

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041432.D
 Acq On : 24 Jun 2019 21:52
 Operator : HP/JU
 Sample : K3500-10
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-B-061919

Quant Time: Jun 25 05:08:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	31257	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	124280	20.00	ng	-0.04
39) Acenaphthene-d10	14.69	164	91348	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	226146	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	224780	20.00	ng	-0.04
87) Perylene-d12	24.99	264	178889	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	95603	56.20	ng	-0.03
7) Phenol-d6	7.20	99	85917	34.84	ng	-0.03
23) Nitrobenzene-d5	9.23	82	239652	81.10	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	184271	131.40	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	608888	90.60	ng	-0.03
79) Terphenyl-d14	20.03	244	1068800	94.23	ng	-0.03

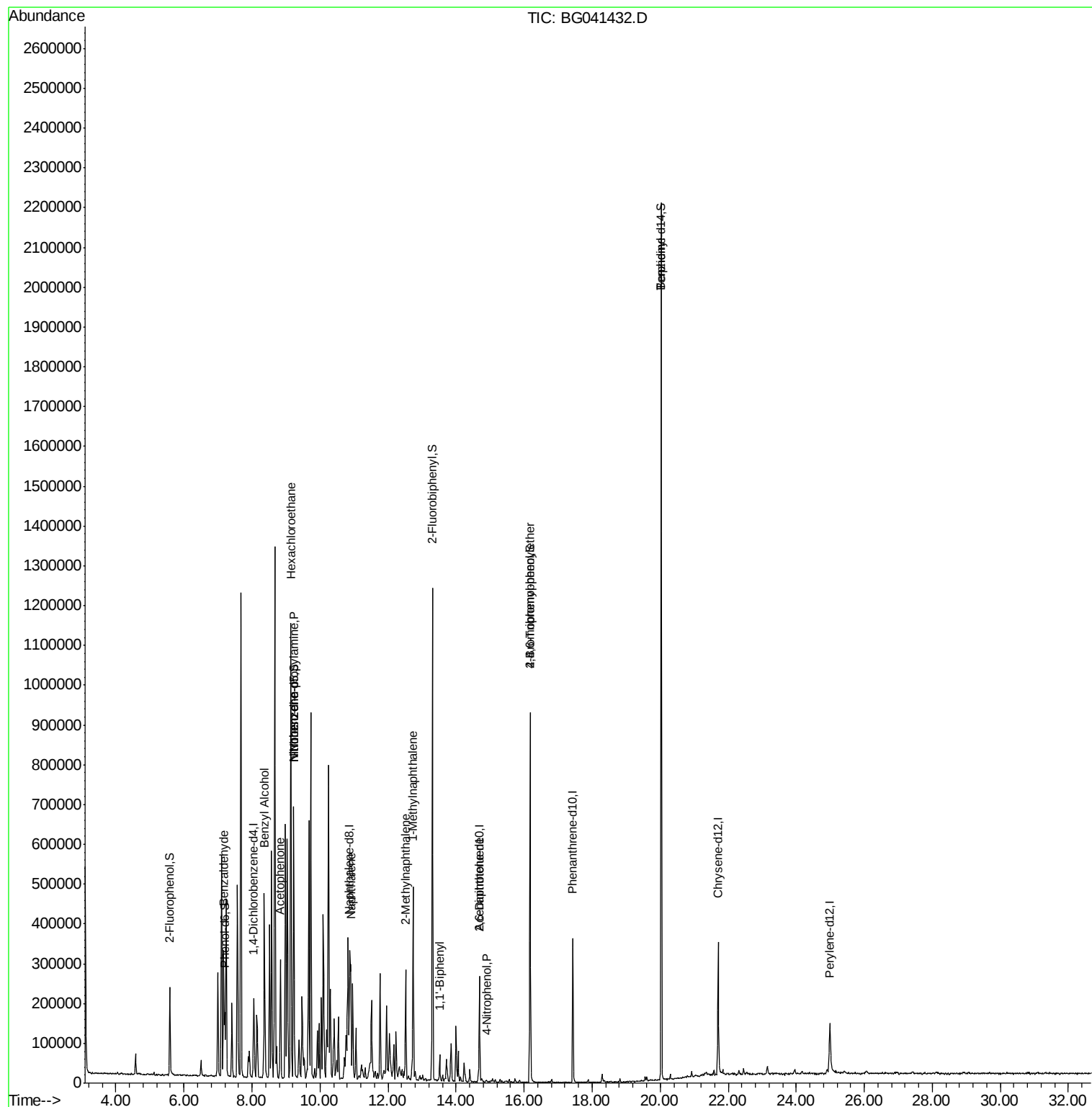
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	25154	15.949	ng	# 1
15) Benzyl Alcohol	8.36	79	4982	2.109	ng	# 52
18) Hexachloroethane	9.15	117	108814	107.408	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	33898	16.997	ng	# 82
22) Acetophenone	8.83	105	202146	55.894	ng	# 50
24) Nitrobenzene	9.23	77	13603	4.577	ng	# 19
31) Naphthalene	10.90	128	19074	2.824	ng	# 5
37) 2-Methylnaphthalene	12.52	142	126403	25.409	ng	98
38) 1-Methylnaphthalene	12.74	142	205622	43.201	ng	97
46) 1,1'-Biphenyl	13.52	154	33485	4.849	ng	96
51) 2,6-Dinitrotoluene	14.69	165	13945	8.137	ng	# 18
56) 4-Nitrophenol	14.89	139	211	3.374	ng	# 1
67) 4-Bromophenyl-phenylether	16.17	248	13116	4.485	ng	# 1
77) Benzidine	20.03	184	16914	3.111	ng	95

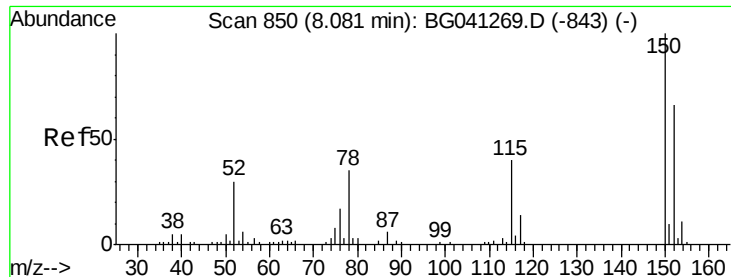
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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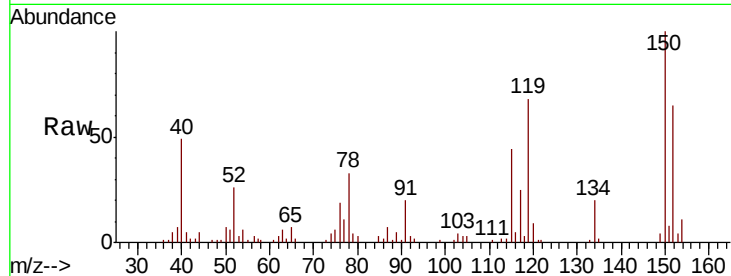




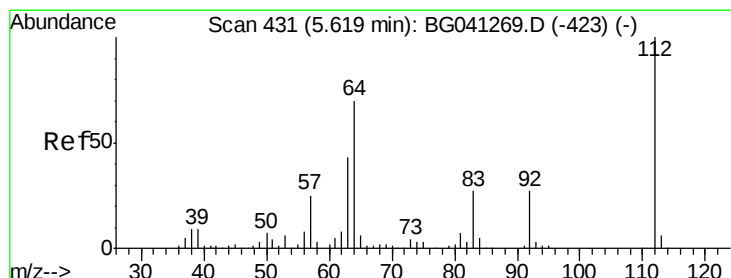
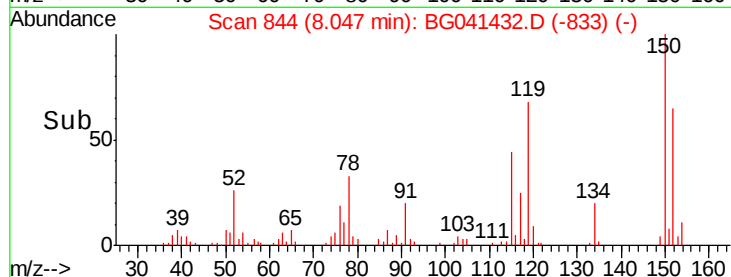
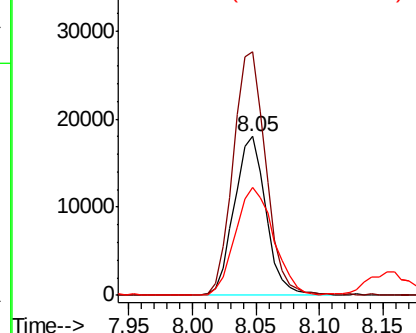
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.03 min
 Lab File: BG041432.D
 Acq: 24 Jun 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 GW-B-061919

Tgt Ion:152 Resp: 31257
 Ion Ratio Lower Upper
 152 100
 150 153.1 120.6 181.0
 115 68.0 47.9 71.9

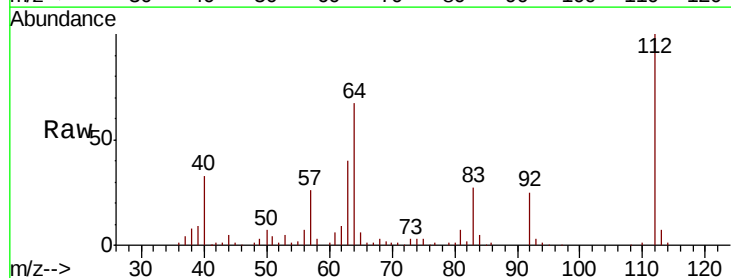


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

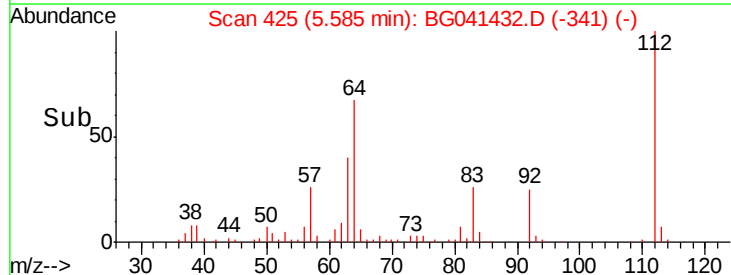
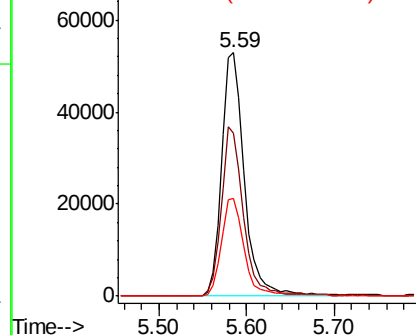


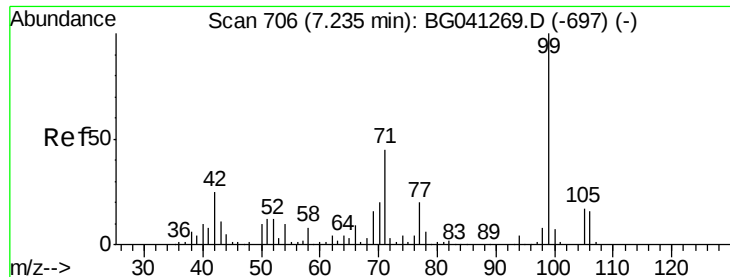
#5
 2-Fluorophenol
 Concen: 56.199 ng
 RT: 5.59 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: BG041432.D
 Acq: 24 Jun 2019 21:52

Tgt Ion:112 Resp: 95603
 Ion Ratio Lower Upper
 112 100
 64 66.9 55.9 83.9
 63 39.9 34.6 51.8



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: 34.843 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

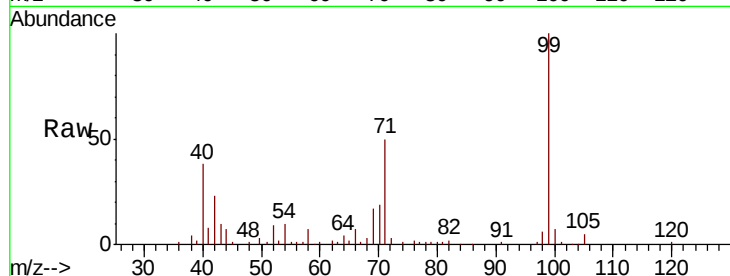
Tgt Ion: 99 Resp: 85917

Ion Ratio Lower Upper

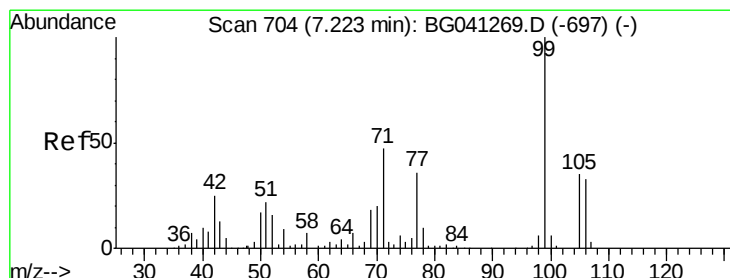
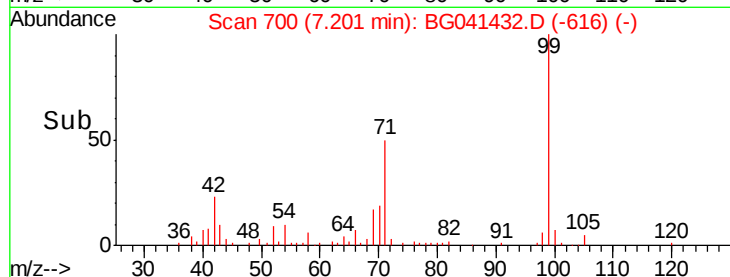
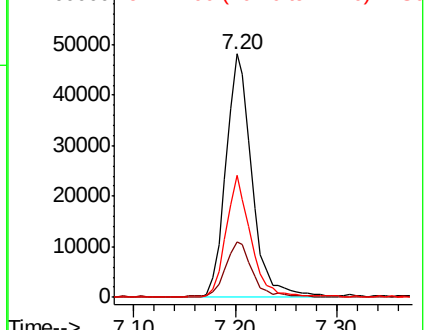
99 100

42 22.6 19.9 29.9

71 50.0 36.4 54.6



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



#9

Benzaldehyde

Concen: 15.949 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.06 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

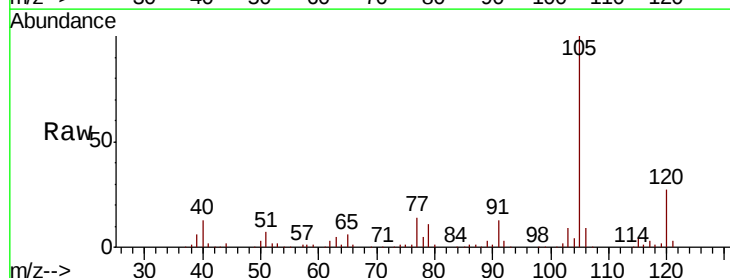
Tgt Ion: 77 Resp: 25154

Ion Ratio Lower Upper

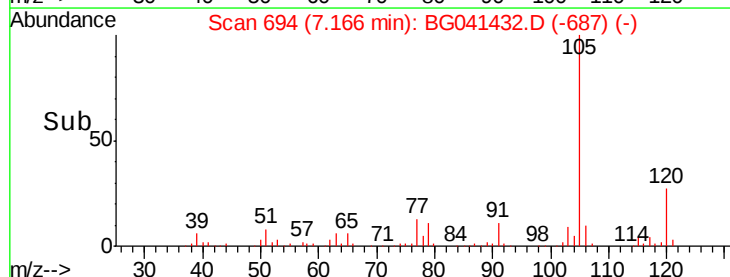
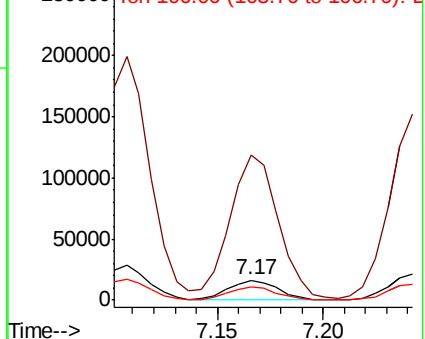
77 100

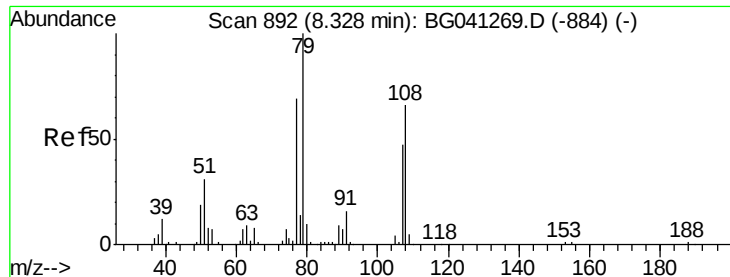
105 738.0 78.7 118.7#

106 67.0 71.1 111.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 2.109 ng

RT: 8.36 min Scan# 898

Delta R.T. 0.04 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

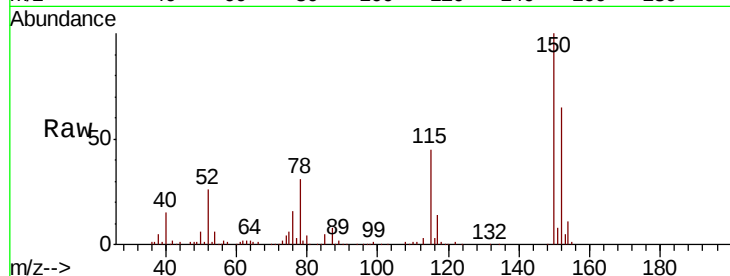
Tgt Ion: 79 Resp: 4982

Ion Ratio Lower Upper

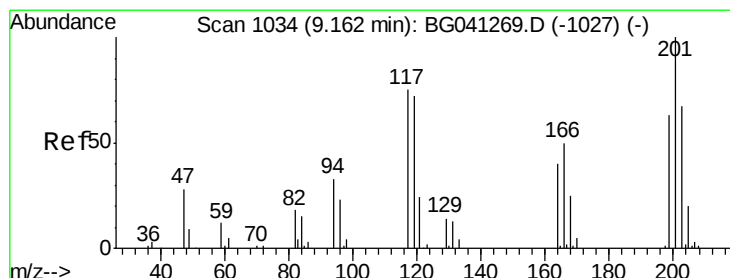
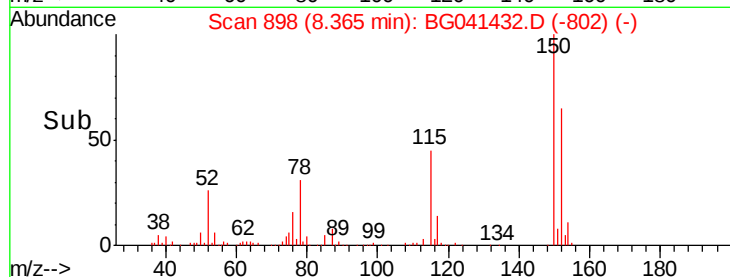
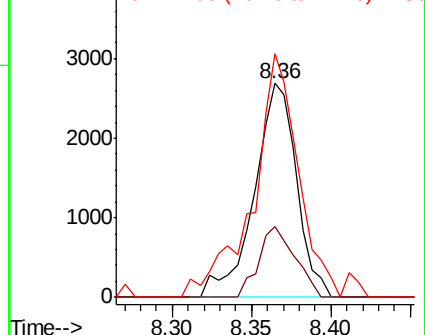
79 100

108 33.3 52.7 79.1#

77 113.8 55.2 82.8#



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



#18

Hexachloroethane

Concen: 107.408 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

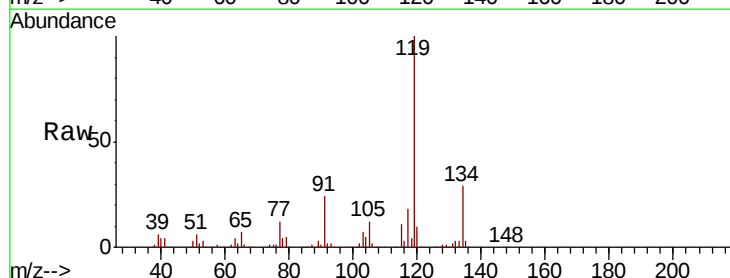
Tgt Ion: 117 Resp: 108814

Ion Ratio Lower Upper

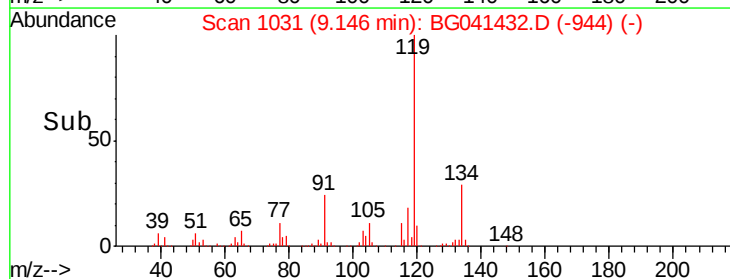
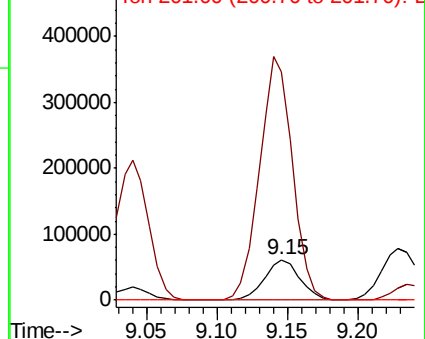
117 100

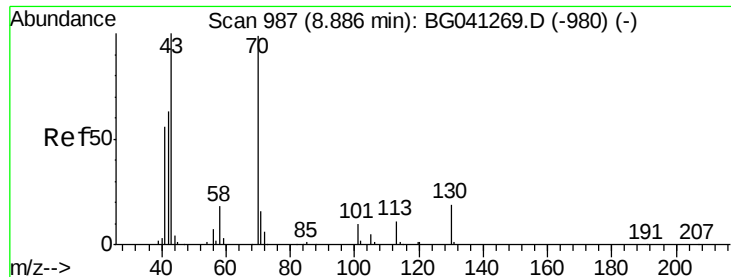
119 570.0 76.8 115.2#

201 0.0 106.3 159.5#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 119.00 (118.70 to 119.70): BGC
Ion 201.00 (200.70 to 201.70): BGC

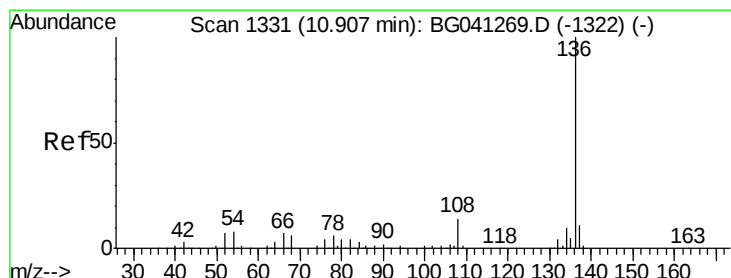
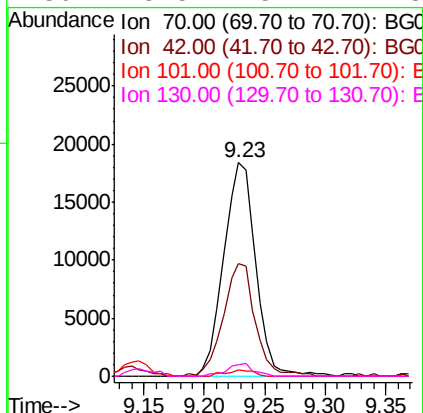
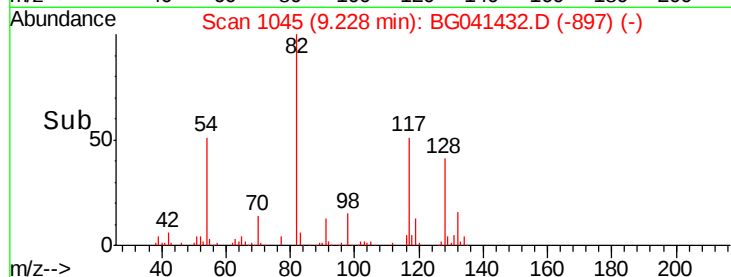
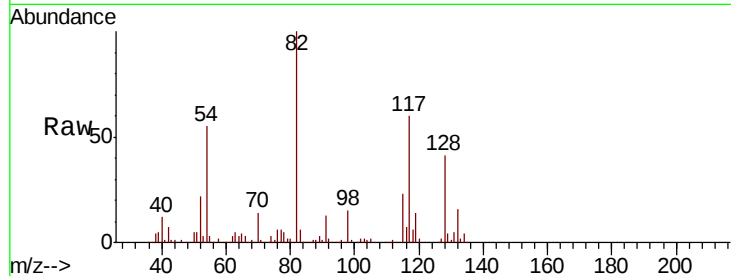




#19
n-Nitroso-di-n-propylamine
Concen: 16.997 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

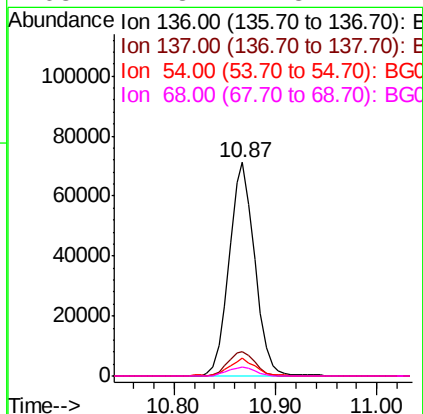
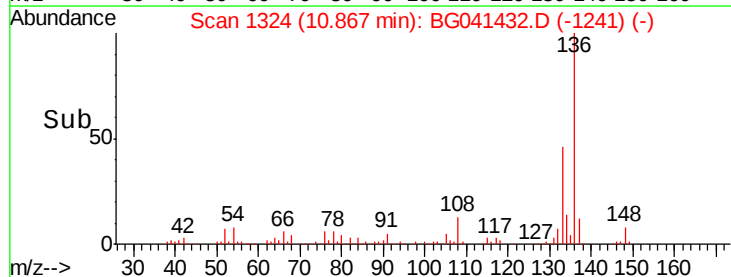
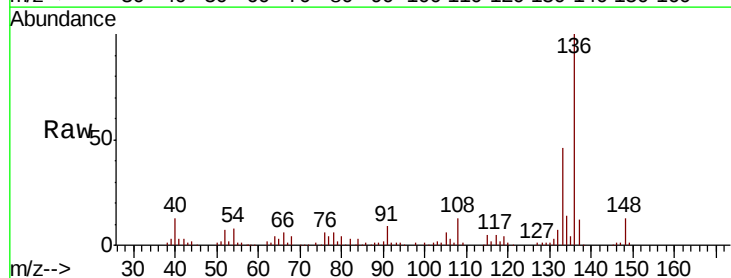
Instrument :
BNA_G
ClientSampleId :
GW-B-061919

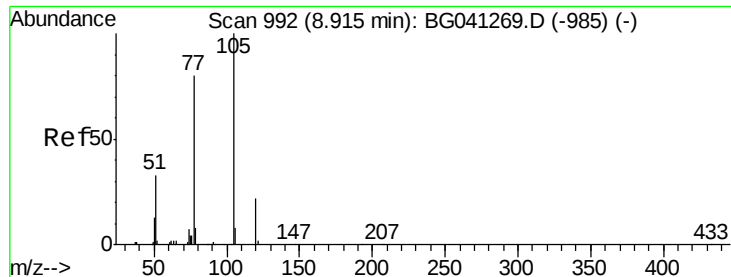
Tgt Ion: 70 Resp: 33898
Ion Ratio Lower Upper
70 100
42 52.5 51.4 77.2
101 3.1 8.2 12.2#
130 5.5 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

Tgt Ion: 136 Resp: 124280
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 8.2 6.4 9.6
68 4.3 4.8 7.2#





#22

Acetophenone

Concen: 55.894 ng

RT: 8.83 min Scan# 978

Delta R.T. -0.08 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

Tgt Ion: 105 Resp: 202146

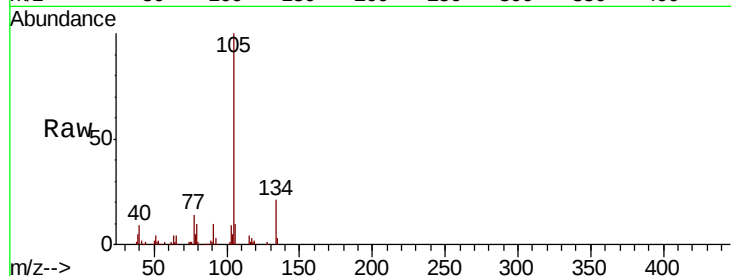
Ion Ratio Lower Upper

105 100

71 0.0 0.4 0.6#

51 4.5 28.2 42.4#

120 0.3 17.4 26.0#

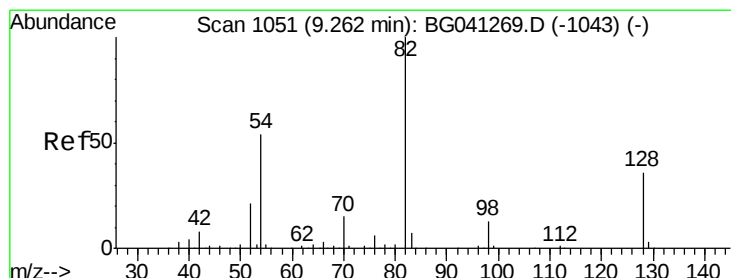
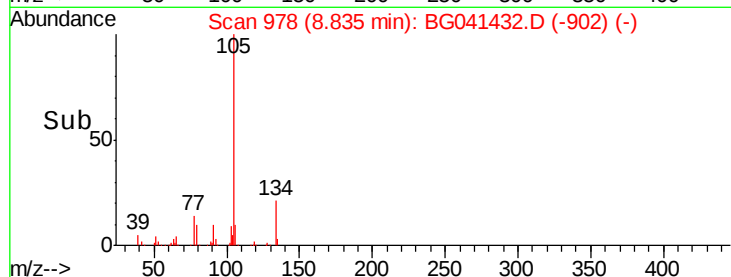
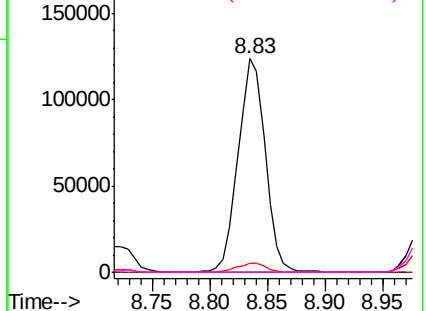


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 81.098 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

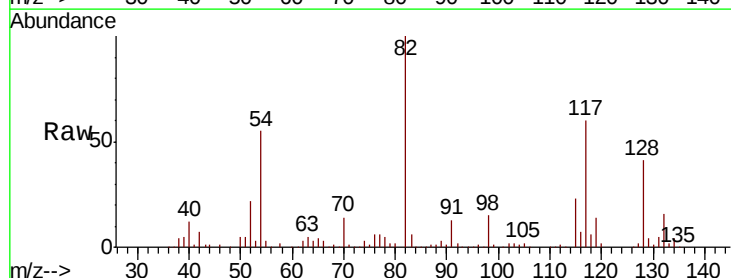
Tgt Ion: 82 Resp: 239652

Ion Ratio Lower Upper

82 100

128 40.9 29.2 43.8

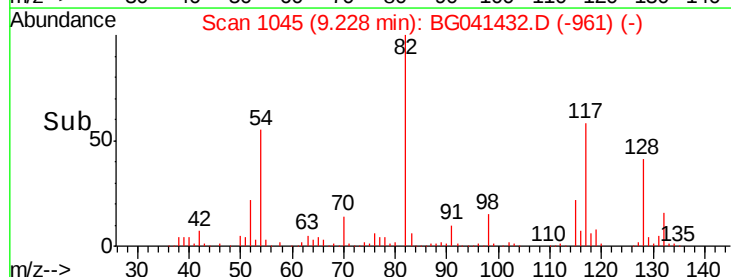
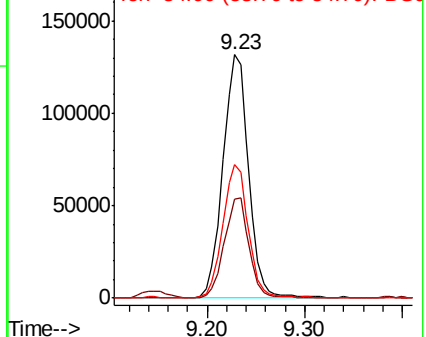
54 54.7 43.4 65.0

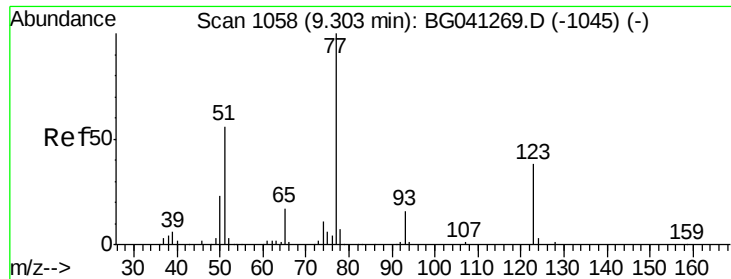


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 4.577 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.07 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

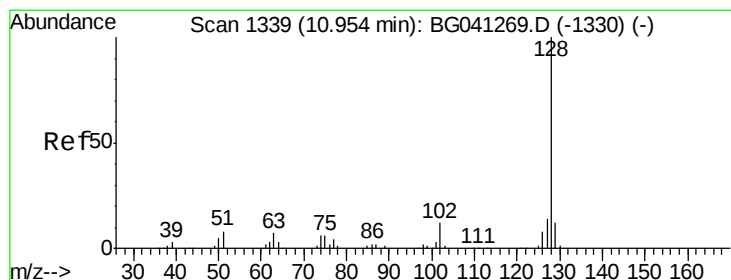
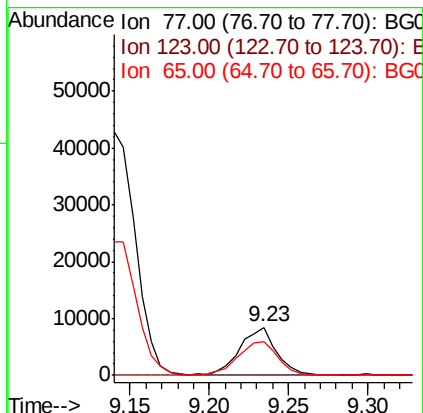
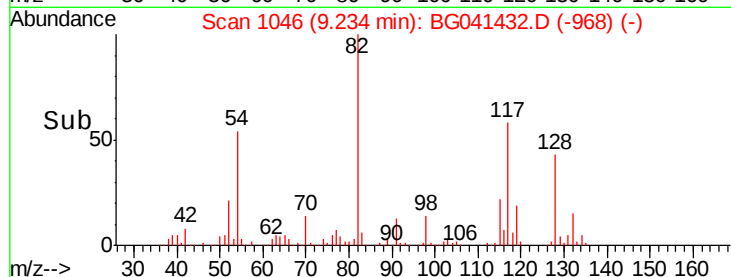
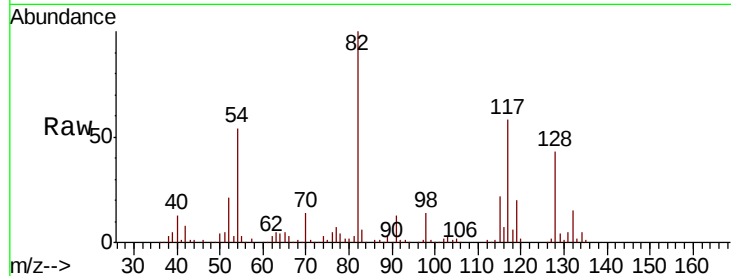
Tgt Ion: 77 Resp: 13603

Ion Ratio Lower Upper

77 100

123 0.0 30.4 45.6#

65 69.3 13.3 19.9#



#31

Naphthalene

Concen: 2.824 ng

RT: 10.90 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

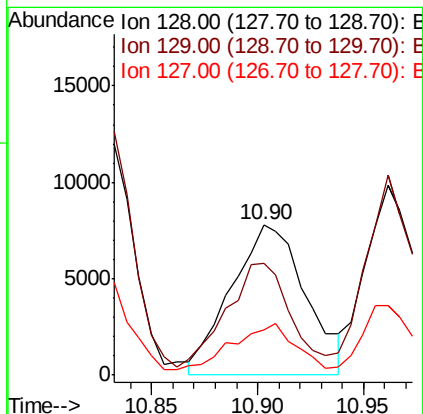
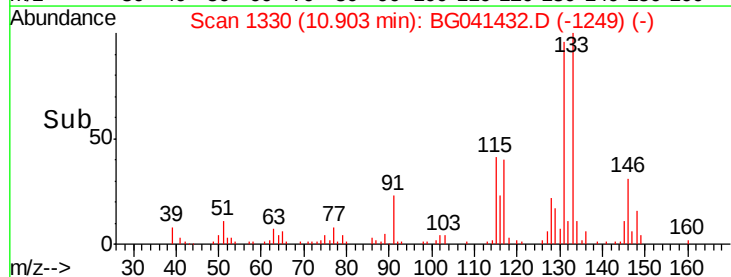
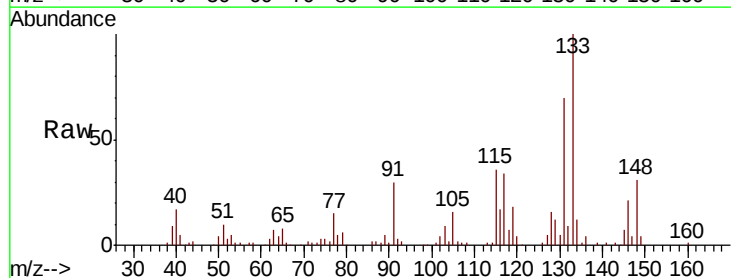
Tgt Ion: 128 Resp: 19074

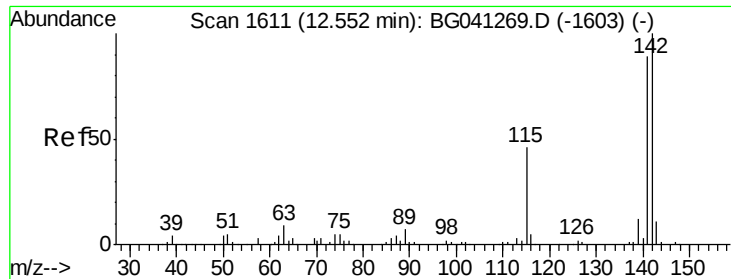
Ion Ratio Lower Upper

128 100

129 74.3 9.4 14.0#

127 30.1 11.2 16.8#

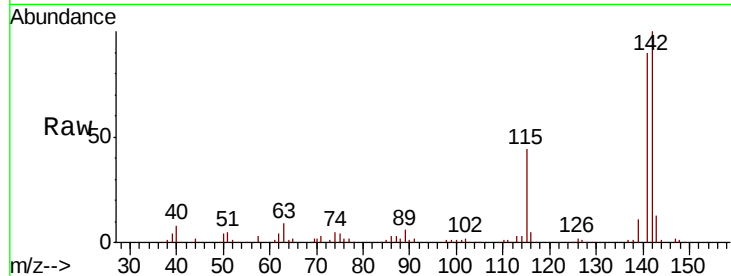




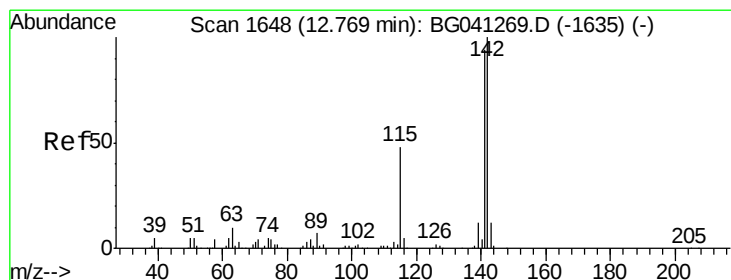
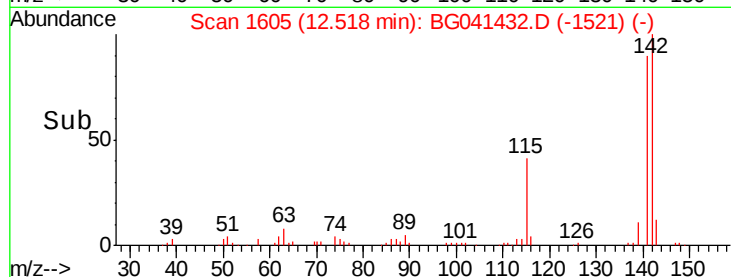
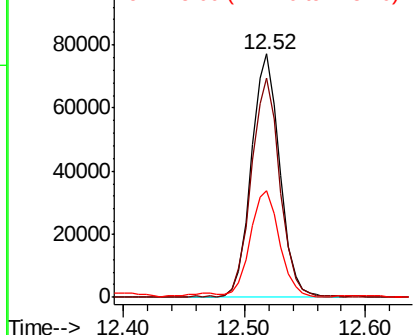
#37
2-Methylnaphthalene
Concen: 25.409 ng
RT: 12.52 min Scan# 1605
Delta R.T. -0.03 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

Instrument :
BNA_G
ClientSampleID :
GW-B-061919

Tgt Ion:142 Resp: 126403
Ion Ratio Lower Upper
142 100
141 90.3 71.5 107.3
115 43.9 37.0 55.6

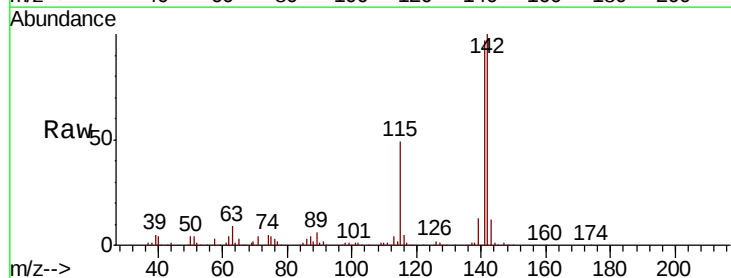


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

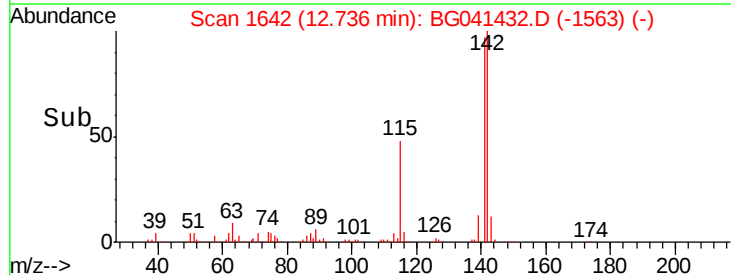
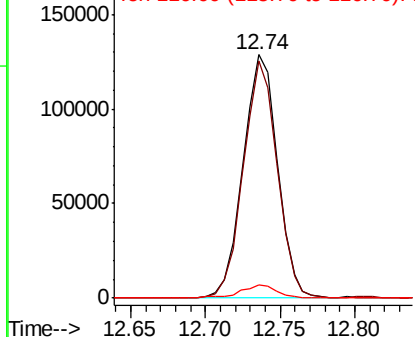


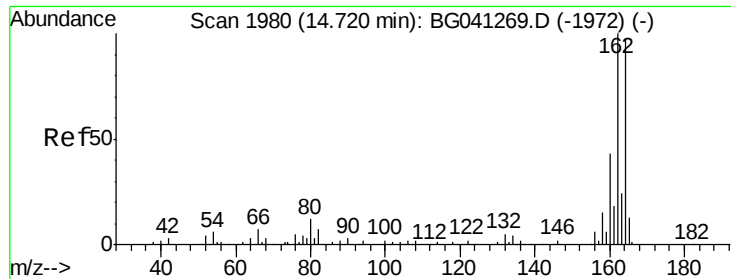
#38
1-Methylnaphthalene
Concen: 43.201 ng
RT: 12.74 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

Tgt Ion:142 Resp: 205622
Ion Ratio Lower Upper
142 100
141 97.2 75.0 112.6
116 5.2 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

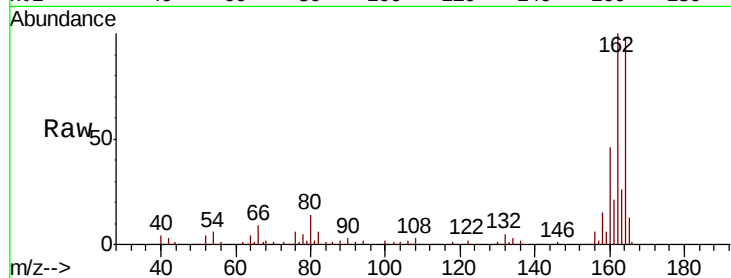




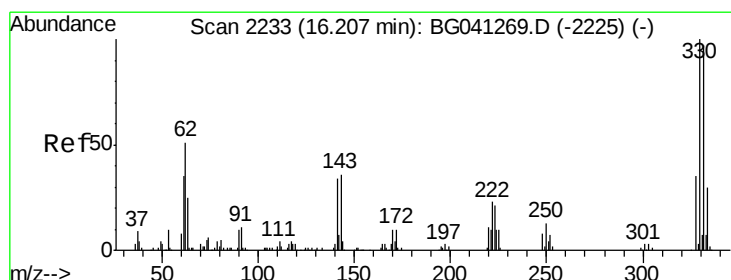
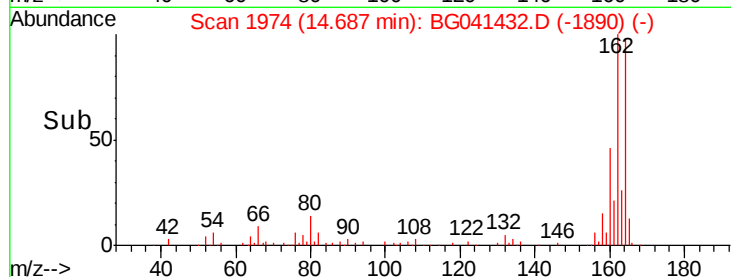
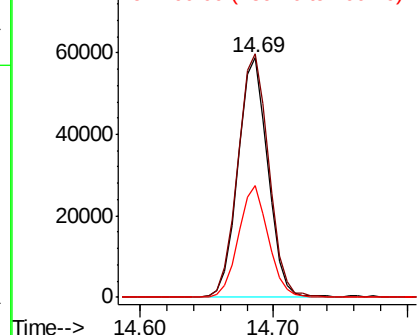
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

Instrument :
BNA_G
ClientSampleId :
GW-B-061919

Tgt Ion:164 Resp: 91348
Ion Ratio Lower Upper
164 100
162 101.8 82.8 124.2
160 47.0 35.8 53.8

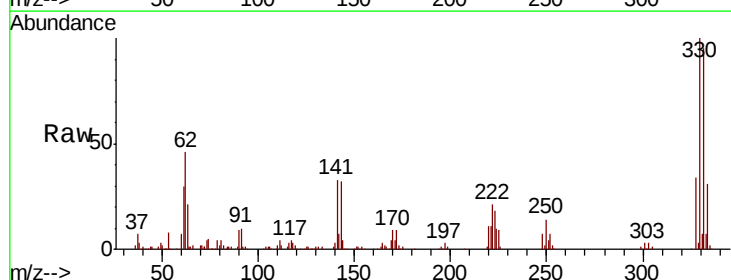


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

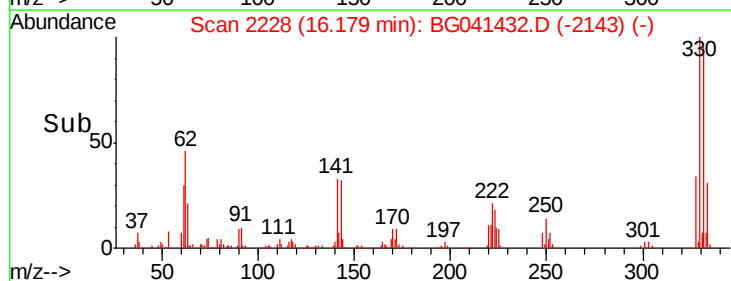
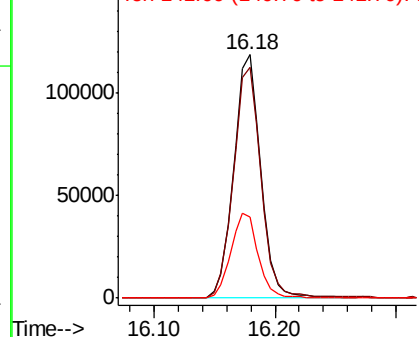


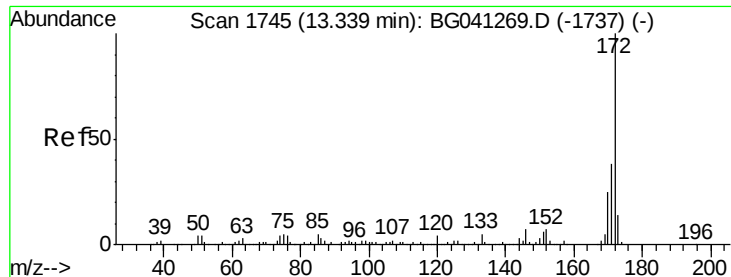
#42
2,4,6-Tribromophenol
Concen: 131.397 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.03 min
Lab File: BG041432.D
Acq: 24 Jun 2019 21:52

Tgt Ion:330 Resp: 184271
Ion Ratio Lower Upper
330 100
332 97.8 75.5 113.3
141 35.4 29.0 43.4



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: 90.596 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

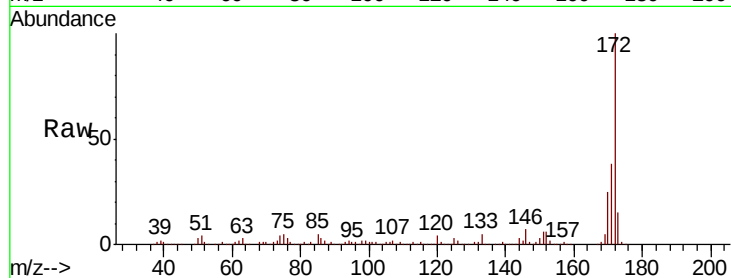
Tgt Ion:172 Resp: 608888

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

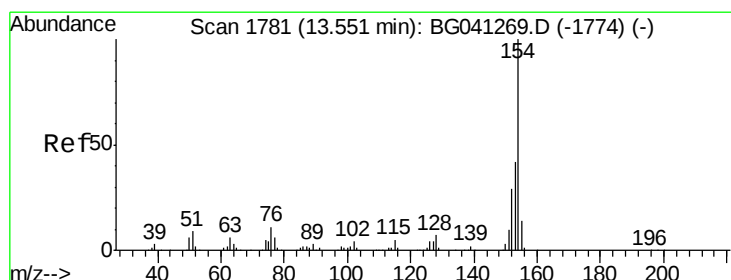
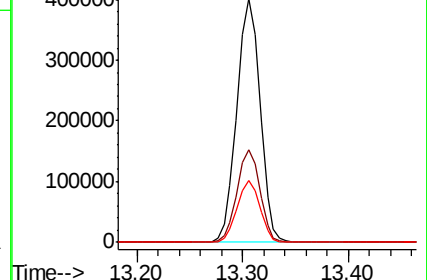
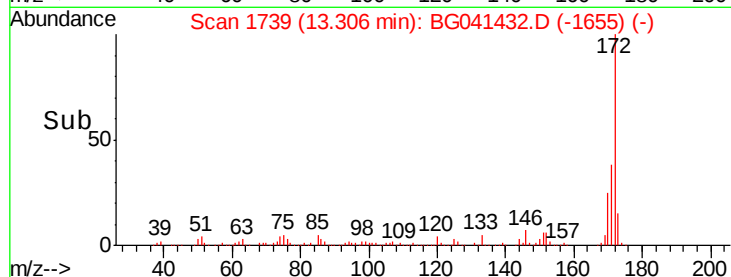
170 25.4 19.8 29.6



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



#46

1,1'-Biphenyl

Concen: 4.849 ng

RT: 13.52 min Scan# 1775

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

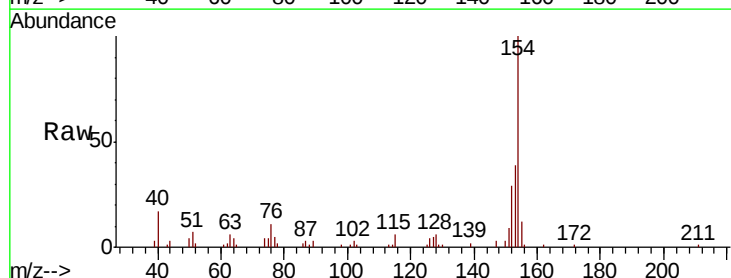
Tgt Ion:154 Resp: 33485

Ion Ratio Lower Upper

154 100

153 39.2 22.3 62.3

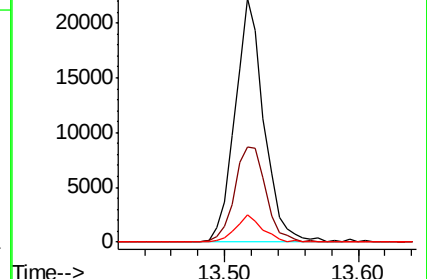
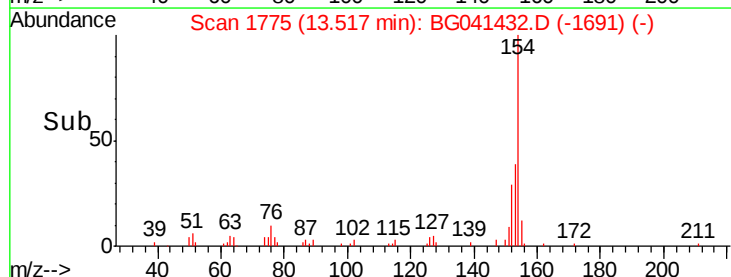
76 11.3 0.0 30.8

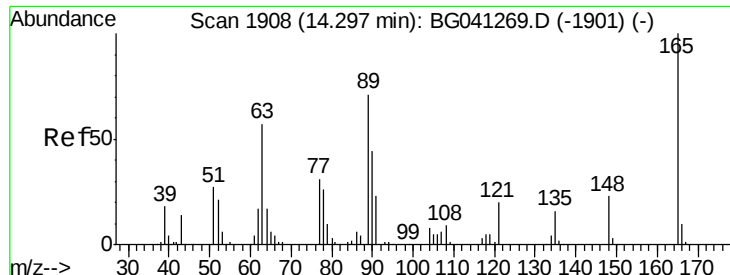


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

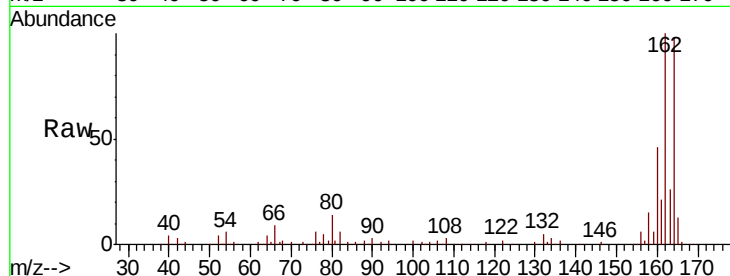




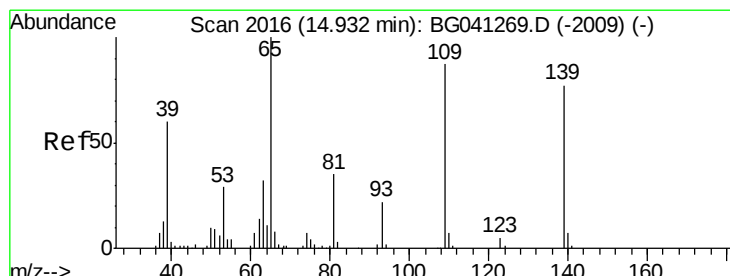
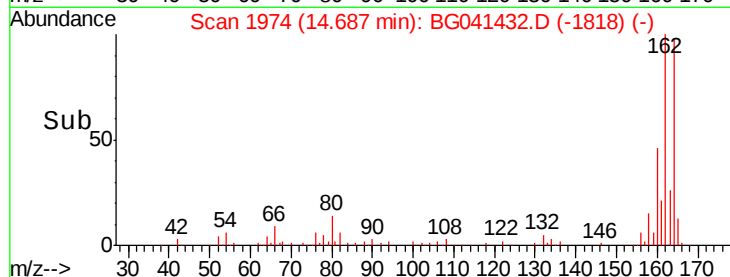
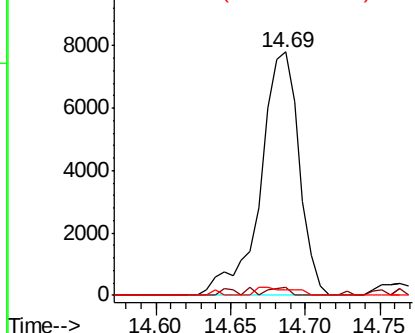
#51
 2,6-Dinitrotoluene
 Concen: 8.137 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.39 min
 Lab File: BG041432.D
 Acq: 24 Jun 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 GW-B-061919

Tgt Ion:165 Resp: 13945
 Ion Ratio Lower Upper
 165 100
 63 3.5 55.4 83.0#
 89 2.0 56.5 84.7#

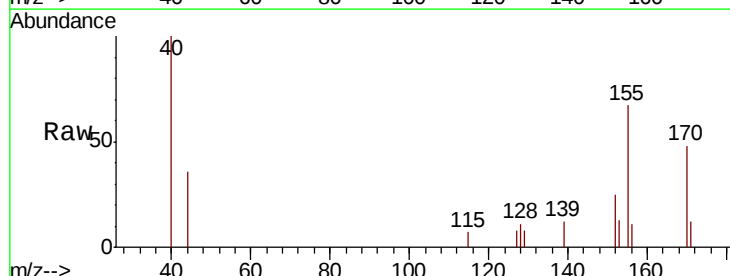


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

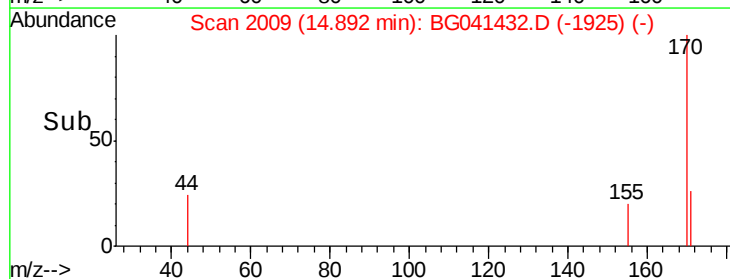
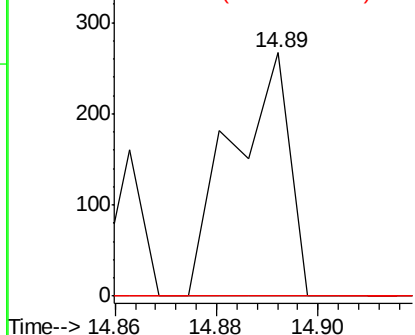


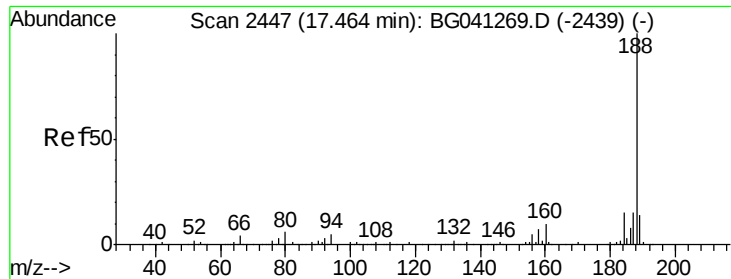
#56
 4-Nitrophenol
 Concen: 3.374 ng
 RT: 14.89 min Scan# 2009
 Delta R.T. -0.04 min
 Lab File: BG041432.D
 Acq: 24 Jun 2019 21:52

Tgt Ion:139 Resp: 211
 Ion Ratio Lower Upper
 139 100
 109 0.0 93.2 133.2#
 65 0.0 110.2 150.2#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

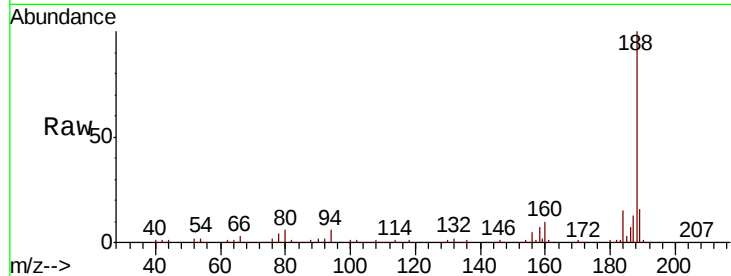
Tgt Ion:188 Resp: 226146

Ion Ratio Lower Upper

188 100

94 5.8 3.6 5.4#

80 6.2 4.8 7.2



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

200000

150000

100000

50000

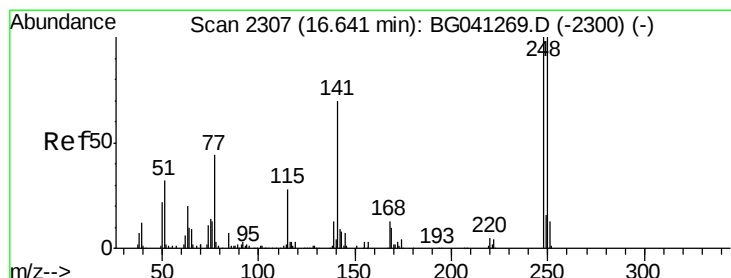
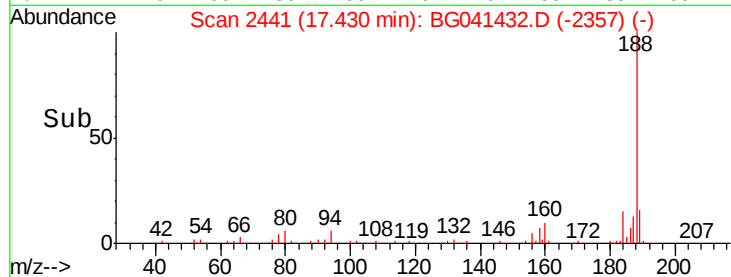
0

17.43

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.485 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

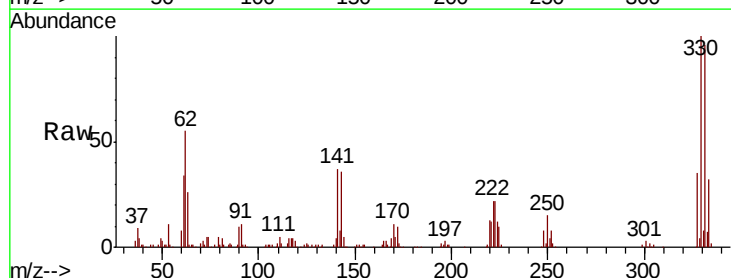
Tgt Ion:248 Resp: 13116

Ion Ratio Lower Upper

248 100

250 192.7 79.8 119.8#

141 485.8 55.8 83.6#



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

50000

40000

30000

20000

10000

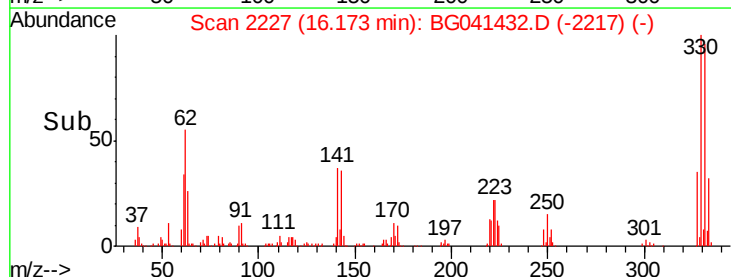
0

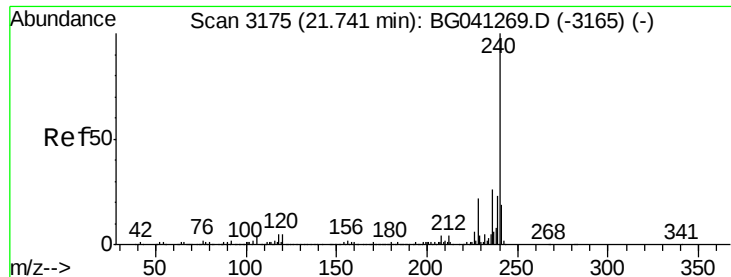
16.17

16.10

16.20

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

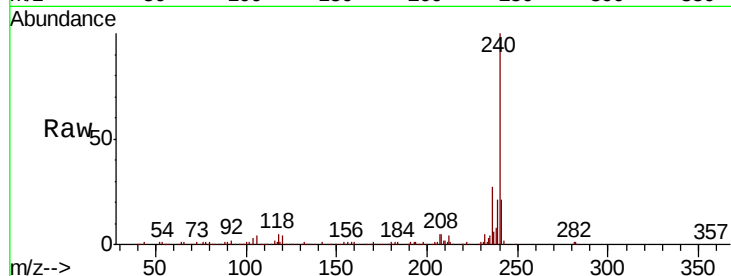
Tgt Ion:240 Resp: 224780

Ion Ratio Lower Upper

240 100

120 3.9 3.7 5.5

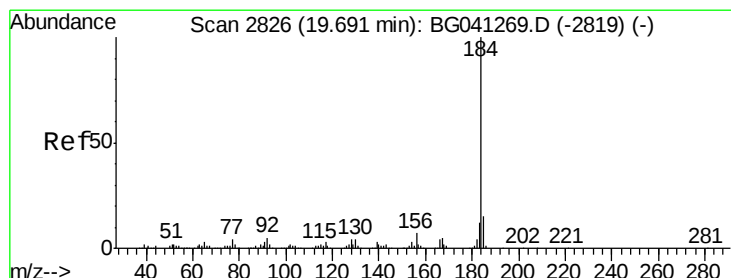
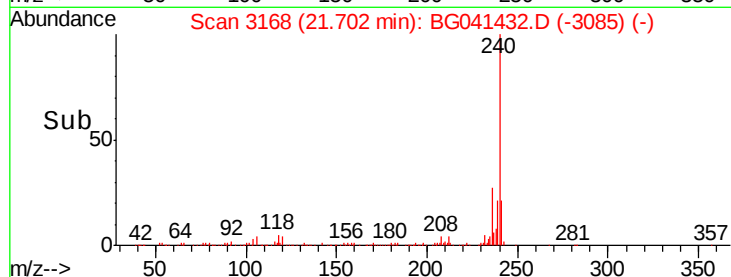
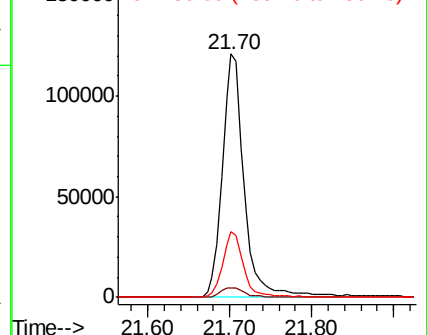
236 27.0 21.1 31.7



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: 3.111 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

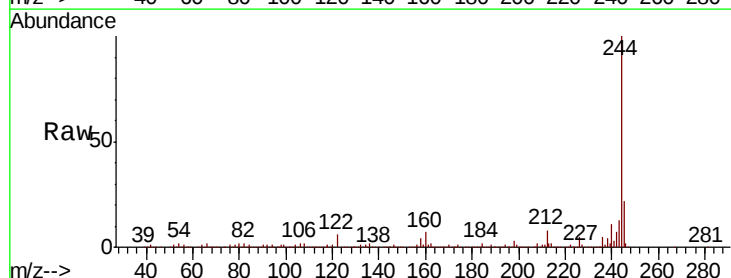
Tgt Ion:184 Resp: 16914

Ion Ratio Lower Upper

184 100

185 18.2 12.2 18.2

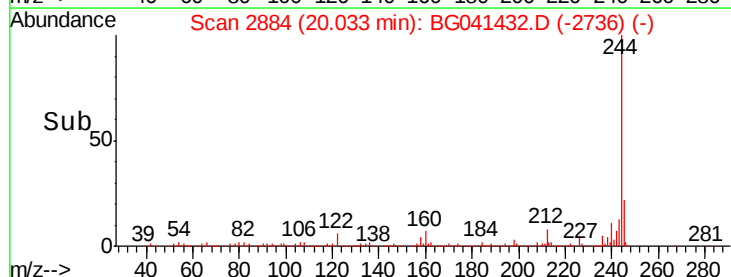
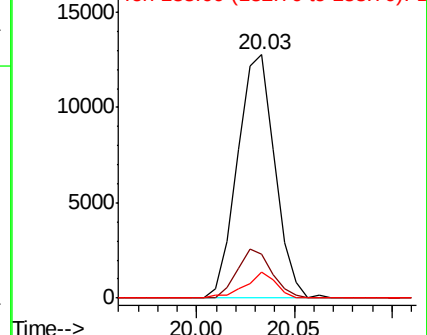
183 10.8 9.6 14.4

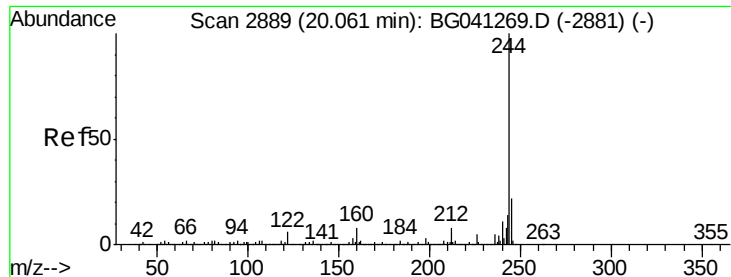


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.232 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

Instrument :

BNA_G

ClientSampleId :

GW-B-061919

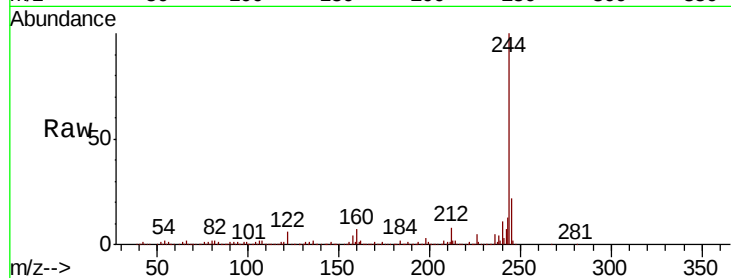
Tgt Ion:244 Resp: 1068800

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

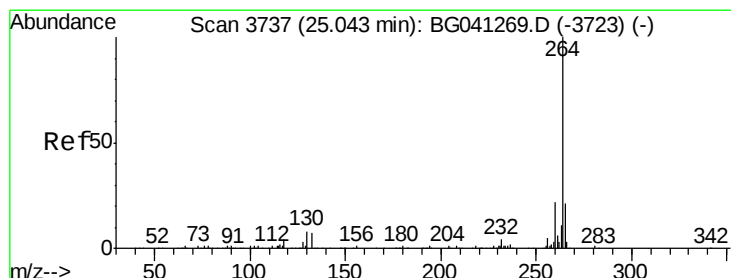
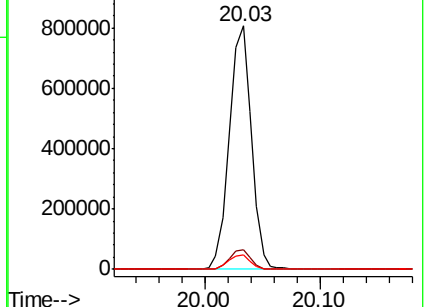
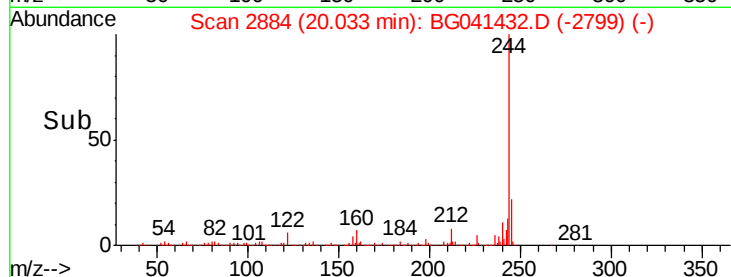
122 6.0 5.0 7.4



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: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041432.D

Acq: 24 Jun 2019 21:52

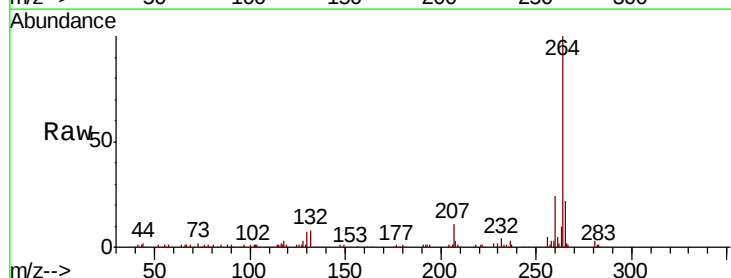
Tgt Ion:264 Resp: 178889

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.2

265 21.6 17.2 25.8



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

