

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039879.D
 Acq On : 12 Mar 2019 18:13
 Operator : JU/SJ
 Sample : PB117829BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117829BL

Quant Time: Mar 13 05:49:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

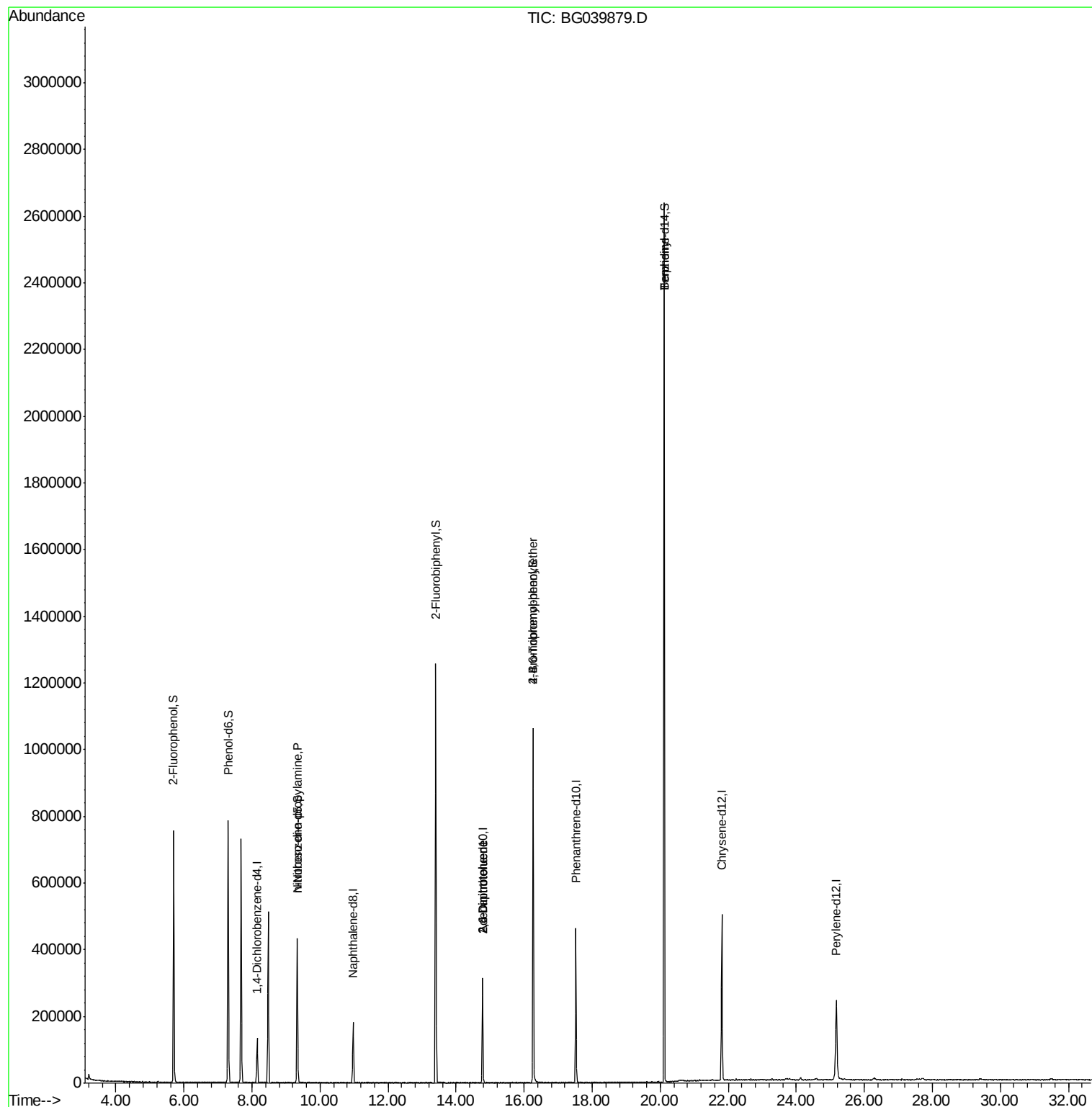
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	37749	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	155655	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	111999	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	287503	20.00	ng	0.00
76) Chrysene-d12	21.81	240	314802	20.00	ng	0.00
87) Perylene-d12	25.18	264	300683	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	315940	142.78	ng	0.00
7) Phenol-d6	7.30	99	453944	137.59	ng	0.00
23) Nitrobenzene-d5	9.33	82	262429	91.18	ng	0.00
42) 2,4,6-Tribromophenol	16.26	330	190648	146.04	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	685648	87.17	ng	0.00
79) Terphenyl-d14	20.12	244	1229090	85.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	33491	14.103	ng	# 68
51) 2,6-Dinitrotoluene	14.78	165	14151	7.128	ng	# 23
57) 2,4-Dinitrotoluene	14.78	165	14151	5.073	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	14454	4.491	ng	# 1
77) Benzidine	20.12	184	21145	2.117	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

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BNA_G

ClientSampleId :

PB117829BL

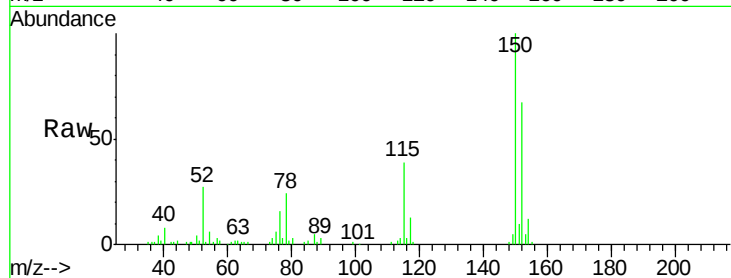
Tgt Ion:152 Resp: 37749

Ion Ratio Lower Upper

152 100

150 150.2 123.7 185.5

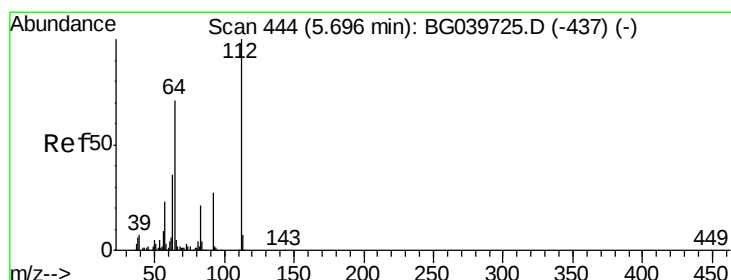
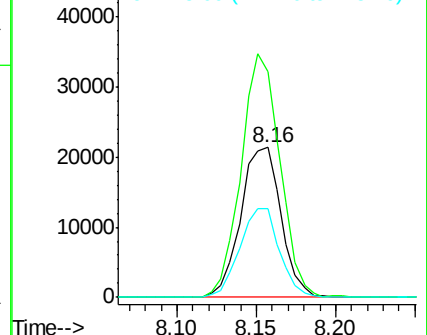
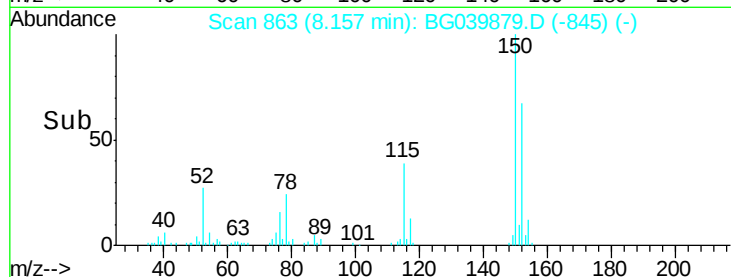
115 58.8 45.9 68.9



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: 142.784 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

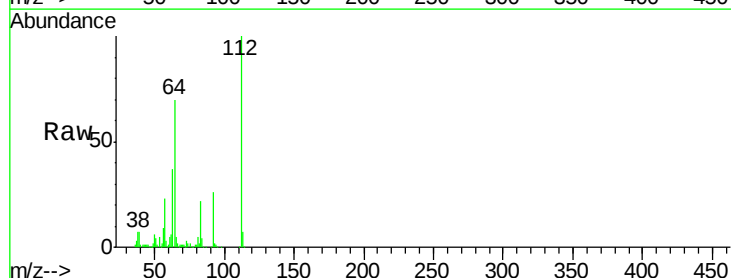
Tgt Ion:112 Resp: 315940

Ion Ratio Lower Upper

112 100

64 70.3 57.8 86.8

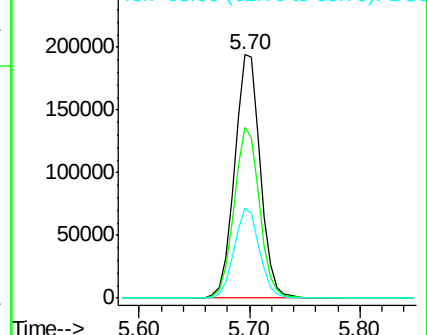
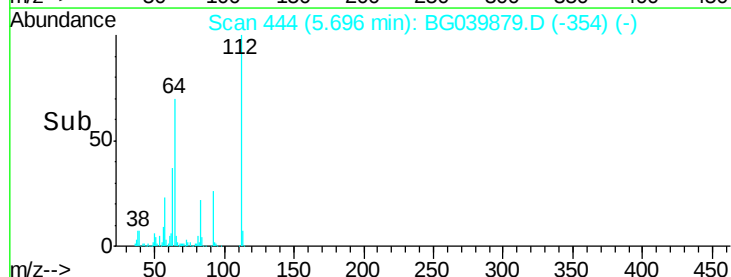
63 37.0 29.8 44.6



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: 137.589 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

Instrument :

BNA_G

ClientSampleId :

PB117829BL

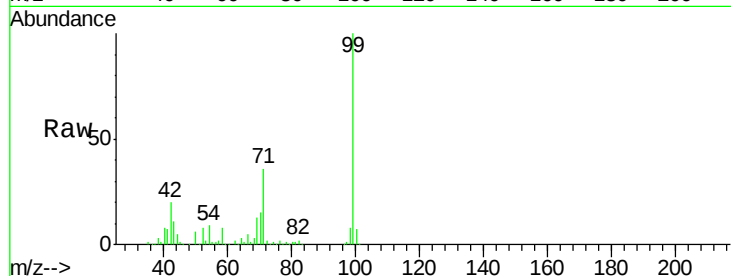
Tgt Ion: 99 Resp: 453944

Ion Ratio Lower Upper

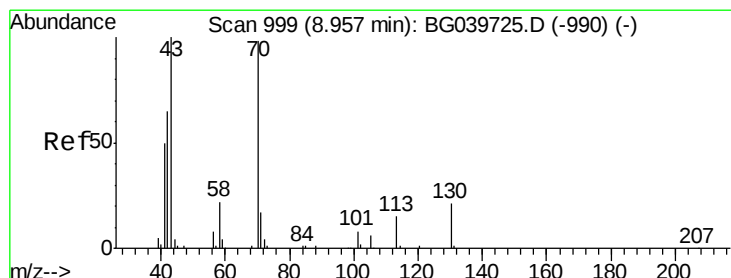
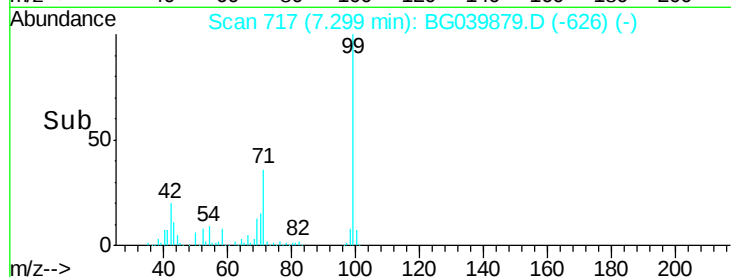
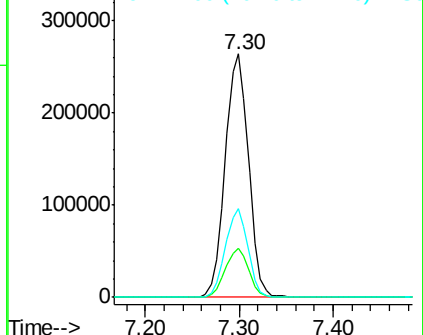
99 100

42 20.0 18.2 27.2

71 36.2 28.0 42.0



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: 14.103 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.37 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

Tgt Ion: 70 Resp: 33491

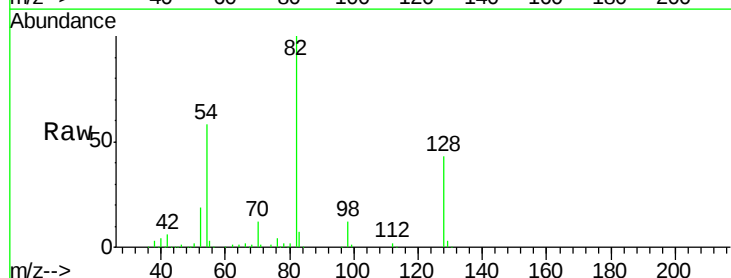
Ion Ratio Lower Upper

70 100

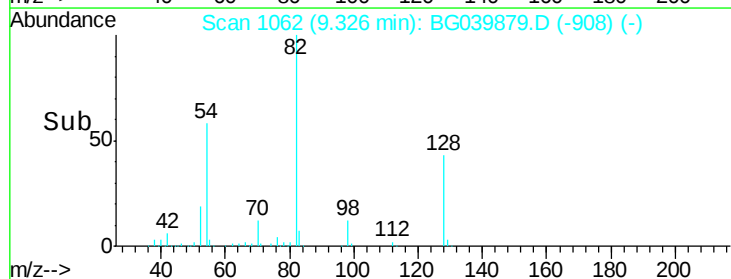
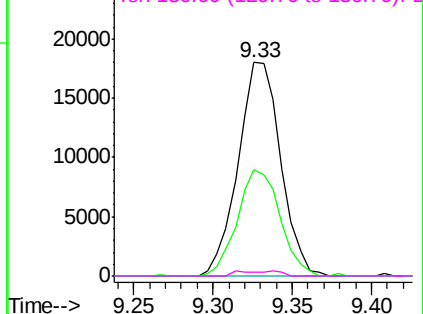
42 49.5 60.4 90.6#

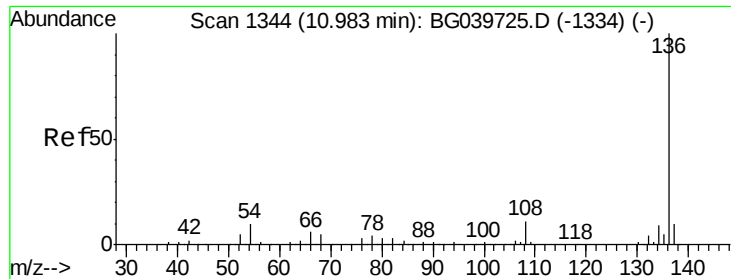
101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



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

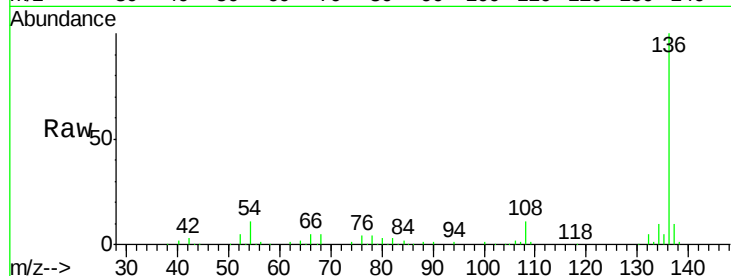




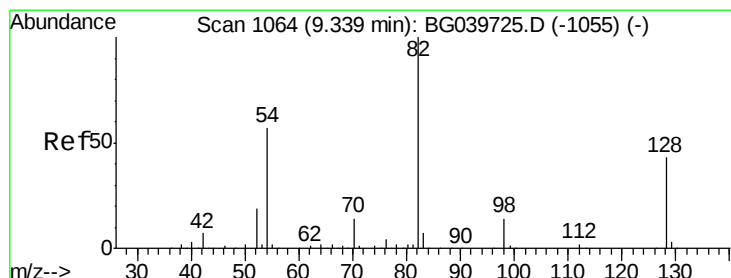
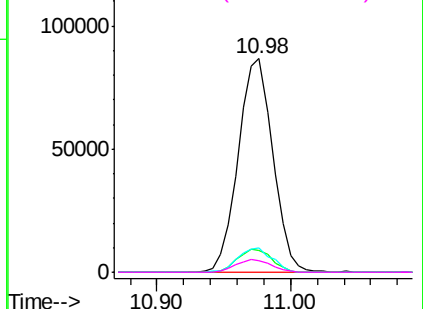
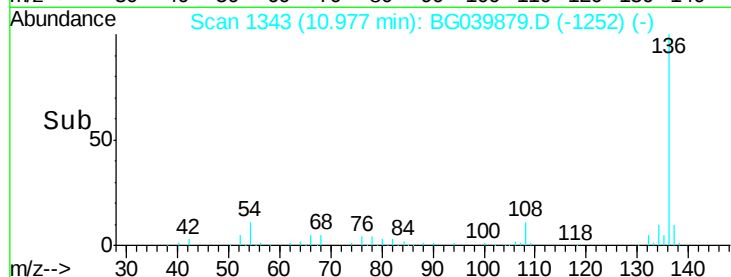
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BG039879.D
Acq: 12 Mar 2019 18:13

Instrument :
BNA_G
ClientSampleId :
PB117829BL

Tgt Ion:	136	Resp:	155655
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	11.2	9.4	14.2
68	5.3	4.2	6.4

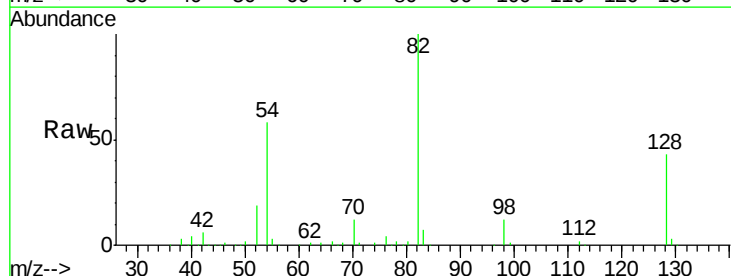


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

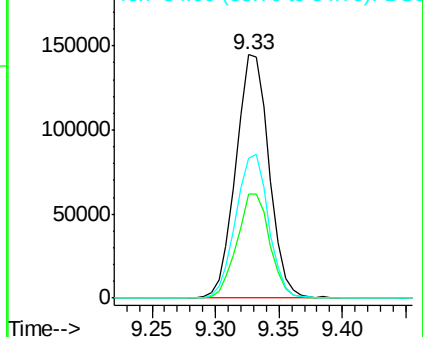
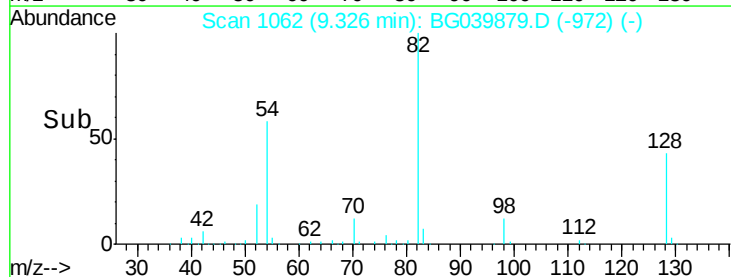


#23
Nitrobenzene-d5
Concen: 91.184 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BG039879.D
Acq: 12 Mar 2019 18:13

Tgt Ion:	82	Resp:	262429
Ion	Ratio	Lower	Upper
82	100		
128	42.6	31.3	46.9
54	57.7	50.9	76.3



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: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

Instrument :

BNA_G

ClientSampleId :

PB117829BL

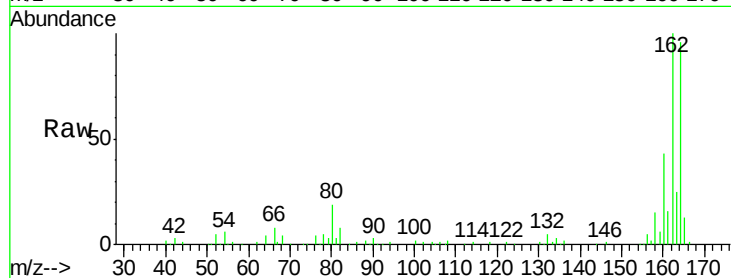
Tgt Ion:164 Resp: 111999

Ion Ratio Lower Upper

164 100

162 104.0 81.6 122.4

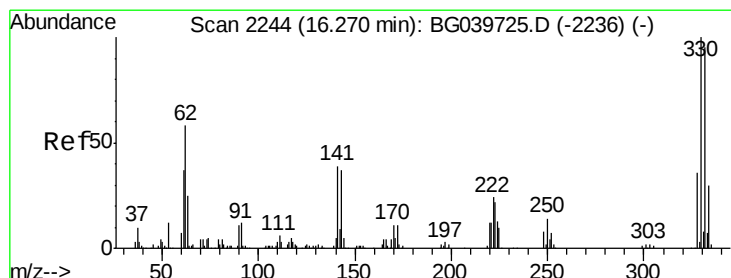
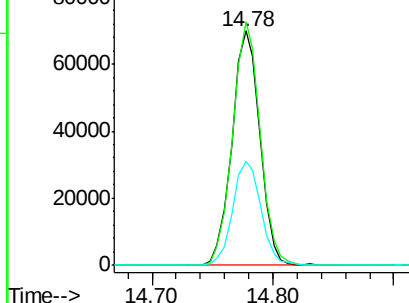
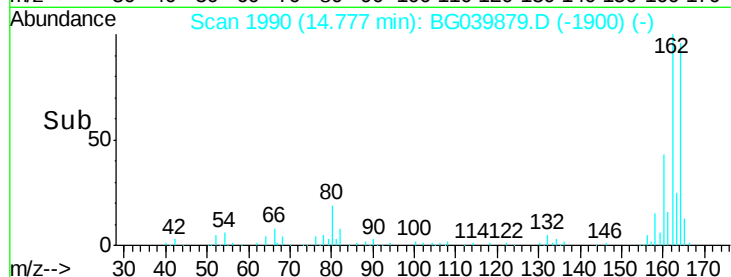
160 44.7 34.2 51.2



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: 146.042 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

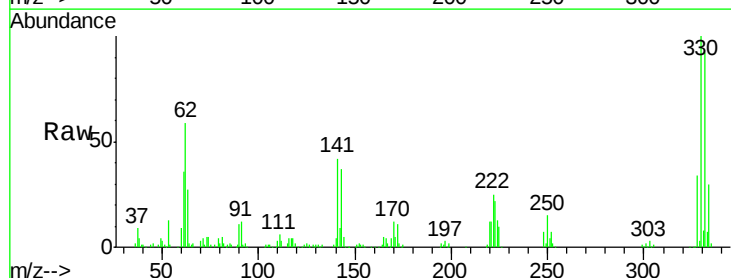
Tgt Ion:330 Resp: 190648

Ion Ratio Lower Upper

330 100

332 94.4 75.7 113.5

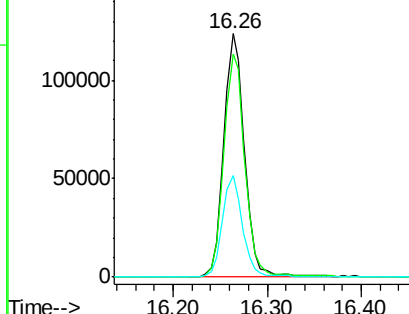
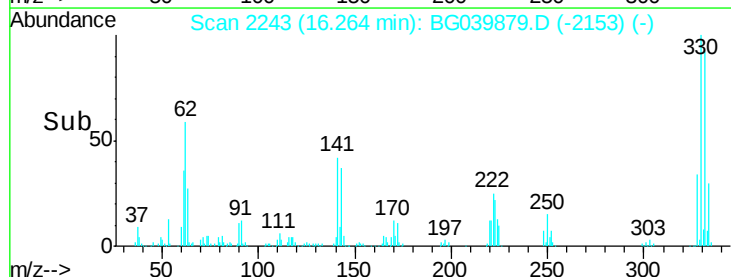
141 39.9 35.6 53.4

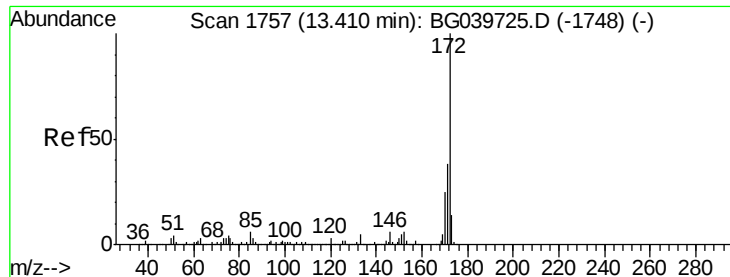


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

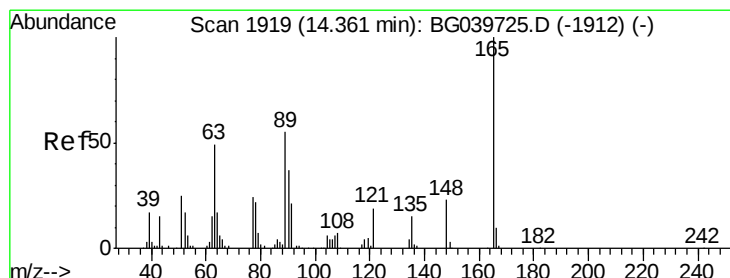
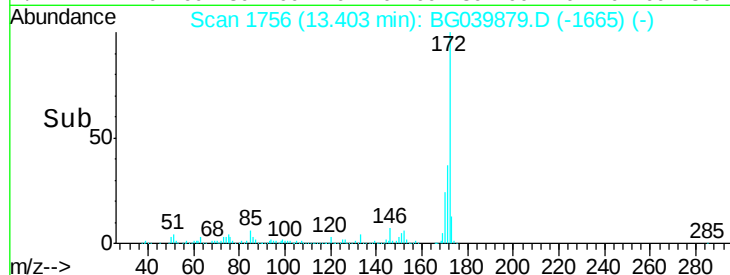
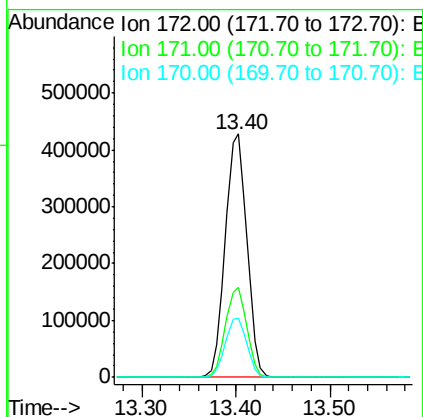
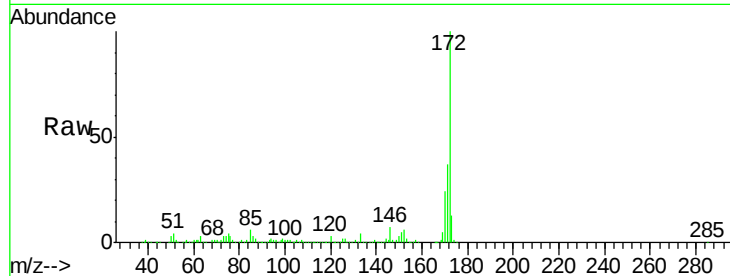




#45
 2-Fluorobiphenyl
 Concen: 87.166 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BG039879.D
 Acq: 12 Mar 2019 18:13

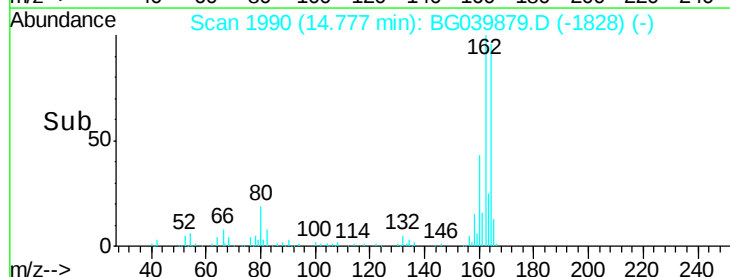
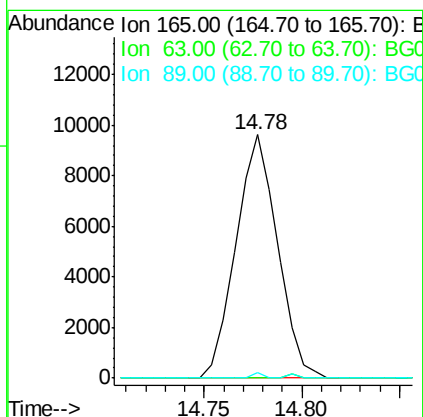
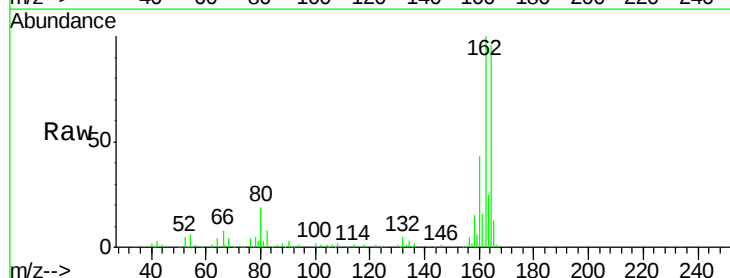
Instrument :
 BNA_G
 ClientSampleId :
 PB117829BL

Tgt Ion:172 Resp: 685648
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 24.4 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.128 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.42 min
 Lab File: BG039879.D
 Acq: 12 Mar 2019 18:13

Tgt Ion:165 Resp: 14151
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.1 45.8 68.8#

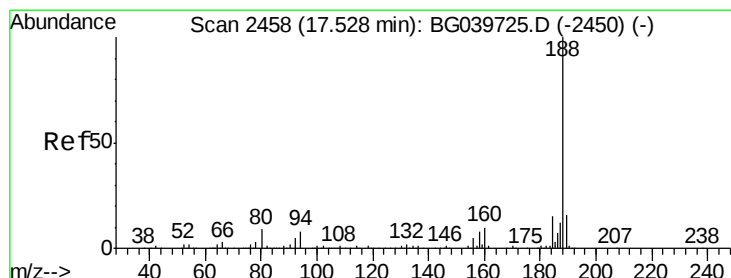
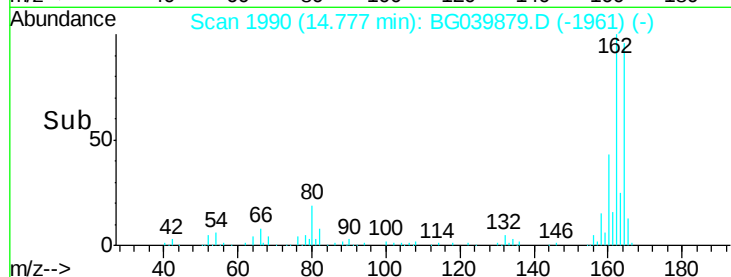
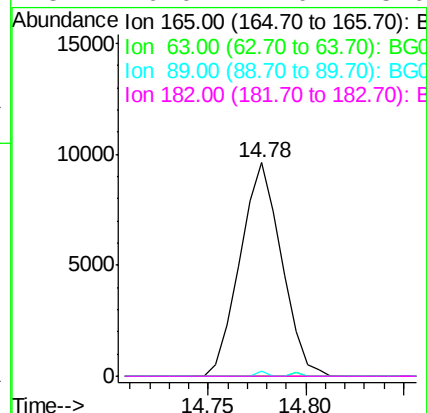
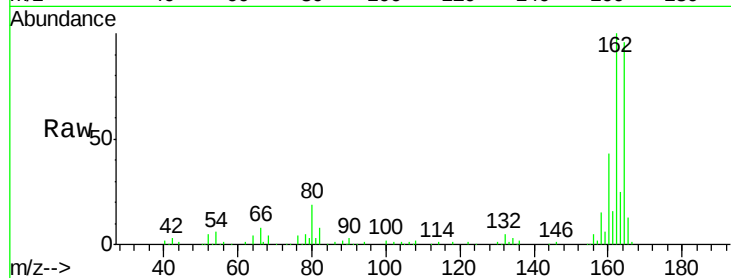




#57
 2,4-Dinitrotoluene
 Concen: 5.073 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG039879.D
 Acq: 12 Mar 2019 18:13

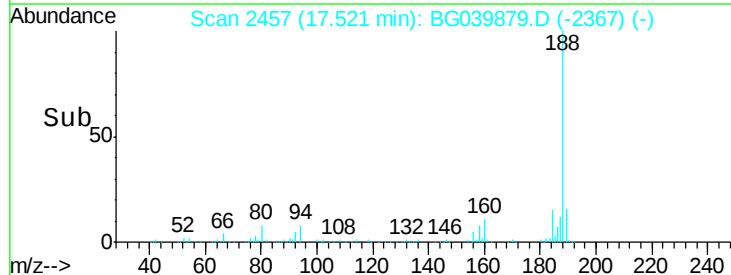
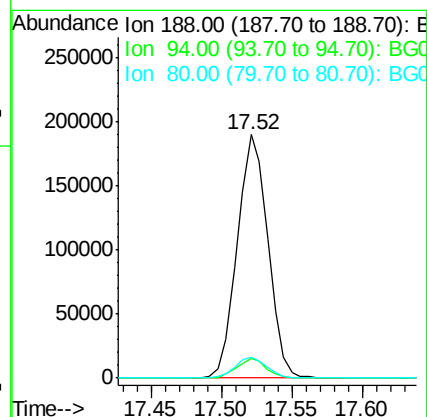
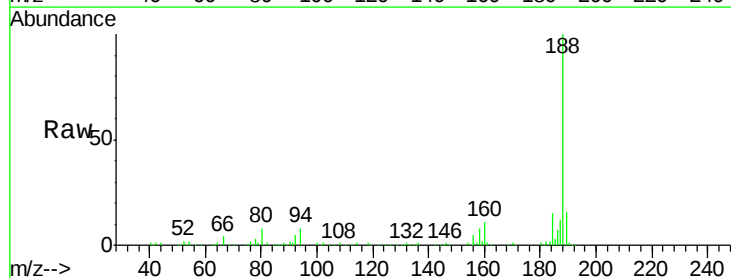
Instrument :
 BNA_G
 ClientSampleId :
 PB117829BL

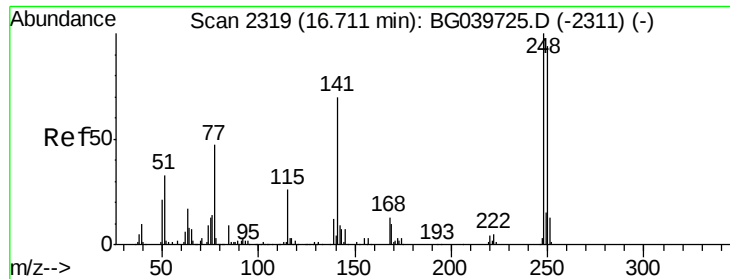
Tgt Ion:	165	Resp:	14151
Ion Ratio	Lower	Upper	
165	100		
63	0.0	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039879.D
 Acq: 12 Mar 2019 18:13

Tgt Ion:	188	Resp:	287503
Ion Ratio	Lower	Upper	
188	100		
94	8.3	6.9	10.3
80	8.4	8.1	12.1

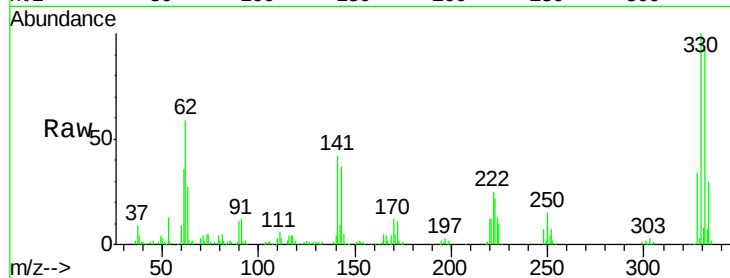




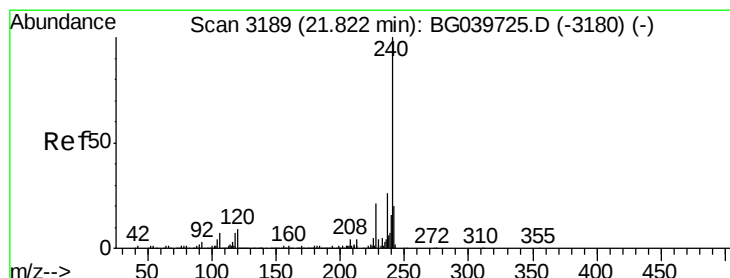
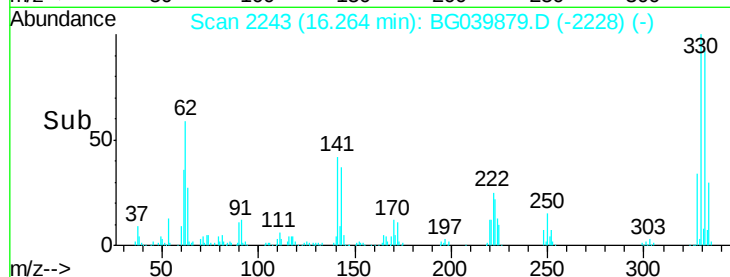
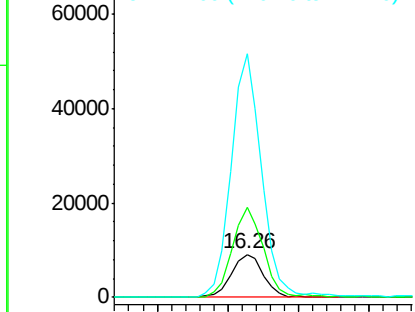
#67
4-Bromophenyl-phenylether
Concen: 4.491 ng
RT: 16.26 min Scan# 2243
Delta R.T. -0.44 min
Lab File: BG039879.D
Acq: 12 Mar 2019 18:13

Instrument :
BNA_G
ClientSampleId :
PB117829BL

Tgt Ion:248 Resp: 14454
Ion Ratio Lower Upper
248 100
250 210.5 77.6 116.4#
141 566.6 63.9 95.9#

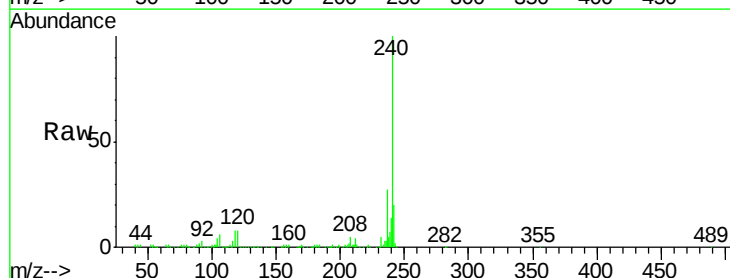


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

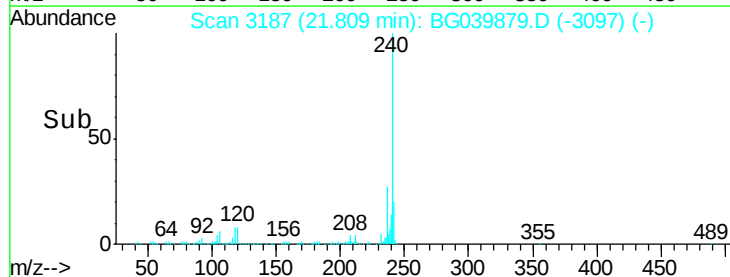
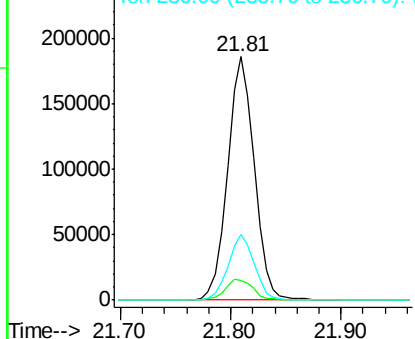


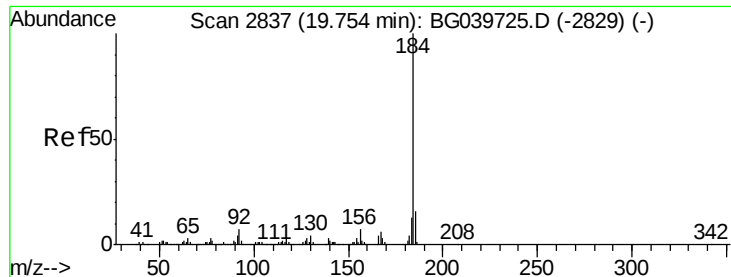
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.00 min
Lab File: BG039879.D
Acq: 12 Mar 2019 18:13

Tgt Ion:240 Resp: 314802
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 26.8 21.0 31.4



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: 2.117 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

Instrument :

BNA_G

ClientSampleId :

PB117829BL

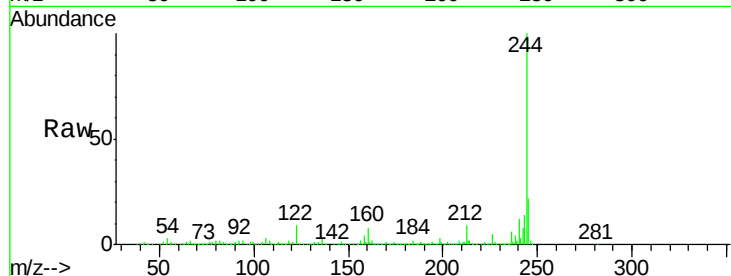
Tgt Ion:184 Resp: 21145

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.2

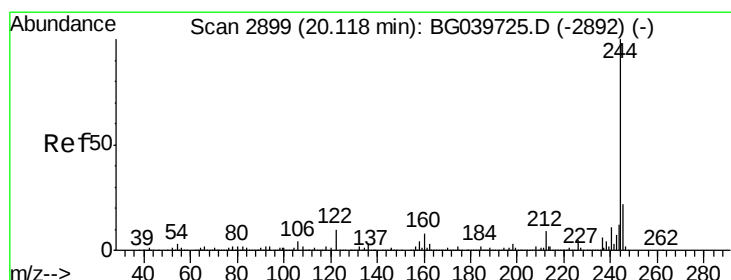
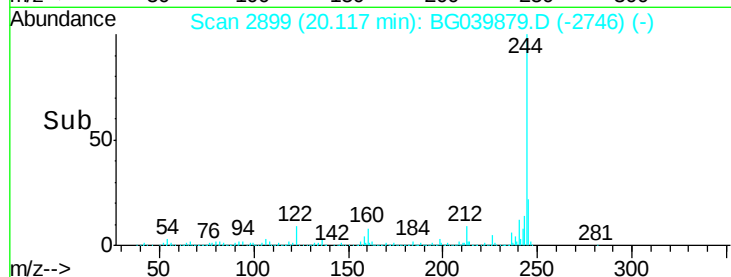
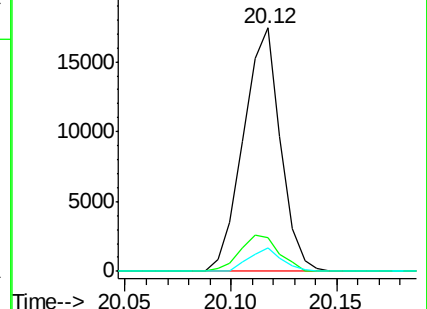
183 9.7 10.6 15.8#



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: 85.966 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG039879.D

Acq: 12 Mar 2019 18:13

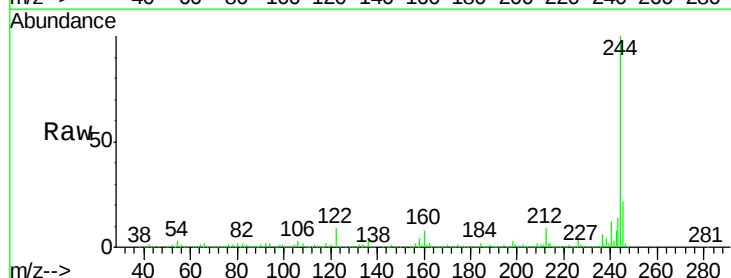
Tgt Ion:244 Resp: 1229090

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

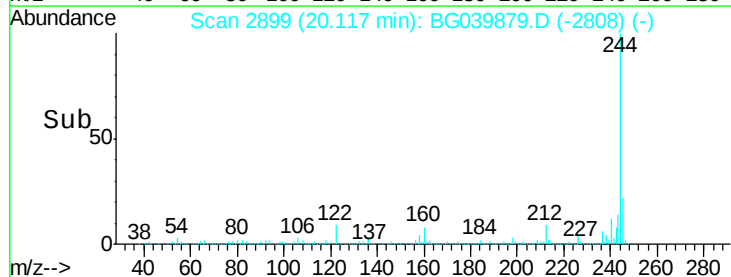
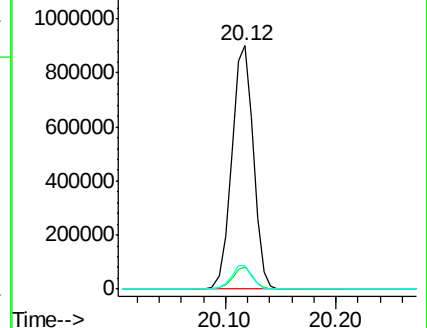
122 9.4 8.4 12.6

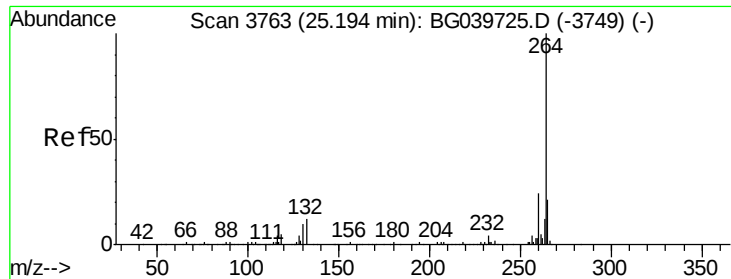


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.18 min Scan# 3761
Delta R.T. -0.00 min
Lab File: BG039879.D
Acq: 12 Mar 2019 18:13

Instrument :
BNA_G
ClientSampleId :
PB117829BL

Tgt Ion: 264 Resp: 300683

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.2	27.4
265	21.2	18.5	27.7

