

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040634.D
 Acq On : 26 Apr 2019 18:06
 Operator : JU/SJ
 Sample : K2566-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:41 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

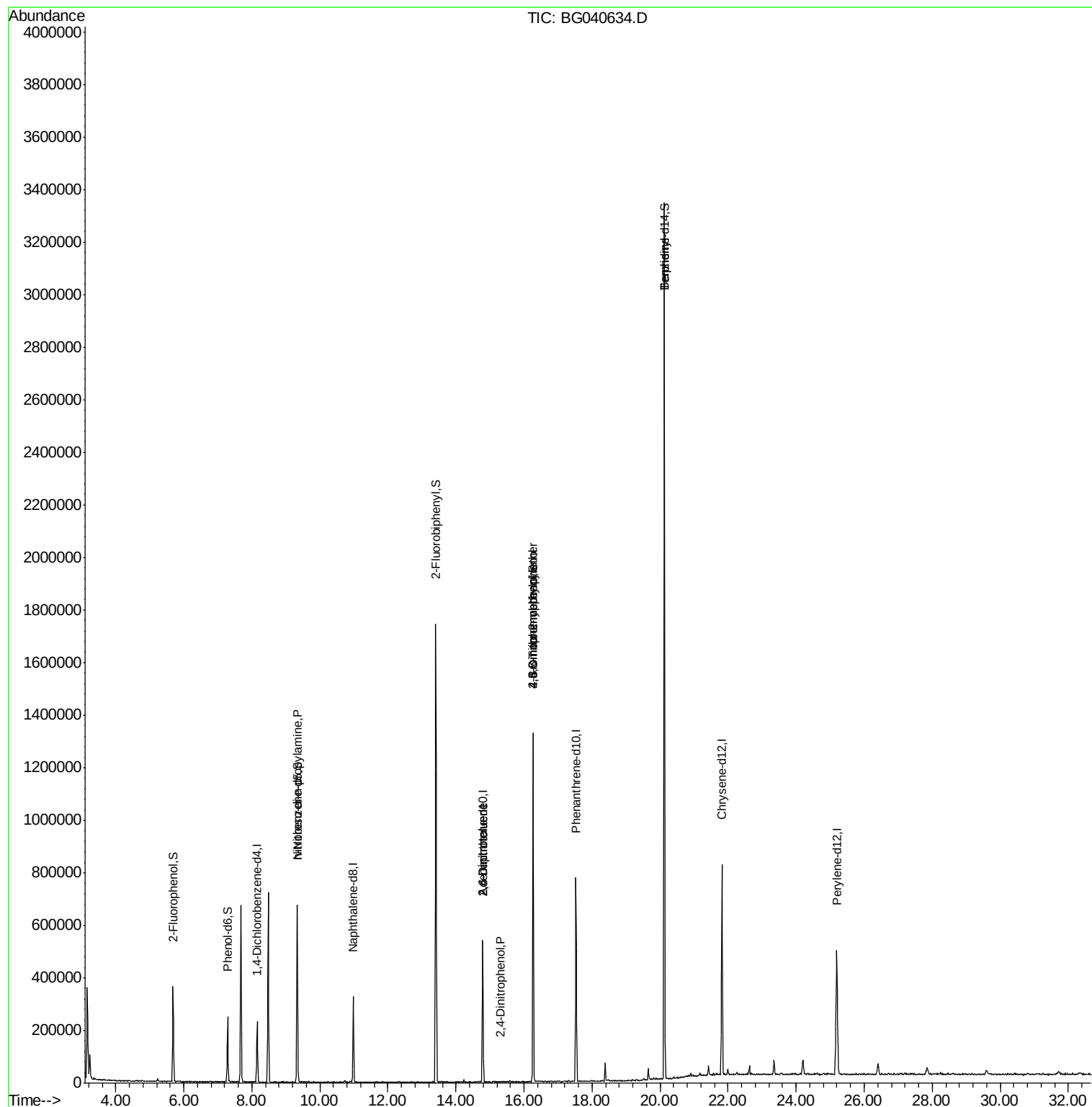
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	54947	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	240712	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	177552	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	468045	20.00	ng	0.00
76) Chrysene-d12	21.82	240	463272	20.00	ng	0.00
87) Perylene-d12	25.19	264	492173	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	127268	40.83	ng	0.00
7) Phenol-d6	7.29	99	117325	24.45	ng	0.00
23) Nitrobenzene-d5	9.34	82	393801	75.59	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	219672	90.01	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	862790	70.18	ng	0.00
79) Terphenyl-d14	20.13	244	1528645	73.10	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	231	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.33	70	59562	13.786 ng	#	6
51) 2,6-Dinitrotoluene	14.79	165	23307	8.039 ng	#	74
54) 2,4-Dinitrophenol	15.31	184	65	7.051 ng	#	16
57) 2,4-Dinitrotoluene	14.79	165	23307	5.916 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.27	198	786	7.392 ng	#	18
67) 4-Bromophenyl-phenylether	16.27	248	17514	3.004 ng	#	68
77) Benzydine	20.12	184	30786	2.427 ng	#	1
					#	91

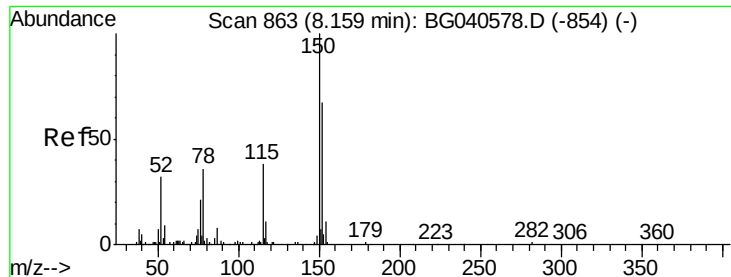
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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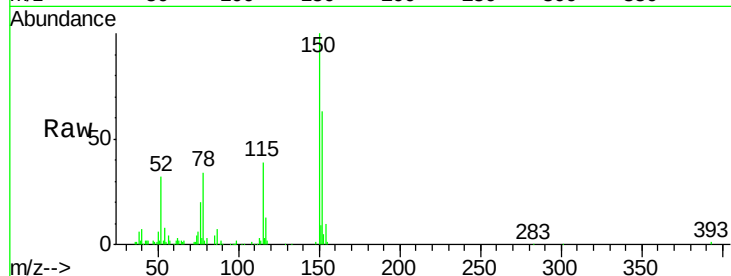


#1

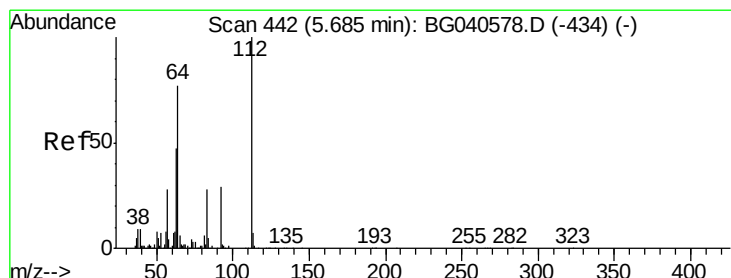
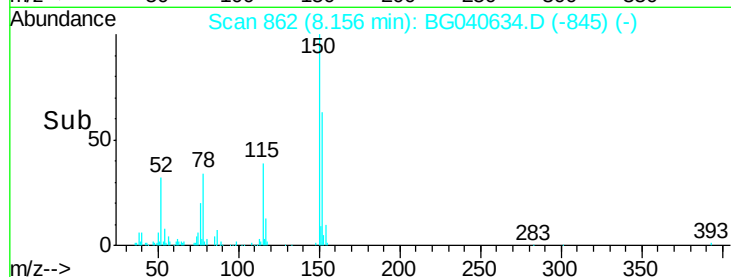
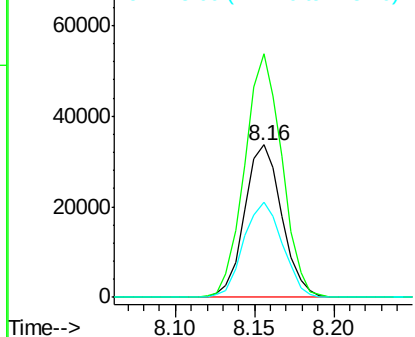
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54947
Ion Ratio Lower Upper
152 100
150 159.8 120.2 180.2
115 62.3 46.2 69.2



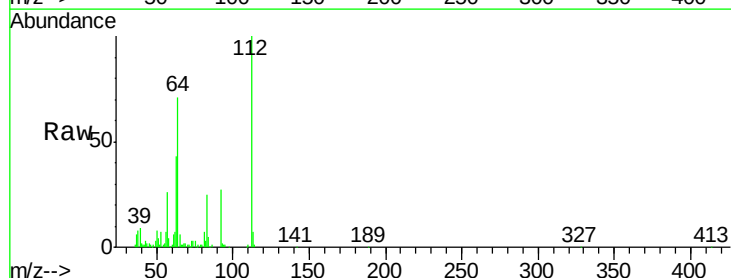
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



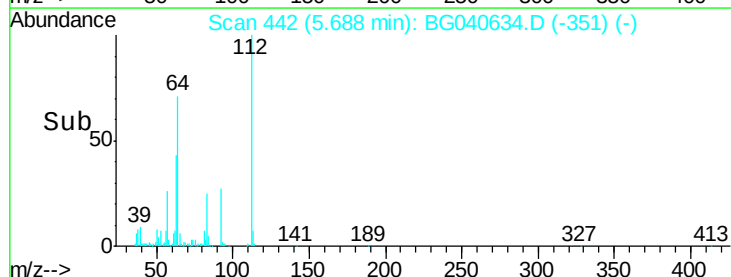
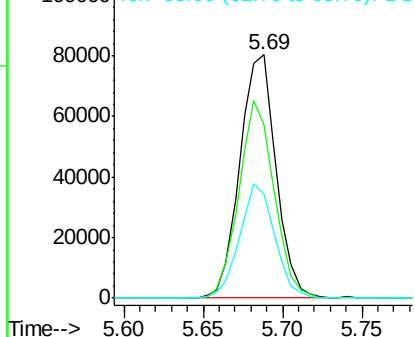
#5

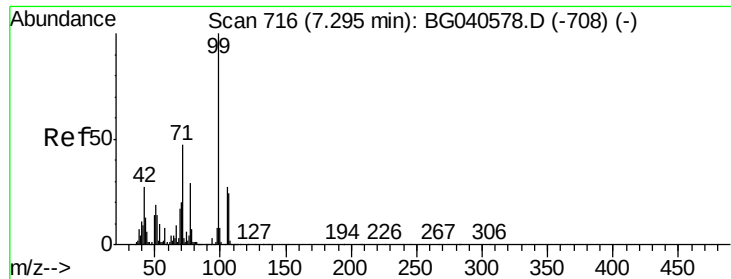
2-Fluorophenol
Concen: 40.829 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

Tgt Ion:112 Resp: 127268
Ion Ratio Lower Upper
112 100
64 71.1 61.4 92.0
63 42.6 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: 24.446 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA_G

ClientSampleId :

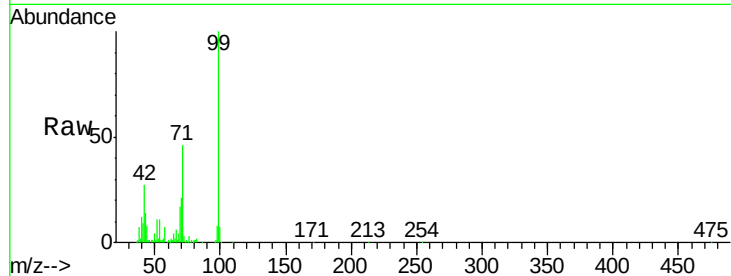
Tot Ion: 99 Resp: 117325

Ion Ratio Lower Upper

99 100

42 26.8 21.8 32.8

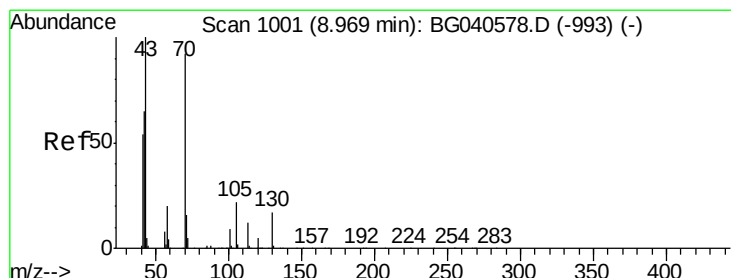
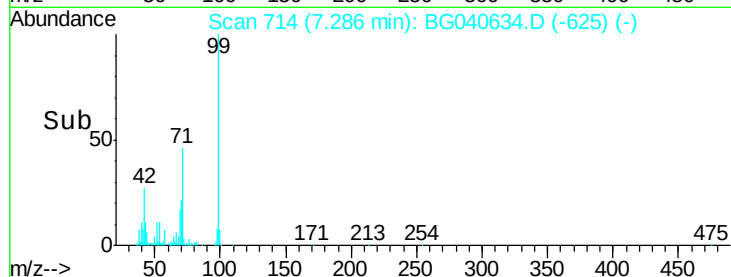
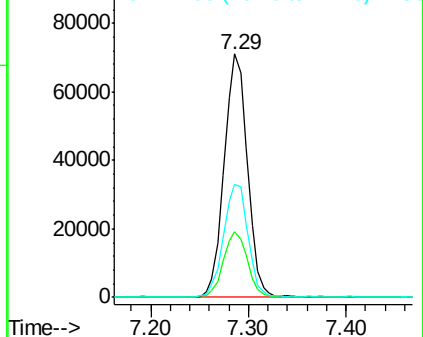
71 46.4 38.6 57.8



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: 13.786 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Tgt Ion: 70 Resp: 59562

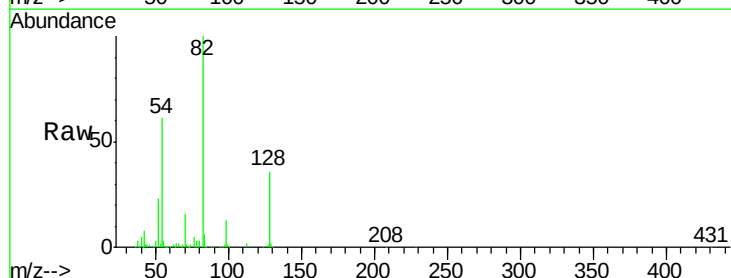
Ion Ratio Lower Upper

70 100

42 52.2 57.1 85.7#

101 0.0 7.8 11.8#

130 1.4 14.6 21.8#

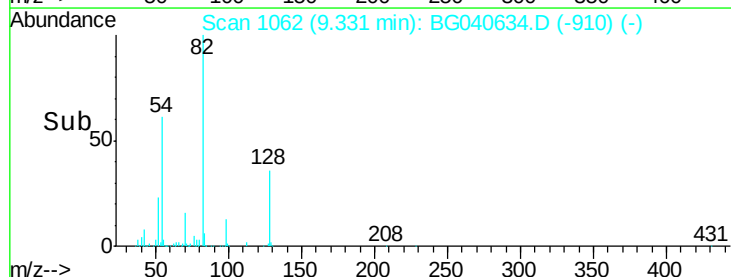
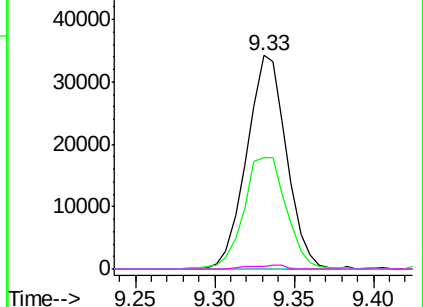


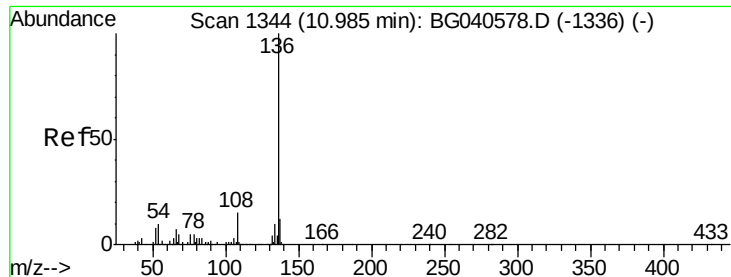
Abundance Ion 70.00 (69.70 to 70.70): BGC

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. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 240712

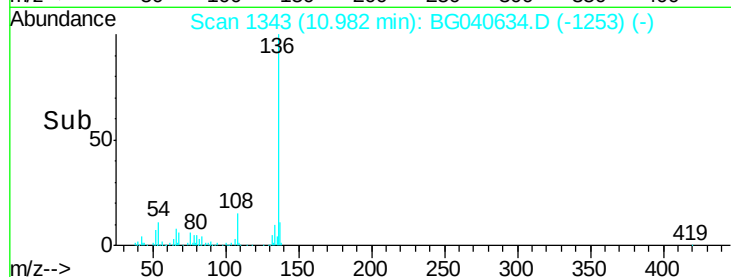
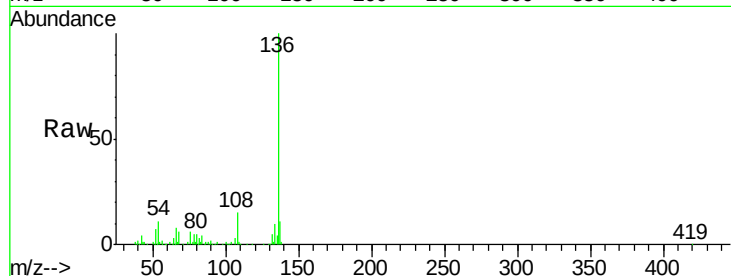
Ion Ratio Lower Upper

136 100

137 11.1 9.7 14.5

54 11.0 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

Time-->

10.98

150000

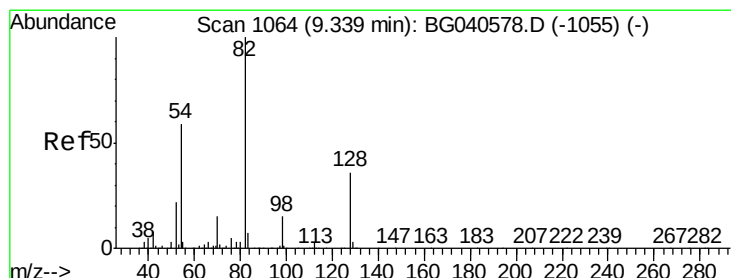
100000

50000

0

10.90

11.00



#23

Nitrobenzene-d5

Concen: 75.593 ng

RT: 9.34 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

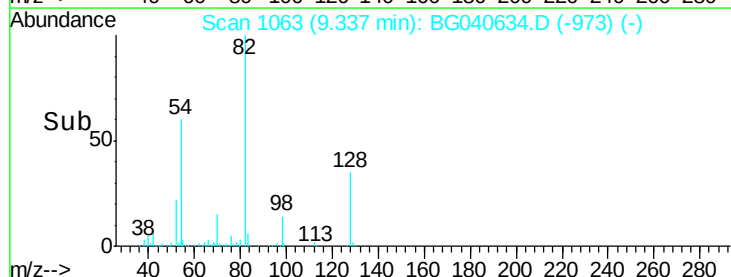
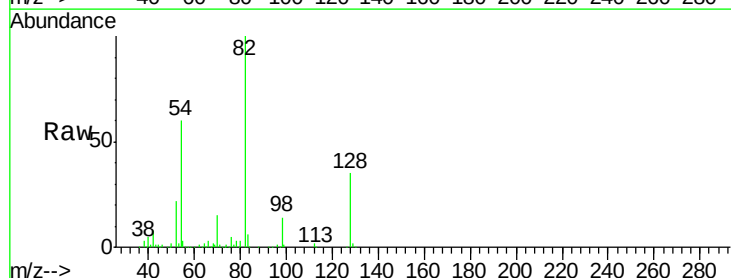
Tgt Ion: 82 Resp: 393801

Ion Ratio Lower Upper

82 100

128 34.6 28.9 43.3

54 59.9 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

Time-->

9.34

300000

250000

200000

150000

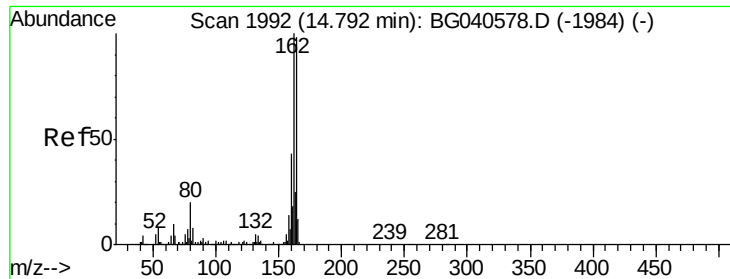
100000

50000

0

9.30

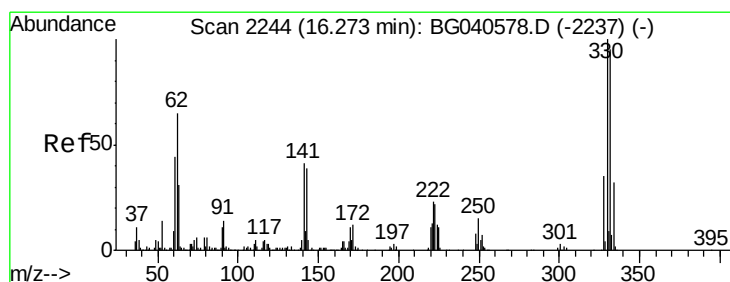
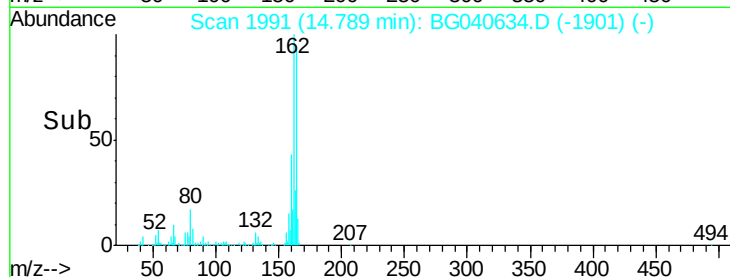
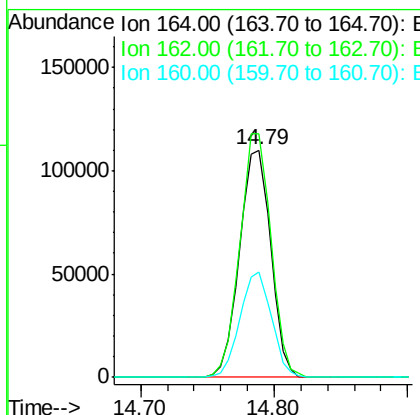
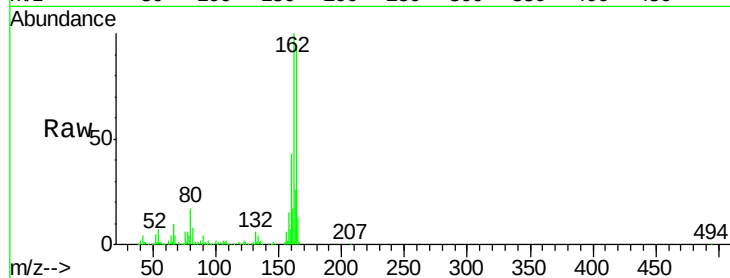
9.40



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

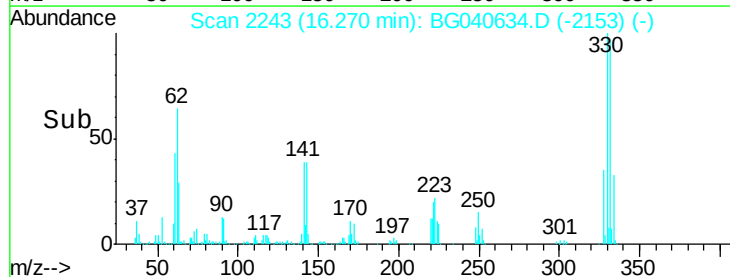
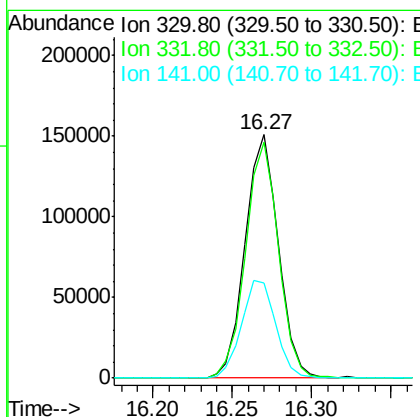
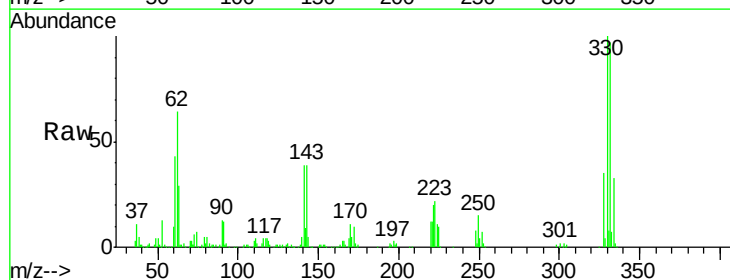
Instrument :
BNA_G
ClientSampleId :

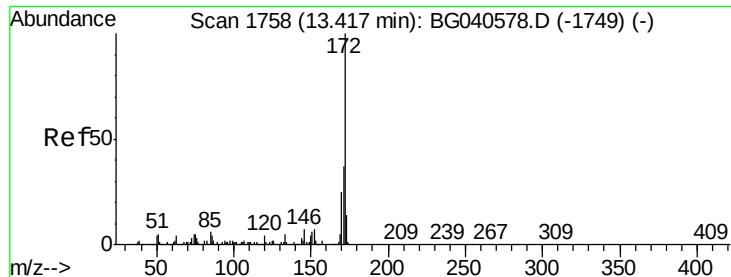
Tot Ion:164 Resp: 177552
Ion Ratio Lower Upper
164 100
162 107.0 81.9 122.9
160 46.4 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 90.011 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

Tgt Ion:330 Resp: 219672
Ion Ratio Lower Upper
330 100
332 96.3 75.9 113.9
141 41.5 32.4 48.6





#45

2-Fluorobiphenyl

Concen: 70.179 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

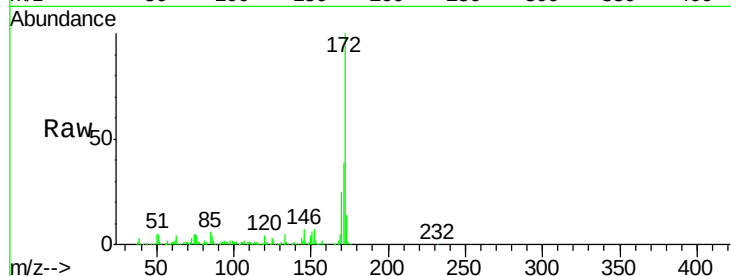
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 862790

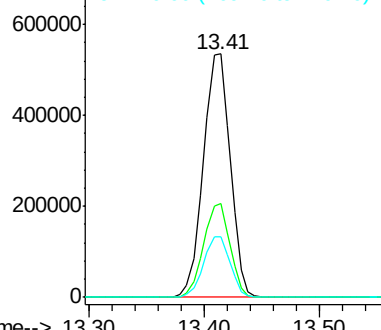
Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.4	44.2
170	25.0	19.9	29.9



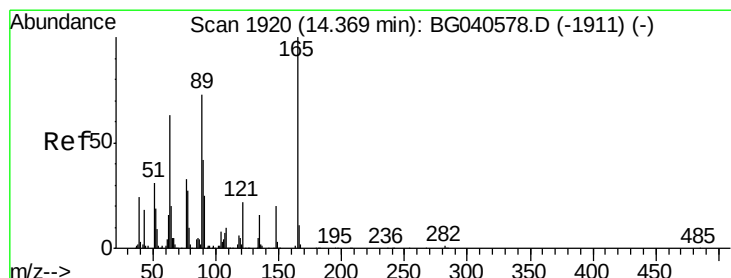
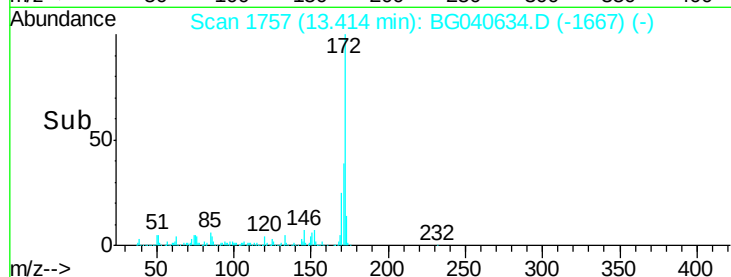
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time--> 13.30 13.40 13.50



#51

2,6-Dinitrotoluene

Concen: 8.039 ng

RT: 14.79 min Scan# 1991

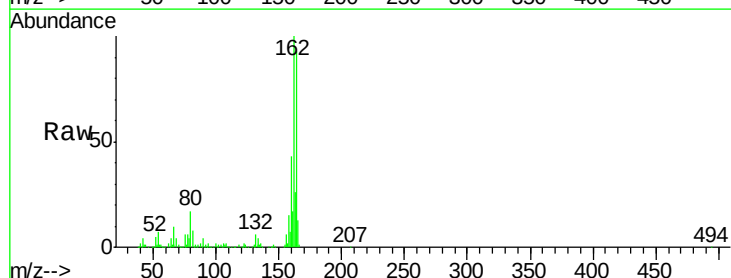
Delta R.T. 0.42 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Tgt Ion:165 Resp: 23307

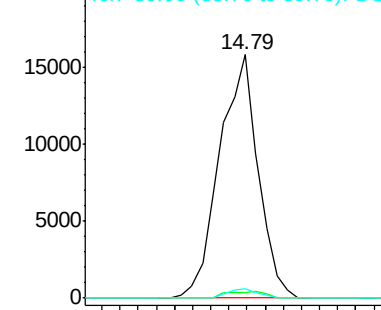
Ion	Ratio	Lower	Upper
165	100		
63	2.2	61.0	91.4#
89	3.7	58.6	87.8#



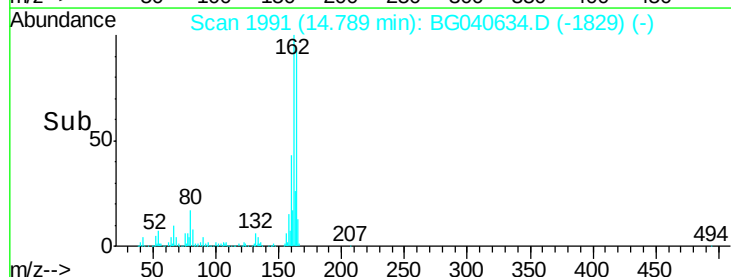
Abundance Ion 165.00 (164.70 to 165.70): E

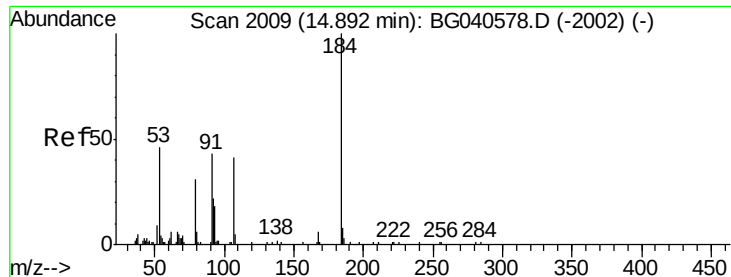
Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



Time--> 14.75 14.80 14.85

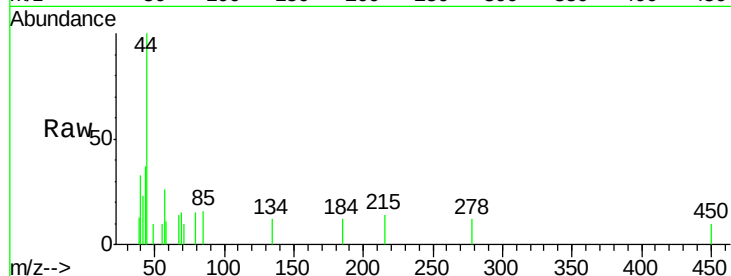




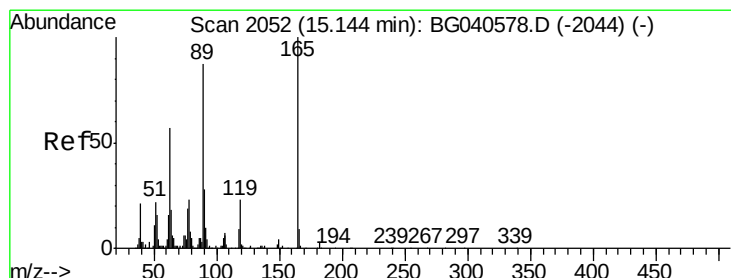
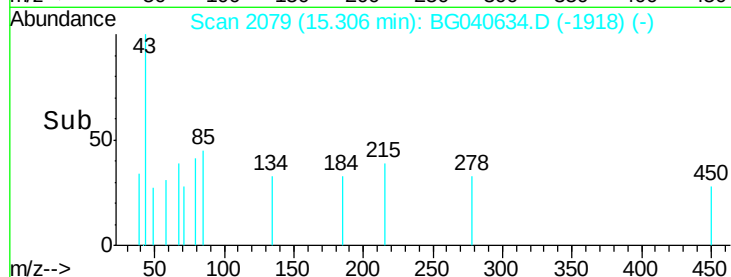
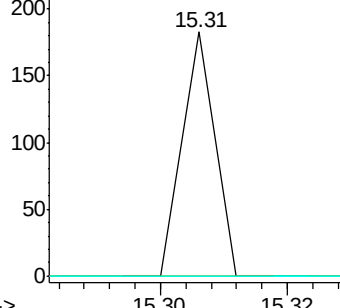
#54
2,4-Dinitrophenol
Concen: 7.051 ng
RT: 15.31 min Scan# 2079
Delta R.T. 0.41 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

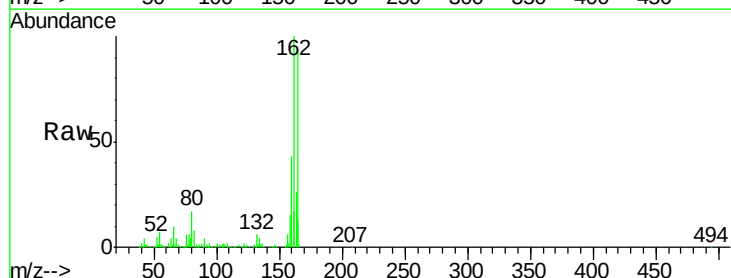


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

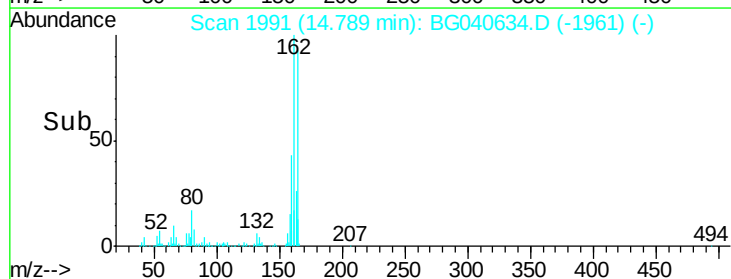
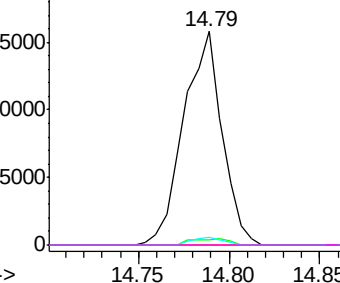


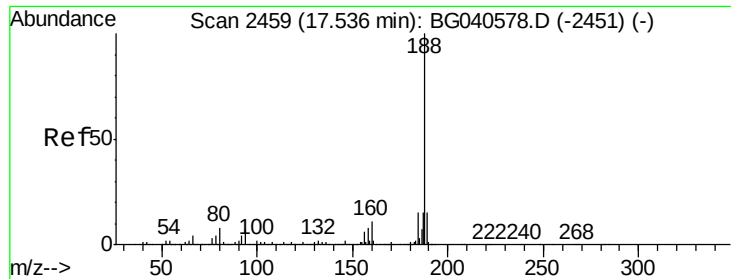
#57
2,4-Dinitrotoluene
Concen: 5.916 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040634.D
Acq: 26 Apr 2019 18:06

Tgt Ion:165 Resp: 23307
Ion Ratio Lower Upper
165 100
63 2.2 45.8 68.8#
89 3.7 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: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA_G

ClientSampleId :

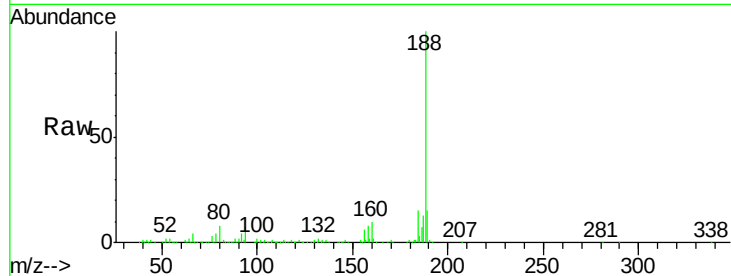
Tot Ion:188 Resp: 468045

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

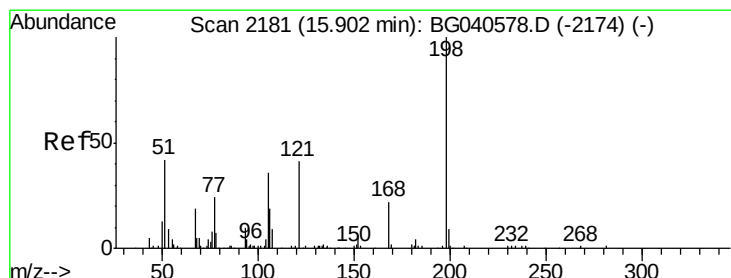
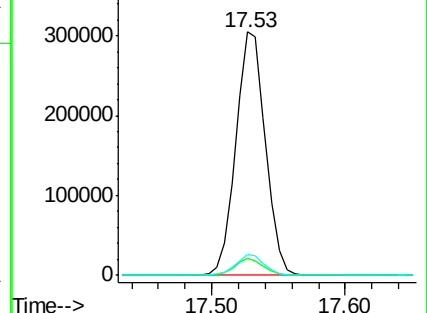
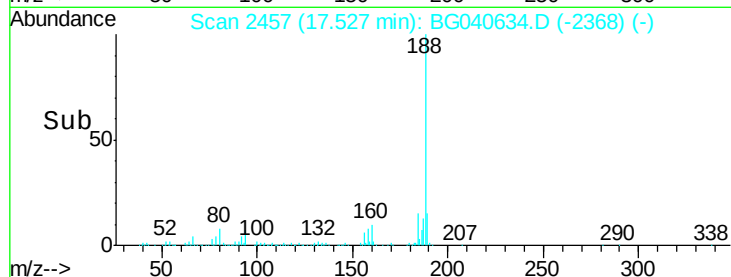
80 8.4 6.4 9.6



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: 7.392 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

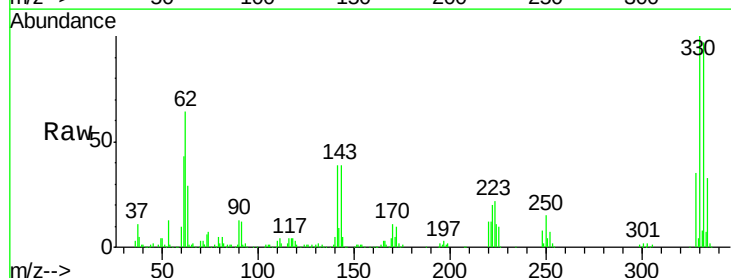
Tgt Ion:198 Resp: 786

Ion Ratio Lower Upper

198 100

51 26.5 35.9 75.9#

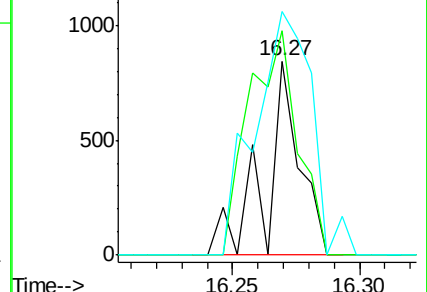
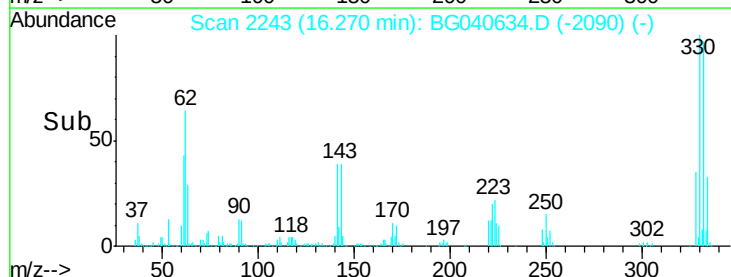
105 28.7 21.2 61.2

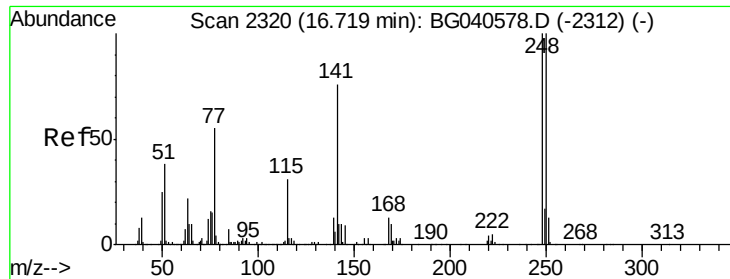


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.004 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA_G

ClientSampleId :

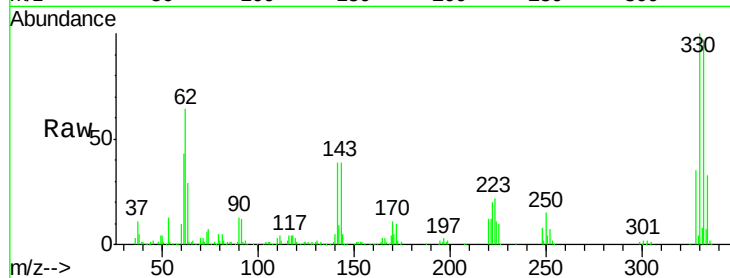
Tot Ion:248 Resp: 17514

Ion Ratio Lower Upper

248 100

250 187.6 79.8 119.6#

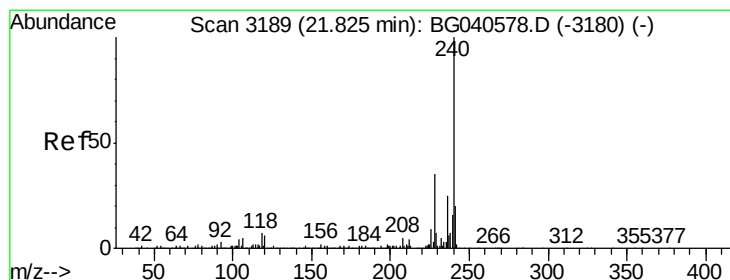
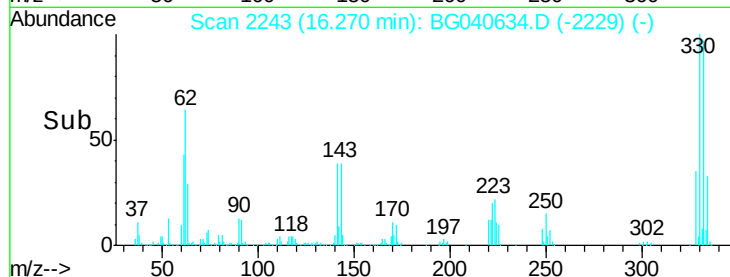
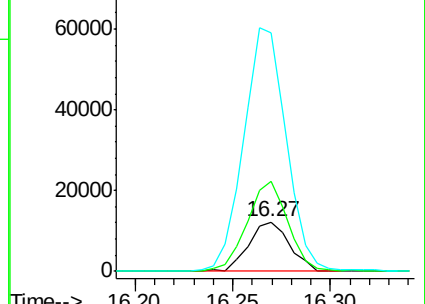
141 381.0 60.8 91.2#



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: BG040634.D

Acq: 26 Apr 2019 18:06

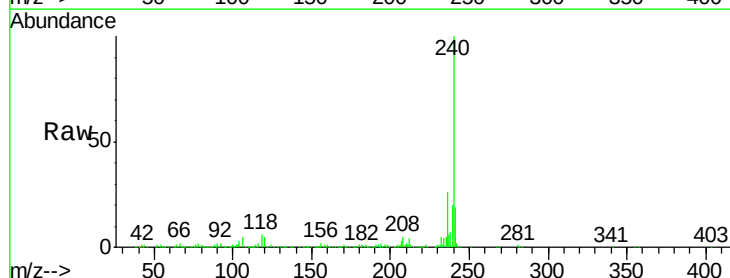
Tgt Ion:240 Resp: 463272

Ion Ratio Lower Upper

240 100

120 5.4 5.0 7.6

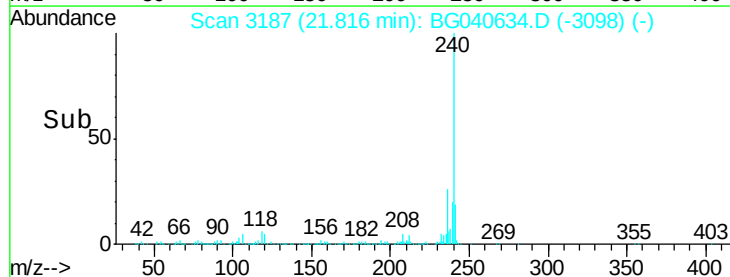
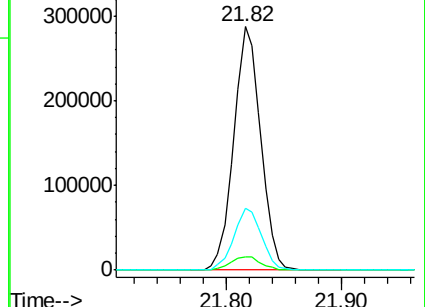
236 25.6 20.3 30.5

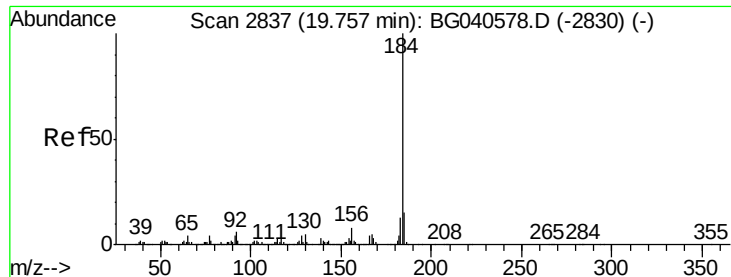


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.427 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

Instrument :

BNA_G

ClientSampleId :

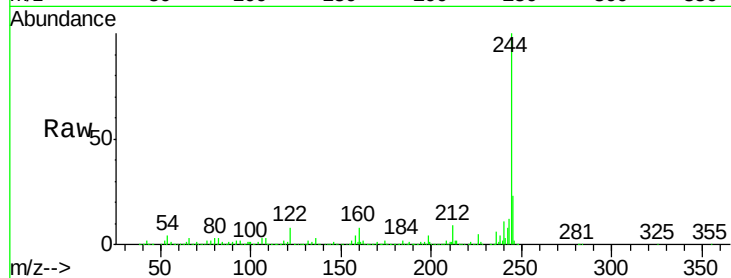
Tot Ion:184 Resp: 30786

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

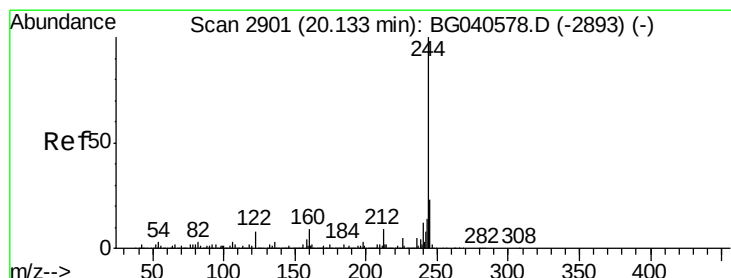
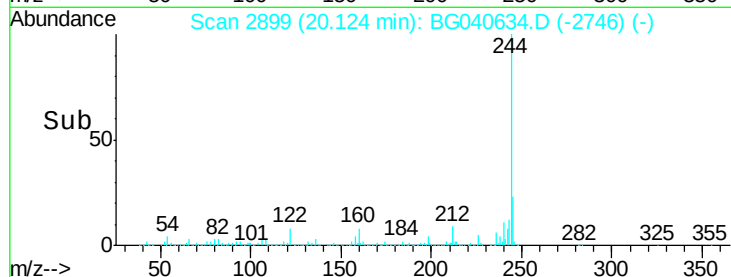
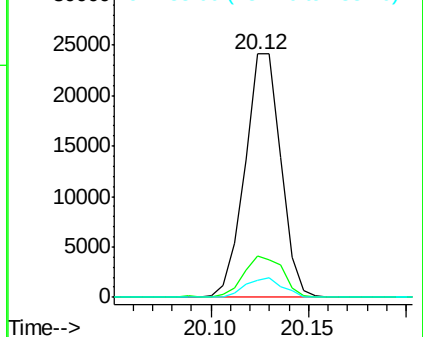
183 7.2 10.2 15.2#



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: 73.102 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040634.D

Acq: 26 Apr 2019 18:06

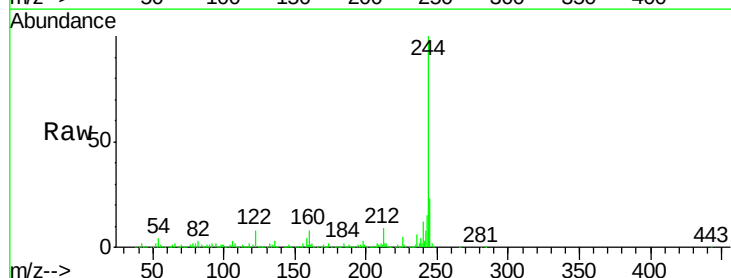
Tgt Ion:244 Resp: 1528645

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

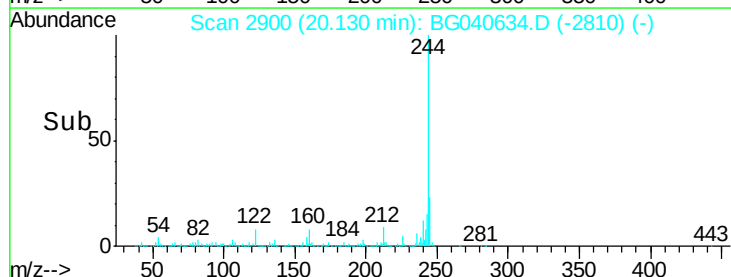
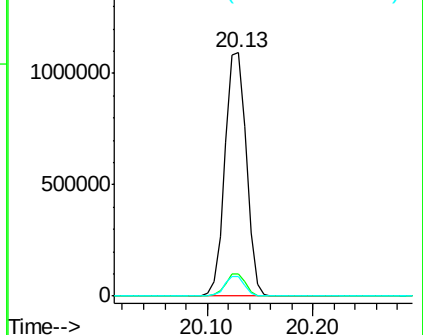
122 7.9 6.6 10.0

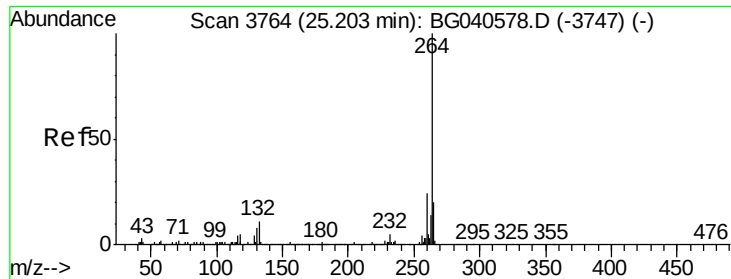


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG040634.D
Acq: 26 Apr 2019 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	16.6	25.0

