

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040607.D
 Acq On : 25 Apr 2019 12:58
 Operator : JU/SJ
 Sample : PB119170BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:54:11 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

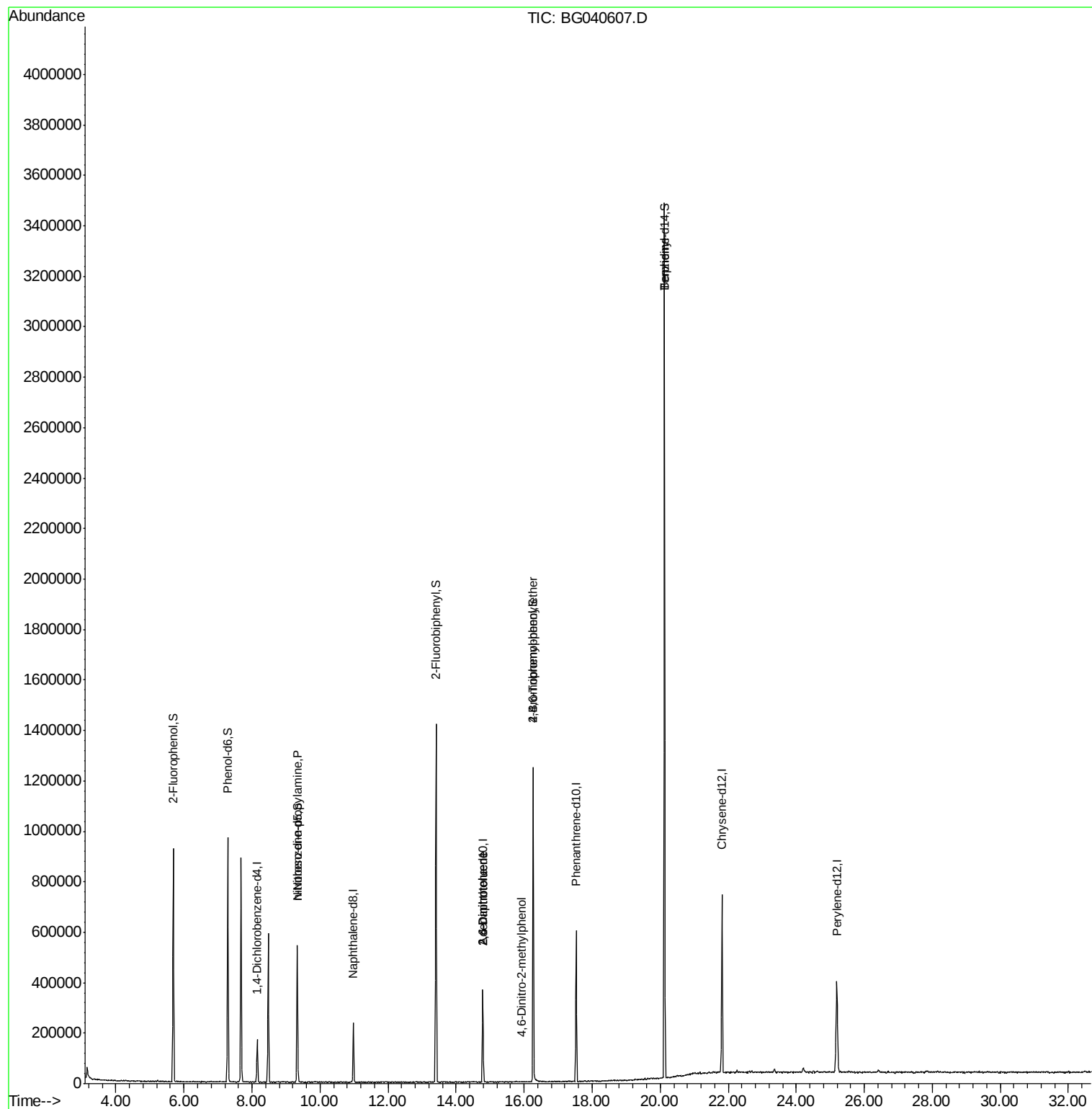
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42911	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	172793	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	123992	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	342710	20.00	ng	0.00
76) Chrysene-d12	21.82	240	396570	20.00	ng	0.00
87) Perylene-d12	25.19	264	402093	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	310943	127.73	ng	0.00
7) Phenol-d6	7.29	99	463296	123.61	ng	0.00
23) Nitrobenzene-d5	9.33	82	313167	83.74	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	198607	116.53	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	673353	78.43	ng	0.00
79) Terphenyl-d14	20.13	244	1483793	82.89	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	1372	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	45455	13.472 ng	#	79
51) 2,6-Dinitrotoluene	14.79	165	16345	8.073 ng	#	15
57) 2,4-Dinitrotoluene	14.79	165	16345	5.941 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.93	198	54	7.128 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	15740	3.686 ng	#	1
77) Benizidine	20.13	184	29695	2.735 ng	#	93

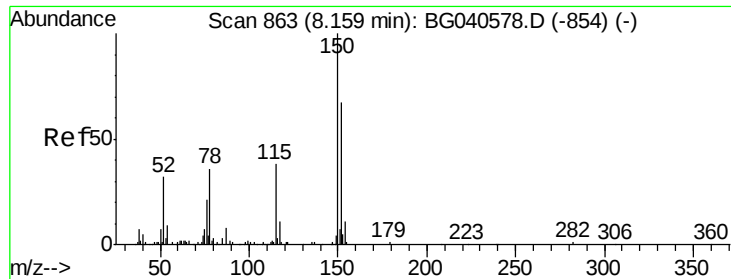
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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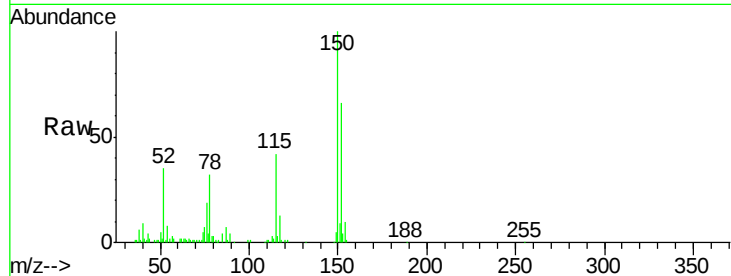


#1

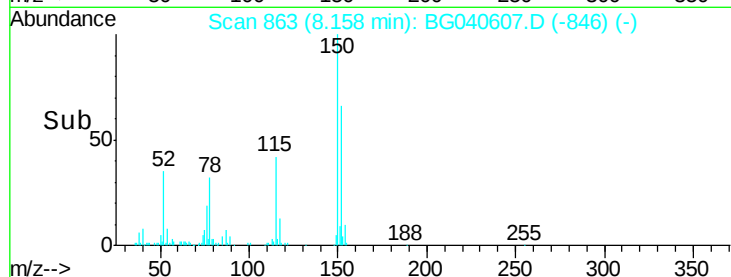
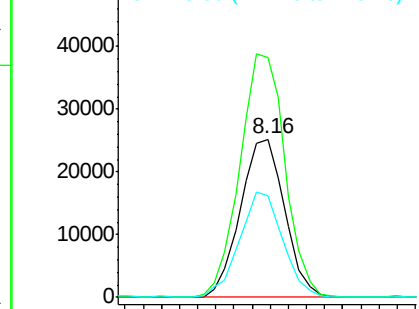
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040607.D
Acq: 25 Apr 2019 12:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	120.2	180.2
115	64.2	46.2	69.2



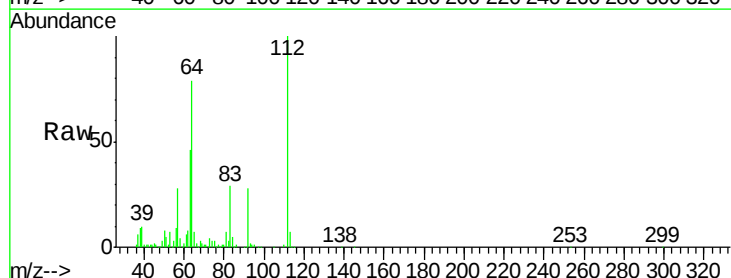
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



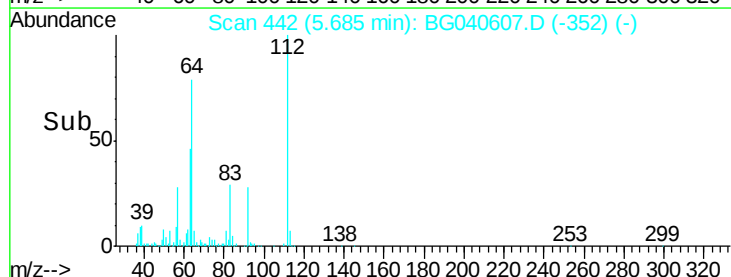
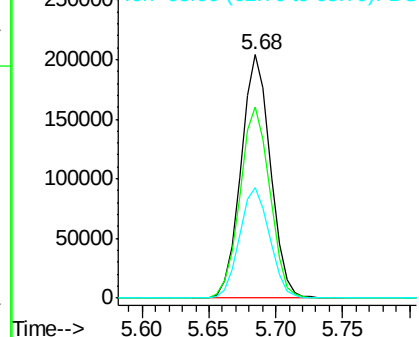
#5

2-Fluorophenol
Concen: 127.734 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040607.D
Acq: 25 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.6	61.4	92.0
63	45.6	37.8	56.6



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: 123.607 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampleId :

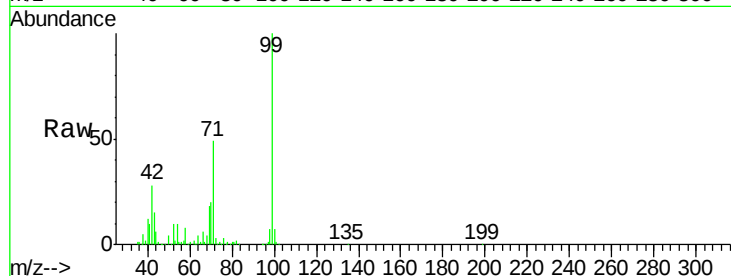
Tot Ion: 99 Resp: 463296

Ion Ratio Lower Upper

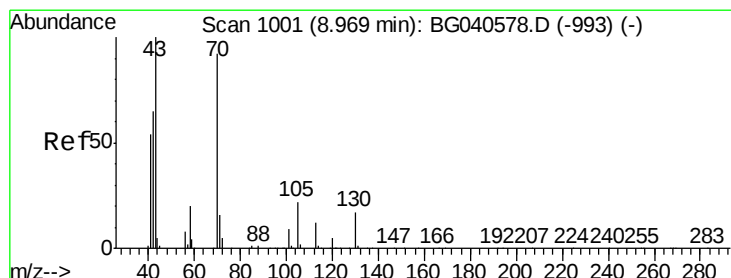
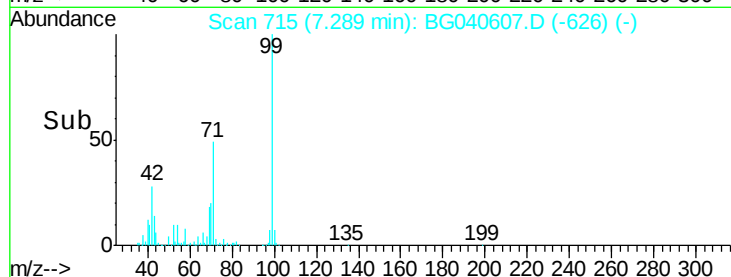
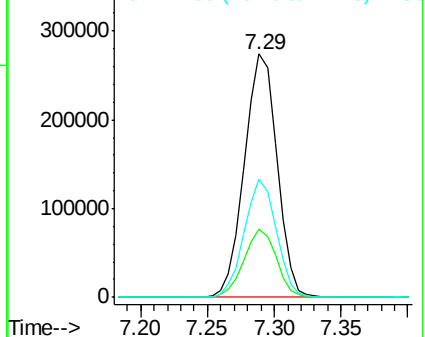
99 100

42 28.1 21.8 32.8

71 48.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.472 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Tgt Ion: 70 Resp: 45455

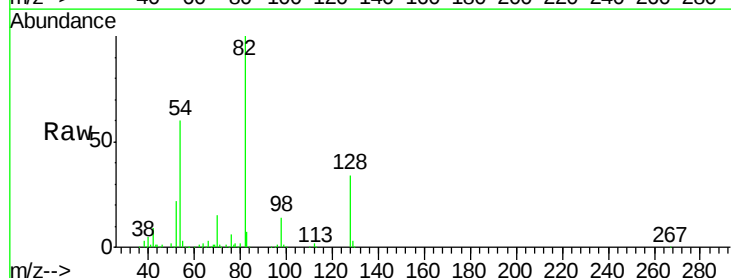
Ion Ratio Lower Upper

70 100

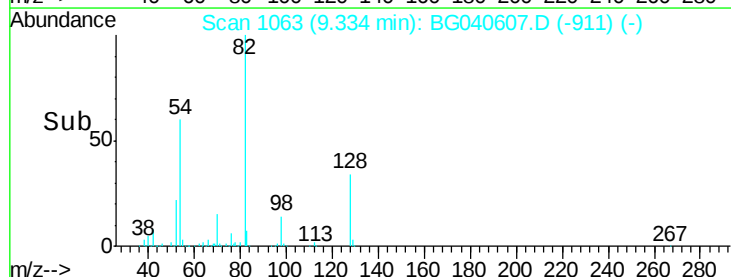
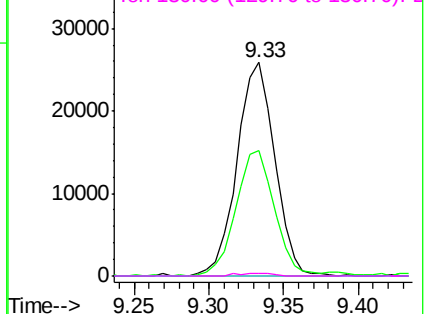
42 58.6 57.1 85.7

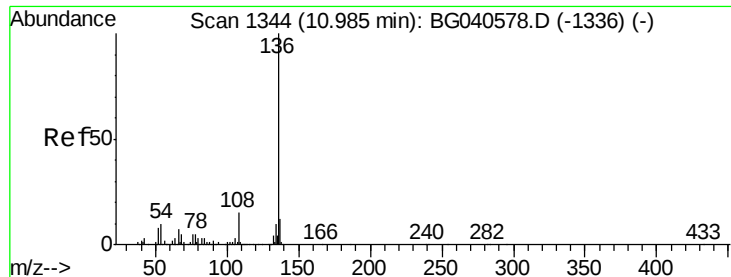
101 0.0 7.8 11.8#

130 1.3 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: 10.98 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 172793

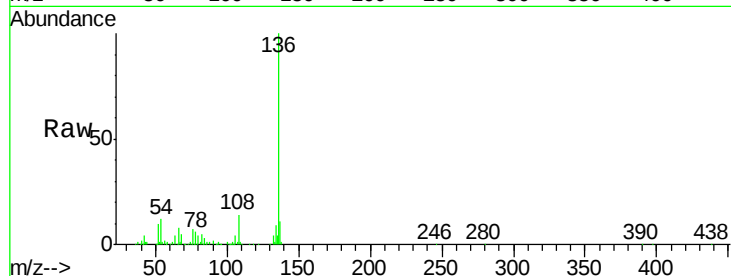
Ion Ratio Lower Upper

136 100

137 11.1 9.7 14.5

54 12.5 8.6 12.8

68 5.5 4.8 7.2

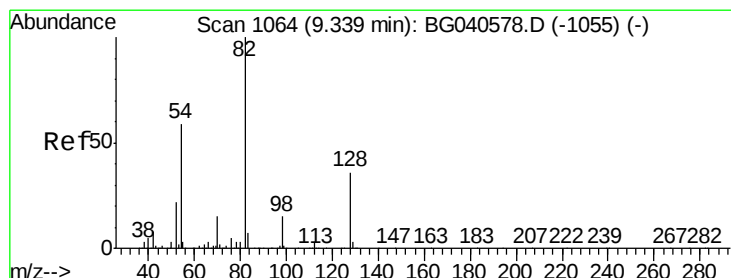
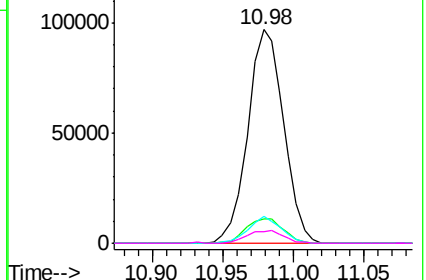
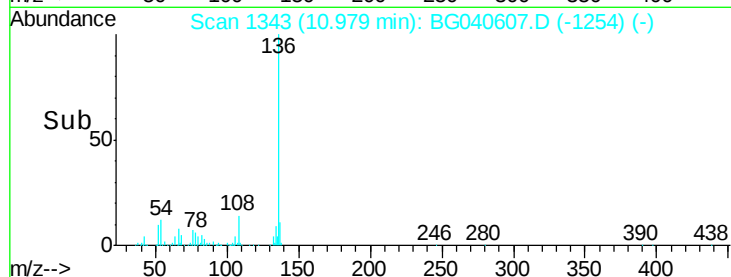


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 83.743 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

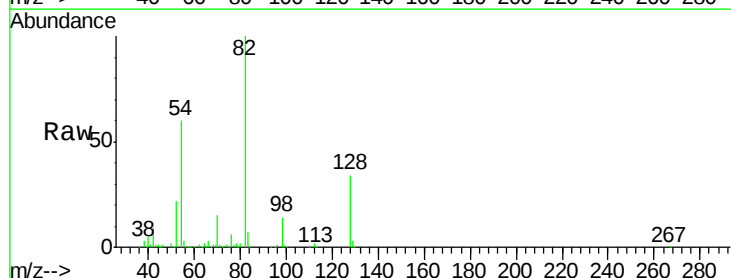
Tgt Ion: 82 Resp: 313167

Ion Ratio Lower Upper

82 100

128 33.6 28.9 43.3

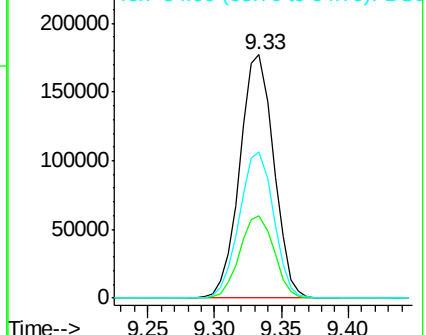
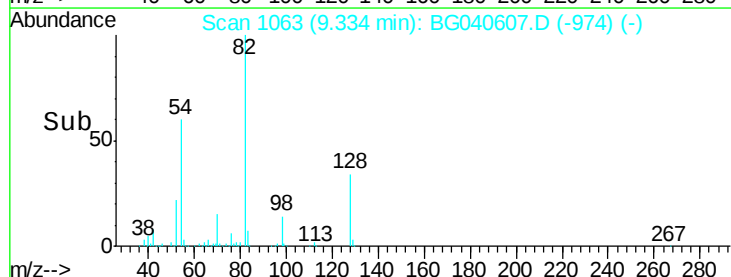
54 60.0 47.2 70.8

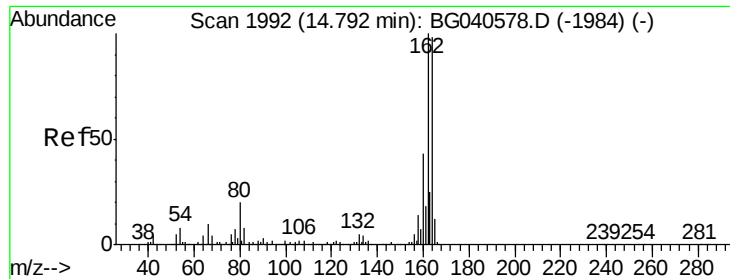


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

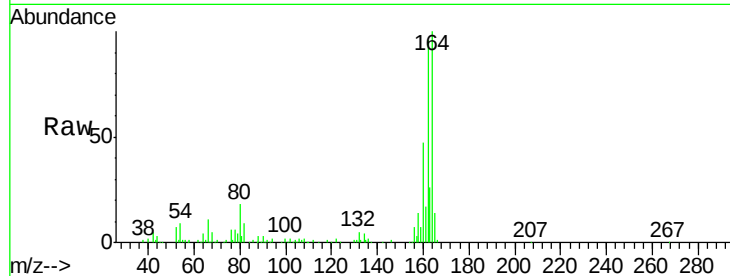




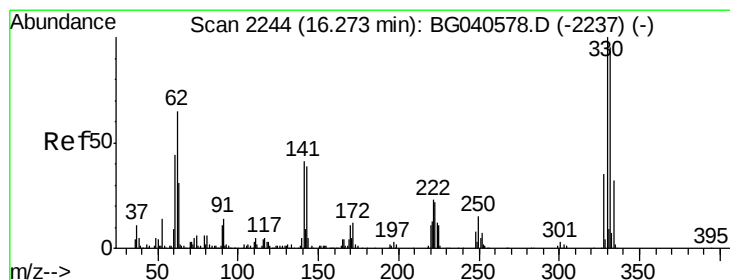
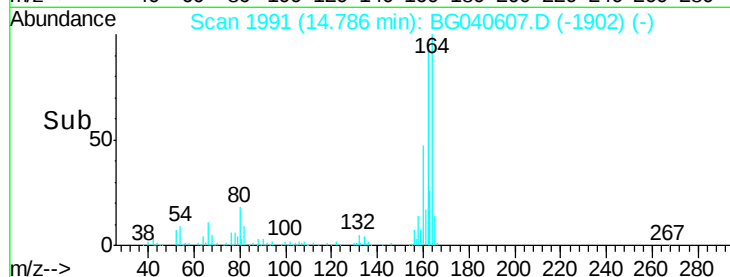
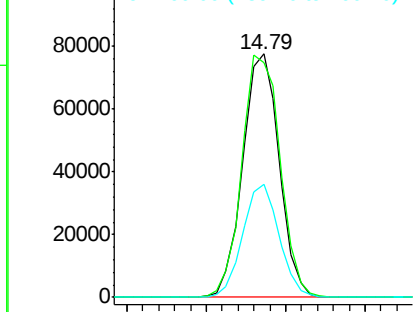
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG040607.D
Acq: 25 Apr 2019 12:58

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.2	81.9	122.9
160	46.5	35.4	53.2

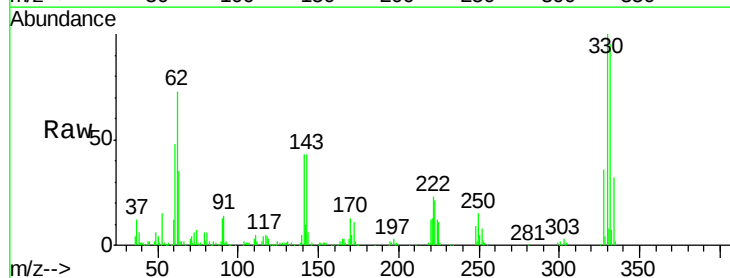


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

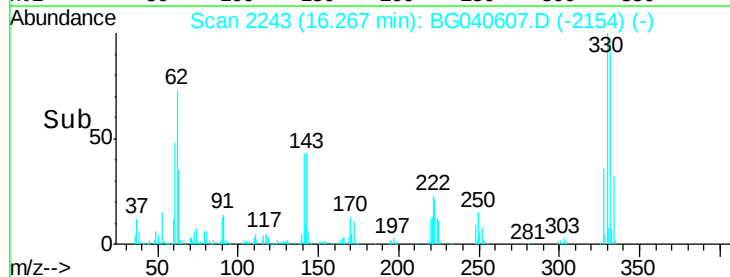
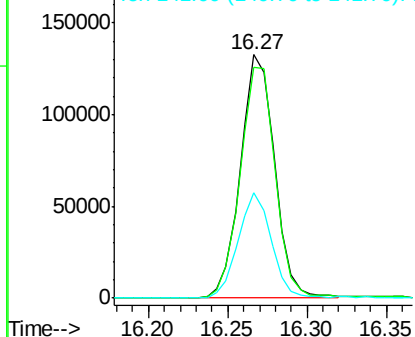


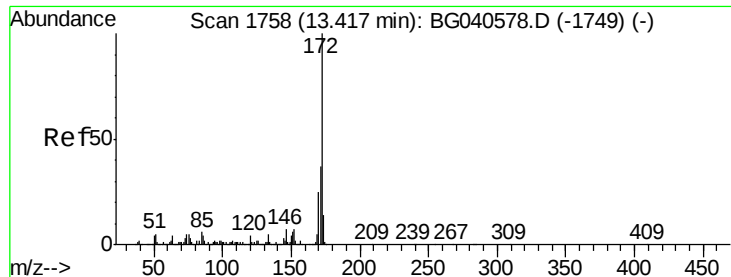
#42
2,4,6-Tribromophenol
Concen: 116.533 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BG040607.D
Acq: 25 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	75.9	113.9
141	41.9	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

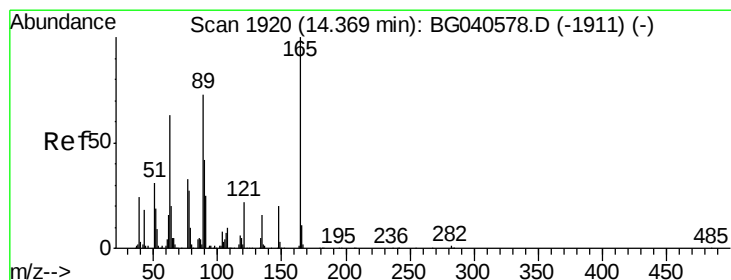
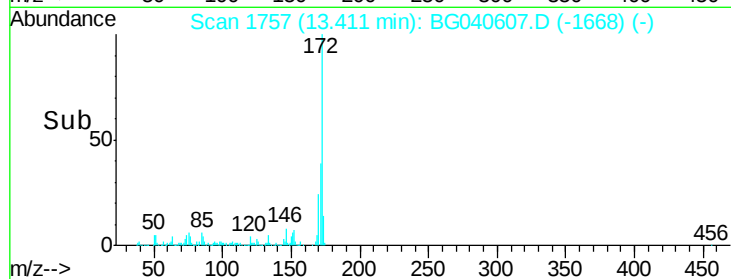
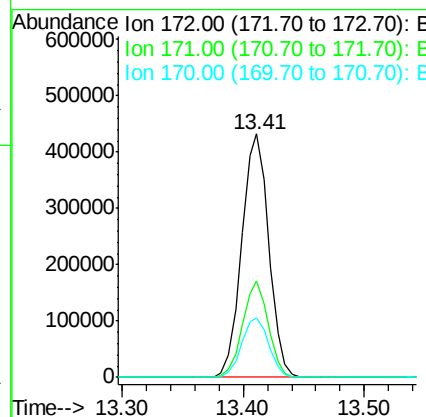
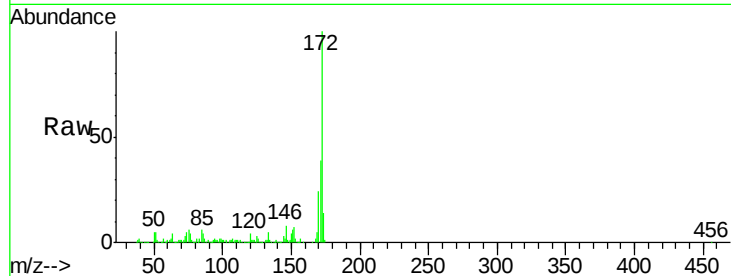




#45
 2-Fluorobiphenyl
 Concen: 78.429 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG040607.D
 Acq: 25 Apr 2019 12:58

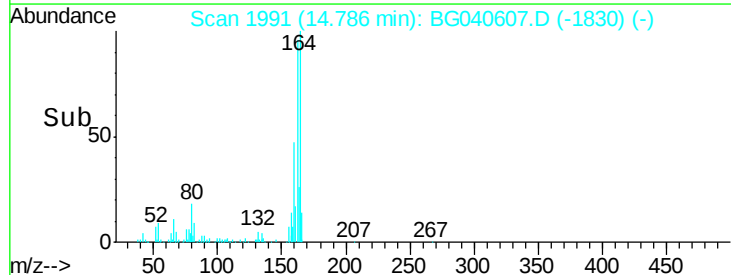
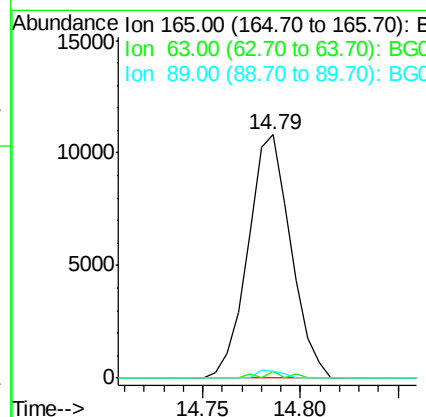
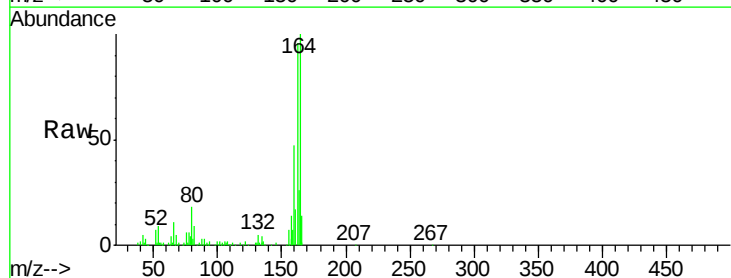
Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.4	44.2
170	24.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 8.073 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG040607.D
 Acq: 25 Apr 2019 12:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	61.0	91.4#
89	2.6	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.941 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040607.D

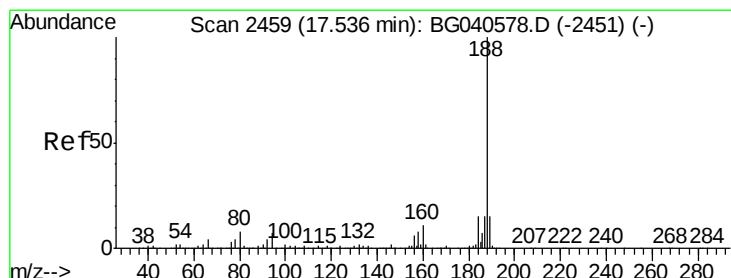
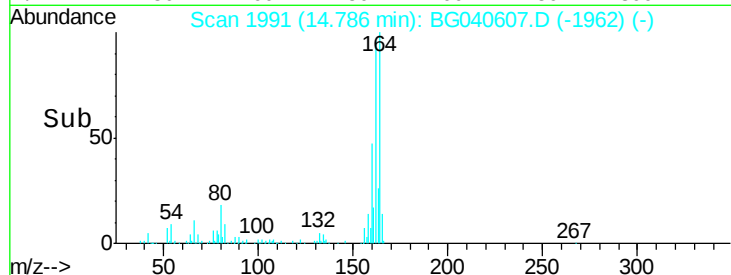
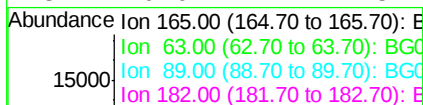
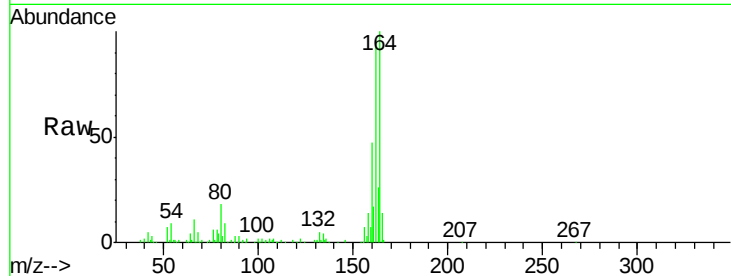
Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	16345
Ion Ratio	Lower	Upper
165	100	
63	2.6	45.8 68.8#
89	2.6	69.4 104.2#
182	0.0	2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

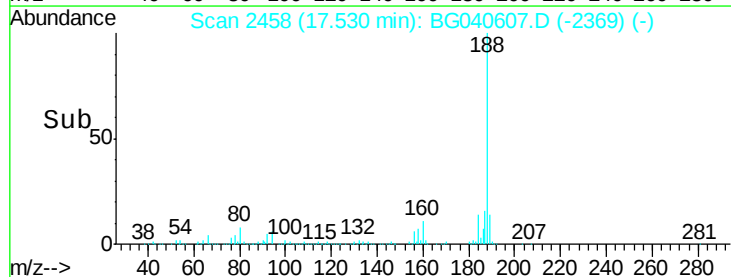
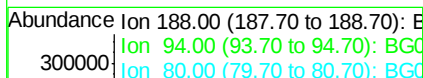
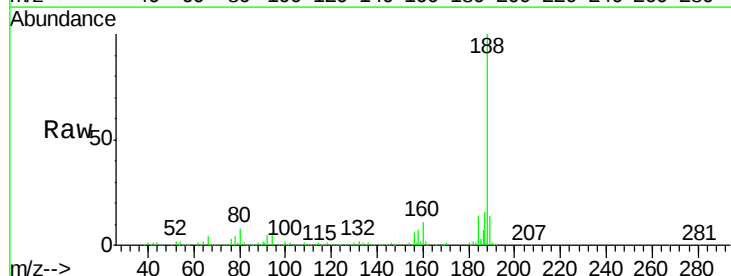
RT: 17.53 min Scan# 2458

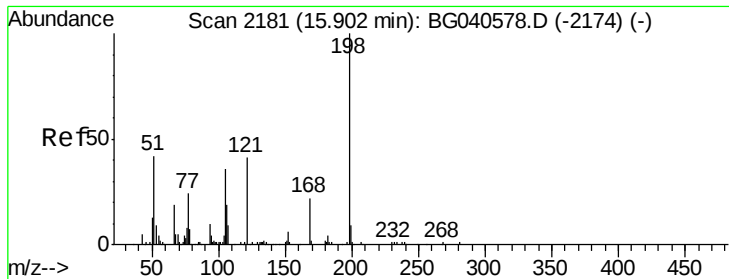
Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Tgt Ion:188	Resp:	342710
Ion Ratio	Lower	Upper
188	100	
94	6.5	5.6 8.4
80	8.0	6.4 9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.128 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.03 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampled :

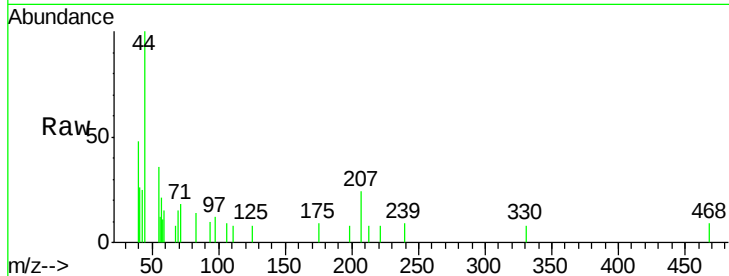
Tot Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

105 0.0 21.2 61.2#

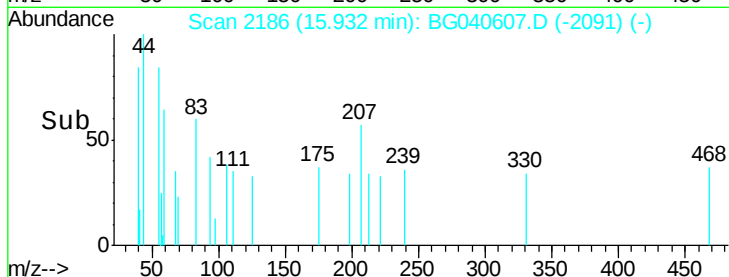


Abundance Ion 198.00 (197.70 to 198.70): E

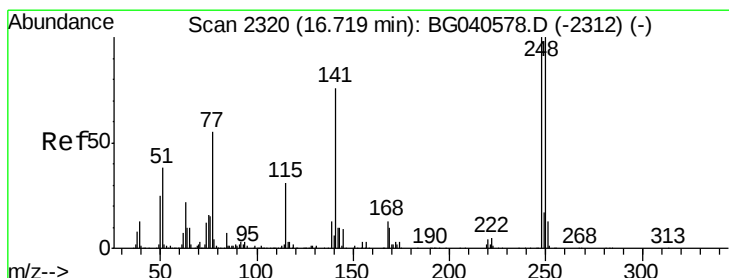
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

15.93



Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.686 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

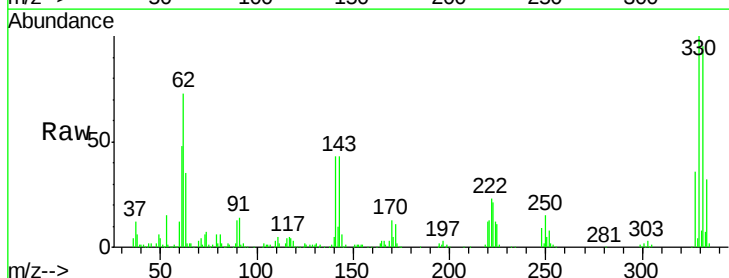
Tgt Ion:248 Resp: 15740

Ion Ratio Lower Upper

248 100

250 231.7 79.8 119.6#

141 497.3 60.8 91.2#

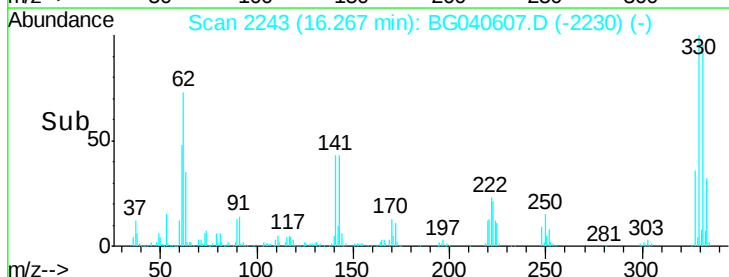


Abundance Ion 248.00 (247.70 to 248.70): E

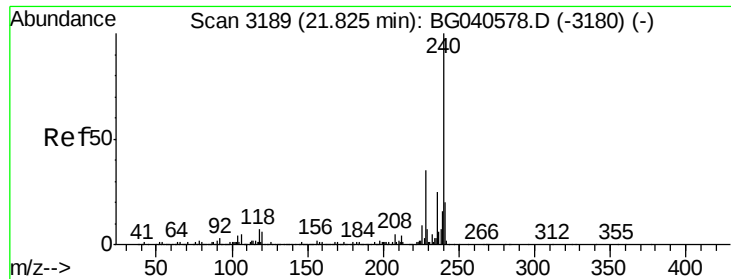
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.27



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampleId :

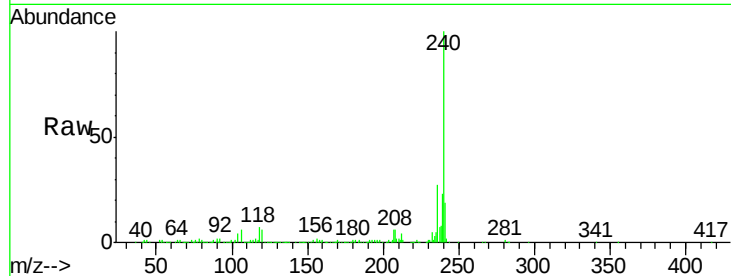
Tot Ion:240 Resp: 396570

Ion Ratio Lower Upper

240 100

120 6.0 5.0 7.6

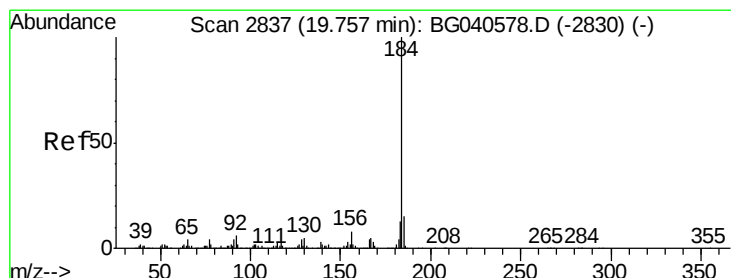
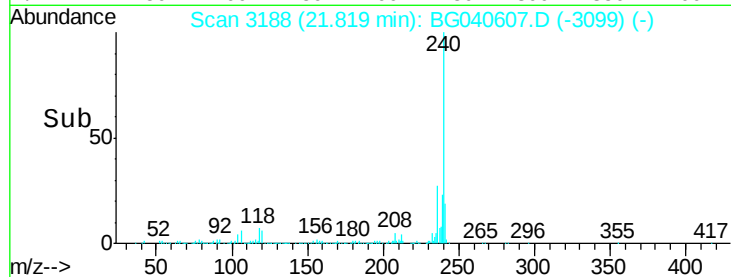
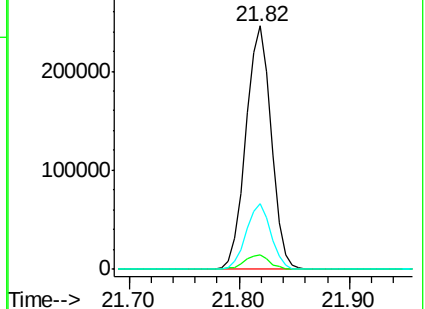
236 26.7 20.3 30.5



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: 2.735 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

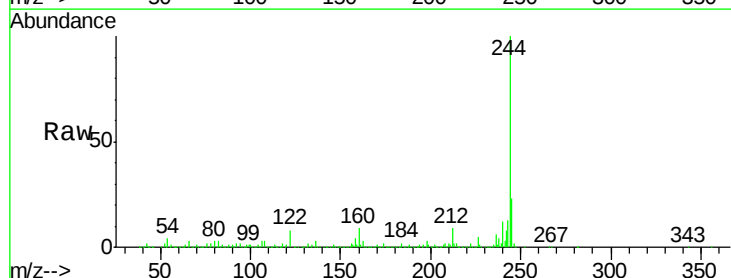
Tgt Ion:184 Resp: 29695

Ion Ratio Lower Upper

184 100

185 16.7 11.8 17.8

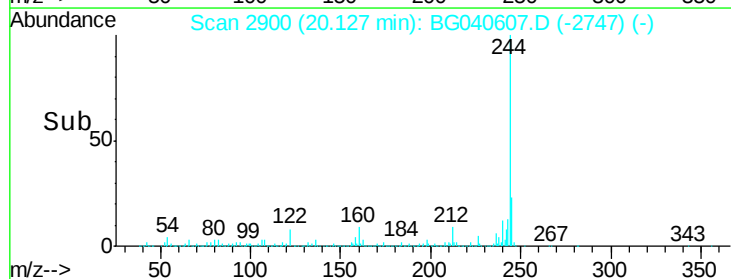
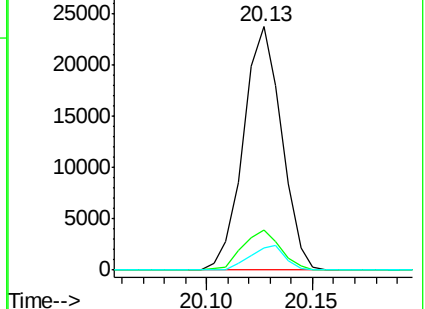
183 9.0 10.2 15.2#

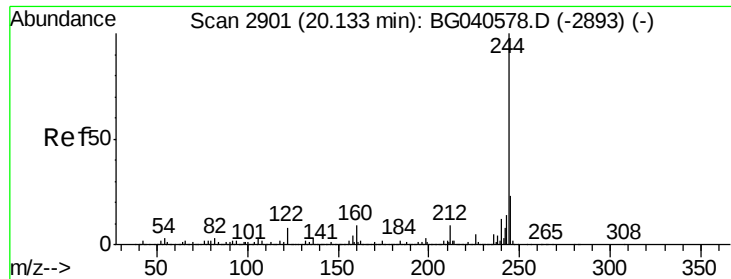


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.891 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

Instrument :

BNA_G

ClientSampleId :

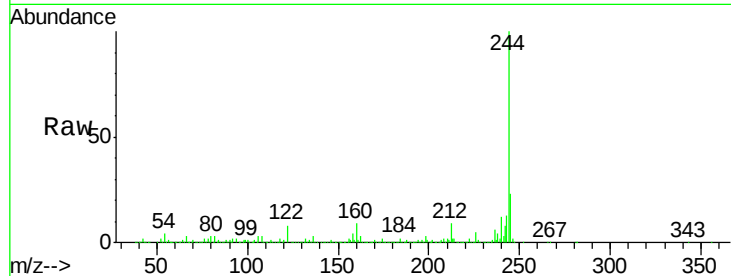
Tot Ion:244 Resp: 1483793

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	8.4	6.6	10.0

244 100

212 9.4 7.2 10.8

122 8.4 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

1500000

1000000

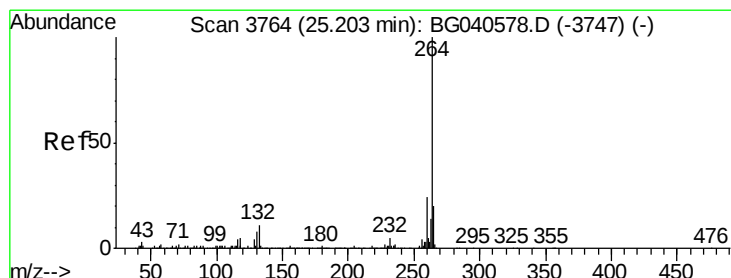
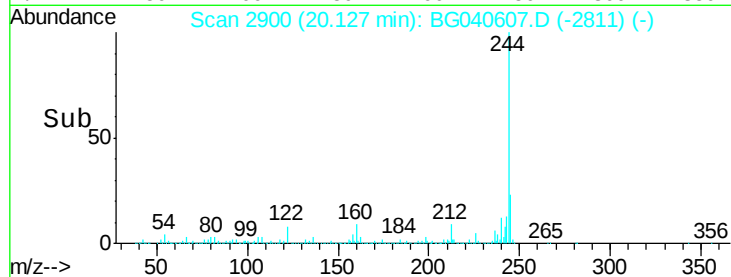
500000

0

20.13

20.10 20.20

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040607.D

Acq: 25 Apr 2019 12:58

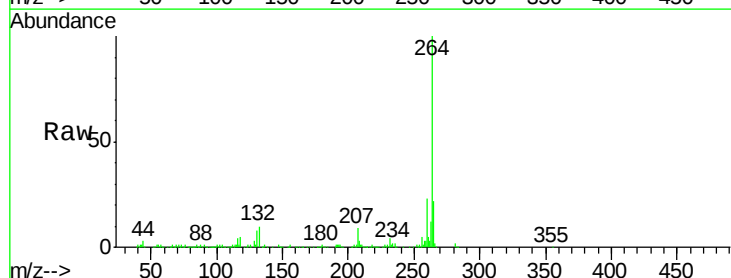
Tgt Ion:264 Resp: 402093

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	22.4	16.6	25.0

264 100

260 22.6 19.2 28.8

265 22.4 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

150000

100000

50000

0

25.19

25.10 25.20 25.30

Time-->

