

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
 Data File : BG043577.D
 Acq On : 8 Nov 2019 19:58
 Operator : JU
 Sample : K5742-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-18-(12-14)

Quant Time: Nov 11 00:33:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	29878	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	113094	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	84927	20.00	ng	-0.01
64) Phenanthrene-d10	17.38	188	199540	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	199397	20.00	ng	-0.01
87) Perylene-d12	24.84	264	228727	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	167868	102.96	ng	0.01
7) Phenol-d6	7.20	99	238678	101.74	ng	0.00
23) Nitrobenzene-d5	9.17	82	143653	65.49	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	153847	95.19	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	369472	60.11	ng	-0.01
79) Terphenyl-d14	19.99	244	703738	66.21	ng	-0.01

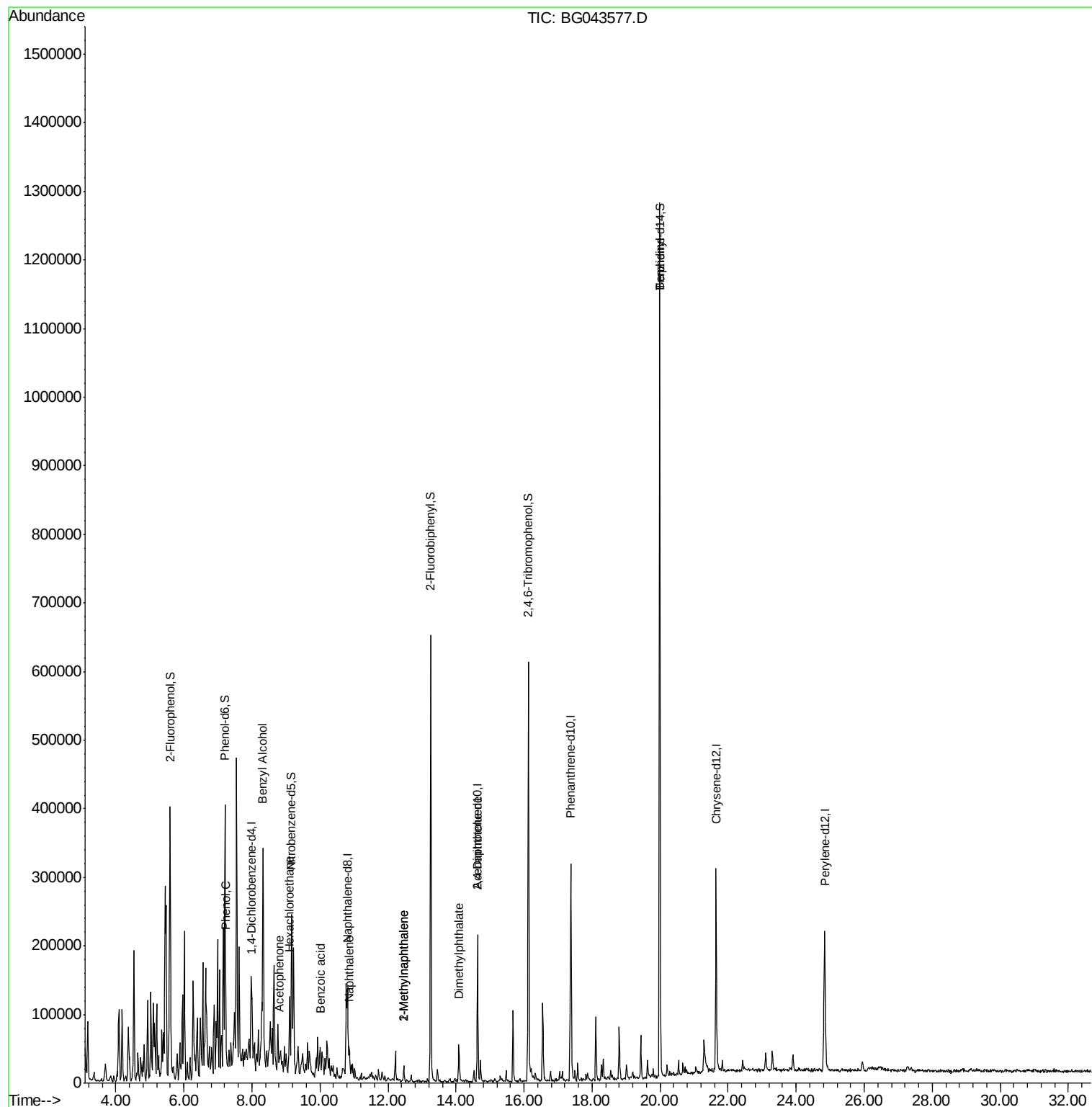
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.23	94	9572	4.465	ng	74
15) Benzyl Alcohol	8.32	79	7385	4.482	ng	# 58
18) Hexachloroethane	9.11	117	7451	9.051	ng	# 1
22) Acetophenone	8.81	105	12235	4.224	ng	# 59
31) Naphthalene	10.86	128	21111	3.677	ng	# 93
32) Benzoic acid	10.02	122	163	9.169	ng	# 1
37) 2-Methylnaphthalene	12.47	142	13886	3.153	ng	# 89
38) 1-Methylnaphthalene	12.47	142	13886	3.313	ng	# 89
50) Dimethylphthalate	14.08	163	42632	6.481	ng	# 94
57) 2,4-Dinitrotoluene	14.63	165	11953	5.853	ng	# 25
77) Benzidine	19.99	184	10145	2.528	ng	# 92

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
Data File : BG043577.D
Acq On : 8 Nov 2019 19:58
Operator : JU
Sample : K5742-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-18-(12-14)

Quant Time: Nov 11 00:33:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration



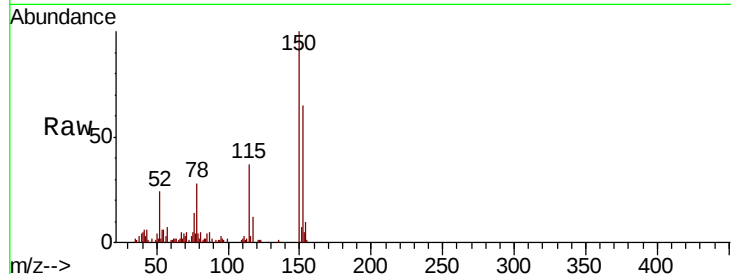


#1

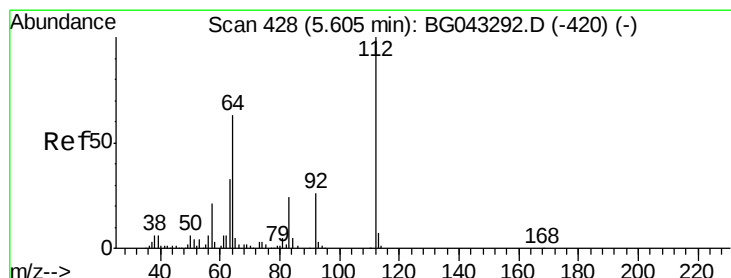
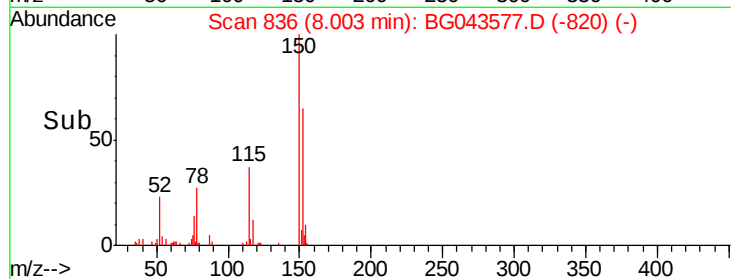
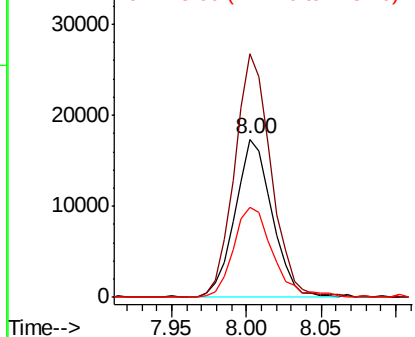
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

Instrument :
BNA_G
ClientSampleId :
SB-18-(12-14)

Tot Ion:152 Resp: 29878
Ion Ratio Lower Upper
152 100
150 154.2 129.4 194.0
115 57.4 48.8 73.2



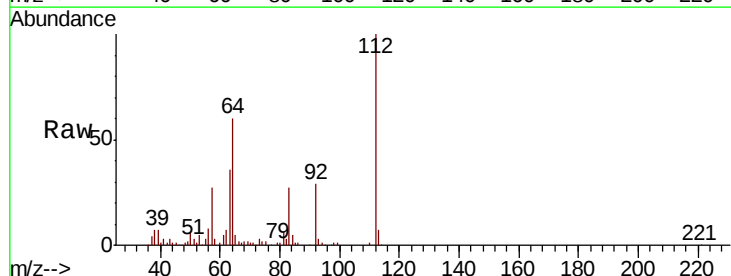
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



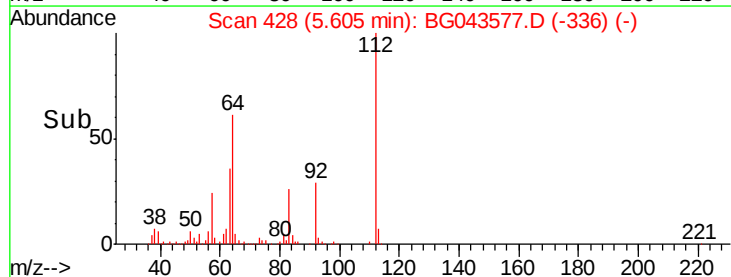
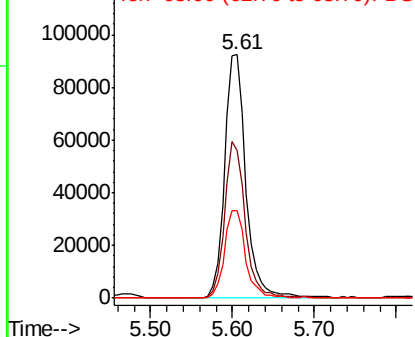
#5

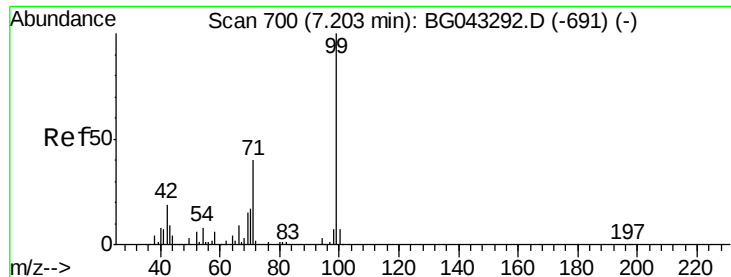
2-Fluorophenol
Concen: 102.955 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

Tgt Ion:112 Resp: 167868
Ion Ratio Lower Upper
112 100
64 60.5 50.0 75.0
63 35.9 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 101.743 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

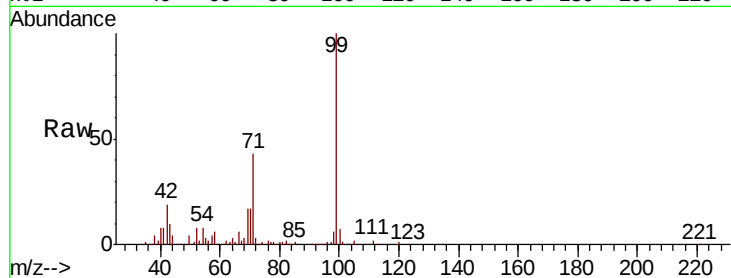
Tot Ion: 99 Resp: 238678

Ion Ratio Lower Upper

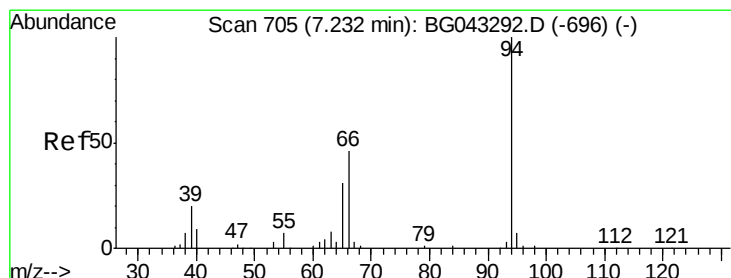
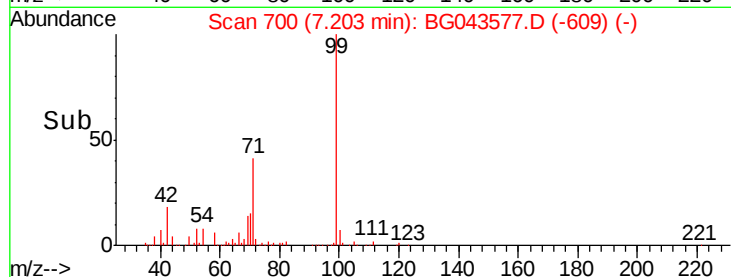
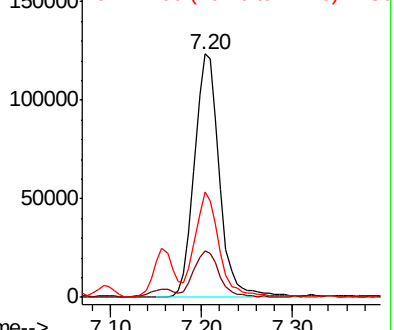
99 100

42 19.2 14.6 21.8

71 43.5 32.5 48.7



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



#10

Phenol

Concen: 4.465 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

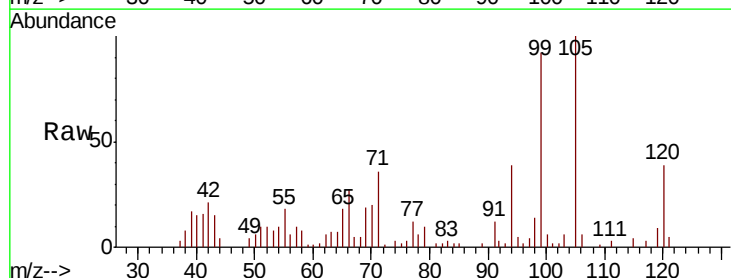
Tgt Ion: 94 Resp: 9572

Ion Ratio Lower Upper

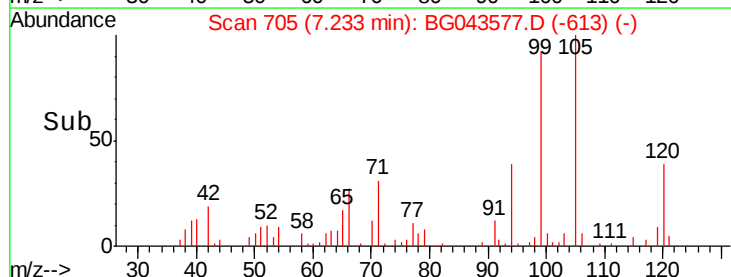
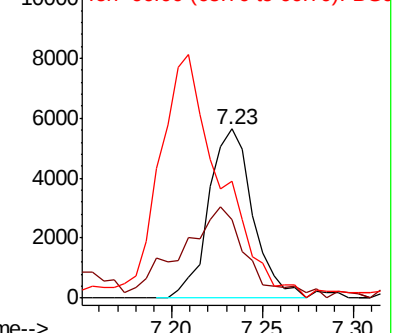
94 100

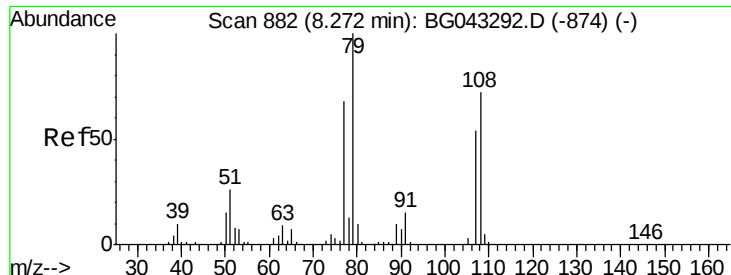
65 46.7 12.6 52.6

66 69.0 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 4.482 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.07 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

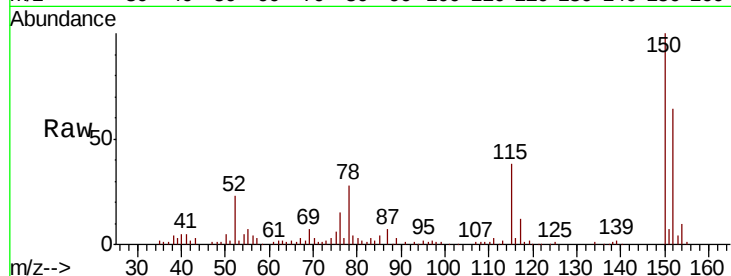
Tot Ion: 79 Resp: 7385

Ion Ratio Lower Upper

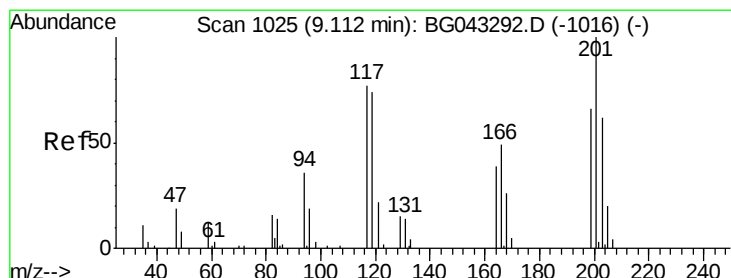
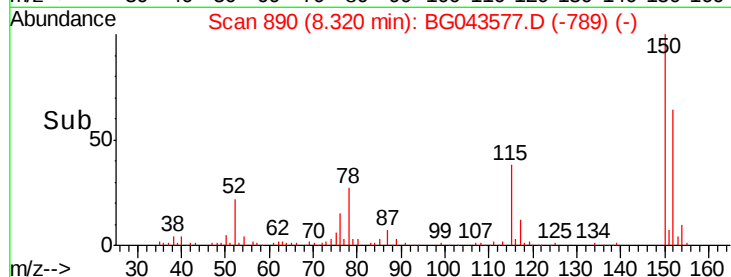
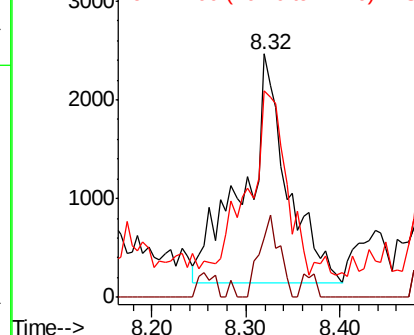
79 100

108 24.1 53.6 80.4#

77 84.9 49.6 74.4#



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: 9.051 ng

RT: 9.11 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

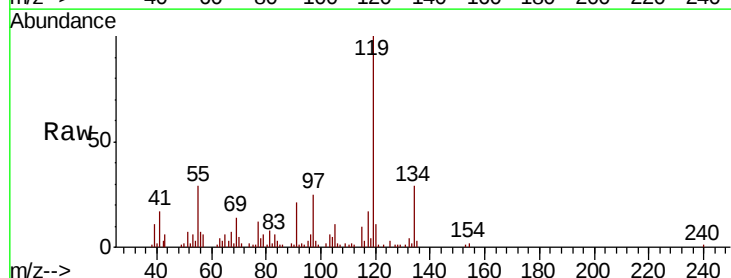
Tgt Ion: 117 Resp: 7451

Ion Ratio Lower Upper

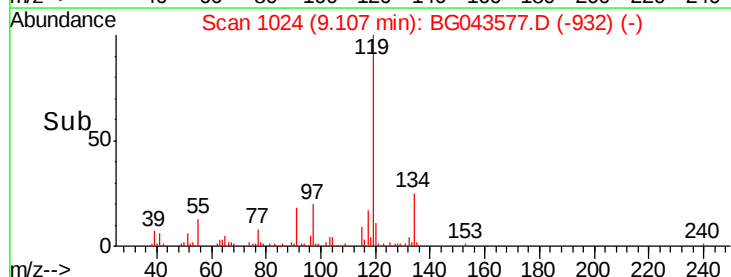
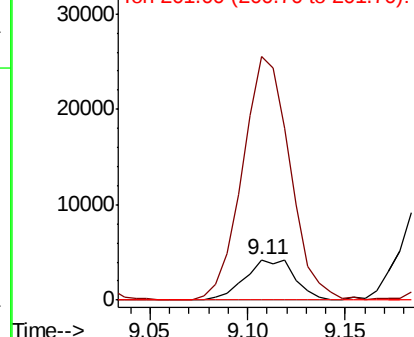
117 100

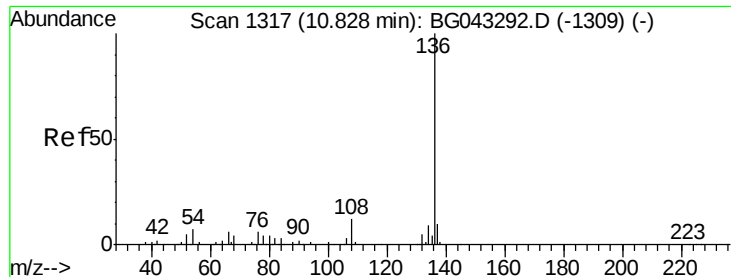
119 600.9 79.0 118.4#

201 0.0 105.4 158.2#



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

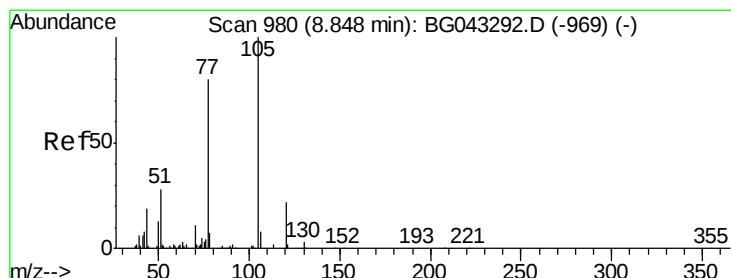
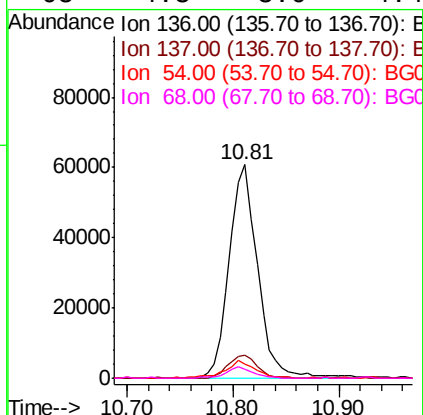
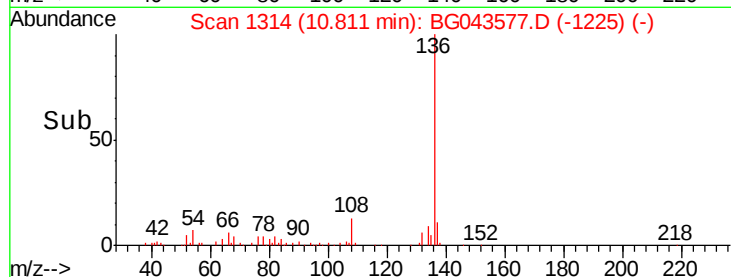
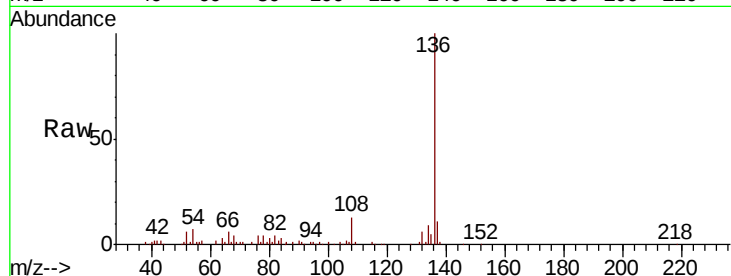




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

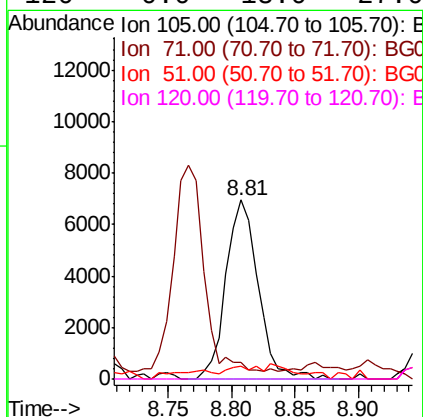
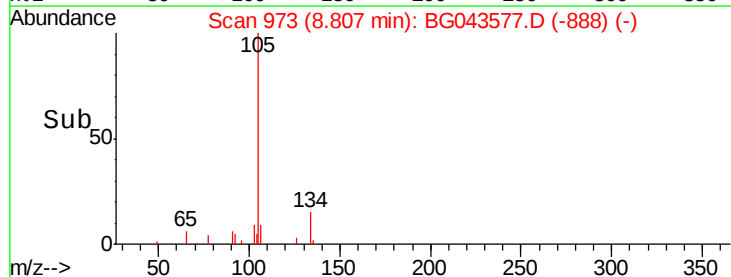
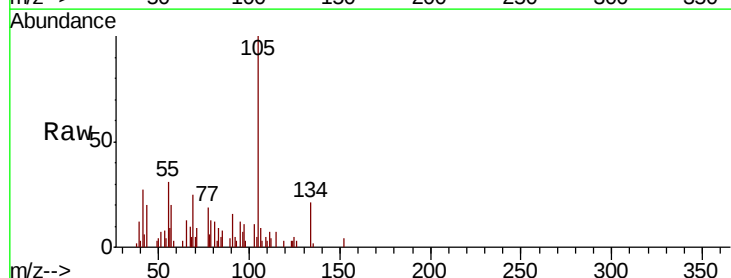
Instrument :
BNA_G
ClientSampleId :
SB-18-(12-14)

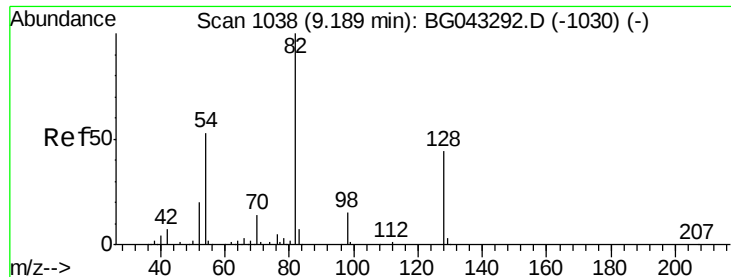
Tot Ion:136	Resp:	113094
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	6.8	5.4 8.2
68	4.3	3.0 4.4



#22
Acetophenone
Concen: 4.224 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.03 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

Tgt Ion:105	Resp:	12235
Ion Ratio	Lower	Upper
105	100	
71	9.2	0.8 1.2#
51	7.0	21.0 31.4#
120	0.0	18.0 27.0#

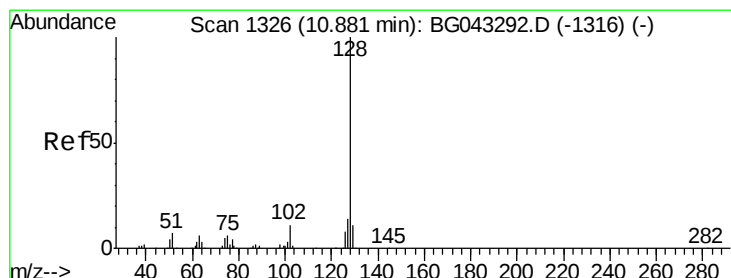
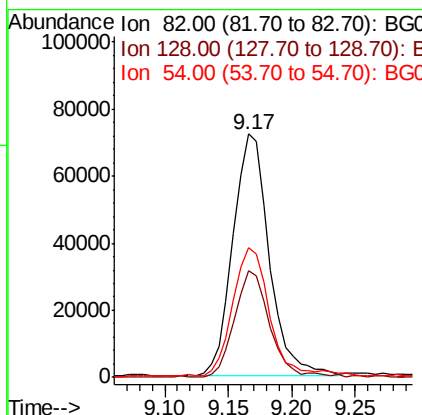
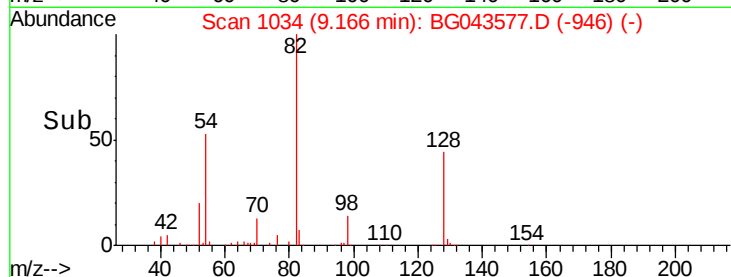
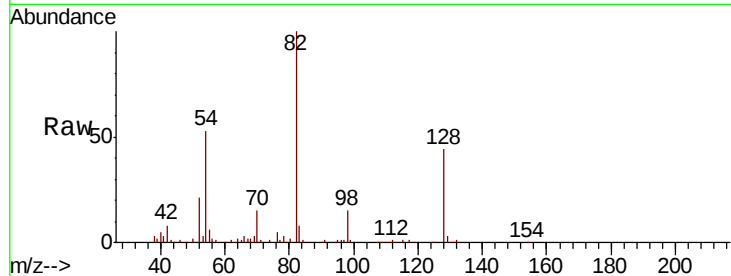




#23
Nitrobenzene-d5
Concen: 65.485 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

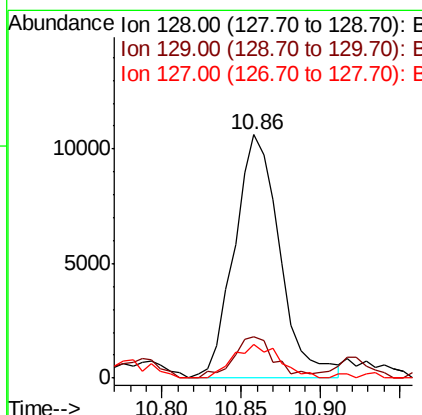
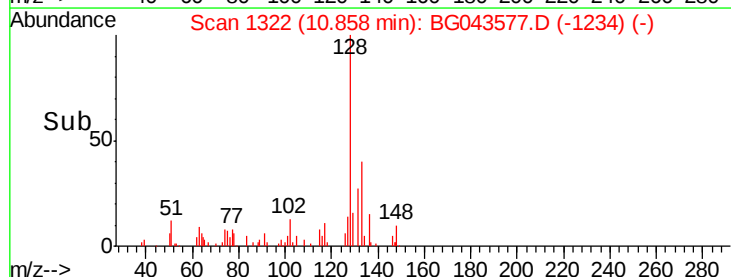
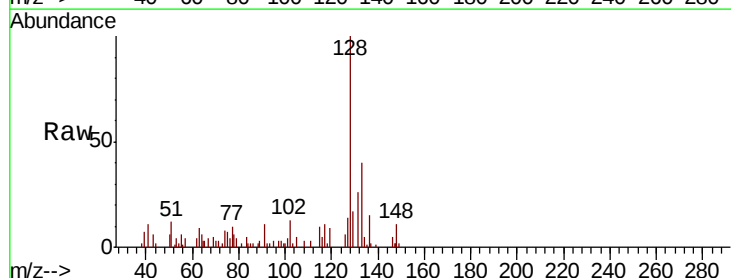
Instrument :
BNA_G
ClientSampleId :
SB-18-(12-14)

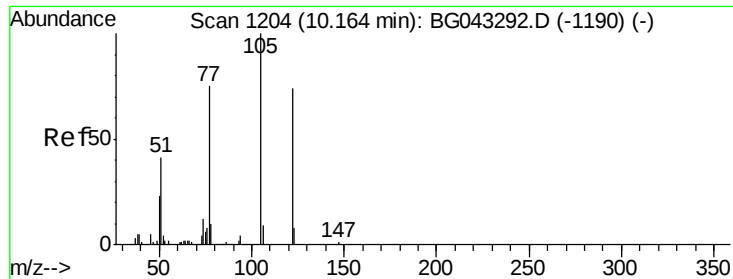
Tot Ion: 82 Resp: 143653
Ion Ratio Lower Upper
82 100
128 43.7 35.0 52.6
54 53.0 40.2 60.2



#31
Naphthalene
Concen: 3.677 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

Tgt Ion: 128 Resp: 21111
Ion Ratio Lower Upper
128 100
129 17.0 9.4 14.0#
127 14.1 11.1 16.7





#32

Benzoic acid

Concen: 9.169 ng

RT: 10.02 min Scan# 1180

Delta R.T. -0.14 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

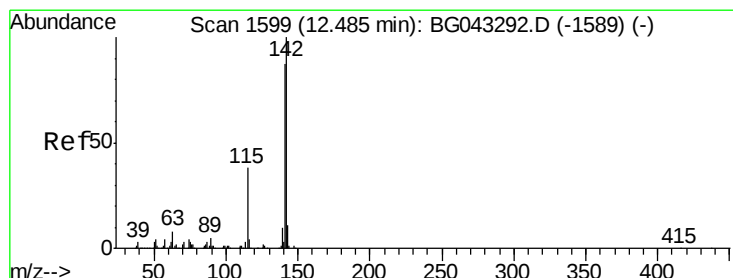
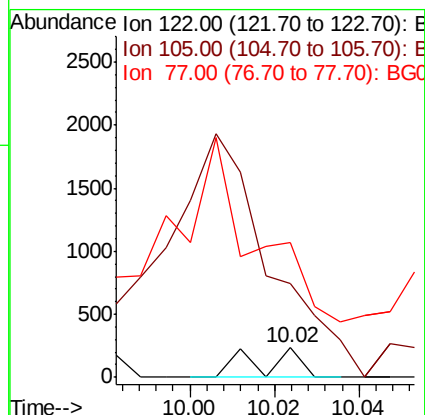
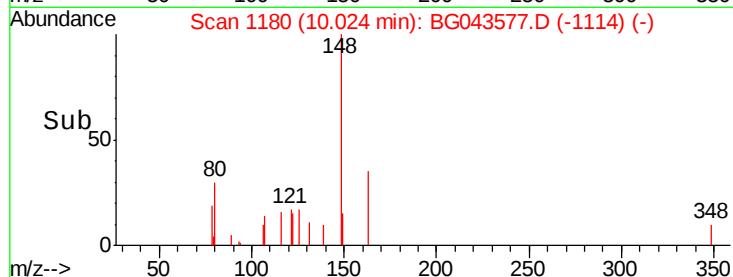
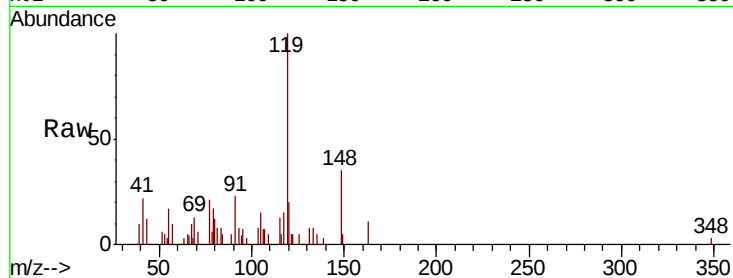
Tot Ion:122 Resp: 163

Ion Ratio Lower Upper

122 100

105 320.2 103.3 143.3#

77 459.2 84.9 124.9#



#37

2-Methylnaphthalene

Concen: 3.153 ng

RT: 12.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

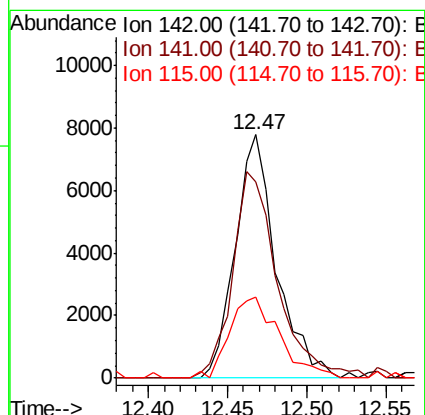
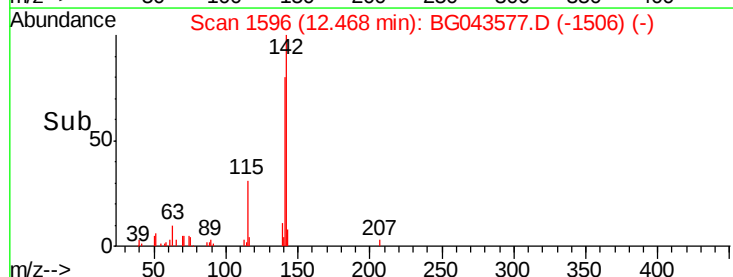
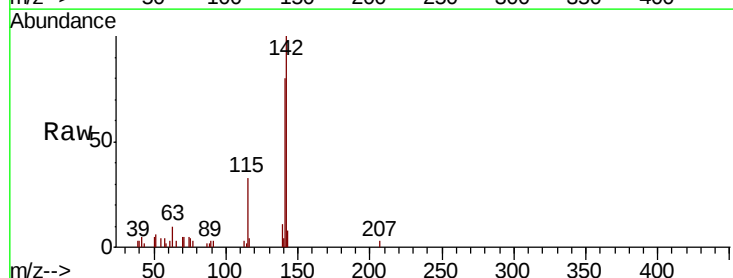
Tgt Ion:142 Resp: 13886

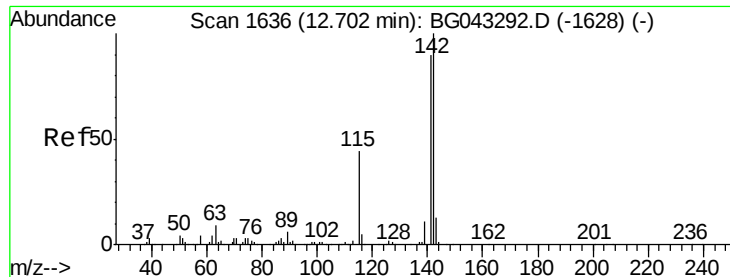
Ion Ratio Lower Upper

142 100

141 80.4 72.2 108.2

115 33.1 33.2 49.8#

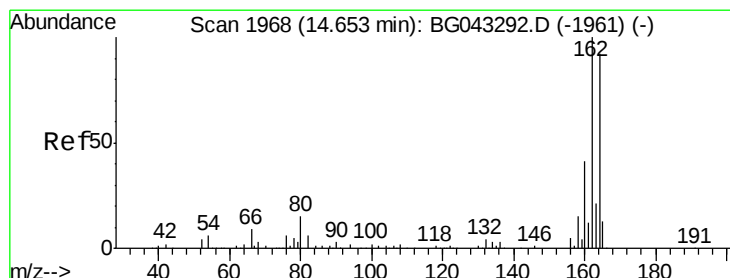
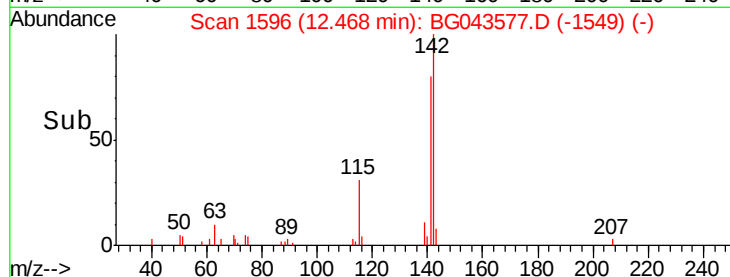
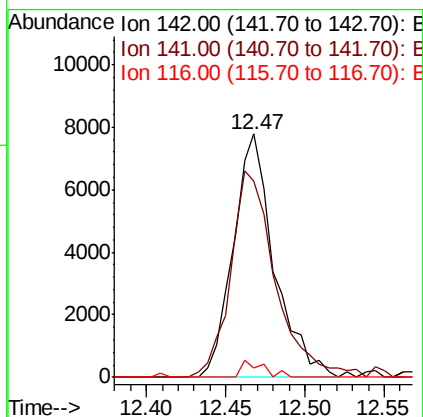
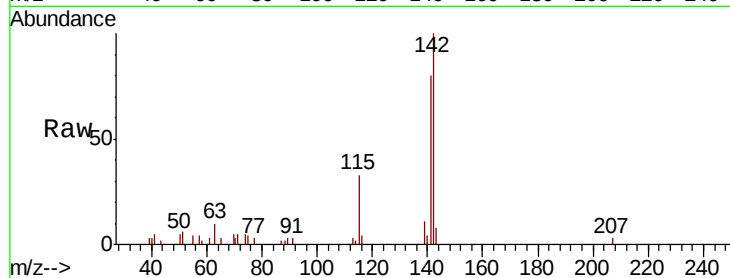




#38
1-Methylnaphthalene
Concen: 3.313 ng
RT: 12.47 min Scan# 1596
Delta R.T. -0.22 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

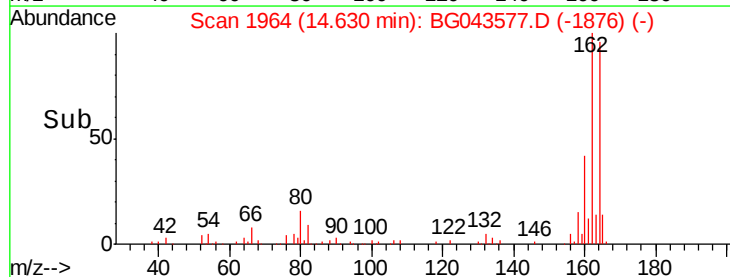
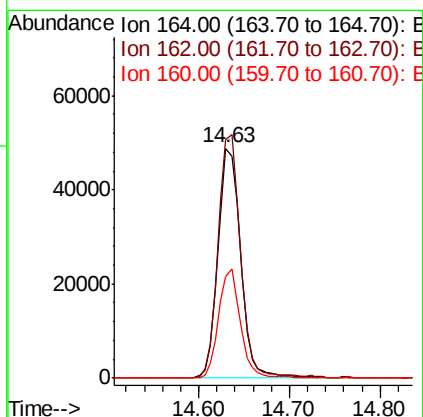
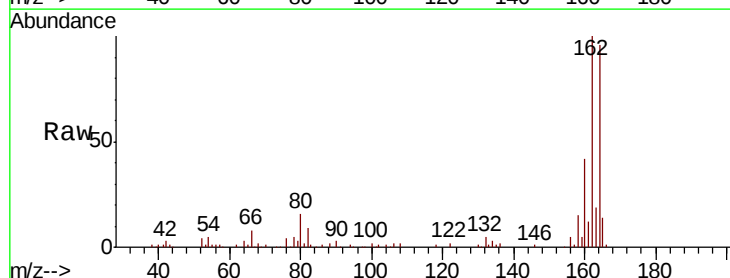
Instrument :
BNA_G
ClientSampleId :
SB-18-(12-14)

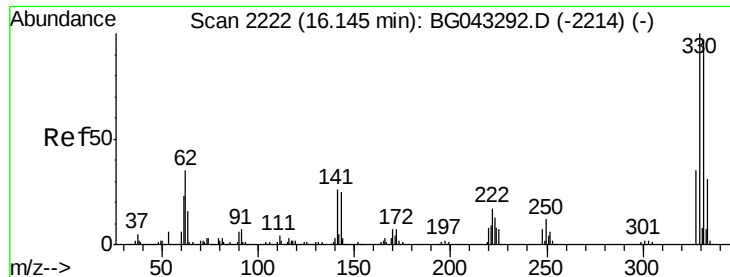
Tot Ion:142 Resp: 13886
Ion Ratio Lower Upper
142 100
141 80.4 73.2 109.8
116 3.7 3.6 5.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG043577.D
Acq: 8 Nov 2019 19:58

Tgt Ion:164 Resp: 84927
Ion Ratio Lower Upper
164 100
162 104.1 83.5 125.3
160 44.1 36.5 54.7

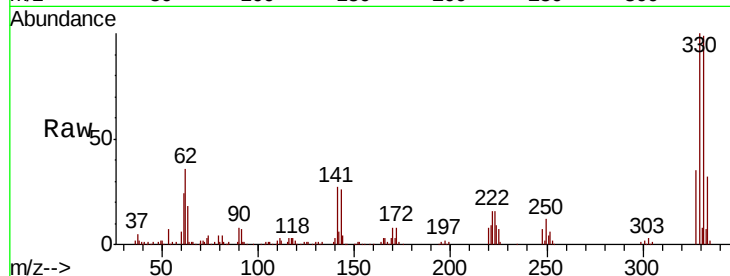




#42
 2,4,6-Tribromophenol
 Concen: 95.193 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG043577.D
 Acq: 8 Nov 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-18-(12-14)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	29.0	22.8	34.2

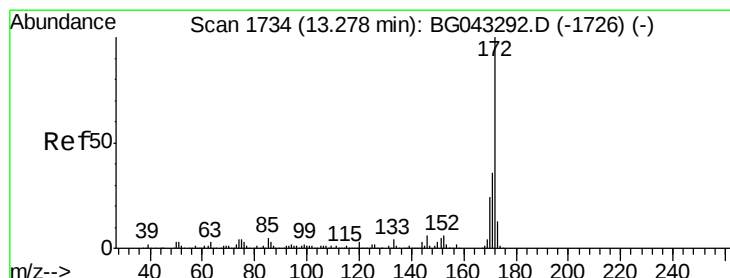
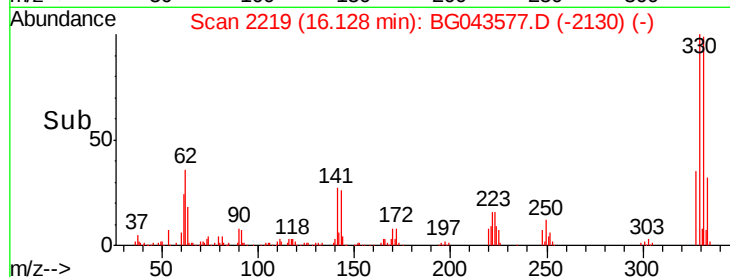
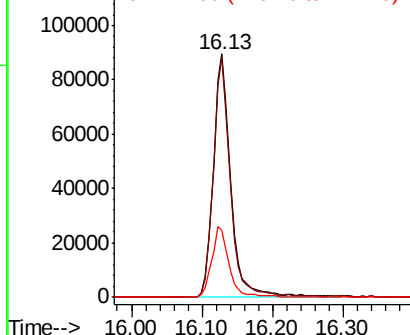


Abundance

Ion 329.80 (329.50 to 330.50): E

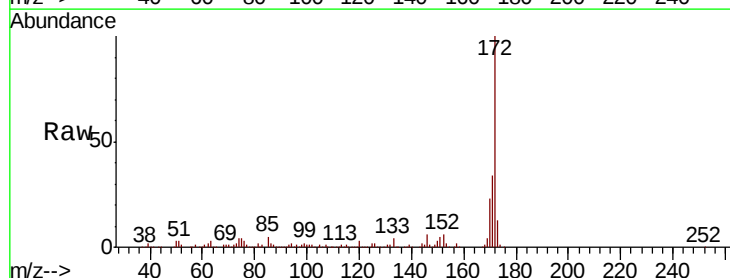
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.115 ng
 RT: 13.26 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG043577.D
 Acq: 8 Nov 2019 19:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.9	43.3
170	23.4	18.5	27.7

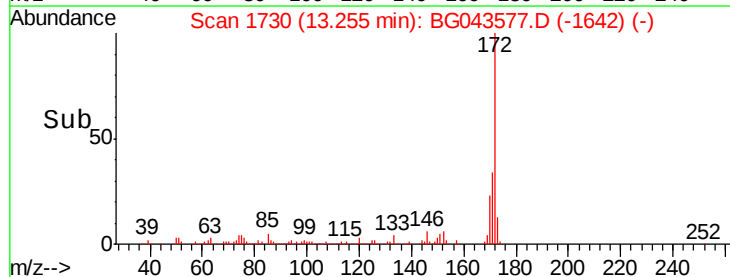
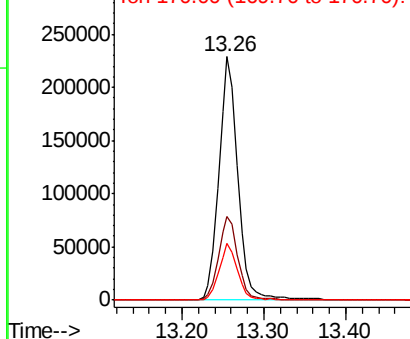


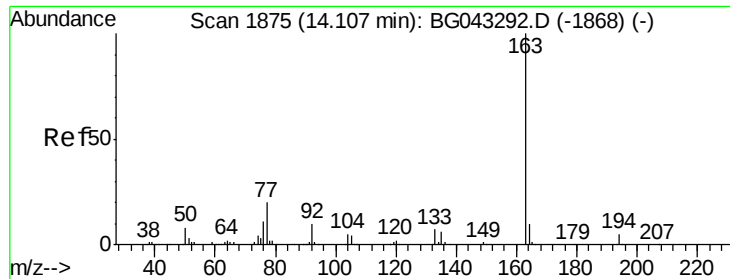
Abundance

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





#50

Dimethylphthalate

Concen: 6.481 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

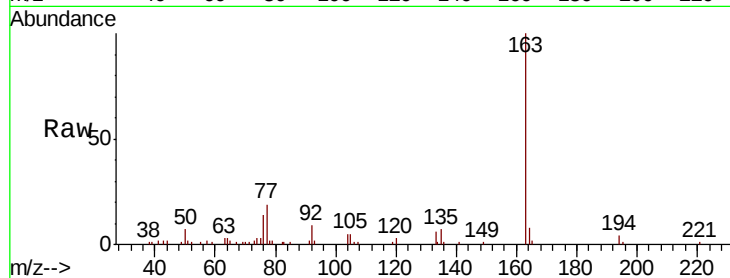
Tot Ion:163 Resp: 42632

Ion Ratio Lower Upper

163 100

194 3.7 3.8 5.6#

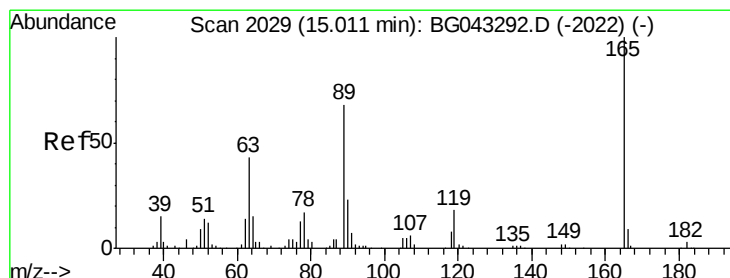
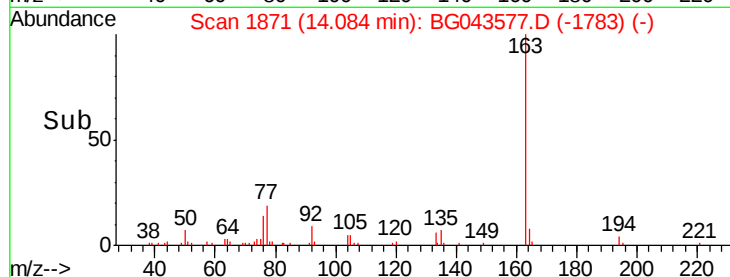
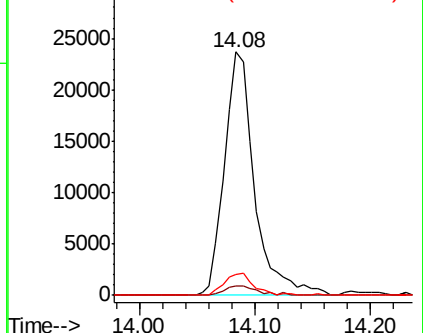
164 8.3 8.9 13.3#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.853 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.38 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Tgt Ion:165 Resp: 11953

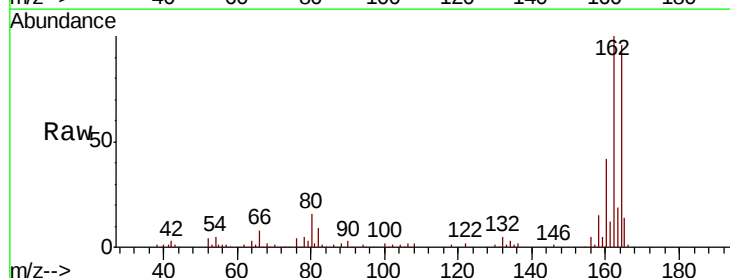
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

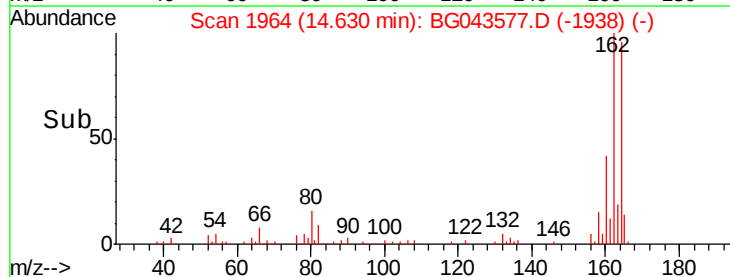
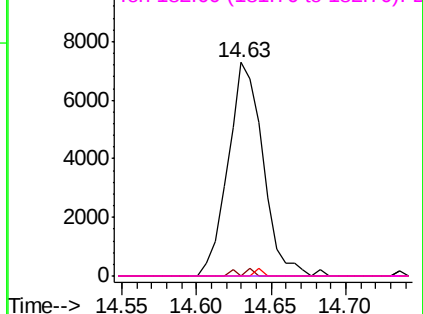


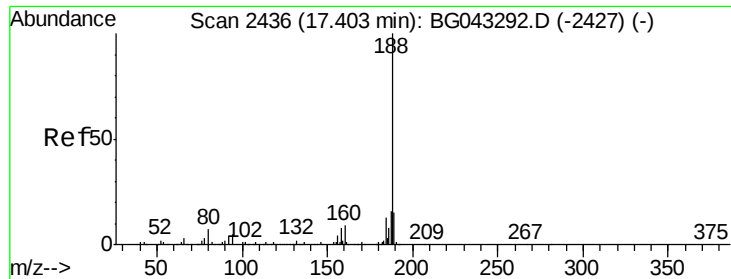
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

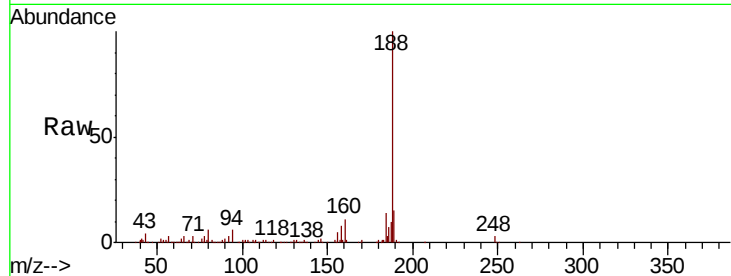
Tot Ion:188 Resp: 199540

Ion Ratio Lower Upper

188 100

94 5.6 4.2 6.4

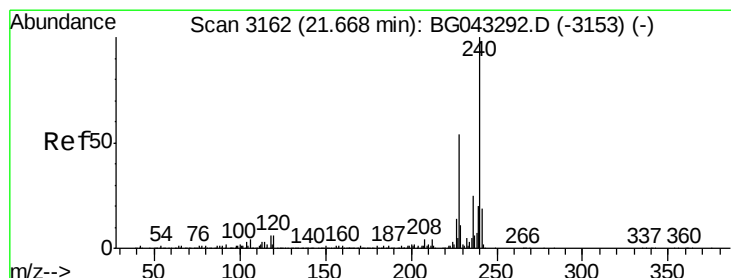
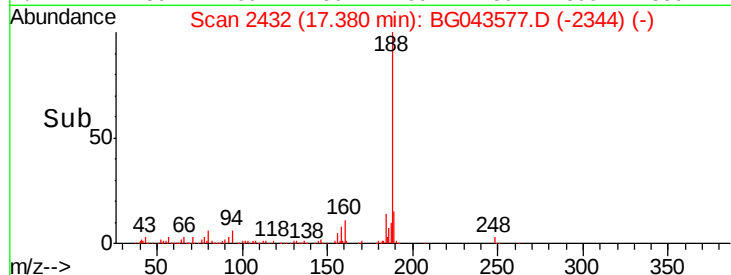
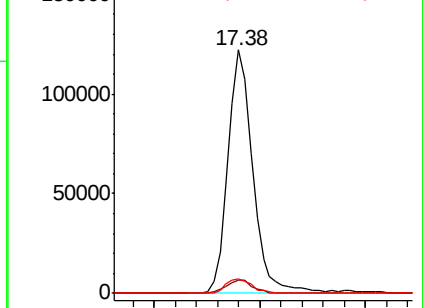
80 6.1 4.5 6.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

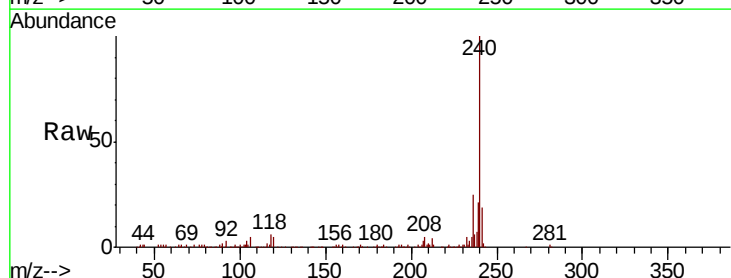
Tgt Ion:240 Resp: 199397

Ion Ratio Lower Upper

240 100

120 5.3 4.6 6.8

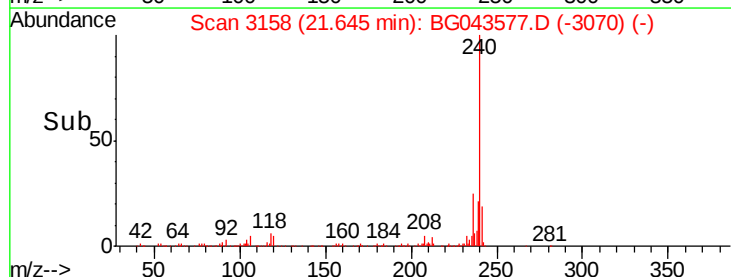
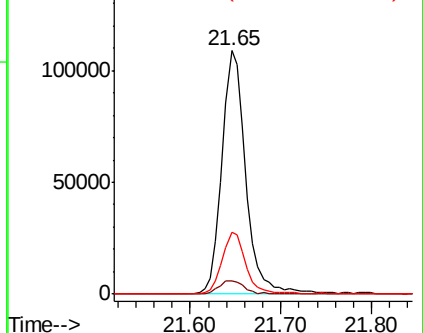
236 25.2 19.8 29.8

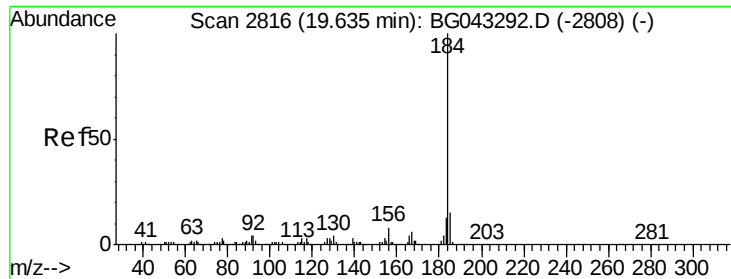


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.528 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.37 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

Instrument :

BNA_G

ClientSampleId :

SB-18-(12-14)

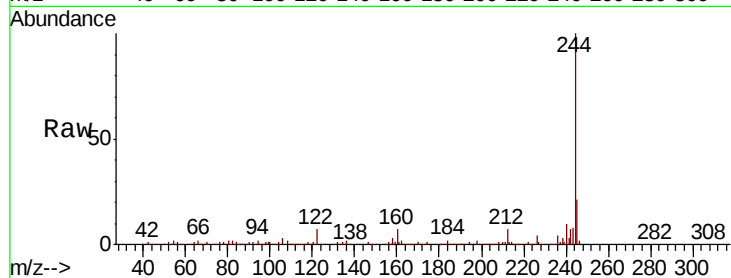
Tot Ion:184 Resp: 10145

Ion Ratio Lower Upper

184 100

185 12.9 11.0 16.4

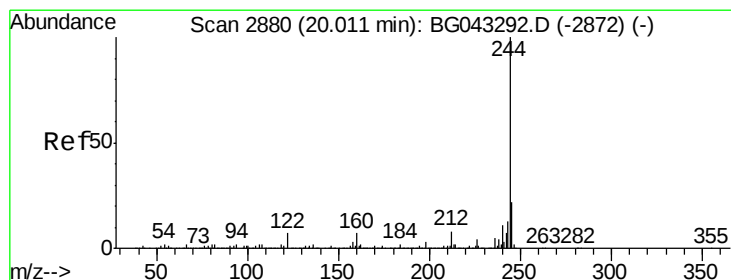
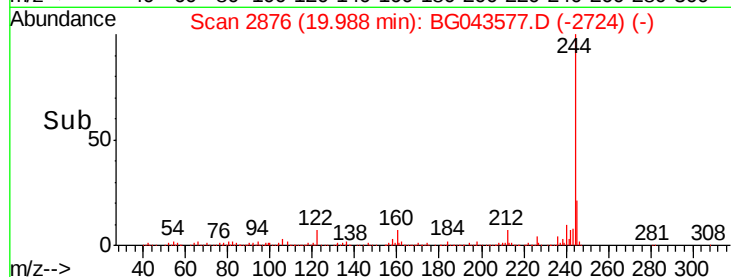
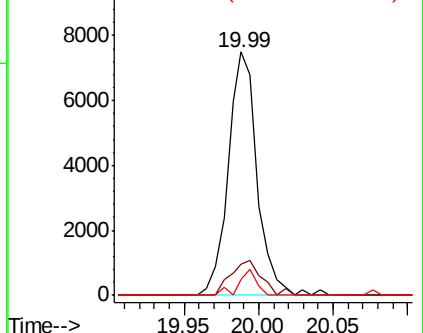
183 6.5 10.0 15.0#



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: 66.212 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043577.D

Acq: 8 Nov 2019 19:58

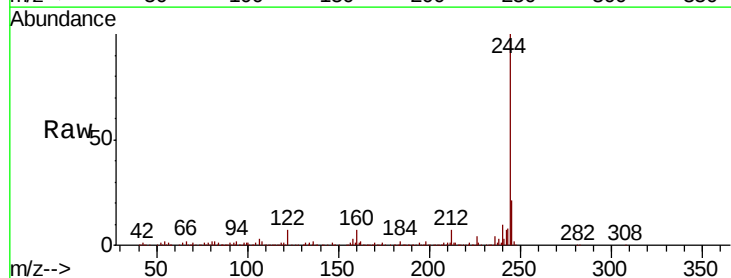
Tgt Ion:244 Resp: 703738

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

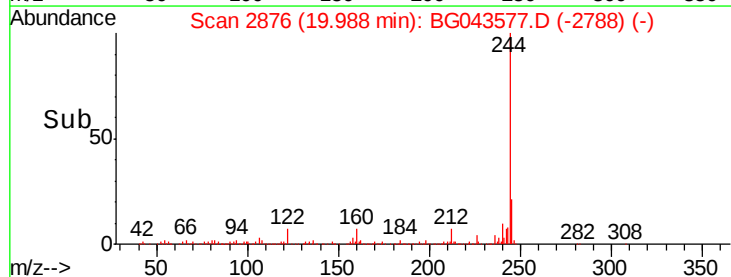
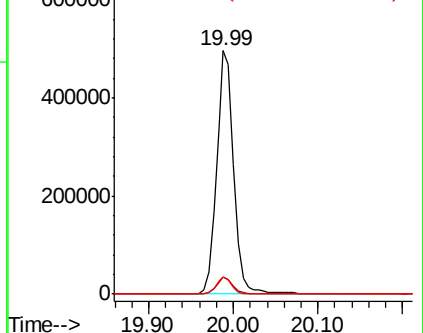
122 6.8 5.4 8.2

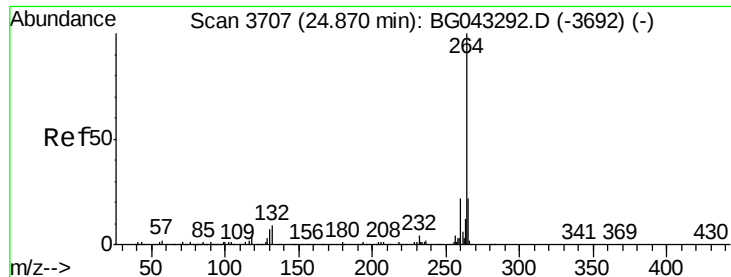


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3701
 Delta R.T. -0.02 min
 Lab File: BG043577.D
 Acq: 8 Nov 2019 19:58

Instrument :
 BNA_G
 ClientSampleId :
 SB-18-(12-14)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.5	26.3
265	21.2	17.4	26.0

