

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043810.D
 Acq On : 12 Dec 2019 00:40
 Operator : JU
 Sample : K6245-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MEZZ-FLOOR

Quant Time: Dec 12 02:22:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	201401	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	806704	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	507742	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	966782	20.00	ng	0.00
76) Chrysene-d12	21.63	240	791654	20.00	ng	0.00
87) Perylene-d12	24.80	264	918839	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	547284	51.49	ng	0.00
7) Phenol-d6	7.17	99	791008	51.60	ng	0.00
23) Nitrobenzene-d5	9.15	82	481405	33.51	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	225500	46.59	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1051756	36.39	ng	0.00
79) Terphenyl-d14	19.99	244	1286069	39.08	ng	0.00

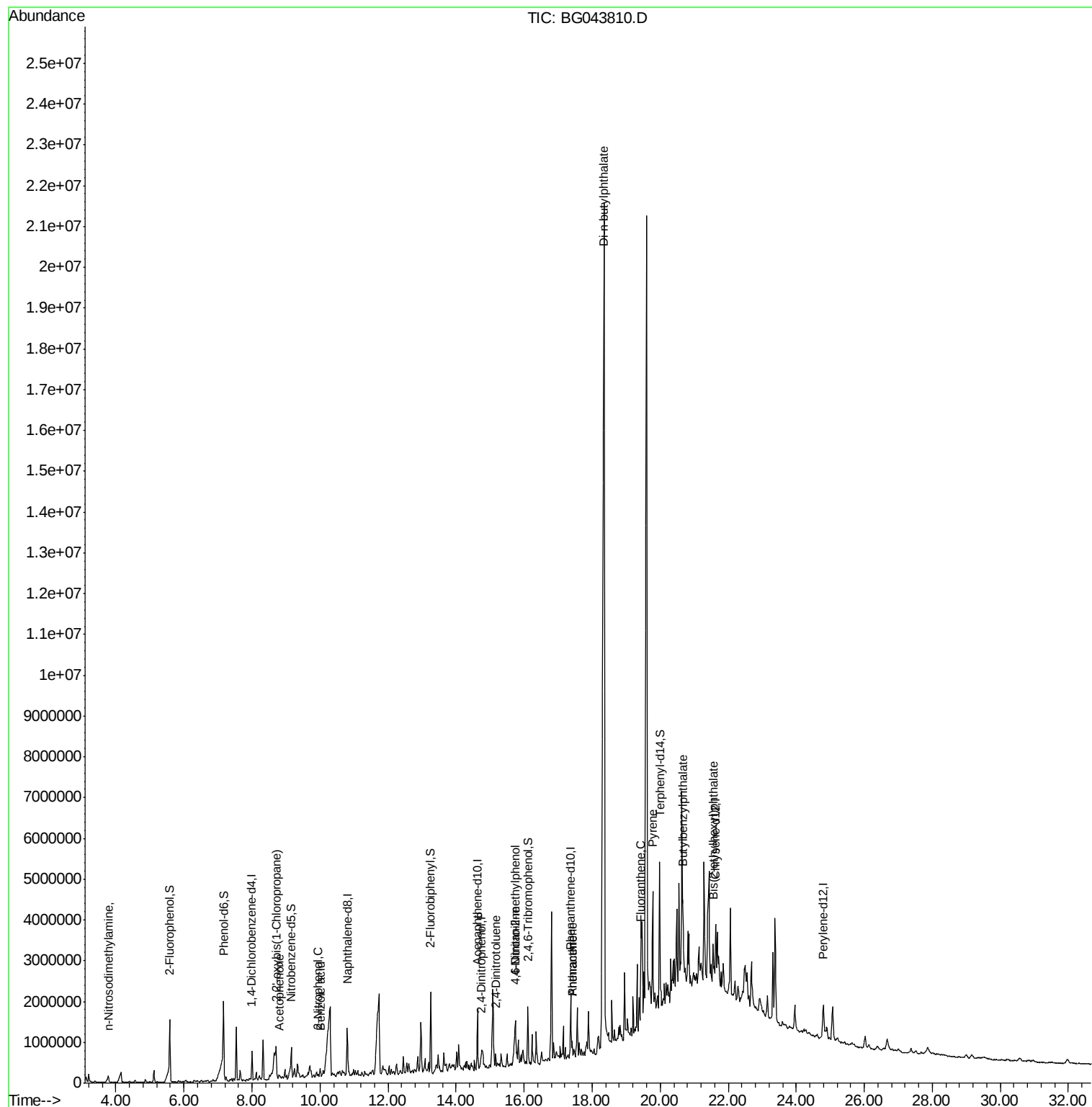
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.78	42	23078	3.539	ng	# 1
9) Benzaldehyde	7.13	77	4751	Below	Cal	# 52
16) 2,2'-oxybis(1-Chloropropan	8.72	45	149500	6.946	ng	# 79
22) Acetophenone	8.82	105	58458	2.906	ng	# 64
26) 2-Nitrophenol	9.94	139	2687	8.736	ng	# 1
32) Benzoic acid	10.04	122	3931	6.259	ng	# 51
54) 2,4-Dinitrophenol	14.73	184	352	4.100	ng	# 1
57) 2,4-Dinitrotoluene	15.17	165	98852	9.367	ng	# 28
62) 4-Nitroaniline	15.74	138	21954	2.371	ng	# 82
65) 4,6-Dinitro-2-methylphenol	15.72	198	594	9.628	ng	# 1
71) Phenanthrene	17.41	178	198501	4.337	ng	# 95
72) Anthracene	17.41	178	198501	4.381	ng	# 97
74) Di-n-butylphthalate	18.34	149	116786	2.405	ng	# 94
75) Fluoranthene	19.42	202	149333	2.851	ng	# 97
78) Pyrene	19.78	202	110967	2.145	ng	# 96
80) Butylbenzylphthalate	20.68	149	104516	4.851	ng	# 50
84) Bis(2-ethylhexyl)phthalate	21.55	149	252405	8.167	ng	# 98

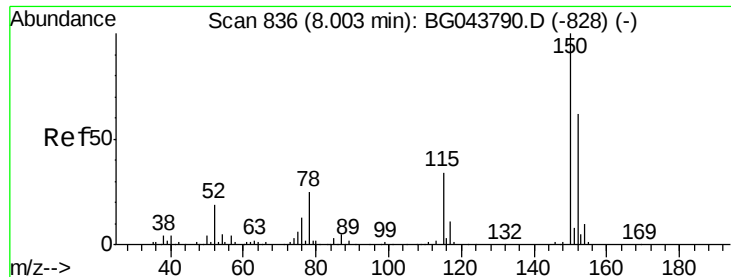
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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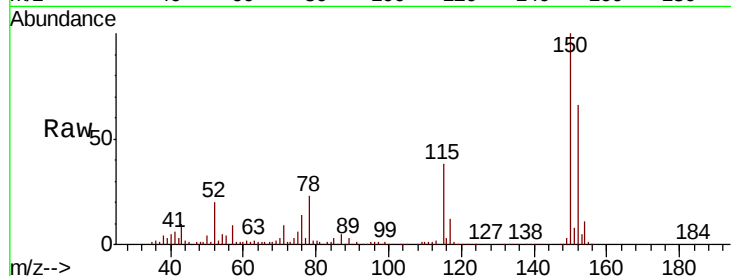


#1

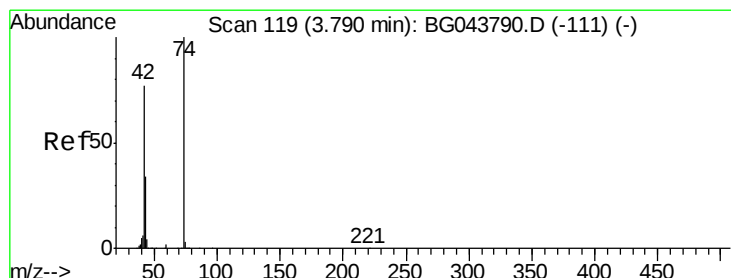
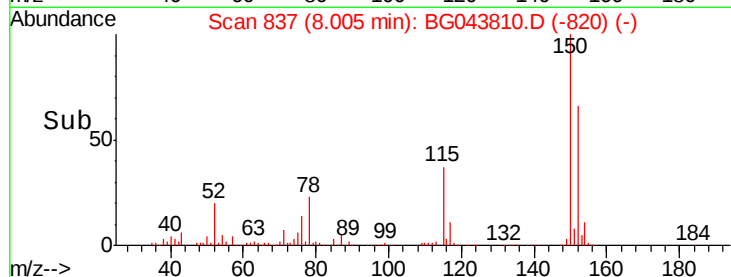
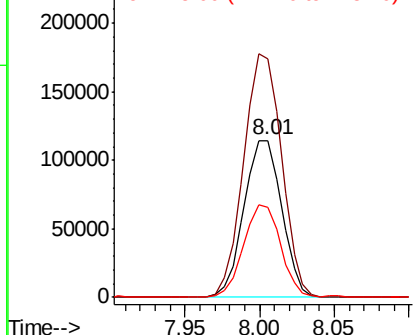
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

Tot Ion:152 Resp: 201401
Ion Ratio Lower Upper
152 100
150 152.1 128.6 192.8
115 57.2 44.3 66.5



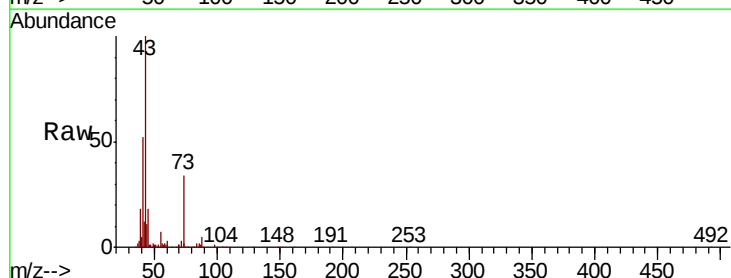
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



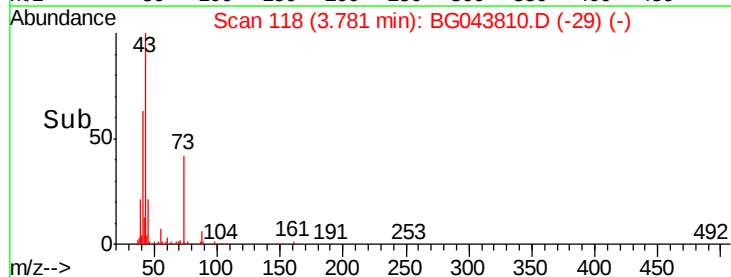
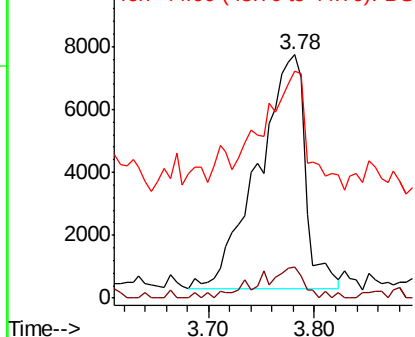
#4

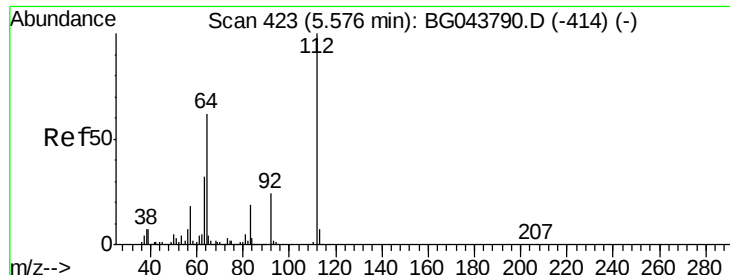
n-Nitrosodimethylamine
Concen: 3.539 ng
RT: 3.78 min Scan# 118
Delta R.T. -0.01 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion: 42 Resp: 23078
Ion Ratio Lower Upper
42 100
74 12.8 104.2 156.4#
44 93.2 5.6 8.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 51.487 ng

RT: 5.58 min Scan# 424

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

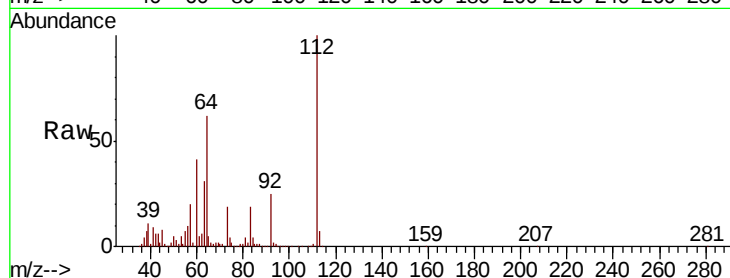
Tot Ion:112 Resp: 547284

Ion Ratio Lower Upper

112 100

64 61.8 49.9 74.9

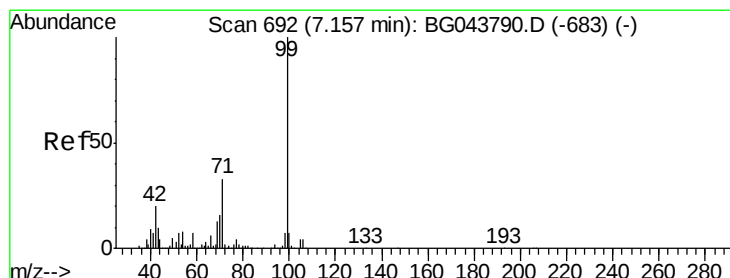
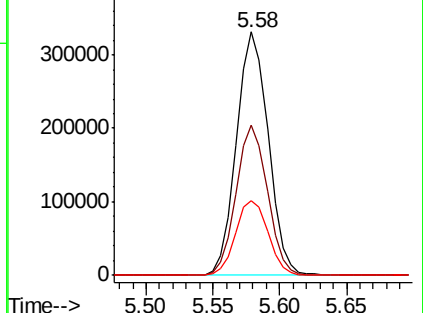
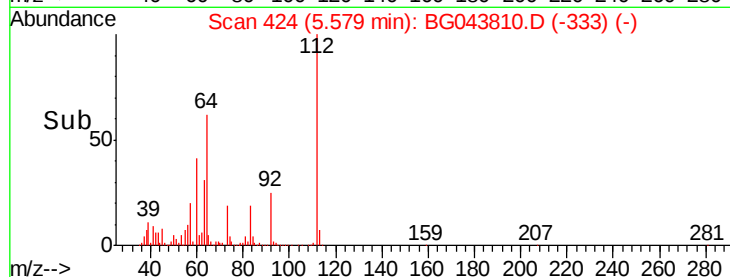
63 30.7 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 51.599 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

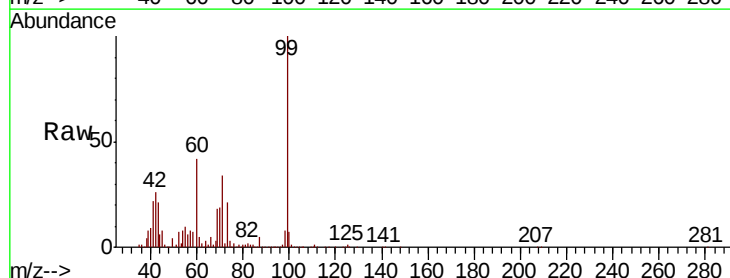
Tgt Ion: 99 Resp: 791008

Ion Ratio Lower Upper

99 100

42 26.0 16.2 24.2#

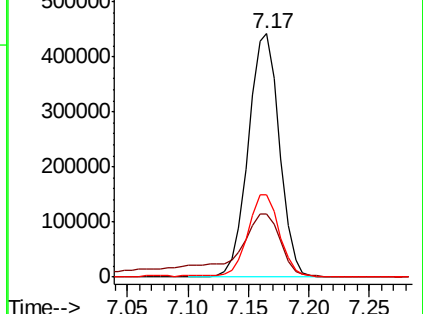
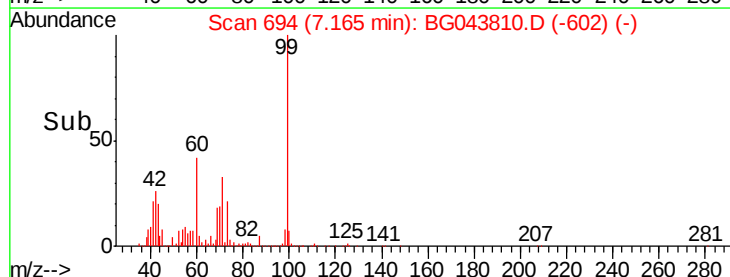
71 33.7 26.6 40.0

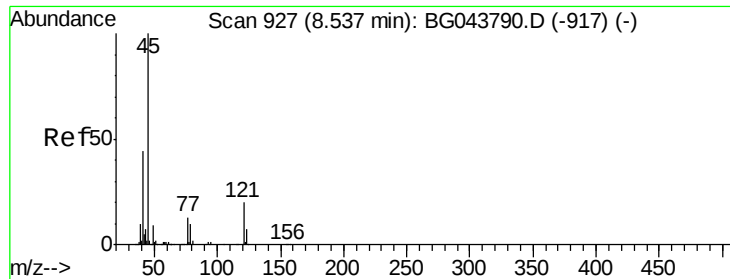


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

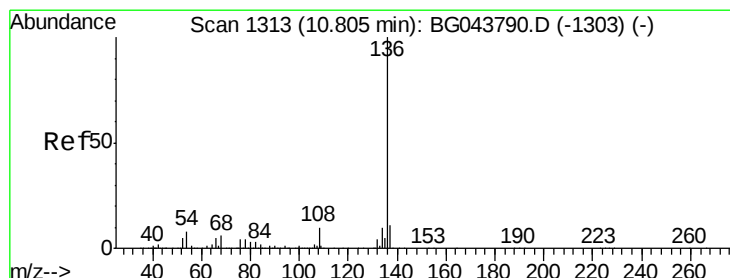
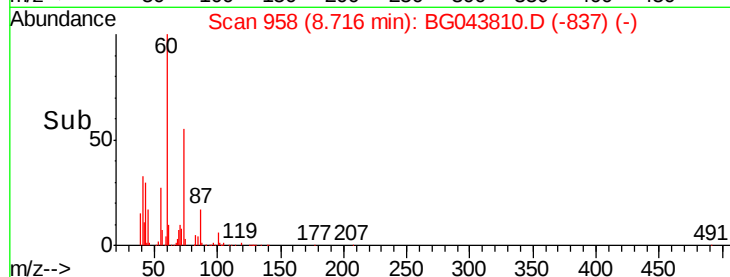
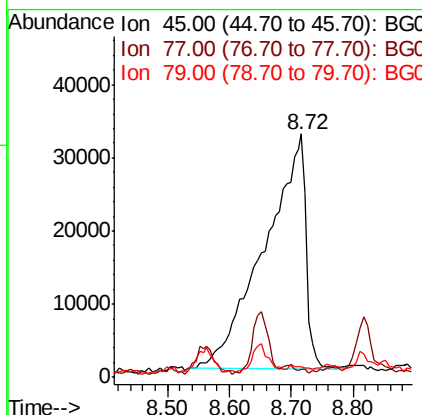
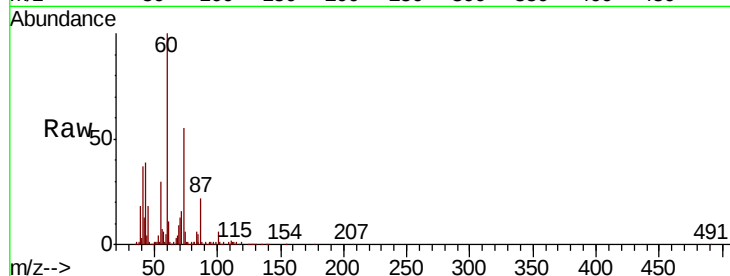




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 6.946 ng
RT: 8.72 min Scan# 958
Delta R.T. 0.18 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

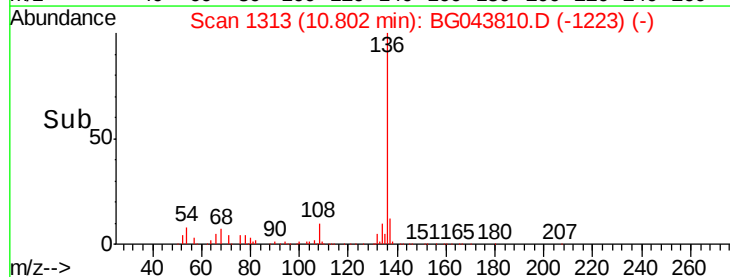
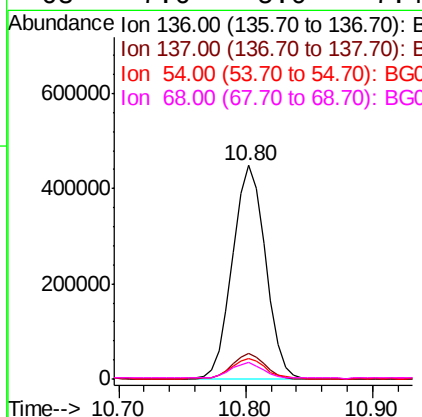
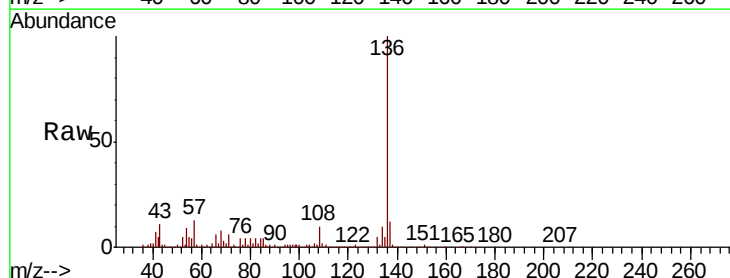
Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

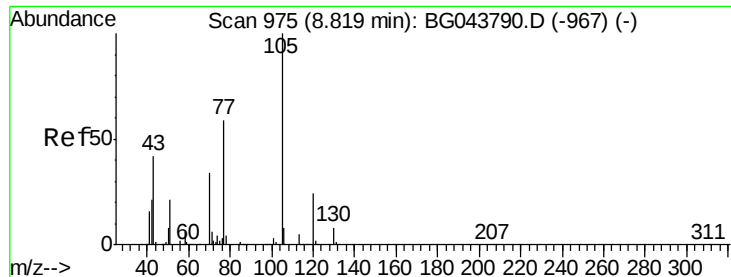
Tot Ion: 45 Resp: 149500
Ion Ratio Lower Upper
45 100
77 3.5 0.0 33.6
79 4.4 0.0 29.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion: 136 Resp: 806704
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 9.4 6.8 10.2
68 7.6 5.0 7.4#





#22

Acetophenone

Concen: 2.906 ng

RT: 8.82 min Scan# 975

Delta R.T. -0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

Tot Ion:105 Resp: 58458

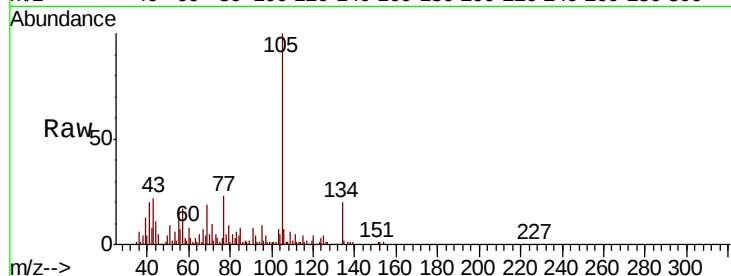
Ion Ratio Lower Upper

105 100

71 9.8 4.9 7.3#

51 8.6 22.2 33.4#

120 3.6 19.0 28.6#

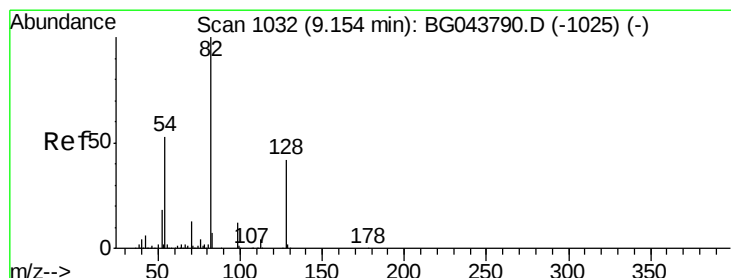
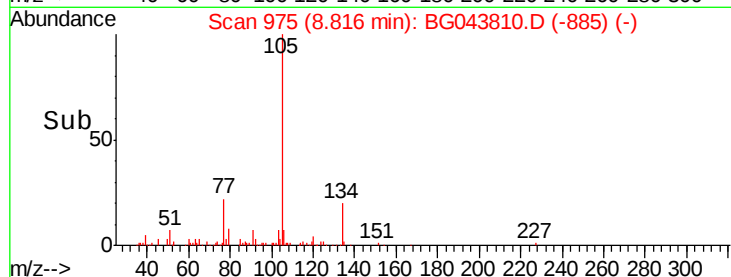
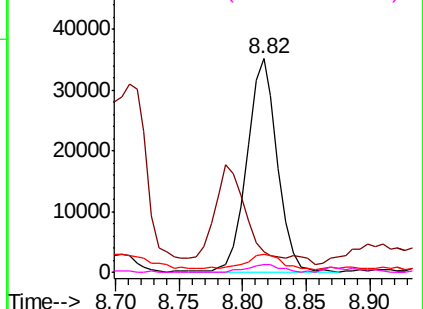


Abundance Ion 105.00 (104.70 to 105.70): E

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: 33.506 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

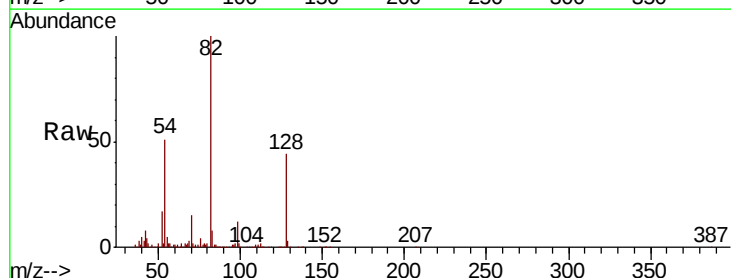
Tgt Ion: 82 Resp: 481405

Ion Ratio Lower Upper

82 100

128 43.6 33.6 50.4

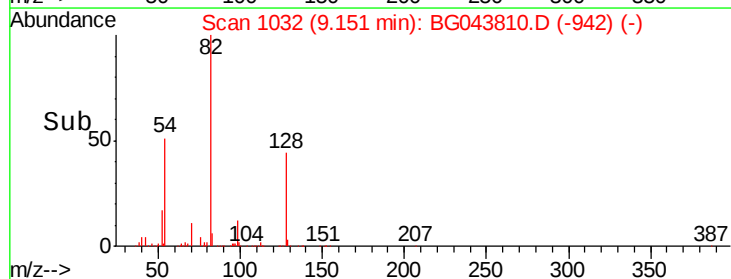
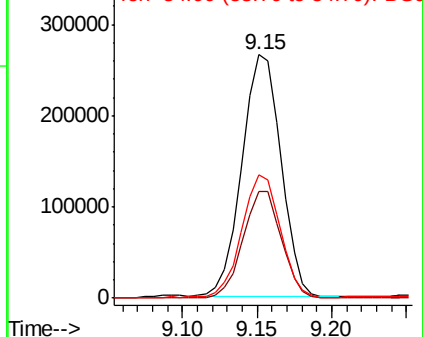
54 50.8 42.1 63.1

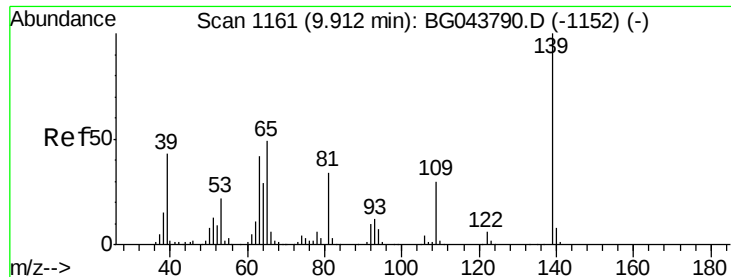


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#26

2-Nitrophenol

Concen: 8.736 ng

RT: 9.94 min Scan# 1166

Delta R.T. 0.03 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

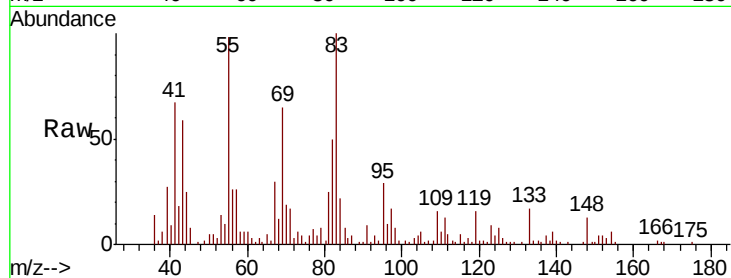
Tot Ion:139 Resp: 2687

Ion Ratio Lower Upper

139 100

109 254.7 23.9 35.9#

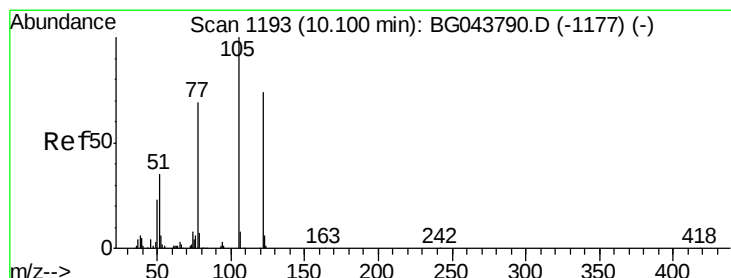
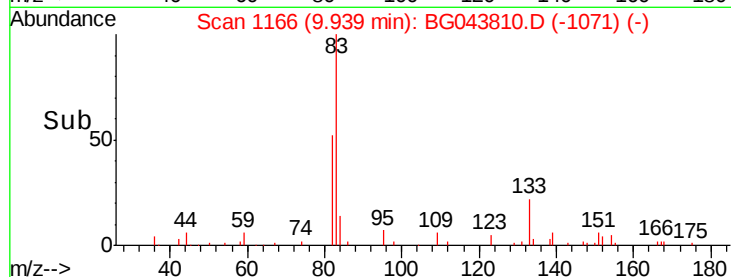
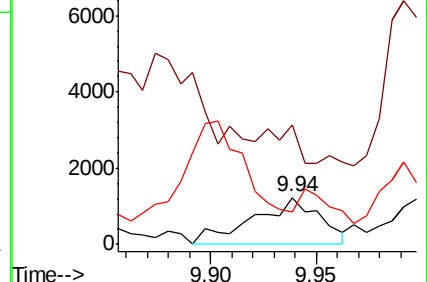
65 70.6 39.3 58.9#



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



#32

Benzoic acid

Concen: 6.259 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

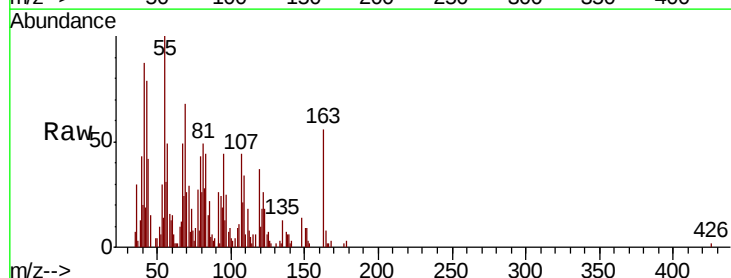
Tgt Ion:122 Resp: 3931

Ion Ratio Lower Upper

122 100

105 41.7 107.5 147.5#

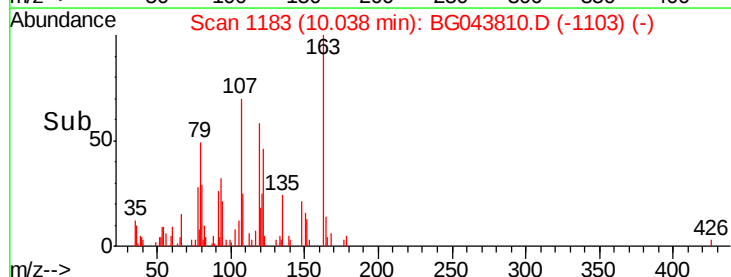
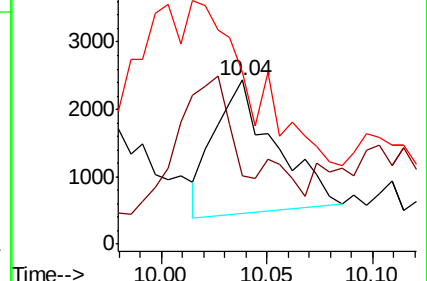
77 105.3 71.7 111.7

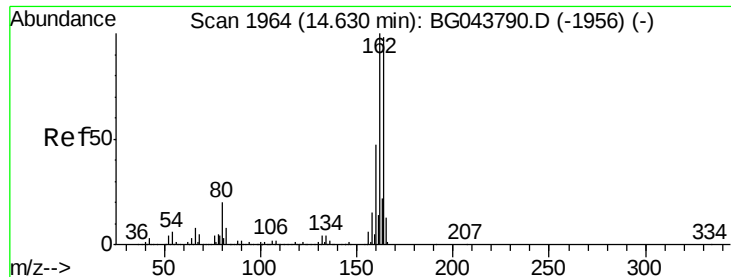


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

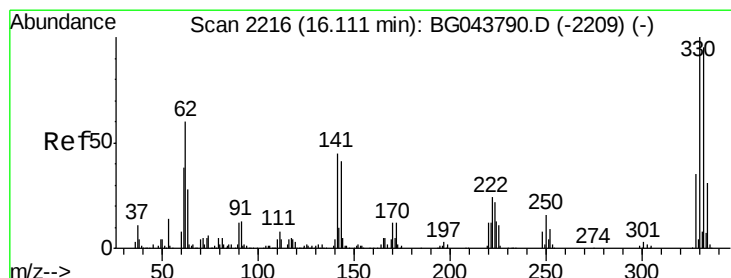
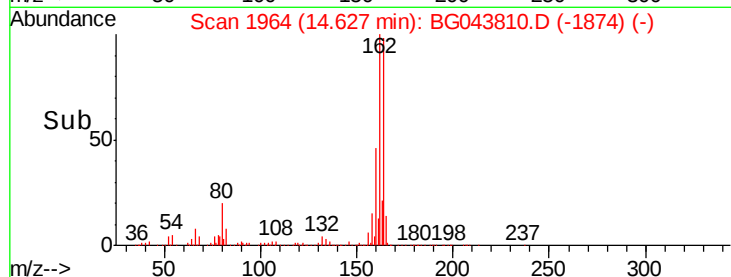
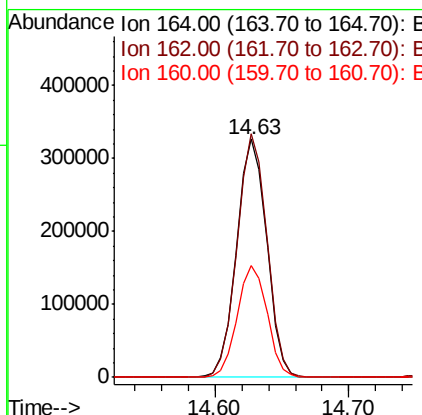
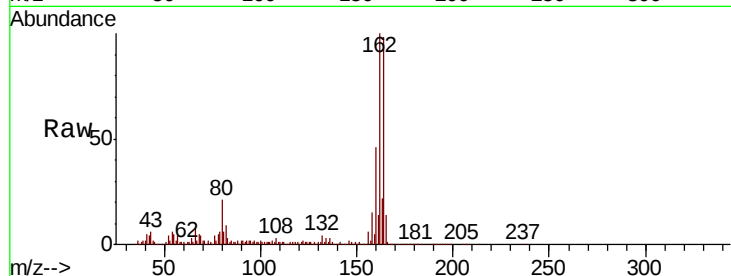




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

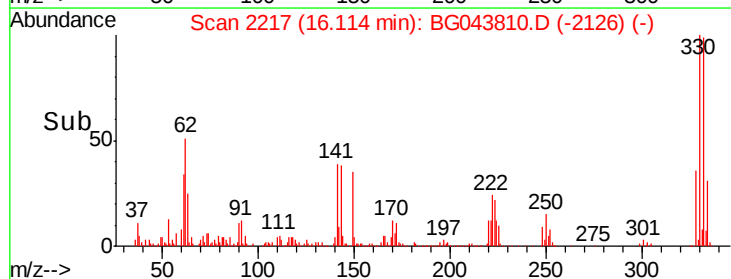
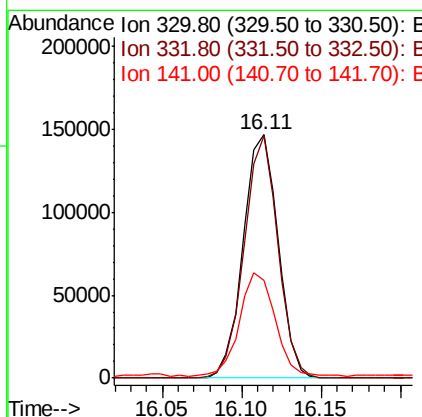
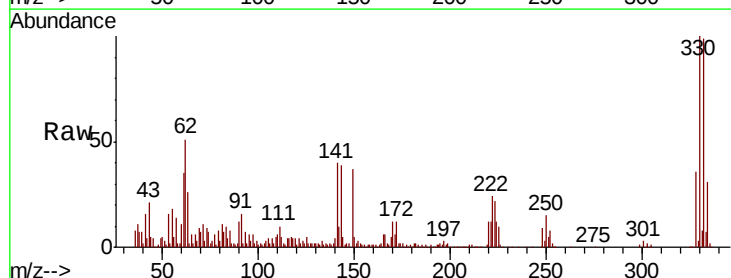
Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

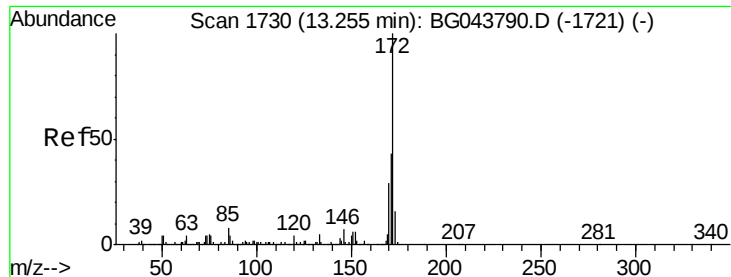
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.9	122.9
160	46.8	38.3	57.5



#42
2,4,6-Tribromophenol
Concen: 46.586 ng
RT: 16.11 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	43.0	33.8	50.8

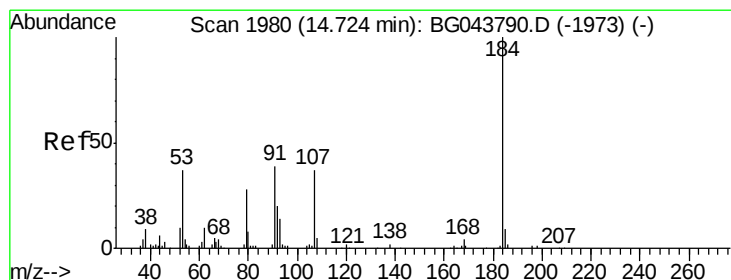
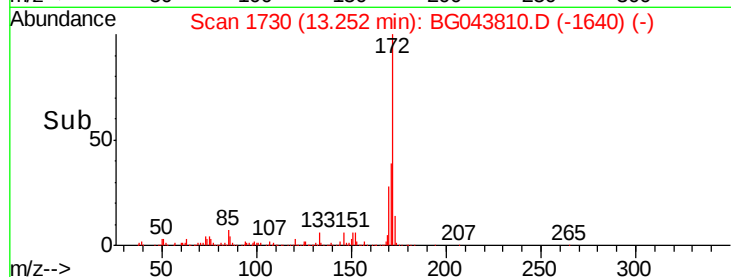
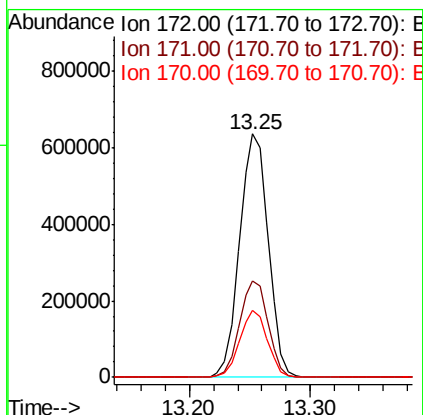
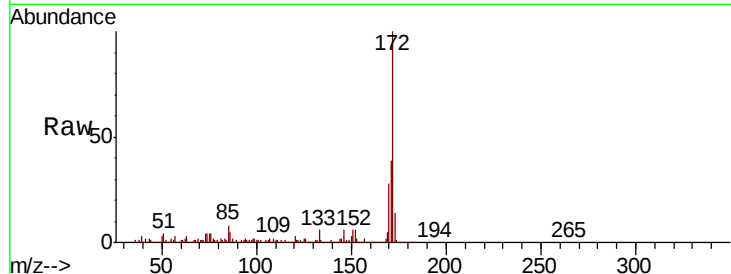




#45
2-Fluorobiphenyl
Concen: 36.386 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

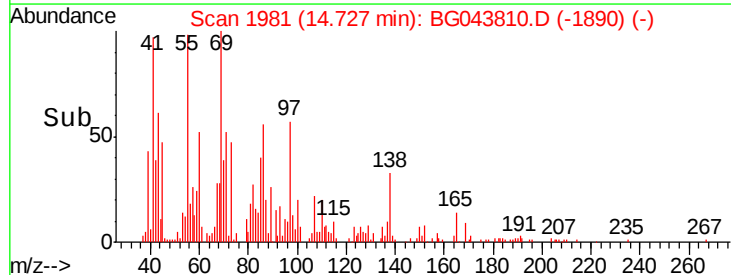
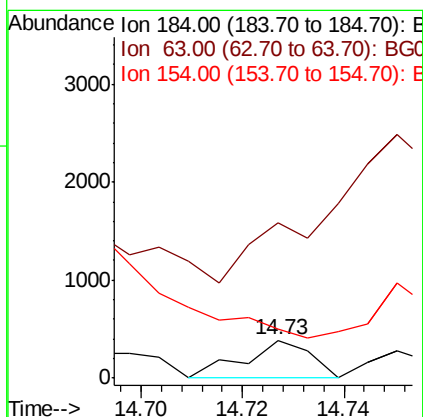
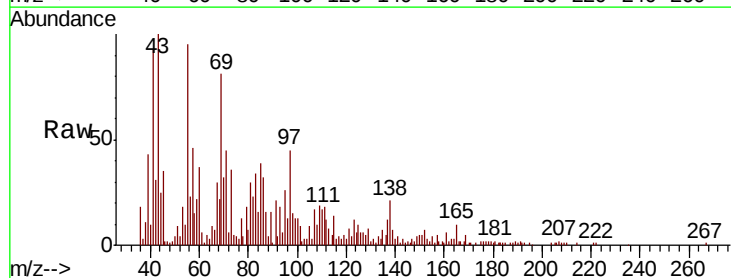
Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

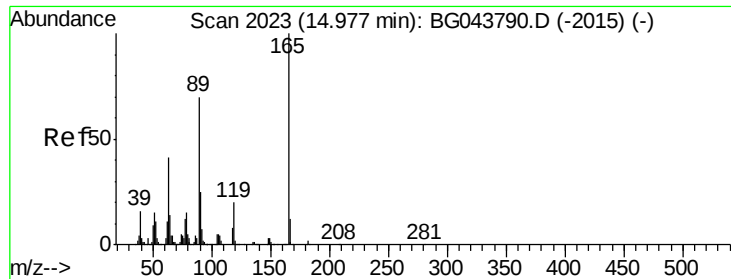
Tot Ion:172 Resp: 1051756
Ion Ratio Lower Upper
172 100
171 39.4 34.6 51.8
170 27.5 23.3 34.9



#54
2,4-Dinitrophenol
Concen: 4.100 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion:184 Resp: 352
Ion Ratio Lower Upper
184 100
63 413.0 43.4 65.0#
154 129.2 54.8 82.2#

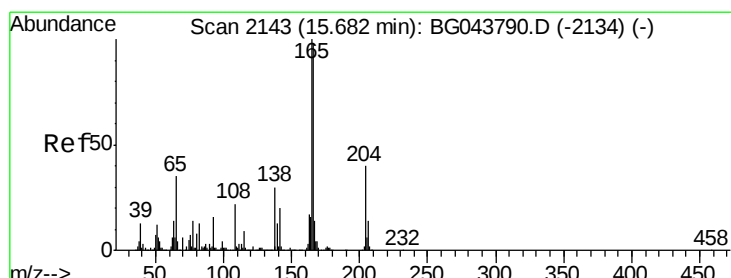
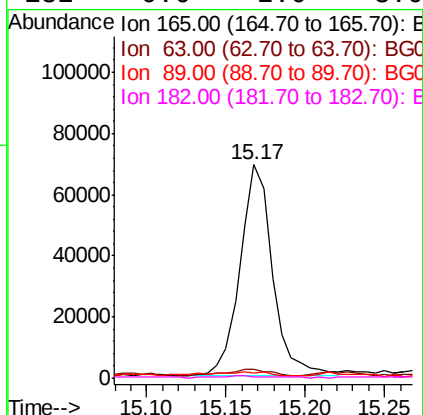
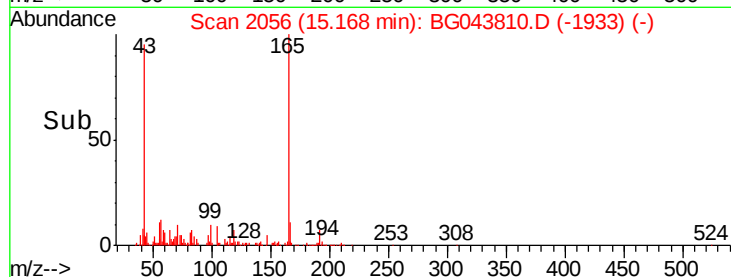
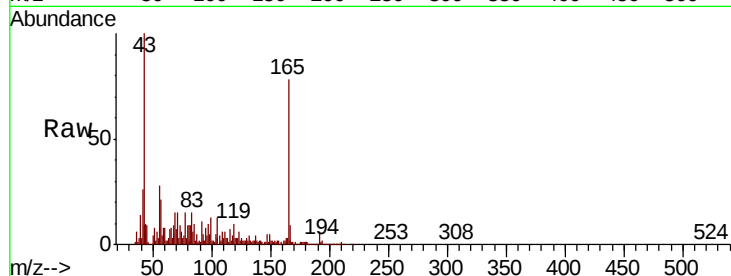




#57
2,4-Dinitrotoluene
Concen: 9.367 ng
RT: 15.17 min Scan# 2056
Delta R.T. 0.19 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

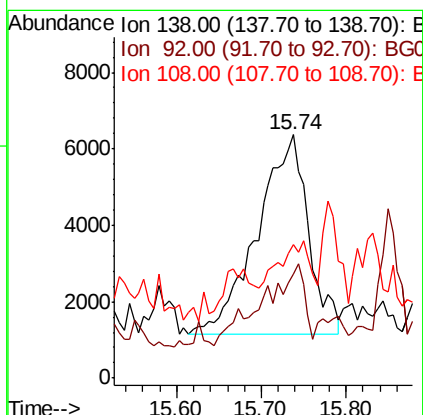
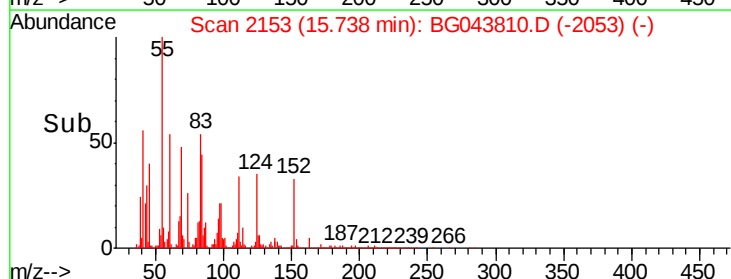
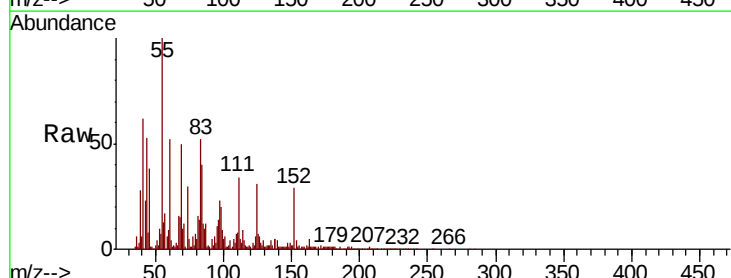
Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

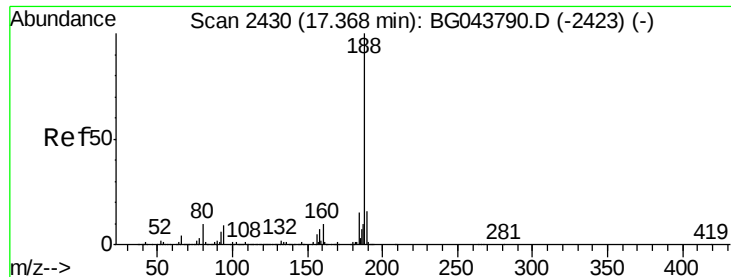
Tot Ion:165 Resp: 98852
Ion Ratio Lower Upper
165 100
63 4.2 32.7 49.1#
89 2.4 56.1 84.1#
182 0.6 2.0 3.0#



#62
4-Nitroaniline
Concen: 2.371 ng
RT: 15.74 min Scan# 2153
Delta R.T. 0.06 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion:138 Resp: 21954
Ion Ratio Lower Upper
138 100
92 42.5 31.5 71.5
108 54.8 53.1 93.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

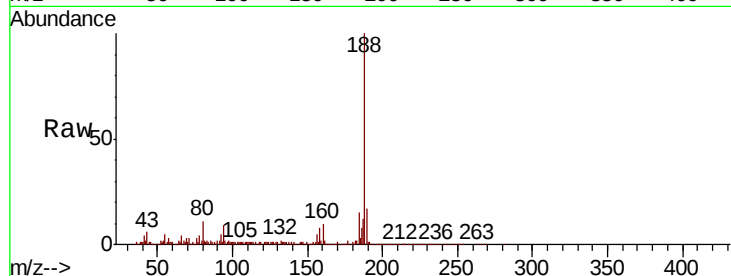
Tot Ion:188 Resp: 966782

Ion Ratio Lower Upper

188 100

94 9.5 6.9 10.3

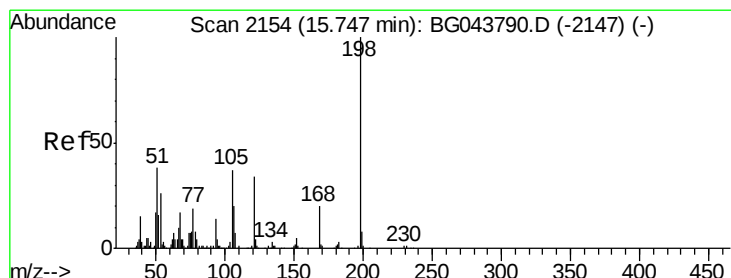
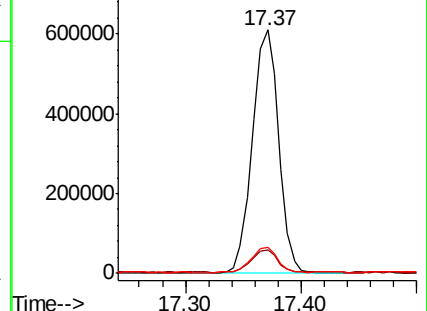
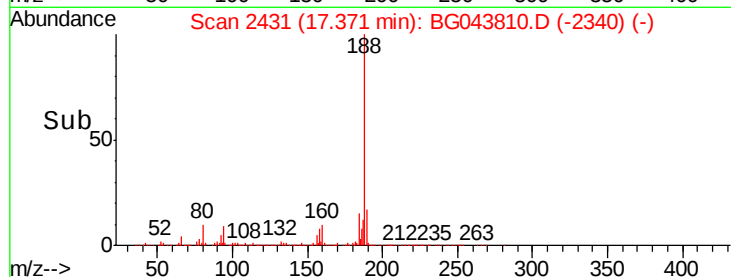
80 10.9 7.8 11.8



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: 9.628 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.03 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

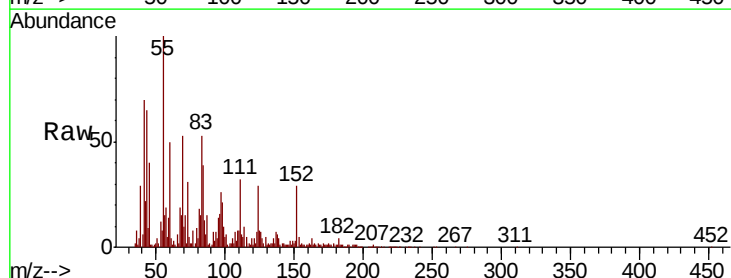
Tgt Ion:198 Resp: 594

Ion Ratio Lower Upper

198 100

51 1132.4 18.9 58.9#

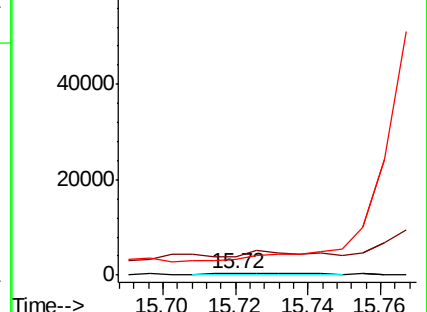
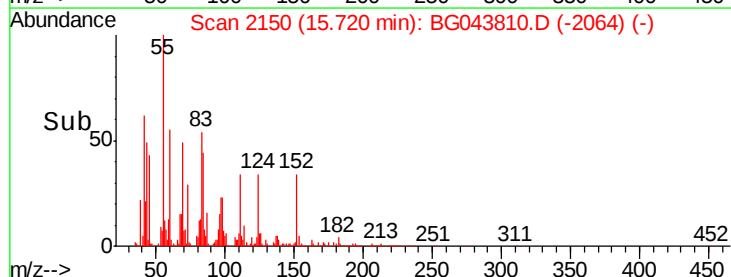
105 1015.6 18.1 58.1#

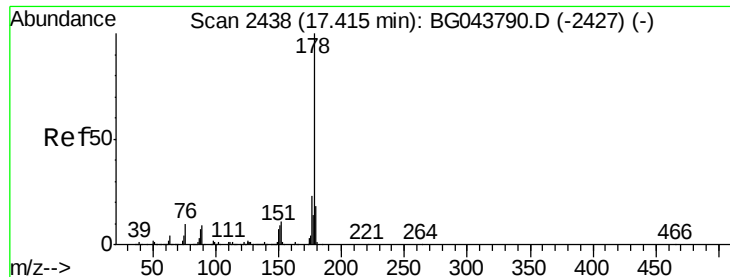


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 4.337 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

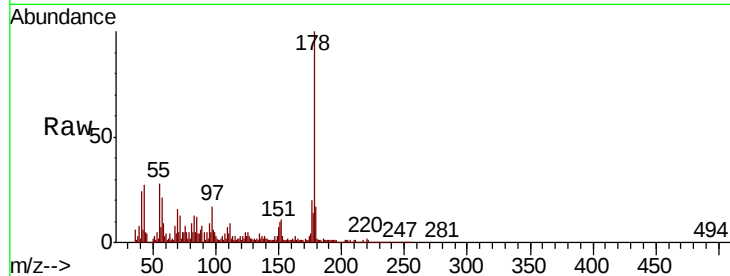
Tot Ion:178 Resp: 198501

Ion Ratio Lower Upper

178 100

176 20.4 18.6 27.8

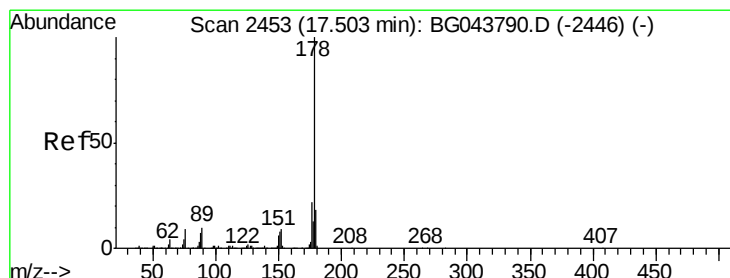
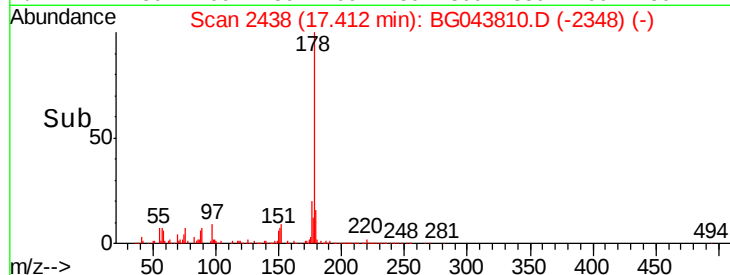
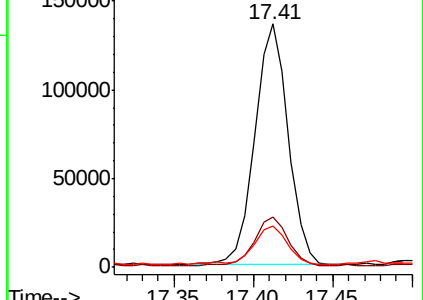
179 16.7 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.381 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.09 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

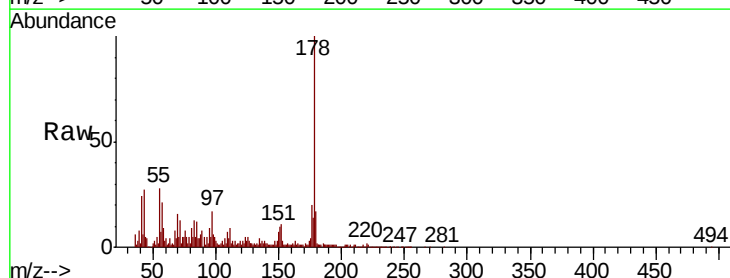
Tgt Ion:178 Resp: 198501

Ion Ratio Lower Upper

178 100

176 20.4 17.7 26.5

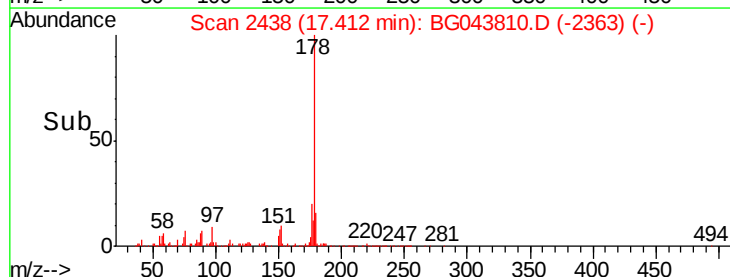
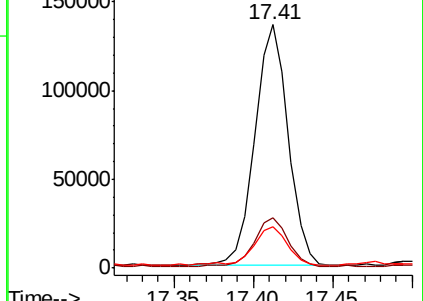
179 16.7 14.5 21.7

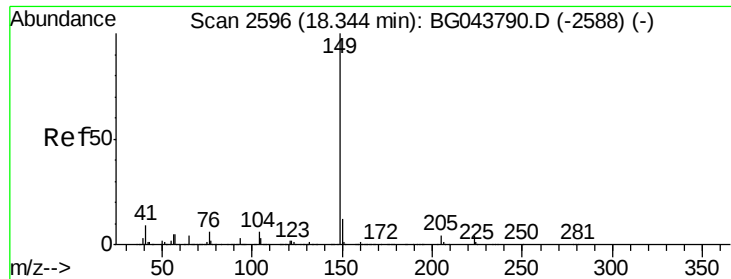


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 2.405 ng

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

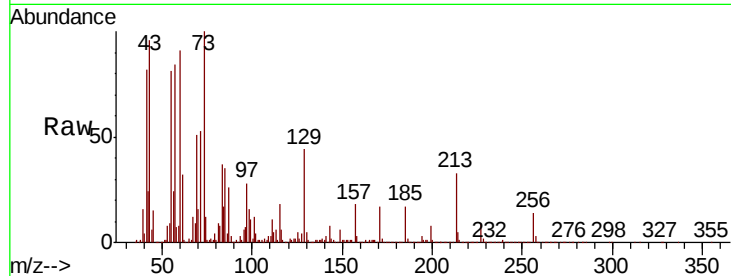
Tot Ion:149 Resp: 116786

Ion Ratio Lower Upper

149 100

150 13.3 9.4 14.0

104 9.2 4.8 7.2#

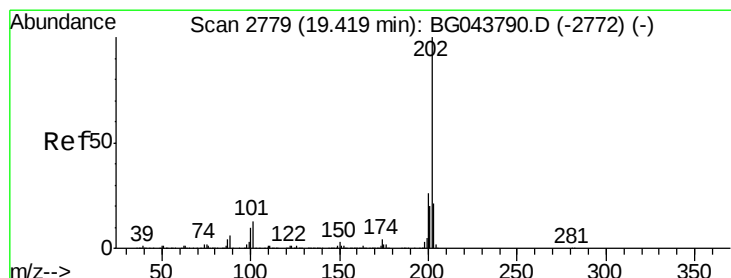
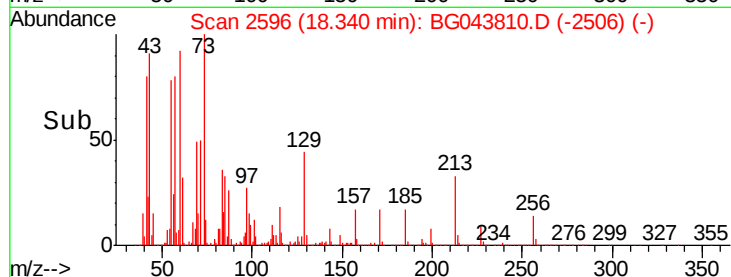
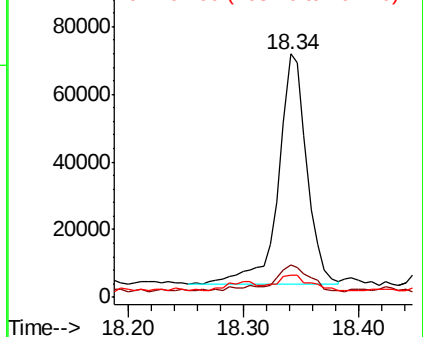


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 2.851 ng

RT: 19.42 min Scan# 2780

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

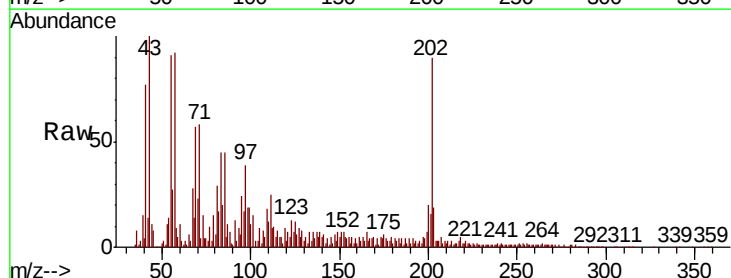
Tgt Ion:202 Resp: 149333

Ion Ratio Lower Upper

202 100

101 16.1 0.0 32.7

203 21.0 1.0 41.0

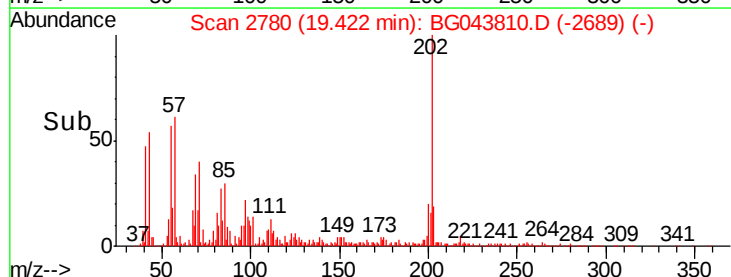
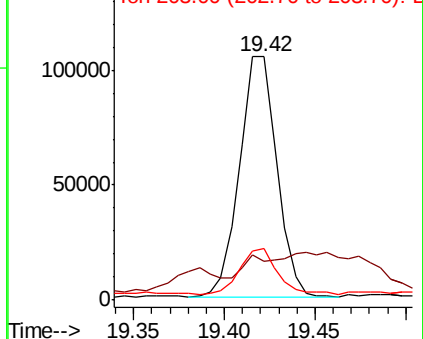


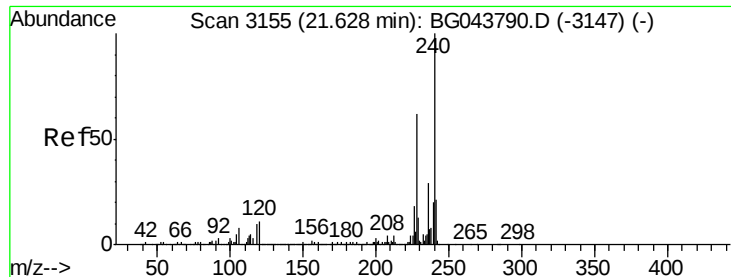
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

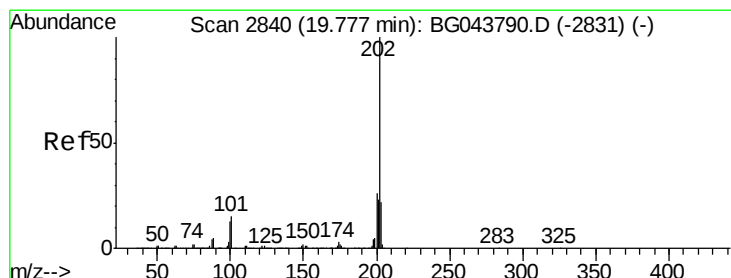
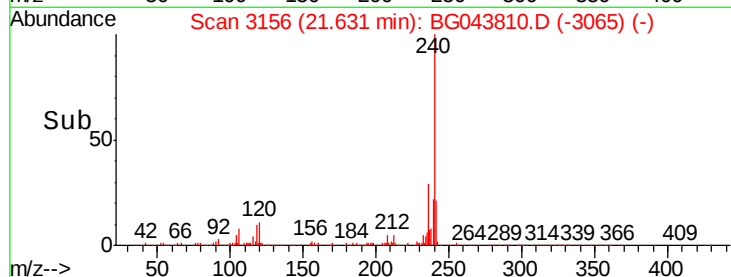
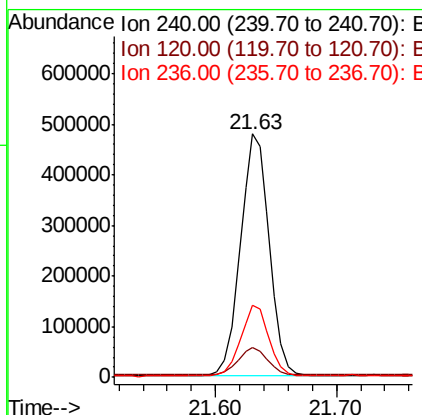
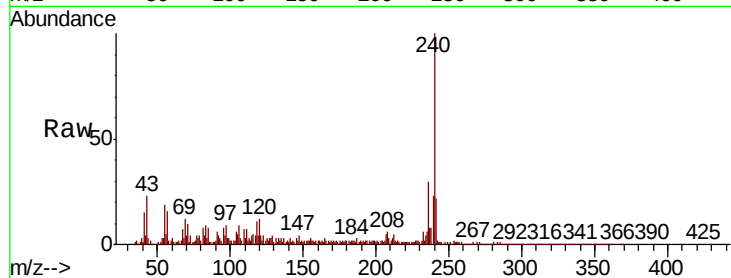




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

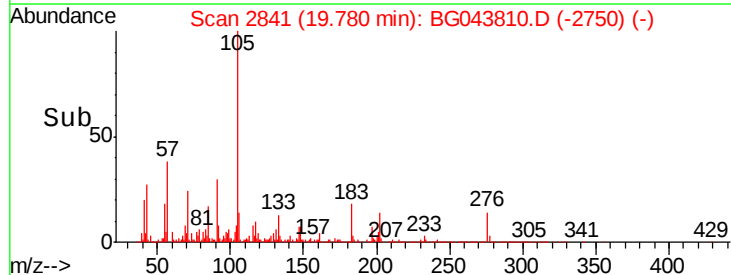
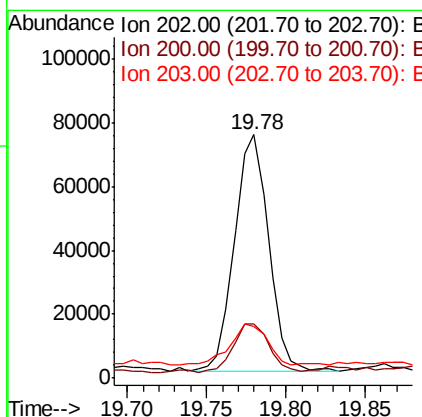
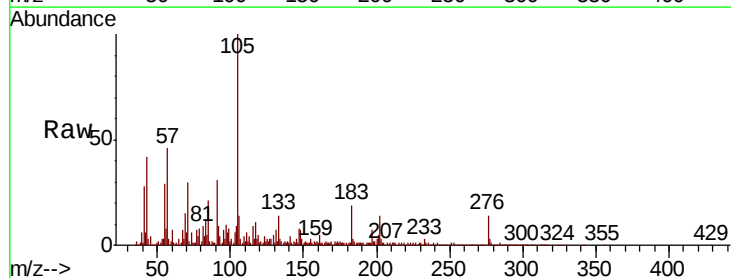
Instrument :
BNA_G
ClientSampleId :
MEZZ-FLOOR

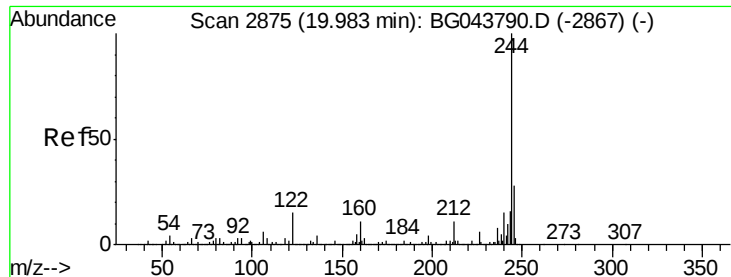
Tot Ion:240 Resp: 791654
Ion Ratio Lower Upper
240 100
120 12.5 8.6 12.8
236 29.8 23.1 34.7



#78
Pyrene
Concen: 2.145 ng
RT: 19.78 min Scan# 2841
Delta R.T. 0.00 min
Lab File: BG043810.D
Acq: 12 Dec 2019 00:40

Tgt Ion:202 Resp: 110967
Ion Ratio Lower Upper
202 100
200 22.4 20.8 31.2
203 21.4 17.7 26.5





#79

Terphenyl-d14

Concen: 39.083 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

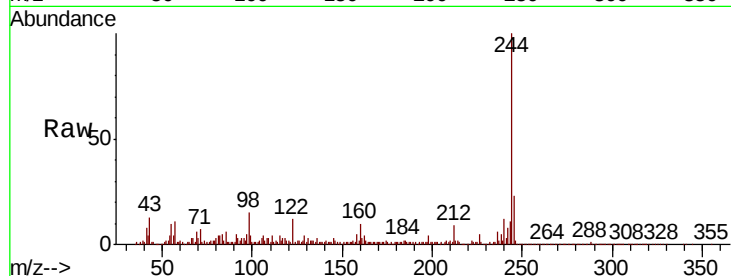
Tot Ion:244 Resp: 1286069

Ion	Ratio	Lower	Upper
244	100		
212	9.4	9.1	13.7
122	12.1	11.6	17.4

244 100

212 9.4 9.1 13.7

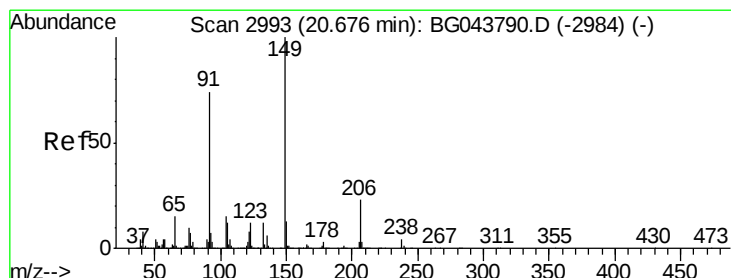
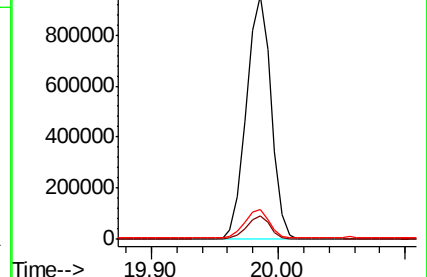
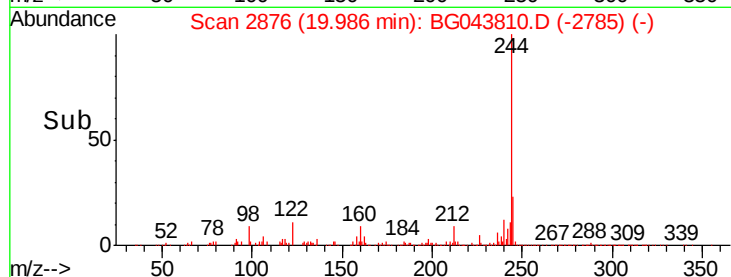
122 12.1 11.6 17.4



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



#80

Butylbenzylphthalate

Concen: 4.851 ng

RT: 20.68 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

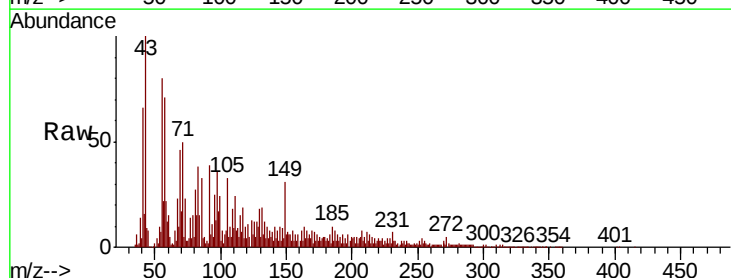
Tgt Ion:149 Resp: 104516

Ion	Ratio	Lower	Upper
149	100		
91	126.4	59.0	88.4#
206	17.5	18.6	28.0#

149 100

91 126.4 59.0 88.4#

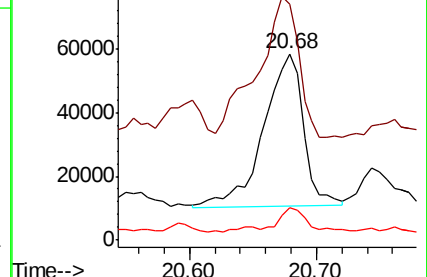
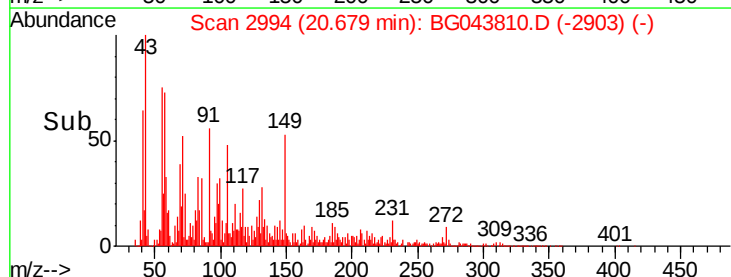
206 17.5 18.6 28.0#

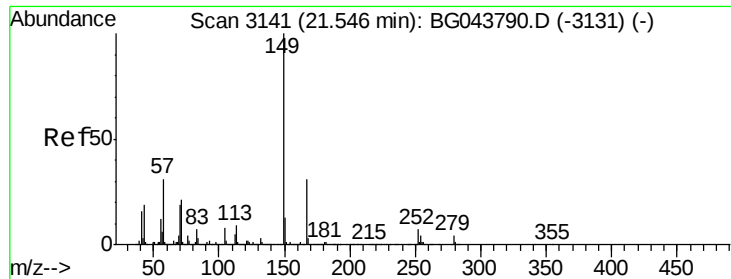


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.167 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

Instrument :

BNA_G

ClientSampleId :

MEZZ-FLOOR

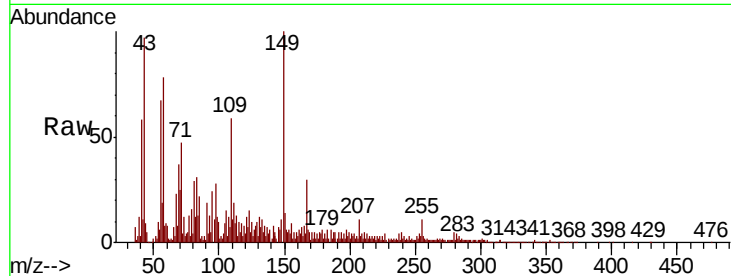
Tot Ion:149 Resp: 252405

Ion Ratio Lower Upper

149 100

167 30.1 25.1 37.7

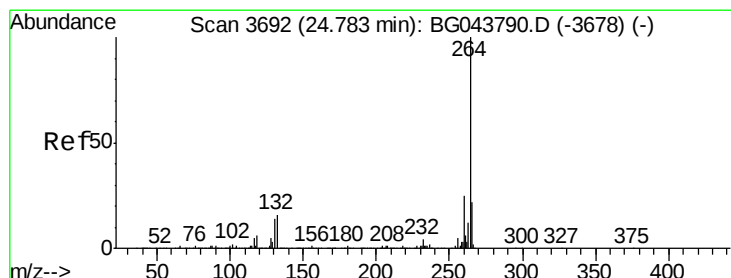
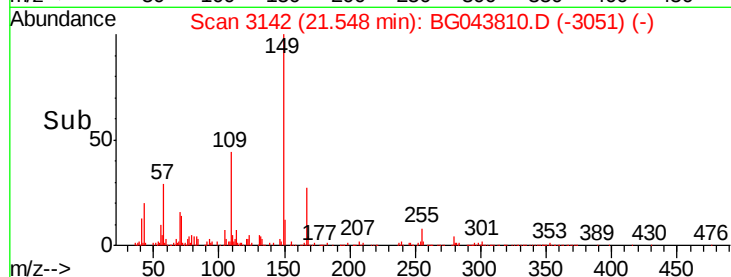
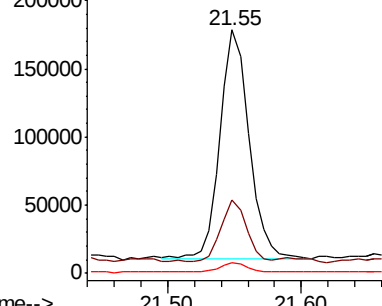
279 4.5 3.5 5.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.80 min Scan# 3695

Delta R.T. 0.01 min

Lab File: BG043810.D

Acq: 12 Dec 2019 00:40

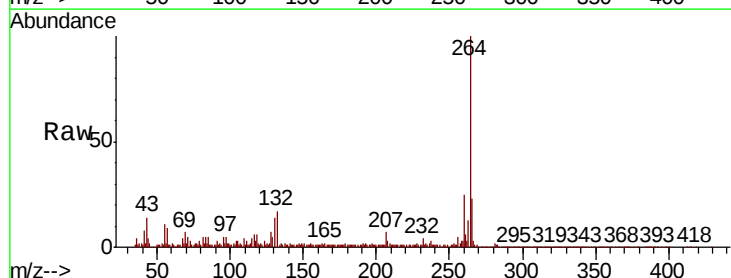
Tgt Ion:264 Resp: 918839

Ion Ratio Lower Upper

264 100

260 25.4 19.8 29.8

265 22.5 17.9 26.9



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

