

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040828.D
 Acq On : 9 May 2019 22:56
 Operator : HP/JU
 Sample : K2762-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS004-0612-01

Quant Time: May 10 06:24:06 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

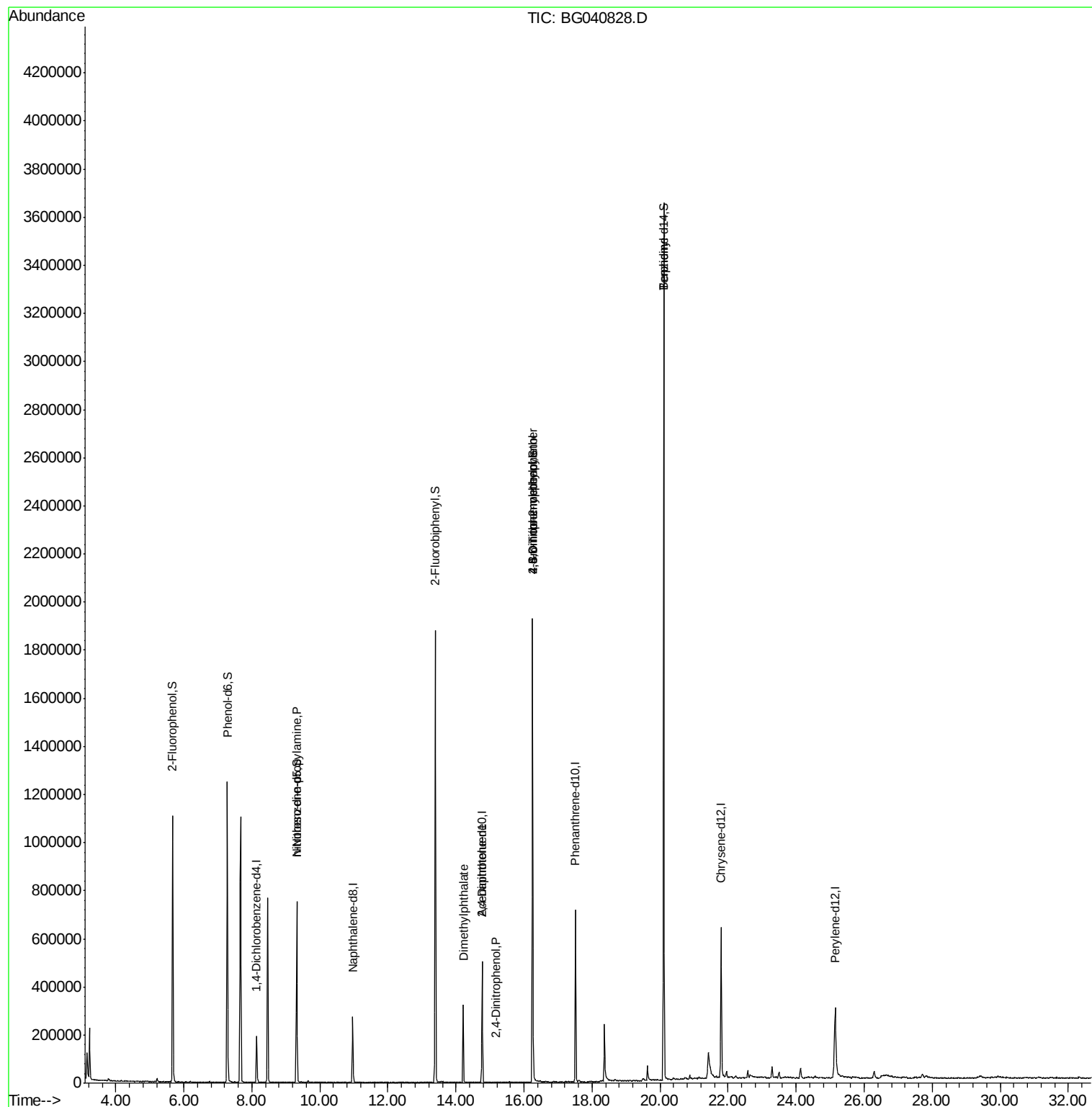
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	48793	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	211577	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	168787	20.00	ng	-0.03
64) Phenanthrene-d10	17.52	188	445099	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	424951	20.00	ng	-0.03
87) Perylene-d12	25.15	264	392426	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	414940	149.91	ng	-0.01
7) Phenol-d6	7.28	99	633027	148.53	ng	-0.01
23) Nitrobenzene-d5	9.32	82	445445	97.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	363676	156.76	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	993207	84.98	ng	-0.02
79) Terphenyl-d14	20.11	244	1706859	88.98	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1697	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	64653	16.852	ng	# 78
50) Dimethylphthalate	14.21	163	202874	14.366	ng	# 98
54) 2,4-Dinitrophenol	15.18	184	67	7.054	ng	# 21
57) 2,4-Dinitrotoluene	14.77	165	22457	5.996	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.25	198	1283	7.600	ng	# 77
67) 4-Bromophenyl-phenylether	16.25	248	27111	4.889	ng	# 1
77) Benzydine	20.11	184	30009	2.579	ng	# 92

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

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QLast Update : Wed Apr 24 05:35:33 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

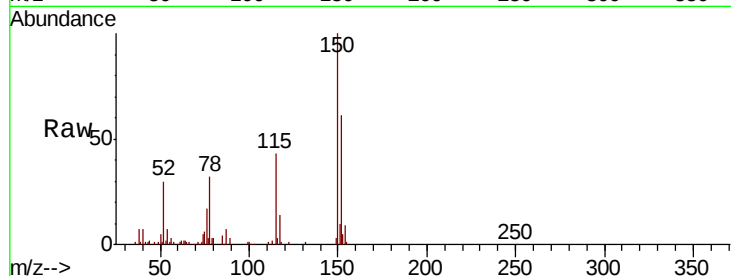
Tgt Ion:152 Resp: 48793

Ion Ratio Lower Upper

152 100

150 163.6 120.2 180.2

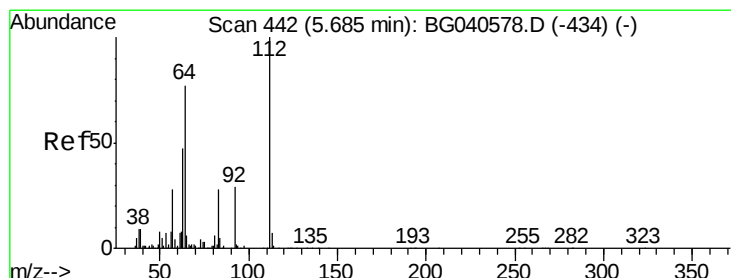
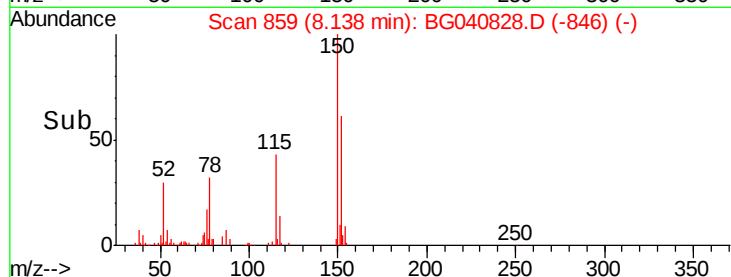
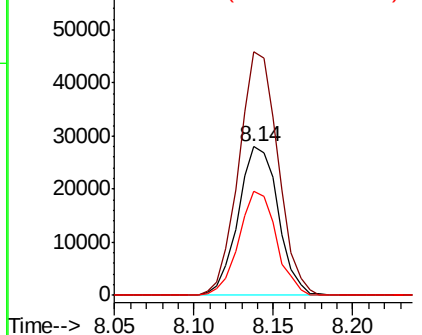
115 69.7 46.2 69.2#



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: 149.907 ng

RT: 5.67 min Scan# 439

Delta R.T. -0.01 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

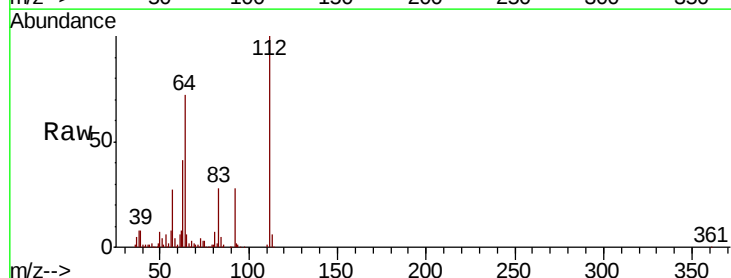
Tgt Ion:112 Resp: 414940

Ion Ratio Lower Upper

112 100

64 71.9 61.4 92.0

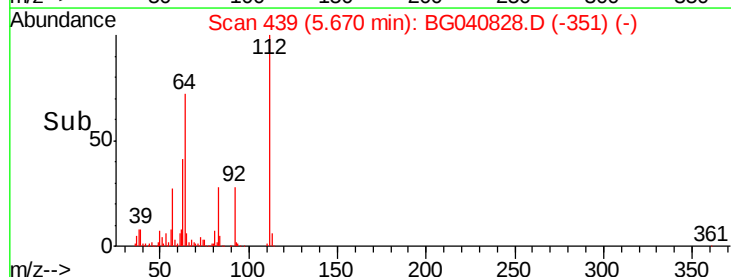
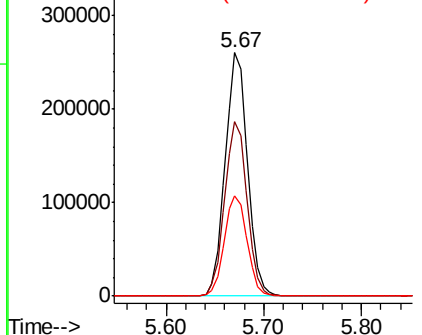
63 41.4 37.8 56.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 148.531 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

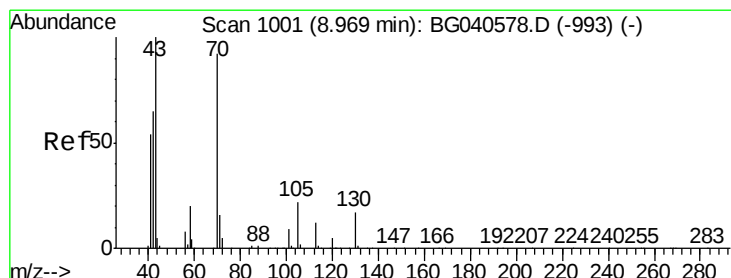
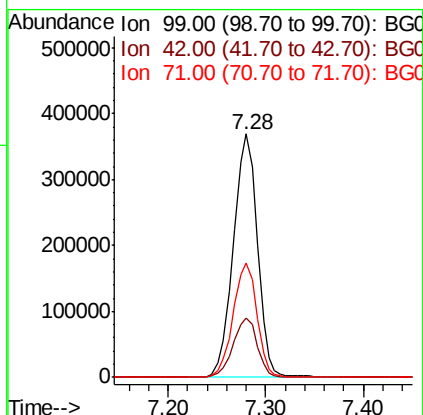
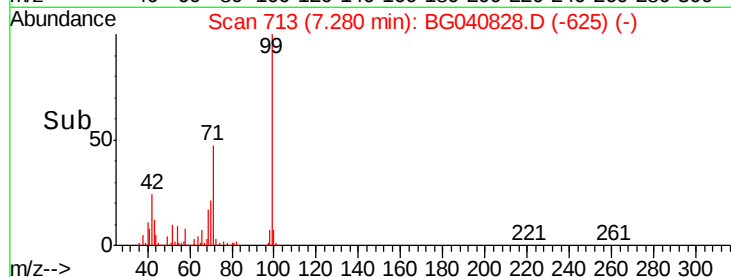
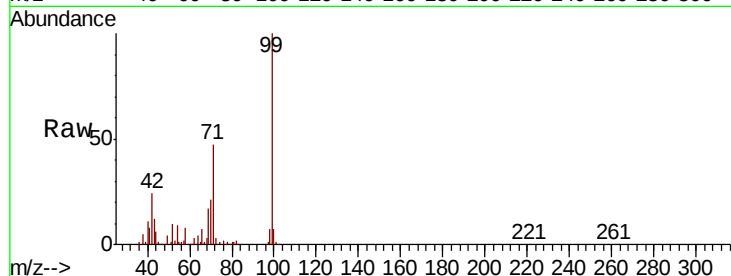
Tgt Ion: 99 Resp: 633027

Ion Ratio Lower Upper

99 100

42 24.2 21.8 32.8

71 47.2 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.852 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Tgt Ion: 70 Resp: 64653

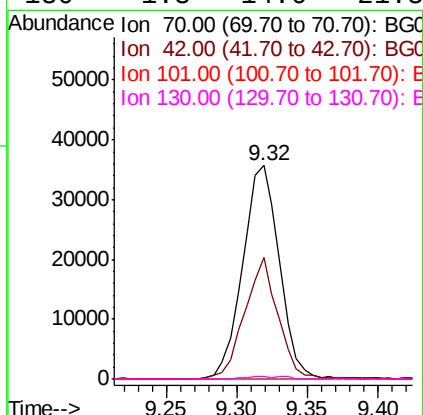
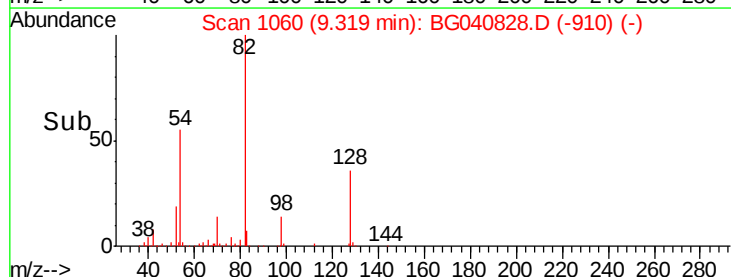
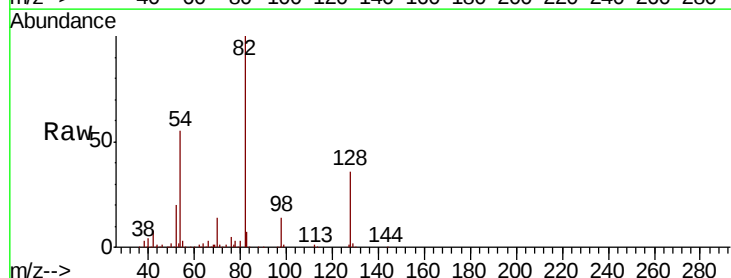
Ion Ratio Lower Upper

70 100

42 56.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.3 14.6 21.8#

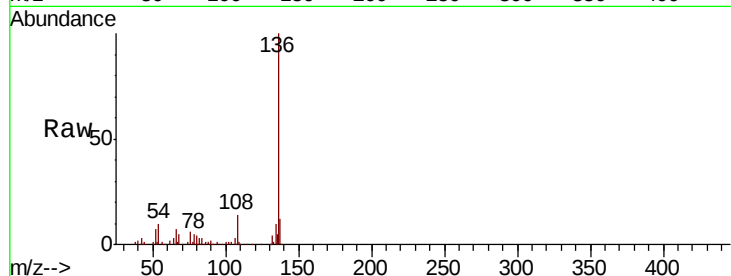




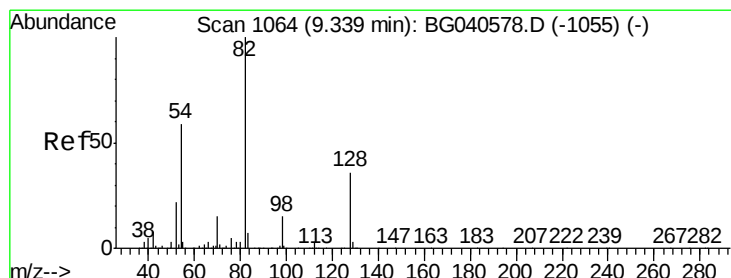
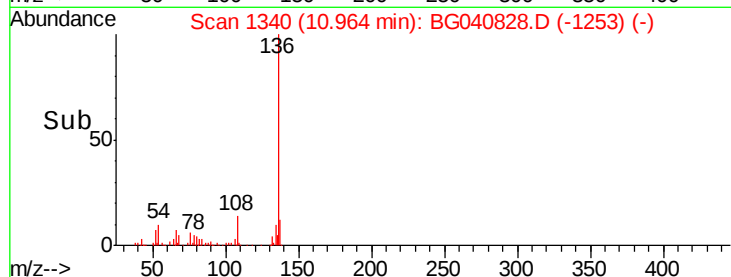
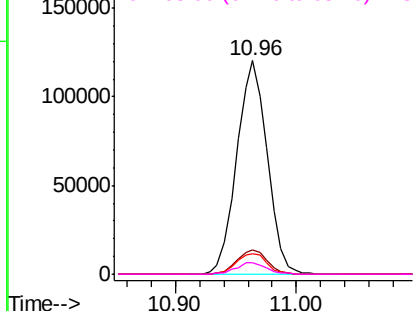
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040828.D
Acq: 9 May 2019 22:56

Instrument :
BNA_G
ClientSampleId :
P021-SS004-0612-01

Tgt Ion:	136	Resp:	211577
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	9.7	8.6	12.8
68	5.4	4.8	7.2

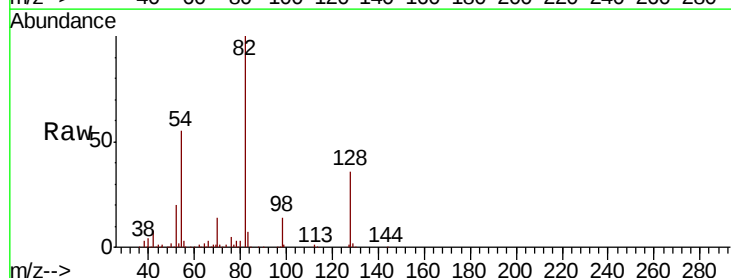


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

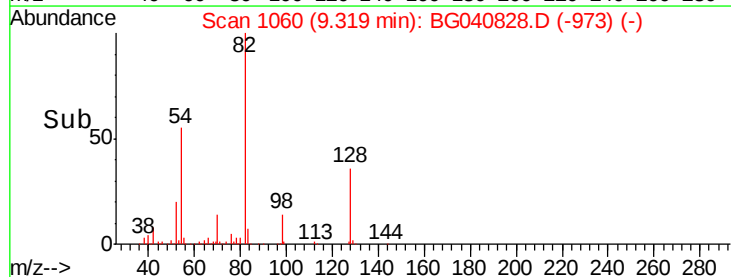
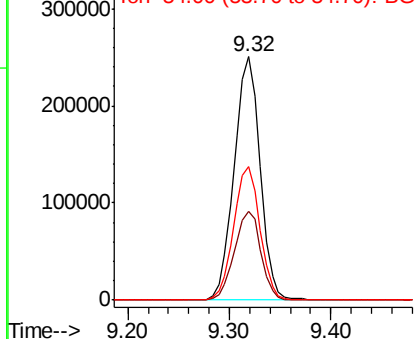


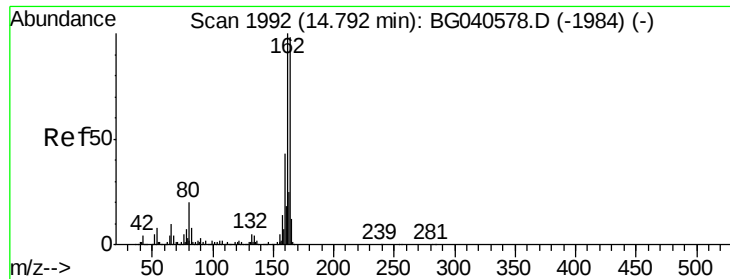
#23
Nitrobenzene-d5
Concen: 97.281 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040828.D
Acq: 9 May 2019 22:56

Tgt Ion:	82	Resp:	445445
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	55.1	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# 1987

Delta R.T. -0.03 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

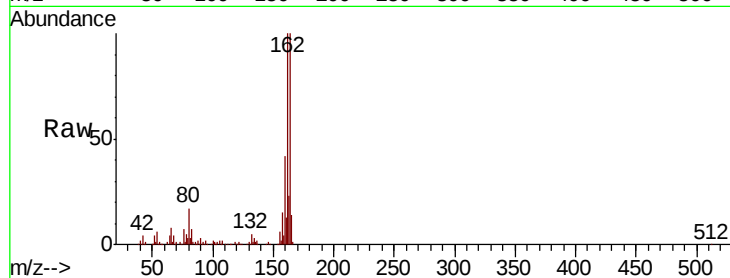
Tgt Ion:164 Resp: 168787

Ion Ratio Lower Upper

164 100

162 100.3 81.9 122.9

160 42.3 35.4 53.2

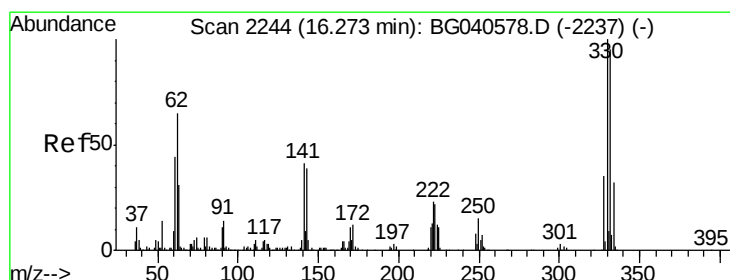
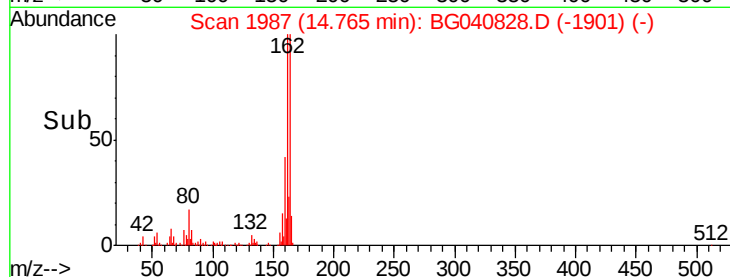
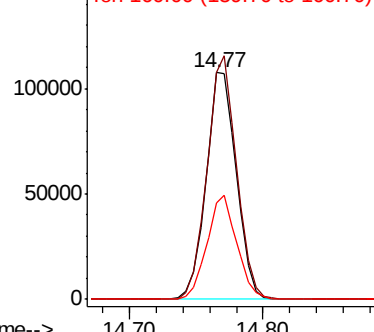


Abundance

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: 156.756 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

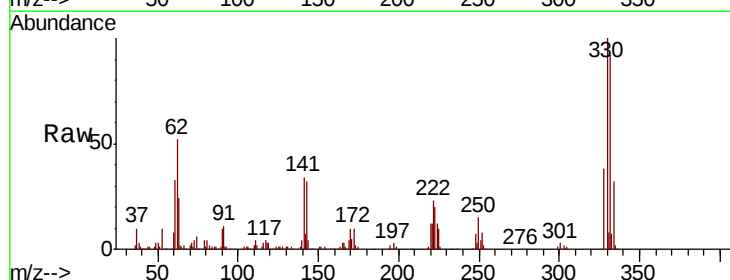
Tgt Ion:330 Resp: 363676

Ion Ratio Lower Upper

330 100

332 94.3 75.9 113.9

141 35.9 32.4 48.6

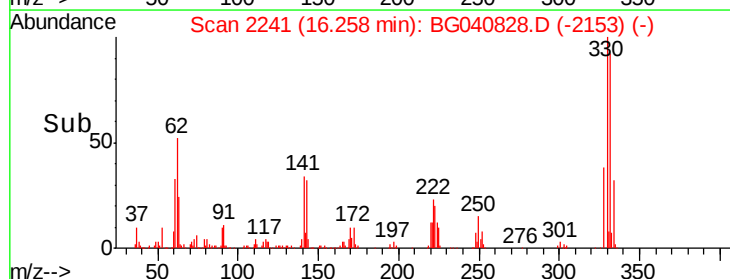
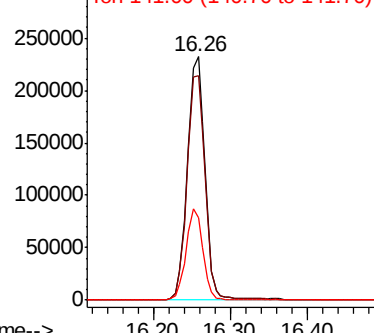


Abundance

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

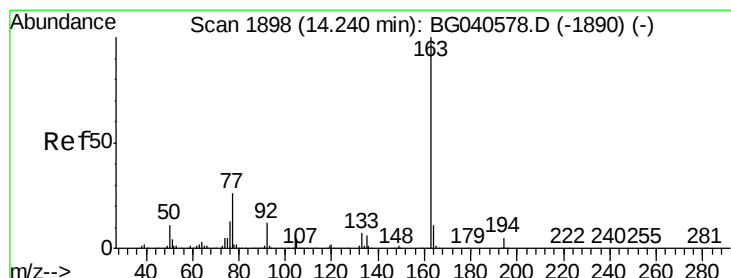
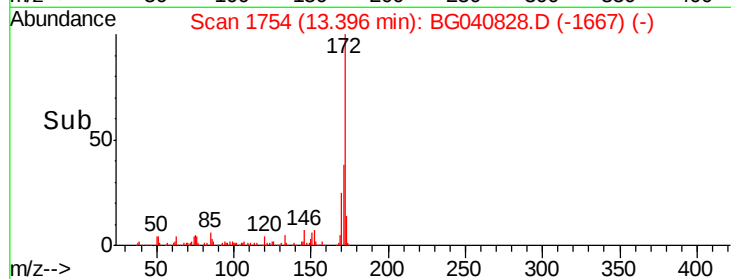
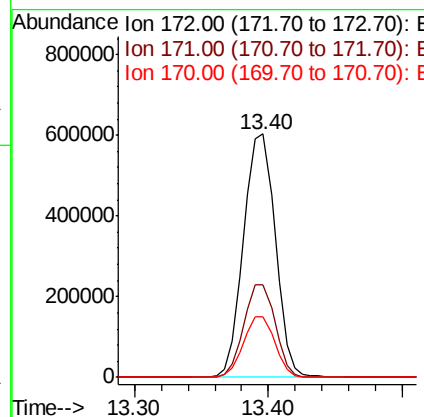
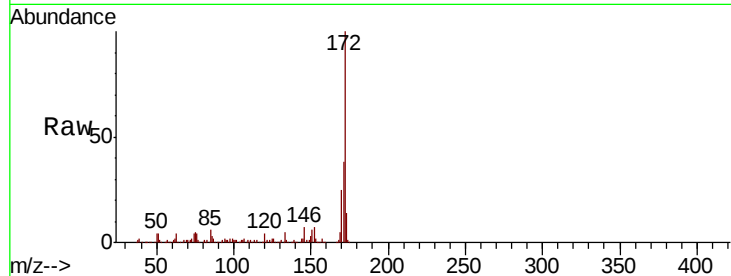




#45
 2-Fluorobiphenyl
 Concen: 84.982 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040828.D
 Acq: 9 May 2019 22:56

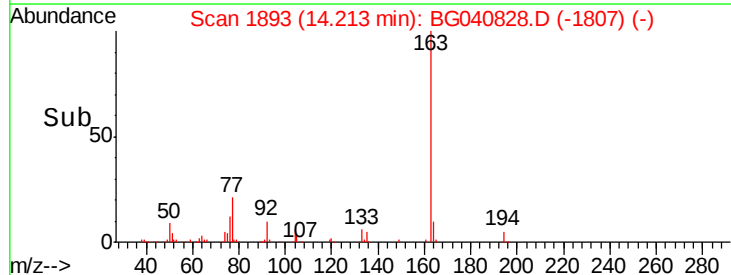
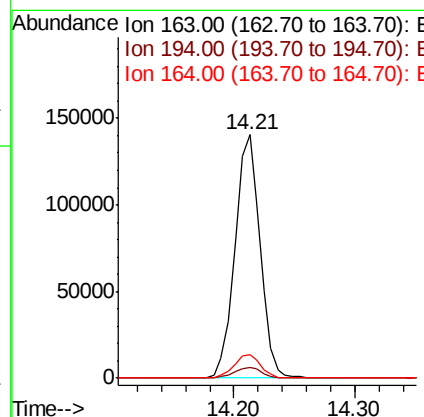
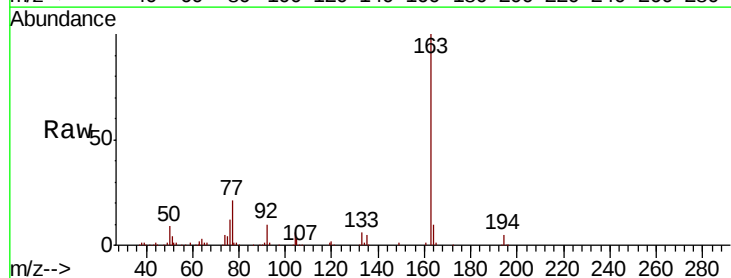
Instrument :
 BNA_G
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 P021-SS004-0612-01

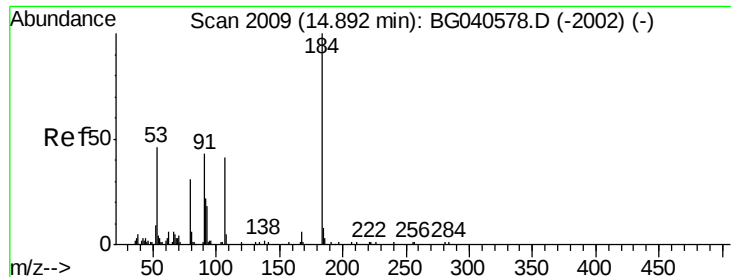
Tgt Ion:	172	Resp:	993207
Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	24.9	19.9	29.9



#50
 Dimethylphthalate
 Concen: 14.366 ng
 RT: 14.21 min Scan# 1893
 Delta R.T. -0.03 min
 Lab File: BG040828.D
 Acq: 9 May 2019 22:56

Tgt Ion:	163	Resp:	202874
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.8	5.8
164	9.9	8.8	13.2





#54

2,4-Dinitrophenol

Concen: 7.054 ng

RT: 15.18 min Scan# 2057

Delta R.T. 0.29 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

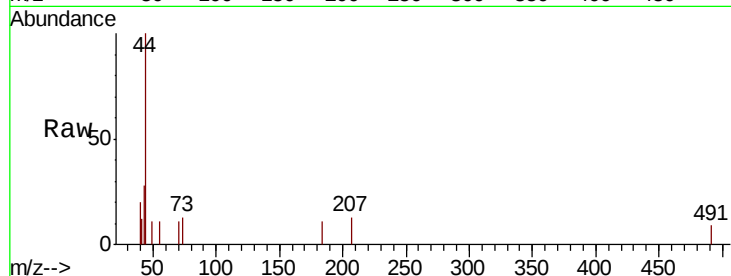
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

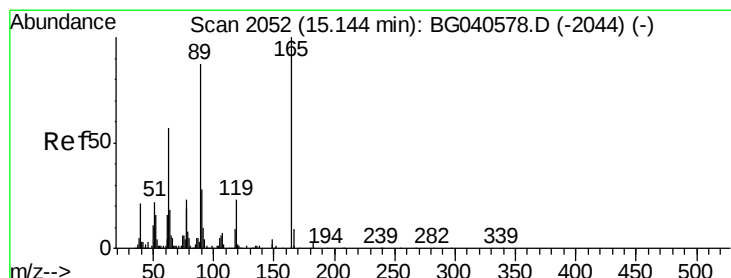
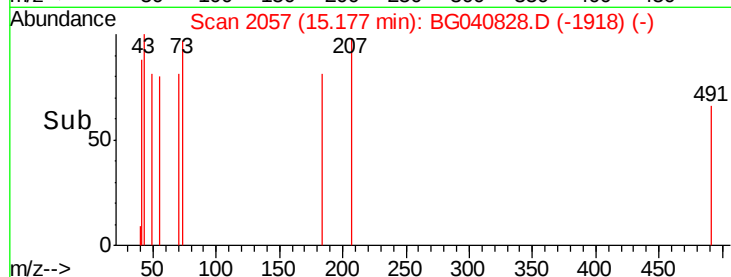
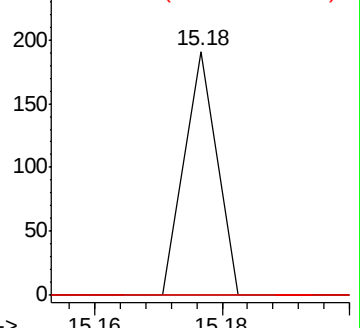
154 0.0 43.6 65.4#



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: 5.996 ng

RT: 14.77 min Scan# 1987

Delta R.T. -0.38 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Tgt Ion:165 Resp: 22457

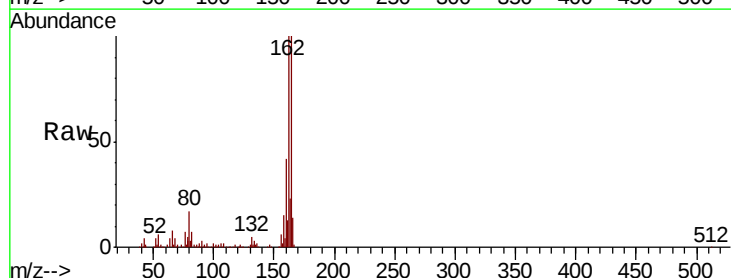
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 1.7 69.4 104.2#

182 0.0 2.2 3.4#

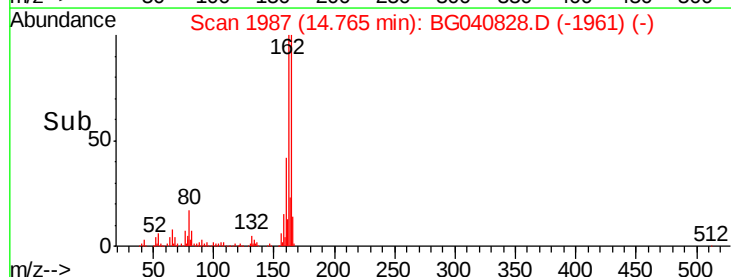
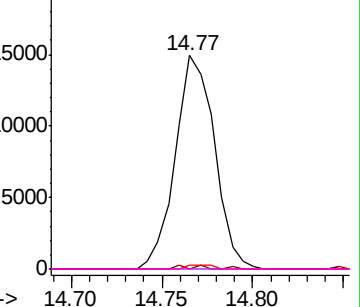


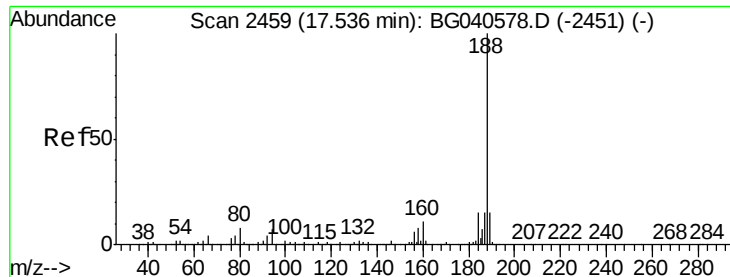
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: 17.52 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

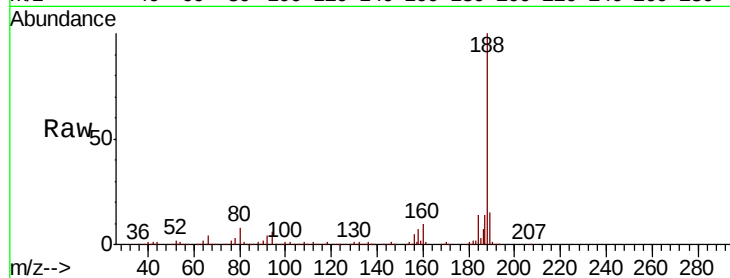
Tgt Ion:188 Resp: 445099

Ion Ratio Lower Upper

188 100

94 6.2 5.6 8.4

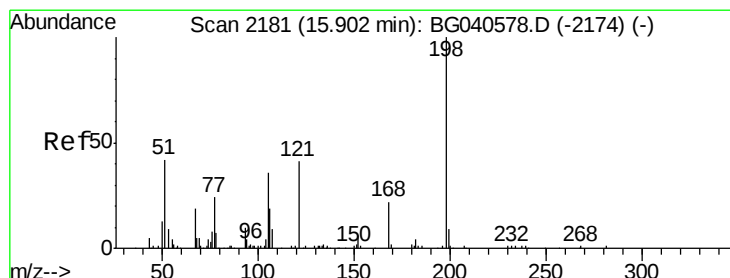
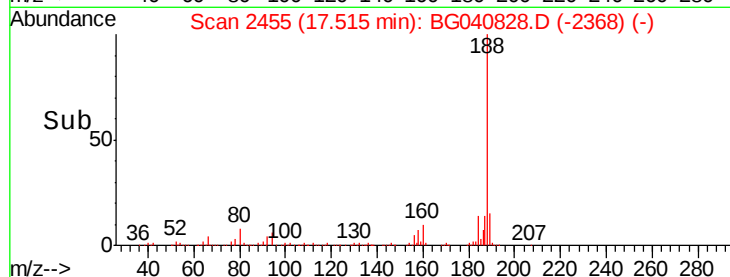
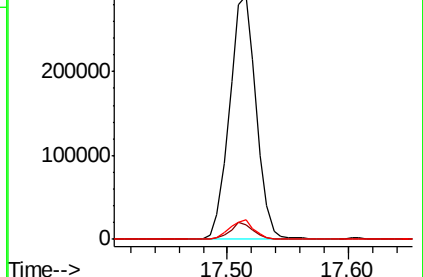
80 8.2 6.4 9.6



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: 7.600 ng

RT: 16.25 min Scan# 2239

Delta R.T. 0.34 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

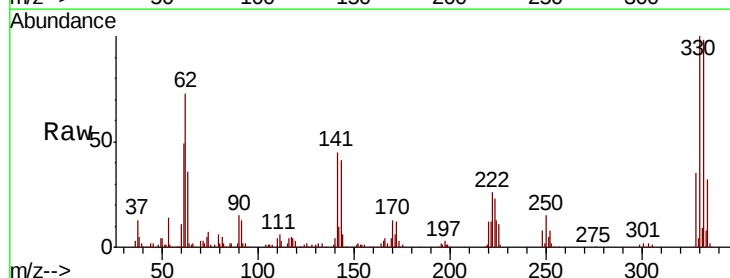
Tgt Ion:198 Resp: 1283

Ion Ratio Lower Upper

198 100

51 29.6 35.9 75.9#

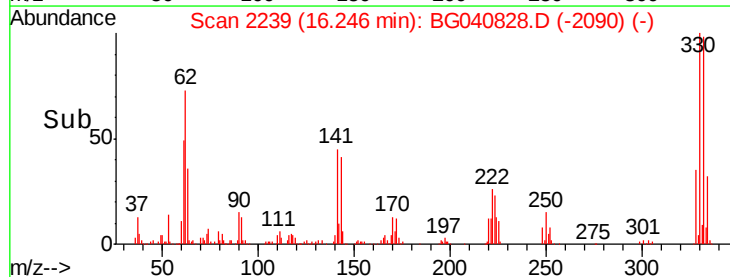
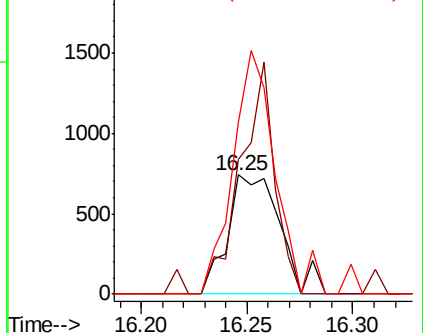
105 37.8 21.2 61.2

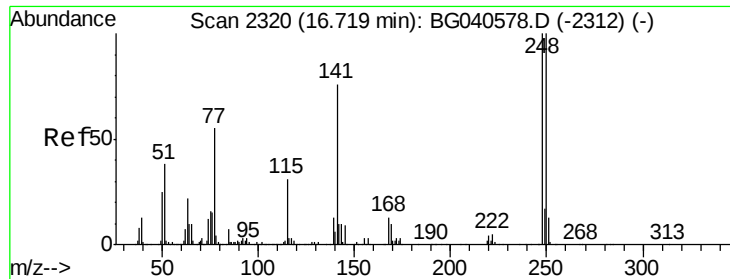


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

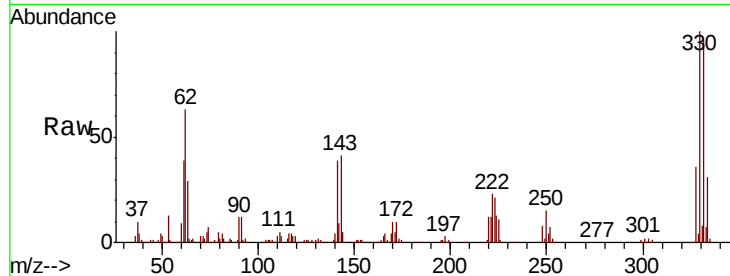




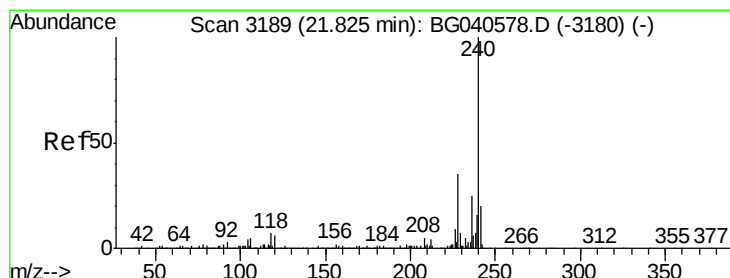
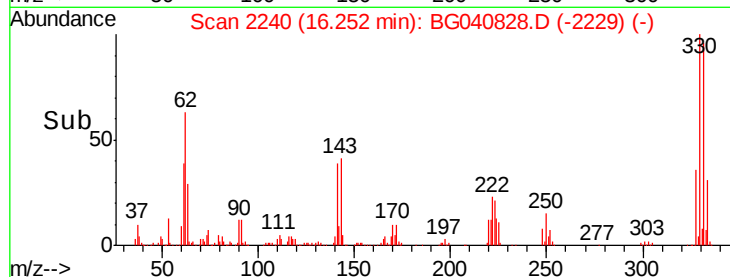
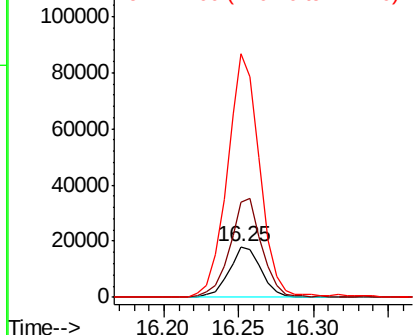
#67
 4-Bromophenyl-phenylether
 Concen: 4.889 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040828.D
 Acq: 9 May 2019 22:56

Instrument :
 BNA_G
 ClientSampleId :
 P021-SS004-0612-01

Tgt Ion:248 Resp: 27111
 Ion Ratio Lower Upper
 248 100
 250 187.8 79.8 119.6#
 141 482.4 60.8 91.2#

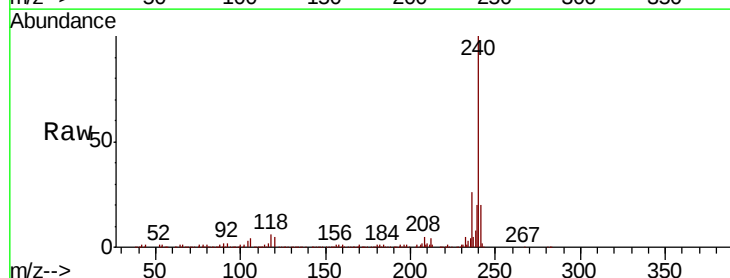


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

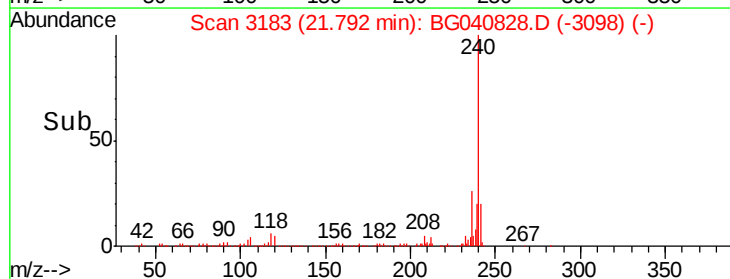
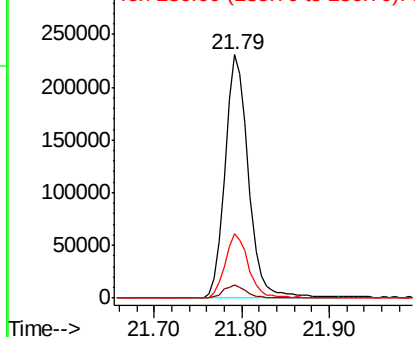


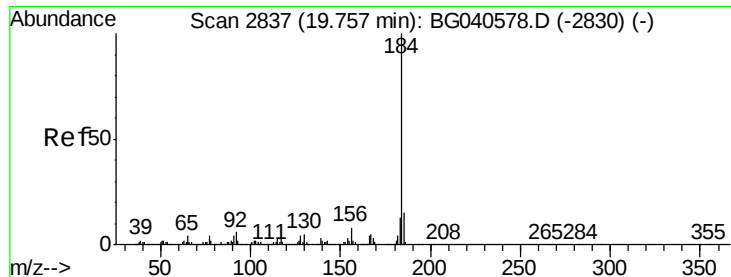
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3183
 Delta R.T. -0.03 min
 Lab File: BG040828.D
 Acq: 9 May 2019 22:56

Tgt Ion:240 Resp: 424951
 Ion Ratio Lower Upper
 240 100
 120 5.2 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: 2.579 ng

RT: 20.11 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

Instrument :

BNA_G

ClientSampleId :

P021-SS004-0612-01

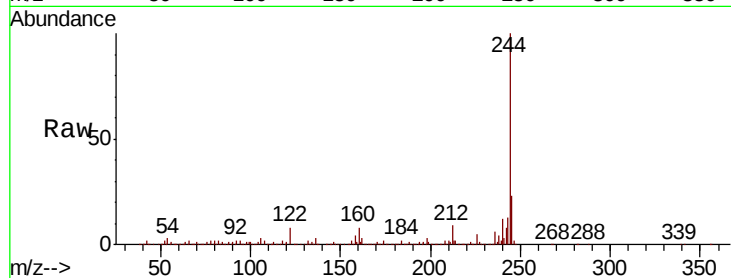
Tgt Ion:184 Resp: 30009

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

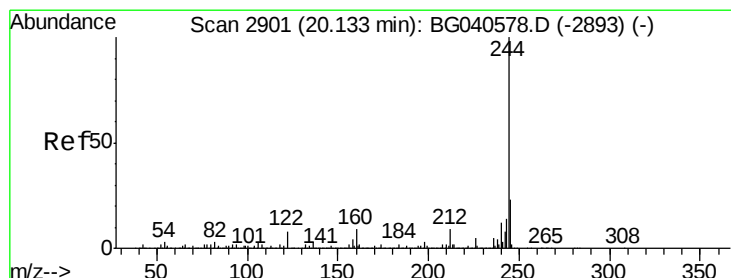
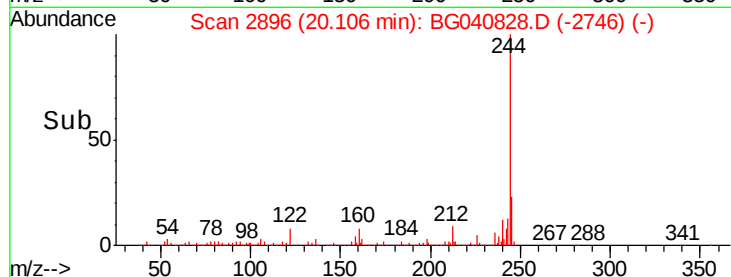
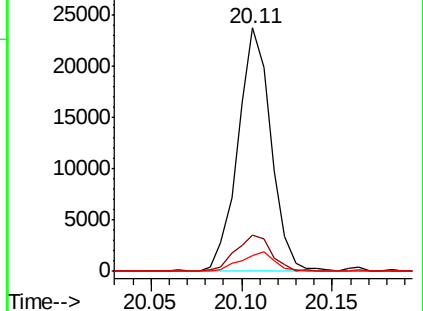
183 6.3 10.2 15.2#



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: 88.985 ng

RT: 20.11 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040828.D

Acq: 9 May 2019 22:56

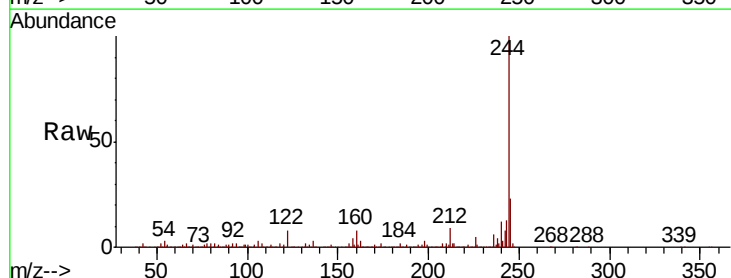
Tgt Ion:244 Resp: 1706859

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

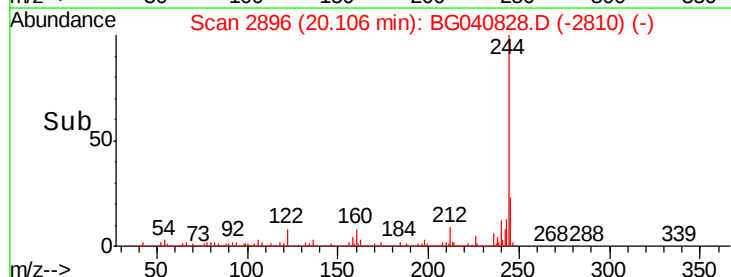
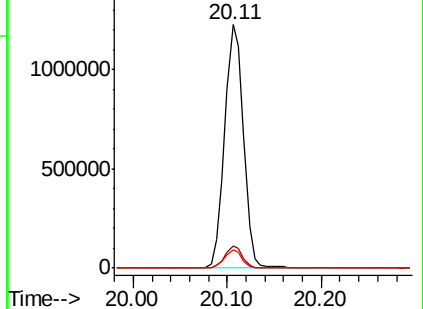
122 7.7 6.6 10.0



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

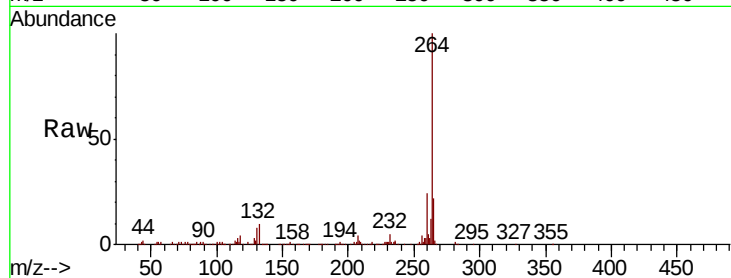




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3754
Delta R.T. -0.06 min
Lab File: BG040828.D
Acq: 9 May 2019 22:56

Instrument :
BNA_G
ClientSampleId :
P021-SS004-0612-01

Tgt Ion:	264	Resp:	392426
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	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

