

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040857.D
 Acq On : 10 May 2019 22:35
 Operator : HP/JU
 Sample : PB119611TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119611TB

Quant Time: May 11 05:44:46 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

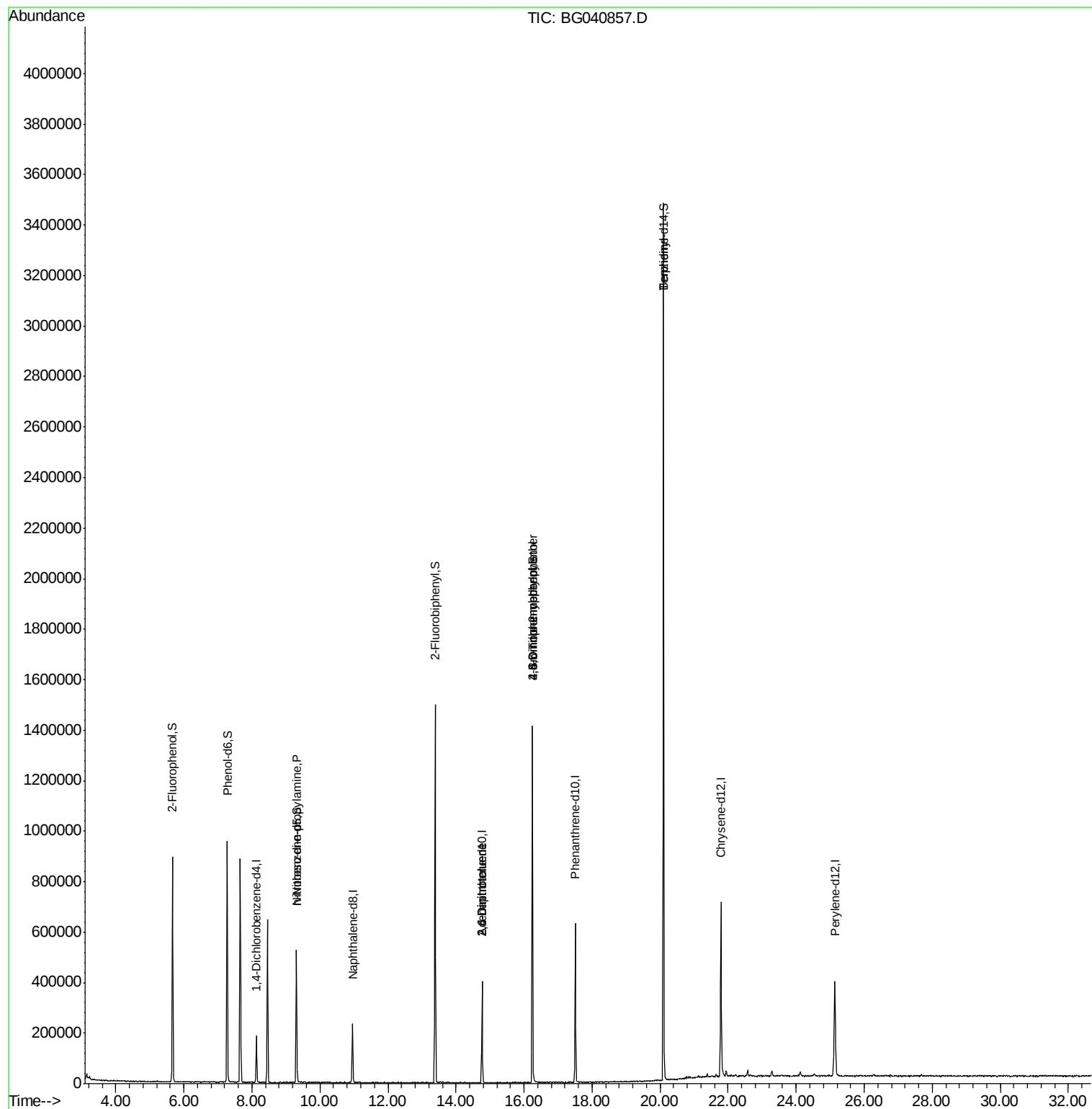
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	48460	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	183309	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	139374	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	384009	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	451270	20.00	ng	-0.04
87) Perylene-d12	25.14	264	442827	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	341853	124.35	ng	-0.02
7) Phenol-d6	7.27	99	491302	116.07	ng	-0.02
23) Nitrobenzene-d5	9.31	82	329165	82.97	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	266772	139.25	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	772691	80.07	ng	-0.03
79) Terphenyl-d14	20.10	244	1654409	81.22	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1029	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	48313	12.680 ng	#	68
51) 2,6-Dinitrotoluene	14.76	165	17555	7.713 ng	#	15
57) 2,4-Dinitrotoluene	14.76	165	17555	5.676 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.25	198	706	7.419 ng	#	5
67) 4-Bromophenyl-phenylether	16.25	248	19824	4.144 ng	#	1
77) Benzydine	20.10	184	28588	2.314 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: 8.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

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BNA_G

ClientSampleId :

PB119611TB

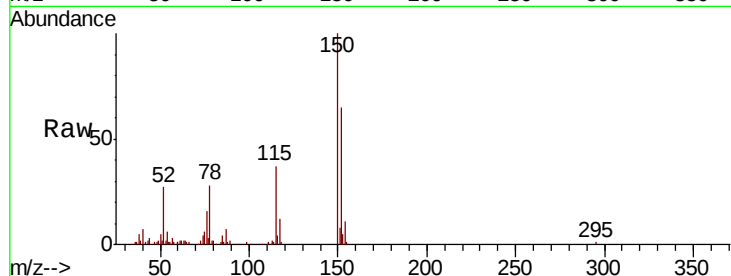
Tgt Ion:152 Resp: 48460

Ion Ratio Lower Upper

152 100

150 154.9 120.2 180.2

115 57.8 46.2 69.2

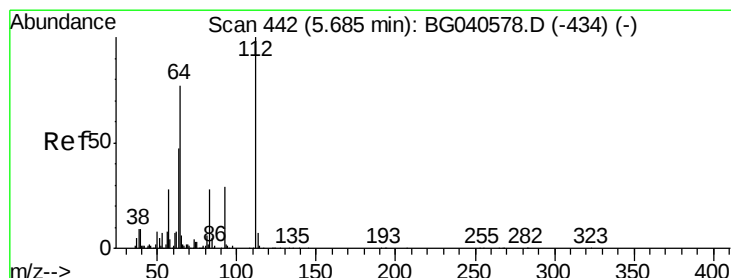
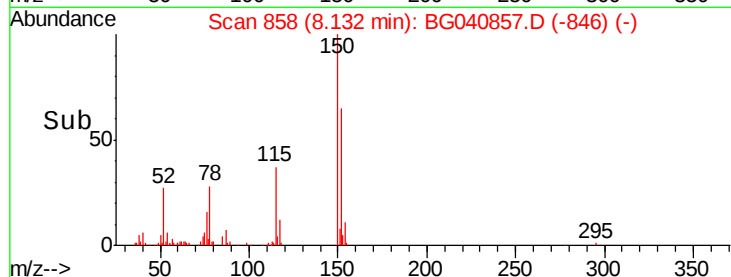
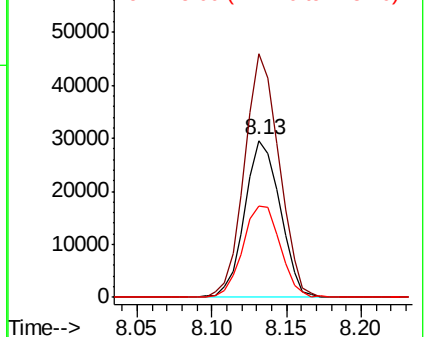


Abundance

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: 124.351 ng

RT: 5.66 min Scan# 438

Delta R.T. -0.02 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

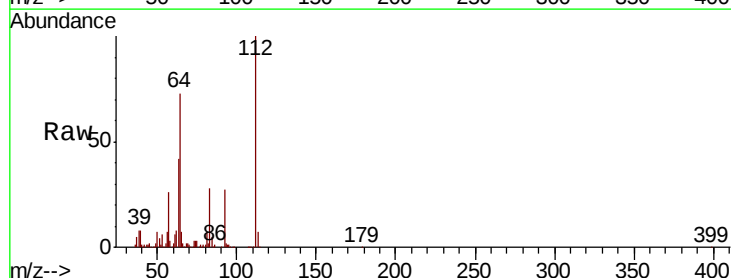
Tgt Ion:112 Resp: 341853

Ion Ratio Lower Upper

112 100

64 72.5 61.4 92.0

63 42.2 37.8 56.6

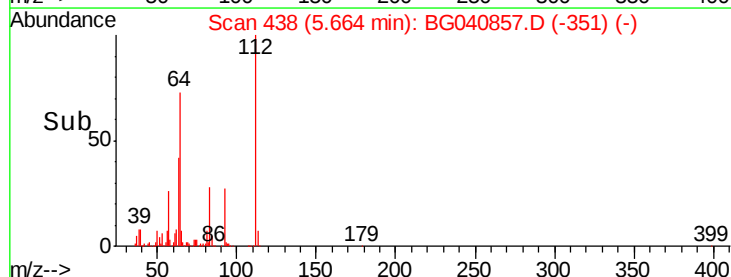
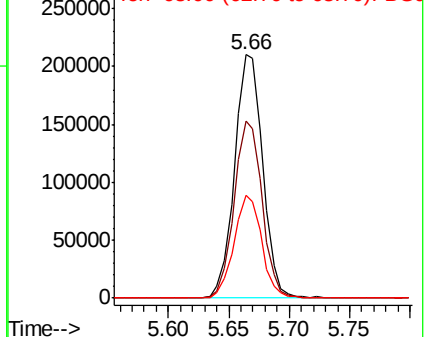


Abundance

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: 116.070 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB119611TB

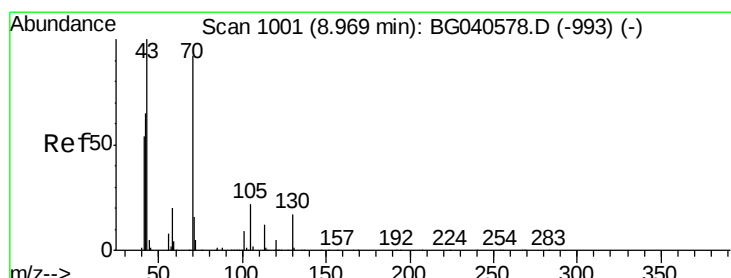
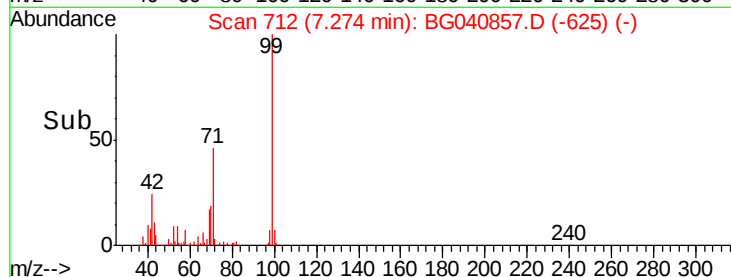
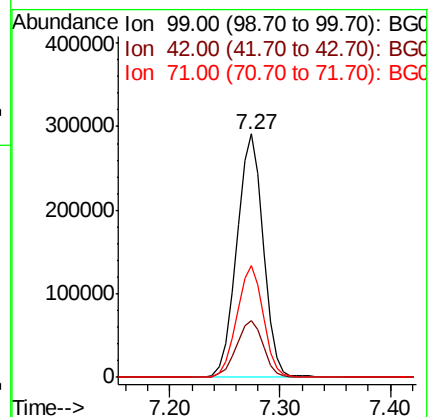
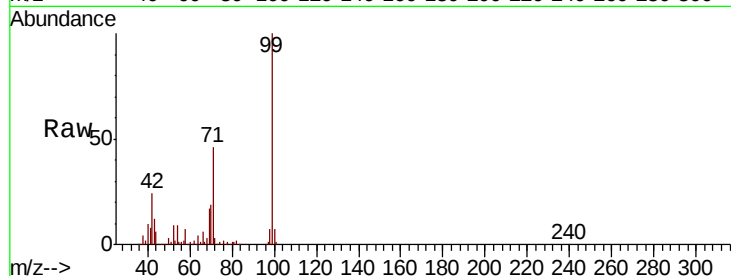
Tgt Ion: 99 Resp: 491302

Ion Ratio Lower Upper

99 100

42 23.5 21.8 32.8

71 46.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.680 ng

RT: 9.31 min Scan# 1058

Delta R.T. 0.34 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

Tgt Ion: 70 Resp: 48313

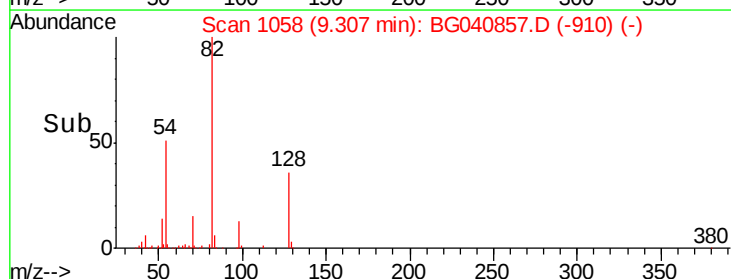
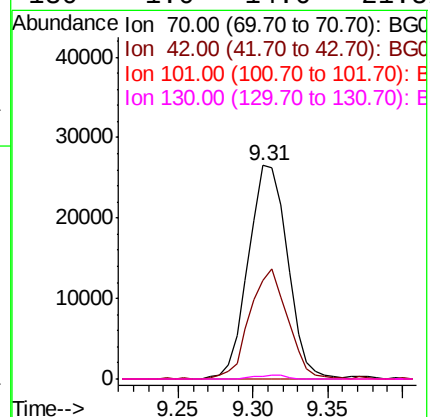
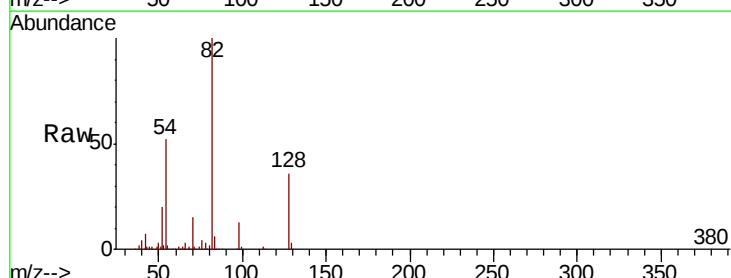
Ion Ratio Lower Upper

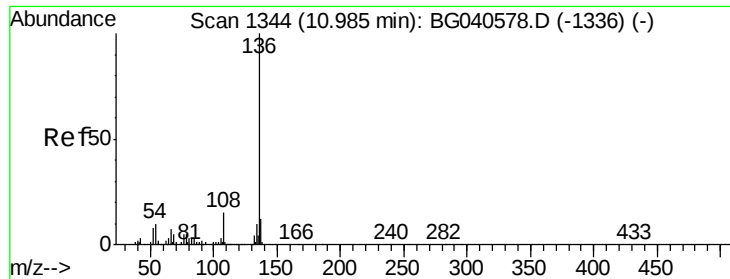
70 100

42 46.0 57.1 85.7#

101 0.0 7.8 11.8#

130 1.0 14.6 21.8#

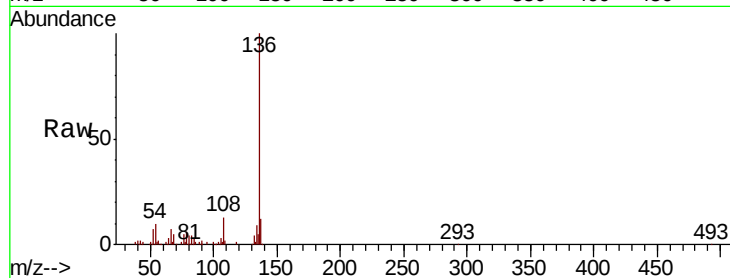




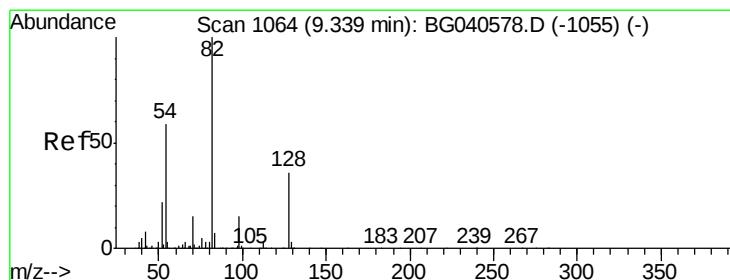
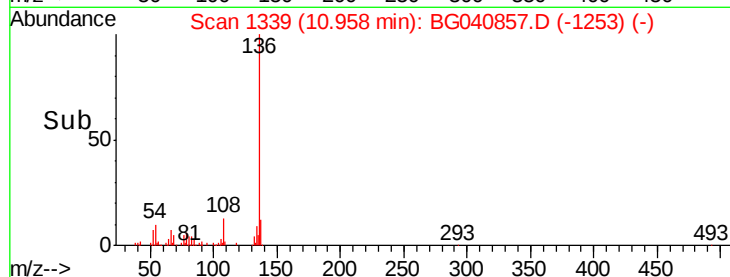
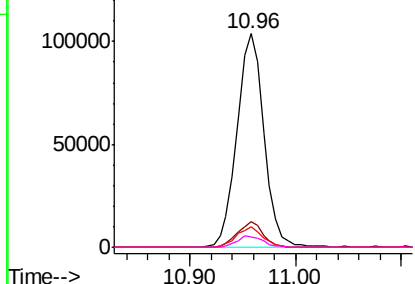
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040857.D
Acq: 10 May 2019 22:35

Instrument :
BNA_G
ClientSampleId :
PB119611TB

Tgt Ion:	136	Resp:	183309
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.7	14.5
54	9.5	8.6	12.8
68	4.9	4.8	7.2

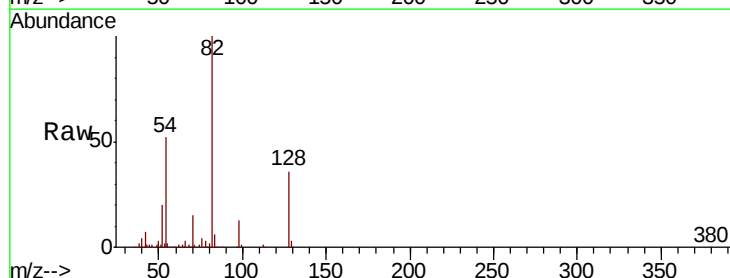


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

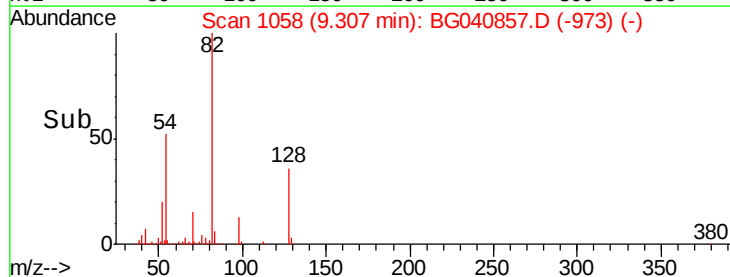
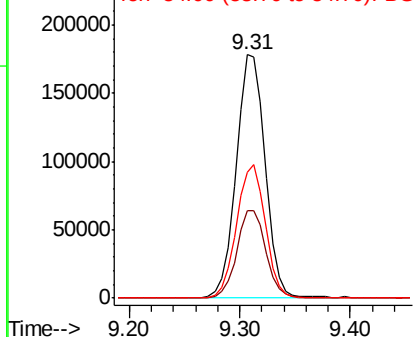


#23
Nitrobenzene-d5
Concen: 82.972 ng
RT: 9.31 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BG040857.D
Acq: 10 May 2019 22:35

Tgt Ion:	82	Resp:	329165
Ion	Ratio	Lower	Upper
82	100		
128	36.0	28.9	43.3
54	51.8	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: BG040857.D

Acq: 10 May 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB119611TB

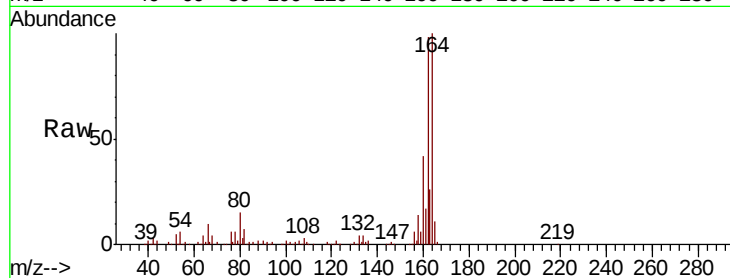
Tgt Ion:164 Resp: 139374

Ion Ratio Lower Upper

164 100

162 98.1 81.9 122.9

160 42.5 35.4 53.2

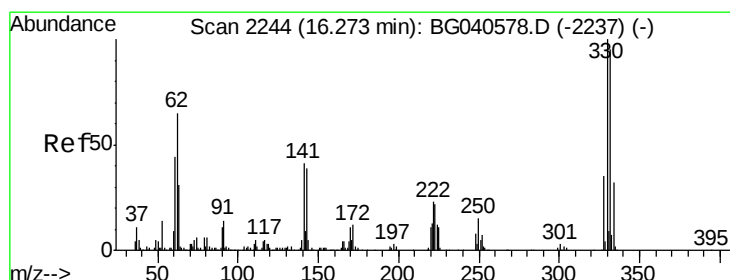
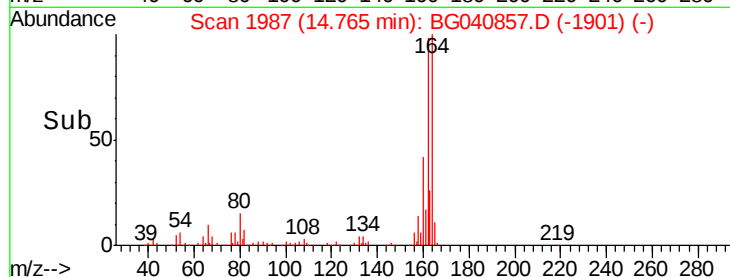
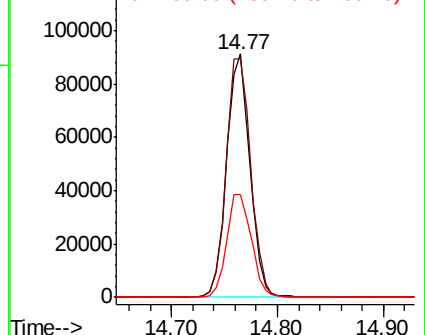


Abundance

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: 139.254 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

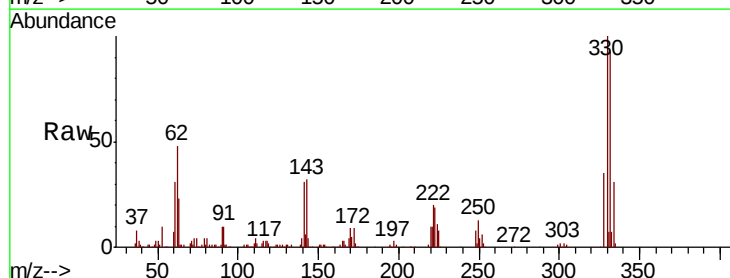
Tgt Ion:330 Resp: 266772

Ion Ratio Lower Upper

330 100

332 95.7 75.9 113.9

141 35.2 32.4 48.6

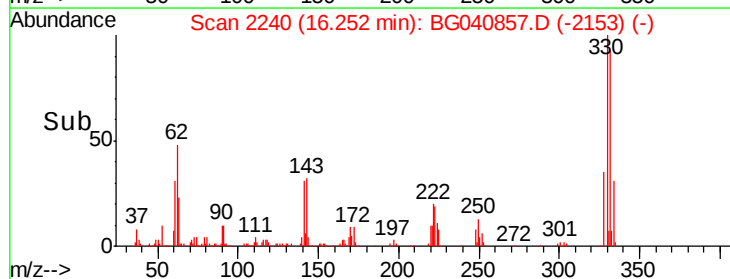
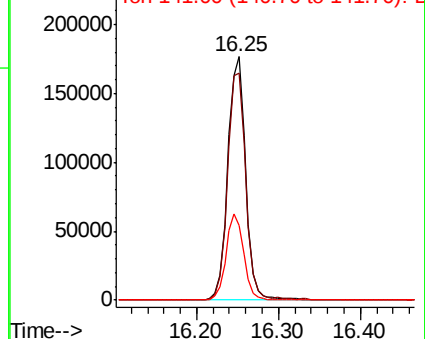


Abundance

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

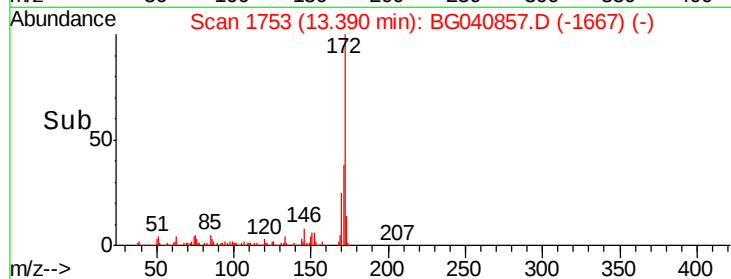
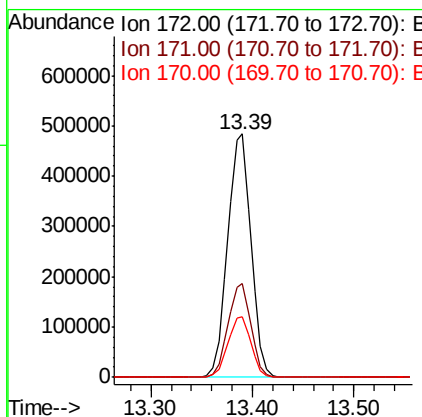
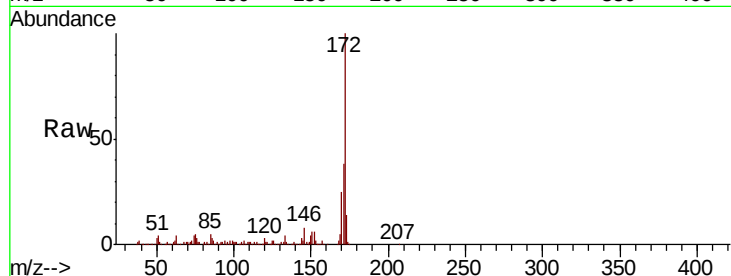




#45
 2-Fluorobiphenyl
 Concen: 80.067 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040857.D
 Acq: 10 May 2019 22:35

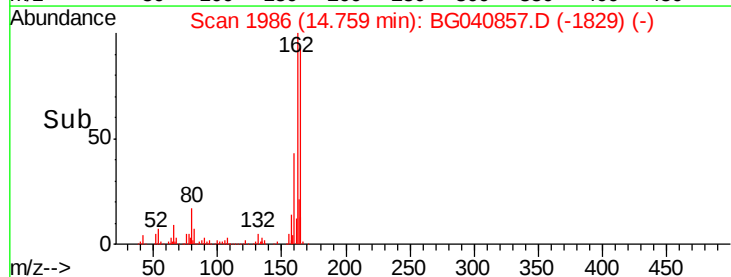
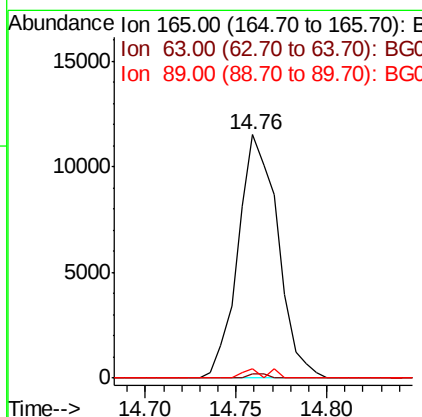
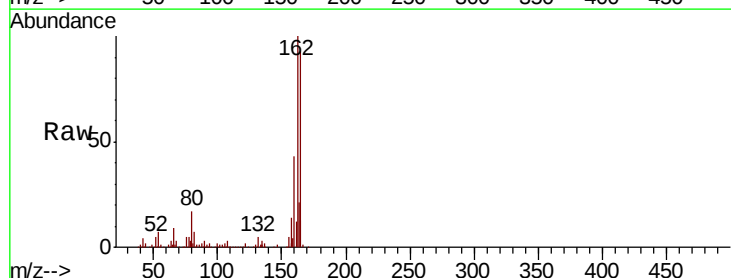
Instrument :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	24.7	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.713 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.39 min
 Lab File: BG040857.D
 Acq: 10 May 2019 22:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	61.0	91.4#
89	3.7	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.676 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.39 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB119611TB

Tgt Ion:165 Resp: 17555

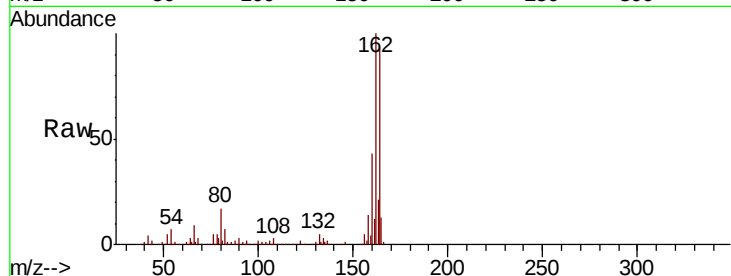
Ion Ratio Lower Upper

165 100

63 1.5 45.8 68.8#

89 3.7 69.4 104.2#

182 0.0 2.2 3.4#

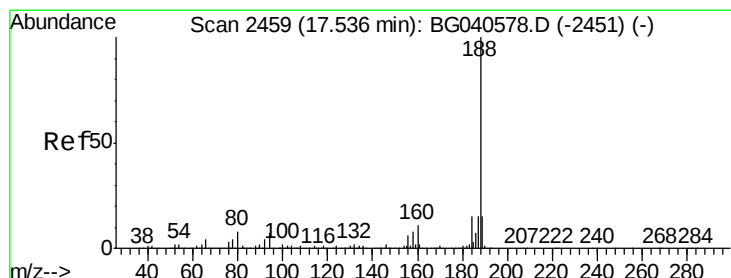
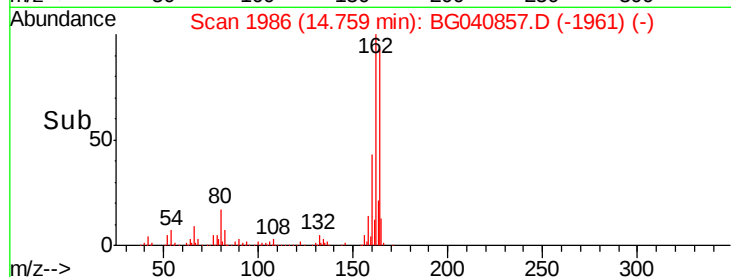
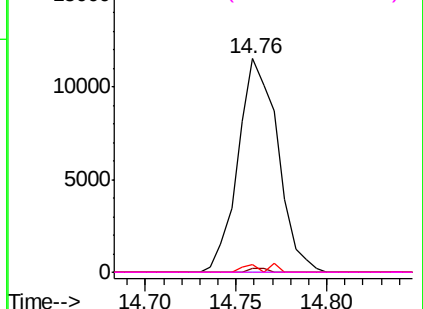


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

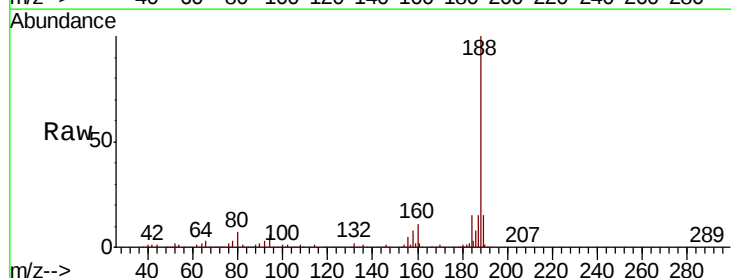
Tgt Ion:188 Resp: 384009

Ion Ratio Lower Upper

188 100

94 5.7 5.6 8.4

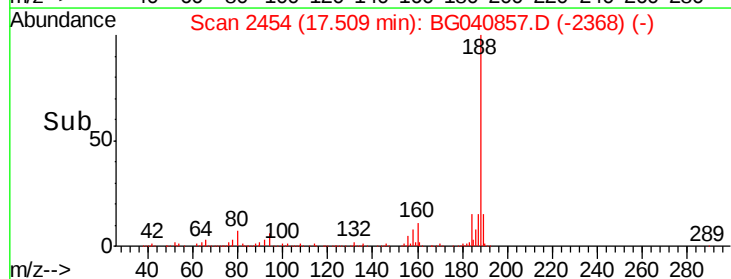
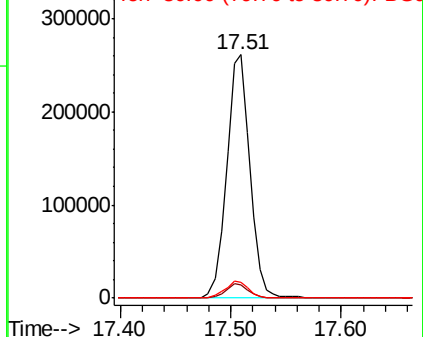
80 6.6 6.4 9.6

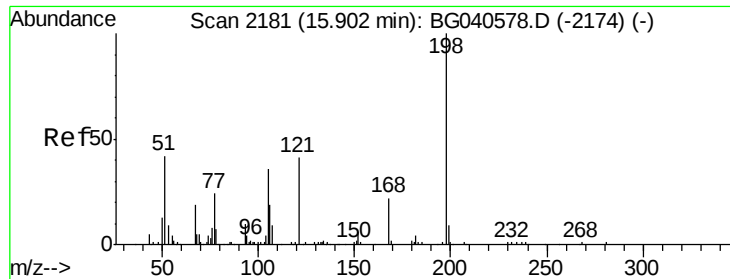


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

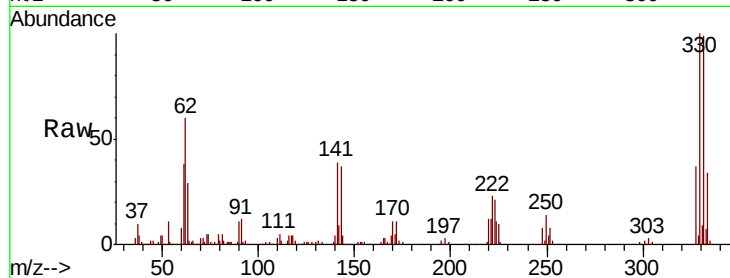




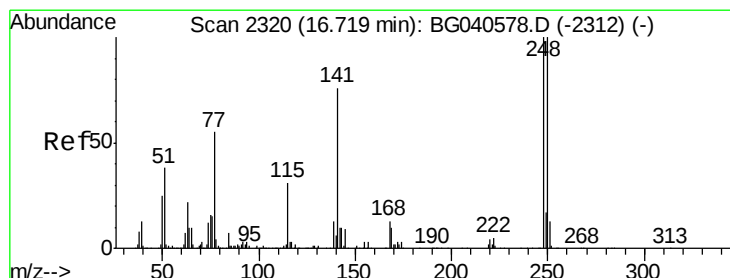
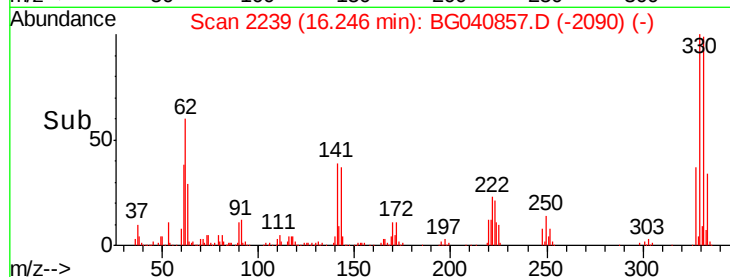
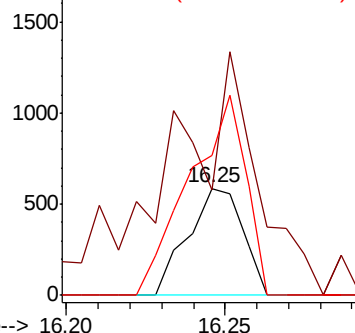
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.419 ng
 RT: 16.25 min Scan# 2239
 Delta R.T. 0.34 min
 Lab File: BG040857.D
 Acq: 10 May 2019 22:35

Instrument :
 BNA_G
 ClientSampleId :
 PB119611TB

Tgt Ion:198 Resp: 706
 Ion Ratio Lower Upper
 198 100
 51 99.1 35.9 75.9#
 105 130.5 21.2 61.2#

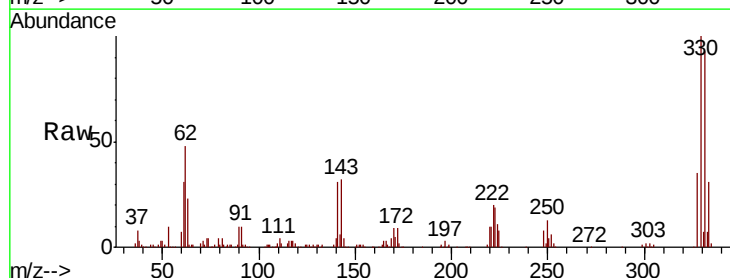


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

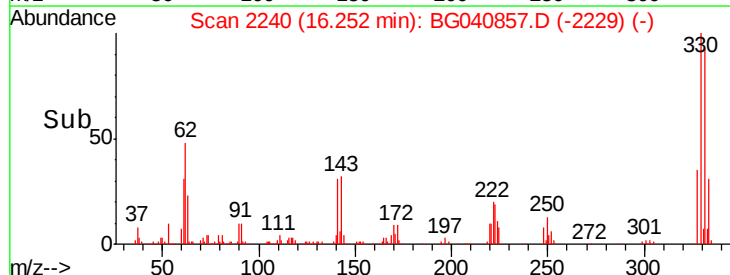
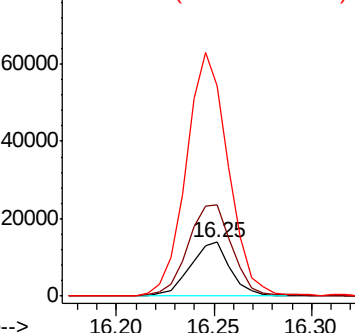


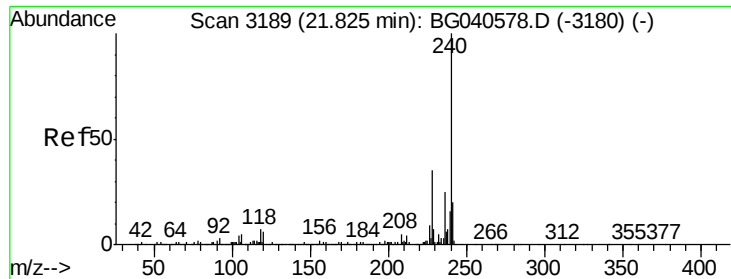
#67
 4-Bromophenyl-phenylether
 Concen: 4.144 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040857.D
 Acq: 10 May 2019 22:35

Tgt Ion:248 Resp: 19824
 Ion Ratio Lower Upper
 248 100
 250 222.2 79.8 119.6#
 141 390.3 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

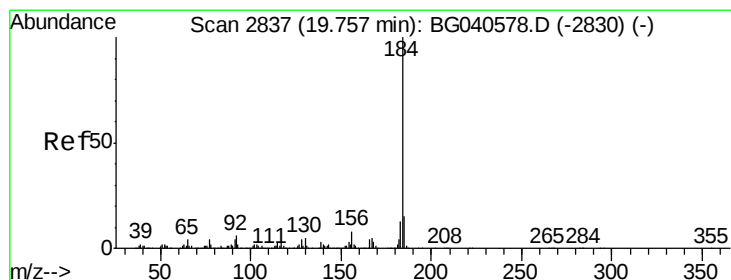
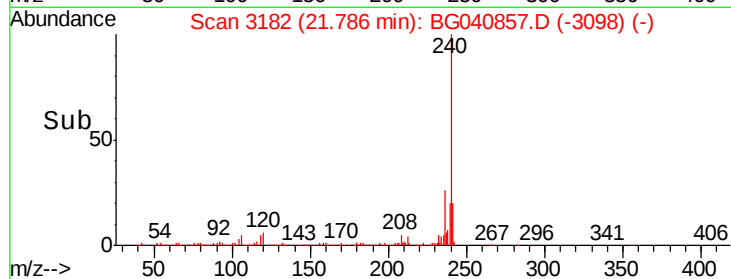
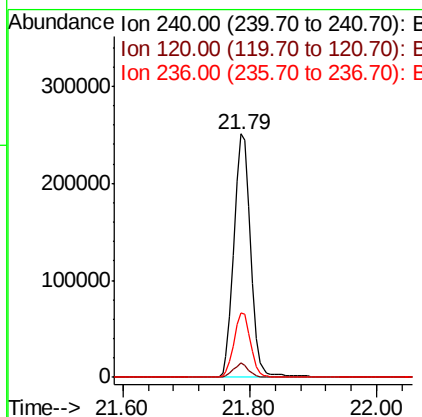
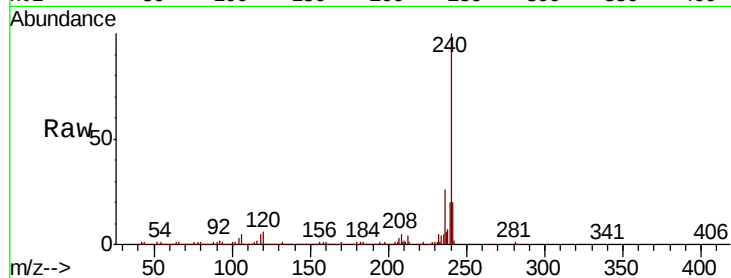




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3182
Delta R.T. -0.04 min
Lab File: BG040857.D
Acq: 10 May 2019 22:35

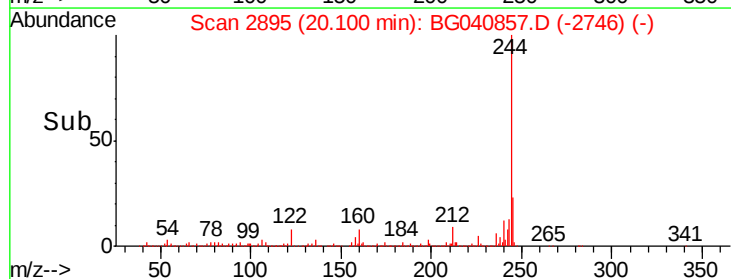
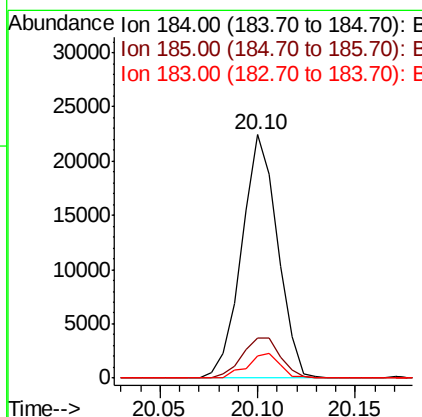
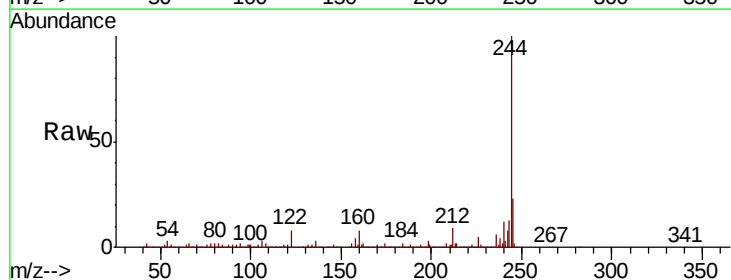
Instrument :
BNA_G
ClientSampleId :
PB119611TB

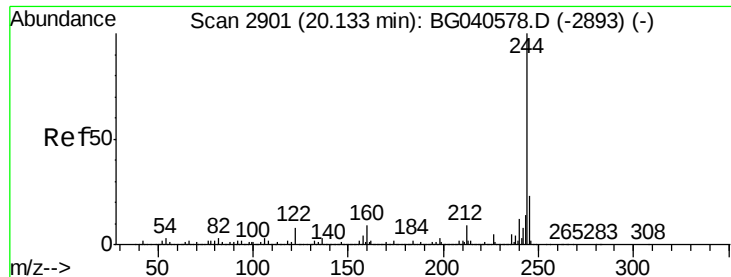
Tgt Ion:240 Resp: 451270
Ion Ratio Lower Upper
240 100
120 5.7 5.0 7.6
236 26.5 20.3 30.5



#77
Benzidine
Concen: 2.314 ng
RT: 20.10 min Scan# 2895
Delta R.T. 0.34 min
Lab File: BG040857.D
Acq: 10 May 2019 22:35

Tgt Ion:184 Resp: 28588
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.8
183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 81.220 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

Instrument :

BNA_G

ClientSampleId :

PB119611TB

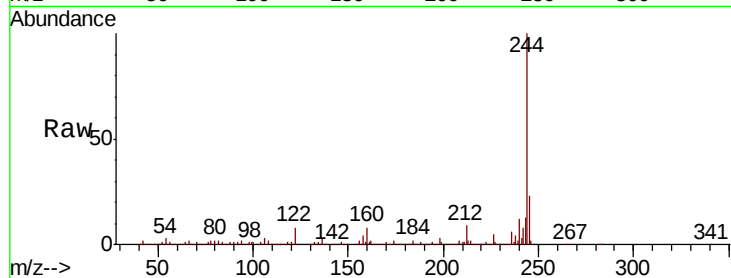
Tgt Ion:244 Resp: 1654409

Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

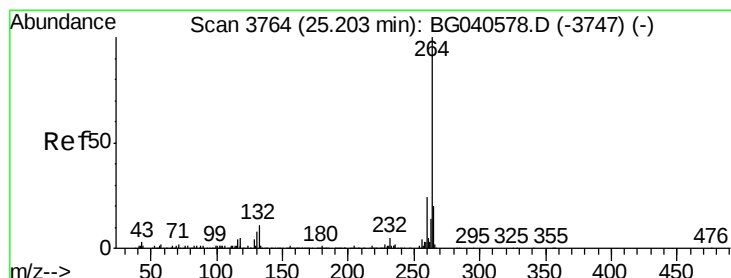
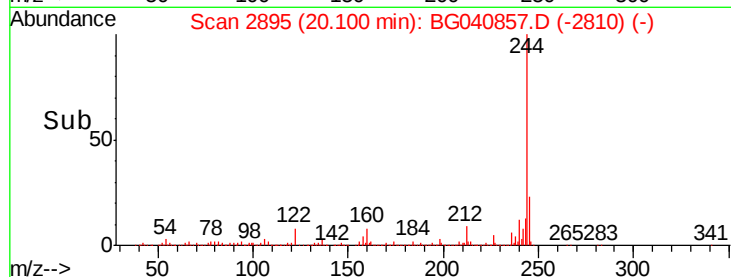
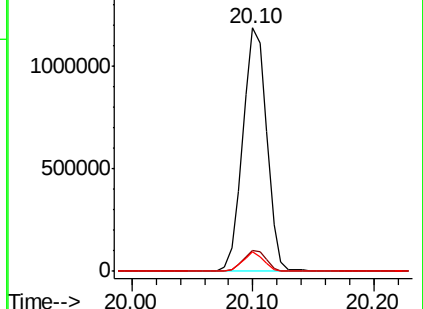
122 8.3 6.6 10.0



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# 3752

Delta R.T. -0.07 min

Lab File: BG040857.D

Acq: 10 May 2019 22:35

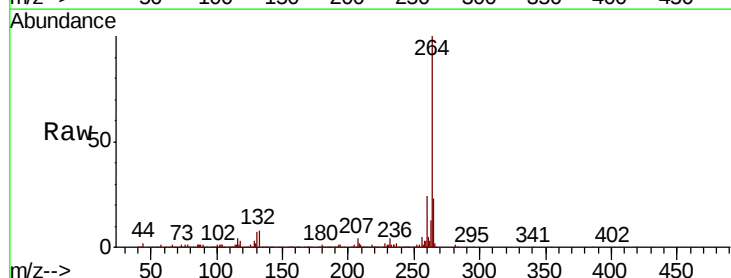
Tgt Ion:264 Resp: 442827

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.9 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

