

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043962.D
 Acq On : 7 Jan 2020 20:12
 Operator : JU
 Sample : L1039-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 02:42:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	174961	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	731132	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	397288	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	670106	20.00	ng	0.00
76) Chrysene-d12	21.60	240	577492	20.00	ng	0.01
87) Perylene-d12	24.73	264	706336	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	810454	85.05	ng	0.00
7) Phenol-d6	7.13	99	1128435	84.72	ng	0.00
23) Nitrobenzene-d5	9.12	82	689556	50.45	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	300035	72.17	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1345475	61.36	ng	0.00
79) Terphenyl-d14	19.96	244	1383808	51.03	ng	0.00

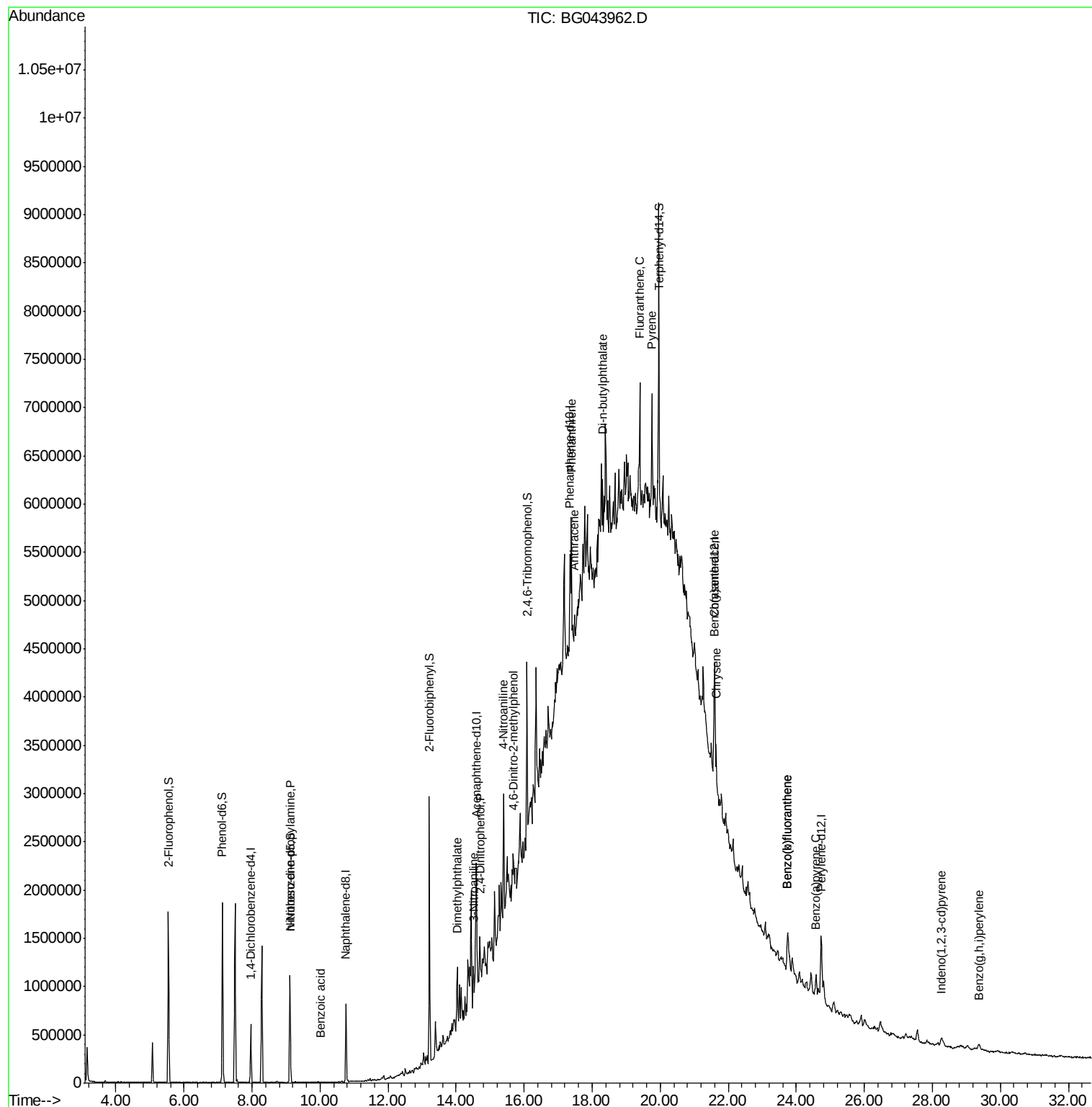
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.12	70	92208	9.296	ng	# 80
32) Benzoic acid	10.02	122	112	6.274	ng	# 47
50) Dimethylphthalate	14.05	163	90970	3.225	ng	# 91
53) 3-Nitroaniline	14.51	138	19013	2.626	ng	# 13
54) 2,4-Dinitrophenol	14.71	184	195	5.539	ng	# 1
62) 4-Nitroaniline	15.40	138	23611	3.302	ng	85
65) 4,6-Dinitro-2-methylphenol	15.69	198	2781	5.122	ng	# 1
71) Phenanthrene	17.39	178	694903	21.620	ng	# 94
72) Anthracene	17.48	178	147649	4.648	ng	# 82
74) Di-n-butylphthalate	18.31	149	83133	2.219	ng	# 52
75) Fluoranthene	19.40	202	694203	18.885	ng	99
78) Pyrene	19.76	202	734362	19.482	ng	97
81) Benzo(a)anthracene	21.58	228	360156	10.058	ng	97
83) Chrysene	21.64	228	307231	9.030	ng	96
86) Indeno(1,2,3-cd)pyrene	28.28	276	147688	3.194	ng	# 84
88) Benzo(b)fluoranthene	23.75	252	365720	8.758	ng	# 94
89) Benzo(k)fluoranthene	23.75	252	365720	9.210	ng	# 95
90) Benzo(a)pyrene	24.59	252	270718	6.869	ng	# 96
92) Benzo(a,h,i)perylene	29.38	276	141157	3.590	ng	97

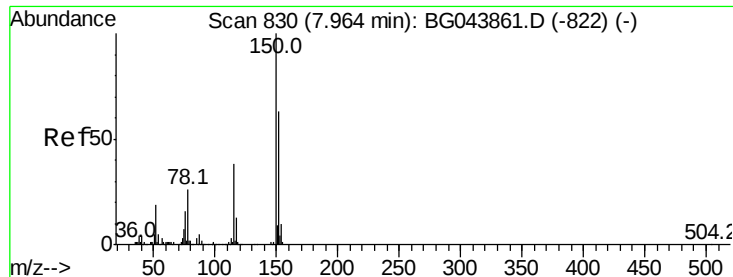
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043962.D
Acq On : 7 Jan 2020 20:12
Operator : JU
Sample : L1039-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 08 02:42:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration



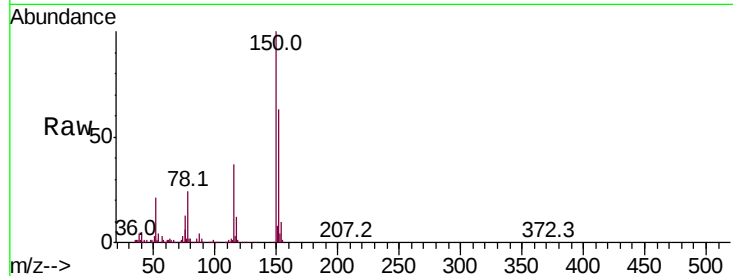


#1

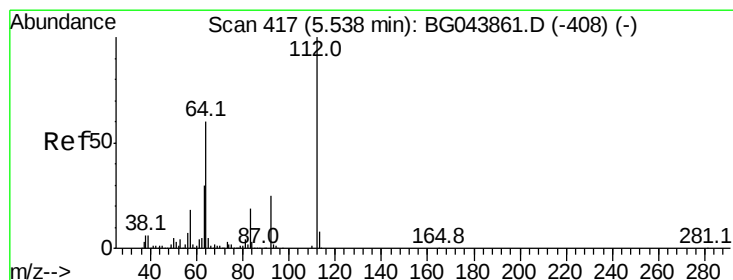
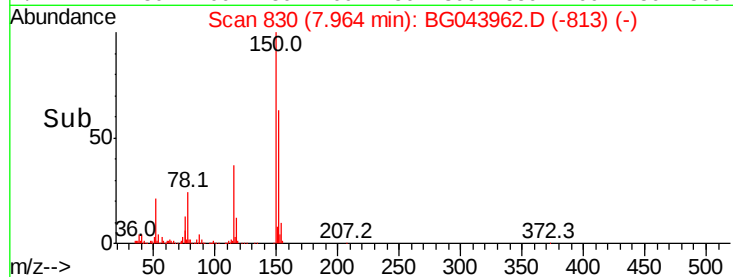
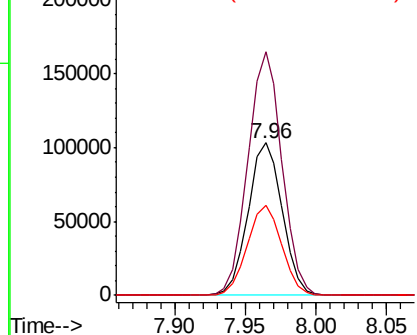
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.0	190.4
115	59.1	47.8	71.8



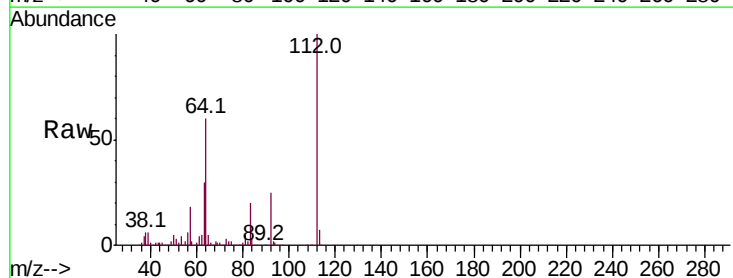
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



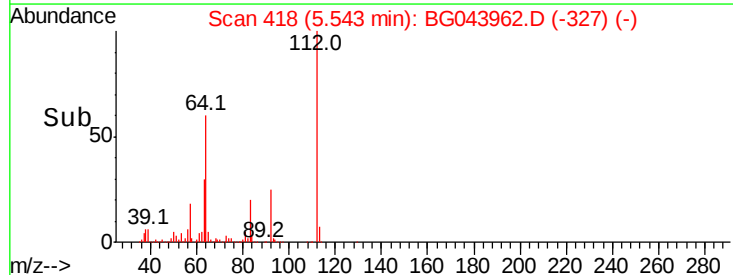
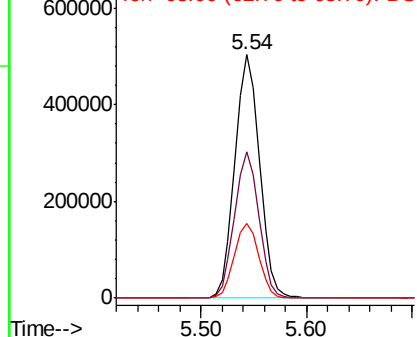
#5

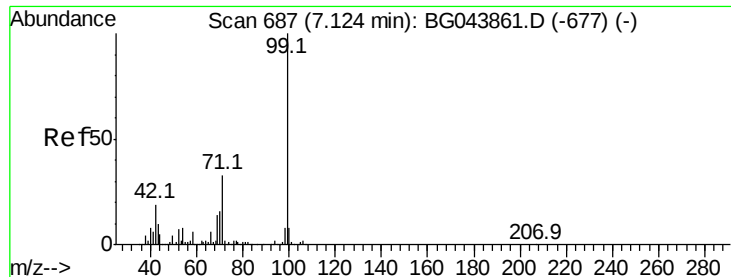
2-Fluorophenol
Concen: 85.053 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.8	71.6
63	30.4	24.3	36.5



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: 84.720 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

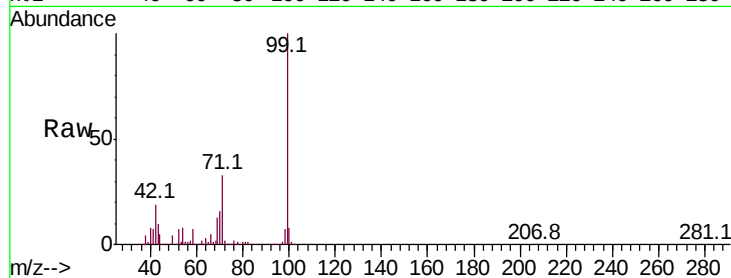
Tot Ion: 99 Resp: 1128435

Ion Ratio Lower Upper

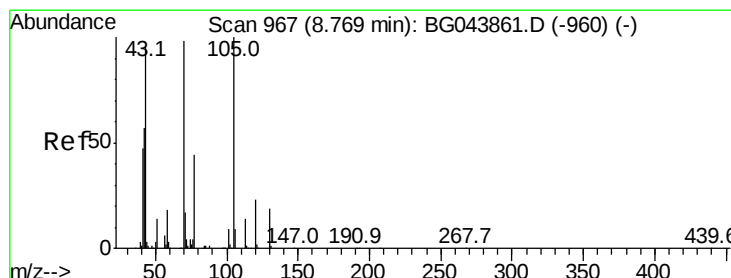
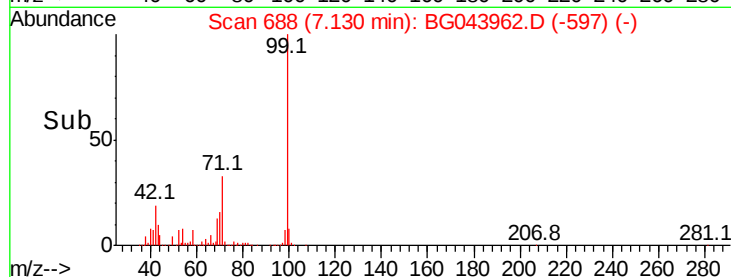
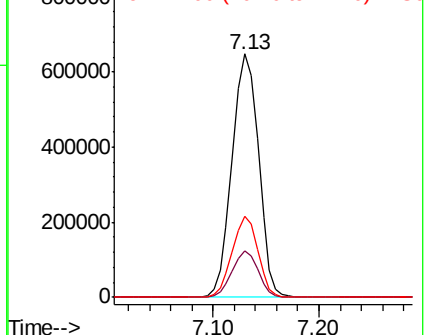
99 100

42 19.1 14.9 22.3

71 33.3 26.4 39.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.296 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Tgt Ion: 70 Resp: 92208

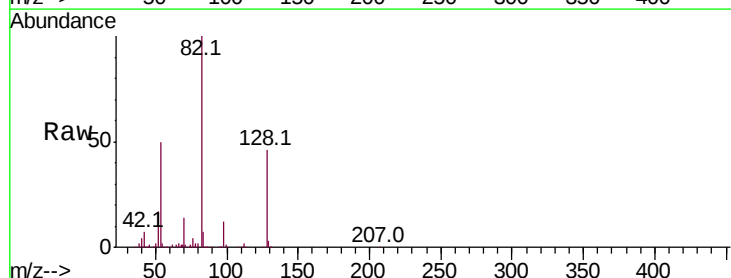
Ion Ratio Lower Upper

70 100

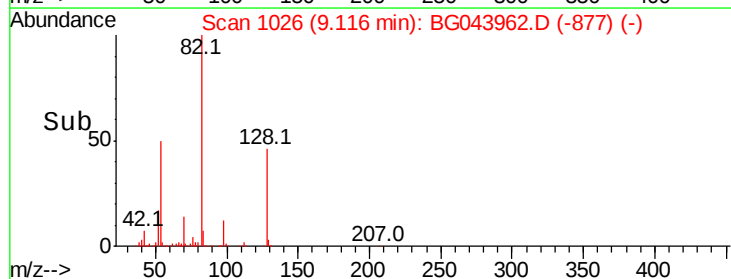
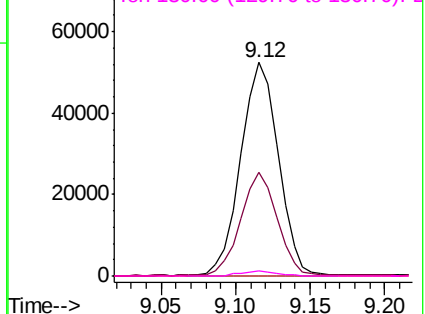
42 48.6 47.0 70.4

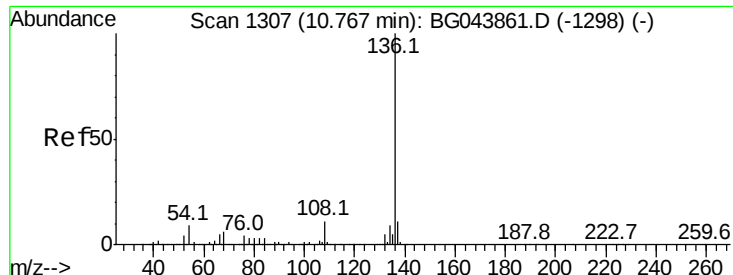
101 0.0 7.2 10.8#

130 2.7 15.6 23.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 731132

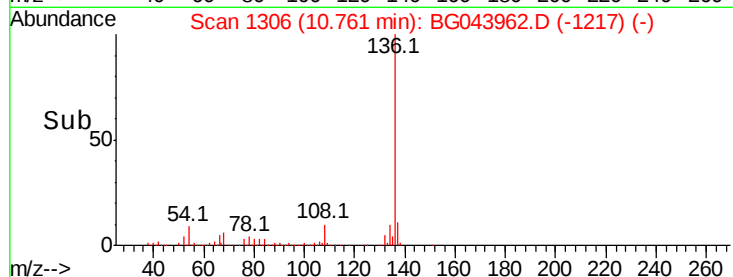
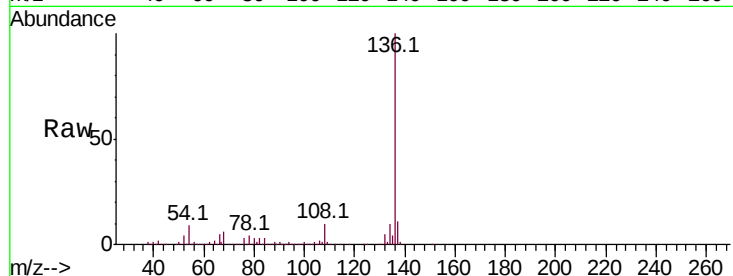
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 8.5 7.0 10.4

68 6.0 4.9 7.3

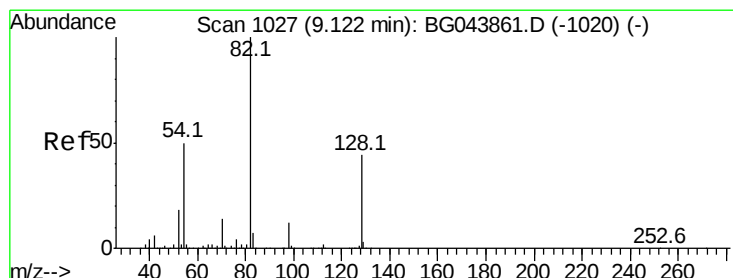
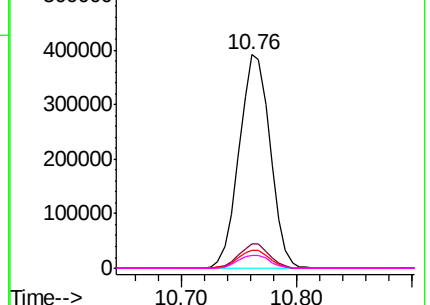


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 50.454 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

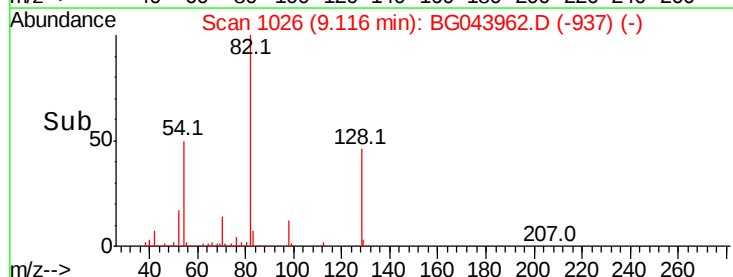
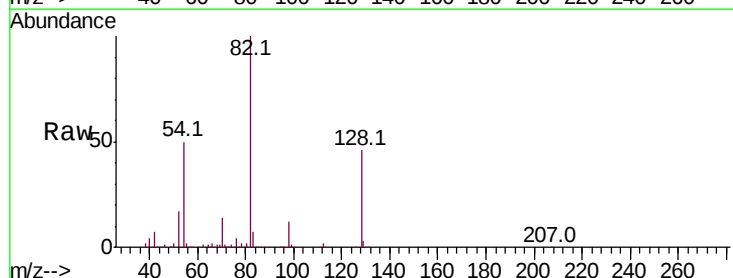
Tgt Ion: 82 Resp: 689556

Ion Ratio Lower Upper

82 100

128 45.9 35.1 52.7

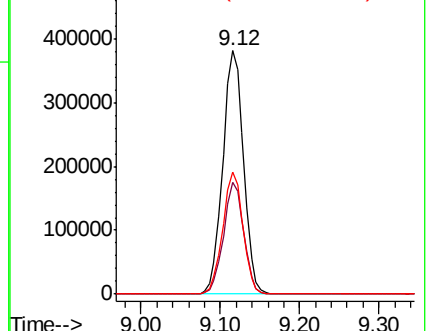
54 50.0 40.1 60.1

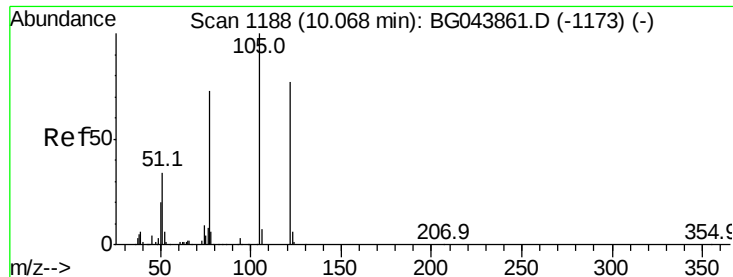


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

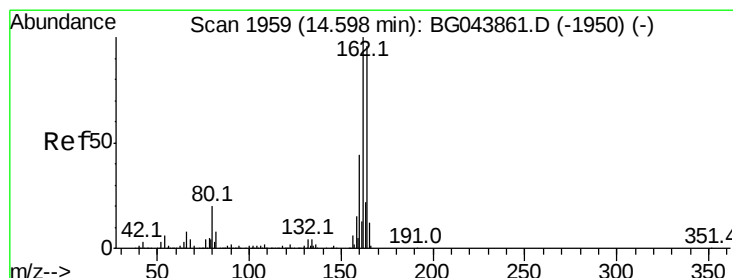
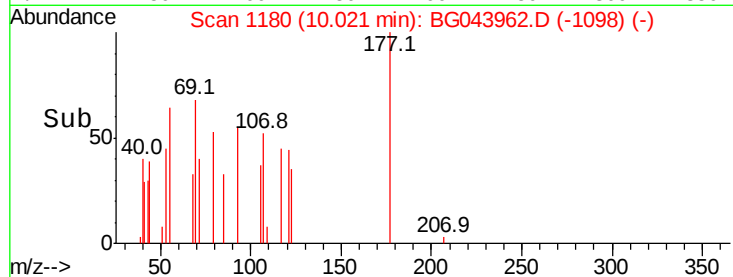
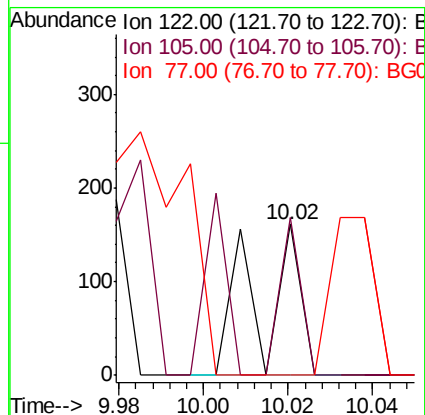
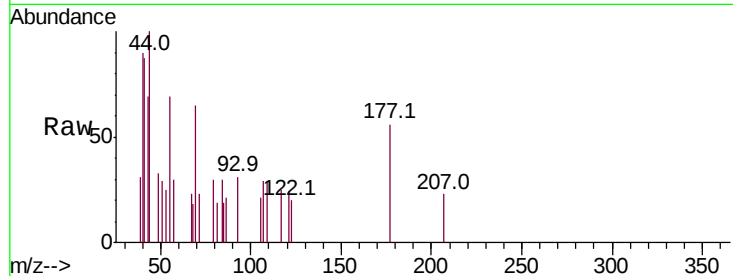




#32
Benzoic acid
Concen: 6.274 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

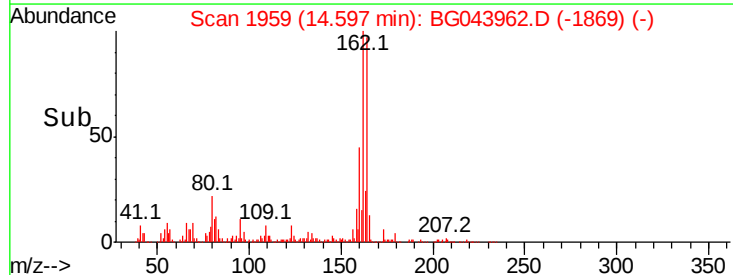
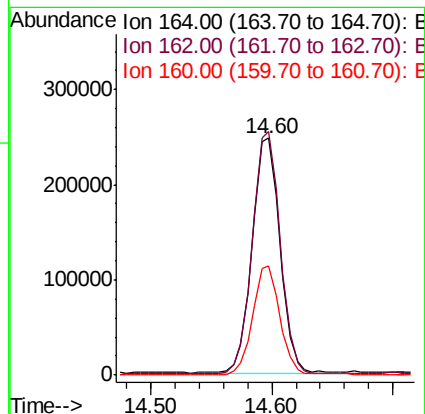
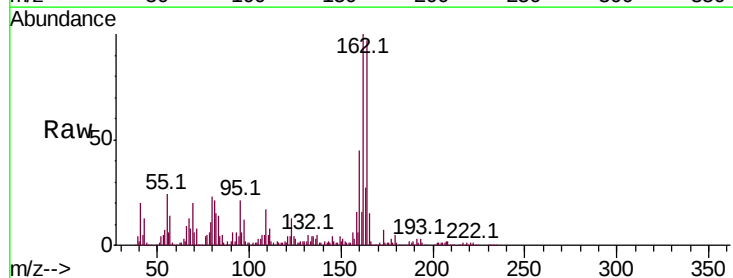
Instrument :
BNA_G
ClientSampleId :

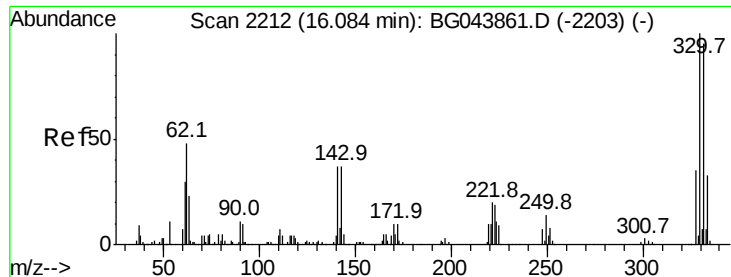
Tot Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 104.3 106.4 146.4#
77 0.0 74.6 114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion:164 Resp: 397288
Ion Ratio Lower Upper
164 100
162 102.7 83.0 124.4
160 45.9 36.1 54.1

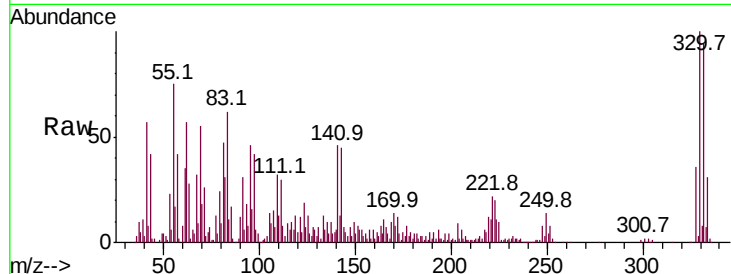




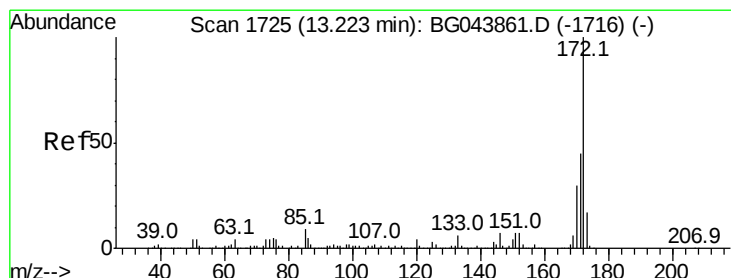
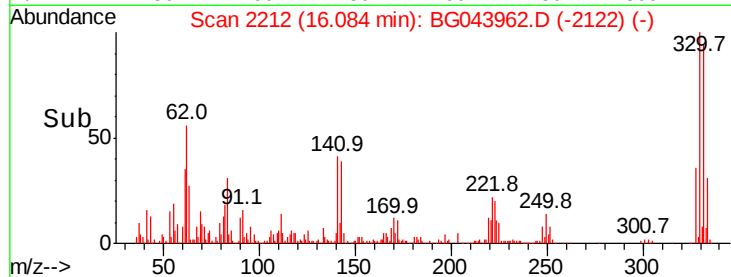
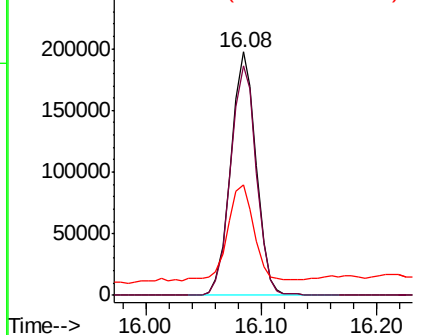
#42
 2,4,6-Tribromophenol
 Concen: 72.166 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: BG043962.D
 Acq: 7 Jan 2020 20:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	39.7	33.1	49.7

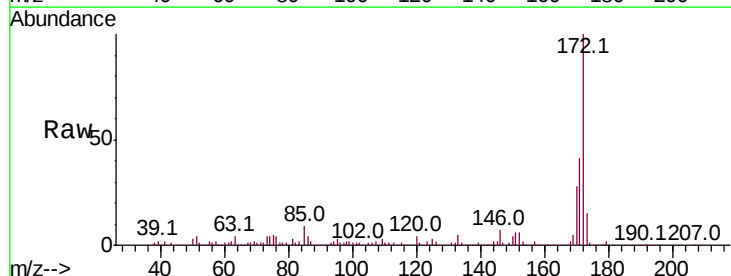


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

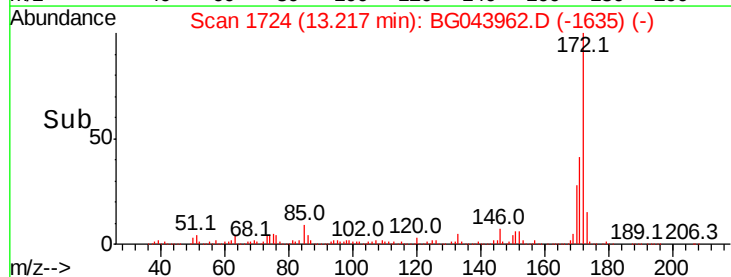
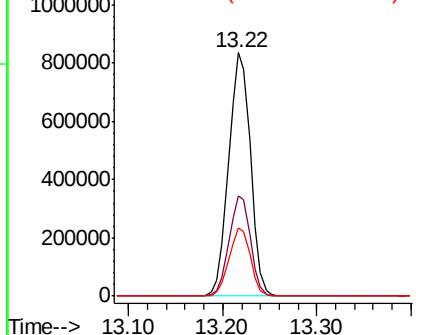


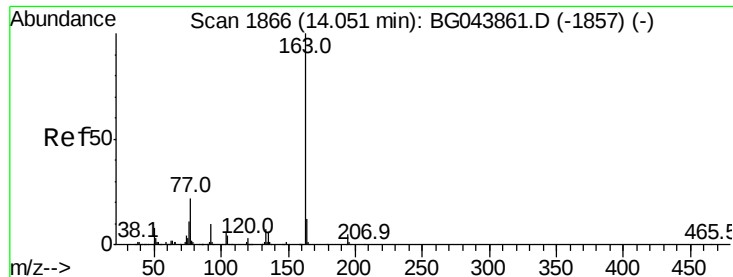
#45
 2-Fluorobiphenyl
 Concen: 61.358 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043962.D
 Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.1	35.8	53.8
170	28.1	24.2	36.4



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: 3.225 ng

RT: 14.05 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

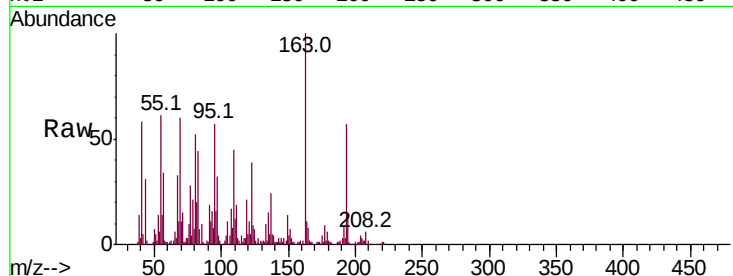
Tot Ion:163 Resp: 90970

Ion Ratio Lower Upper

163 100

194 14.1 3.7 5.5#

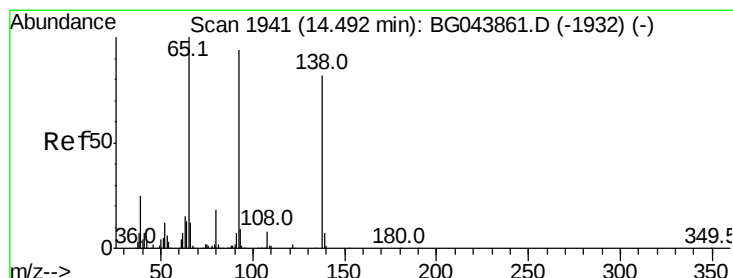
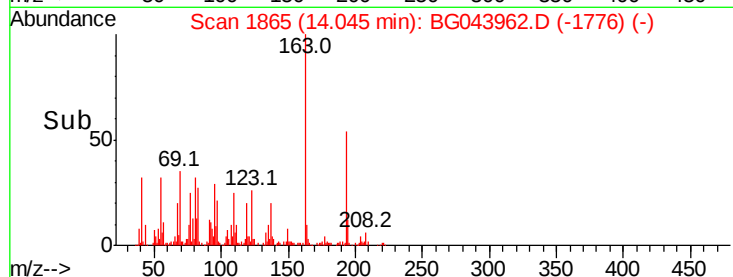
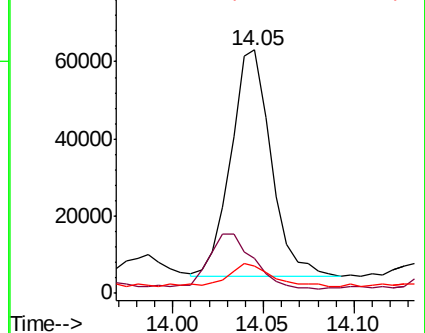
164 11.0 9.3 13.9



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



#53

3-Nitroaniline

Concen: 2.626 ng

RT: 14.51 min Scan# 1944

Delta R.T. 0.02 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

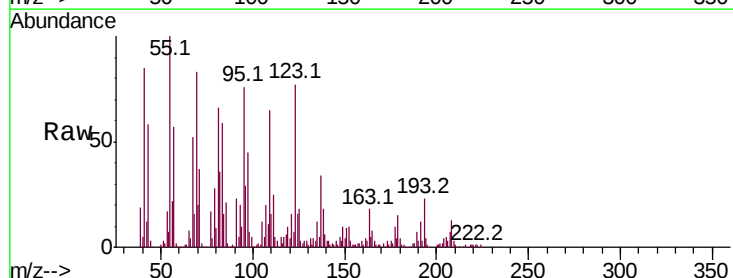
Tgt Ion:138 Resp: 19013

Ion Ratio Lower Upper

138 100

108 60.4 7.4 11.2#

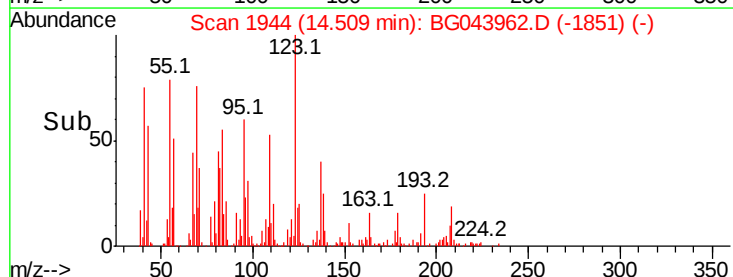
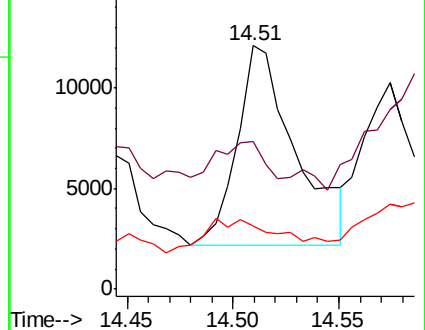
92 25.9 92.1 138.1#

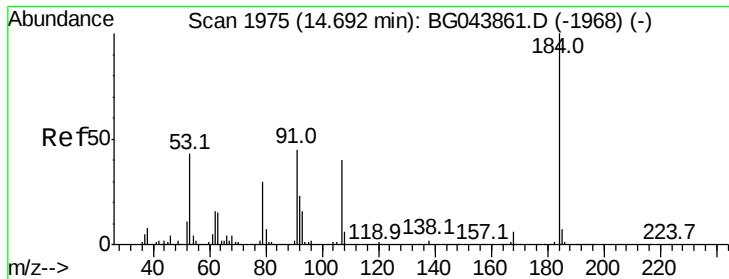


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

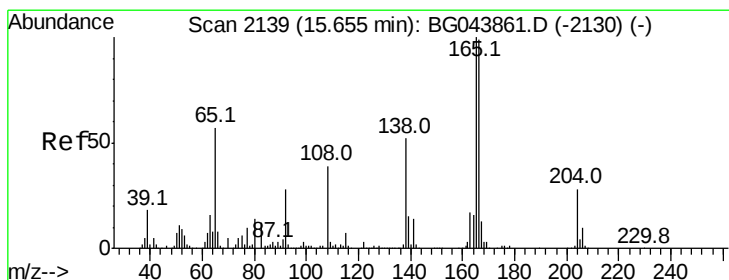
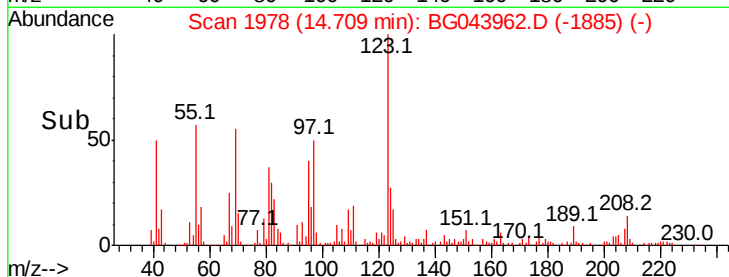
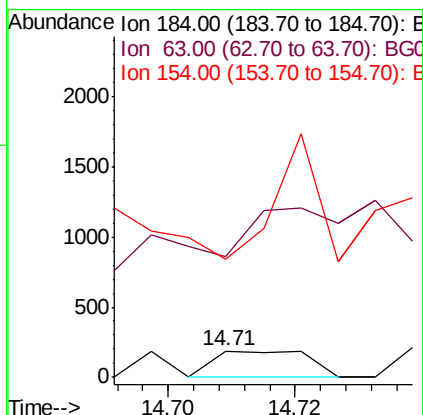
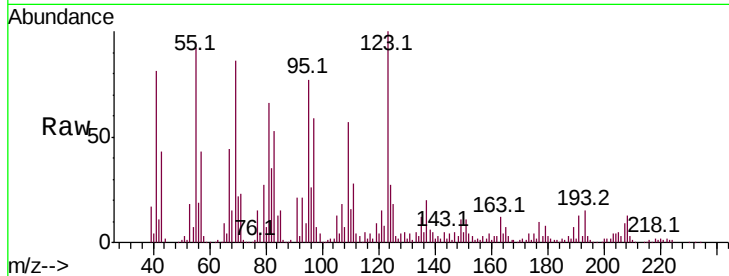




#54
2,4-Dinitrophenol
Concen: 5.539 ng
RT: 14.71 min Scan# 1978
Delta R.T. 0.02 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

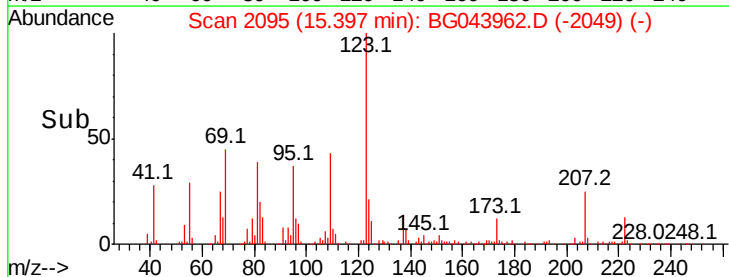
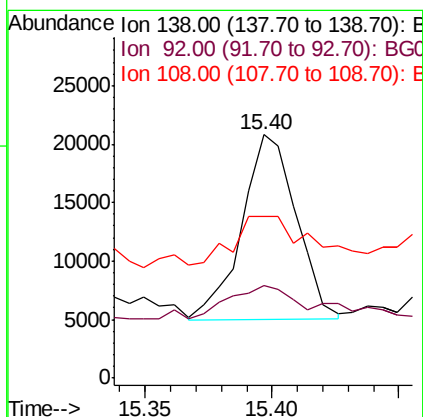
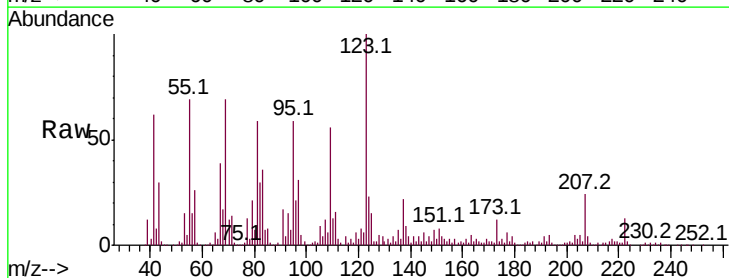
Instrument :
BNA_G
ClientSampleId :

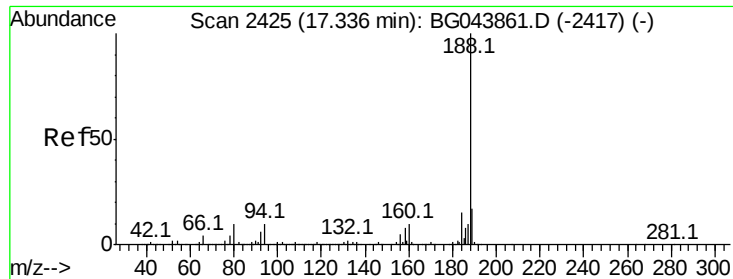
Tot Ion:184 Resp: 195
Ion Ratio Lower Upper
184 100
63 451.1 46.6 70.0#
154 445.3 50.2 75.4#



#62
4-Nitroaniline
Concen: 3.302 ng
RT: 15.40 min Scan# 2095
Delta R.T. -0.26 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion:138 Resp: 23611
Ion Ratio Lower Upper
138 100
92 38.1 34.3 74.3
108 66.2 55.0 95.0

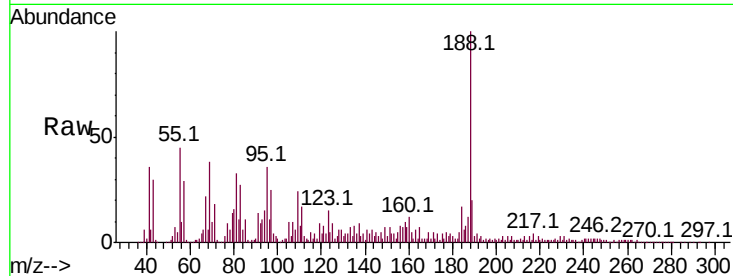




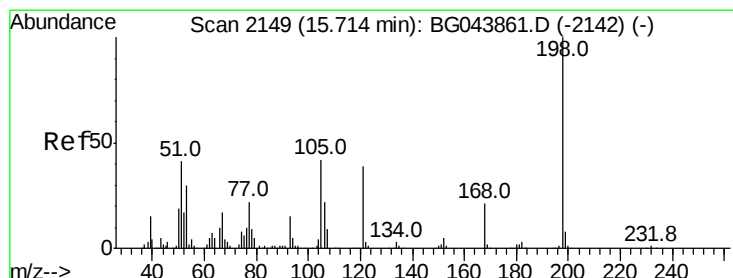
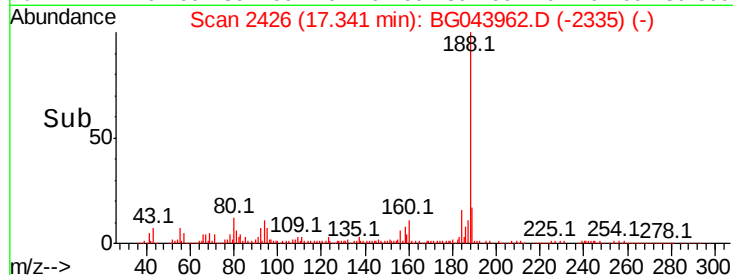
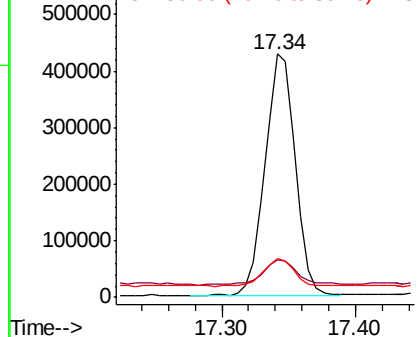
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 670106
Ion Ratio Lower Upper
188 100
94 15.5 7.9 11.9#
80 16.1 8.2 12.4#

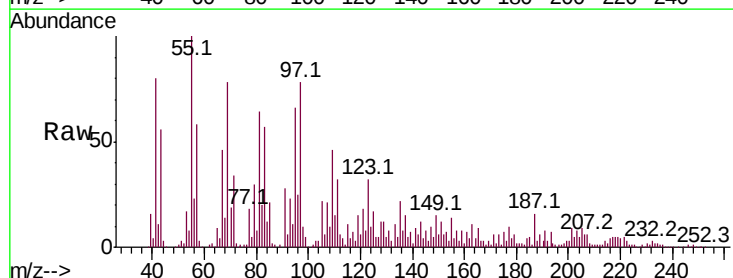


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

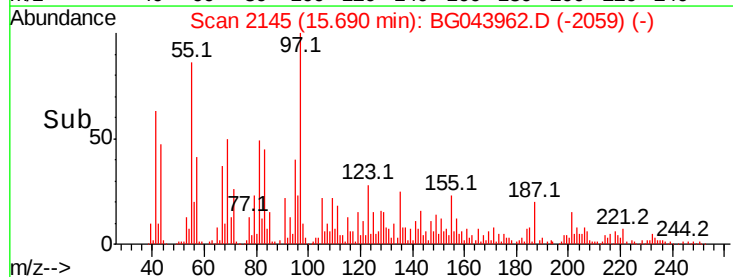
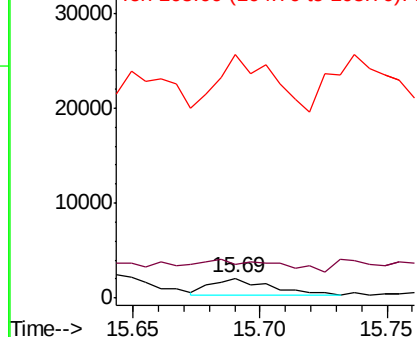


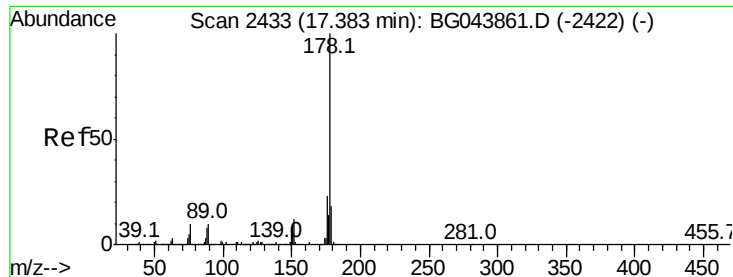
#65
4,6-Dinitro-2-methylphenol
Concen: 5.122 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.02 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion:198 Resp: 2781
Ion Ratio Lower Upper
198 100
51 166.6 22.5 62.5#
105 1219.8 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

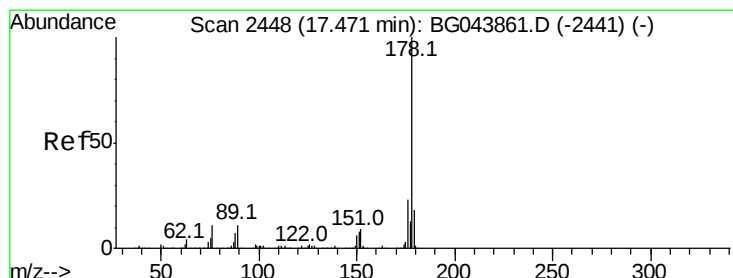
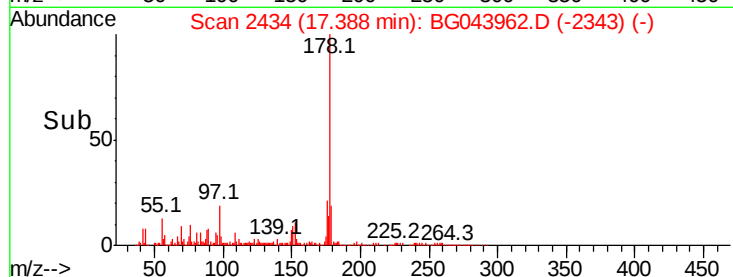
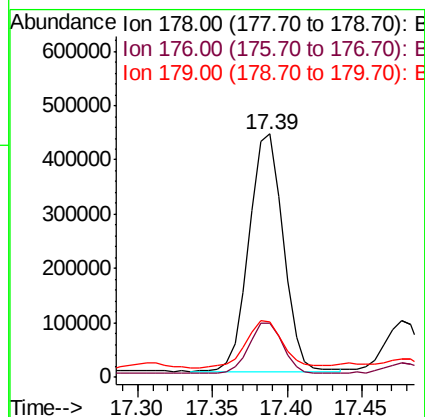
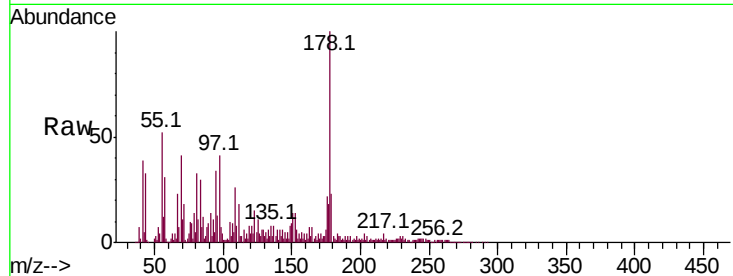




#71
Phenanthrene
Concen: 21.620 ng
RT: 17.39 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

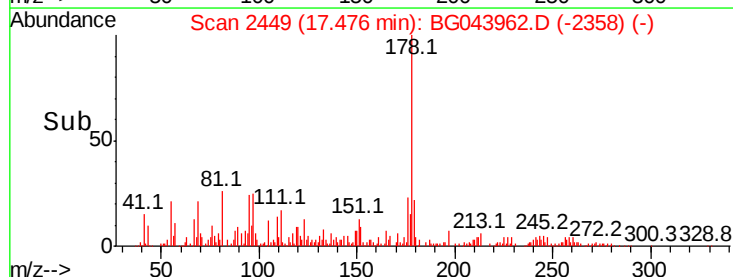
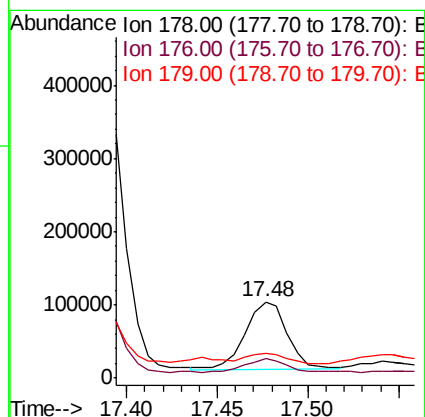
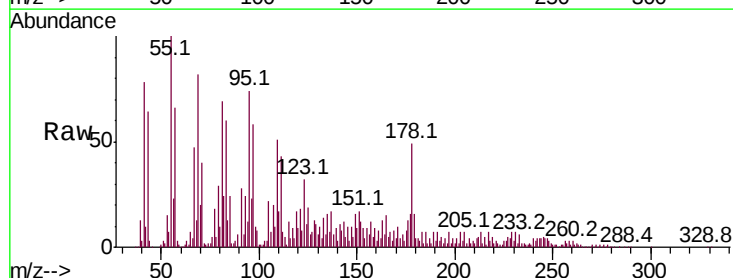
Instrument :
BNA_G
ClientSampleId :

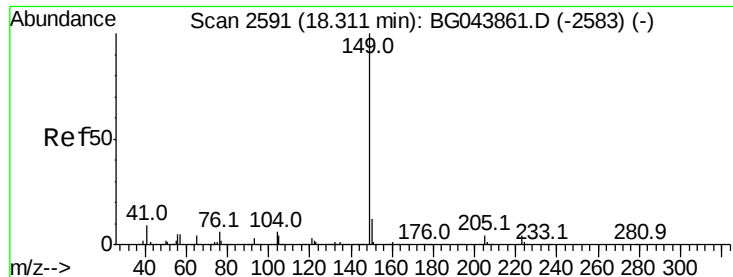
Tot Ion:178 Resp: 694903
Ion Ratio Lower Upper
178 100
176 22.1 18.6 28.0
179 22.7 14.4 21.6#



#72
Anthracene
Concen: 4.648 ng
RT: 17.48 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion:178 Resp: 147649
Ion Ratio Lower Upper
178 100
176 26.3 18.3 27.5
179 32.4 14.6 22.0#





#74

Di-n-butylphthalate

Concen: 2.219 ng

RT: 18.31 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

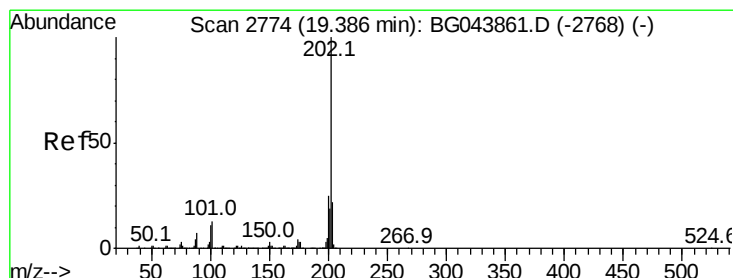
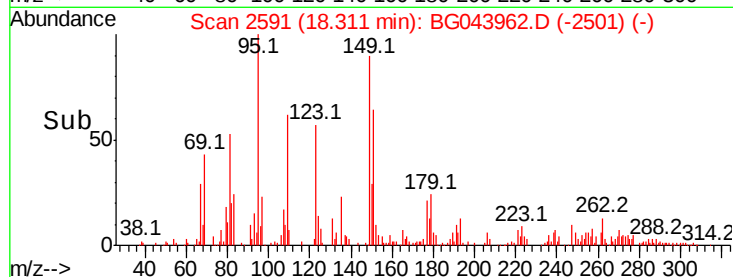
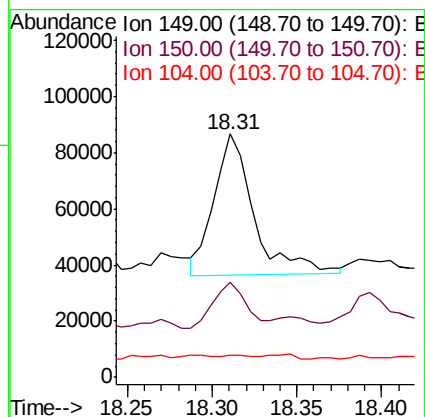
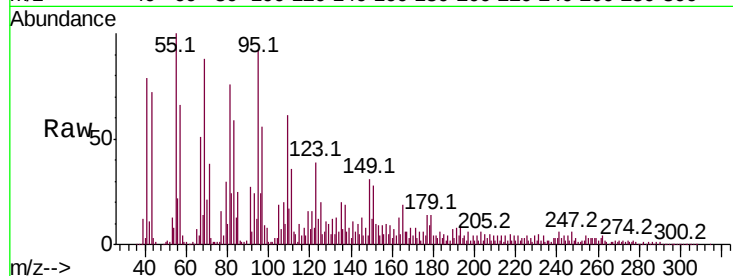
Tot Ion:149 Resp: 83133

Ion Ratio Lower Upper

149 100

150 38.8 9.7 14.5#

104 9.2 5.0 7.4#



#75

Fluoranthene

Concen: 18.885 ng

RT: 19.40 min Scan# 2776

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

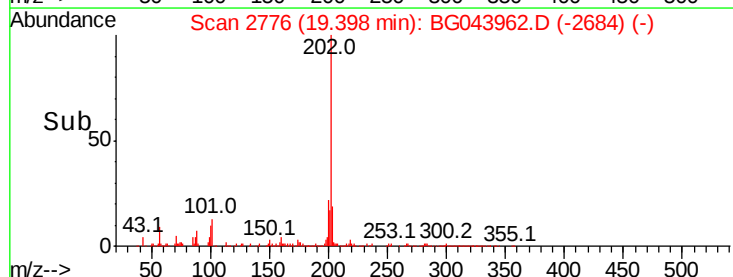
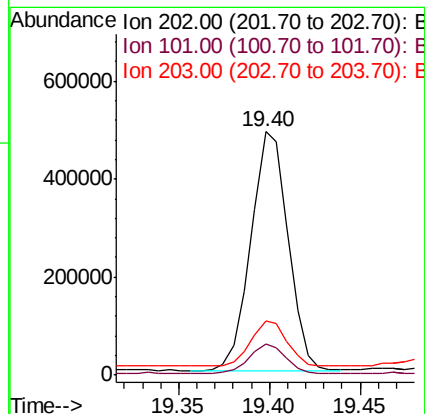
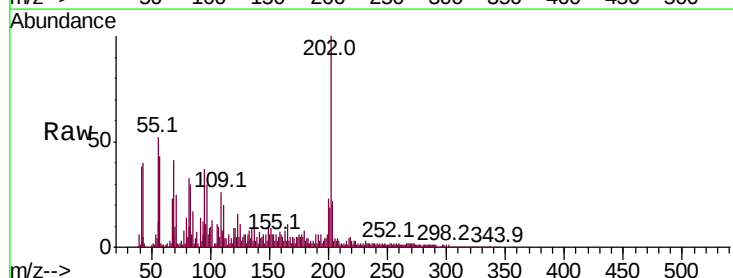
Tgt Ion:202 Resp: 694203

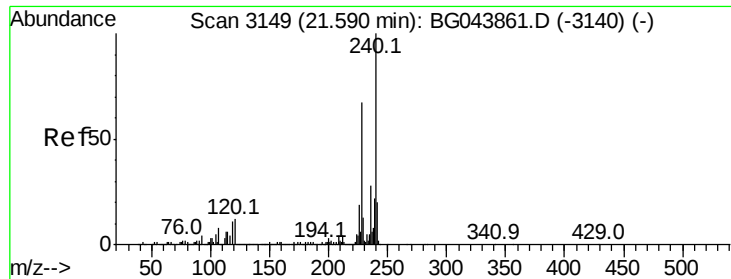
Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.3

203 22.3 1.6 41.6

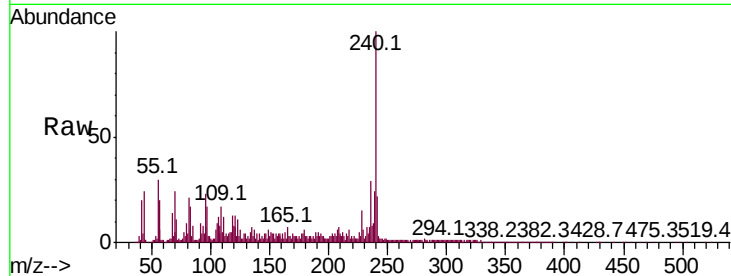




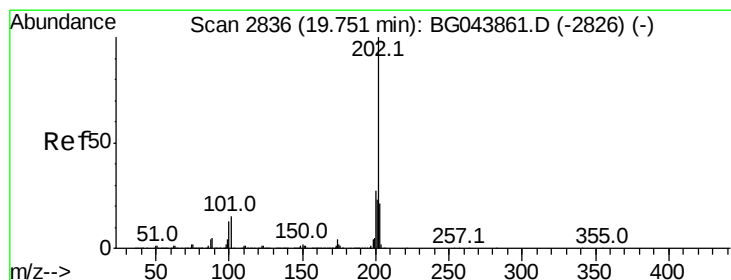
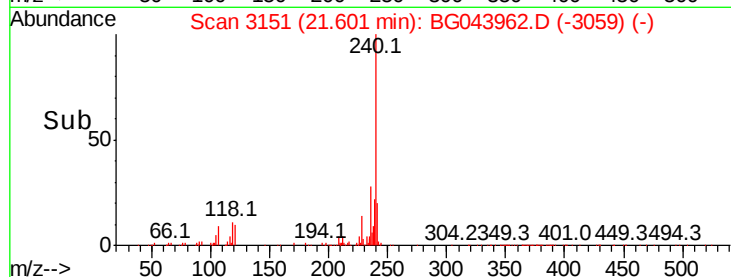
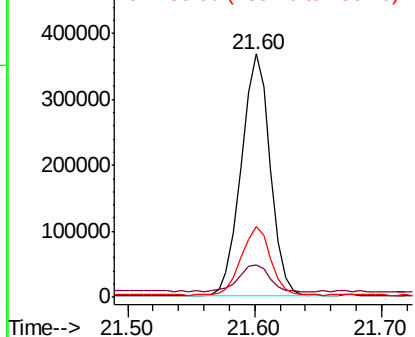
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:240 Resp: 577492
Ion Ratio Lower Upper
240 100
120 13.5 9.6 14.4
236 29.3 22.2 33.2

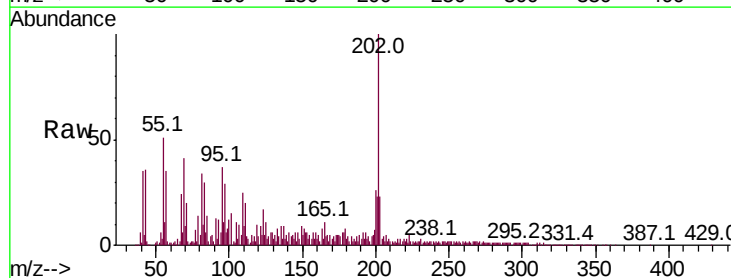


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

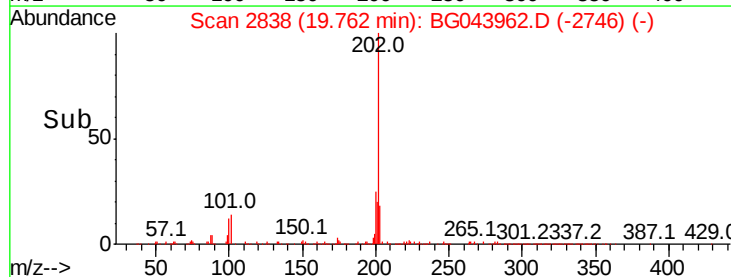
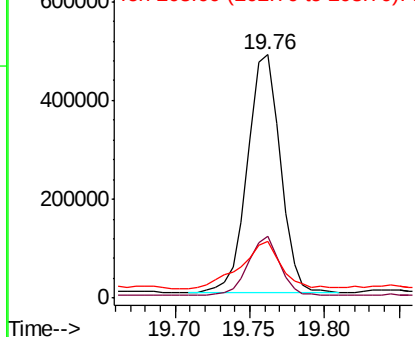


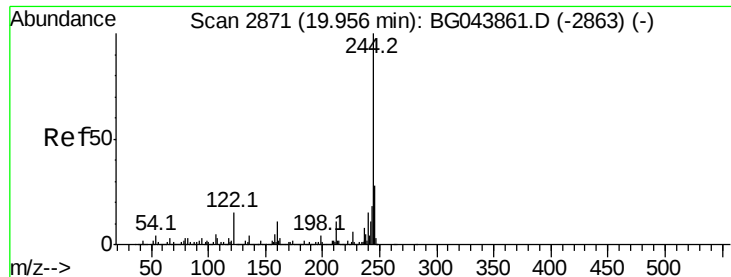
#78
Pyrene
Concen: 19.482 ng
RT: 19.76 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion:202 Resp: 734362
Ion Ratio Lower Upper
202 100
200 25.5 21.7 32.5
203 23.2 17.0 25.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.028 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampled :

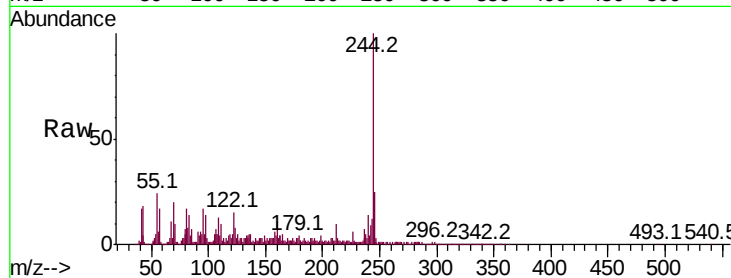
Tot Ion:244 Resp: 1383808

Ion Ratio Lower Upper

244 100

212 10.3 8.6 13.0

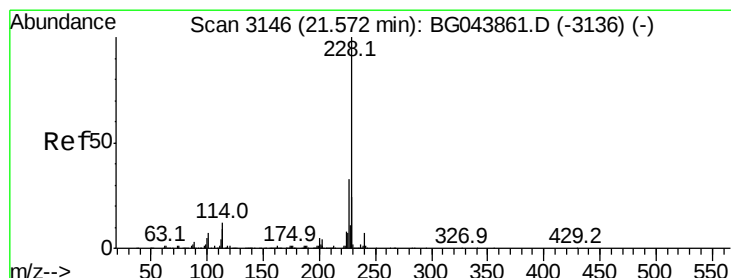
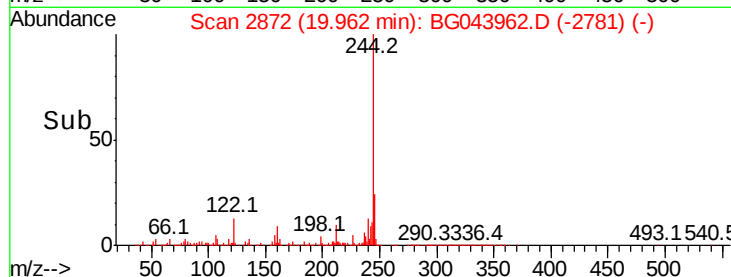
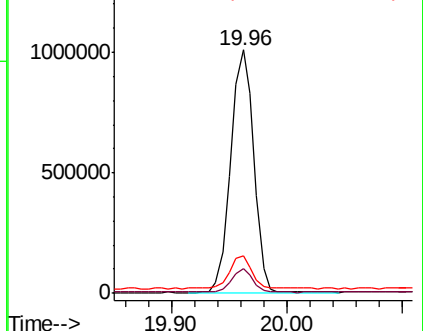
122 15.2 11.9 17.9



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



#81

Benzo(a)anthracene

Concen: 10.058 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

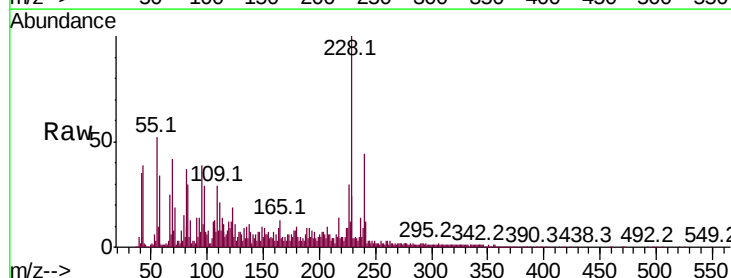
Tgt Ion:228 Resp: 360156

Ion Ratio Lower Upper

228 100

226 29.8 26.2 39.4

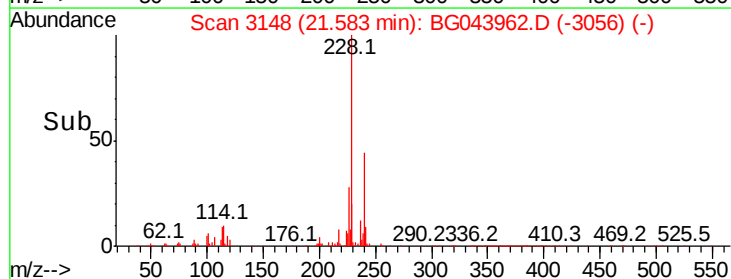
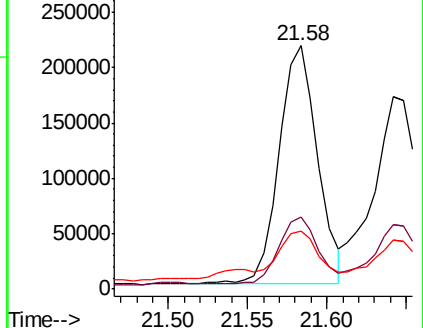
229 24.0 18.9 28.3

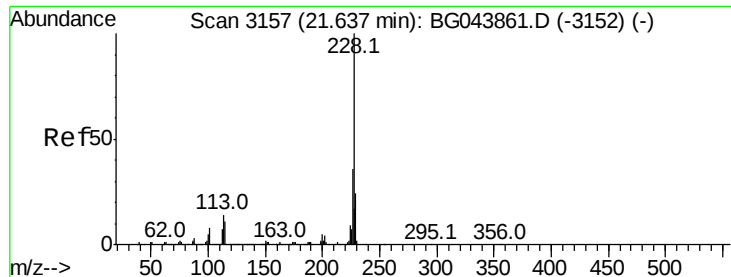


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.030 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

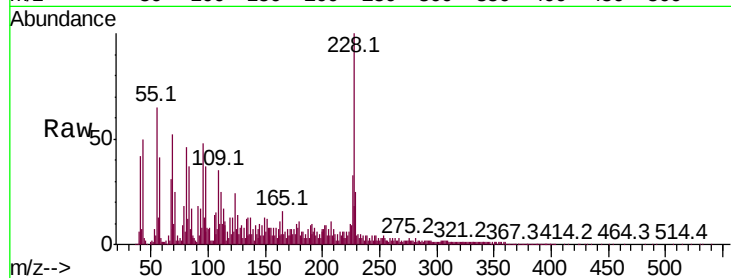
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 307231

Ion	Ratio	Lower	Upper
228	100		
226	33.2	28.8	43.2
229	25.3	19.0	28.6

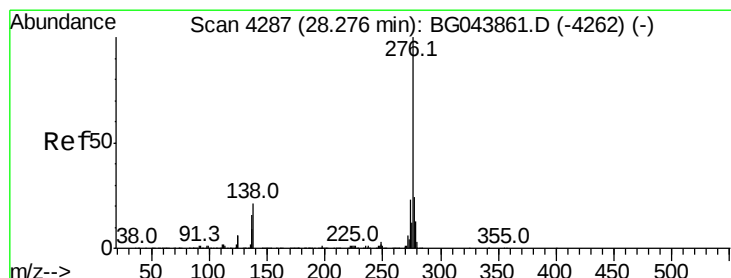
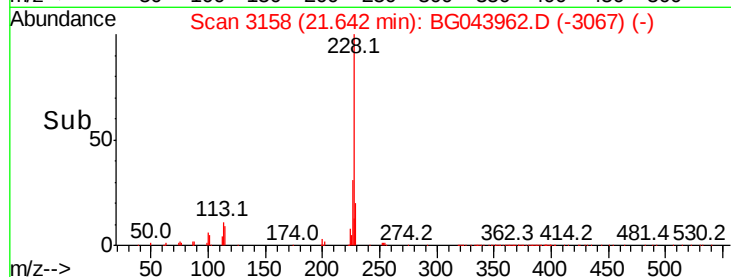
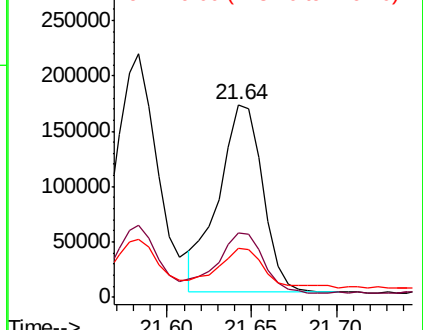


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.194 ng

RT: 28.28 min Scan# 4287

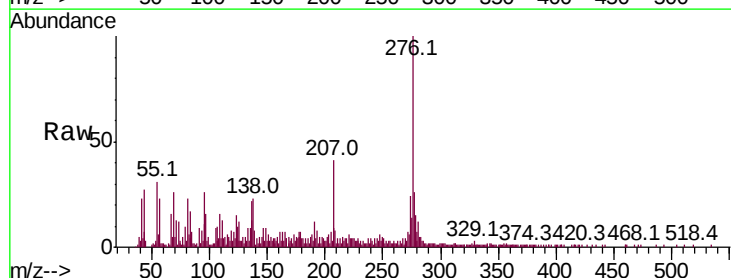
Delta R.T. -0.00 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Tgt Ion:276 Resp: 147688

Ion	Ratio	Lower	Upper
276	100		
138	14.2	21.0	31.4#
277	21.5	21.1	31.7

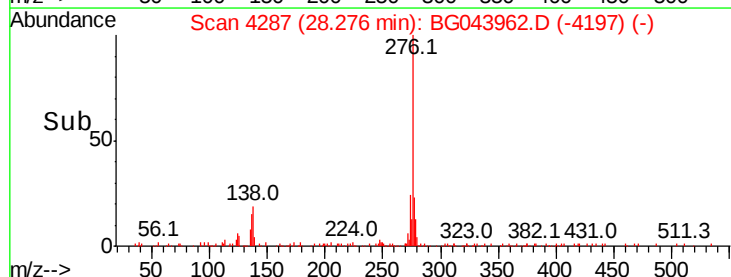
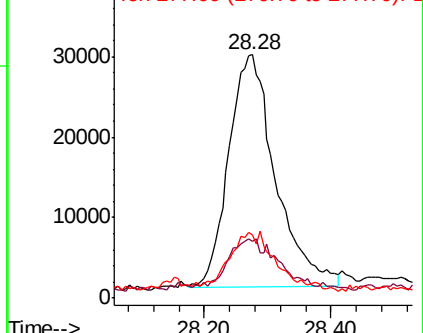


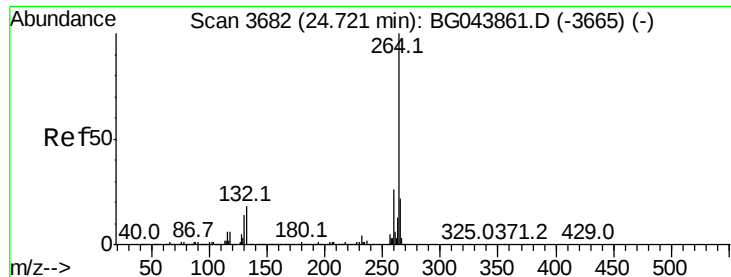
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

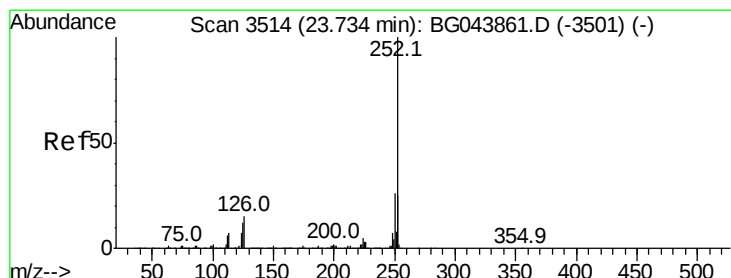
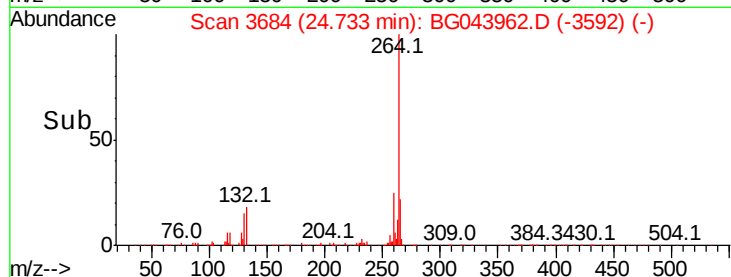
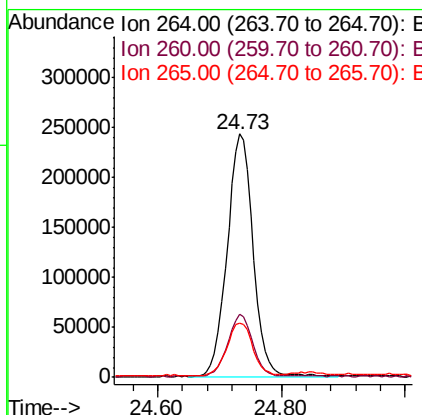
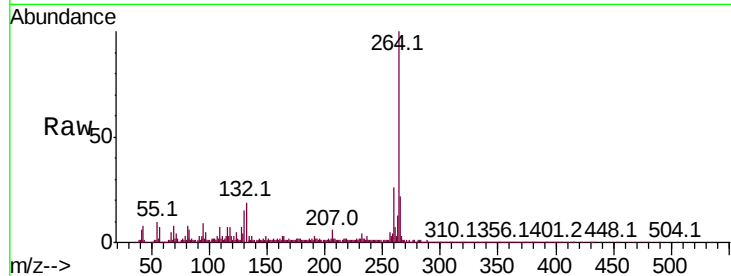




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.73 min Scan# 3684
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

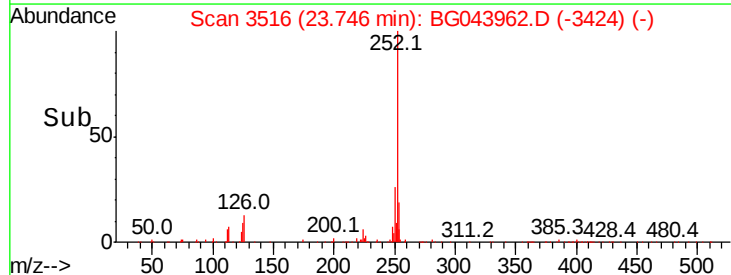
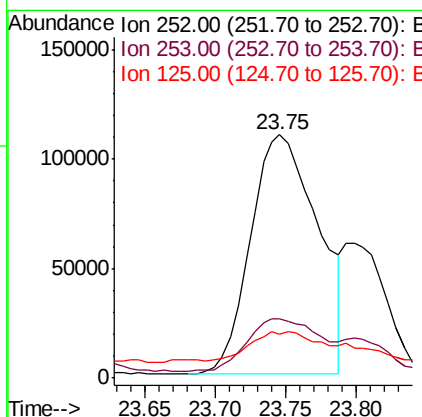
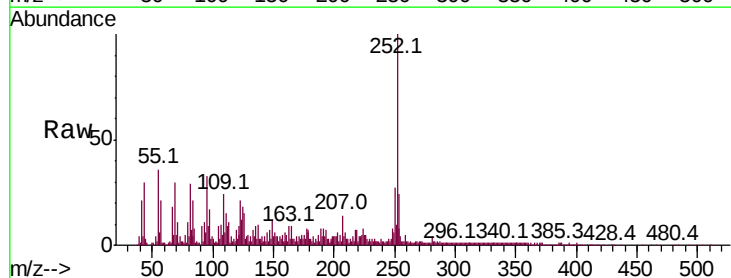
Instrument :
BNA_G
ClientSampleId :

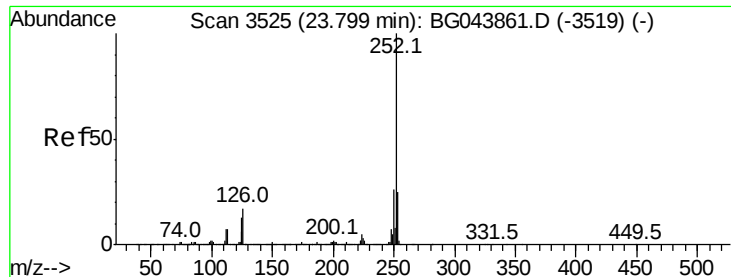
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	22.3	17.4	26.2



#88
Benzo(b)fluoranthene
Concen: 8.758 ng
RT: 23.75 min Scan# 3516
Delta R.T. 0.01 min
Lab File: BG043962.D
Acq: 7 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.7	29.5
125	18.2	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 9.210 ng

RT: 23.75 min Scan# 3516

Delta R.T. -0.05 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

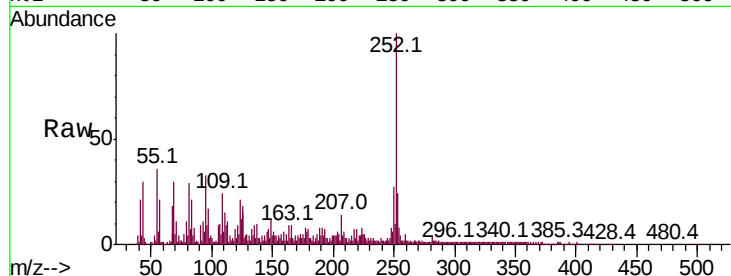
Tot Ion:252 Resp: 365720

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.2

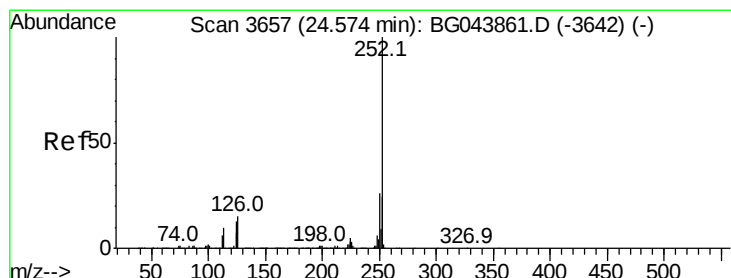
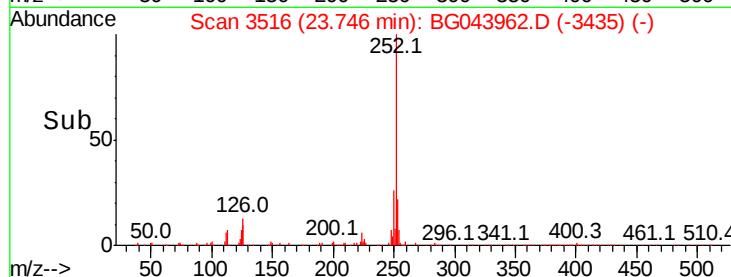
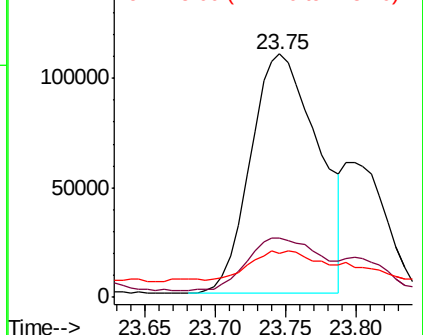
125 18.2 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 6.869 ng

RT: 24.59 min Scan# 3659

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

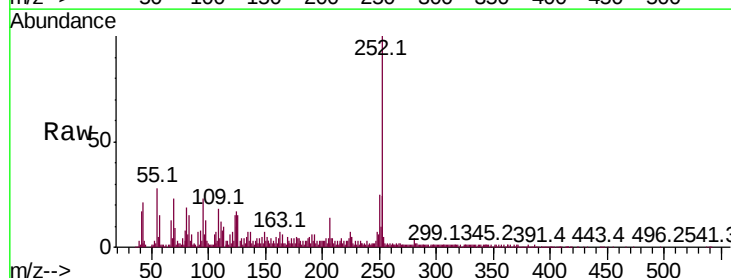
Tgt Ion:252 Resp: 270718

Ion Ratio Lower Upper

252 100

253 23.9 19.3 28.9

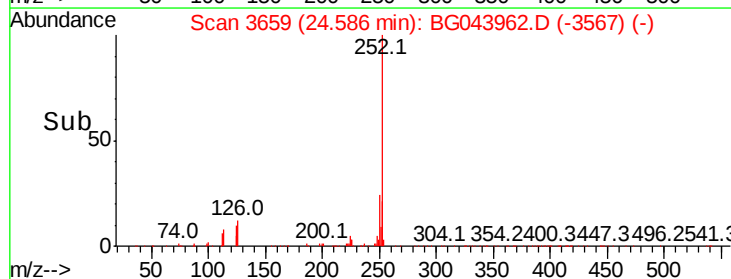
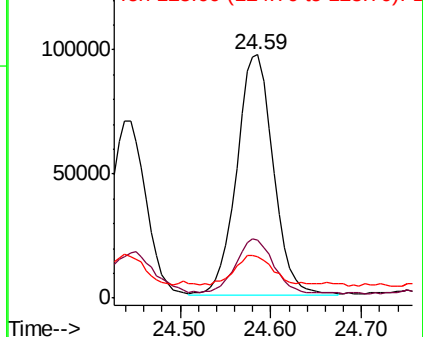
125 17.2 10.4 15.6#

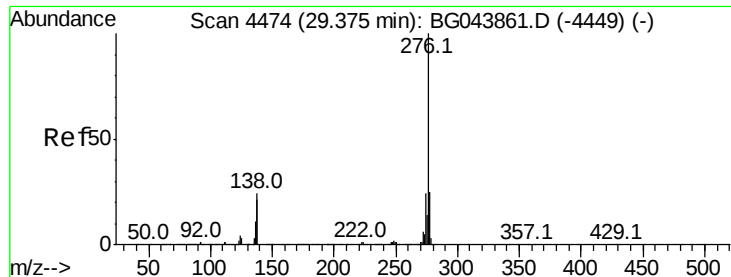


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.590 ng

RT: 29.38 min Scan# 4475

Delta R.T. 0.01 min

Lab File: BG043962.D

Acq: 7 Jan 2020 20:12

Instrument :

BNA_G

ClientSampleId :

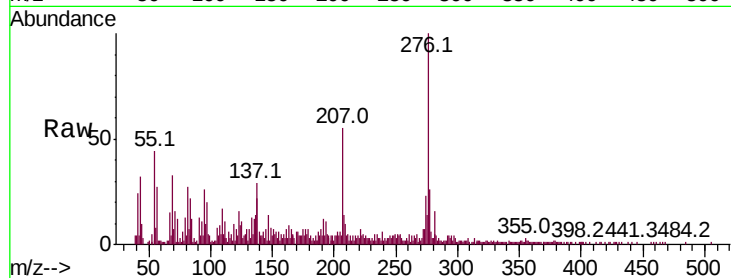
Tot Ion:276 Resp: 141157

Ion Ratio Lower Upper

276 100

277 26.3 20.2 30.4

138 22.0 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

