

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040728.D
 Acq On : 3 May 2019 17:14
 Operator : JU/SJ
 Sample : PB119443TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB119443TB

Quant Time: May 03 23:17:19 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

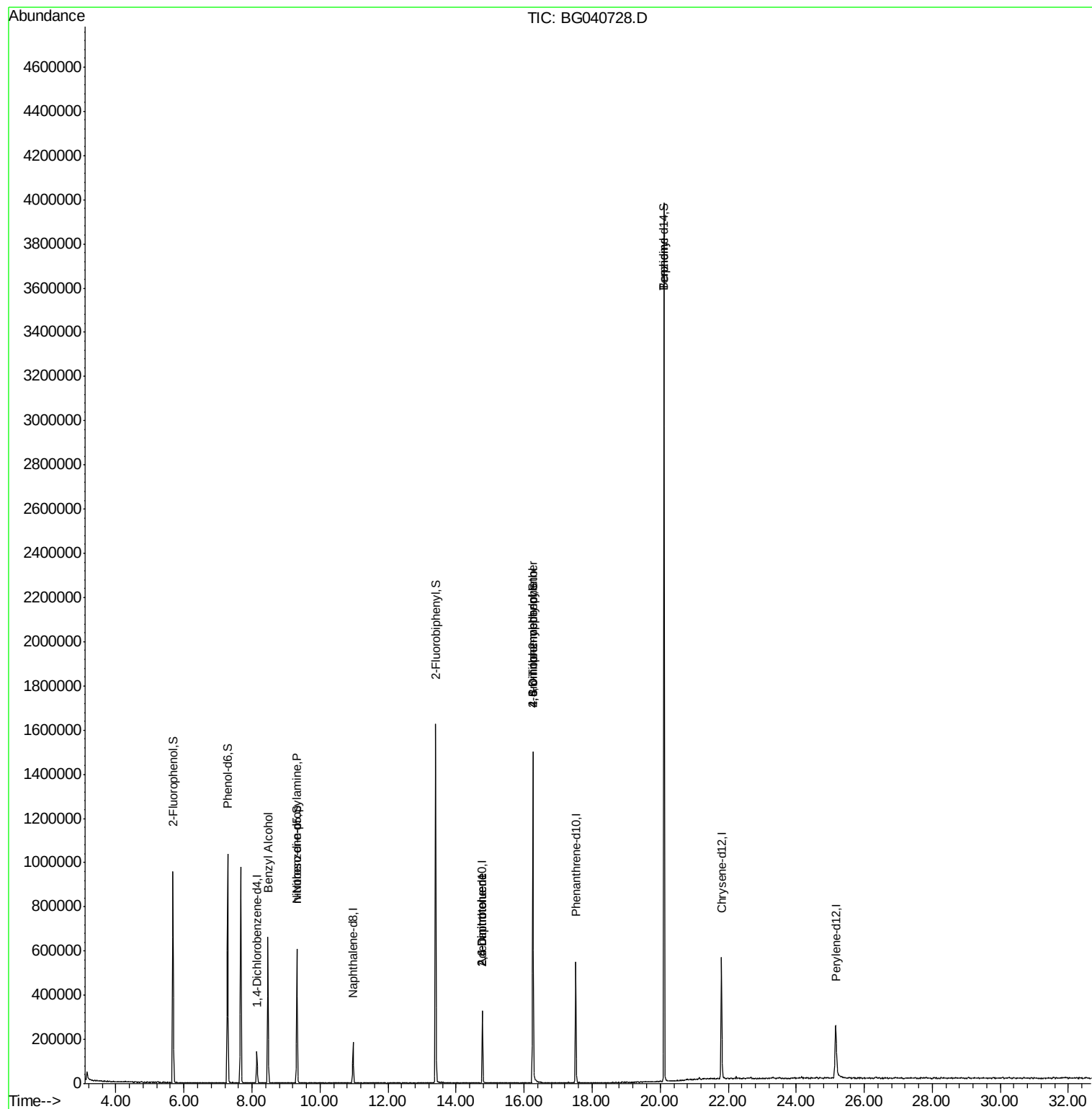
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	33858	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	144585	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	108752	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	316133	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	345231	20.00	ng	-0.02
87) Perylene-d12	25.16	264	317958	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	355127	184.89	ng	0.00
7) Phenol-d6	7.28	99	520075	175.86	ng	-0.01
23) Nitrobenzene-d5	9.32	82	354508	113.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	286642	191.76	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	800695	106.33	ng	-0.02
79) Terphenyl-d14	20.11	244	1742501	111.82	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1182	Below Cal	Qvalue	# 6
15) Benzyl Alcohol	8.46	79	6454	2.097 ng	#	59
19) n-Nitroso-di-n-propylamine	9.32	70	49936	18.758 ng	#	73
51) 2,6-Dinitrotoluene	14.77	165	12956	7.296 ng	#	16
57) 2,4-Dinitrotoluene	14.77	165	12956	5.369 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.26	198	1284	7.804 ng	#	18
67) 4-Bromophenyl-phenylether	16.26	248	20789	5.278 ng	#	1
77) Benzidine	20.11	184	33550	3.549 ng		97

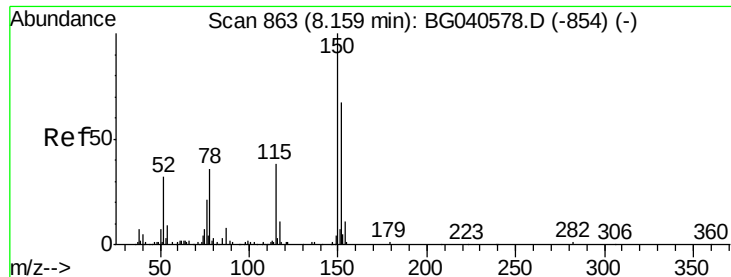
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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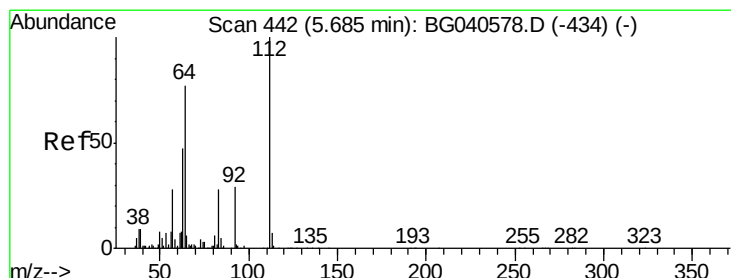
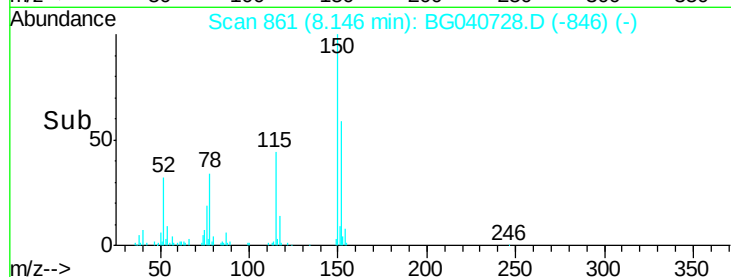
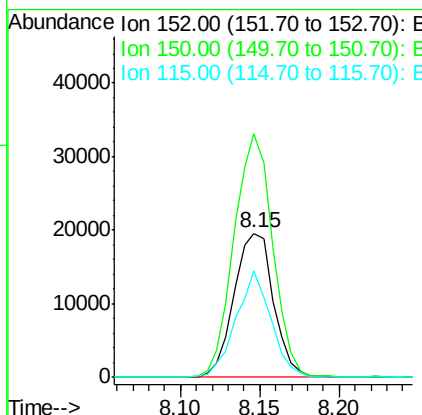
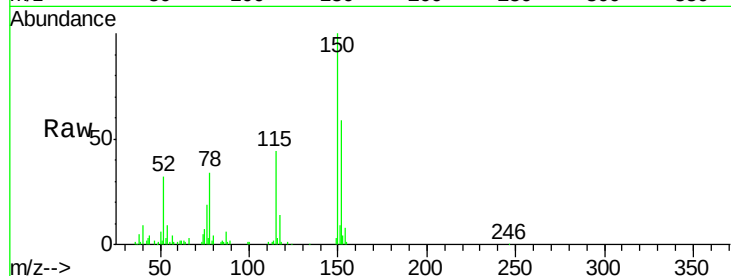


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040728.D
Acq: 3 May 2019 17:14

Instrument :
BNA_G
ClientSampleId :
PB119443TB

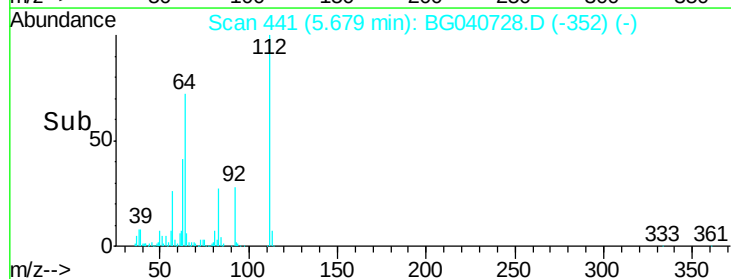
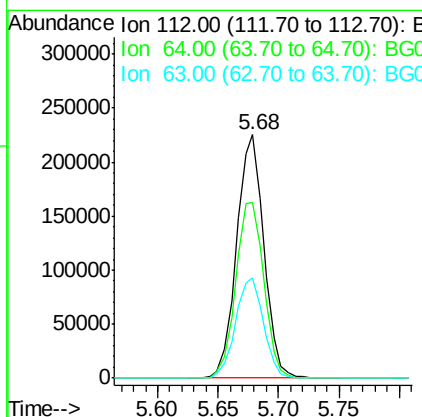
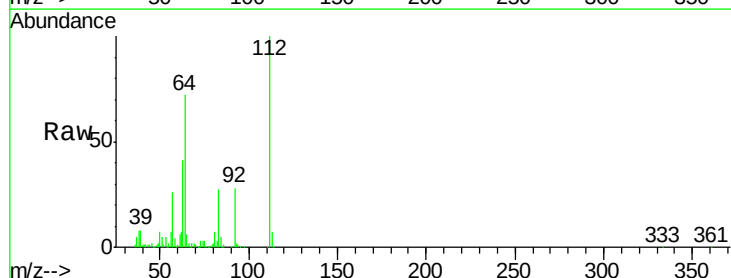
Tot Ion:152 Resp: 33858
Ion Ratio Lower Upper
152 100
150 168.6 120.2 180.2
115 73.9 46.2 69.2#

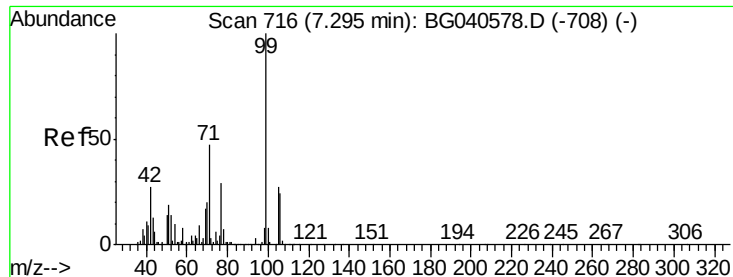


#5

2-Fluorophenol
Concen: 184.891 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040728.D
Acq: 3 May 2019 17:14

Tgt Ion:112 Resp: 355127
Ion Ratio Lower Upper
112 100
64 72.0 61.4 92.0
63 41.2 37.8 56.6





#7

Phenol-d6

Concen: 175.856 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

Instrument :

BNA_G

ClientSampleId :

PB119443TB

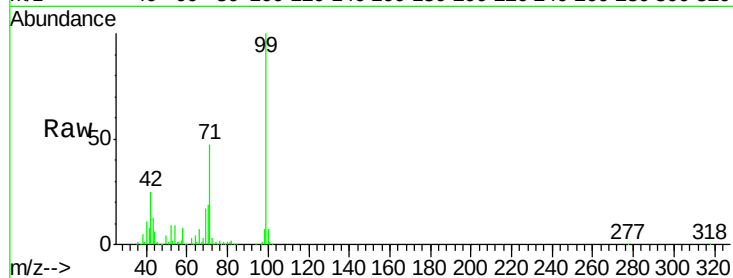
Tot Ion: 99 Resp: 520075

Ion Ratio Lower Upper

99 100

42 24.5 21.8 32.8

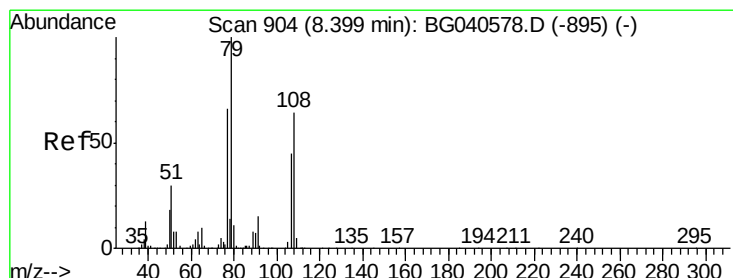
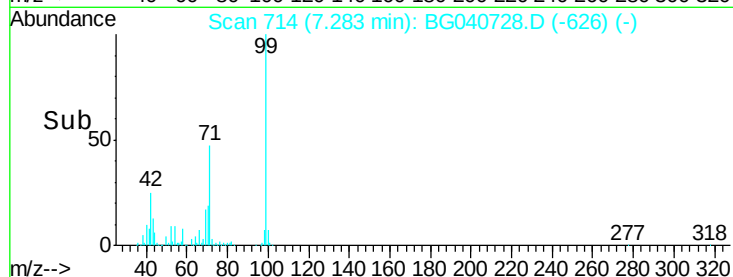
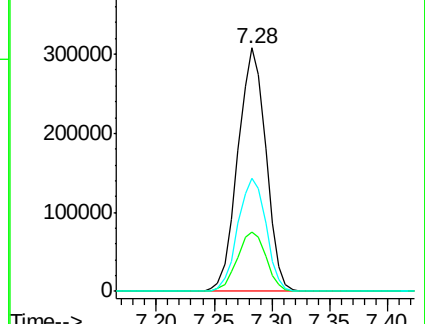
71 46.6 38.6 57.8



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: 2.097 ng

RT: 8.46 min Scan# 915

Delta R.T. 0.06 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

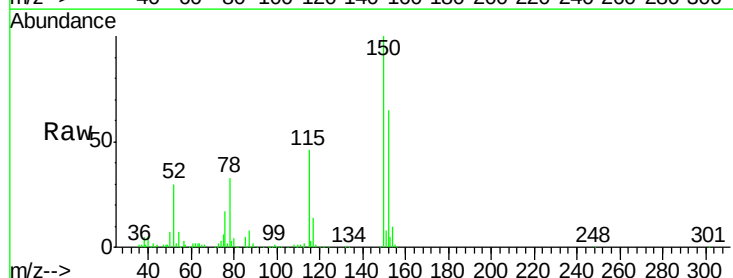
Tgt Ion: 79 Resp: 6454

Ion Ratio Lower Upper

79 100

108 26.3 51.4 77.0#

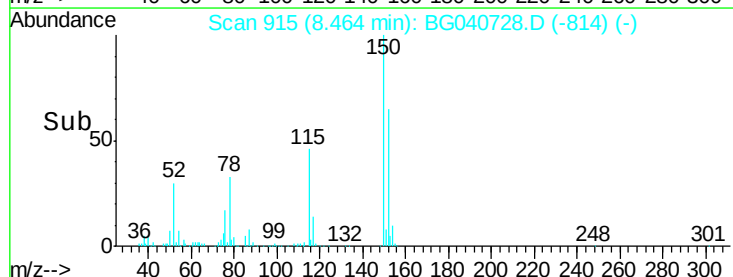
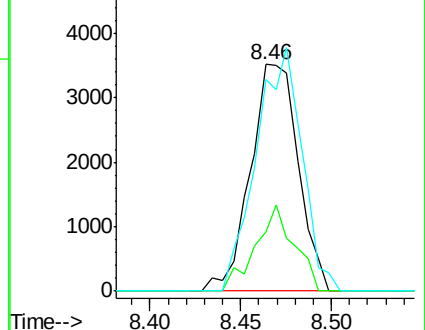
77 93.4 52.6 79.0#

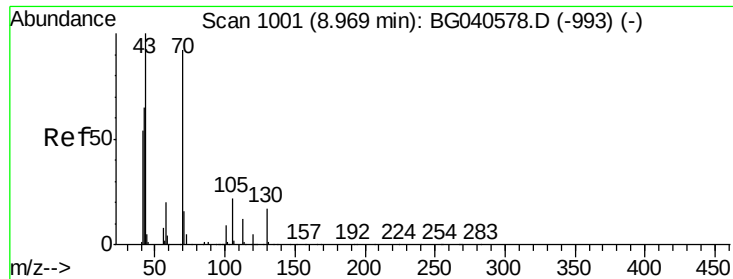


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

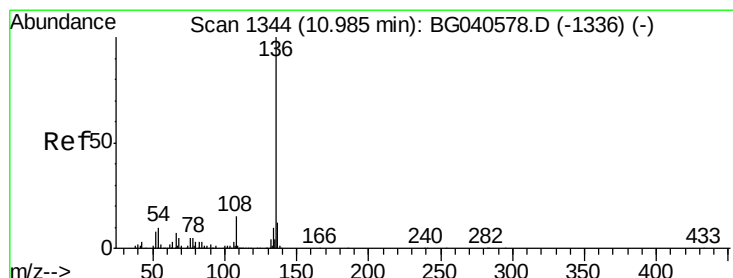
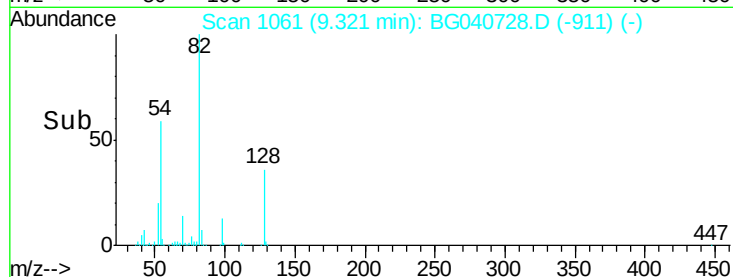
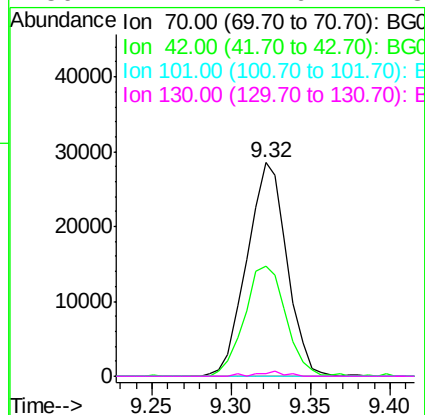
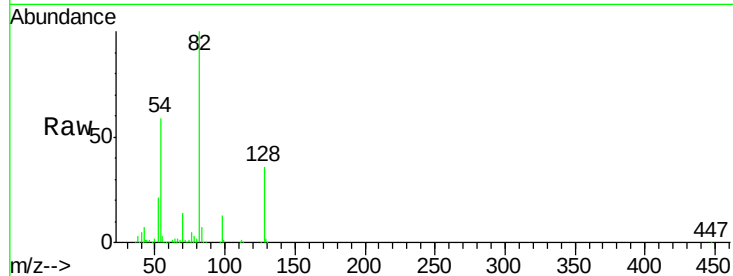




#19
n-Nitroso-di-n-propylamine
Concen: 18.758 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040728.D
Acq: 3 May 2019 17:14

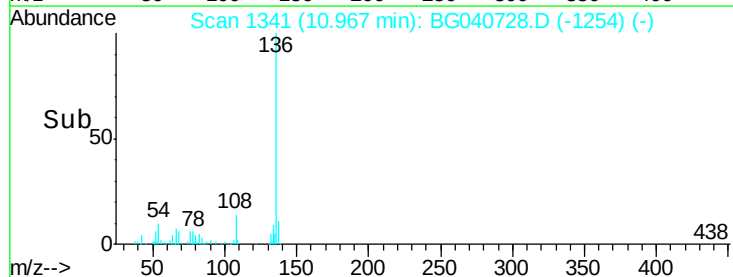
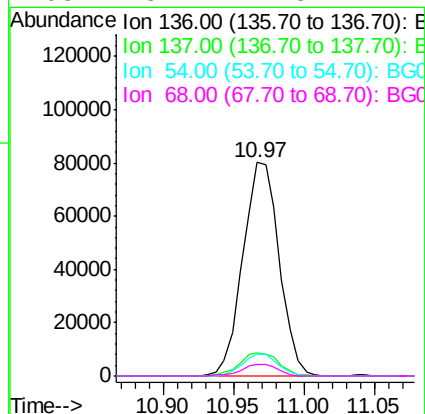
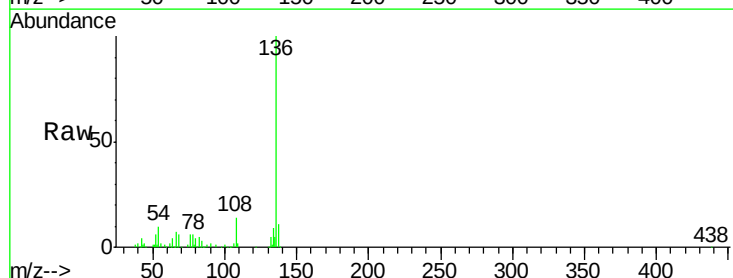
Instrument :
BNA_G
ClientSampleId :
PB119443TB

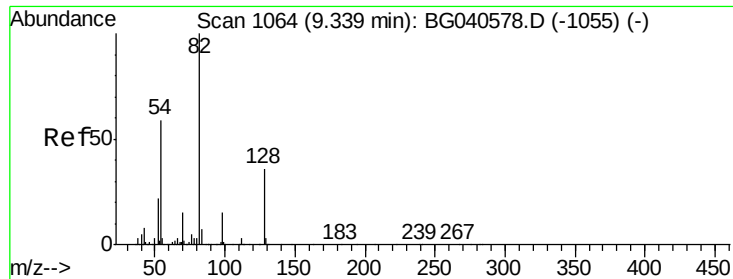
Tot Ion: 70 Resp: 49936
Ion Ratio Lower Upper
70 100
42 51.5 57.1 85.7#
101 0.0 7.8 11.8#
130 1.1 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040728.D
Acq: 3 May 2019 17:14

Tgt Ion:136 Resp: 144585
Ion Ratio Lower Upper
136 100
137 10.8 9.7 14.5
54 10.0 8.6 12.8
68 5.7 4.8 7.2

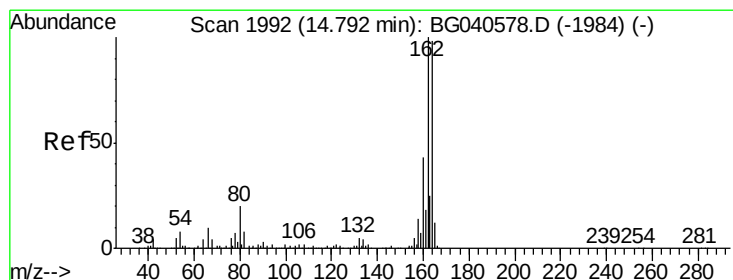
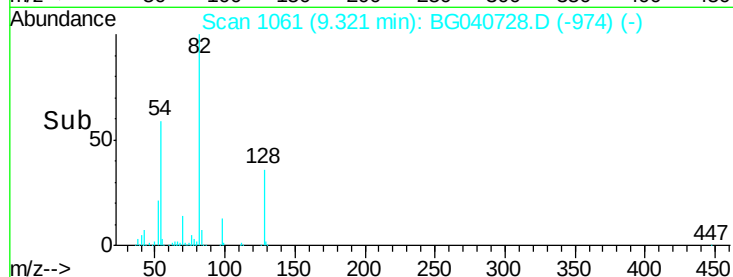
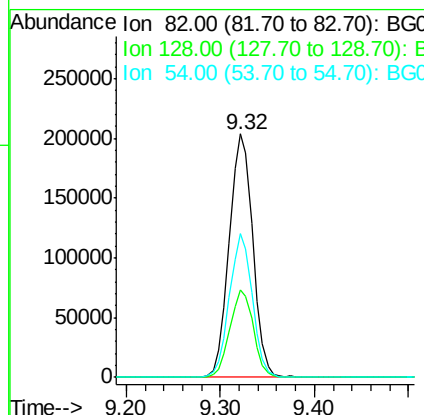
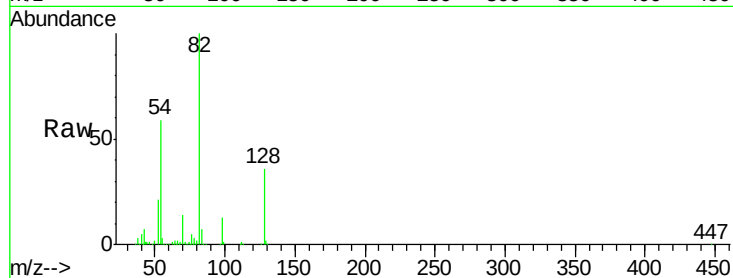




#23
 Nitrobenzene-d5
 Concen: 113.293 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

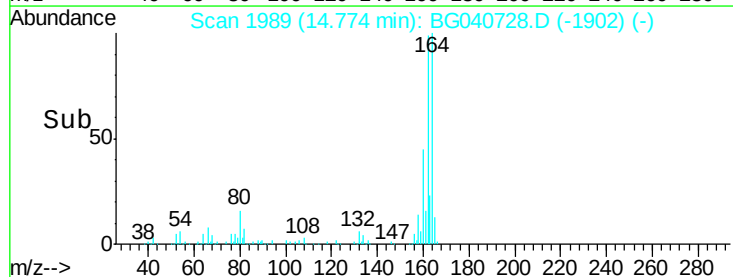
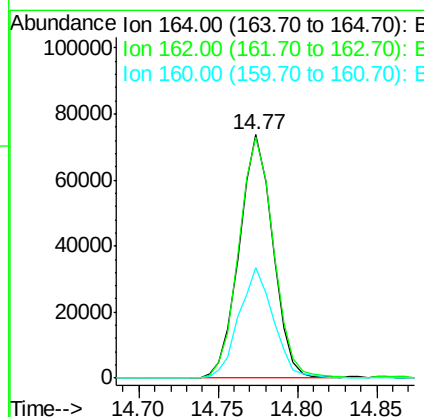
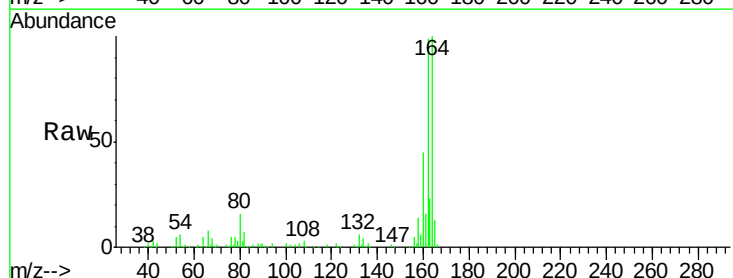
Instrument :
 BNA_G
 ClientSampleID :
 PB119443TB

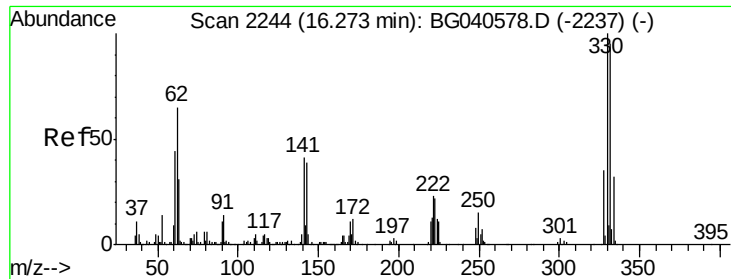
Tot Ion	82	Resp	354508
Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.9	43.3
54	59.3	47.2	70.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

Tgt Ion	164	Resp	108752
Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.9	122.9
160	45.3	35.4	53.2

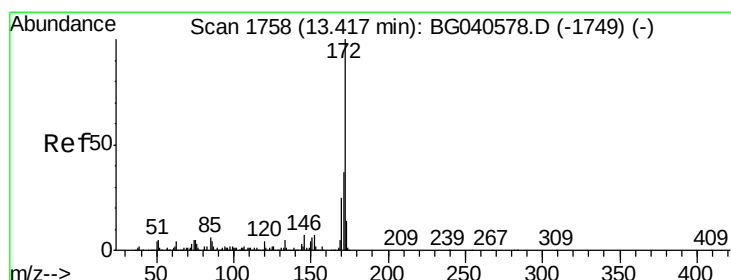
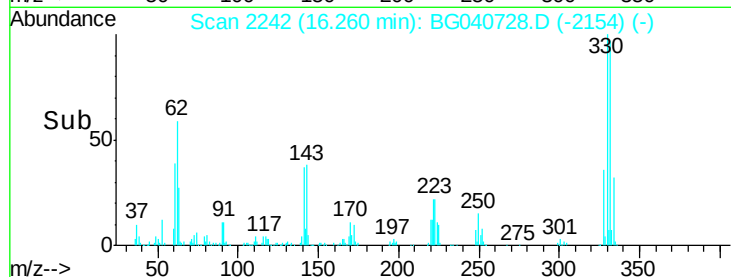
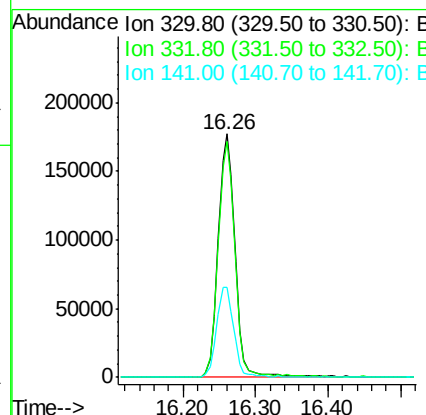
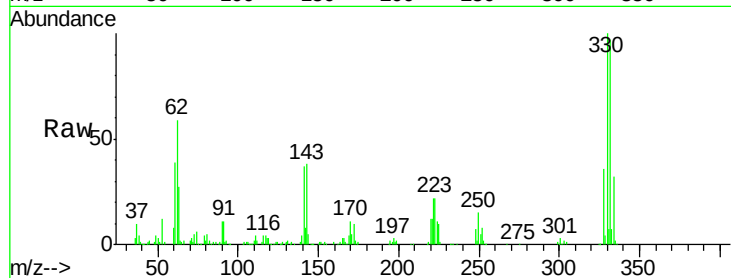




#42
 2,4,6-Tribromophenol
 Concen: 191.757 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

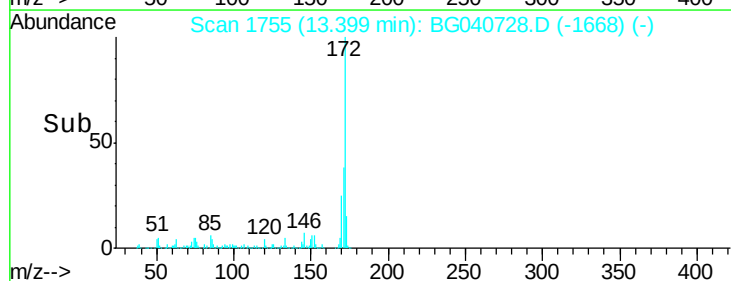
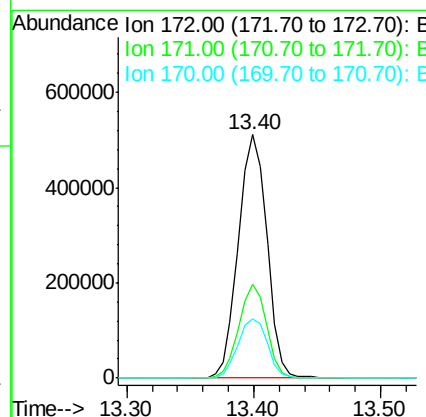
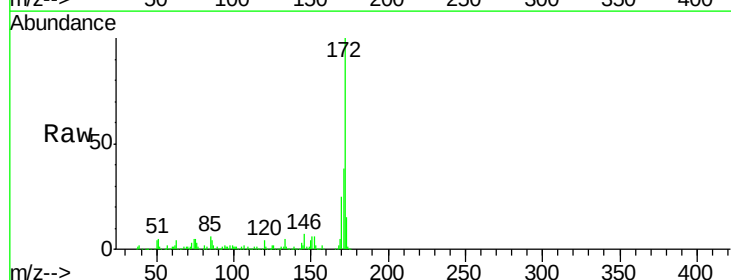
Instrument :
 BNA_G
 ClientSampleId :
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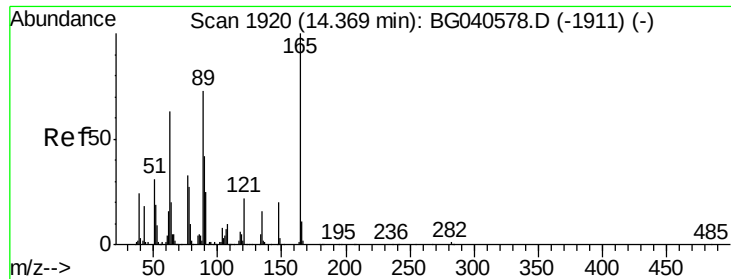
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	75.9	113.9
141	37.8	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 106.330 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	24.6	19.9	29.9

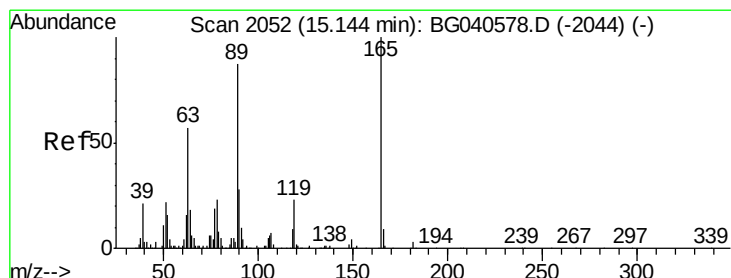
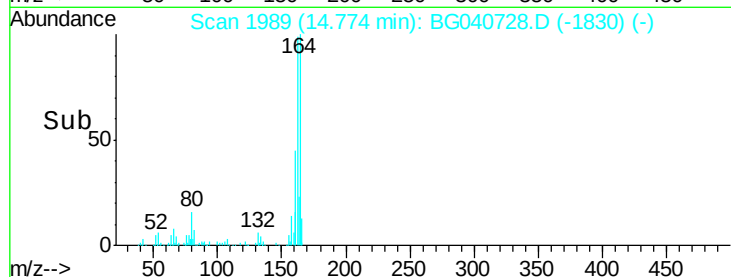
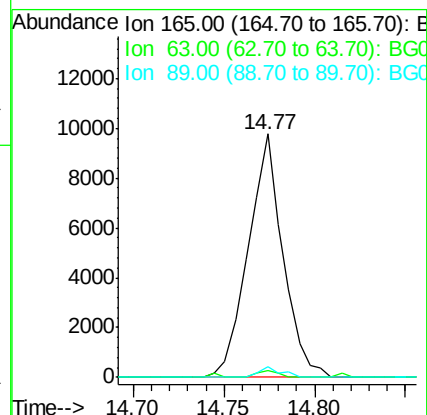
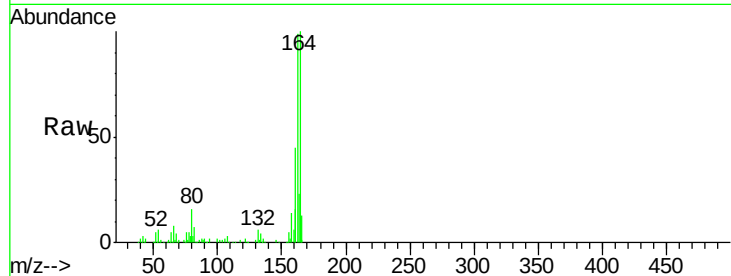




#51
 2,6-Dinitrotoluene
 Concen: 7.296 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

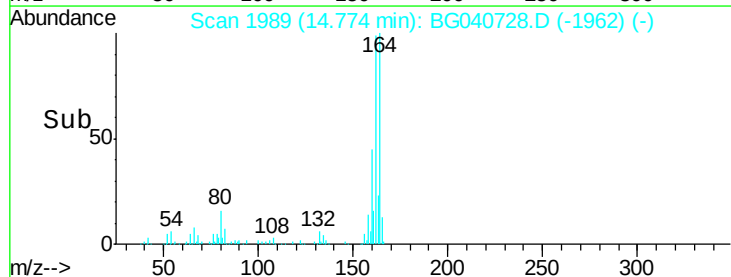
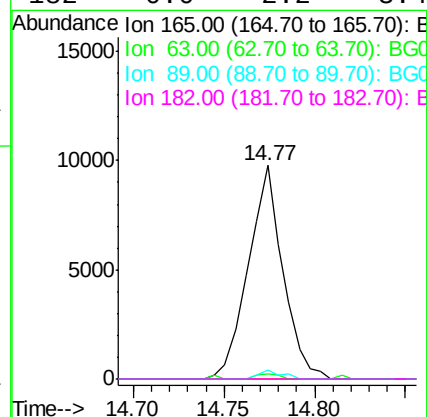
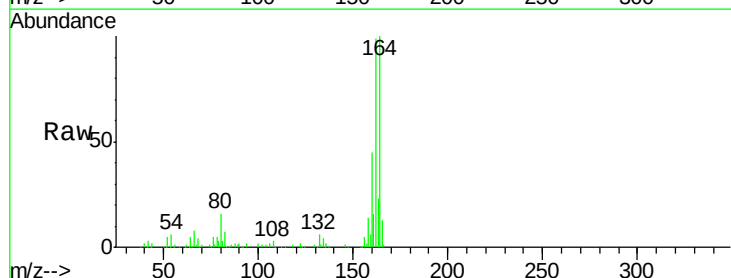
Instrument :
 BNA_G
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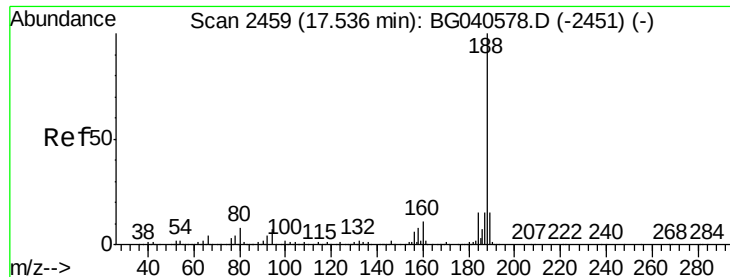
Tot Ion:165 Resp: 12956
 Ion Ratio Lower Upper
 165 100
 63 2.6 61.0 91.4#
 89 4.2 58.6 87.8#



#57
 2,4-Dinitrotoluene
 Concen: 5.369 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040728.D
 Acq: 3 May 2019 17:14

Tgt Ion:165 Resp: 12956
 Ion Ratio Lower Upper
 165 100
 63 2.6 45.8 68.8#
 89 4.2 69.4 104.2#
 182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

Instrument :

BNA_G

ClientSampleId :

PB119443TB

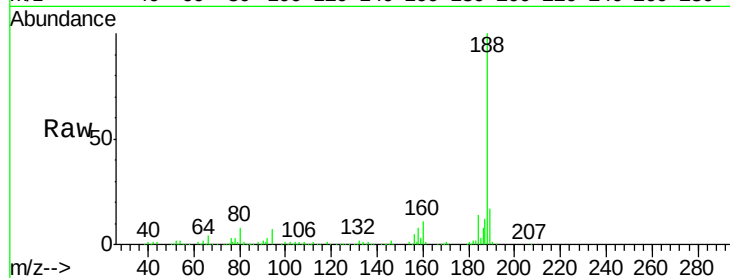
Tot Ion:188 Resp: 316133

Ion Ratio Lower Upper

188 100

94 6.6 5.6 8.4

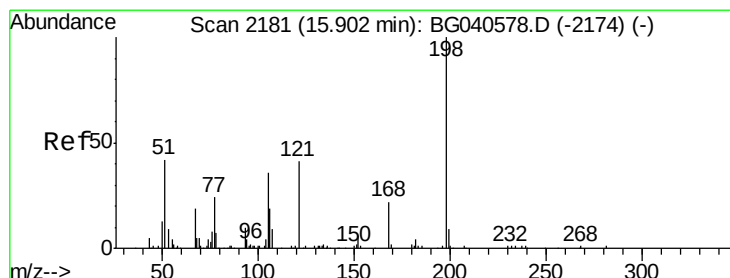
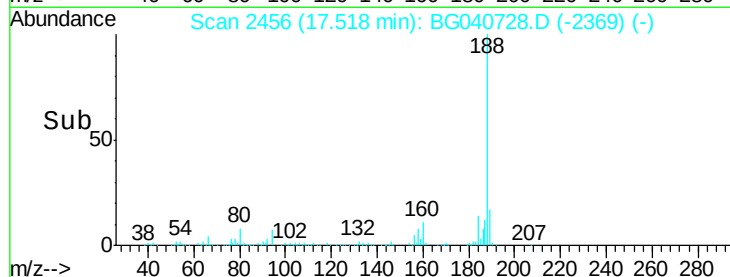
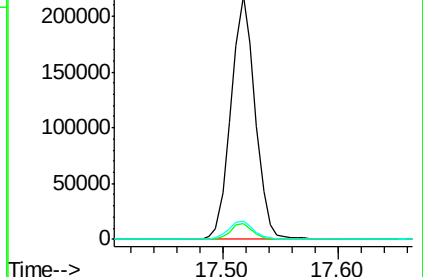
80 7.8 6.4 9.6



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: 7.804 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.36 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

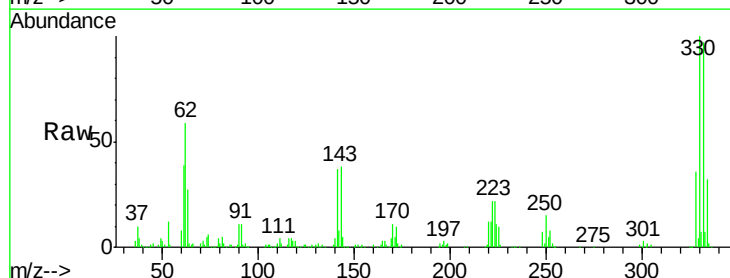
Tgt Ion:198 Resp: 1284

Ion Ratio Lower Upper

198 100

51 117.9 35.9 75.9#

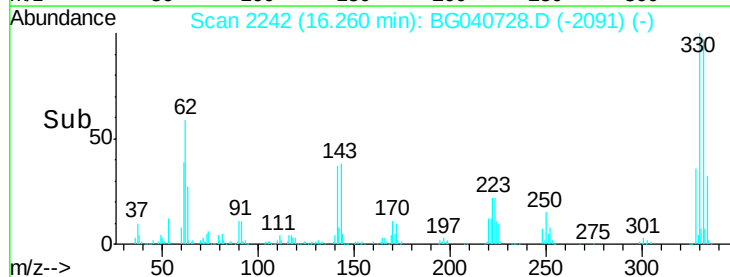
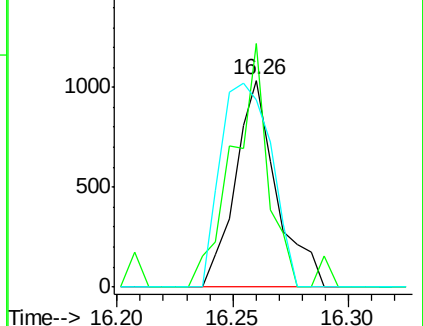
105 90.6 21.2 61.2#

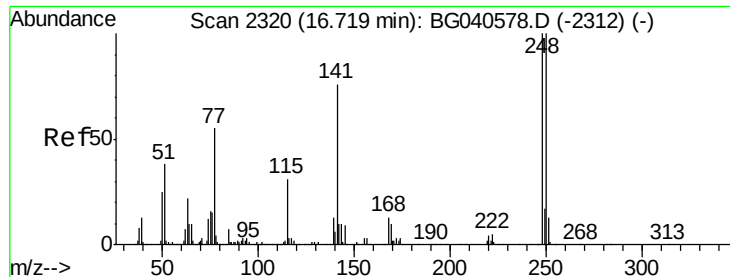


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 5.278 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

Instrument :

BNA_G

ClientSampleId :

PB119443TB

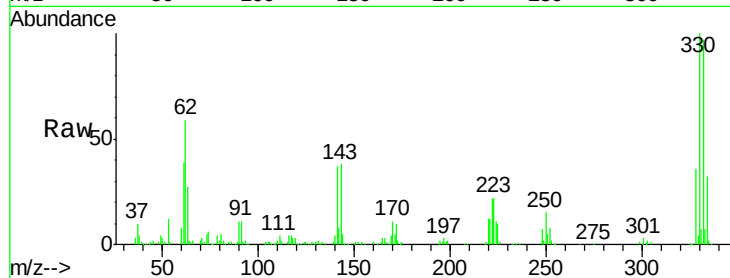
Tot Ion:248 Resp: 20789

Ion Ratio Lower Upper

248 100

250 203.6 79.8 119.6#

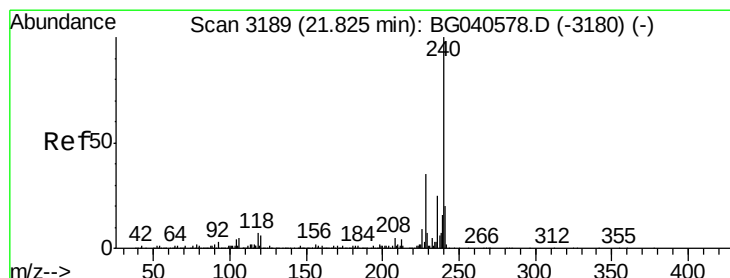
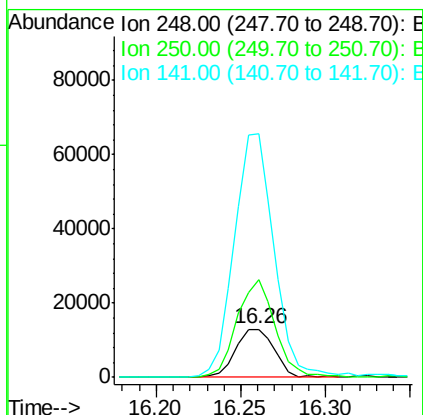
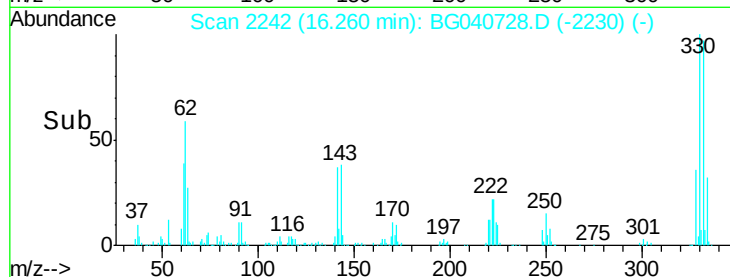
141 504.2 60.8 91.2#



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# 3185

Delta R.T. -0.02 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

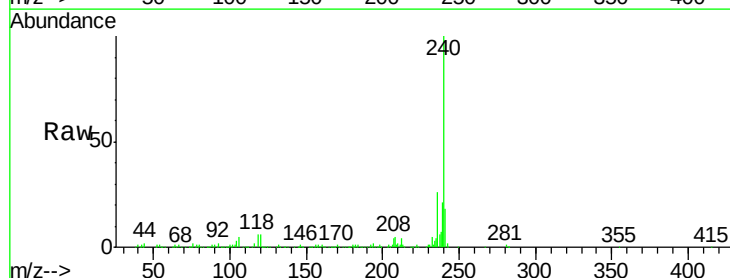
Tgt Ion:240 Resp: 345231

Ion Ratio Lower Upper

240 100

120 5.9 5.0 7.6

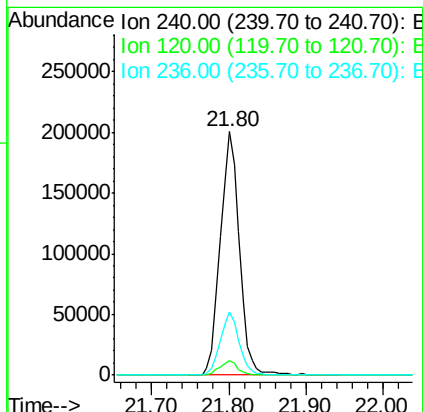
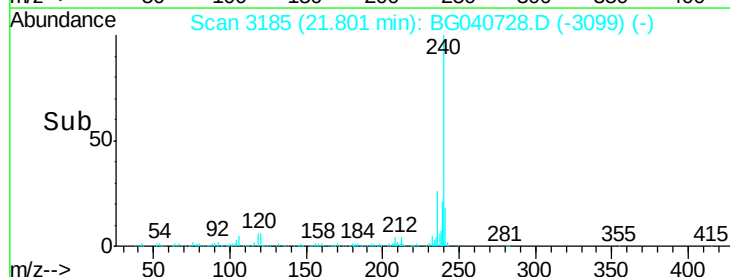
236 26.1 20.3 30.5

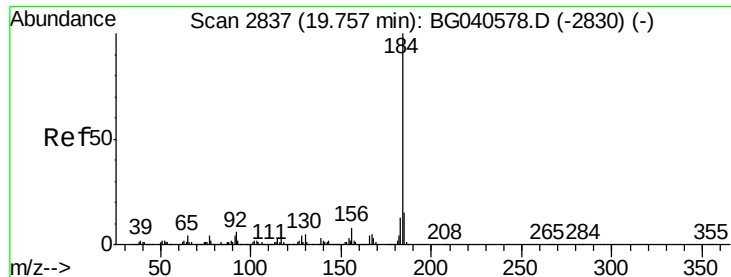


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.549 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

Instrument :

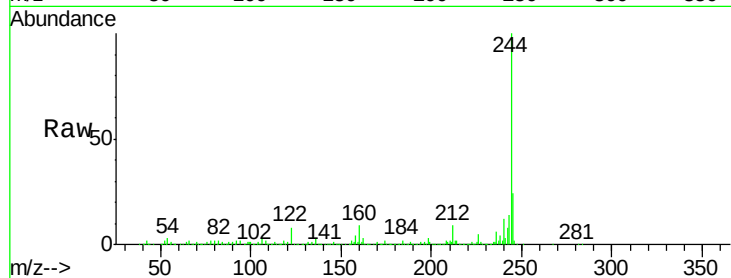
BNA_G

ClientSampleId :

PB119443TB

Tot Ion:184 Resp: 33550

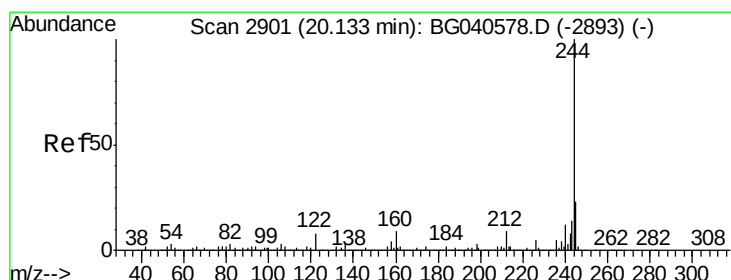
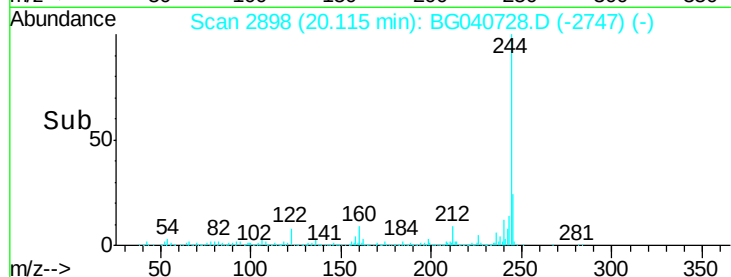
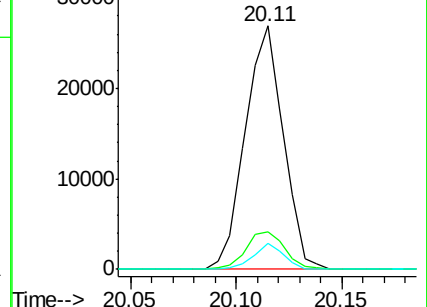
Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.8	17.8
183	10.7	10.2	15.2



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: 111.820 ng

RT: 20.11 min Scan# 2898

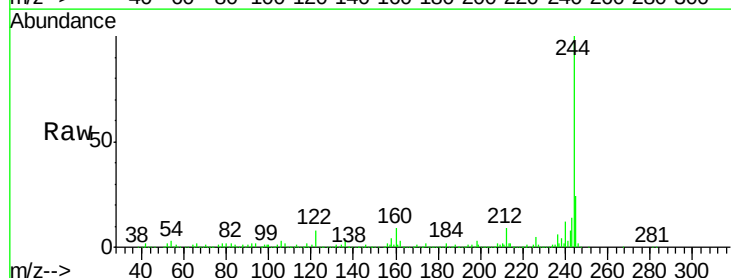
Delta R.T. -0.02 min

Lab File: BG040728.D

Acq: 3 May 2019 17:14

Tgt Ion:244 Resp: 1742501

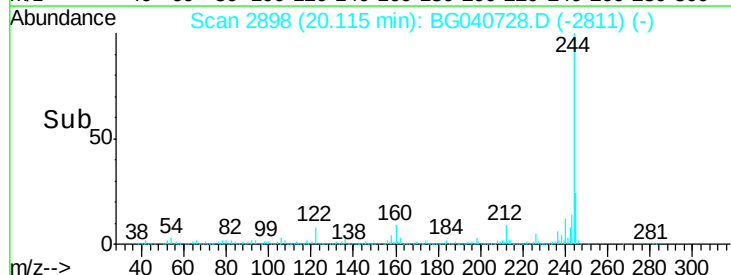
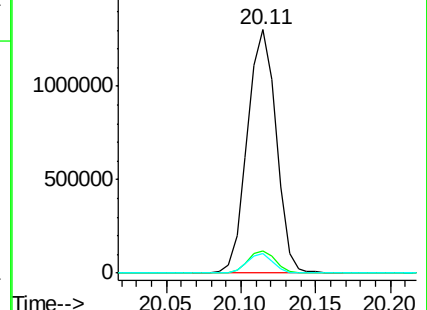
Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.2	10.8
122	8.1	6.6	10.0

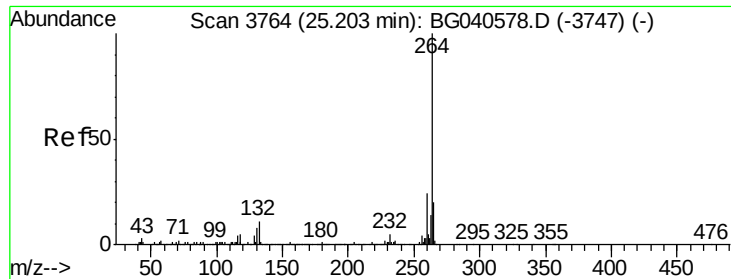


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040728.D
Acq: 3 May 2019 17:14

Instrument :
BNA_G
ClientSampleId :
PB119443TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	16.6	25.0

