

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051019\
 Data File : BG040856.D
 Acq On : 10 May 2019 21:57
 Operator : HP/JU
 Sample : PB119611BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119611BL

Quant Time: May 11 05:44:35 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

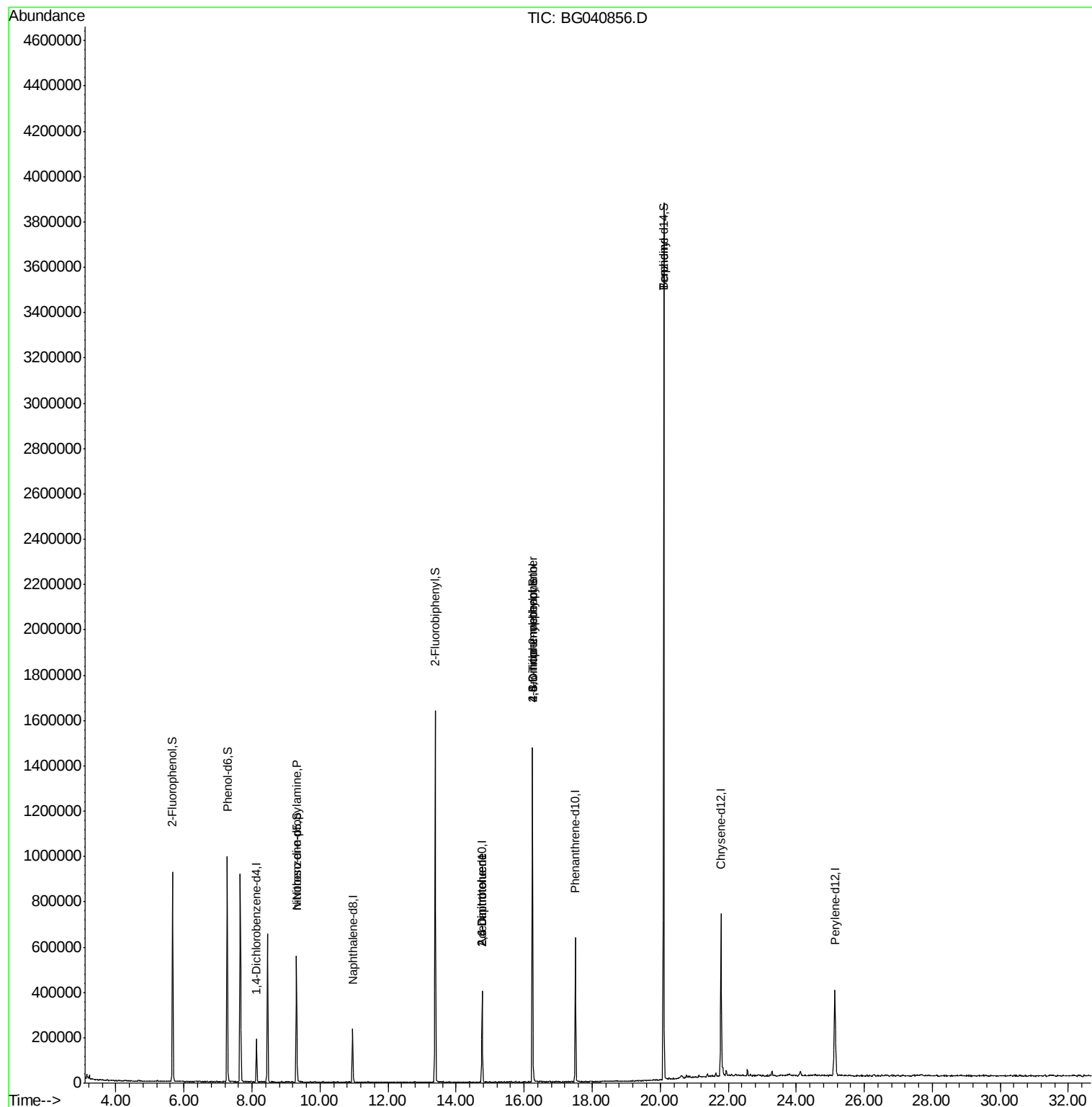
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	46447	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	191827	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	140246	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	391247	20.00	ng	-0.03
76) Chrysene-d12	21.78	240	456768	20.00	ng	-0.04
87) Perylene-d12	25.14	264	454350	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	346846	131.64	ng	-0.02
7) Phenol-d6	7.27	99	509045	125.47	ng	-0.02
23) Nitrobenzene-d5	9.31	82	342899	82.60	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	285593	148.15	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	820051	84.45	ng	-0.03
79) Terphenyl-d14	20.10	244	1714150	83.14	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.27	77	1005	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.31	70	49409	13.529 ng	#	69
51) 2,6-Dinitrotoluene	14.76	165	18410	8.039 ng	#	15
57) 2,4-Dinitrotoluene	14.76	165	18410	5.916 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.26	198	872	7.487 ng	#	60
67) 4-Bromophenyl-phenylether	16.25	248	20560	4.218 ng	#	1
77) Benzydine	20.10	184	28647	2.291 ng	#	93

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

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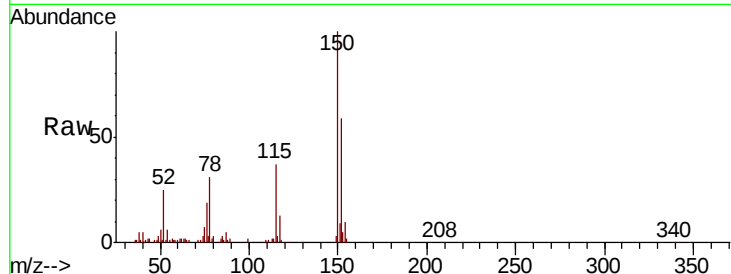


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

Instrument :
 BNA_G
 ClientSampleId :
 PB119611BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	168.8	120.2	180.2
115	61.8	46.2	69.2

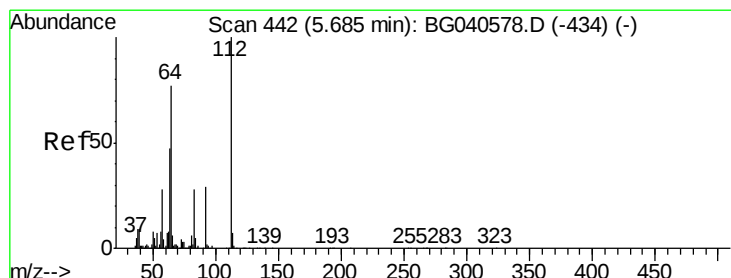
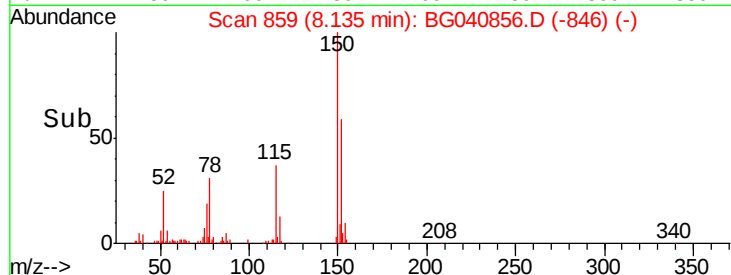
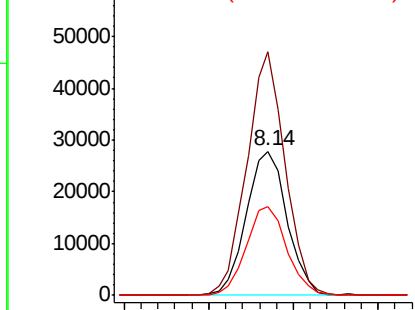


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

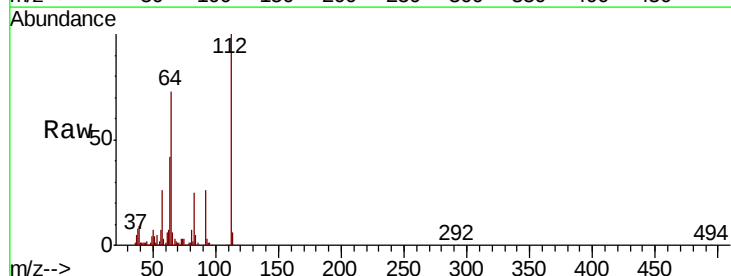
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 131.636 ng
 RT: 5.67 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.4	61.4	92.0
63	42.4	37.8	56.6

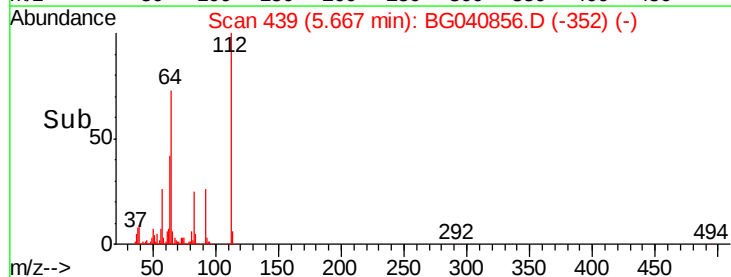
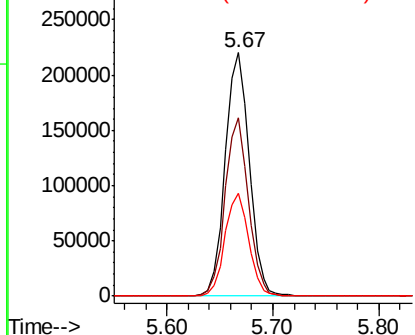


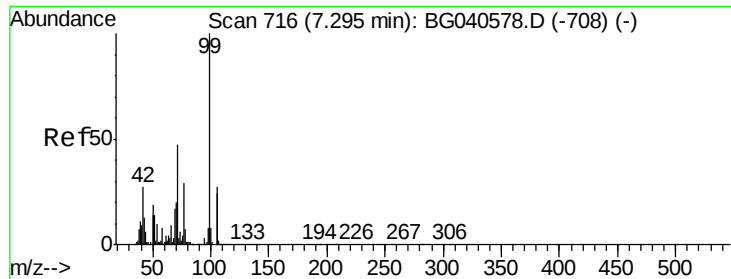
Abundance

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: 125.473 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Instrument :

BNA_G

ClientSampleId :

PB119611BL

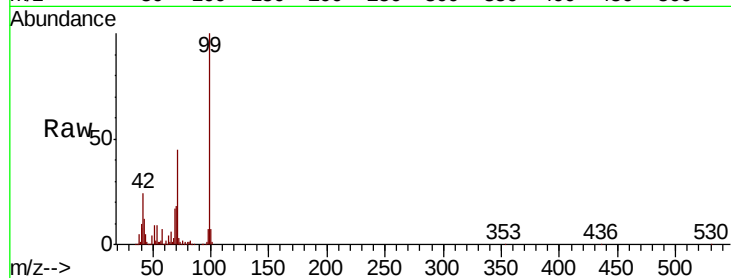
Tgt Ion: 99 Resp: 509045

Ion Ratio Lower Upper

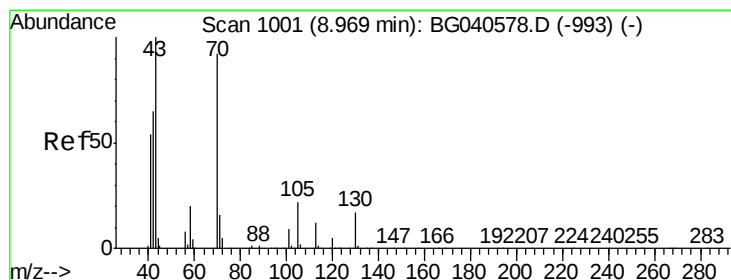
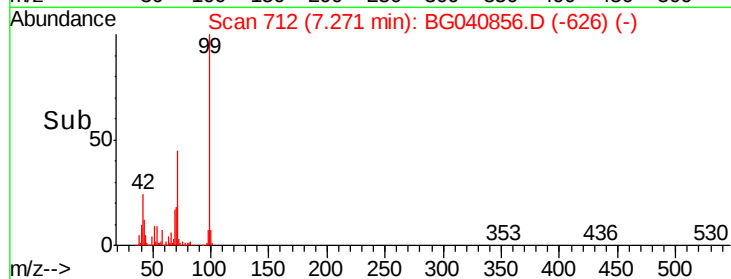
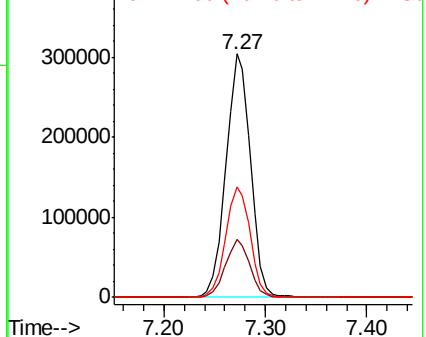
99 100

42 23.6 21.8 32.8

71 45.2 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: 13.529 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Tgt Ion: 70 Resp: 49409

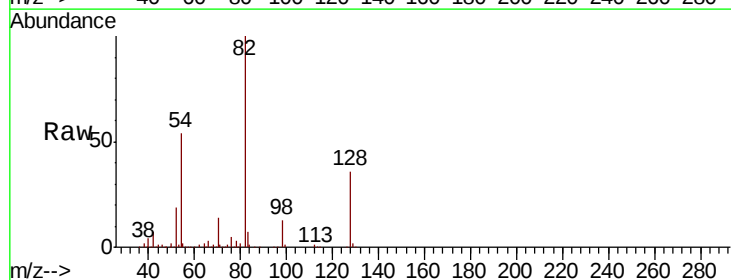
Ion Ratio Lower Upper

70 100

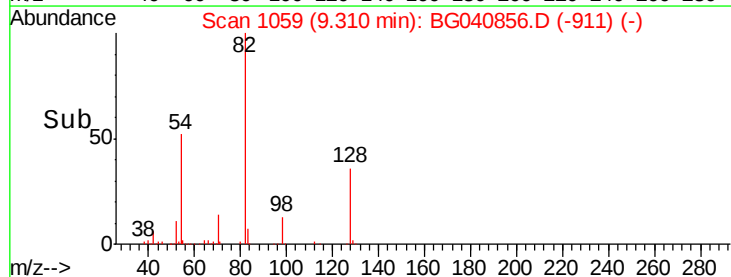
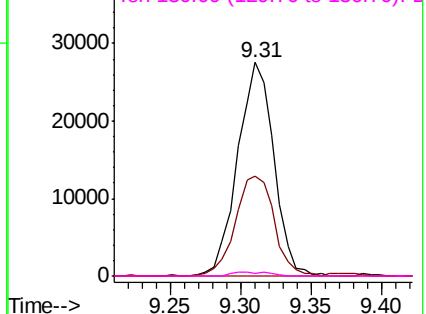
42 46.7 57.1 85.7#

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: 10.96 min Scan# 1339

Delta R.T. -0.03 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

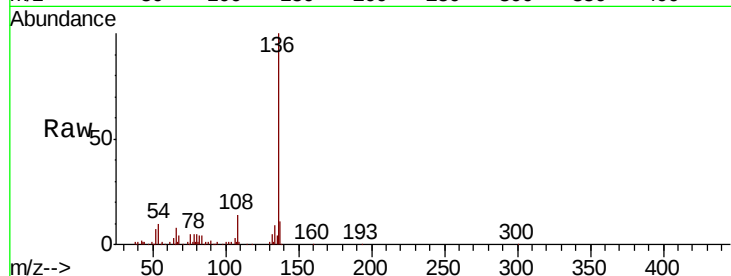
Instrument :

BNA_G

ClientSampleId :

PB119611BL

Tgt Ion:	136	Resp:	191827
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.7	14.5
54	9.8	8.6	12.8
68	4.1	4.8	7.2#



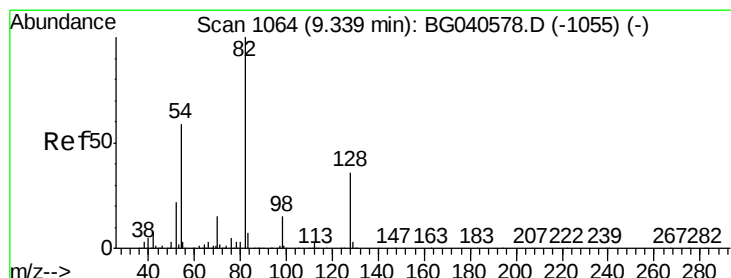
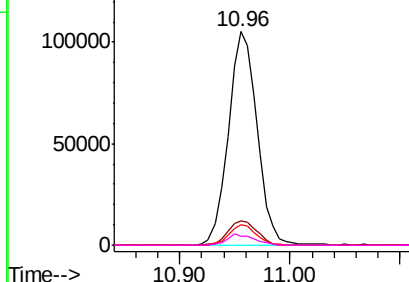
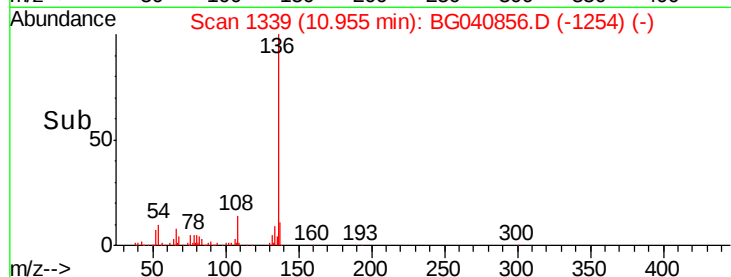
Abundance

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: 82.596 ng

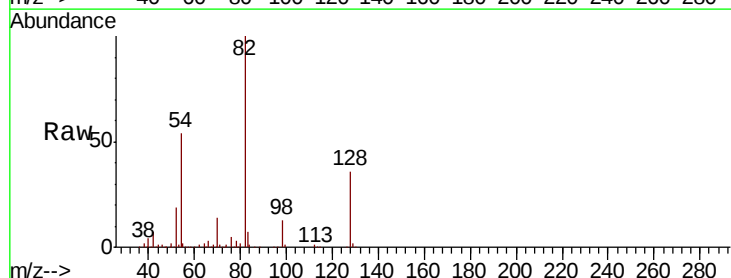
RT: 9.31 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Tgt Ion:	82	Resp:	342899
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	54.1	47.2	70.8

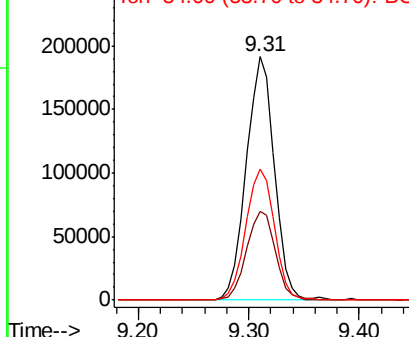
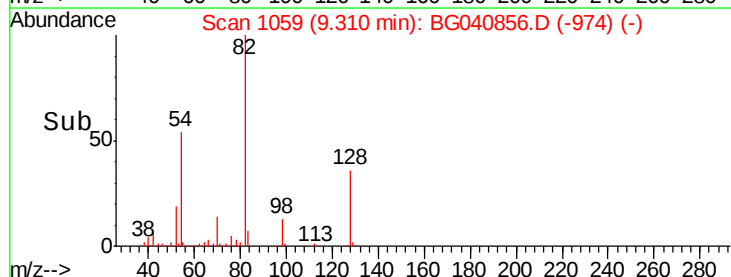


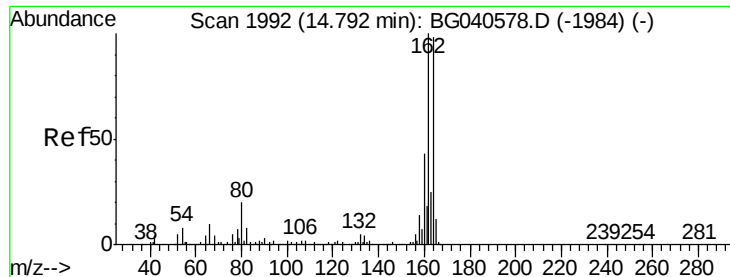
Abundance

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: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Instrument :

BNA_G

ClientSampleId :

PB119611BL

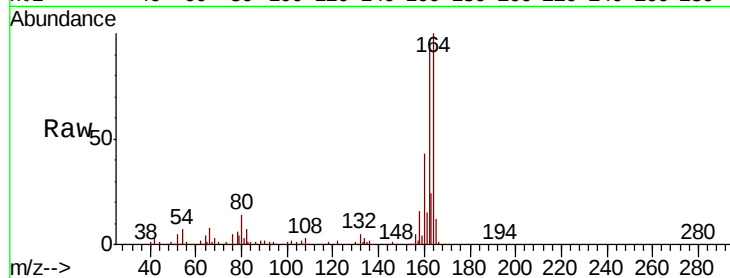
Tgt Ion:164 Resp: 140246

Ion Ratio Lower Upper

164 100

162 97.1 81.9 122.9

160 42.6 35.4 53.2

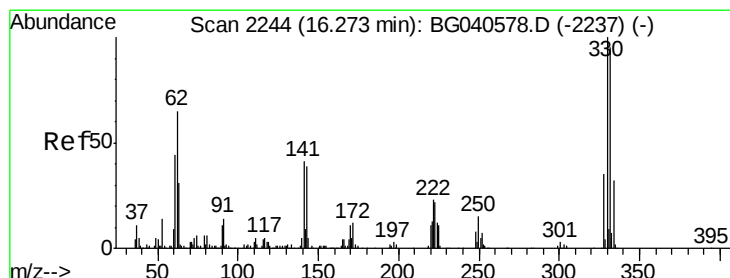
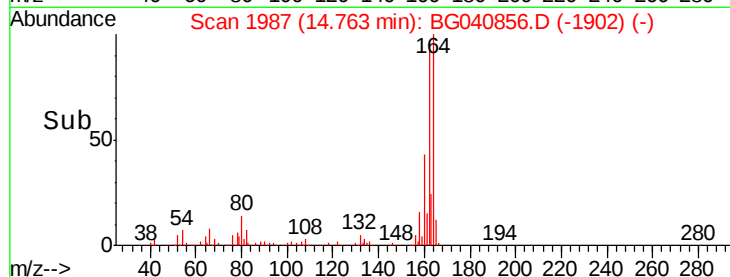
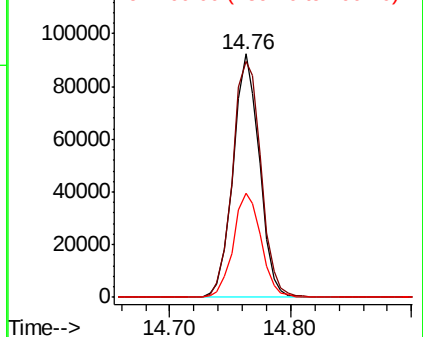


Abundance

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: 148.151 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

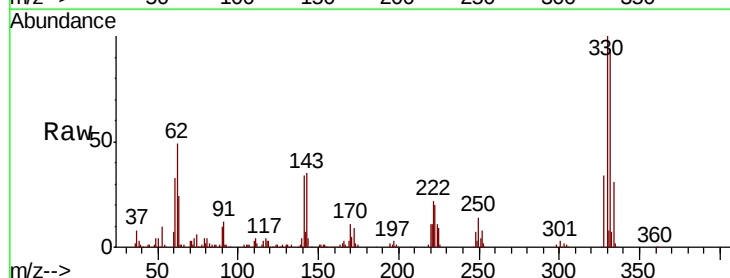
Tgt Ion:330 Resp: 285593

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

141 35.9 32.4 48.6

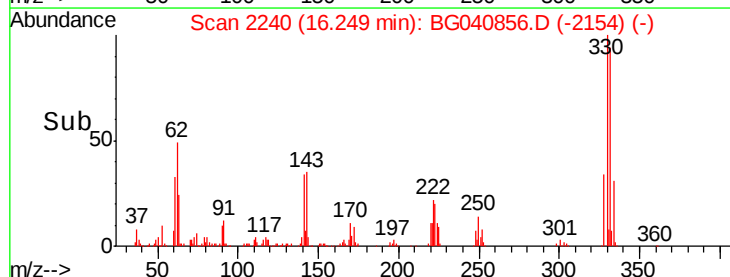
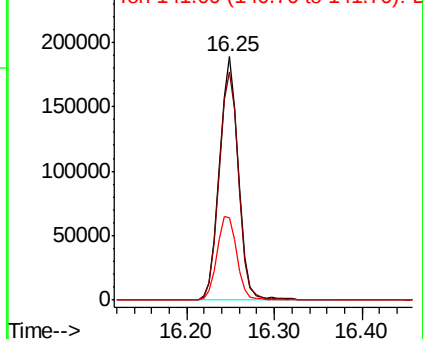


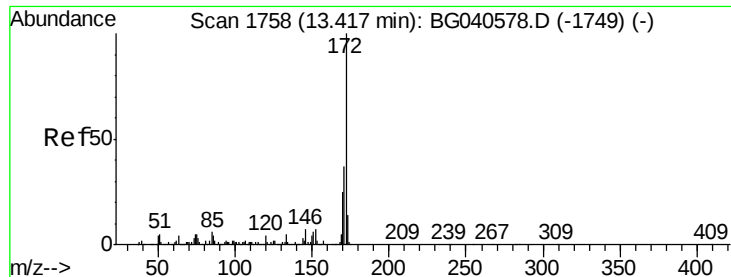
Abundance

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

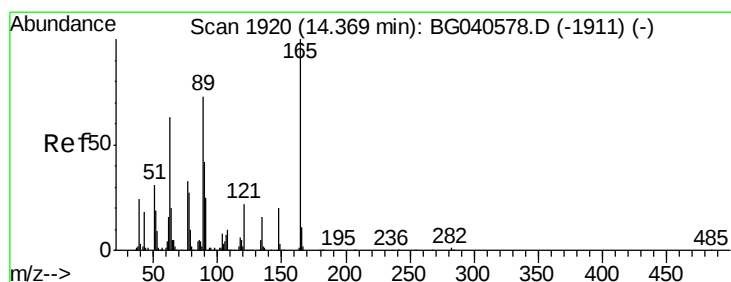
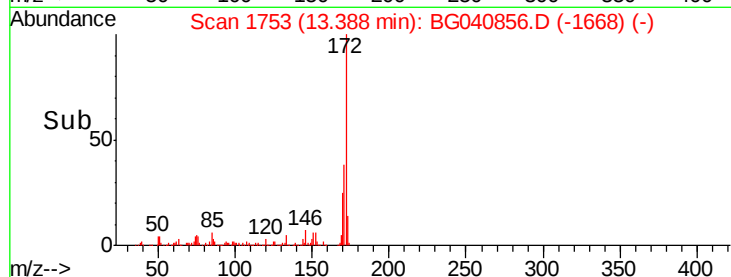
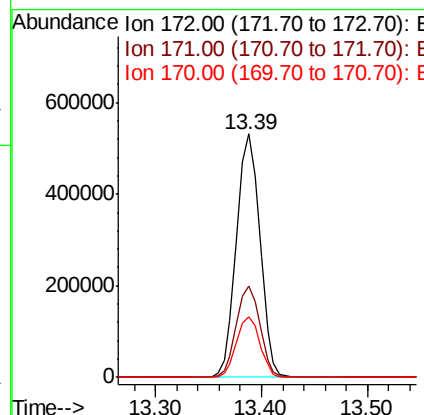
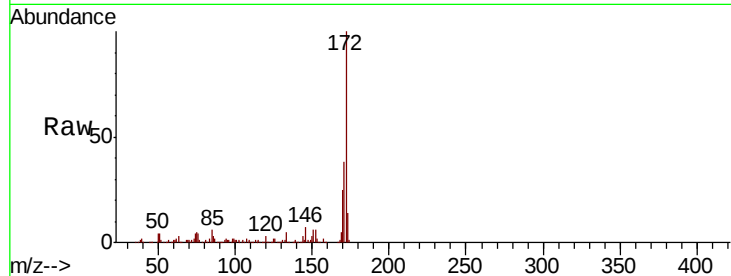




#45
 2-Fluorobiphenyl
 Concen: 84.446 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

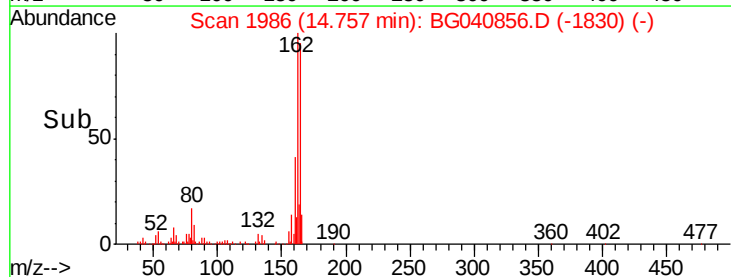
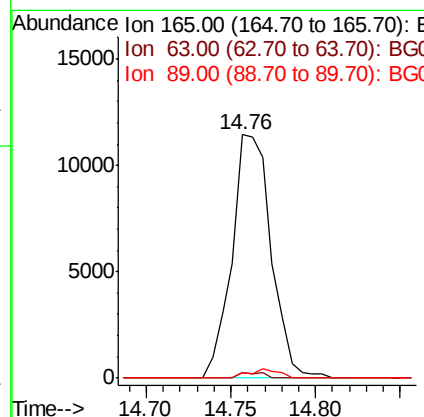
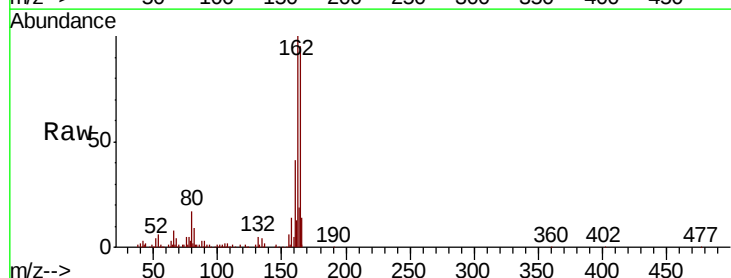
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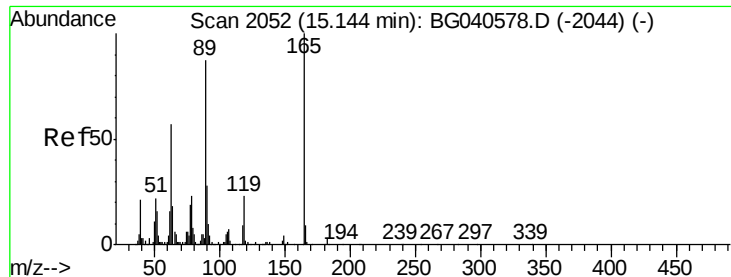
Tgt Ion:	172	Resp:	820051
Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	25.0	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.039 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.39 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

Tgt Ion:	165	Resp:	18410
Ion	Ratio	Lower	Upper
165	100		
63	2.5	61.0	91.4#
89	2.4	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.916 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.39 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Instrument :

BNA_G

ClientSampleId :

PB119611BL

Tgt Ion:165 Resp: 18410

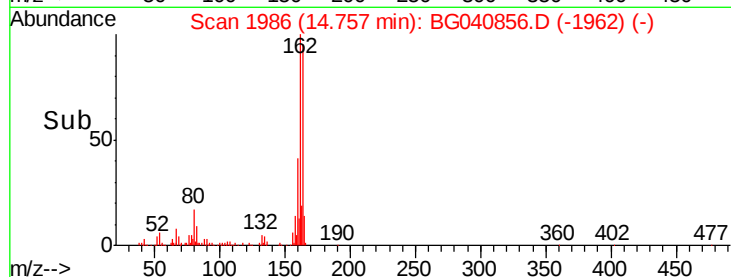
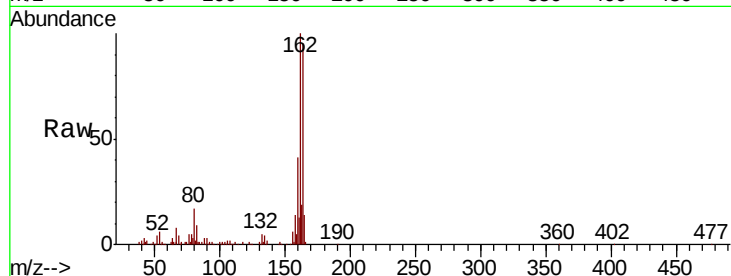
Ion Ratio Lower Upper

165 100

63 2.5 45.8 68.8#

89 2.4 69.4 104.2#

182 0.0 2.2 3.4#

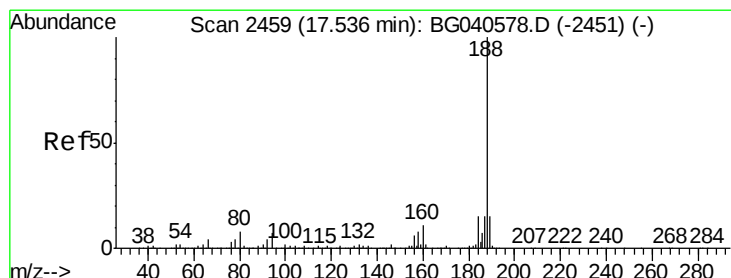
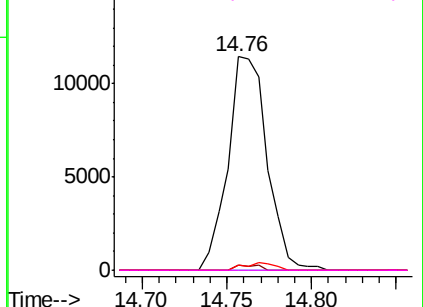


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040856.D

Acq: 10 May 2019 21:57

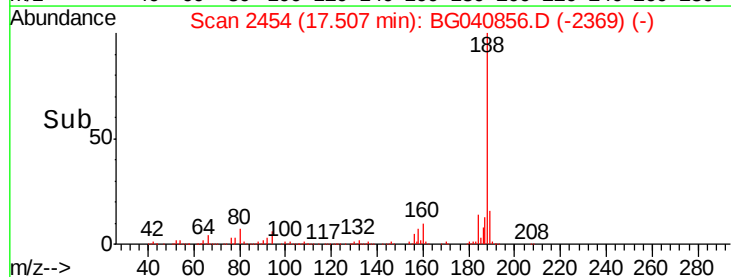
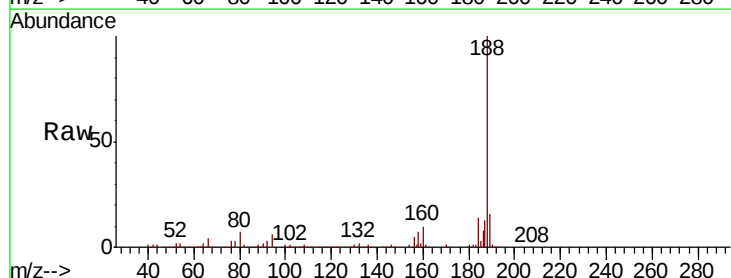
Tgt Ion:188 Resp: 391247

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

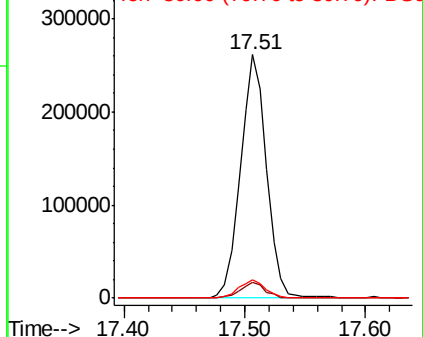
80 7.3 6.4 9.6

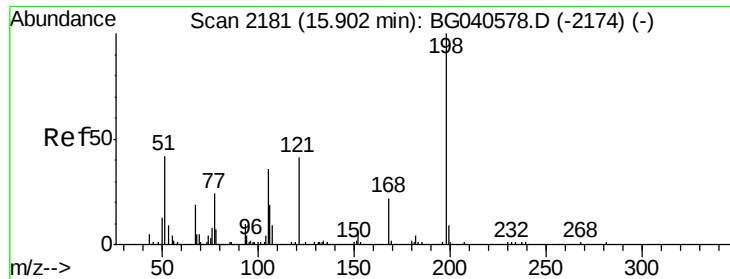


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.487 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Instrument :

BNA_G

ClientSampleId :

PB119611BL

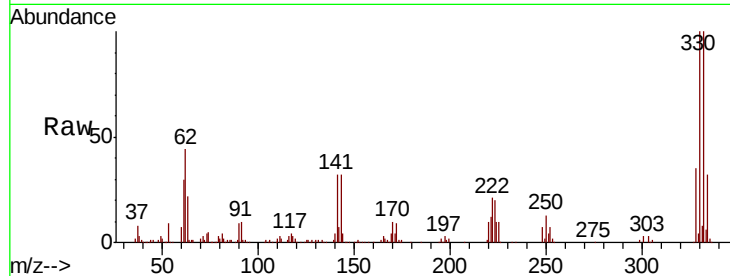
Tgt Ion:198 Resp: 872

Ion Ratio Lower Upper

198 100

51 69.8 35.9 75.9

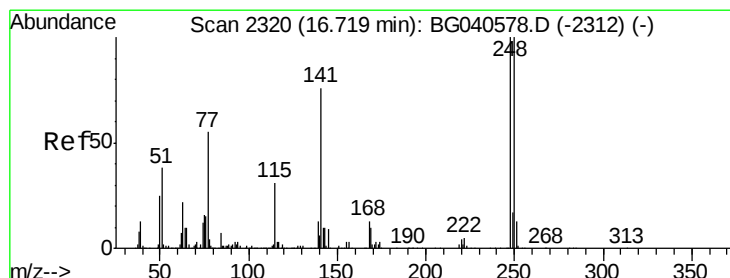
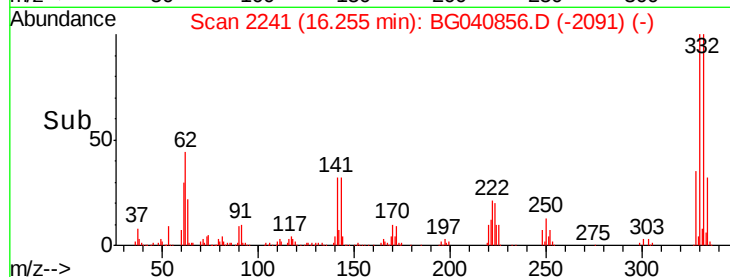
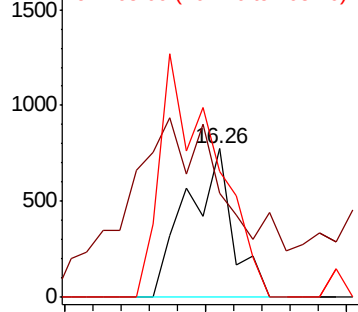
105 84.7 21.2 61.2#



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: 4.218 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

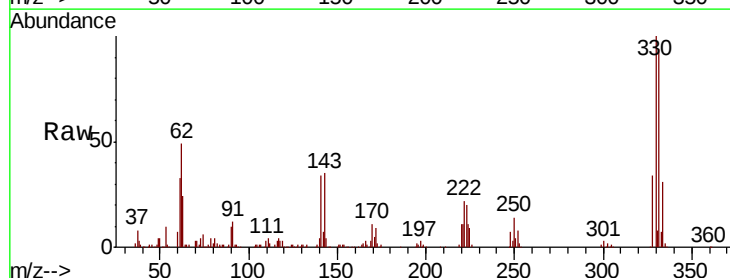
Tgt Ion:248 Resp: 20560

Ion Ratio Lower Upper

248 100

250 210.0 79.8 119.6#

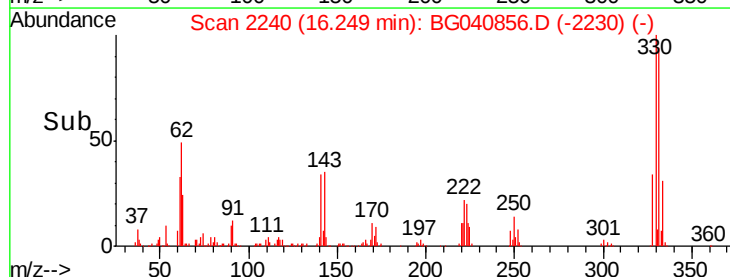
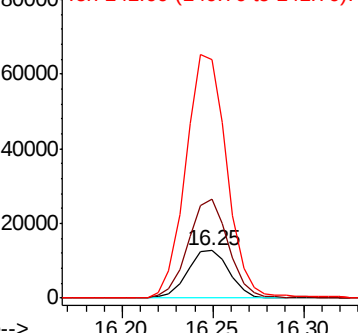
141 504.4 60.8 91.2#

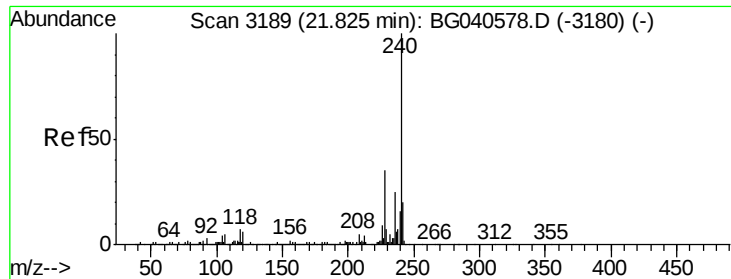


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

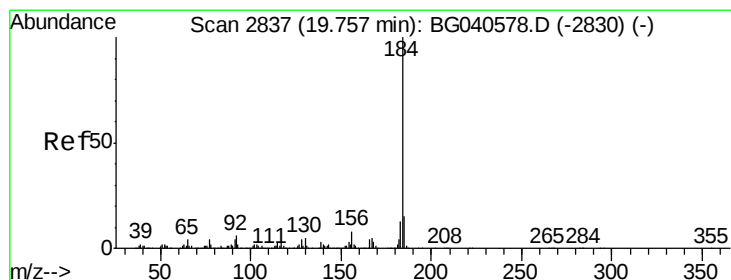
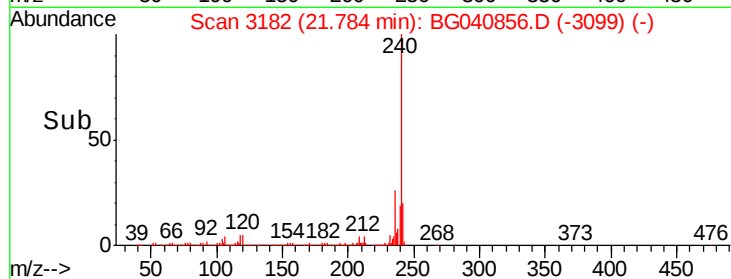
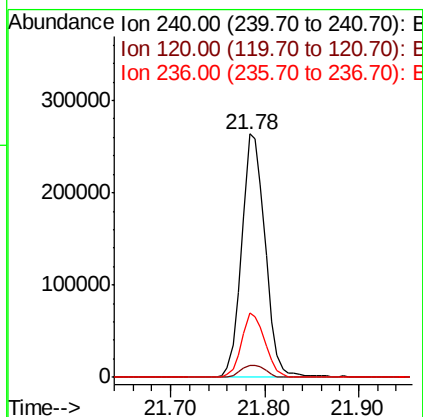
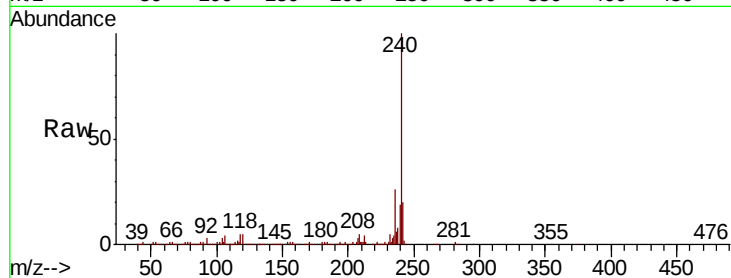




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

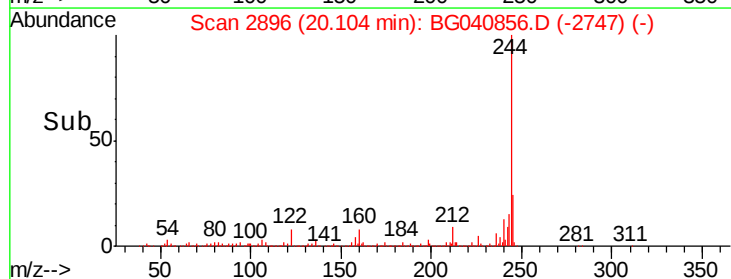
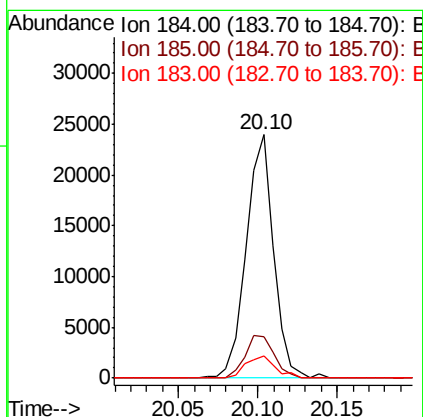
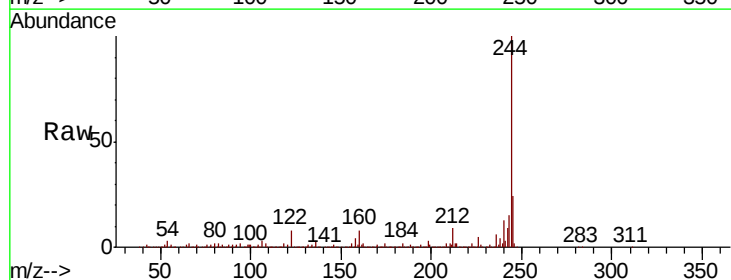
Instrument :
 BNA_G
 ClientSampleId :
 PB119611BL

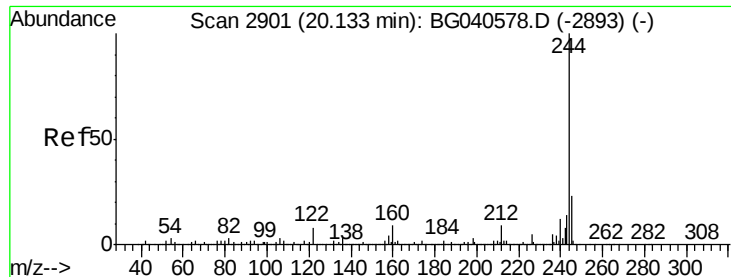
Tgt Ion: 240 Resp: 456768
 Ion Ratio Lower Upper
 240 100
 120 4.8 5.0 7.6#
 236 26.5 20.3 30.5



#77
 Benzidine
 Concen: 2.291 ng
 RT: 20.10 min Scan# 2896
 Delta R.T. 0.35 min
 Lab File: BG040856.D
 Acq: 10 May 2019 21:57

Tgt Ion: 184 Resp: 28647
 Ion Ratio Lower Upper
 184 100
 185 16.8 11.8 17.8
 183 9.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 83.140 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

Instrument :

BNA_G

ClientSampleId :

PB119611BL

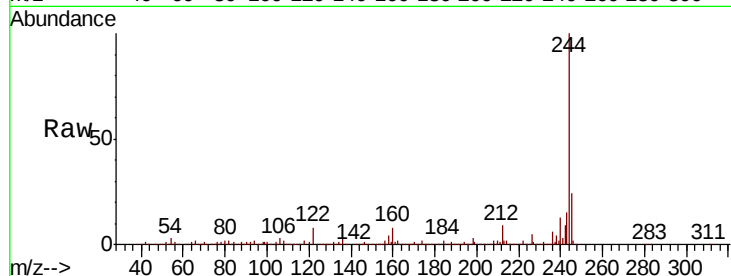
Tgt Ion:244 Resp: 1714150

Ion Ratio Lower Upper

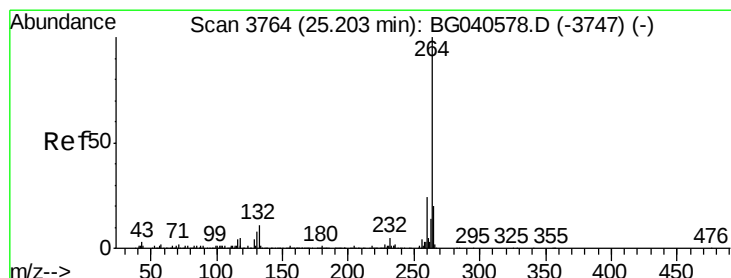
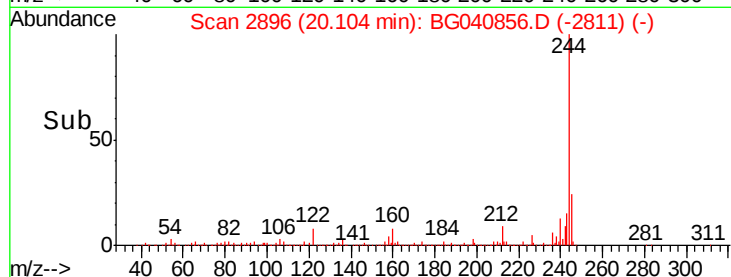
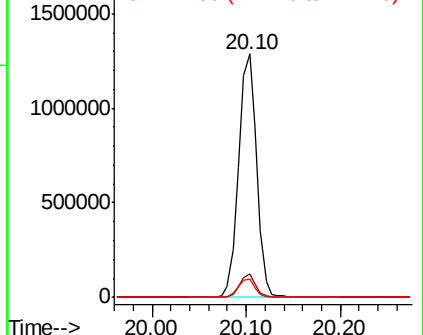
244 100

212 9.4 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: 25.14 min Scan# 3753

Delta R.T. -0.06 min

Lab File: BG040856.D

Acq: 10 May 2019 21:57

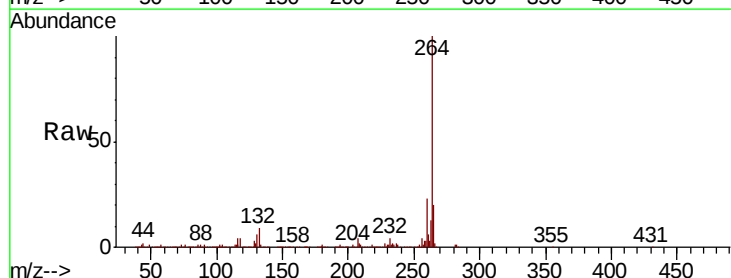
Tgt Ion:264 Resp: 454350

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 20.4 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

