

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG021020\
 Data File : BG044359.D
 Acq On : 10 Feb 2020 16:42
 Operator : CG/JU
 Sample : L1440-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Quant Time: Feb 10 17:18:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	65661	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	286602	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	209213	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	500823	20.00	ng	0.00
76) Chrysene-d12	21.53	240	502055	20.00	ng	0.00
87) Perylene-d12	24.61	264	522270	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	203932	54.81	ng	0.00
7) Phenol-d6	7.07	99	169476	33.92	ng	0.00
23) Nitrobenzene-d5	9.06	82	477160	93.99	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	320062	130.32	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1178226	94.31	ng	0.00
79) Terphenyl-d14	19.90	244	1877399	76.92	ng	0.00

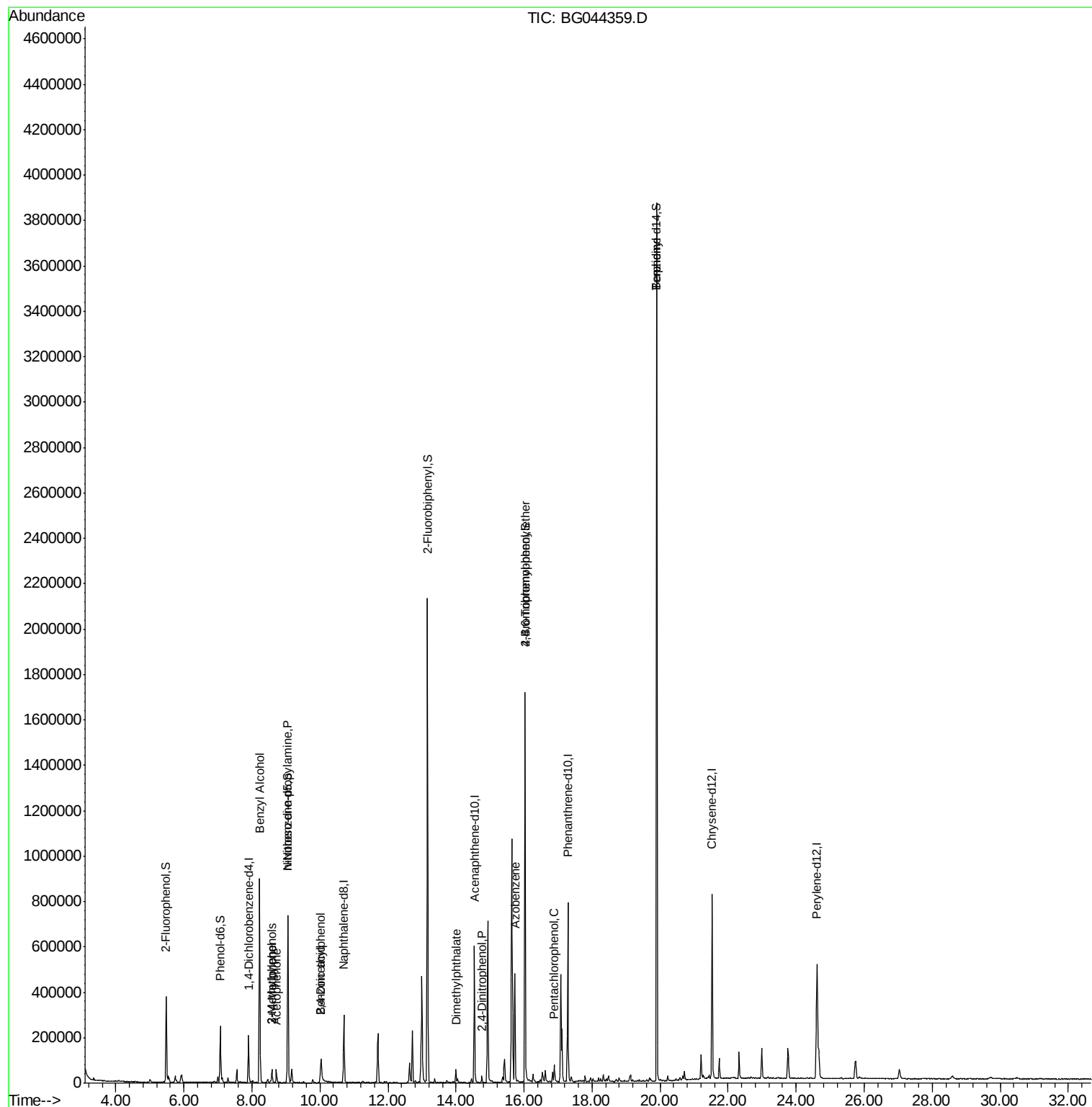
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.22	79	7437	2.103	ng	# 45
17) 2-Methylphenol	8.59	107	23359	6.621	ng	# 14
19) n-Nitroso-di-n-propylamine	9.06	70	61324	18.418	ng	# 78
20) 3+4-Methylphenols	8.59	107	24176	4.973	ng	# 5
22) Acetophenone	8.73	105	37978	5.447	ng	# 94
27) 2,4-Dimethylphenol	10.03	122	59938	16.512	ng	# 4
32) Benzoic acid	10.03	122	59938	31.838	ng	95
50) Dimethylphthalate	14.00	163	44391	2.952	ng	98
54) 2,4-Dinitrophenol	14.76	184	110	7.675	ng	# 14
63) Azobenzene	15.73	77	39123	2.979	ng	# 1
67) 4-Bromophenyl-phenylether	16.03	248	21495	3.939	ng	# 1
70) Pentachlorophenol	16.89	266	6383	5.126	ng	# 1
77) Benzidine	19.90	184	30990	2.225	ng	# 90

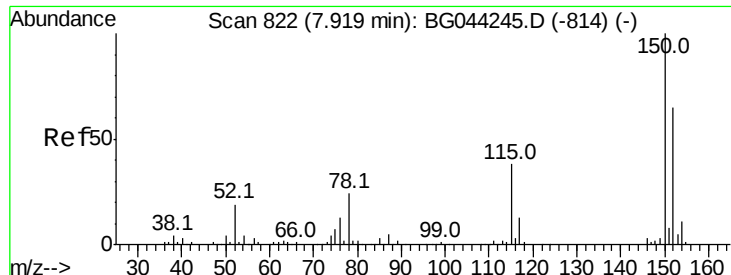
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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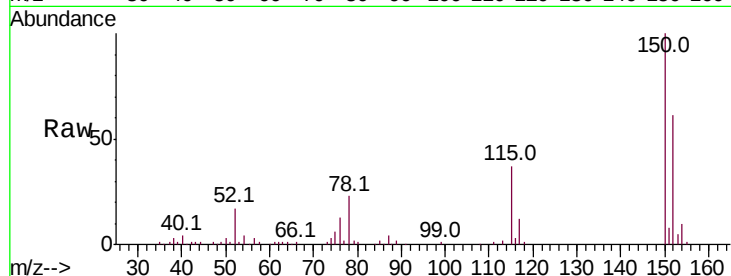


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampleId :
TW-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	122.6	183.8
115	60.8	46.0	69.0

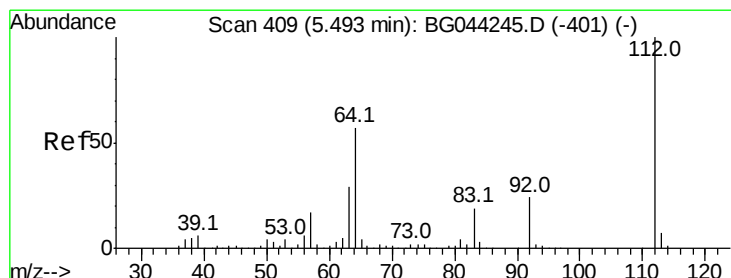
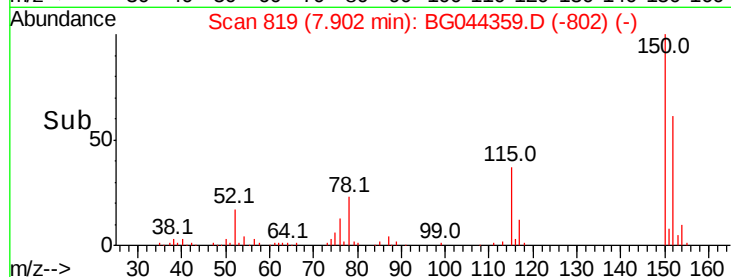
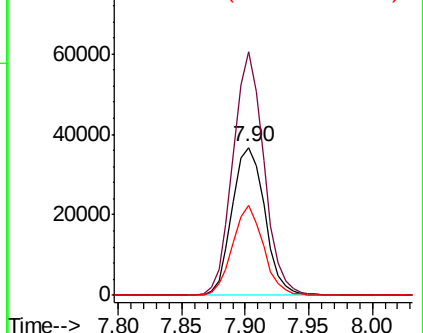


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

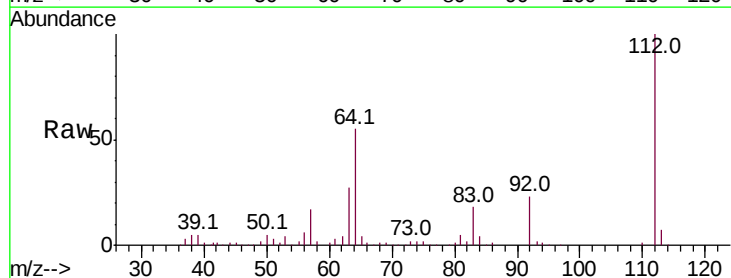
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.813 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	45.4	68.2
63	27.0	22.9	34.3

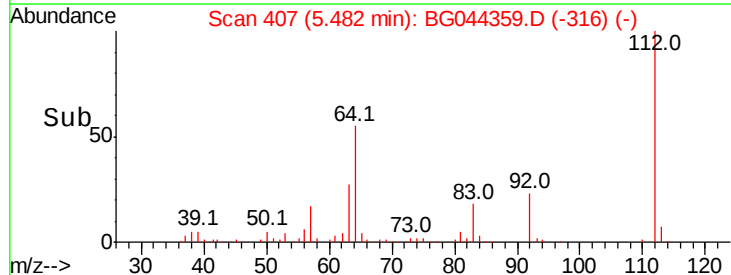
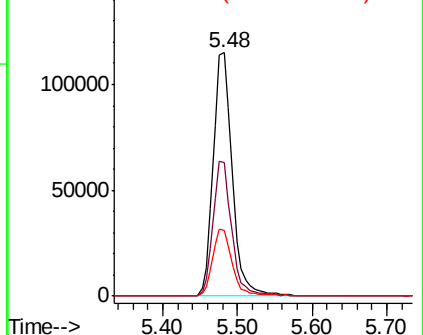


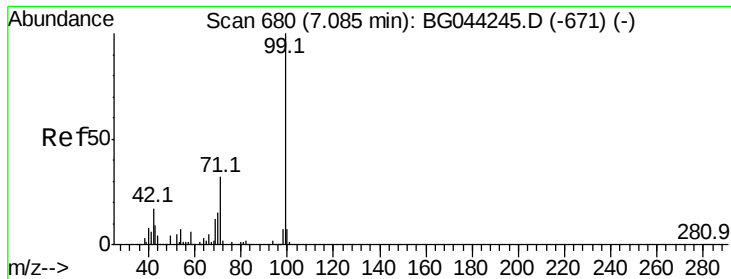
Abundance

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: 33.922 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

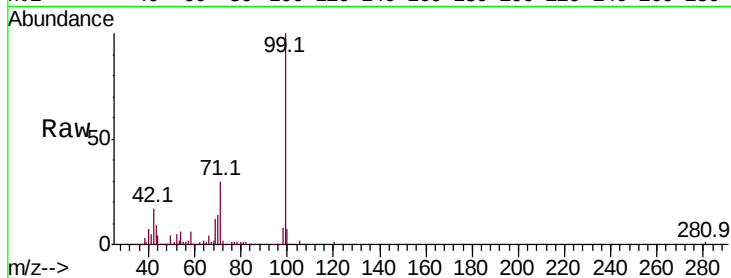
Tot Ion: 99 Resp: 169476

Ion Ratio Lower Upper

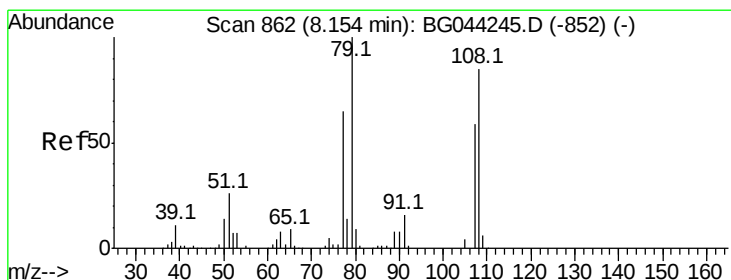
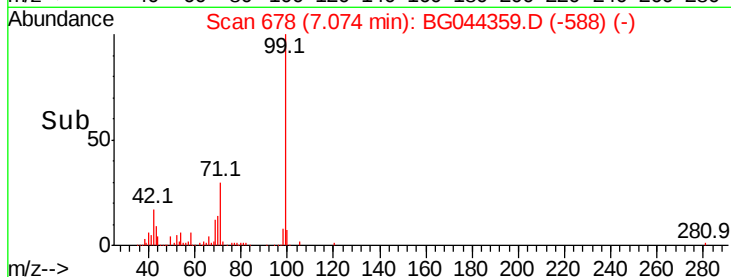
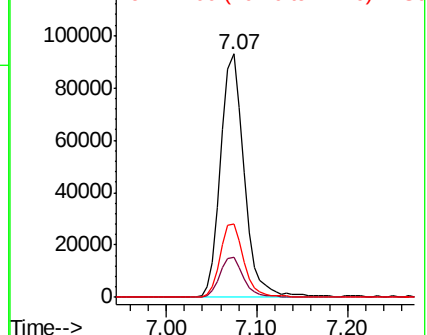
99 100

42 16.7 13.8 20.6

71 30.1 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.103 ng

RT: 8.22 min Scan# 873

Delta R.T. 0.08 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

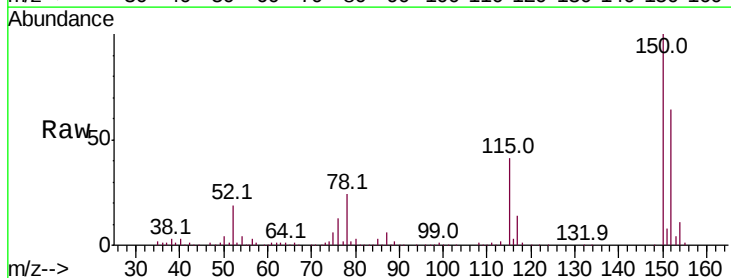
Tgt Ion: 79 Resp: 7437

Ion Ratio Lower Upper

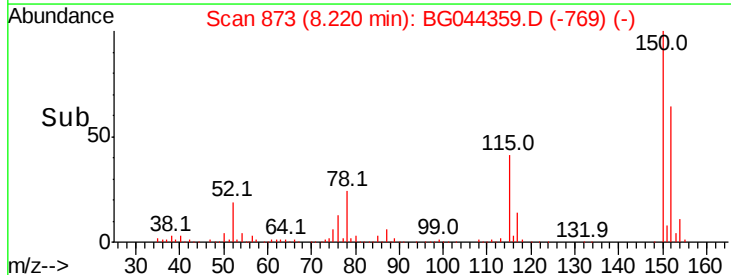
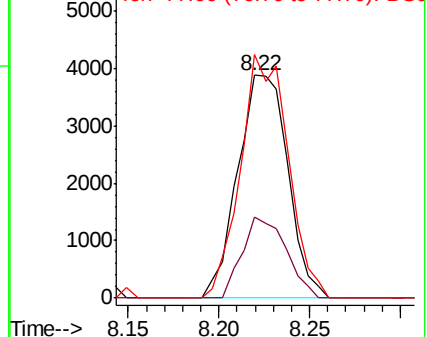
79 100

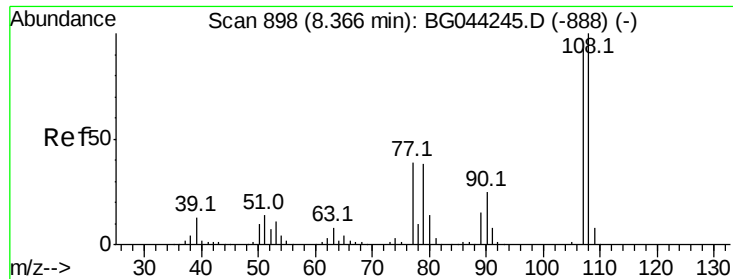
108 36.3 68.3 102.5#

77 109.3 51.8 77.8#



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

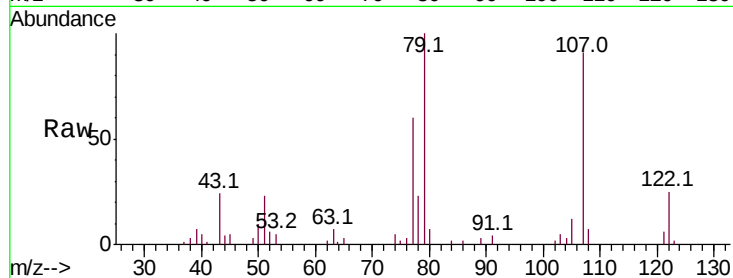




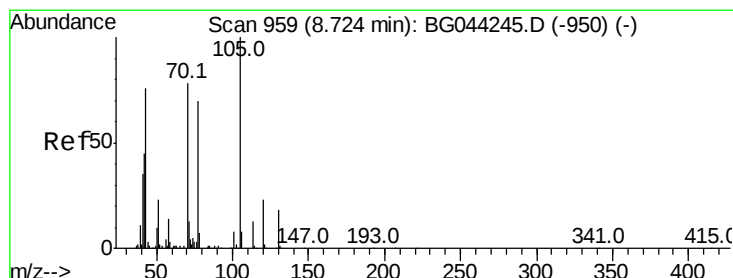
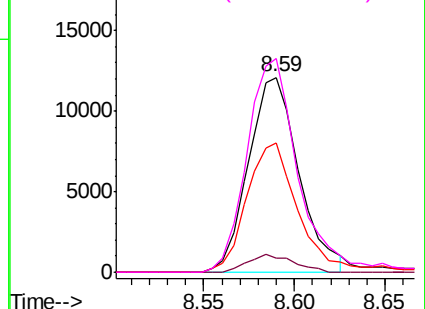
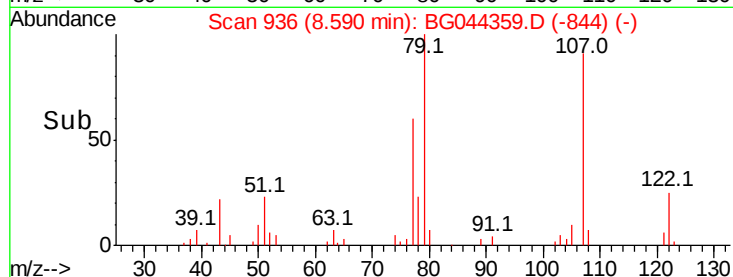
#17
2-Methylphenol
Concen: 6.621 ng
RT: 8.59 min Scan# 936
Delta R.T. 0.24 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampleId :
TW-1

Tot Ion:107 Resp: 23359
Ion Ratio Lower Upper
107 100
108 7.2 86.4 129.6#
77 66.0 34.0 51.0#
79 109.4 32.9 49.3#

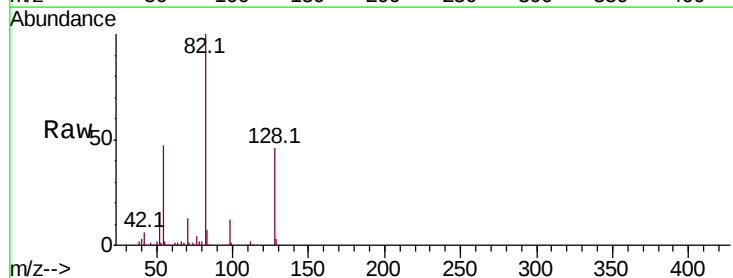


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

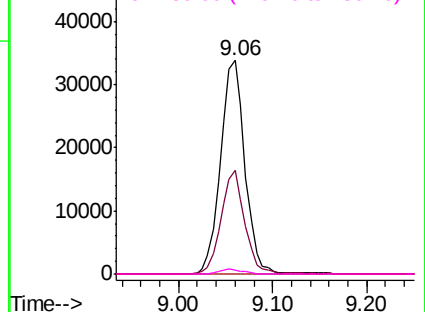
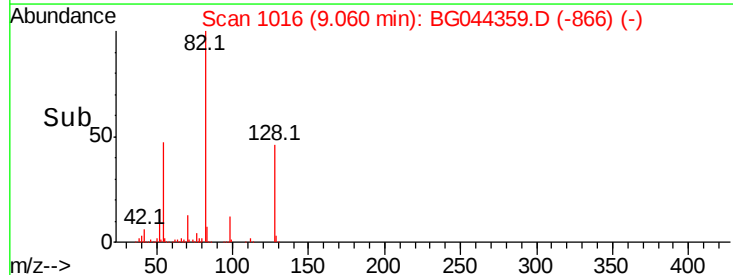


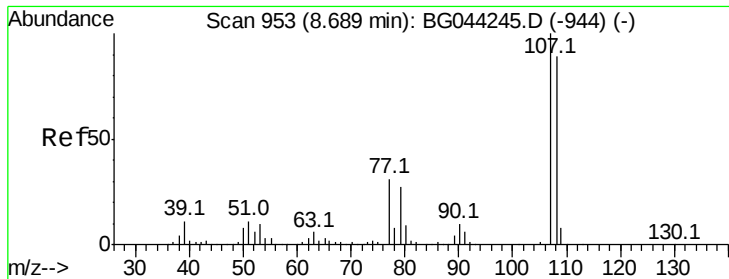
#19
n-Nitroso-di-n-propylamine
Concen: 18.418 ng
RT: 9.06 min Scan# 1016
Delta R.T. 0.35 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Tgt Ion: 70 Resp: 61324
Ion Ratio Lower Upper
70 100
42 48.3 46.2 69.2
101 0.0 8.4 12.6#
130 1.7 17.8 26.8#



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): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 4.973 ng

RT: 8.59 min Scan# 936

Delta R.T. -0.09 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

Tot Ion:107 Resp: 24176

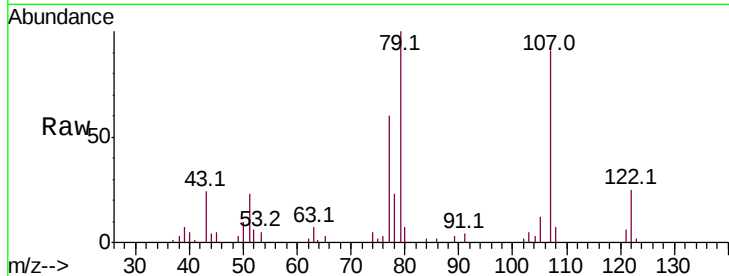
Ion Ratio Lower Upper

107 100

108 7.2 68.5 108.5#

77 66.0 10.9 50.9#

79 109.4 7.1 47.1#

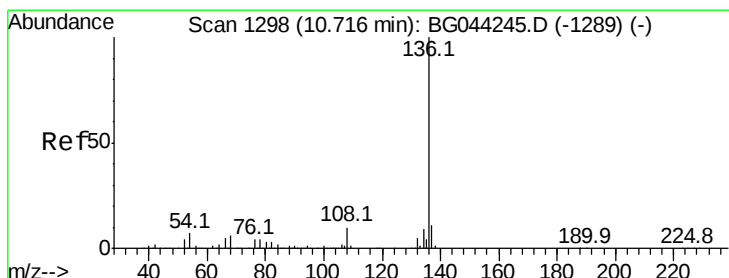
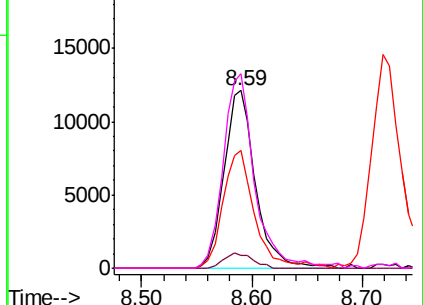
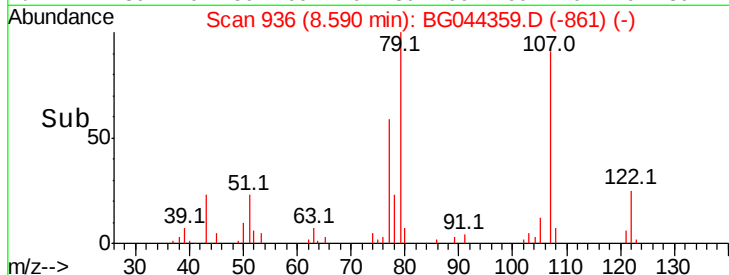


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Tgt Ion:136 Resp: 286602

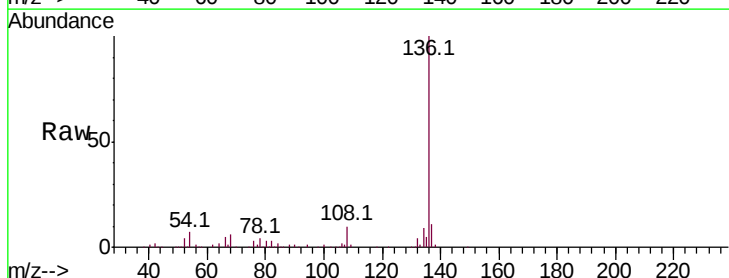
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.5 5.8 8.8

68 5.9 4.6 6.8

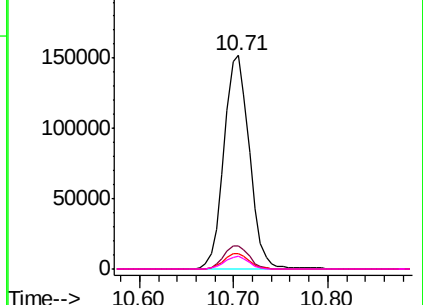
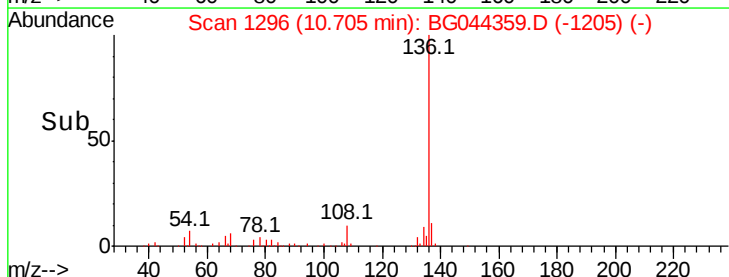


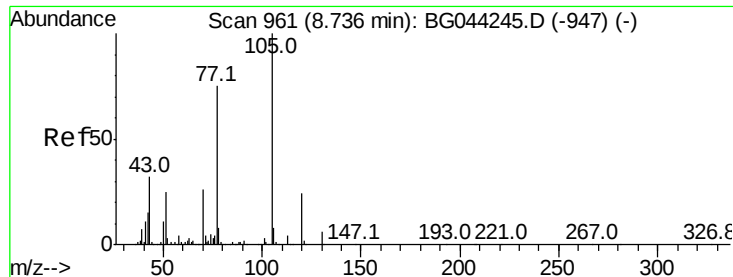
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 5.447 ng

RT: 8.73 min Scan# 959

Delta R.T. 0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

Tot Ion:105 Resp: 37978

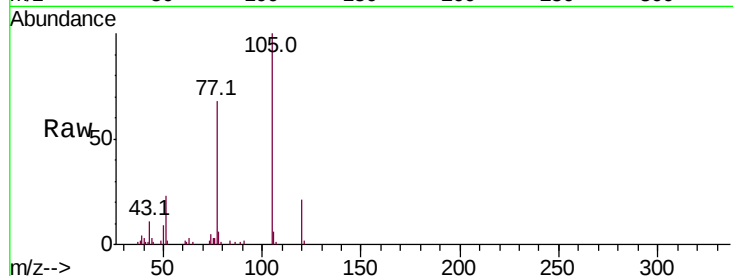
Ion Ratio Lower Upper

105 100

71 0.0 3.4 5.0#

51 23.4 20.2 30.4

120 20.8 19.1 28.7

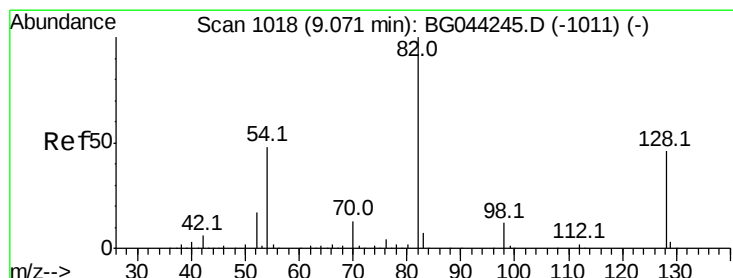
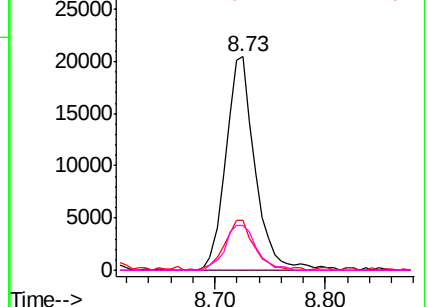
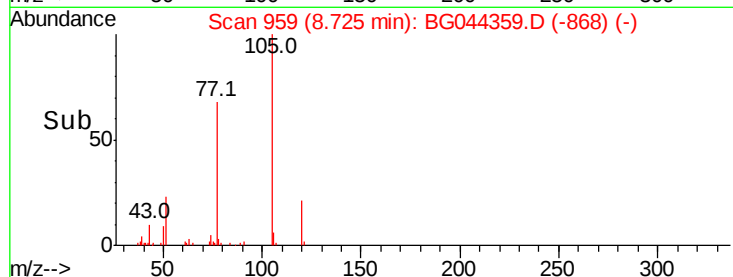


Abundance Ion 105.00 (104.70 to 105.70): E

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: 93.993 ng

RT: 9.06 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

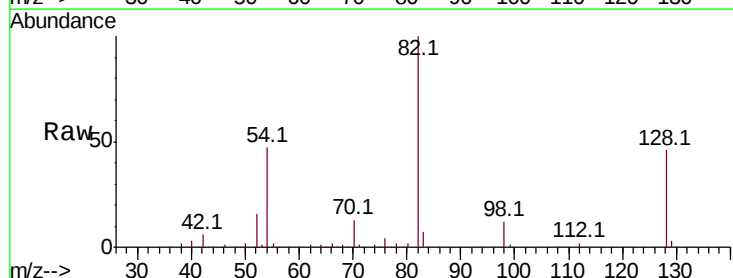
Tgt Ion: 82 Resp: 477160

Ion Ratio Lower Upper

82 100

128 45.6 36.5 54.7

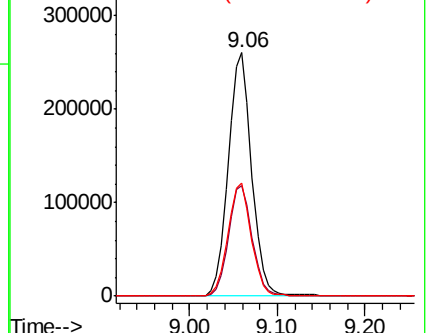
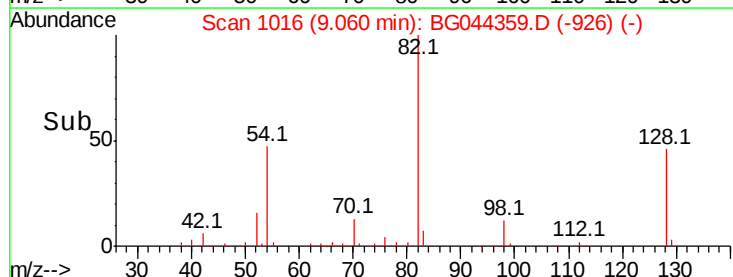
54 46.6 38.6 58.0

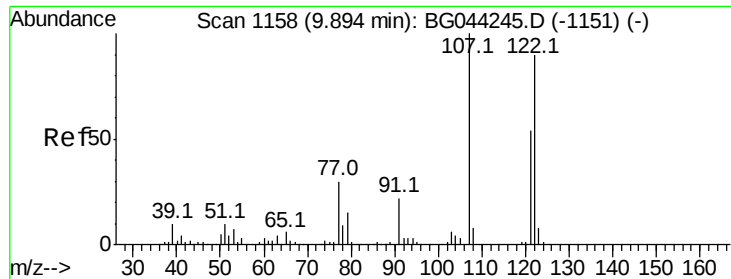


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

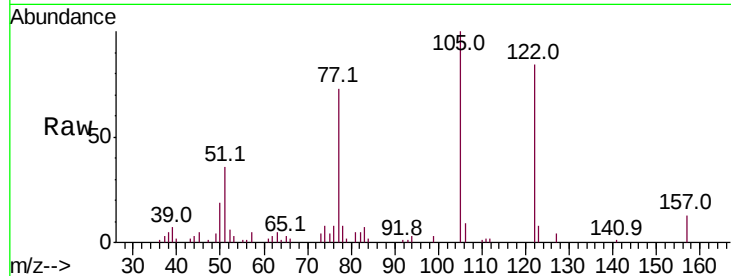




#27
2,4-Dimethylphenol
Concen: 16.512 ng
RT: 10.03 min Scan# 1181
Delta R.T. 0.15 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	88.8	133.2#
121	0.0	48.3	72.5#

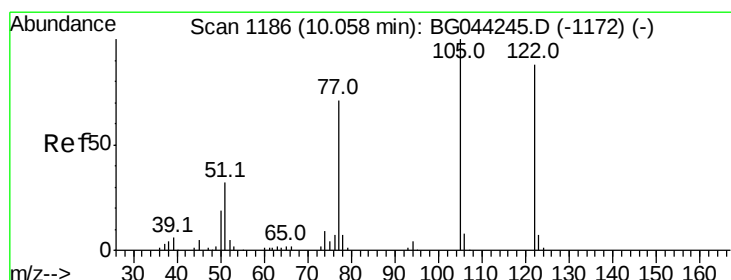
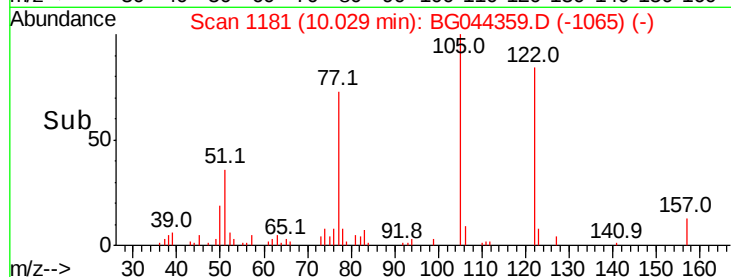
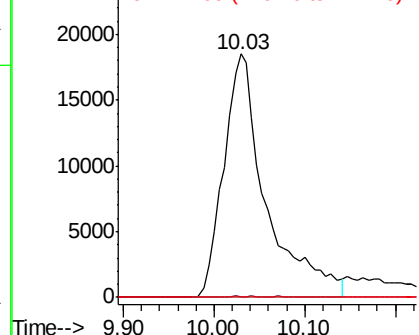


Abundance

Ion 122.00 (121.70 to 122.70): E

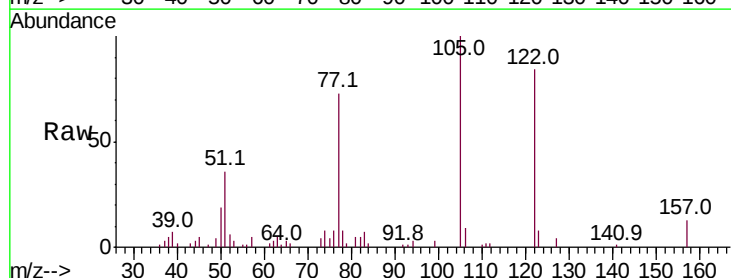
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32
Benzoic acid
Concen: 31.838 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.8	93.5	133.5
77	86.4	61.0	101.0

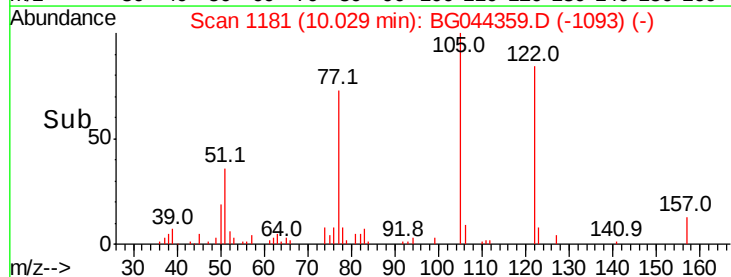
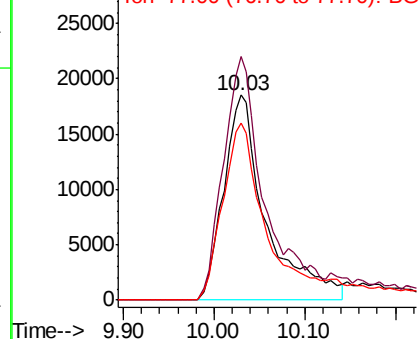


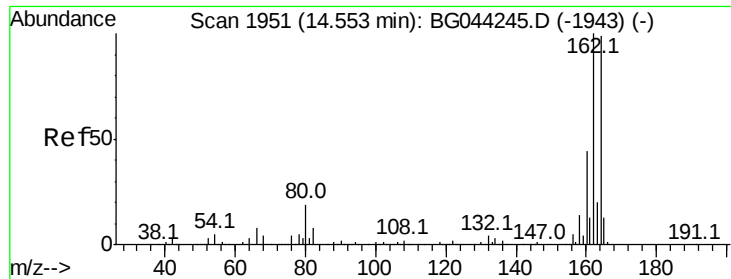
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

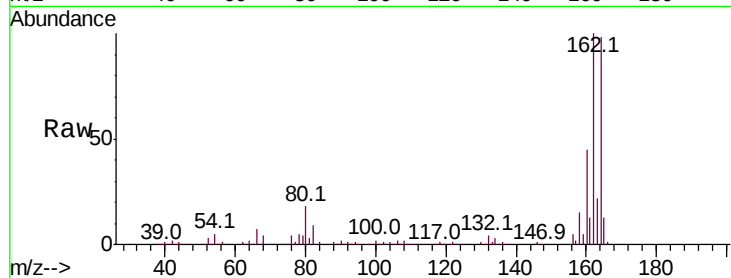




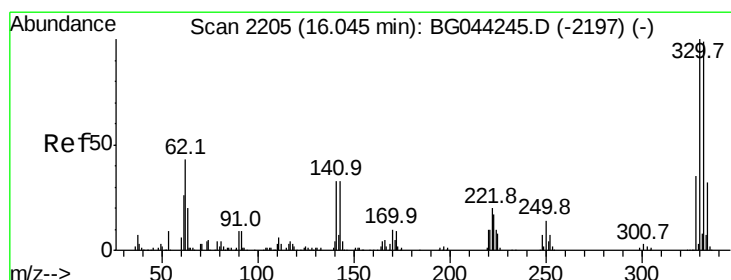
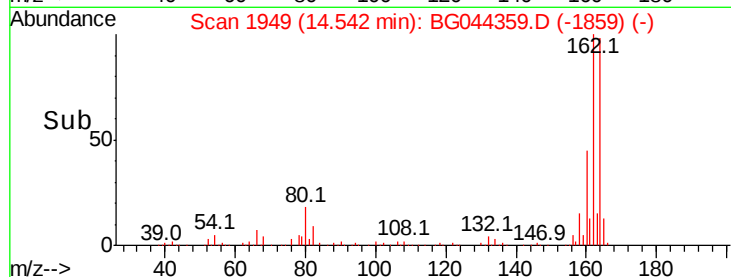
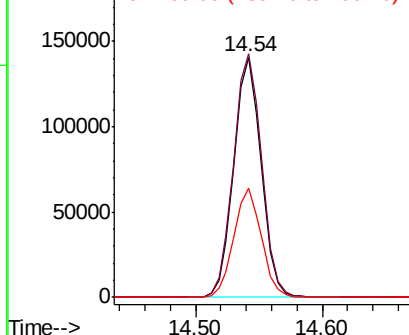
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampleId :
TW-1

Tot Ion:164 Resp: 209213
Ion Ratio Lower Upper
164 100
162 101.5 80.7 121.1
160 45.6 35.3 52.9

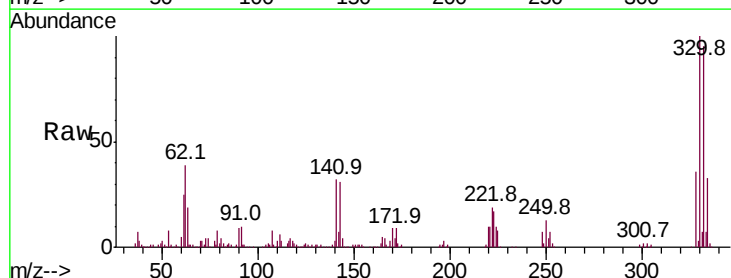


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

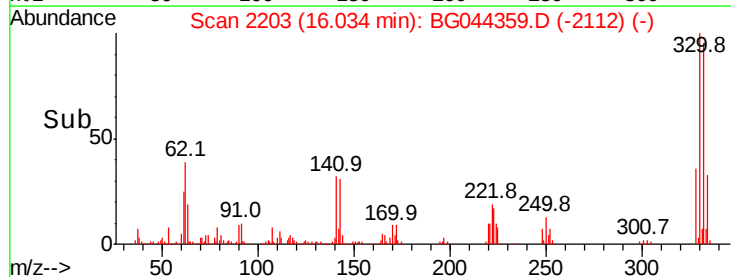
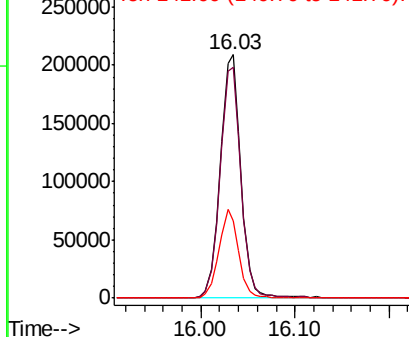


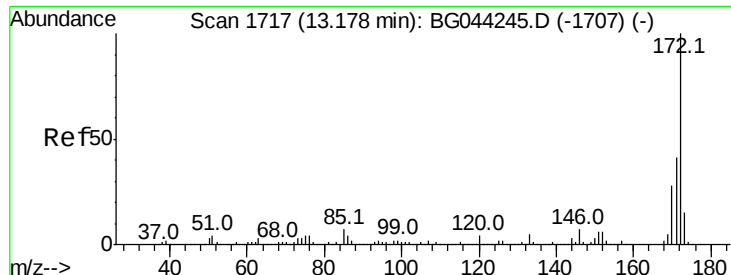
#42
2,4,6-Tribromophenol
Concen: 130.316 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Tgt Ion:330 Resp: 320062
Ion Ratio Lower Upper
330 100
332 97.0 77.2 115.8
141 35.1 28.3 42.5



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

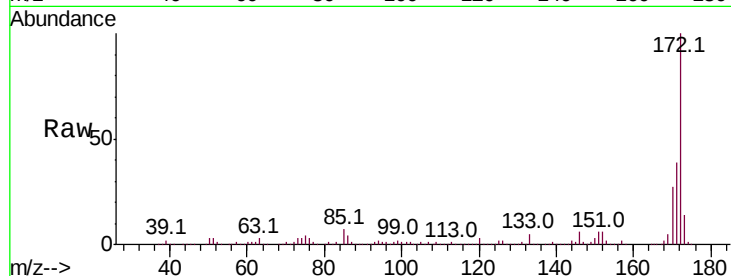




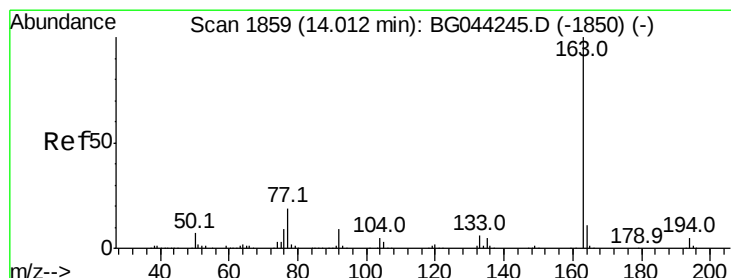
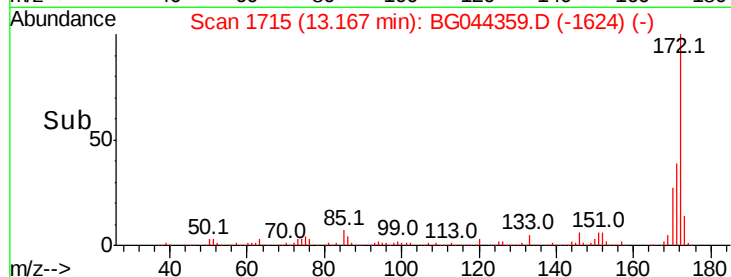
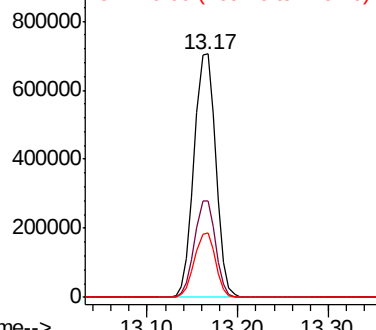
#45
2-Fluorobiphenyl
Concen: 94.306 ng
RT: 13.17 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampled :
TW-1

Tot Ion:172 Resp: 1178226
Ion Ratio Lower Upper
172 100
171 39.5 32.9 49.3
170 26.7 22.0 33.0

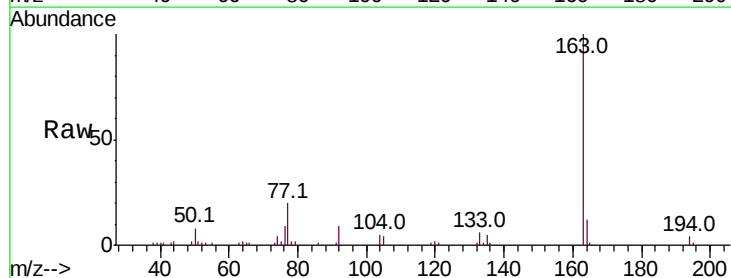


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

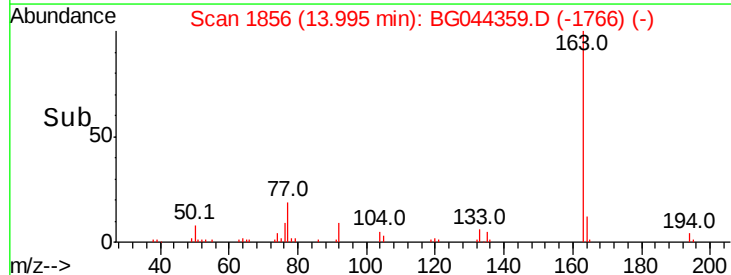
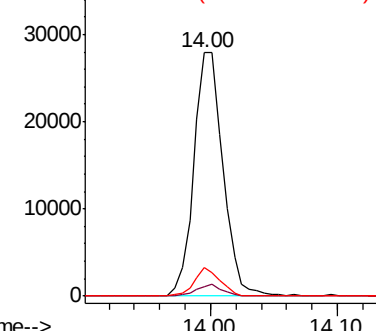


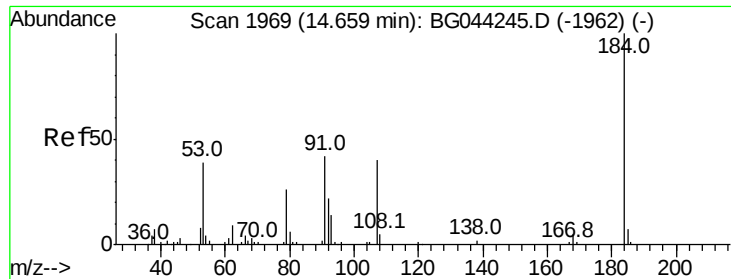
#50
Dimethylphthalate
Concen: 2.952 ng
RT: 14.00 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Tgt Ion:163 Resp: 44391
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 11.8 8.7 13.1



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





#54

2,4-Dinitrophenol

Concen: 7.675 ng

RT: 14.76 min Scan# 1986

Delta R.T. 0.11 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampled :

TW-1

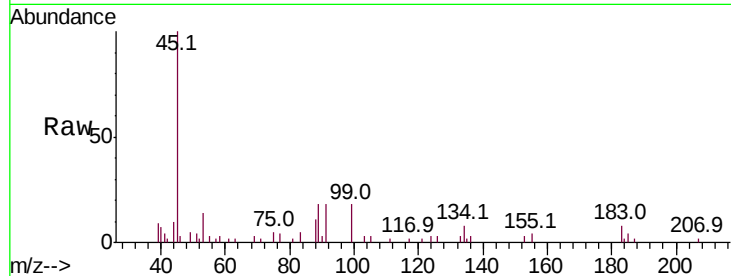
Tot Ion:184 Resp: 110

Ion Ratio Lower Upper

184 100

63 123.6 44.1 66.1#

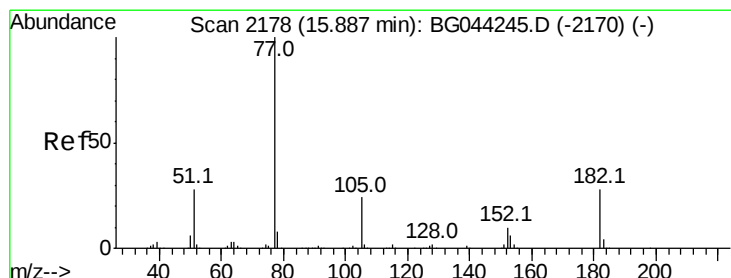
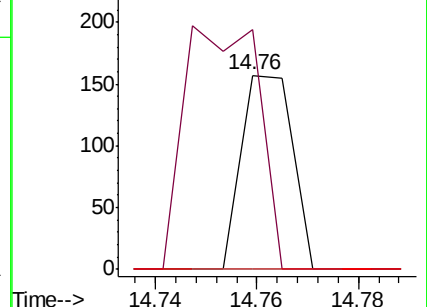
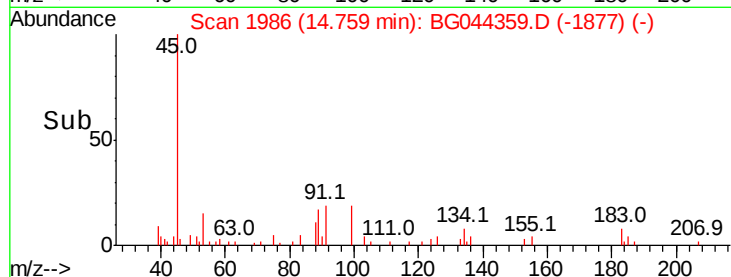
154 0.0 45.4 68.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#63

Azobenzene

Concen: 2.979 ng

RT: 15.73 min Scan# 2151

Delta R.T. -0.15 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Tgt Ion: 77 Resp: 39123

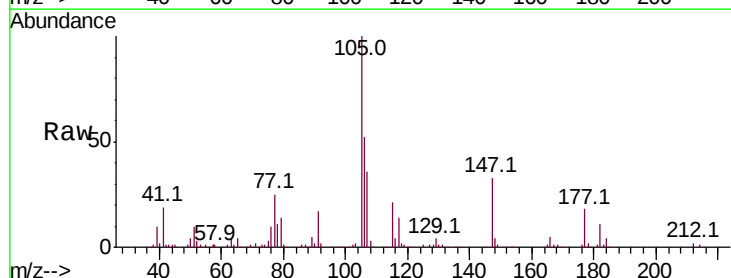
Ion Ratio Lower Upper

77 100

182 45.5 8.2 48.2

105 406.8 3.6 43.6#

51 42.6 8.3 48.3

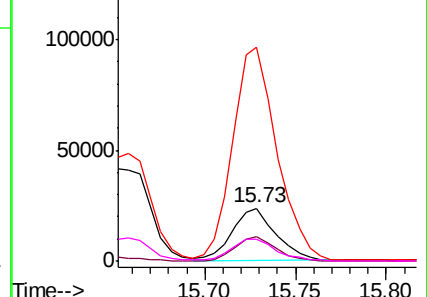
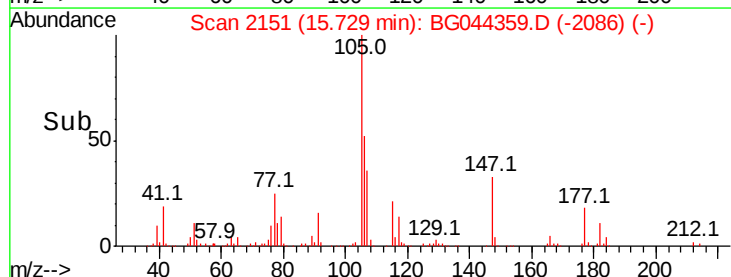


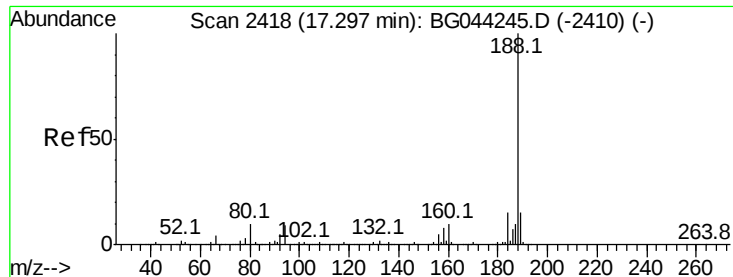
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

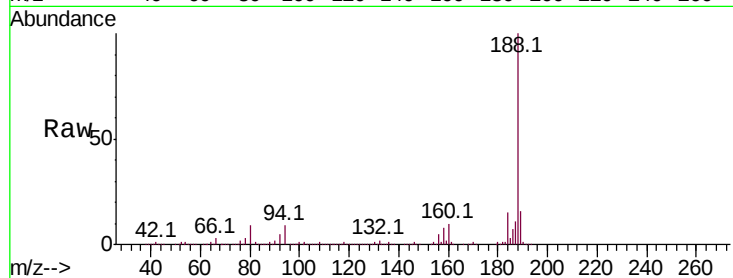
Tot Ion:188 Resp: 500823

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

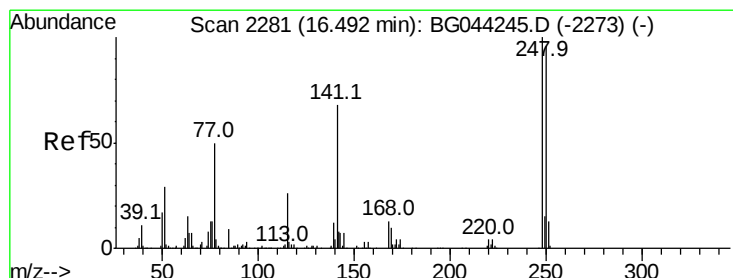
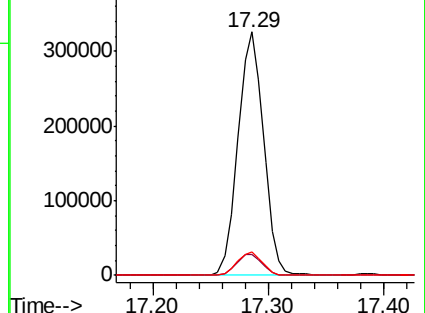
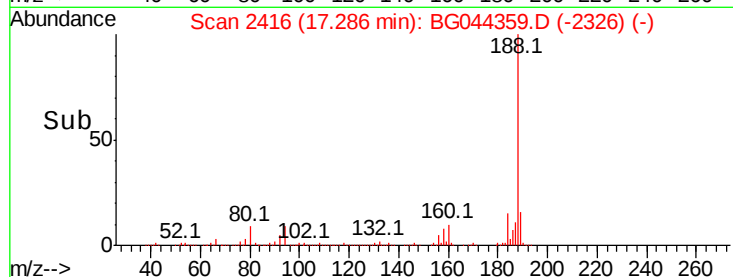
80 9.4 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.939 ng

RT: 16.03 min Scan# 2202

Delta R.T. -0.45 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

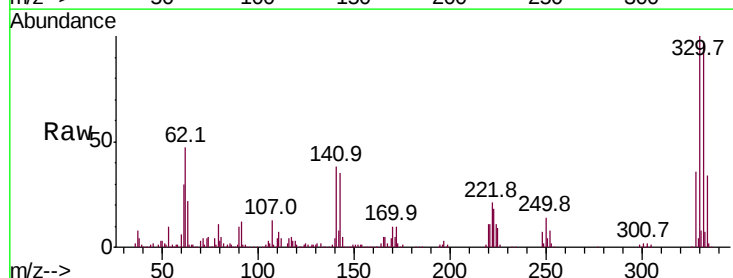
Tgt Ion:248 Resp: 21495

Ion Ratio Lower Upper

248 100

250 202.4 76.6 114.8#

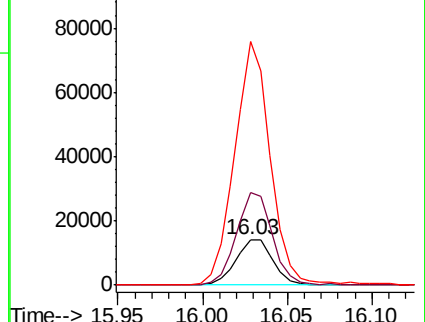
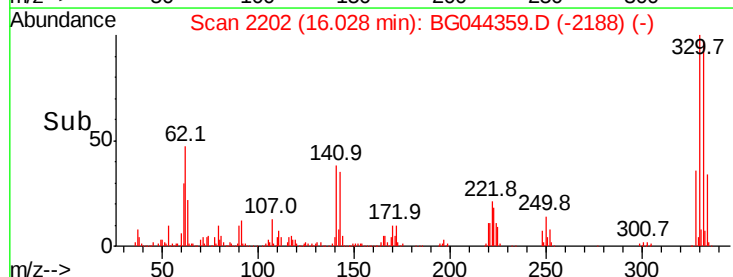
141 530.9 54.7 82.1#

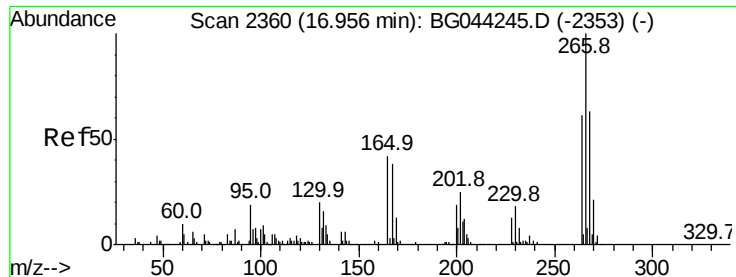


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 5.126 ng

RT: 16.89 min Scan# 2349

Delta R.T. -0.06 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

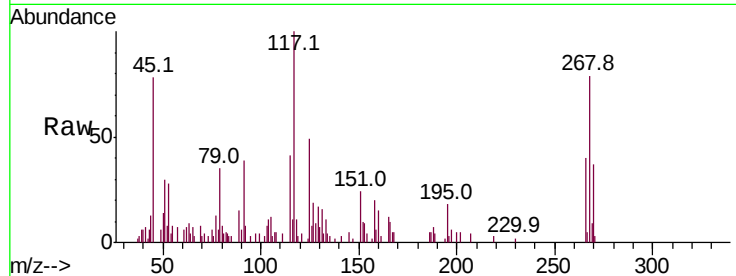
Tot Ion:266 Resp: 6383

Ion Ratio Lower Upper

266 100

268 199.0 50.6 75.8#

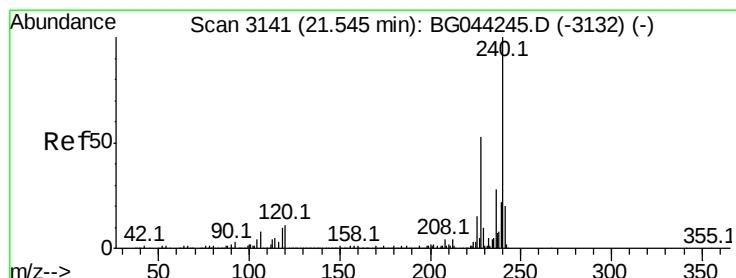
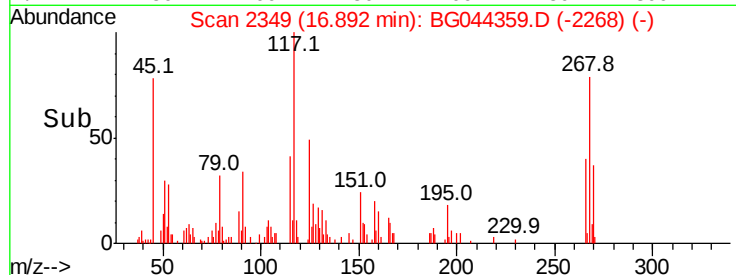
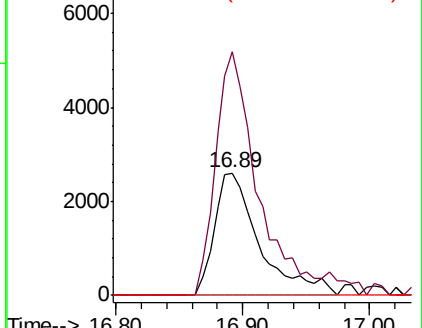
264 0.0 48.7 73.1#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

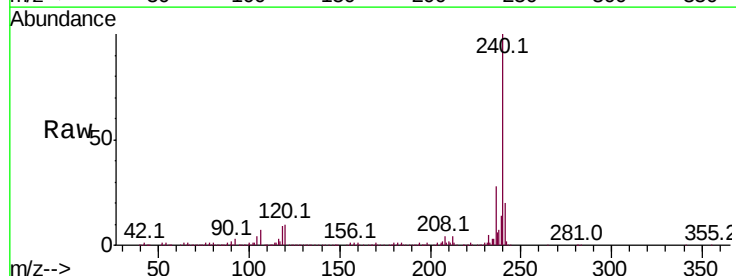
Tgt Ion:240 Resp: 502055

Ion Ratio Lower Upper

240 100

120 10.4 8.4 12.6

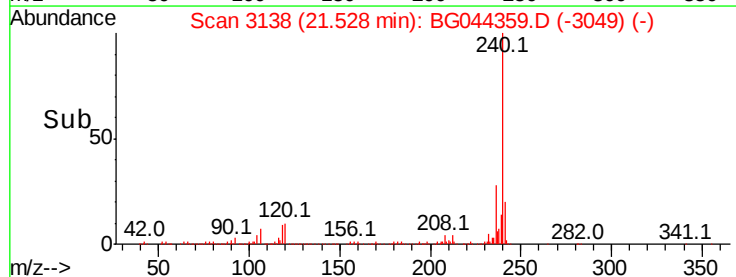
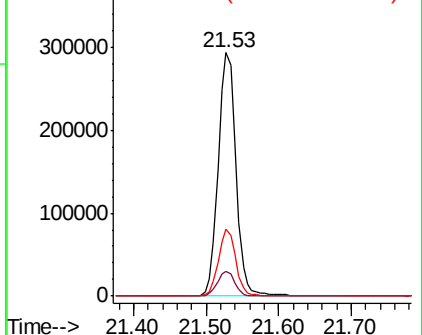
236 27.6 22.1 33.1

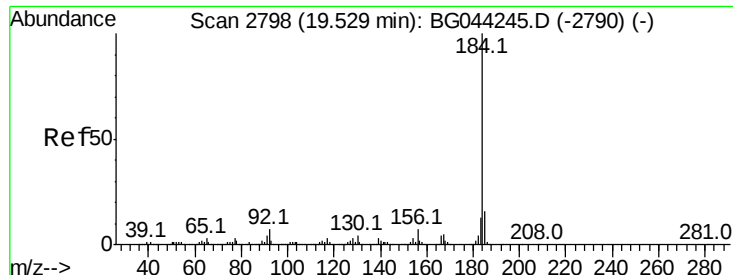


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.225 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

Instrument :

BNA_G

ClientSampleId :

TW-1

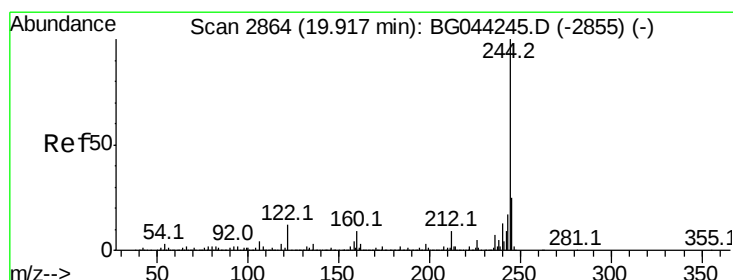
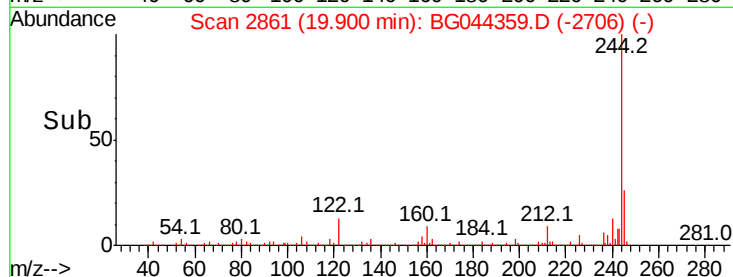
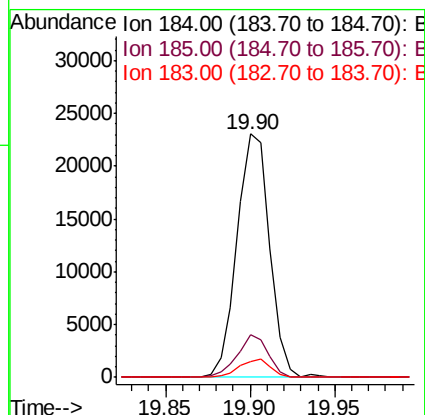
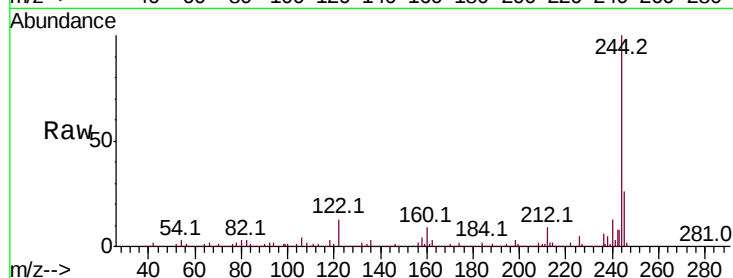
Tot Ion:184 Resp: 30990

Ion Ratio Lower Upper

184 100

185 17.6 12.9 19.3

183 6.7 10.8 16.2#



#79

Terphenyl-d14

Concen: 76.915 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG044359.D

Acq: 10 Feb 2020 16:42

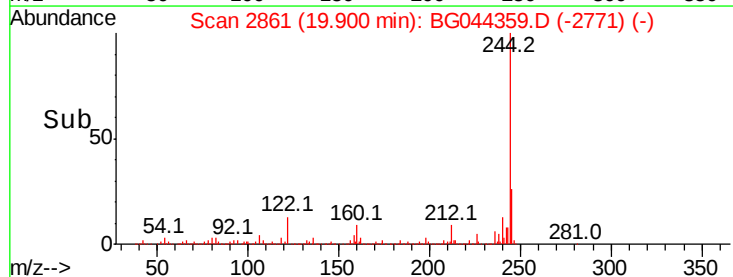
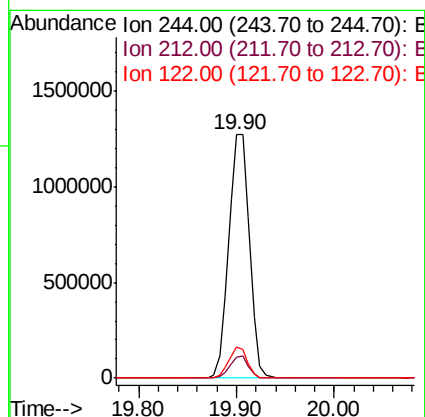
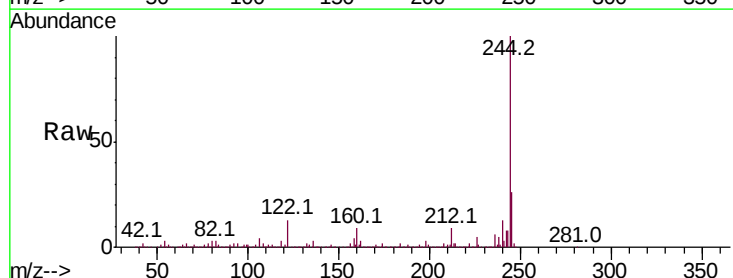
Tgt Ion:244 Resp: 1877399

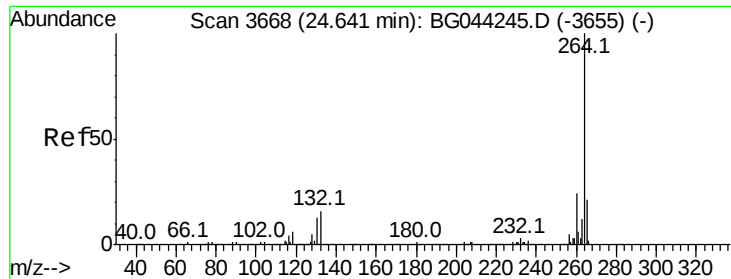
Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

122 12.5 9.8 14.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044359.D
Acq: 10 Feb 2020 16:42

Instrument :
BNA_G
ClientSampleId :
TW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.8	16.7	25.1

