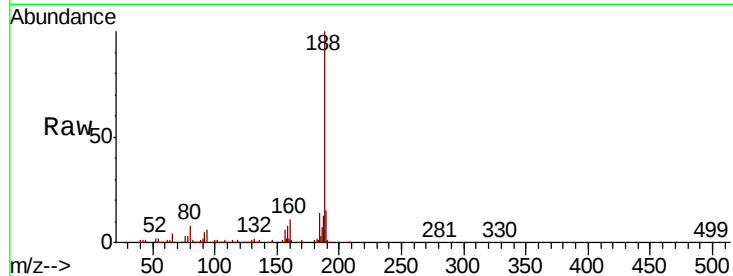
Tgt Ion:188 Resp: 347851

Ion Ratio Lower Upper

188 100

94 6.0 5.6 8.4

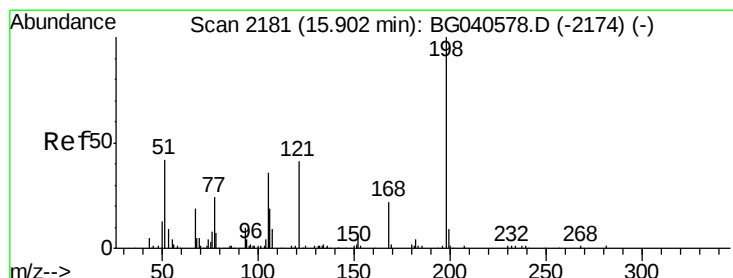
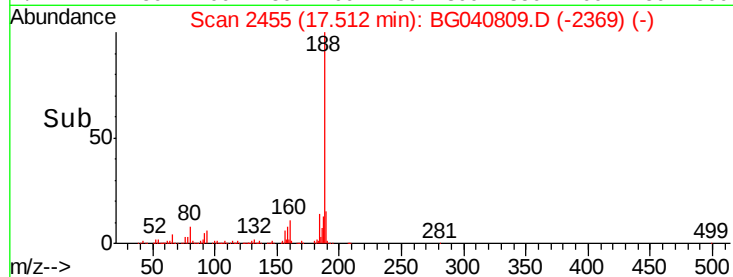
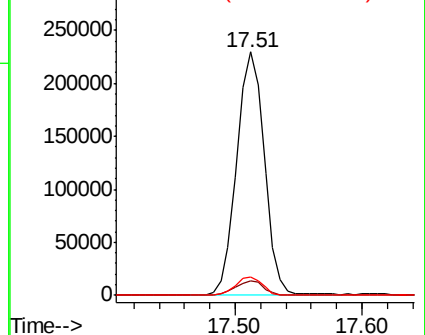
80 7.7 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.376 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

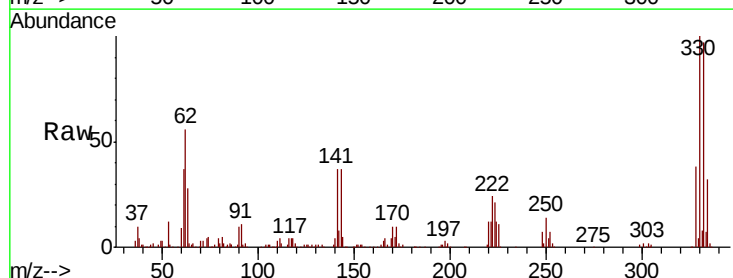
Tgt Ion:198 Resp: 553

Ion Ratio Lower Upper

198 100

51 23.6 35.9 75.9#

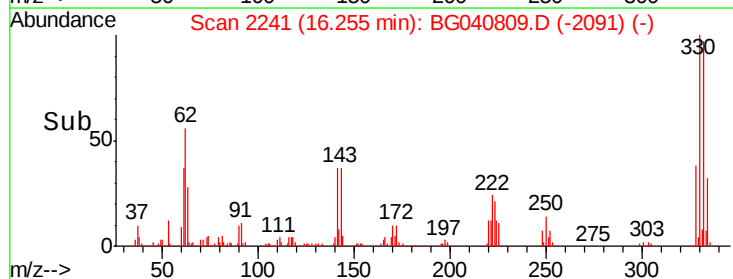
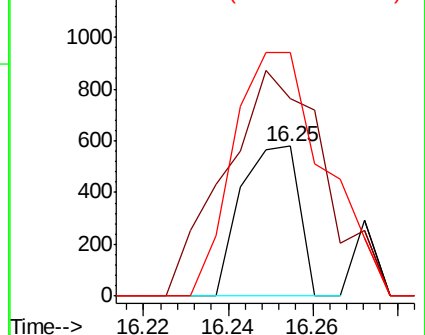
105 29.0 21.2 61.2

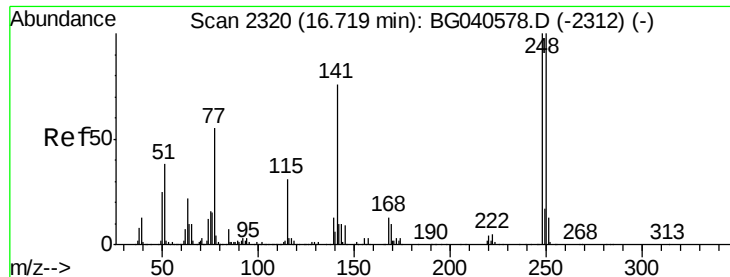


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

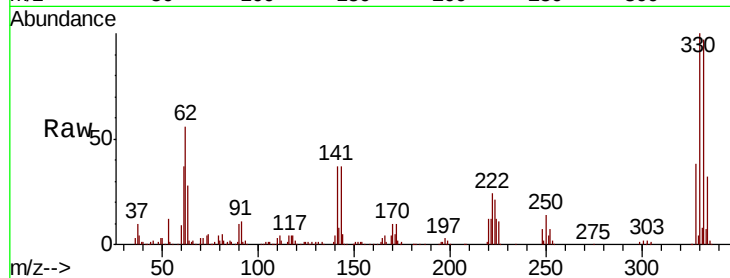




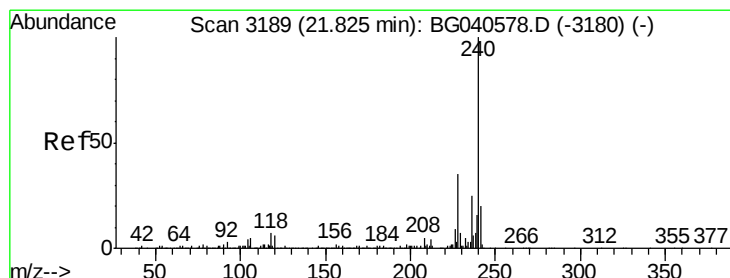
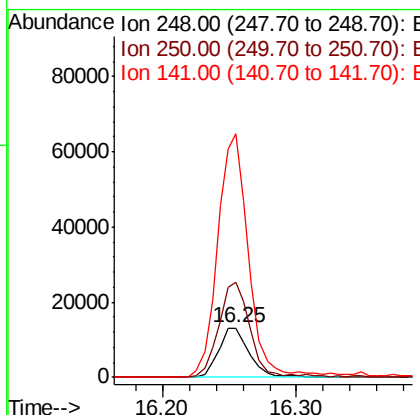
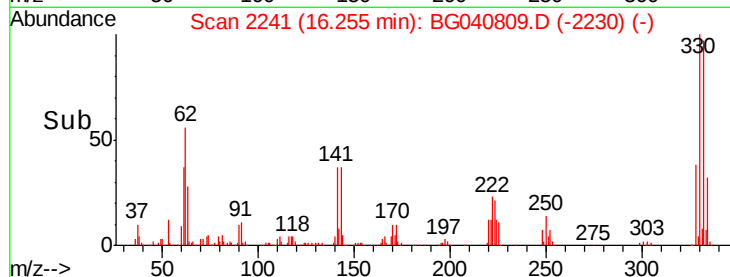
#67
 4-Bromophenyl-phenylether
 Concen: 4.867 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040809.D
 Acq: 9 May 2019 6:27

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

Tgt Ion:248 Resp: 21091
 Ion Ratio Lower Upper
 248 100
 250 151.7 79.8 119.6#
 141 388.2 60.8 91.2#

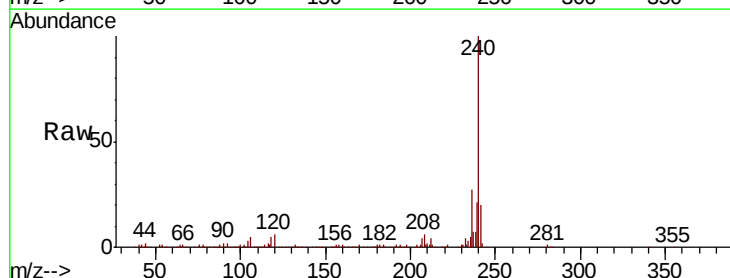


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

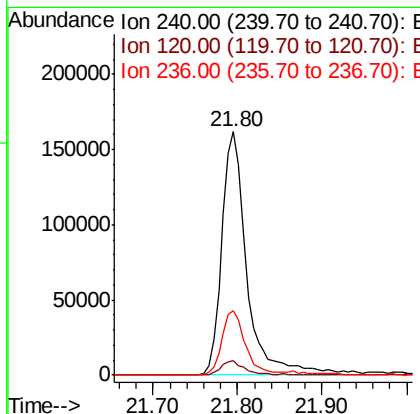
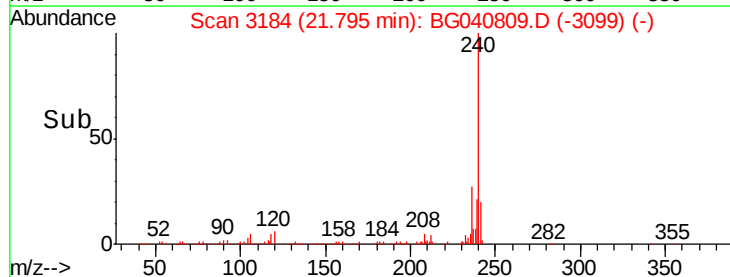


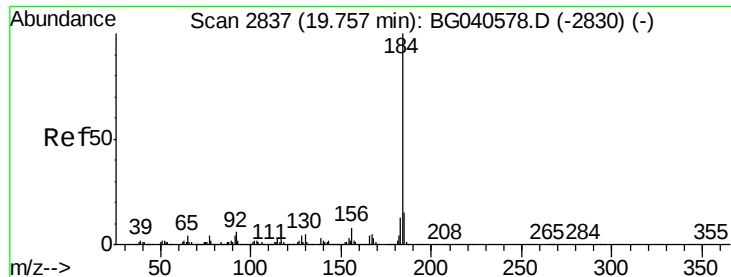
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040809.D
 Acq: 9 May 2019 6:27

Tgt Ion:240 Resp: 332180
 Ion Ratio Lower Upper
 240 100
 120 5.8 5.0 7.6
 236 26.6 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: 3.784 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-C

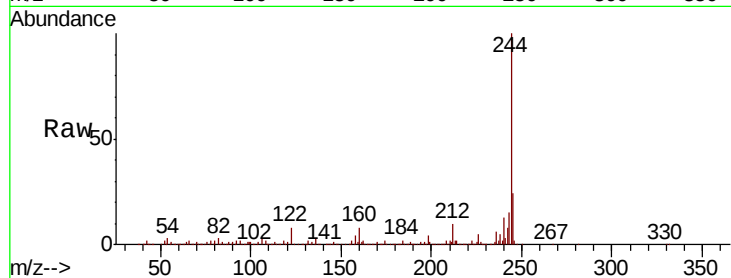
Tgt Ion:184 Resp: 34415

Ion Ratio Lower Upper

184 100

185 15.8 11.8 17.8

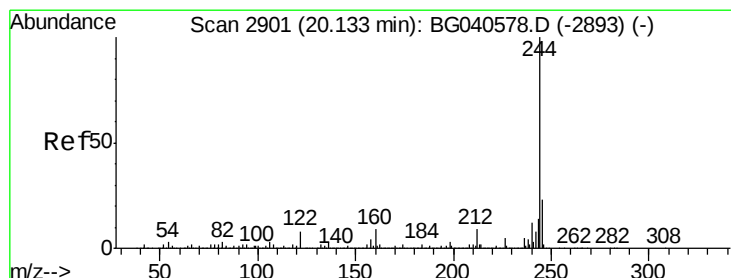
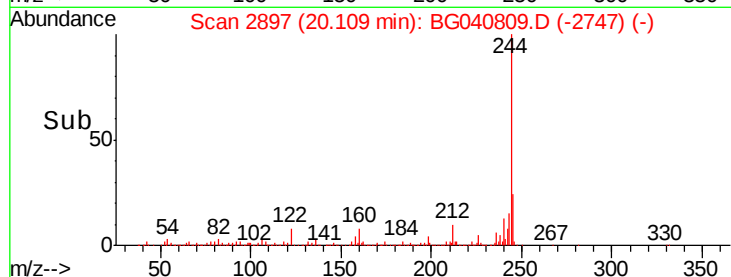
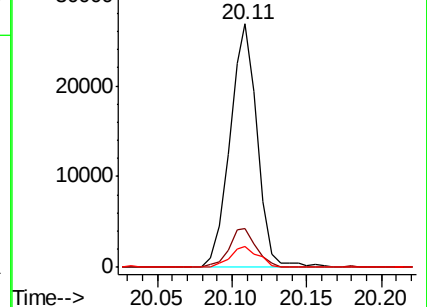
183 8.7 10.2 15.2#



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: 125.891 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040809.D

Acq: 9 May 2019 6:27

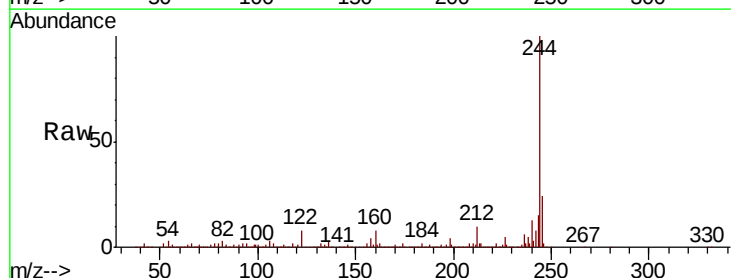
Tgt Ion:244 Resp: 1887607

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

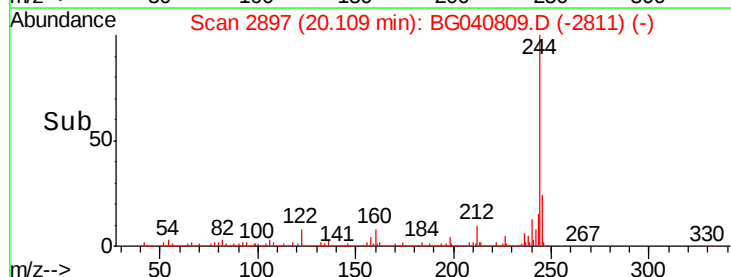
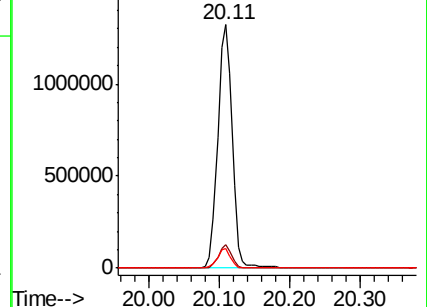
122 8.0 6.6 10.0

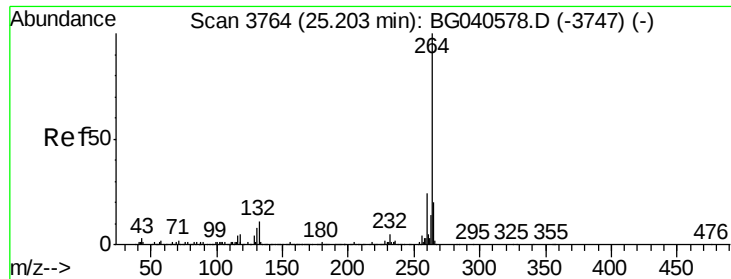


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.14 min Scan# 3754
Delta R.T. -0.06 min
Lab File: BG040809.D
Acq: 9 May 2019 6:27

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.2	19.2	28.8
265	21.0	16.6	25.0

