

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050919\
 Data File : BG040823.D
 Acq On : 9 May 2019 19:47
 Operator : HP/JU
 Sample : PB119587BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119587BL

Quant Time: May 10 06:22:43 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

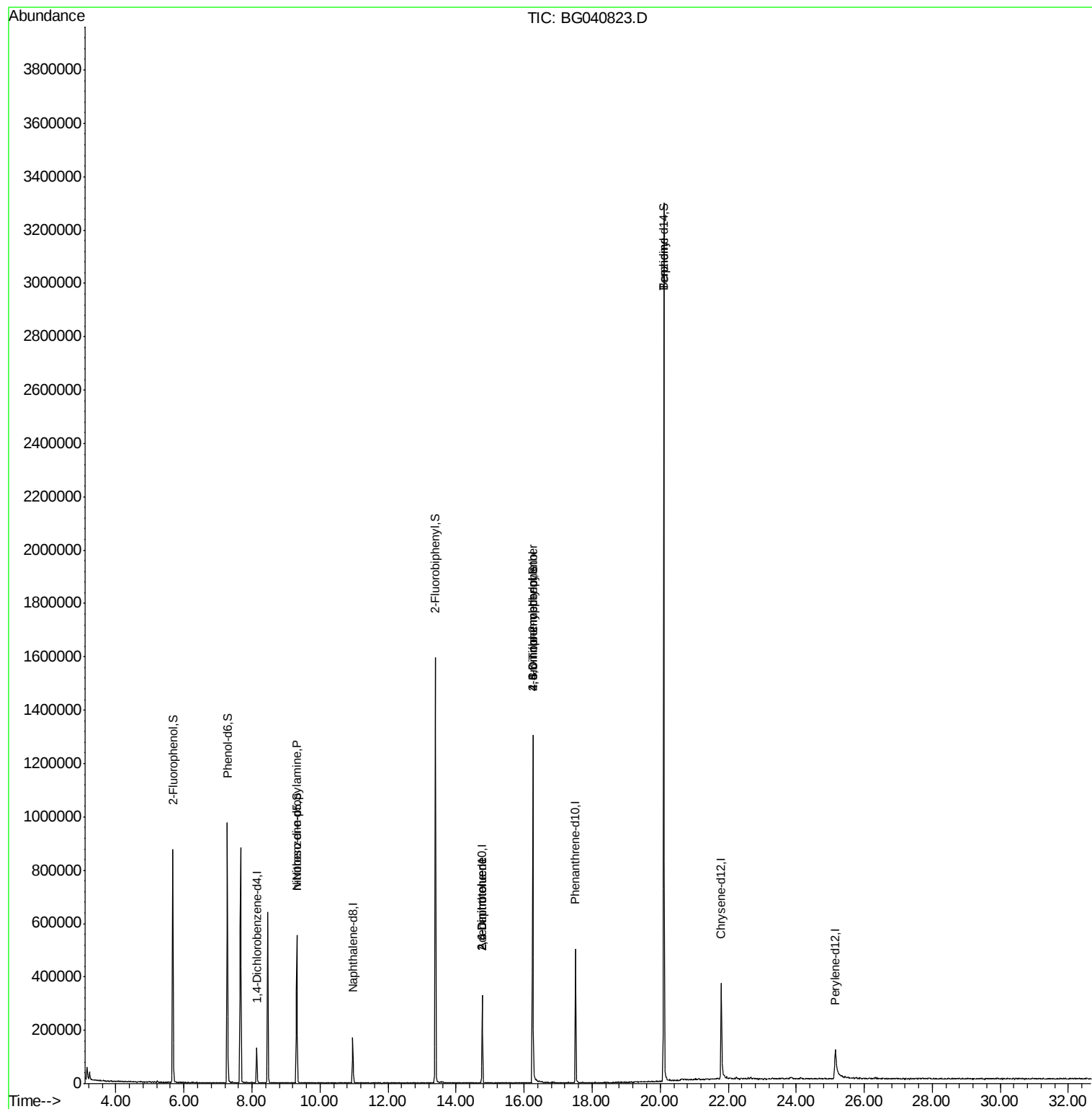
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	31616	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	137446	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	109963	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	305438	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	276779	20.00	ng	-0.03
87) Perylene-d12	25.15	264	182443	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	330139	184.07	ng	-0.01
7) Phenol-d6	7.28	99	482419	174.69	ng	-0.02
23) Nitrobenzene-d5	9.32	82	328308	110.37	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	251540	166.42	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	808186	106.14	ng	-0.02
79) Terphenyl-d14	20.11	244	1589863	127.26	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1359	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	48642	19.567 ng	#	68
51) 2,6-Dinitrotoluene	14.77	165	13615	7.582 ng	#	12
57) 2,4-Dinitrotoluene	14.77	165	13615	5.580 ng	#	14
65) 4,6-Dinitro-2-methylphenol	16.25	198	942	7.635 ng	#	31
67) 4-Bromophenyl-phenylether	16.25	248	18342	4.820 ng	#	1
77) Benzydine	20.10	184	27234	3.594 ng	#	91

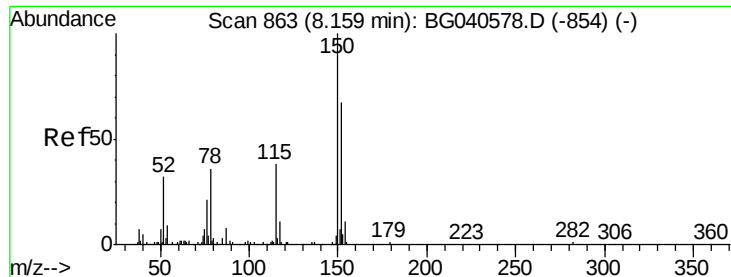
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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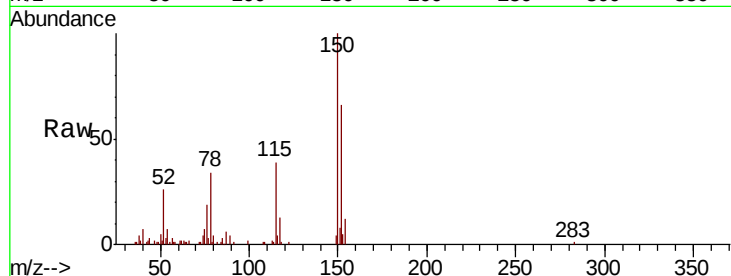


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

Instrument :
BNA_G
ClientSampleId :
PB119587BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	120.2	180.2
115	58.5	46.2	69.2

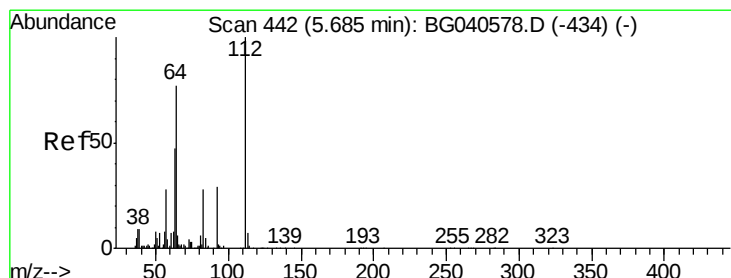
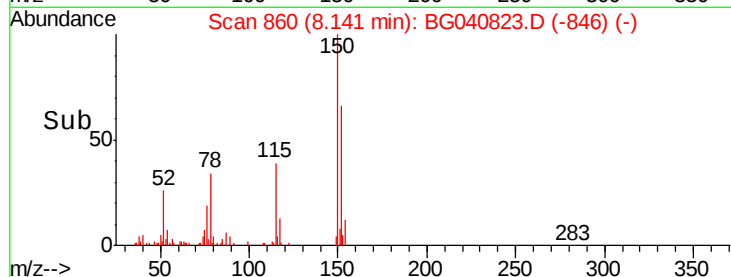
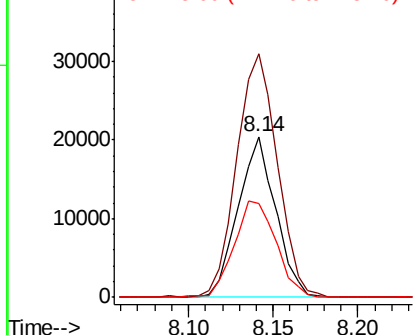


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

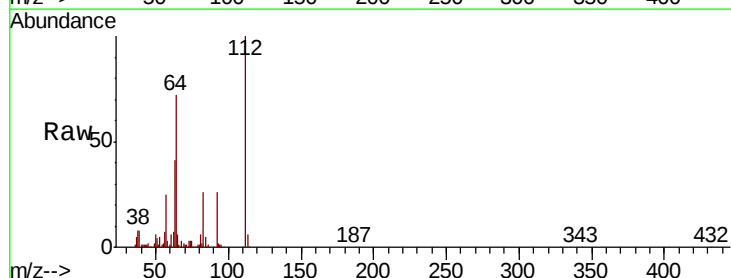
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 184.071 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	61.4	92.0
63	40.7	37.8	56.6

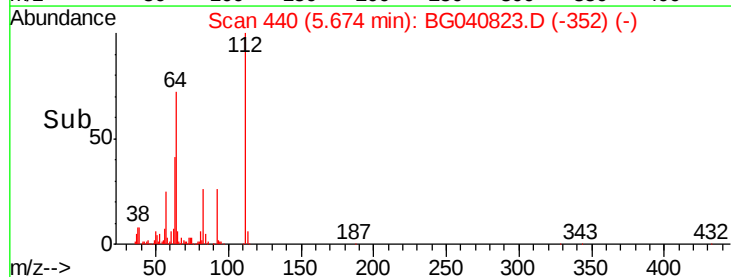
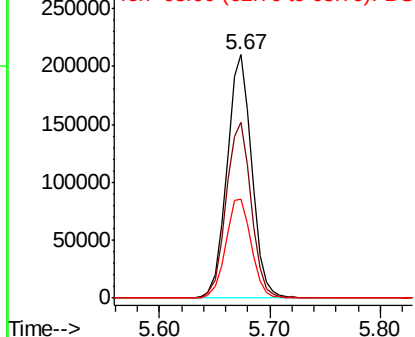


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 174.691 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

Instrument :

BNA_G

ClientSampleId :

PB119587BL

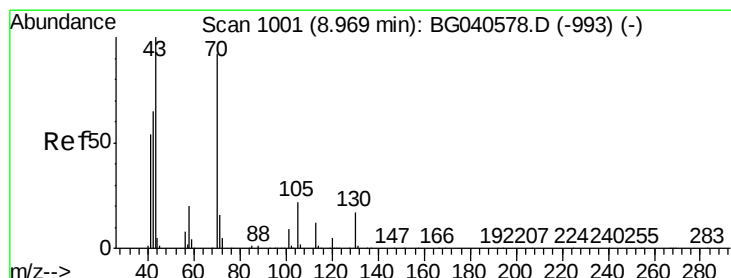
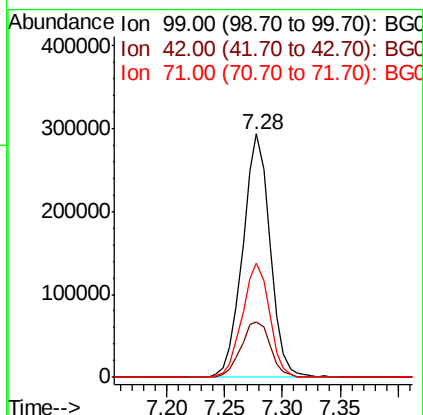
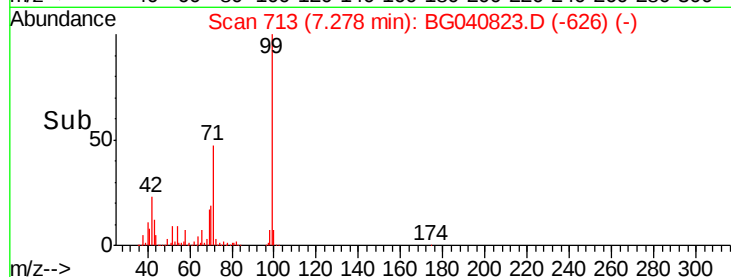
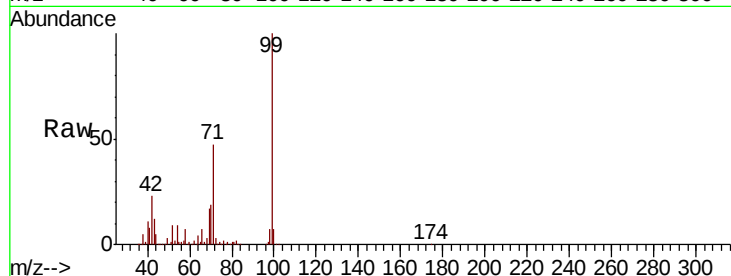
Tgt Ion: 99 Resp: 482419

Ion Ratio Lower Upper

99 100

42 22.9 21.8 32.8

71 46.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 19.567 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

Tgt Ion: 70 Resp: 48642

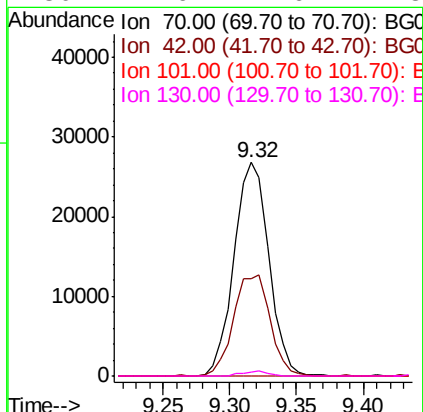
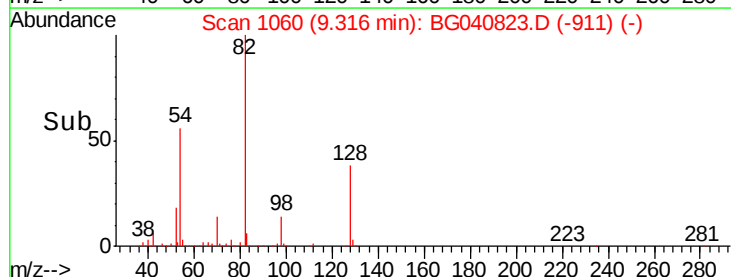
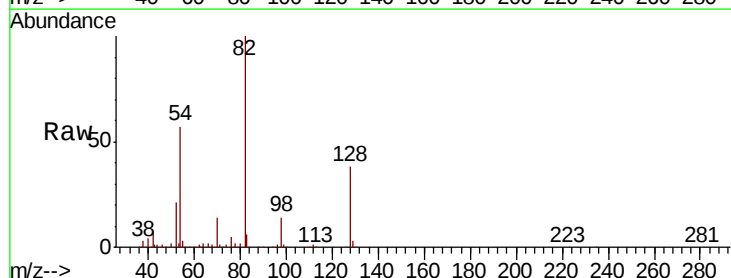
Ion Ratio Lower Upper

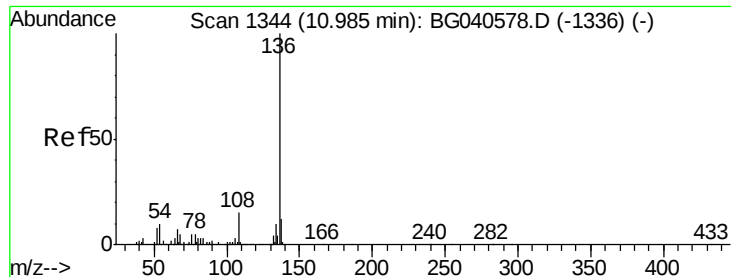
70 100

42 45.3 57.1 85.7#

101 0.0 7.8 11.8#

130 1.6 14.6 21.8#

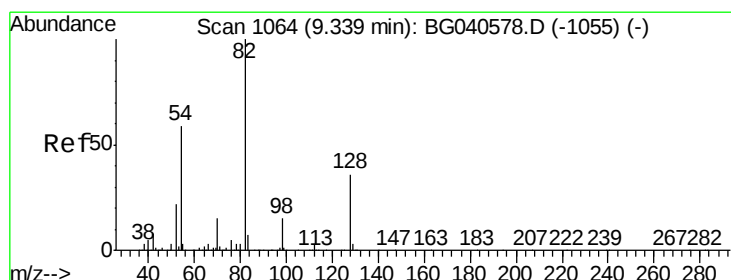
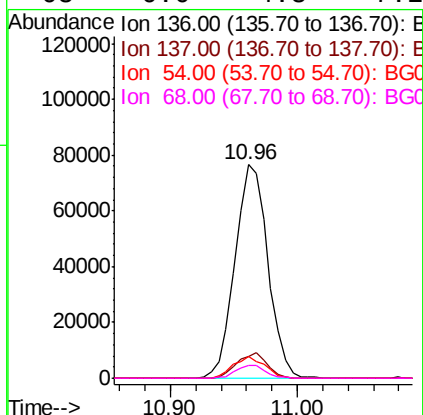
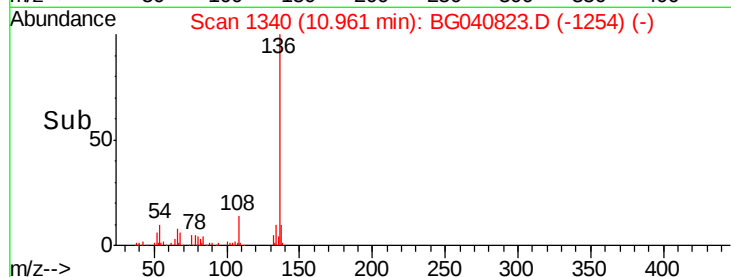
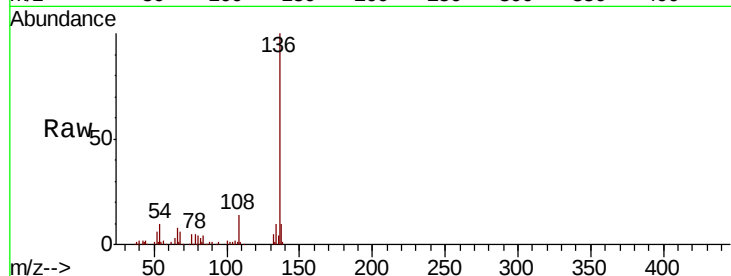




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

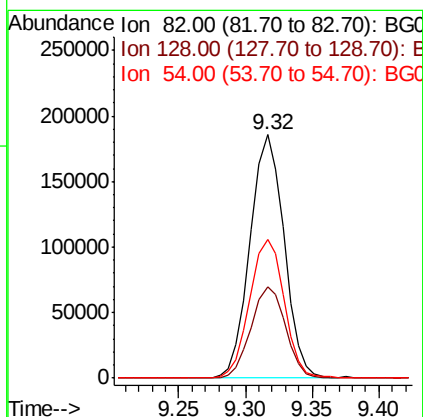
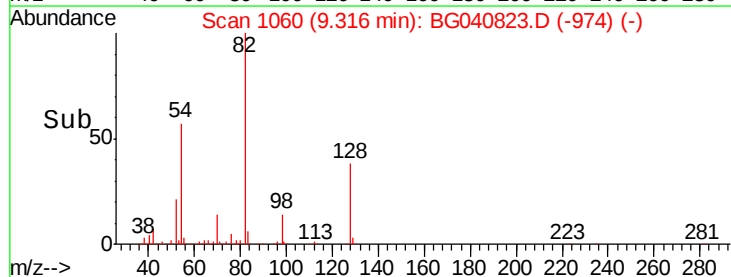
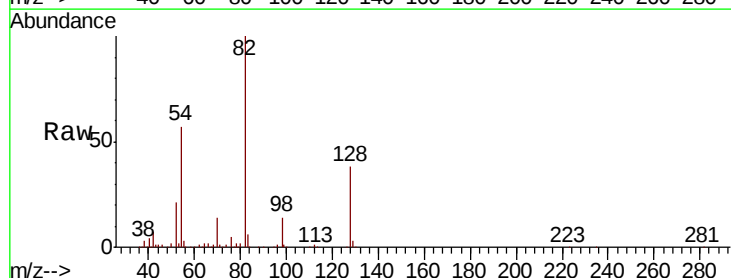
Instrument :
BNA_G
ClientSampleId :
PB119587BL

Tgt Ion:	136	Resp:	137446
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.7	14.5
54	11.4	8.6	12.8
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 110.370 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

Tgt Ion:	82	Resp:	328308
Ion	Ratio	Lower	Upper
82	100		
128	37.5	28.9	43.3
54	56.9	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

Instrument :

BNA_G

ClientSampleId :

PB119587BL

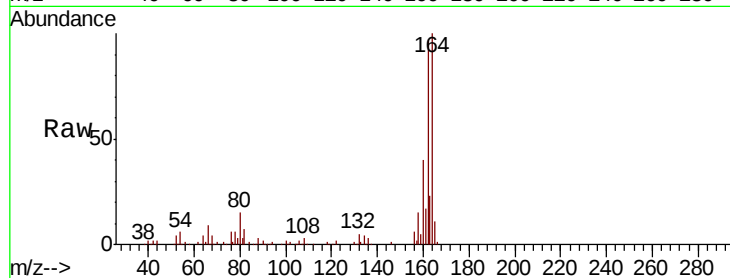
Tgt Ion:164 Resp: 109963

Ion Ratio Lower Upper

164 100

162 96.7 81.9 122.9

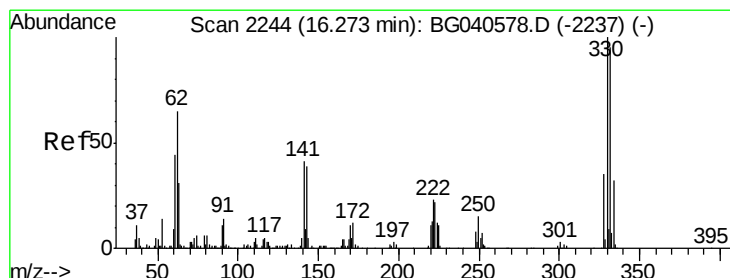
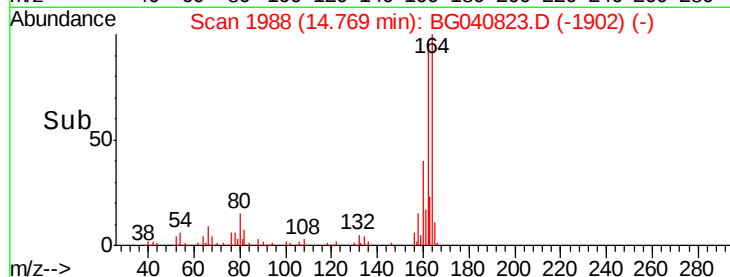
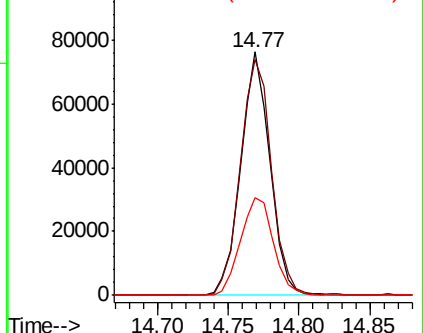
160 40.2 35.4 53.2



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: 166.421 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

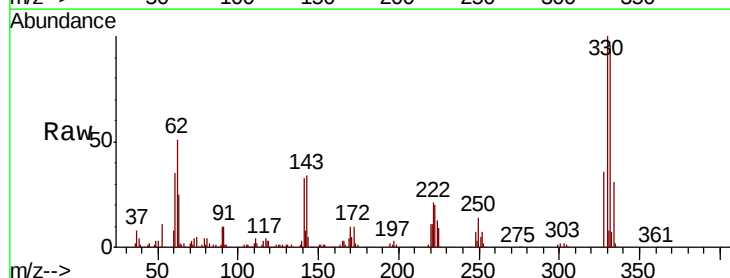
Tgt Ion:330 Resp: 251540

Ion Ratio Lower Upper

330 100

332 95.9 75.9 113.9

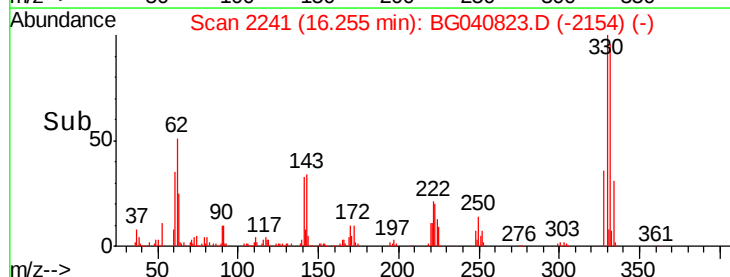
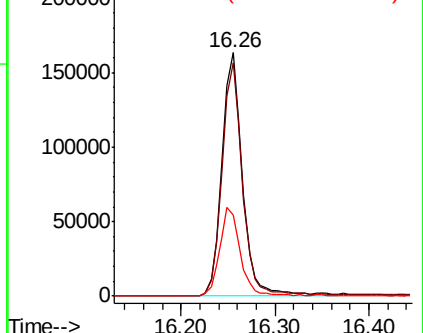
141 36.4 32.4 48.6



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

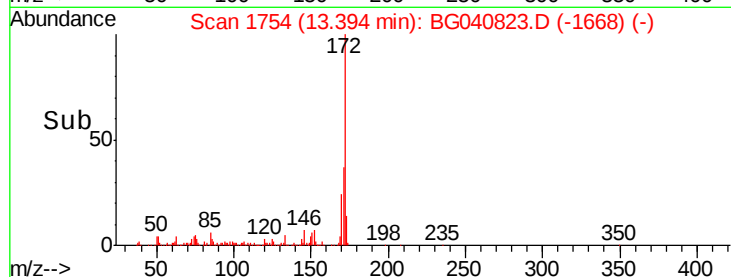
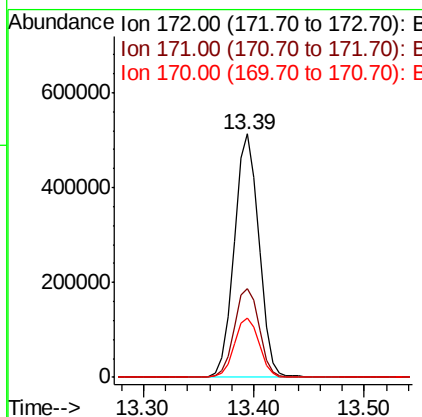
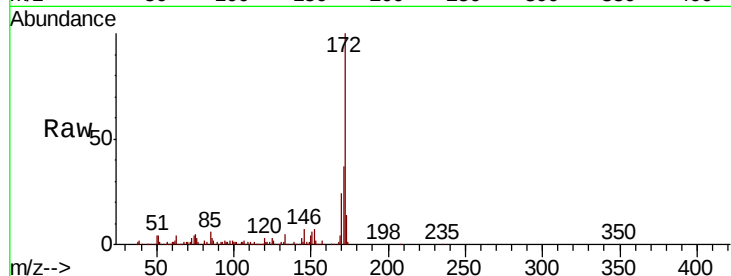




#45
 2-Fluorobiphenyl
 Concen: 106.143 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040823.D
 Acq: 9 May 2019 19:47

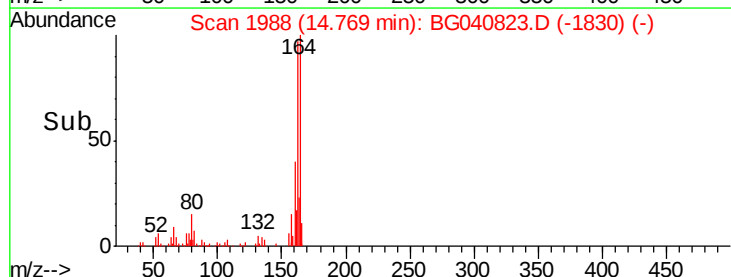
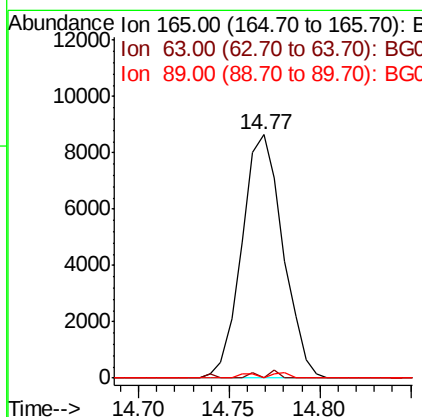
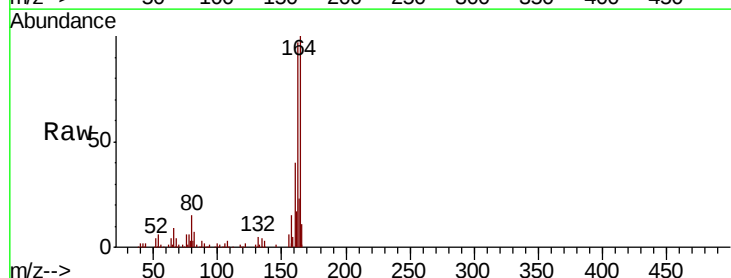
Instrument :
 BNA_G
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 PB119587BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.2
170	24.5	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.582 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040823.D
 Acq: 9 May 2019 19:47

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

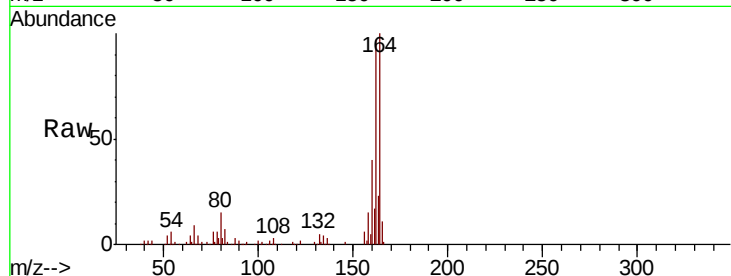




#57
 2,4-Dinitrotoluene
 Concen: 5.580 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040823.D
 Acq: 9 May 2019 19:47

Instrument :
 BNA_G
 ClientSampleId :
 PB119587BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.8	68.8#
89	0.0	69.4	104.2#
182	0.0	2.2	3.4#

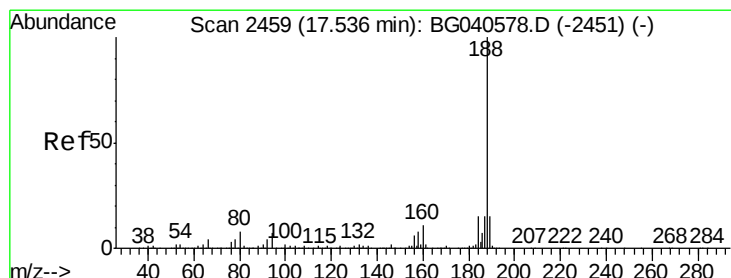
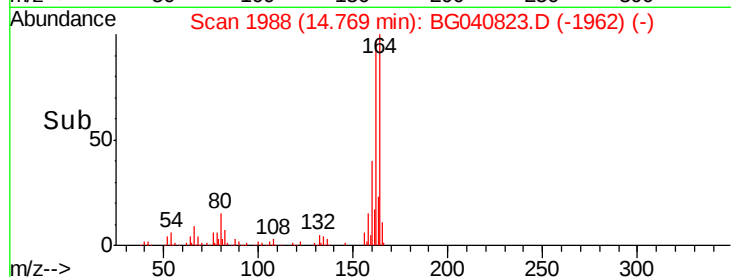
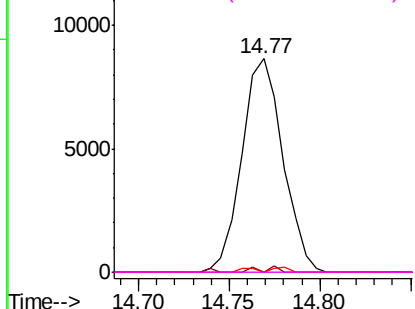


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

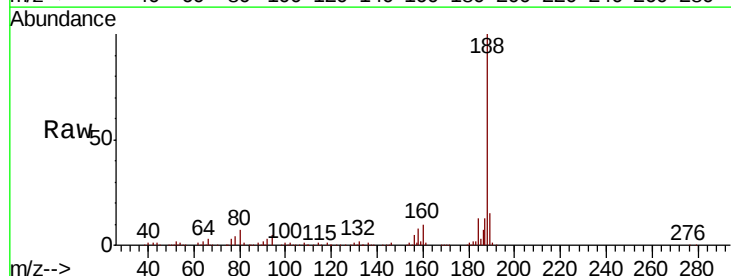
Ion 89.00 (88.70 to 89.70): BGC

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: BG040823.D
 Acq: 9 May 2019 19:47

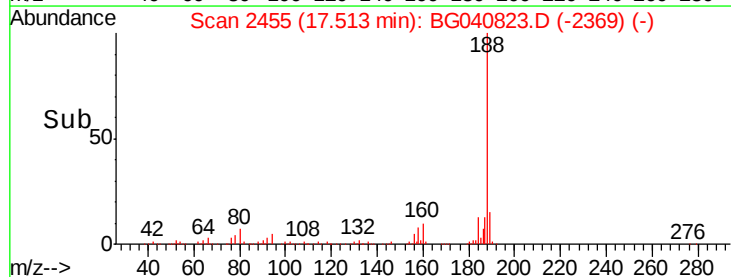
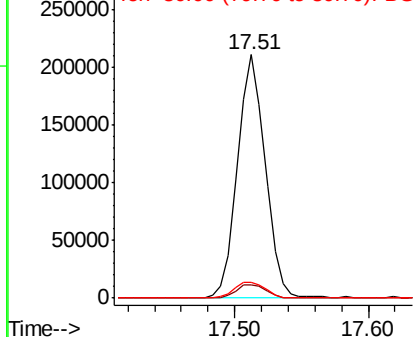
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.2	5.6	8.4#
80	6.6	6.4	9.6

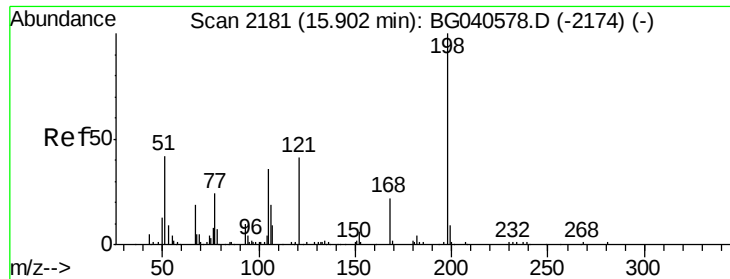


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.635 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

Instrument :

BNA_G

ClientSampleId :

PB119587BL

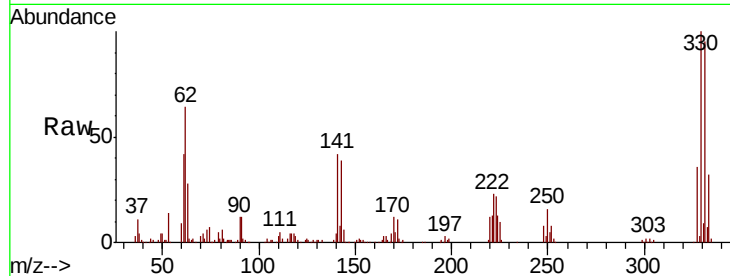
Tgt Ion:198 Resp: 942

Ion Ratio Lower Upper

198 100

51 115.2 35.9 75.9#

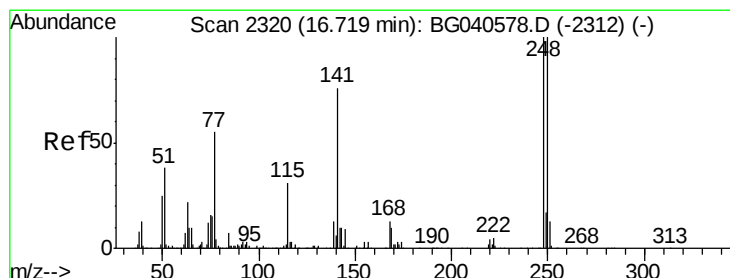
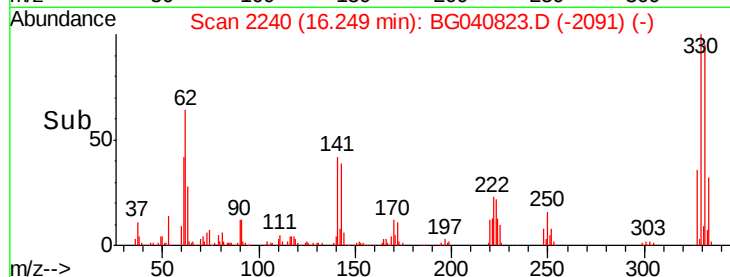
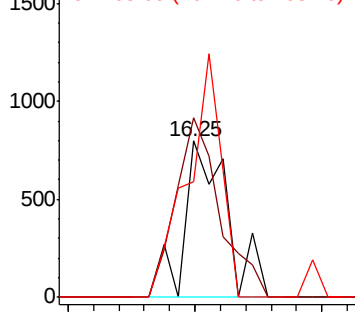
105 74.2 21.2 61.2#



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: 4.820 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.47 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

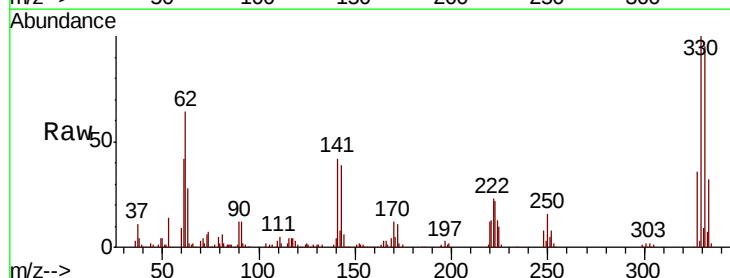
Tgt Ion:248 Resp: 18342

Ion Ratio Lower Upper

248 100

250 203.4 79.8 119.6#

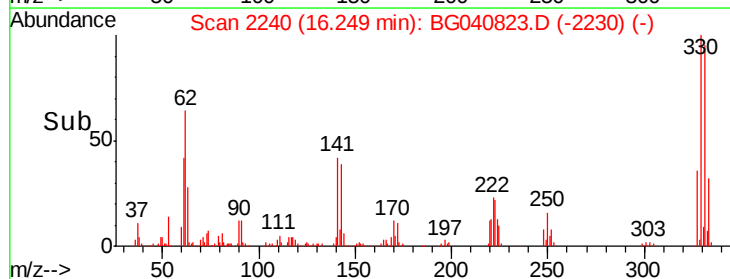
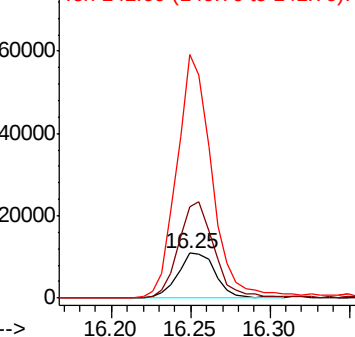
141 541.4 60.8 91.2#

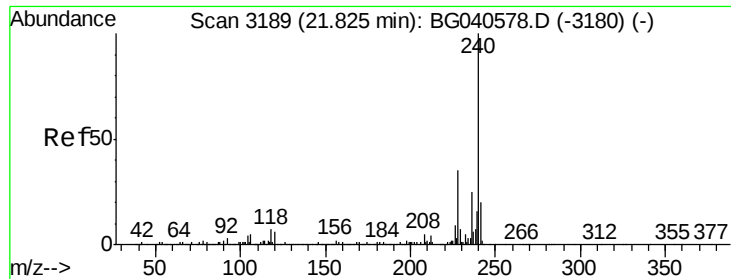


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

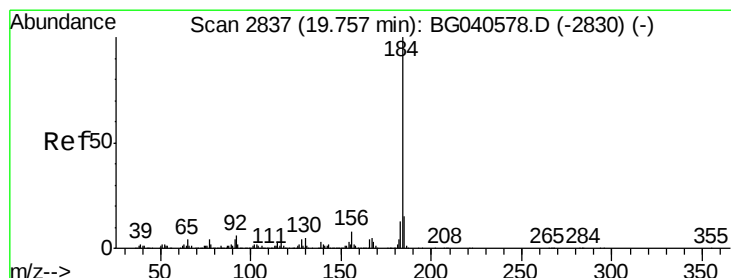
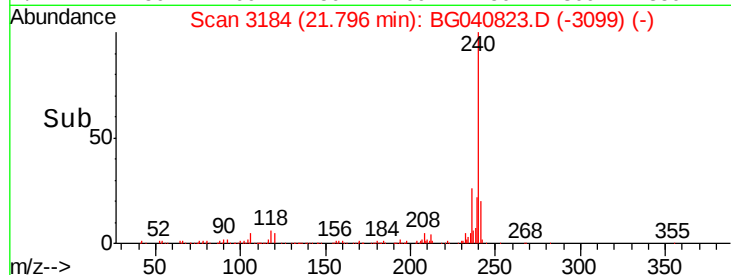
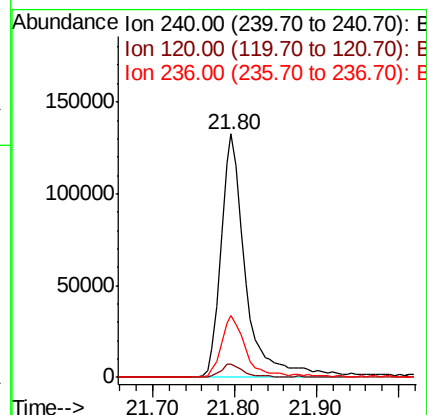
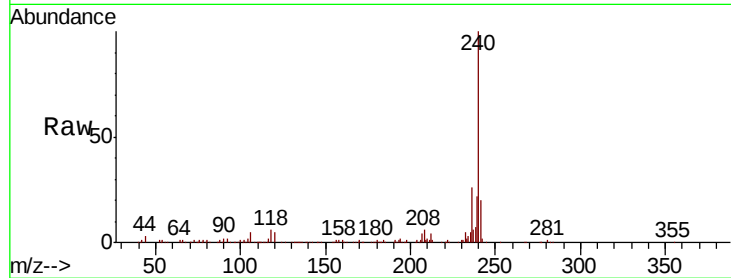




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

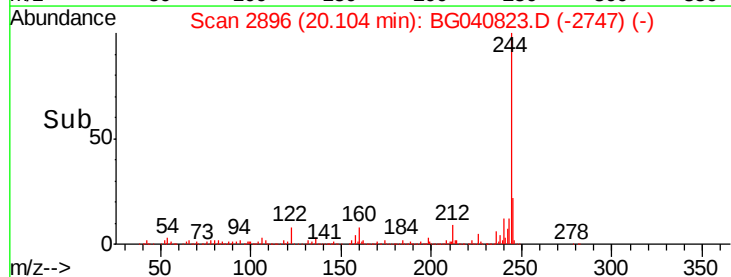
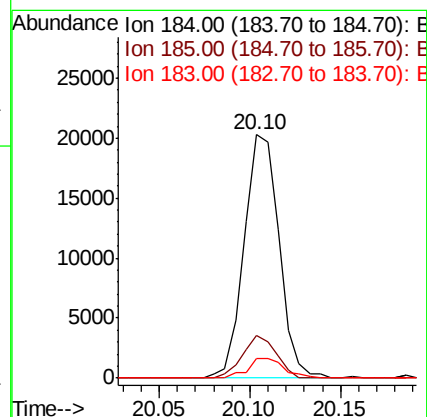
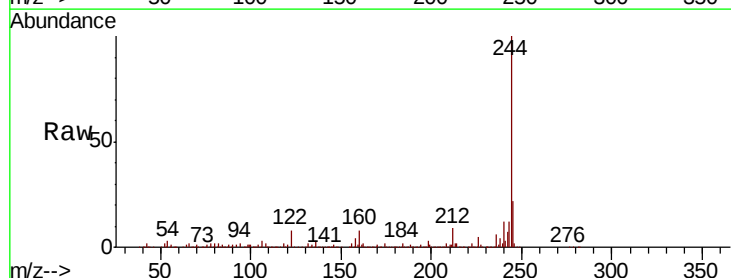
Instrument :
BNA_G
ClientSampleId :
PB119587BL

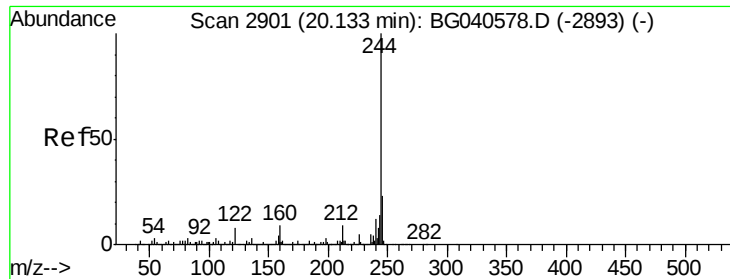
Tgt Ion:240 Resp: 276779
Ion Ratio Lower Upper
240 100
120 5.4 5.0 7.6
236 25.6 20.3 30.5



#77
Benzidine
Concen: 3.594 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040823.D
Acq: 9 May 2019 19:47

Tgt Ion:184 Resp: 27234
Ion Ratio Lower Upper
184 100
185 17.7 11.8 17.8
183 8.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 127.257 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

Instrument :

BNA_G

ClientSampleId :

PB119587BL

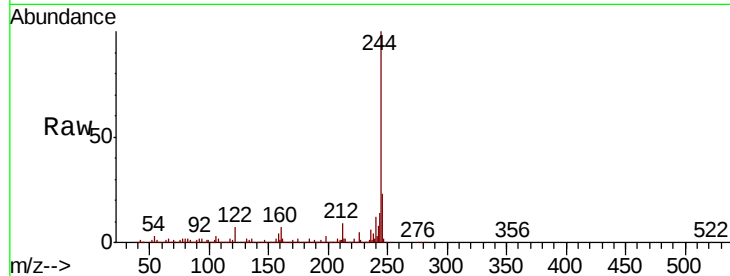
Tgt Ion:244 Resp: 1589863

Ion Ratio Lower Upper

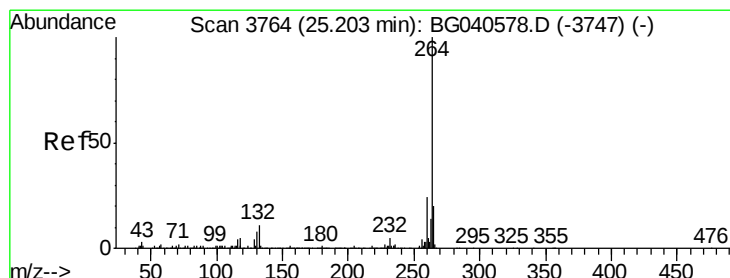
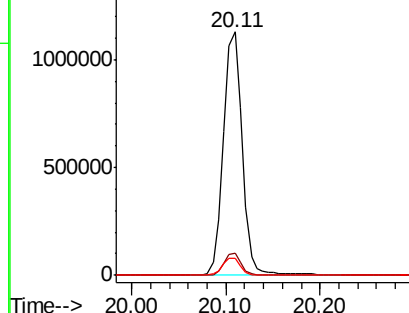
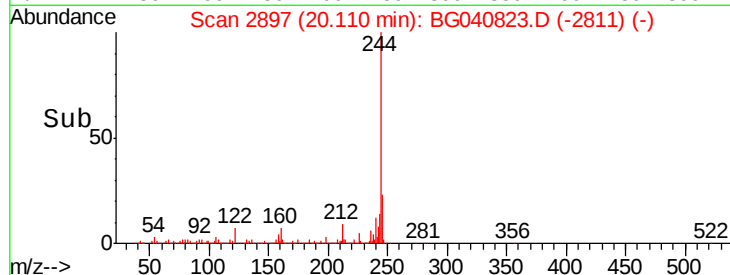
244 100

212 9.0 7.2 10.8

122 7.0 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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040823.D

Acq: 9 May 2019 19:47

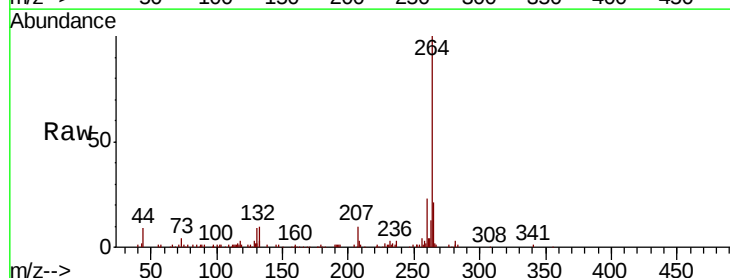
Tgt Ion:264 Resp: 182443

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.0 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

