

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040643.D
 Acq On : 27 Apr 2019 1:02
 Operator : JU/SJ
 Sample : PB119239TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119239TB

Quant Time: Apr 27 02:05:40 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

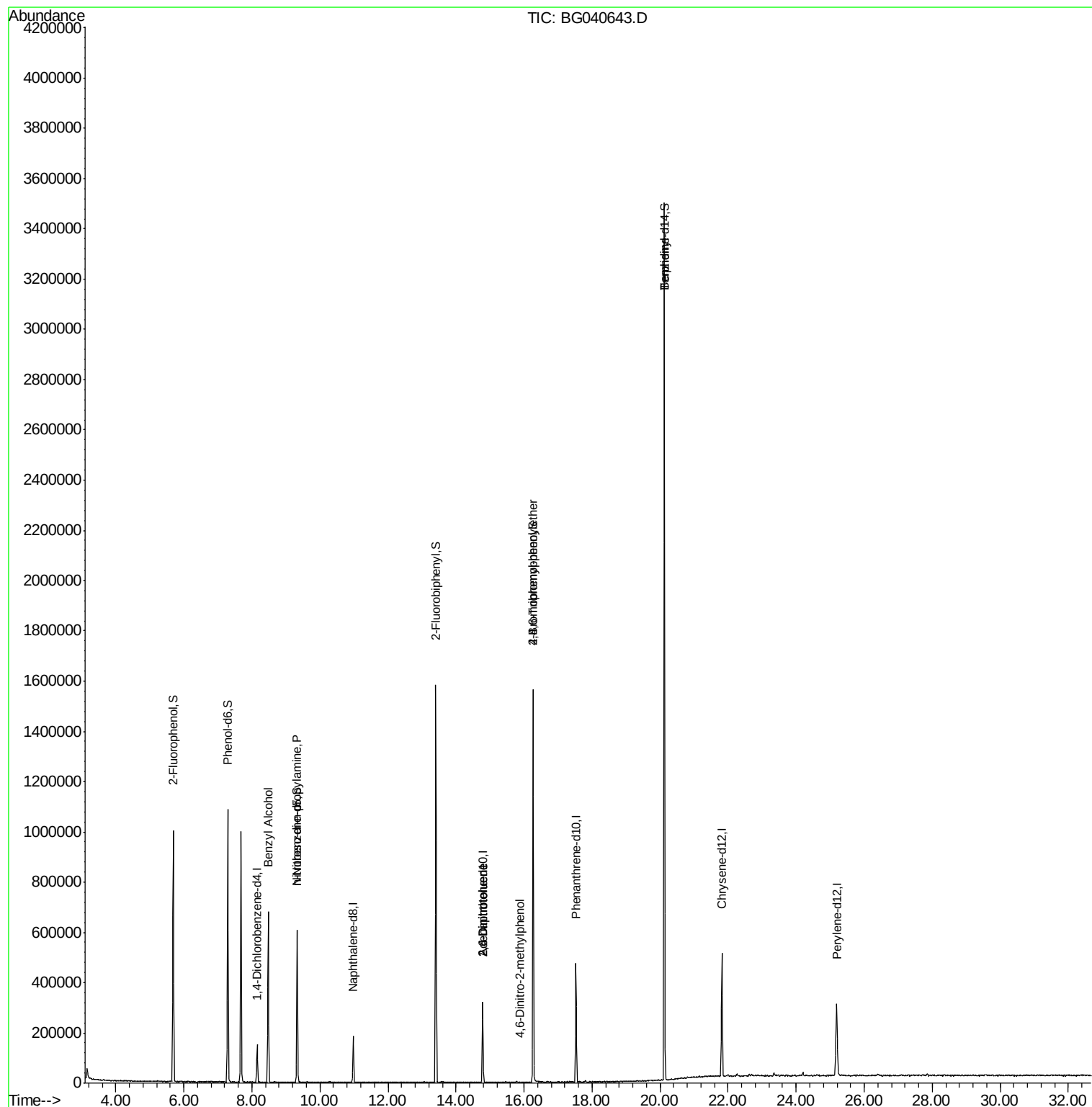
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	35006	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	141124	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	100686	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	282830	20.00	ng	0.00
76) Chrysene-d12	21.82	240	297669	20.00	ng	0.00
87) Perylene-d12	25.19	264	312450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	345588	174.02	ng	0.00
7) Phenol-d6	7.29	99	507344	165.93	ng	0.00
23) Nitrobenzene-d5	9.33	82	351547	115.10	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	246426	178.06	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	739702	106.10	ng	0.00
79) Terphenyl-d14	20.13	244	1552901	115.58	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1139	Below Cal	Qvalue	# 6
15) Benzyl Alcohol	8.47	79	6879	2.162 ng	#	75
19) n-Nitroso-di-n-propylamine	9.33	70	50673	18.410 ng	#	77
51) 2,6-Dinitrotoluene	14.78	165	12605	7.667 ng	#	14
57) 2,4-Dinitrotoluene	14.78	165	12605	5.642 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.87	198	56	7.135 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	19058	5.409 ng	#	1
77) Benzidine	20.13	184	29375	3.604 ng		97

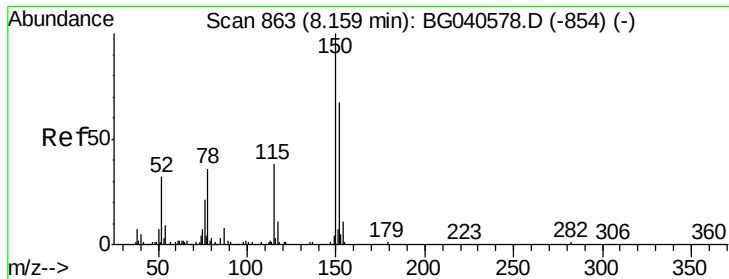
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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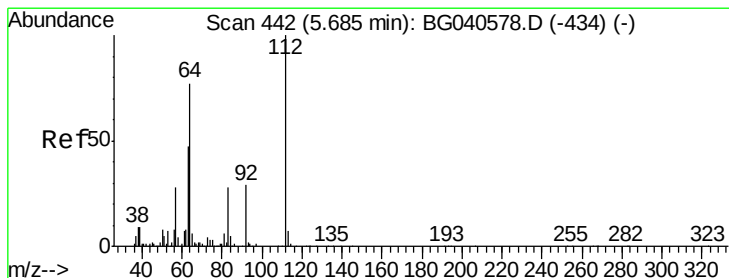
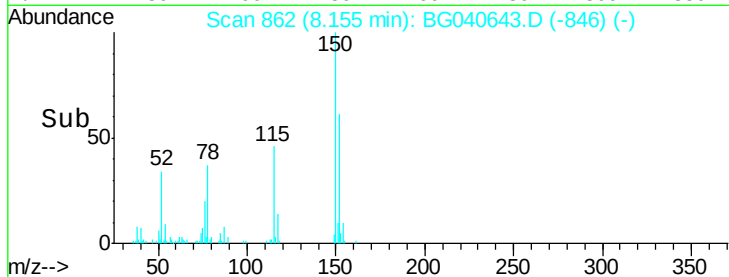
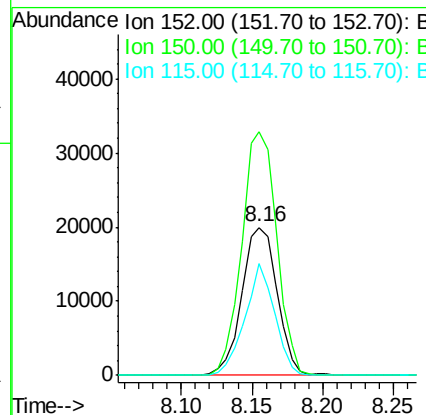
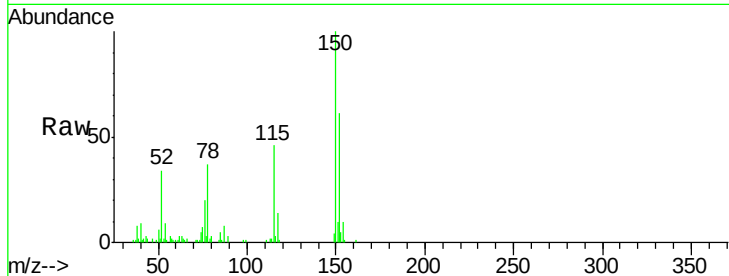


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040643.D
Acq: 27 Apr 2019 1:02

Instrument :
BNA_G
ClientSampleId :
PB119239TB

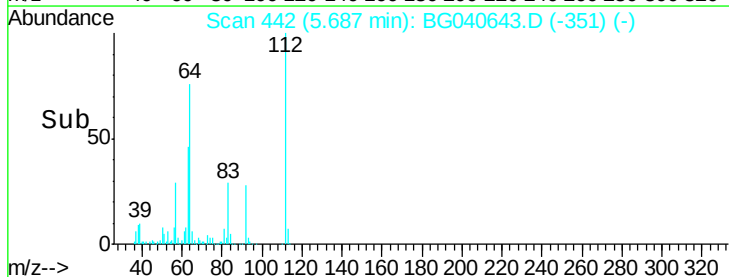
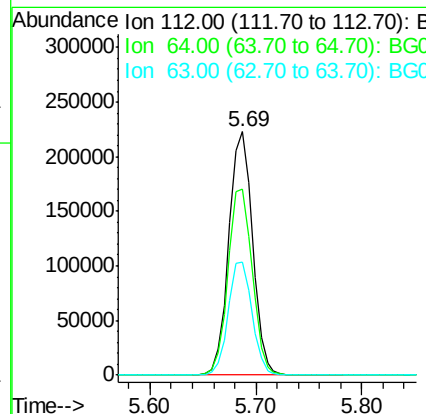
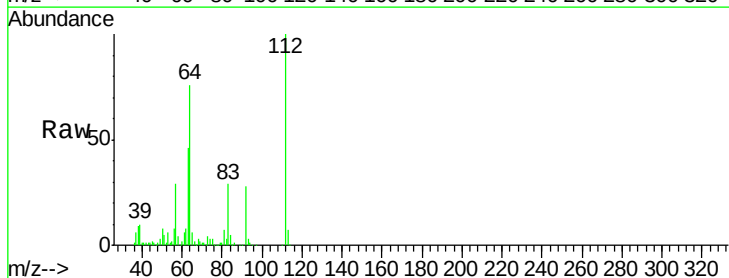
Tot Ion	152	Resp	35006
Ion	Ratio	Lower	Upper
152	100		
150	164.6	120.2	180.2
115	75.3	46.2	69.2#

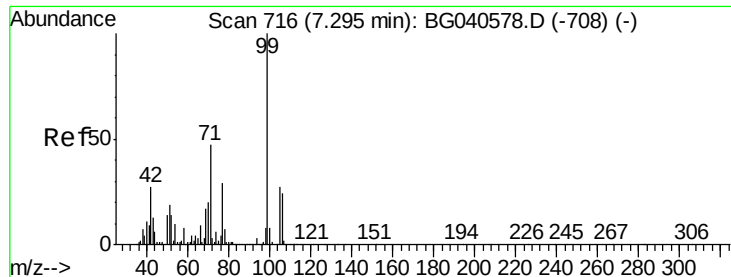


#5

2-Fluorophenol
Concen: 174.025 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040643.D
Acq: 27 Apr 2019 1:02

Tgt Ion	112	Resp	345588
Ion	Ratio	Lower	Upper
112	100		
64	76.5	61.4	92.0
63	46.2	37.8	56.6





#7

Phenol-d6

Concen: 165.926 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

Instrument :

BNA_G

ClientSampleId :

PB119239TB

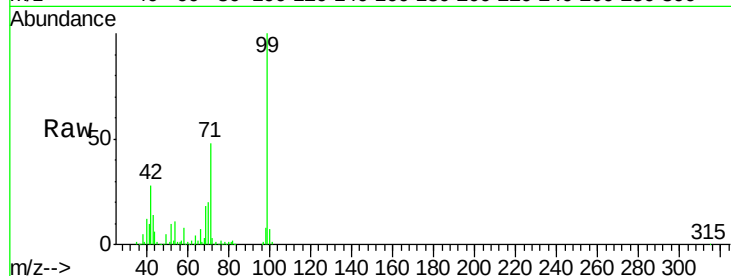
Tot Ion: 99 Resp: 507344

Ion Ratio Lower Upper

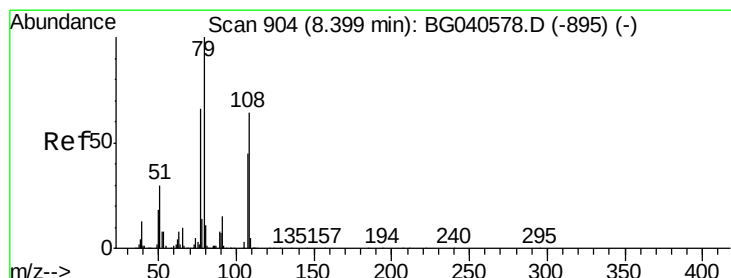
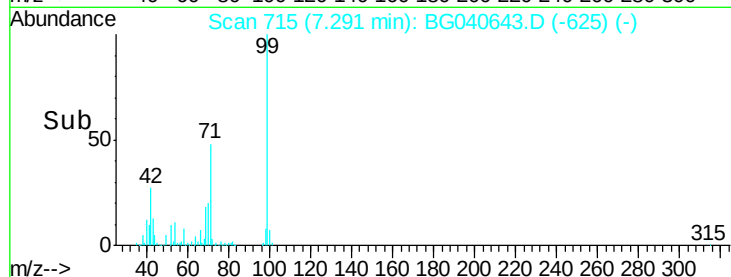
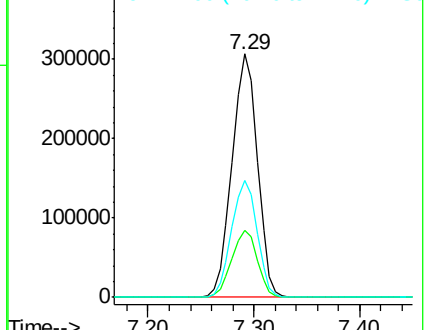
99 100

42 27.5 21.8 32.8

71 48.2 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



#15

Benzyl Alcohol

Concen: 2.162 ng

RT: 8.47 min Scan# 916

Delta R.T. 0.07 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

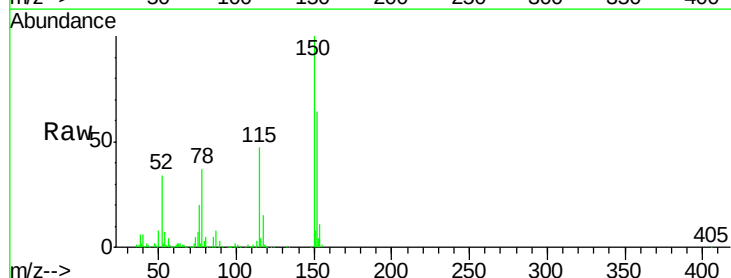
Tgt Ion: 79 Resp: 6879

Ion Ratio Lower Upper

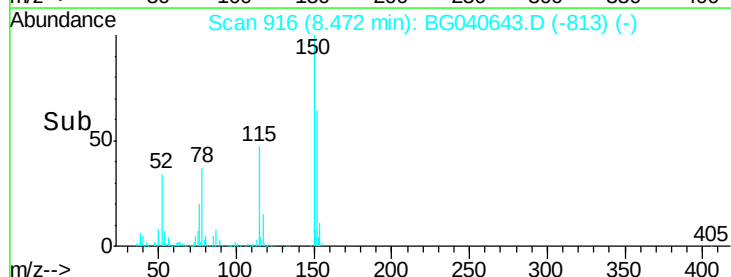
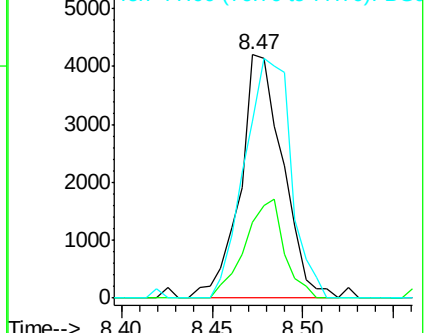
79 100

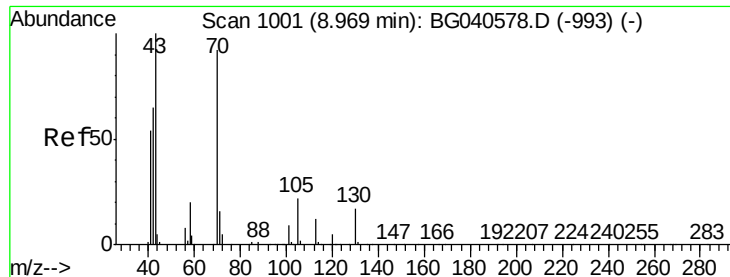
108 31.4 51.4 77.0#

77 72.8 52.6 79.0



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

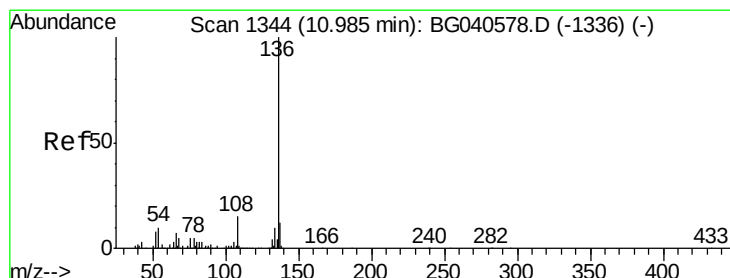
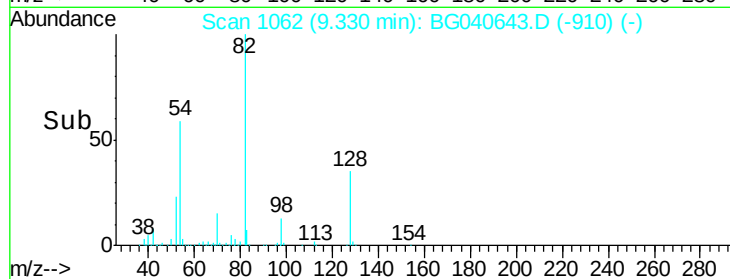
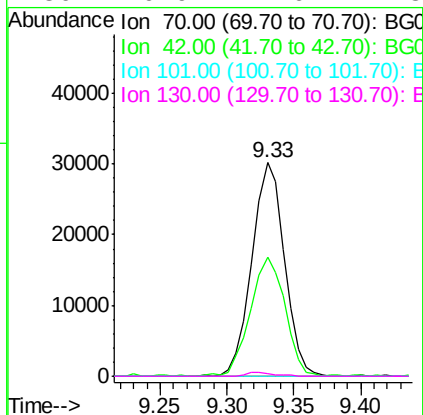
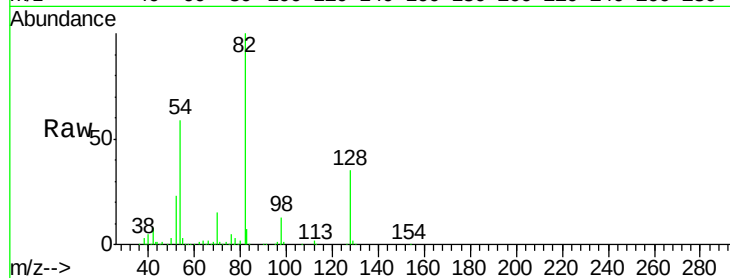




#19
n-Nitroso-di-n-propylamine
Concen: 18.410 ng
RT: 9.33 min Scan# 1062
Delta R.T. 0.36 min
Lab File: BG040643.D
Acq: 27 Apr 2019 1:02

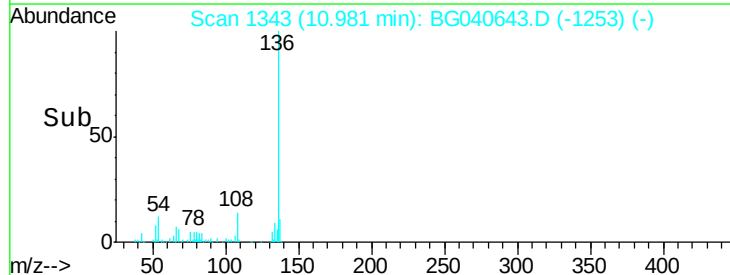
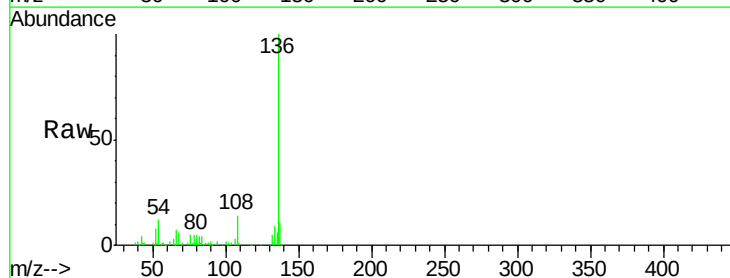
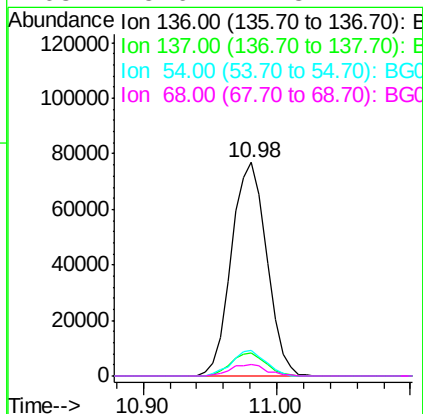
Instrument :
BNA_G
ClientSampleId :
PB119239TB

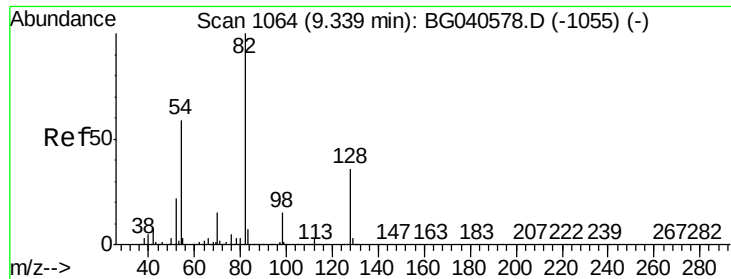
Tot Ion: 70 Resp: 50673
Ion Ratio Lower Upper
70 100
42 55.6 57.1 85.7#
101 0.0 7.8 11.8#
130 0.9 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040643.D
Acq: 27 Apr 2019 1:02

Tgt Ion: 136 Resp: 141124
Ion Ratio Lower Upper
136 100
137 11.1 9.7 14.5
54 12.1 8.6 12.8
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 115.102 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.01 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

Instrument :

BNA_G

ClientSampleId :

PB119239TB

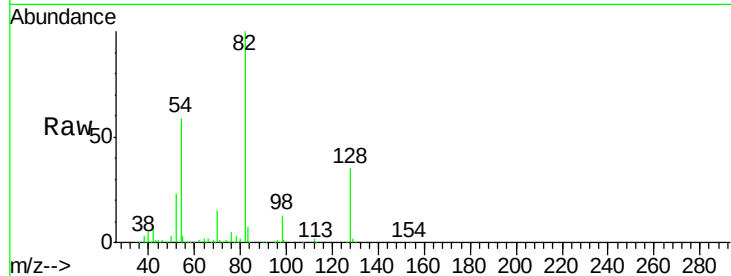
Tot Ion: 82 Resp: 351547

Ion Ratio Lower Upper

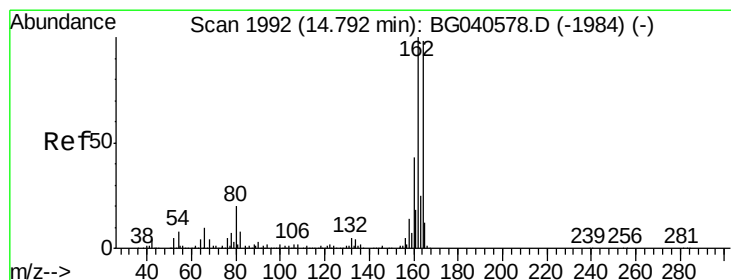
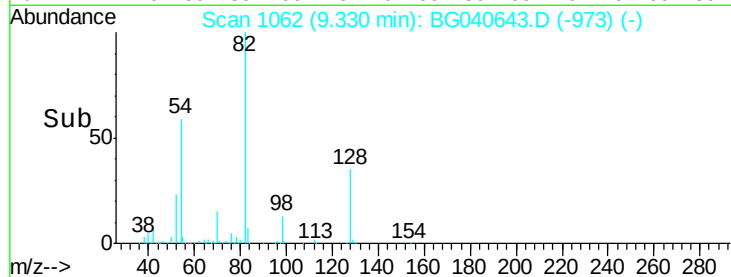
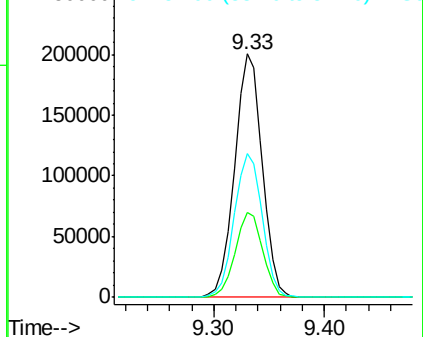
82 100

128 34.8 28.9 43.3

54 58.9 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: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

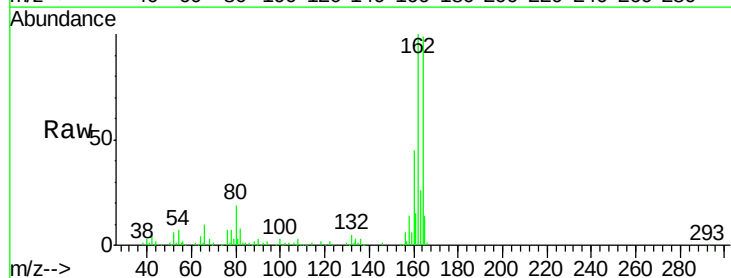
Tgt Ion:164 Resp: 100686

Ion Ratio Lower Upper

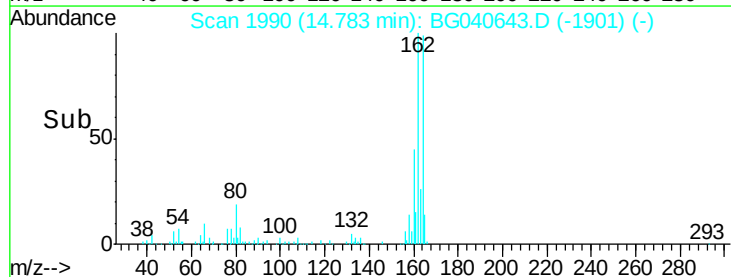
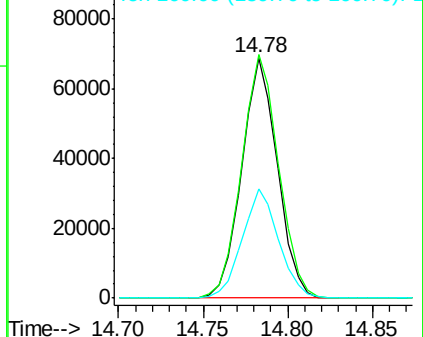
164 100

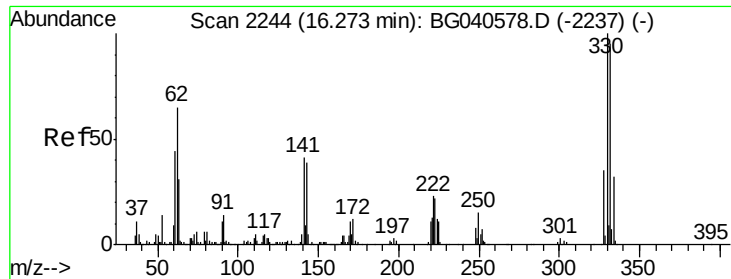
162 101.3 81.9 122.9

160 45.5 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

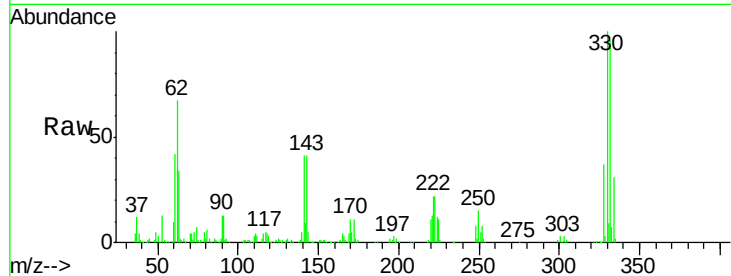




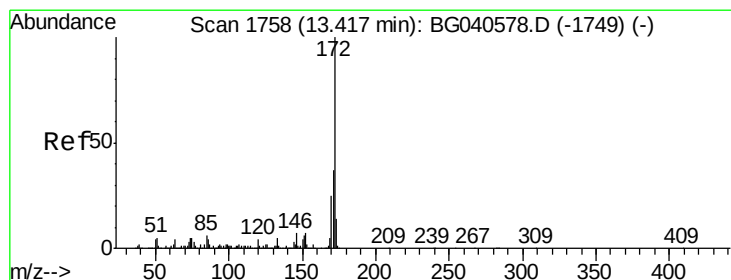
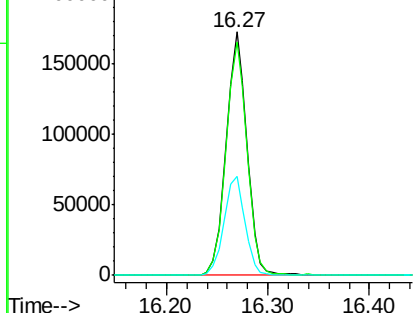
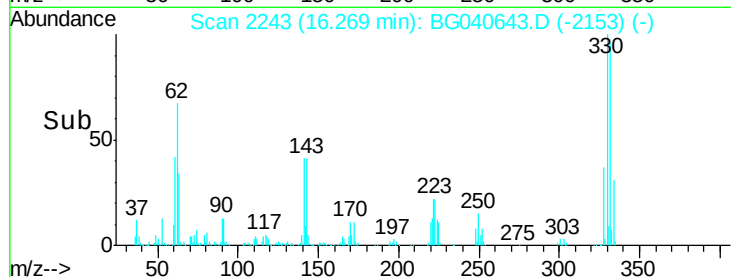
#42
 2,4,6-Tribromophenol
 Concen: 178.060 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Instrument :
 BNA_G
 ClientSampleId :
 PB119239TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.9	113.9
141	41.1	32.4	48.6

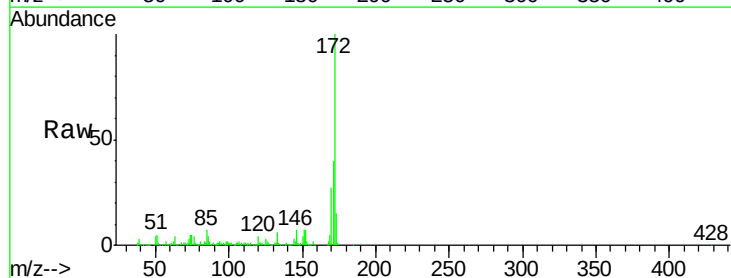


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

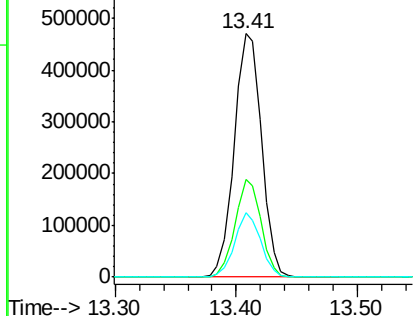
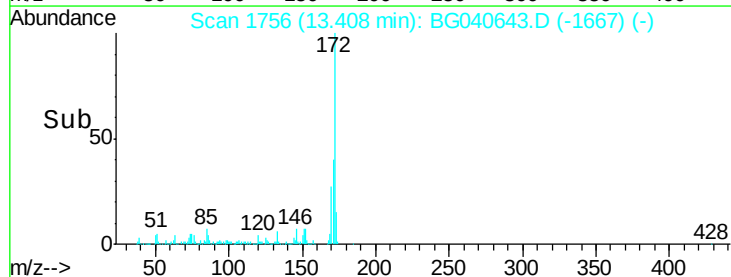


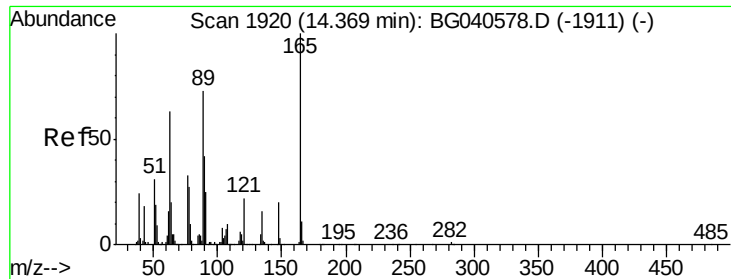
#45
 2-Fluorobiphenyl
 Concen: 106.100 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.3	29.4	44.2
170	26.7	19.9	29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

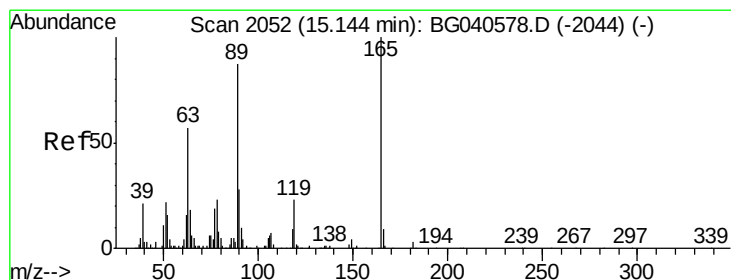
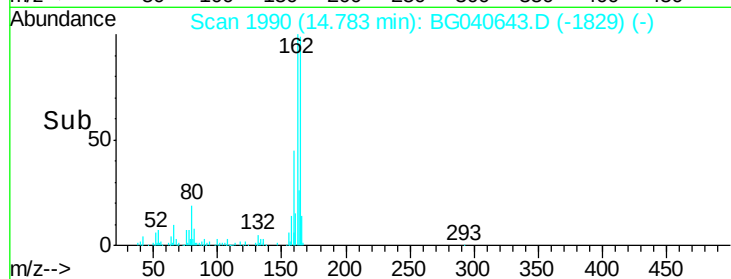
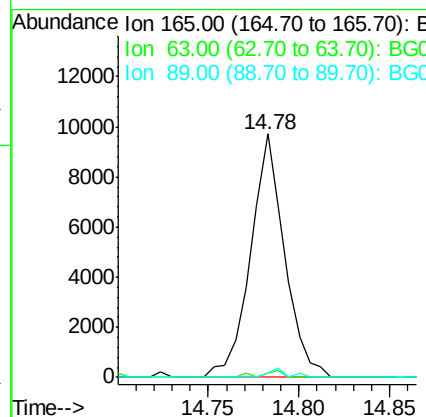
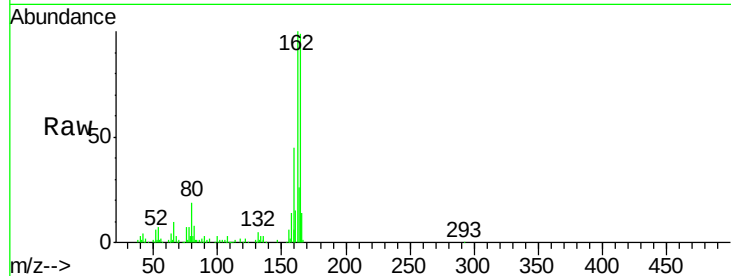




#51
 2,6-Dinitrotoluene
 Concen: 7.667 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

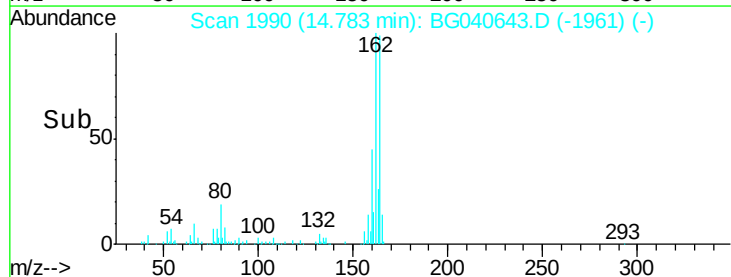
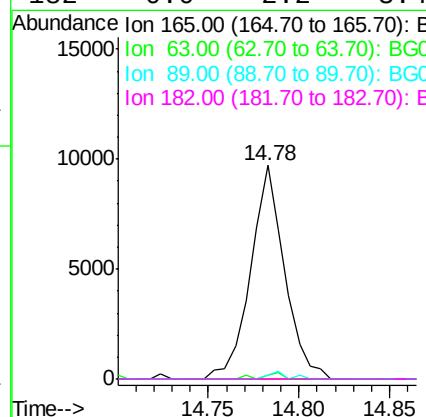
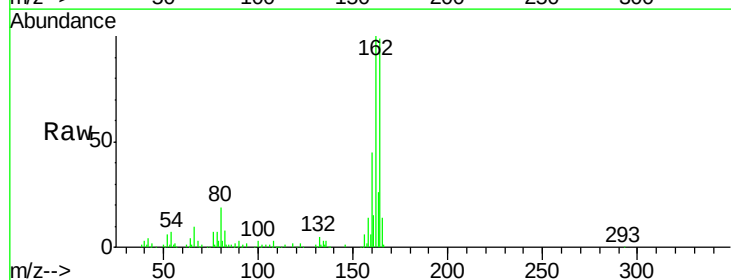
Instrument :
 BNA_G
 ClientSampleId :
 PB119239TB

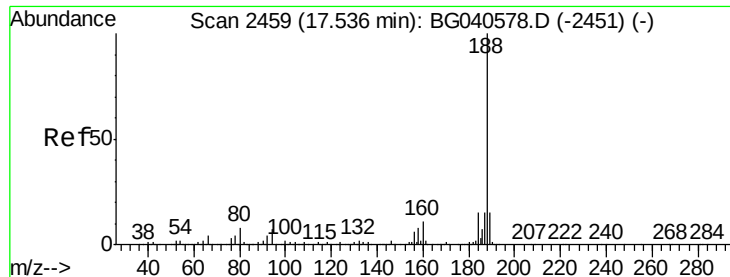
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	1.6	58.6	87.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.642 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.36 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.8	68.8#
89	1.6	69.4	104.2#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

Instrument :

BNA_G

ClientSampleId :

PB119239TB

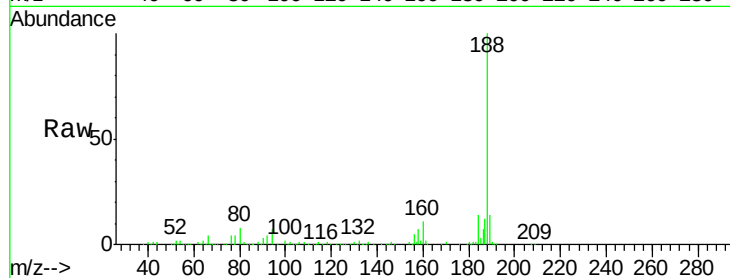
Tot Ion:188 Resp: 282830

Ion Ratio Lower Upper

188 100

94 7.2 5.6 8.4

80 7.9 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

250000

200000

150000

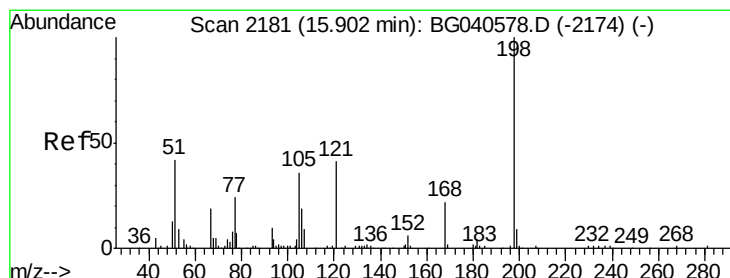
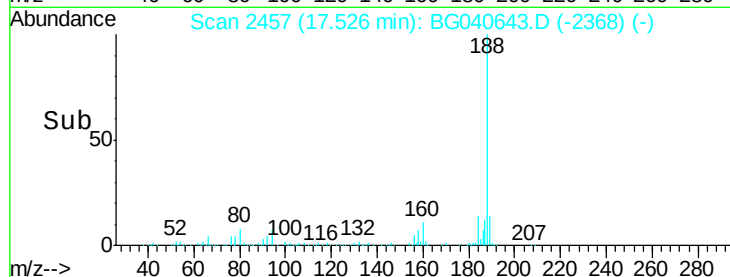
100000

50000

0

17.45 17.50 17.55 17.60

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.135 ng

RT: 15.87 min Scan# 2175

Delta R.T. -0.03 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

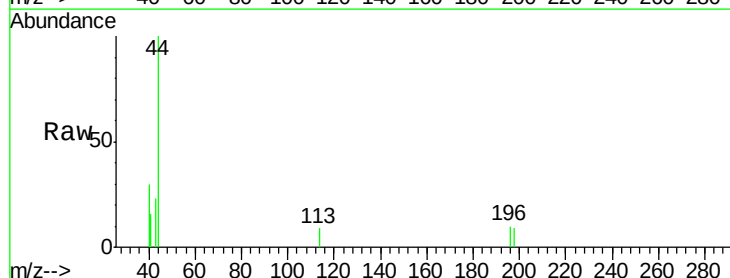
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

105 0.0 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

200

150

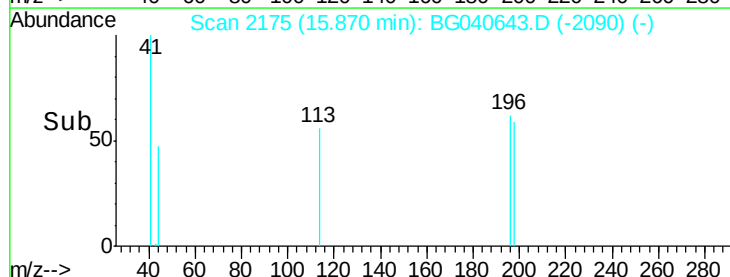
100

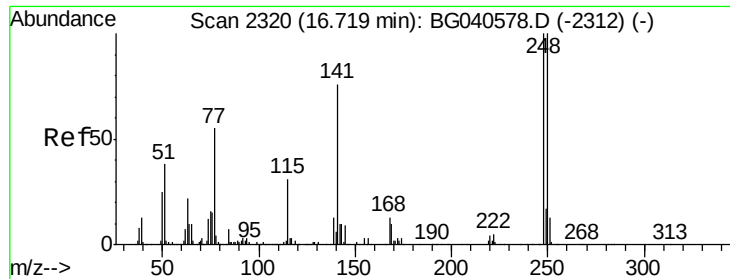
50

0

15.86 15.87 15.88

Time-->

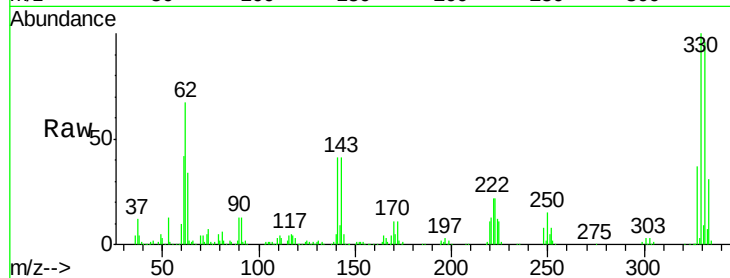




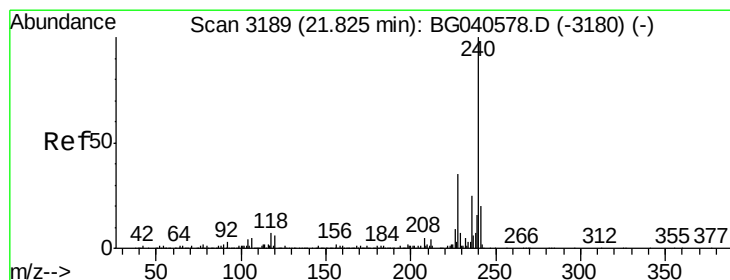
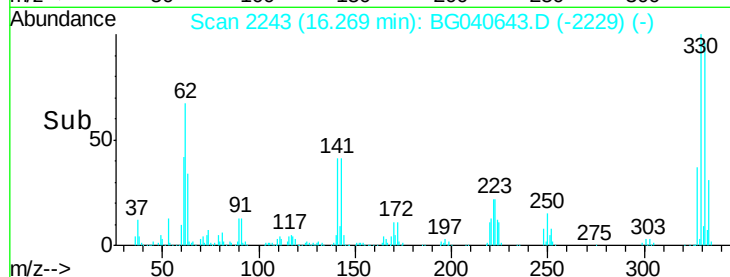
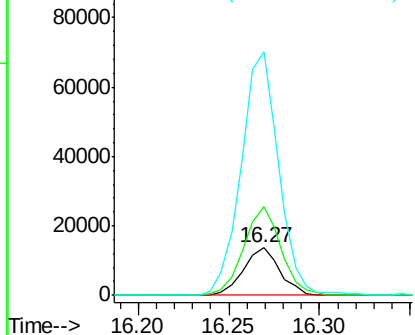
#67
 4-Bromophenyl-phenylether
 Concen: 5.409 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Instrument :
 BNA_G
 ClientSampleId :
 PB119239TB

Tot Ion	Ratio	Lower	Upper
248	100		
250	188.4	79.8	119.6#
141	516.4	60.8	91.2#

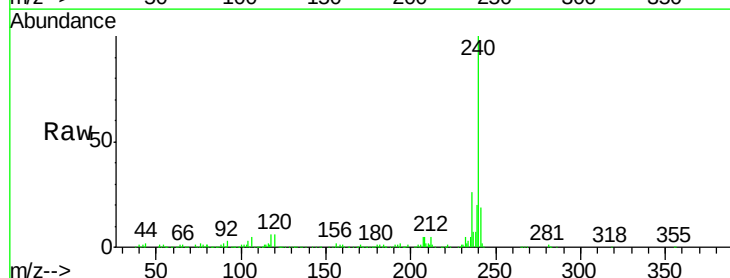


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

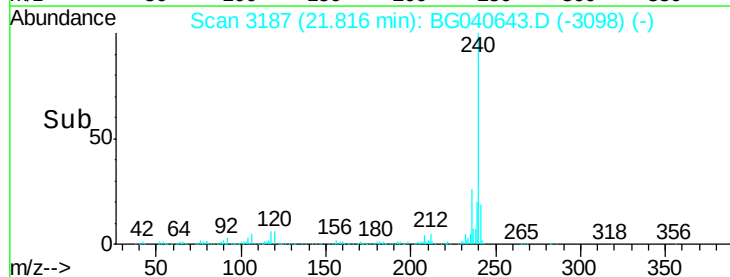
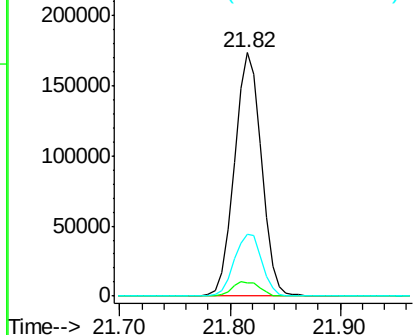


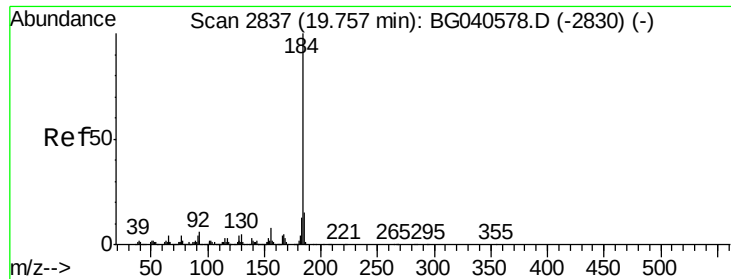
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3187
 Delta R.T. -0.01 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.0	7.6
236	25.5	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: 3.604 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

Instrument :

BNA_G

ClientSampleId :

PB119239TB

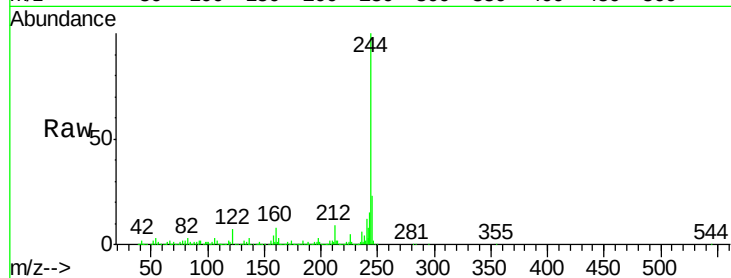
Tot Ion:184 Resp: 29375

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.8

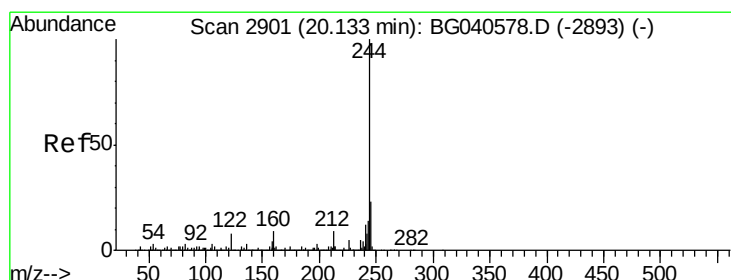
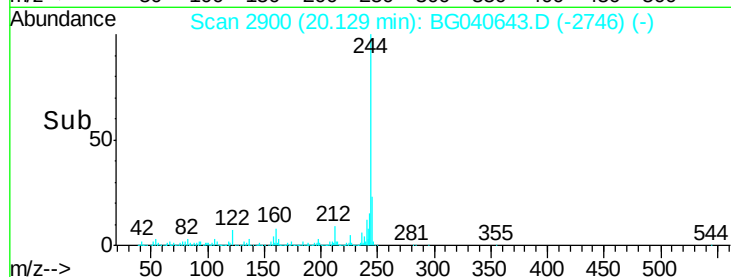
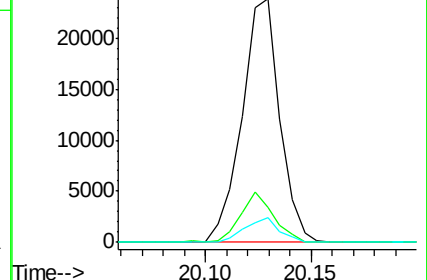
183 10.2 10.2 15.2



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: 115.576 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040643.D

Acq: 27 Apr 2019 1:02

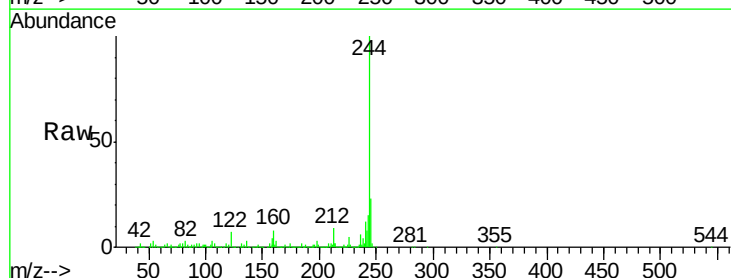
Tgt Ion:244 Resp: 1552901

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

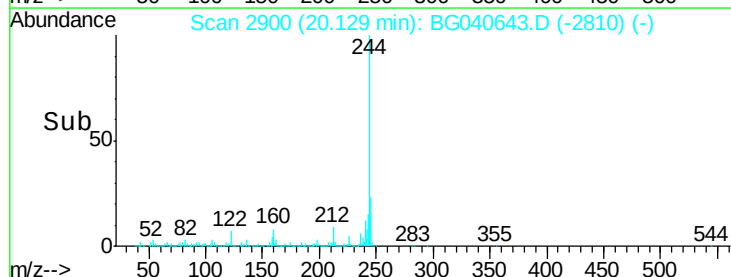
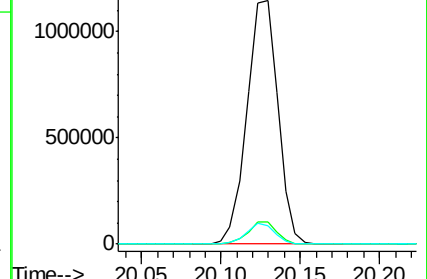
122 7.4 6.6 10.0

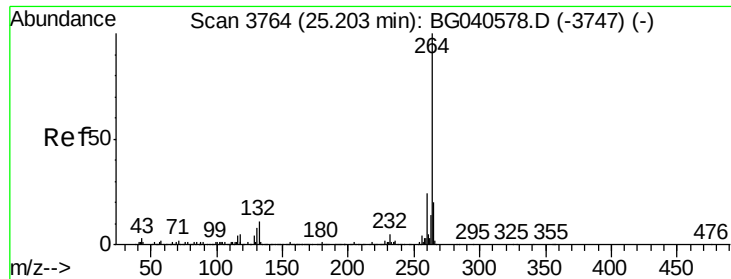


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

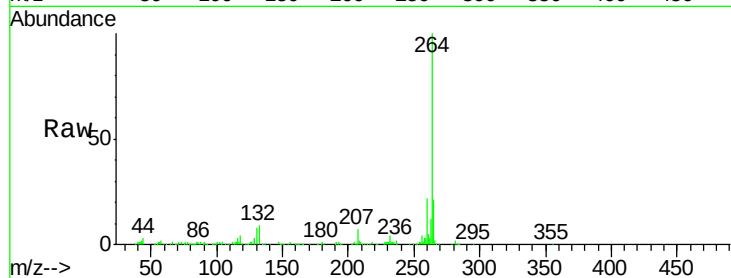




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3762
 Delta R.T. -0.01 min
 Lab File: BG040643.D
 Acq: 27 Apr 2019 1:02

Instrument :
 BNA_G
 ClientSampleId :
 PB119239TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	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

