

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040808.D
 Acq On : 9 May 2019 5:49
 Operator : HP/JU
 Sample : K2645-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-050719-B

Quant Time: May 09 07:26:12 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

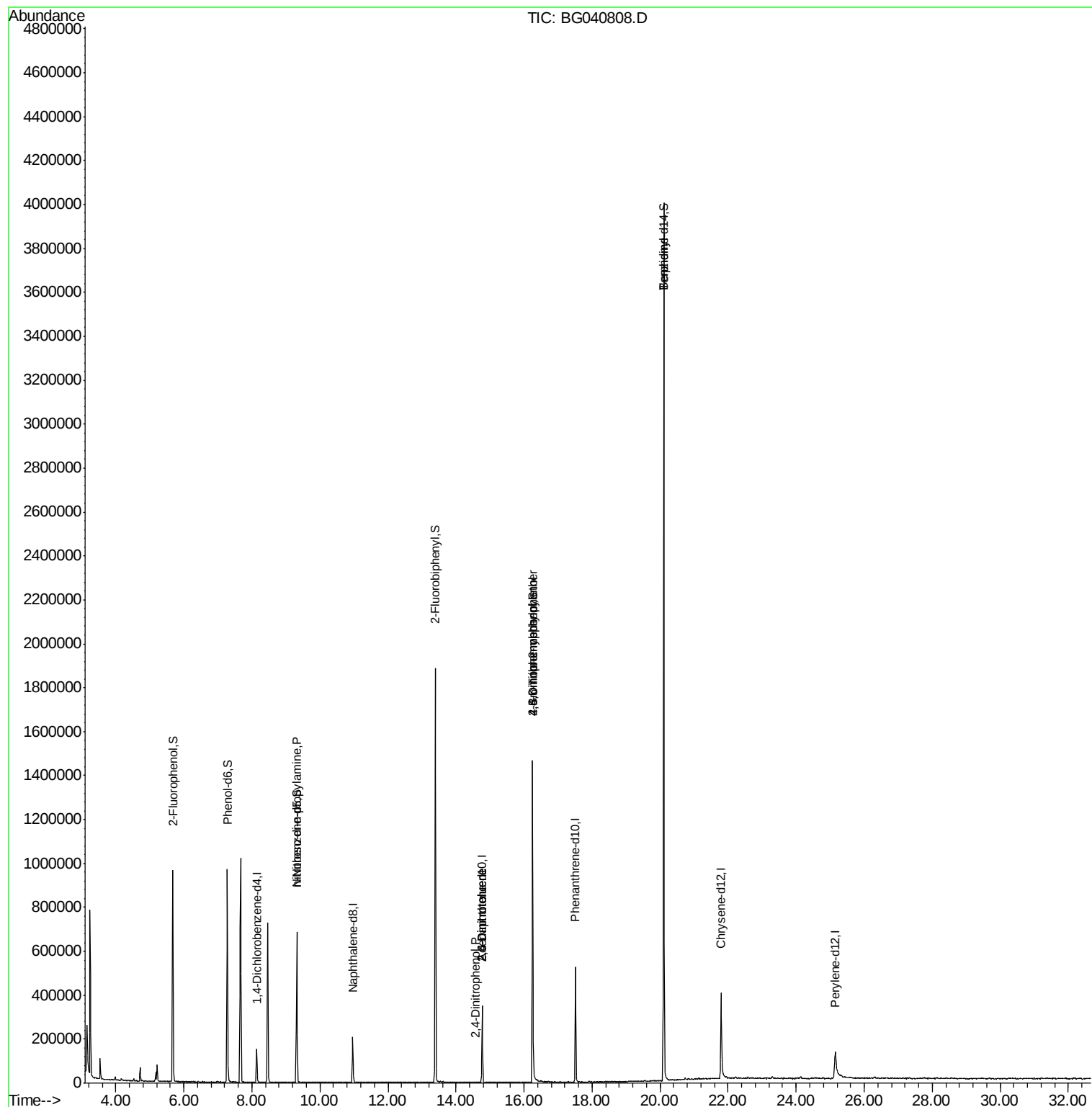
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	39296	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	158746	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	117012	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	326654	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	306570	20.00	ng	-0.03
87) Perylene-d12	25.15	264	187124	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	356462	159.90	ng	0.00
7) Phenol-d6	7.28	99	489853	142.72	ng	-0.02
23) Nitrobenzene-d5	9.32	82	415559	120.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	279842	173.99	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	925911	114.28	ng	-0.02
79) Terphenyl-d14	20.11	244	1870626	135.18	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.28	77	1189	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	58695	18.997 ng	#	76
51) 2,6-Dinitrotoluene	14.76	165	15748	8.242 ng	#	16
54) 2,4-Dinitrophenol	14.58	184	75	7.078 ng	#	21
57) 2,4-Dinitrotoluene	14.76	165	15748	6.065 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.26	198	509	7.371 ng	#	1
67) 4-Bromophenyl-phenylether	16.25	248	22002	5.406 ng	#	1
77) Benzidine	20.11	184	32696	3.895 ng	#	93

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

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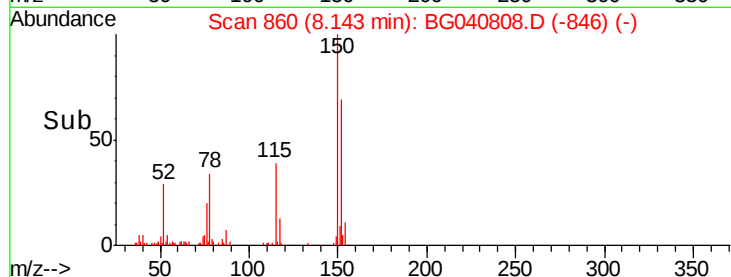
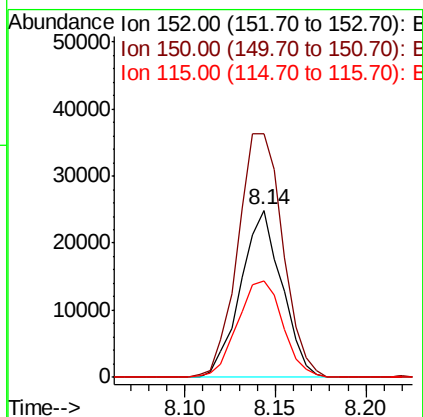
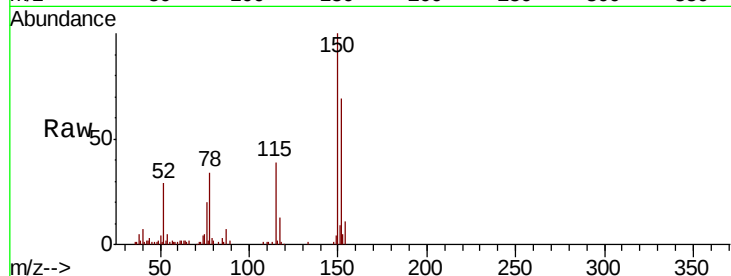


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-B

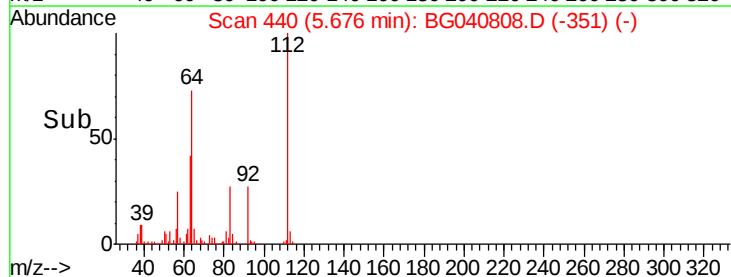
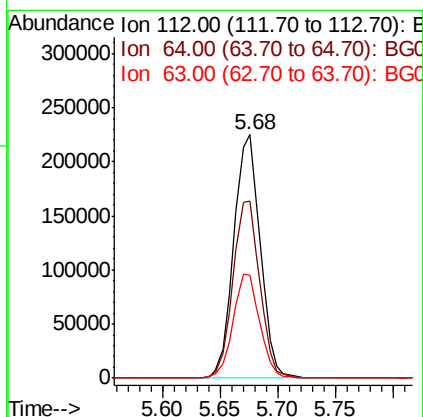
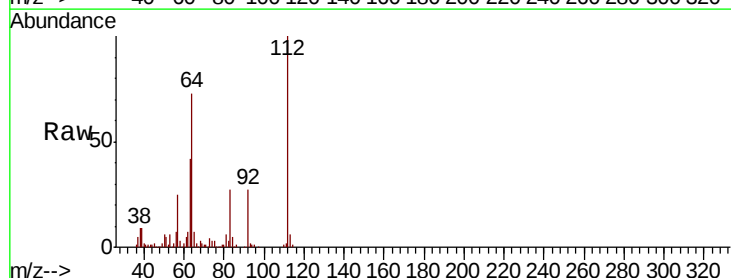
Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.9	120.2	180.2
115	57.6	46.2	69.2

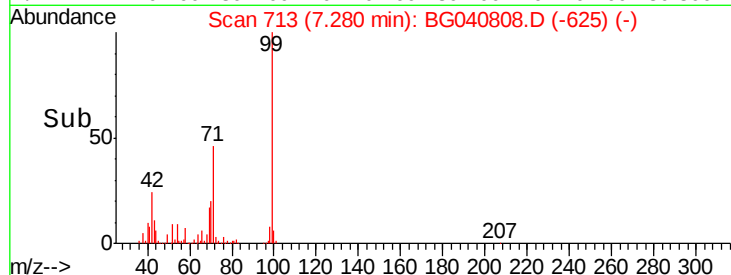
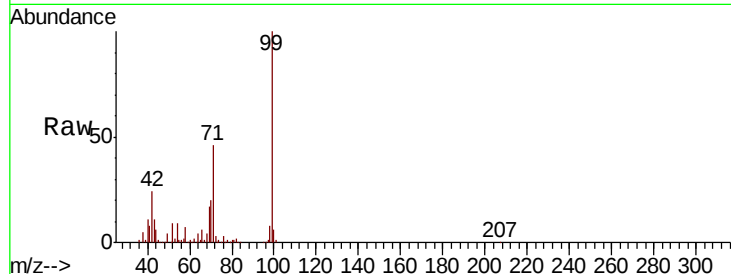


#5

2-Fluorophenol
Concen: 159.904 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	61.4	92.0
63	42.3	37.8	56.6





#7

Phenol-d6

Concen: 142.715 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

Instrument :

BNA_G

ClientSampleId :

PL-02-050719-B

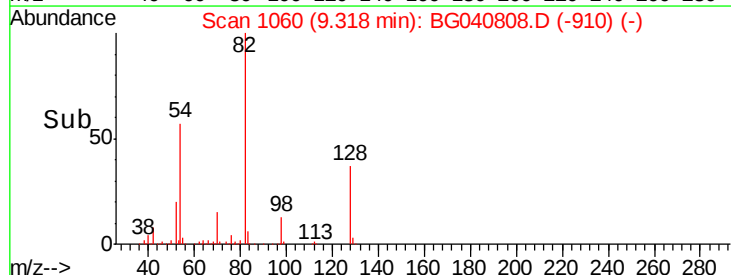
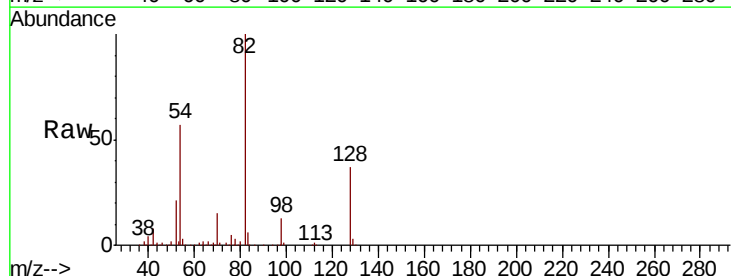
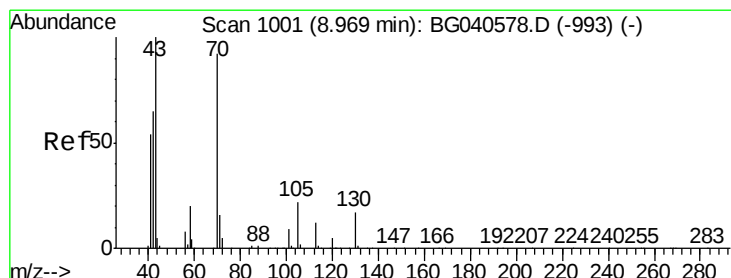
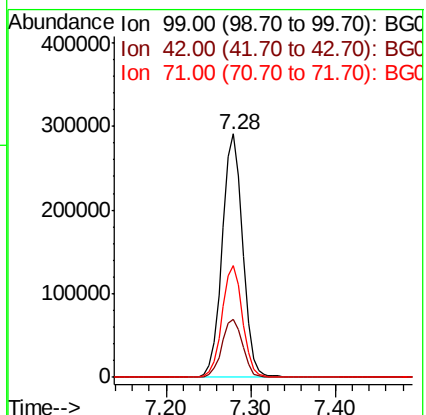
Tgt Ion: 99 Resp: 489853

Ion Ratio Lower Upper

99 100

42 24.1 21.8 32.8

71 45.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.997 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

Tgt Ion: 70 Resp: 58695

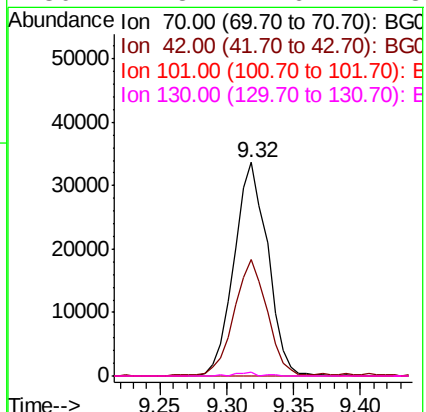
Ion Ratio Lower Upper

70 100

42 54.4 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

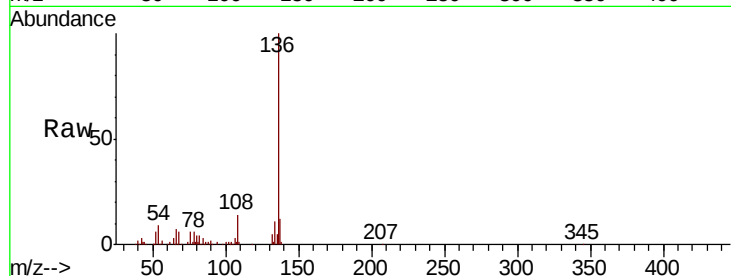




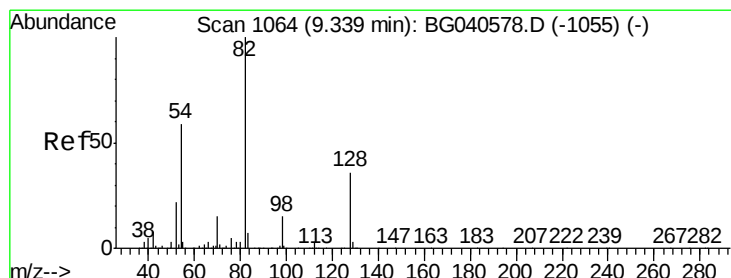
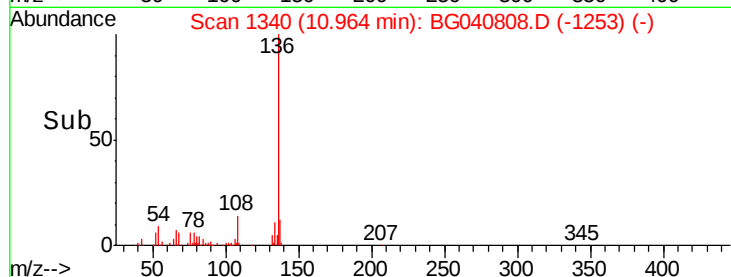
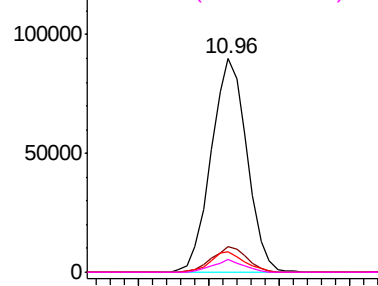
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-B

Tgt Ion:	136	Resp:	158746
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	9.3	8.6	12.8
68	5.9	4.8	7.2

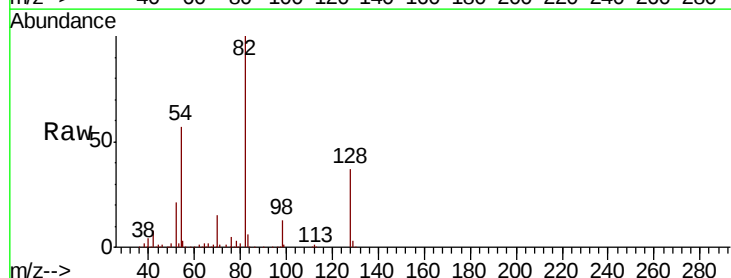


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

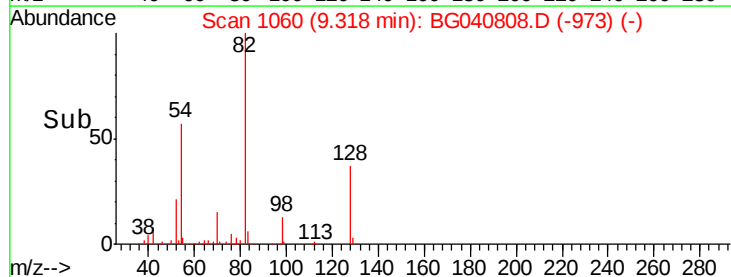
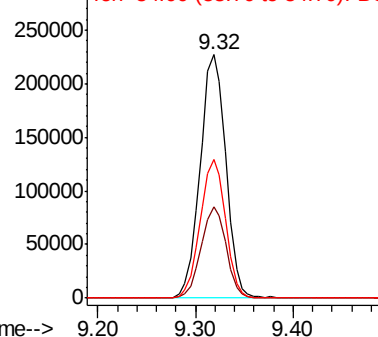


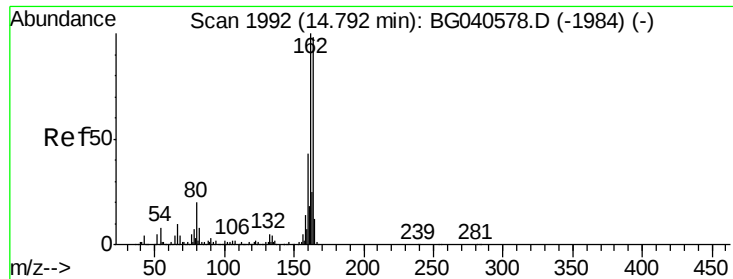
#23
Nitrobenzene-d5
Concen: 120.957 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Tgt Ion:	82	Resp:	415559
Ion	Ratio	Lower	Upper
82	100		
128	37.5	28.9	43.3
54	57.2	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: BG040808.D

Acq: 9 May 2019 5:49

Instrument :

BNA_G

ClientSampleId :

PL-02-050719-B

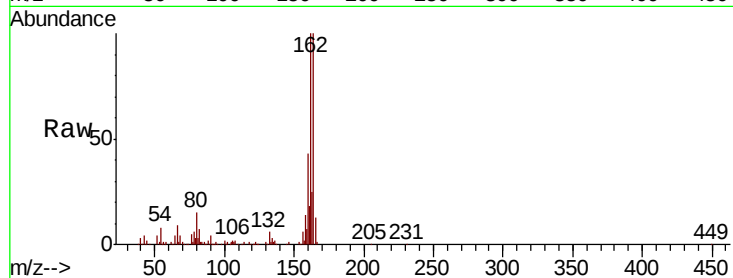
Tgt Ion:164 Resp: 117012

Ion Ratio Lower Upper

164 100

162 100.1 81.9 122.9

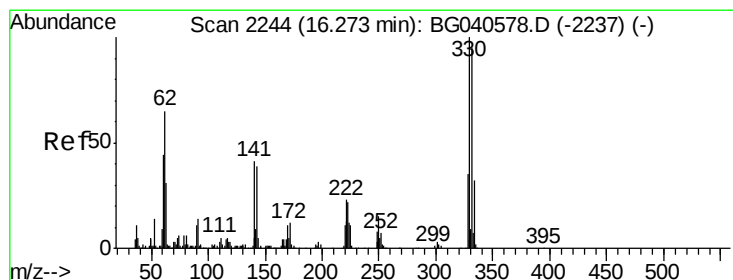
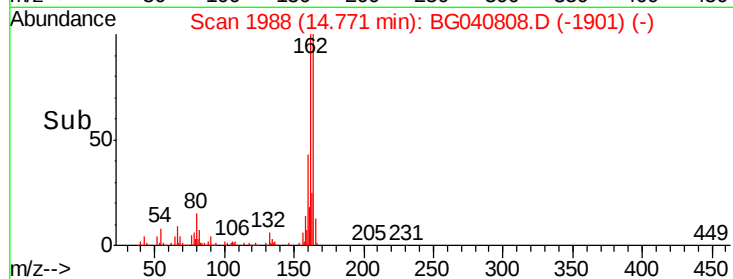
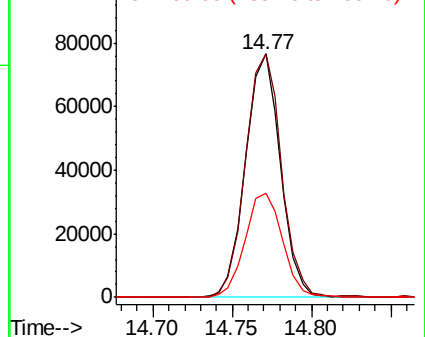
160 42.9 35.4 53.2



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: 173.993 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

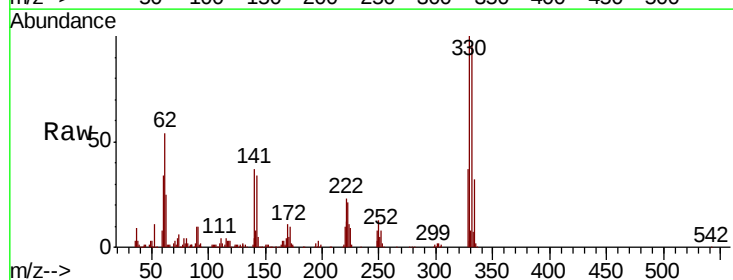
Tgt Ion:330 Resp: 279842

Ion Ratio Lower Upper

330 100

332 97.6 75.9 113.9

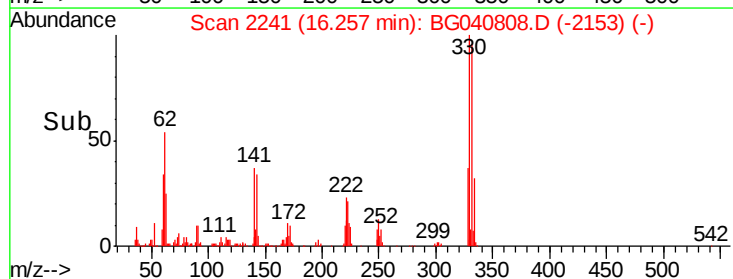
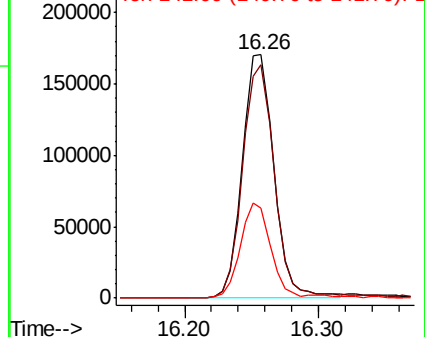
141 37.3 32.4 48.6



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

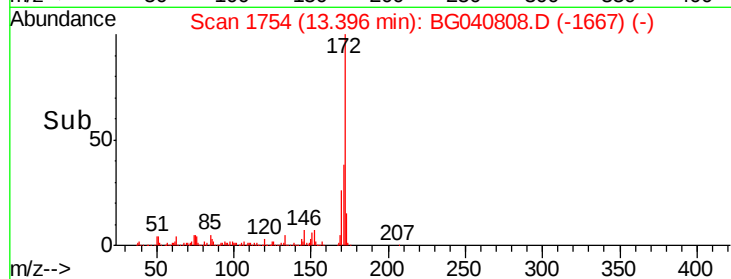
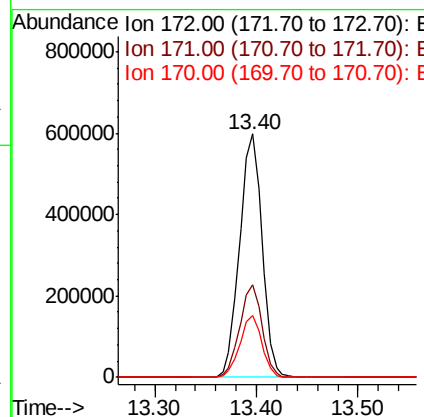
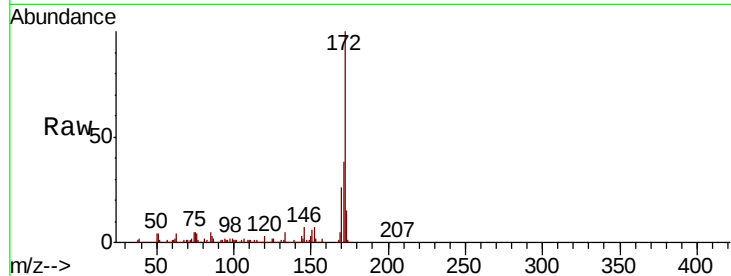




#45
 2-Fluorobiphenyl
 Concen: 114.279 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040808.D
 Acq: 9 May 2019 5:49

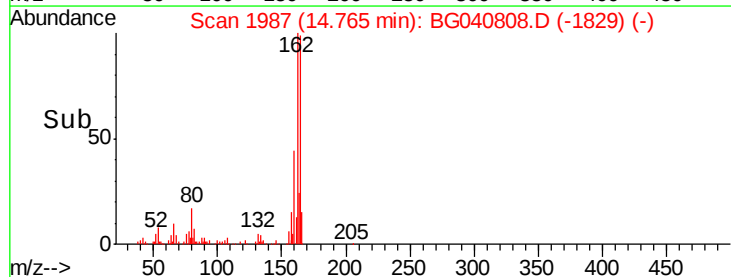
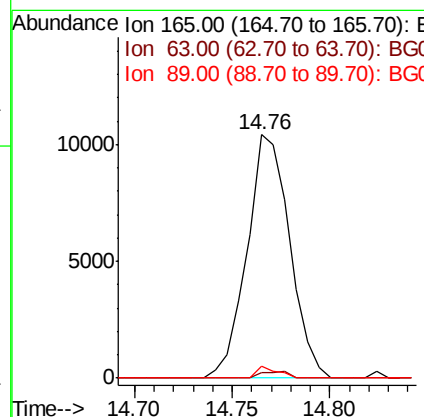
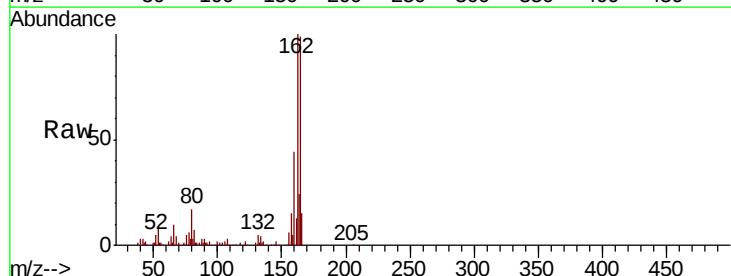
Instrument :
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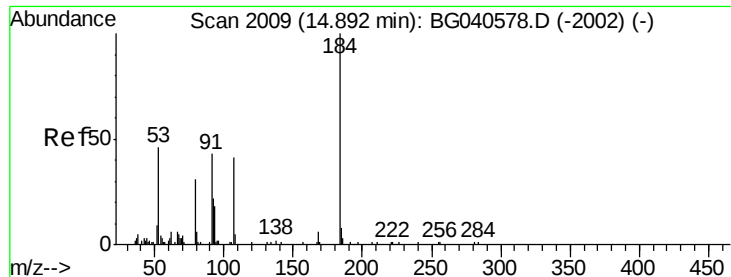
Tgt Ion:	172	Resp:	925911
Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.4	44.2
170	25.7	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.242 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.40 min
 Lab File: BG040808.D
 Acq: 9 May 2019 5:49

Tgt Ion:	165	Resp:	15748
Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	4.9	58.6	87.8#

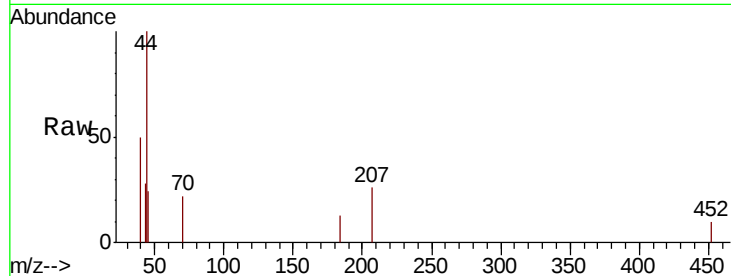




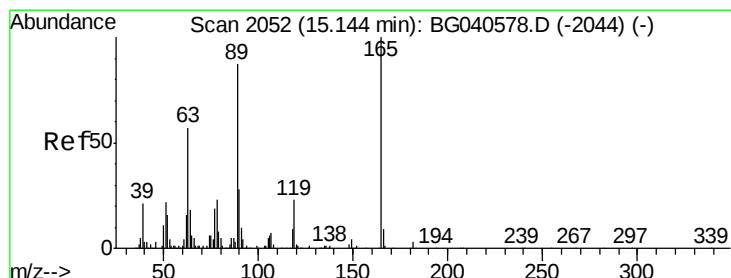
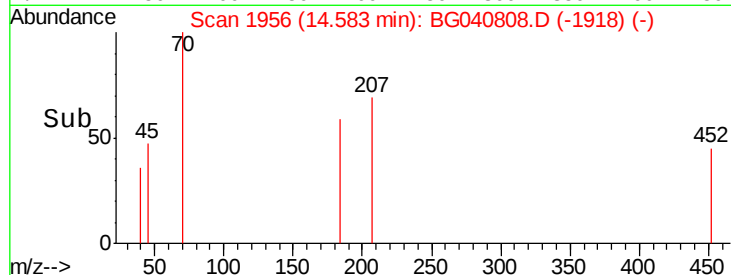
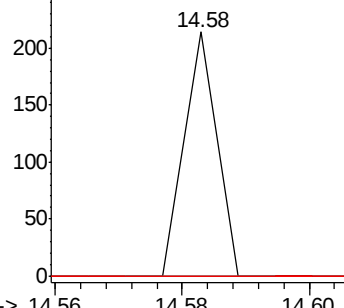
#54
2,4-Dinitrophenol
Concen: 7.078 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.31 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-B

Tgt Ion:184 Resp: 75
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

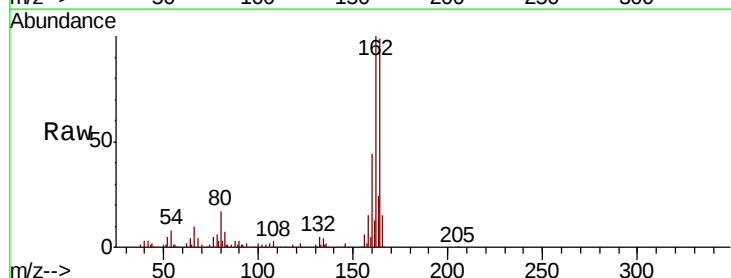


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

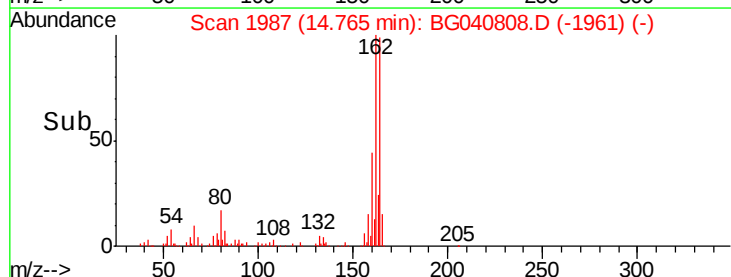
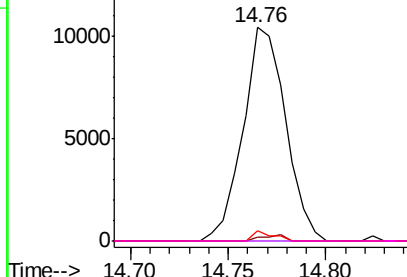


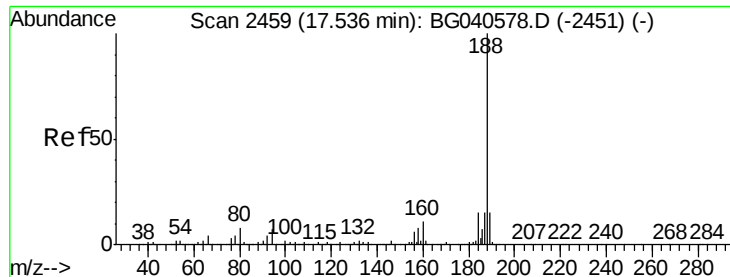
#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Tgt Ion:165 Resp: 15748
Ion Ratio Lower Upper
165 100
63 2.0 45.8 68.8#
89 4.9 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: BG040808.D

Acq: 9 May 2019 5:49

Instrument :

BNA_G

ClientSampleId :

PL-02-050719-B

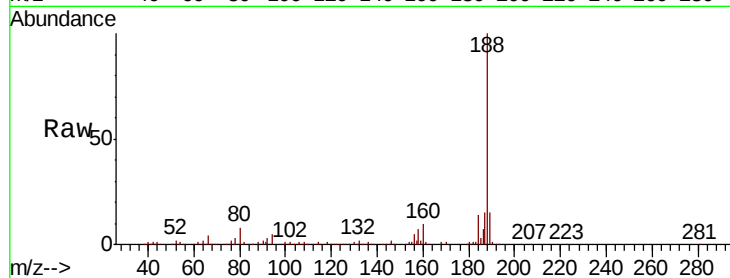
Tgt Ion:188 Resp: 326654

Ion Ratio Lower Upper

188 100

94 5.4 5.6 8.4#

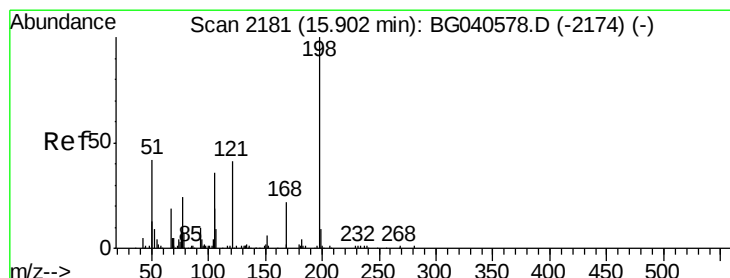
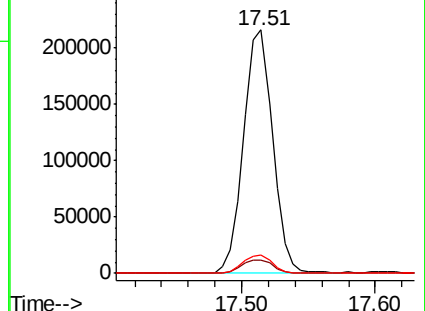
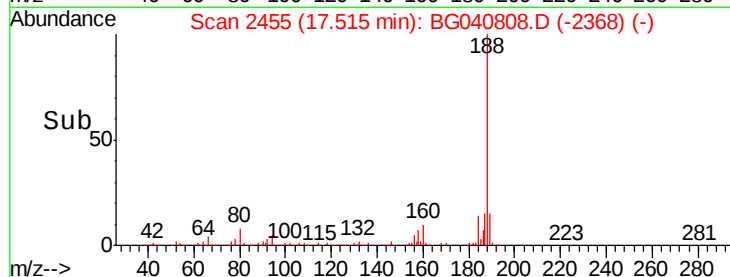
80 7.6 6.4 9.6



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: 7.371 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.36 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

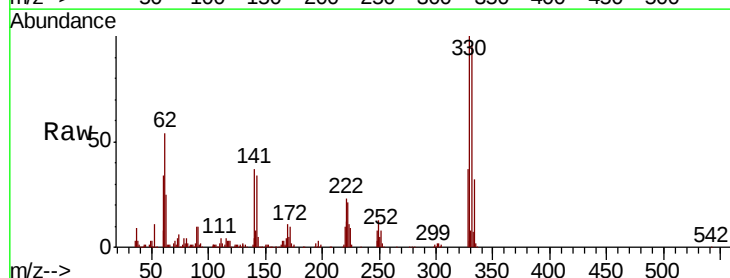
Tgt Ion:198 Resp: 509

Ion Ratio Lower Upper

198 100

51 81.5 35.9 75.9#

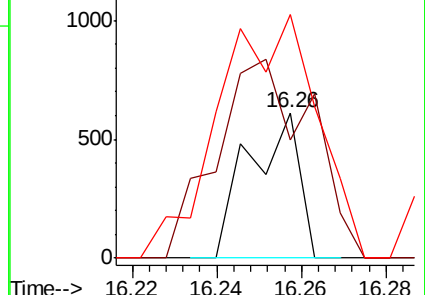
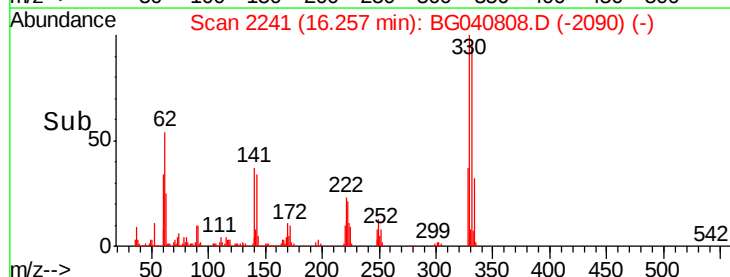
105 167.8 21.2 61.2#

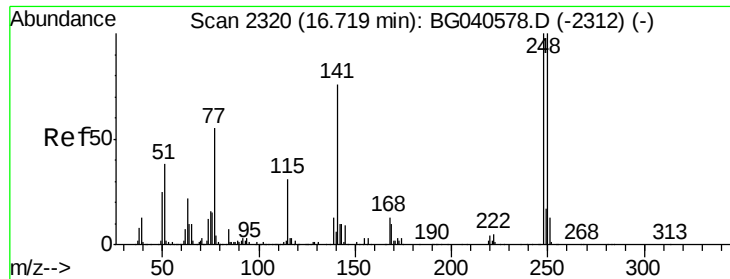


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

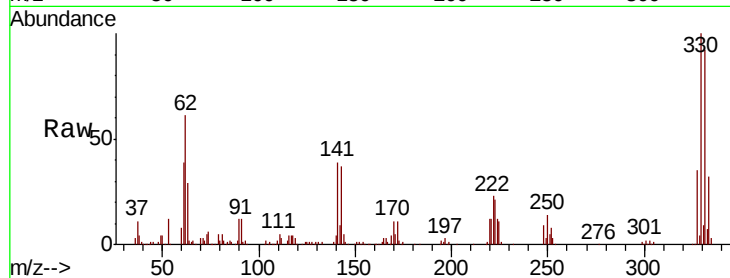




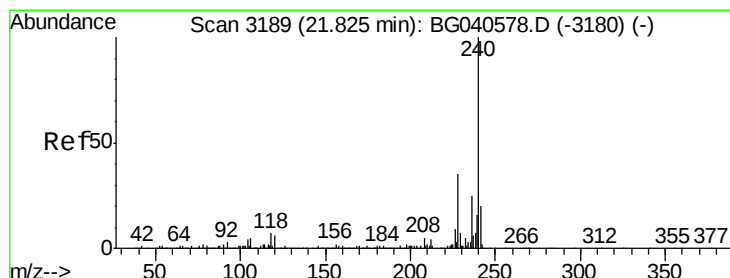
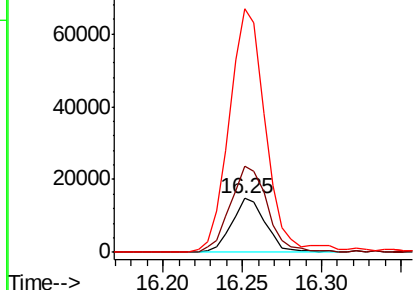
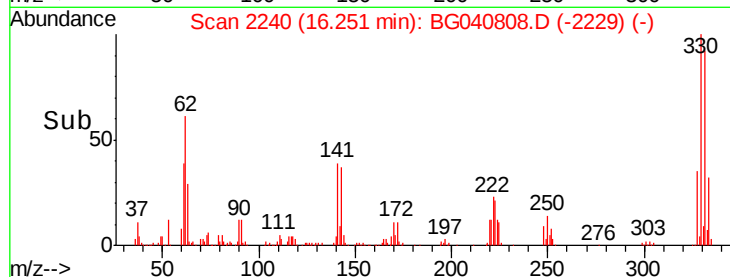
#67
4-Bromophenyl-phenylether
Concen: 5.406 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.47 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Instrument :
BNA_G
ClientSampleId :
PL-02-050719-B

Tgt Ion:248 Resp: 22002
Ion Ratio Lower Upper
248 100
250 161.9 79.8 119.6#
141 454.3 60.8 91.2#

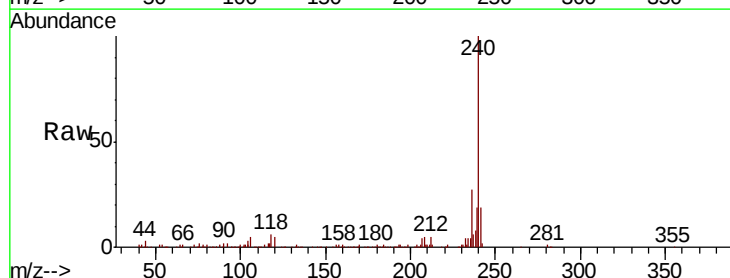


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

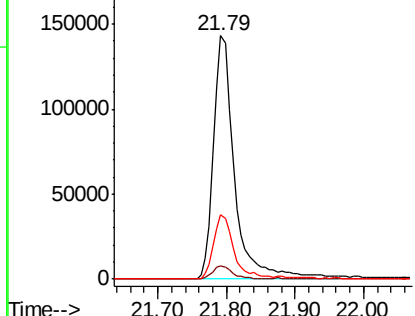
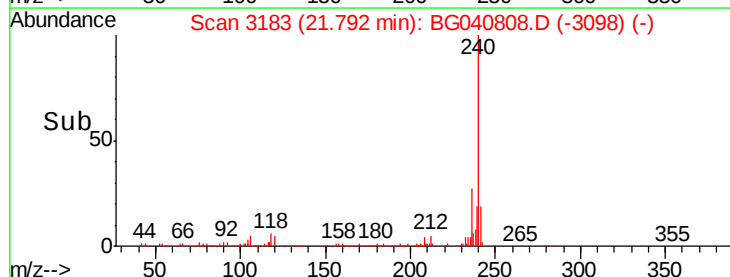


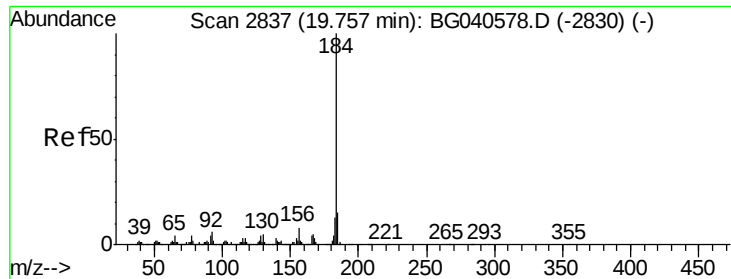
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.03 min
Lab File: BG040808.D
Acq: 9 May 2019 5:49

Tgt Ion:240 Resp: 306570
Ion Ratio Lower Upper
240 100
120 5.4 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: 3.895 ng

RT: 20.11 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

Instrument :

BNA_G

ClientSampleId :

PL-02-050719-B

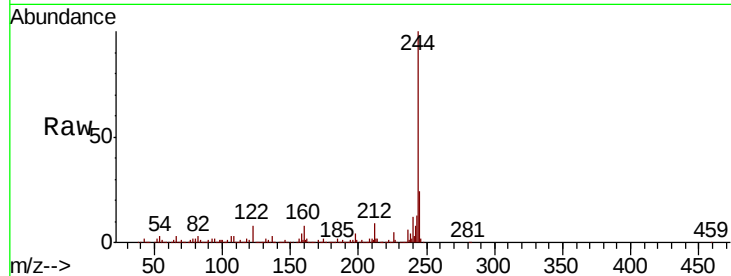
Tgt Ion:184 Resp: 32696

Ion Ratio Lower Upper

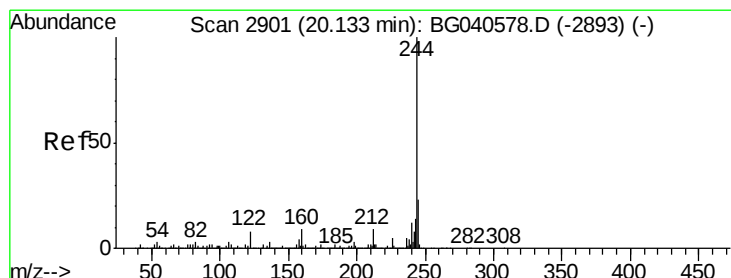
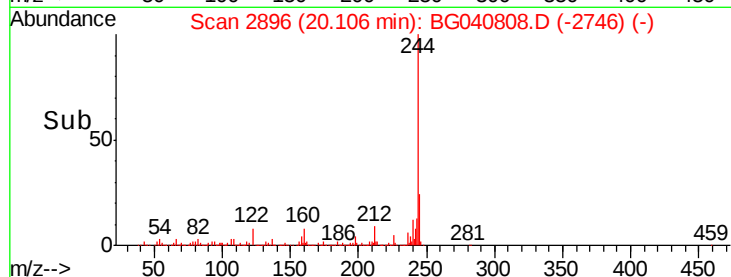
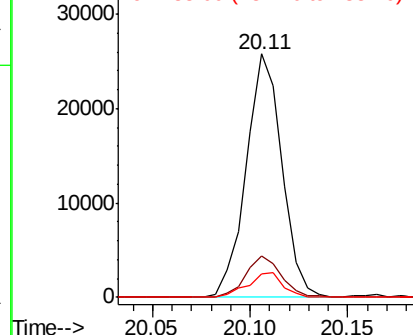
184 100

185 17.1 11.8 17.8

183 9.5 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: 135.180 ng

RT: 20.11 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

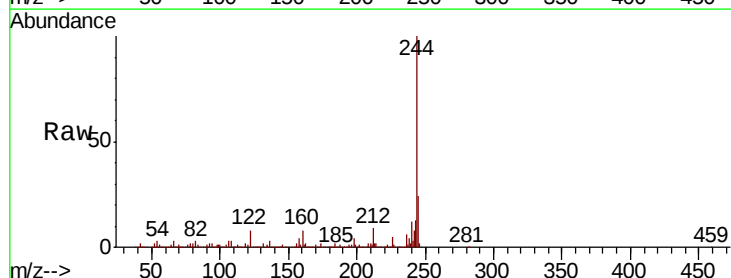
Tgt Ion:244 Resp: 1870626

Ion Ratio Lower Upper

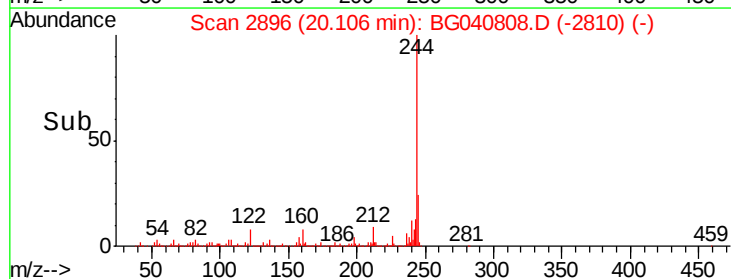
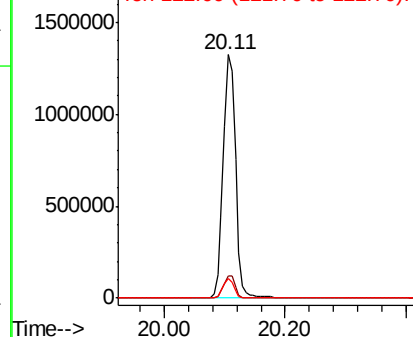
244 100

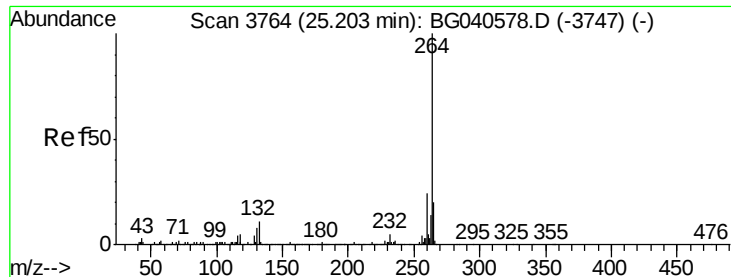
212 9.2 7.2 10.8

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

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040808.D

Acq: 9 May 2019 5:49

Instrument :

BNA_G

ClientSampleId :

PL-02-050719-B

Tgt Ion: 264 Resp: 187124

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.1 16.6 25.0

