

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044047.D
 Acq On : 14 Jan 2020 22:03
 Operator : JU
 Sample : L1004-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 23:52:14 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	7.95	152	156794	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	649581	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	381065	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	725779	20.00	ng	0.00
76) Chrysene-d12	21.59	240	593309	20.00	ng	0.00
87) Perylene-d12	24.78	264	701171	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	459320	53.79	ng	0.00
7) Phenol-d6	7.12	99	639131	53.54	ng	0.00
23) Nitrobenzene-d5	9.10	82	371924	30.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	186923	46.87	ng	-0.01
45) 2-Fluorobiphenyl	13.20	172	741587	35.26	ng	-0.02
79) Terphenyl-d14	19.94	244	875586	26.76	ng	-0.01

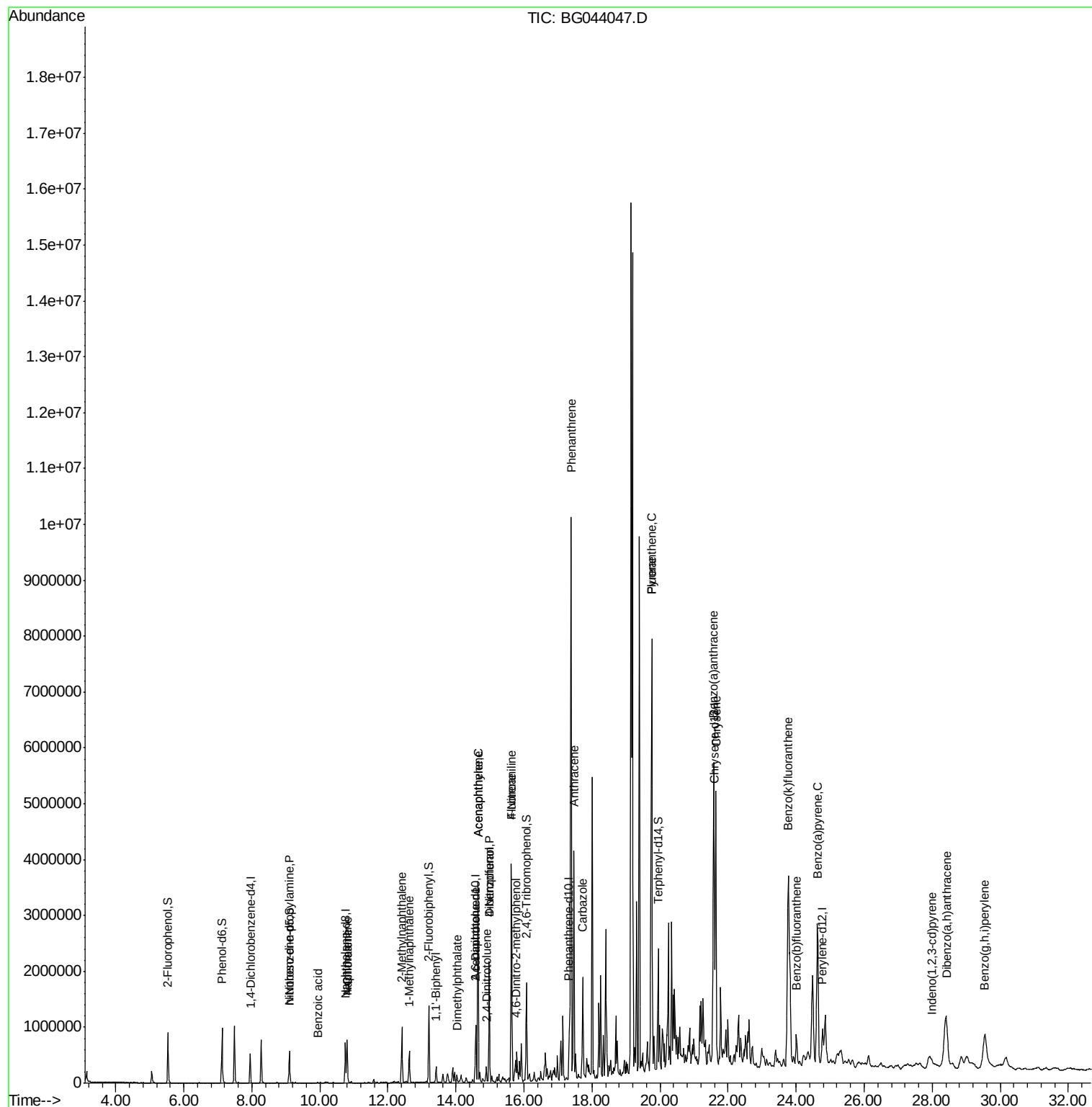
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.10	70	46601	5.242	ng	# 79
31) Naphthalene	10.80	128	665210	21.162	ng	98
32) Benzoic acid	9.94	122	2923	6.626	ng	# 12
33) 4-Chloroaniline	10.80	127	92605	6.177	ng	# 37
37) 2-Methylnaphthalene	12.41	142	512005	21.635	ng	96
38) 1-Methylnaphthalene	12.63	142	277980	12.394	ng	100
46) 1,1'-Biphenyl	13.41	154	127479	4.666	ng	97
49) Acenaphthylene	14.65	152	769164	24.239	ng	# 1
50) Dimethylphthalate	14.03	163	87098	3.219	ng	97
51) 2,6-Dinitrotoluene	14.58	165	68639	11.224	ng	# 27
52) Acenaphthene	14.65	154	1358007	61.025	ng	97
55) Dibenzofuran	14.98	168	1405724	45.887	ng	98
56) 4-Nitrophenol	14.98	139	557197	104.701	ng	# 10
57) 2,4-Dinitrotoluene	14.89	165	17995	2.162	ng	# 51
58) Fluorene	15.63	166	1824081	75.124	ng	99
62) 4-Nitroaniline	15.63	138	24574	3.583	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.78	198	63	4.405	ng	# 1
71) Phenanthrene	17.39	178	5072103	145.700	ng	# 44
72) Anthracene	17.47	178	2491868	72.429	ng	# 91
73) Carbazole	17.73	167	1206386	37.961	ng	99
75) Fluoranthene	19.75	202	4562432	114.598	ng	61
78) Pyrene	19.75	202	4562432	117.808	ng	# 61
81) Benzo(a)anthracene	21.57	228	3253329	88.431	ng	# 87
83) Chrysene	21.64	228	3025111	86.538	ng	# 86
86) Indeno(1,2,3-cd)pyrene	27.98	276	389288	8.194	ng	94
88) Benzo(b)fluoranthene	24.01	252	603918	14.569	ng	93
89) Benzo(k)fluoranthene	23.77	252	4509919	114.414	ng	92
90) Benzo(a)pyrene	24.63	252	3158607	80.735	ng	94
91) Dibenzo(a,h)anthracene	28.43	278	459155	11.686	ng	97
92) Benzo(g,h,i)perylene	29.55	276	1838204	47.099	ng	99

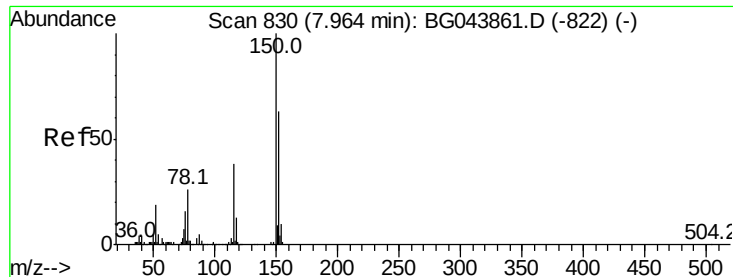
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
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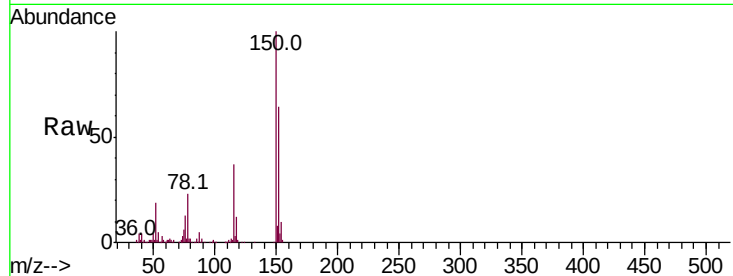


#1

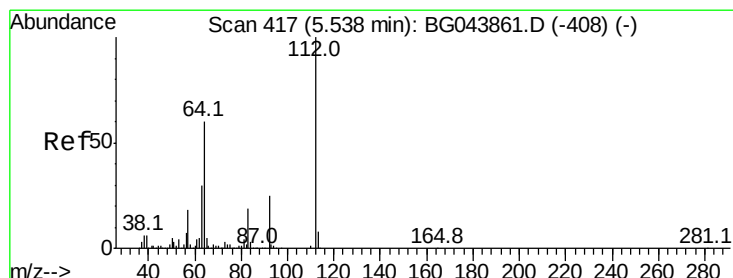
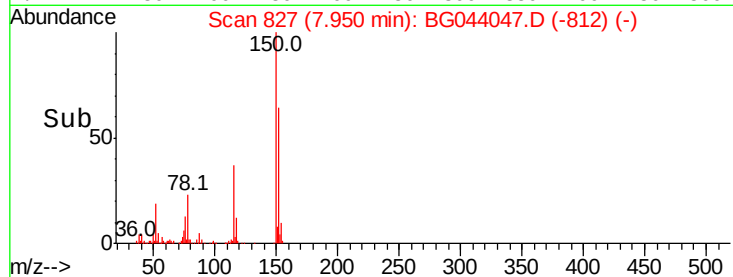
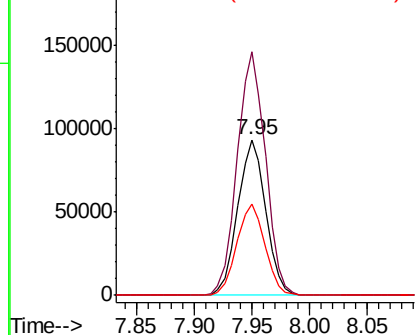
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.0	190.4
115	58.6	47.8	71.8



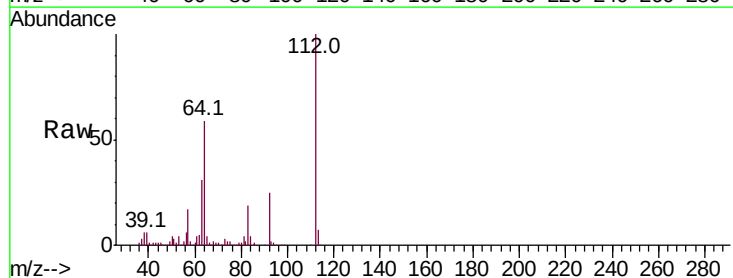
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



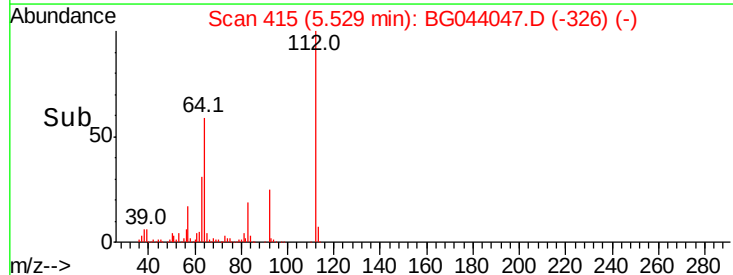
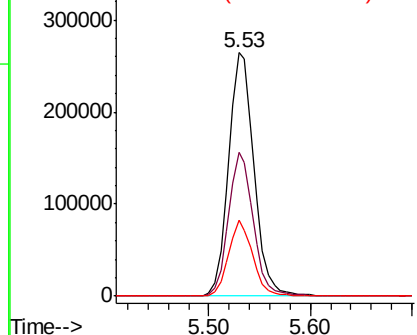
#5

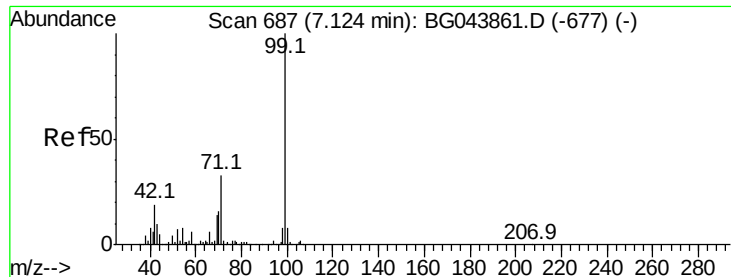
2-Fluorophenol
Concen: 53.788 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.8	71.6
63	30.9	24.3	36.5



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: 53.544 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampled :

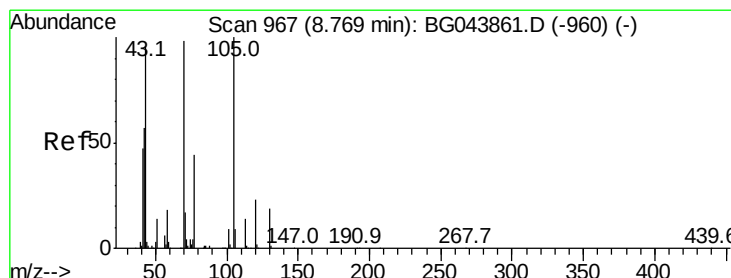
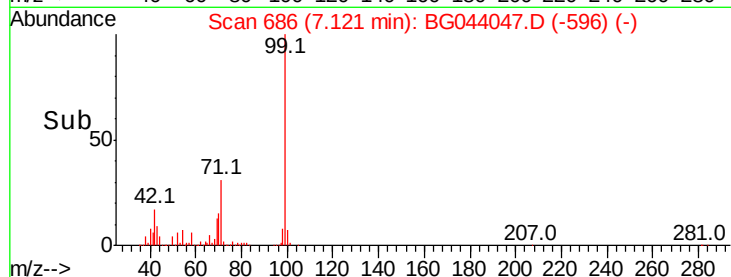
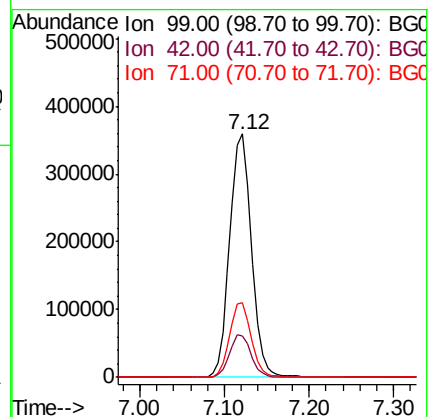
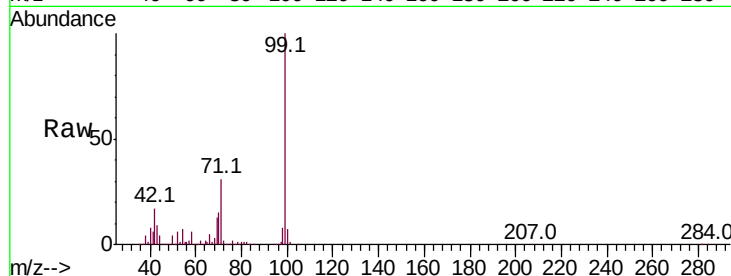
Tot Ion: 99 Resp: 639131

Ion Ratio Lower Upper

99 100

42 17.0 14.9 22.3

71 30.9 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.242 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Tgt Ion: 70 Resp: 46601

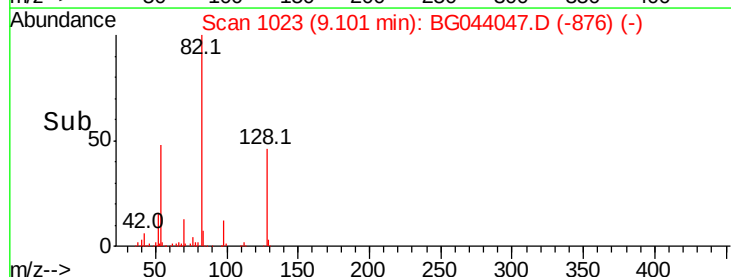
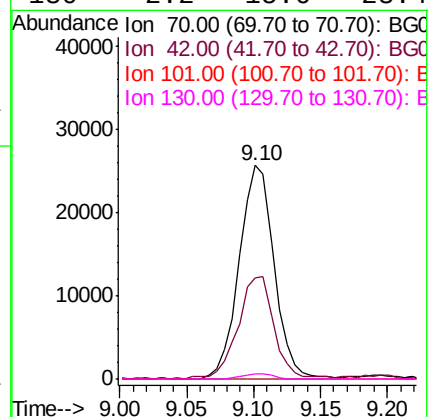
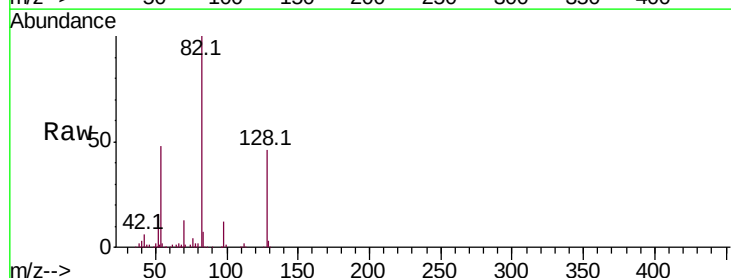
Ion Ratio Lower Upper

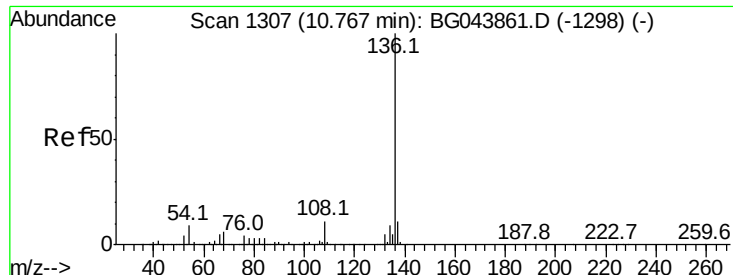
70 100

42 47.4 47.0 70.4

101 0.0 7.2 10.8#

130 2.2 15.6 23.4#

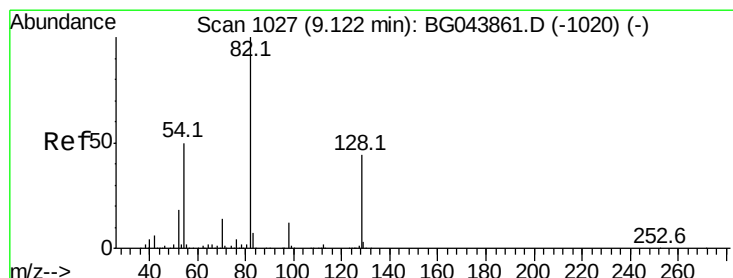
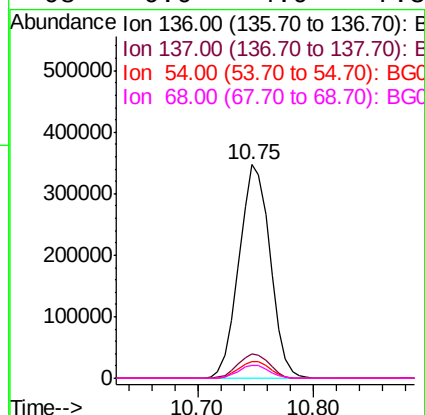
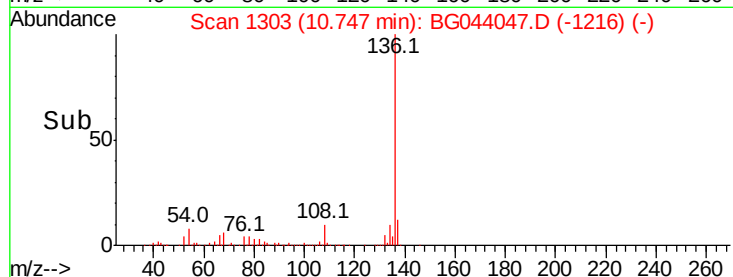
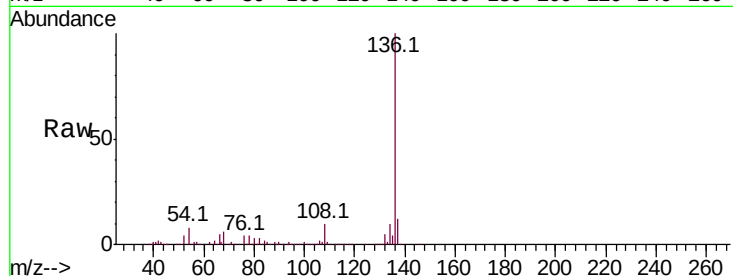




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

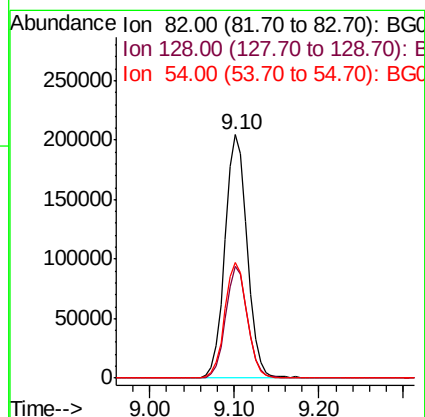
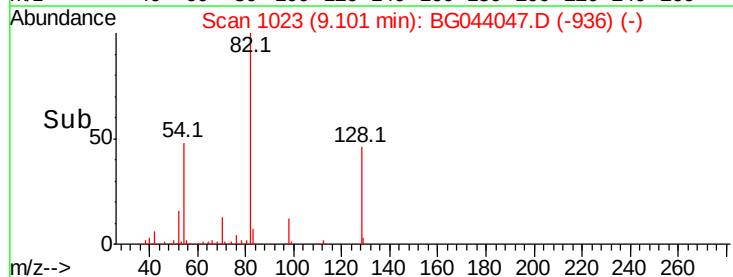
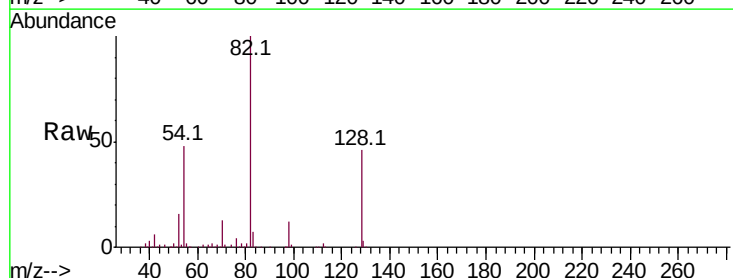
Instrument :
BNA_G
ClientSampleId :

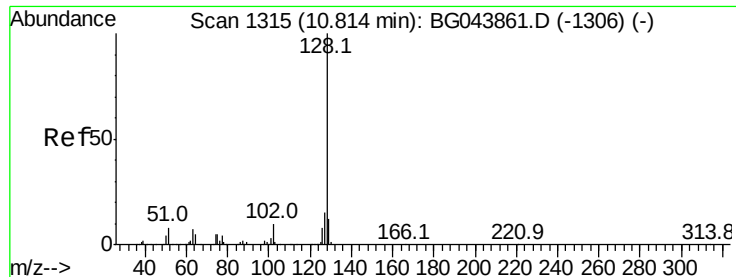
Tot Ion:	136	Resp:	649581
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.8	13.2
54	8.1	7.0	10.4
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 30.630 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion:	82	Resp:	371924
Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.1	52.7
54	47.6	40.1	60.1

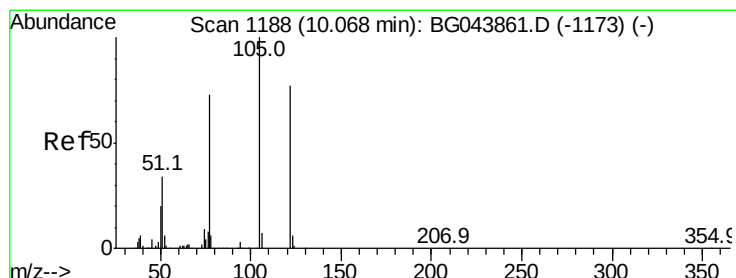
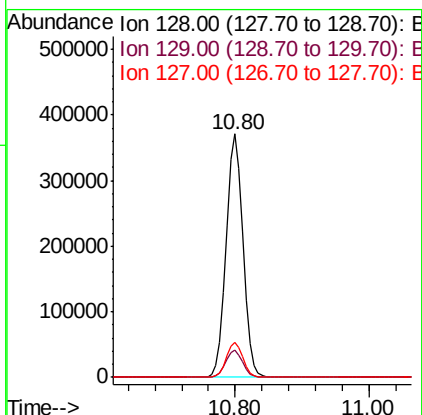
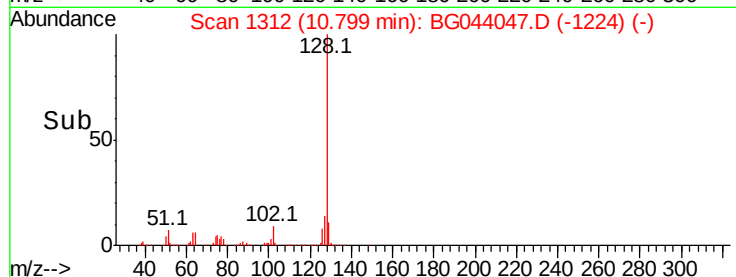
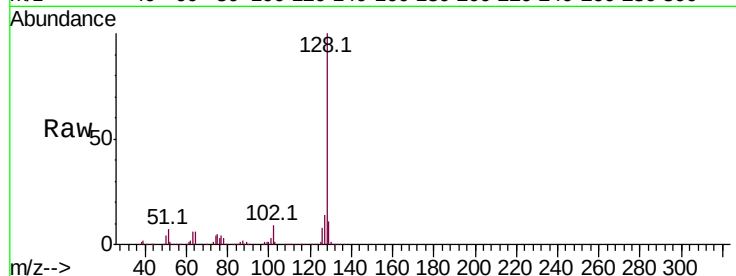




#31
Naphthalene
Concen: 21.162 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

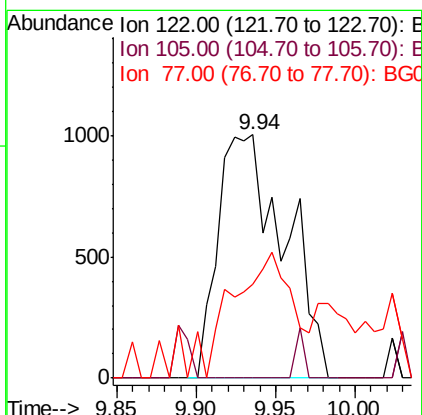
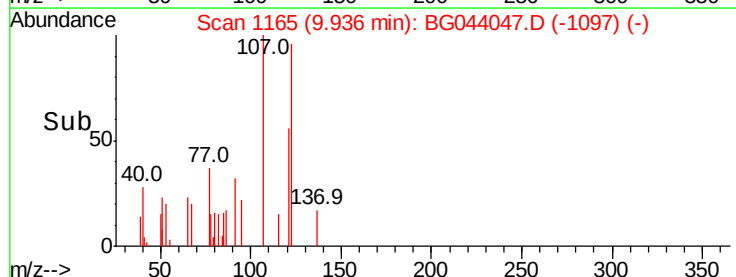
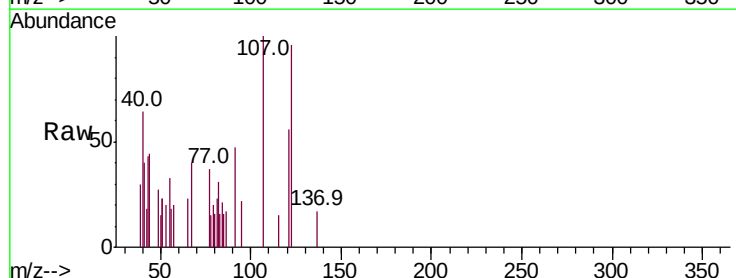
Instrument :
BNA_G
ClientSampleId :

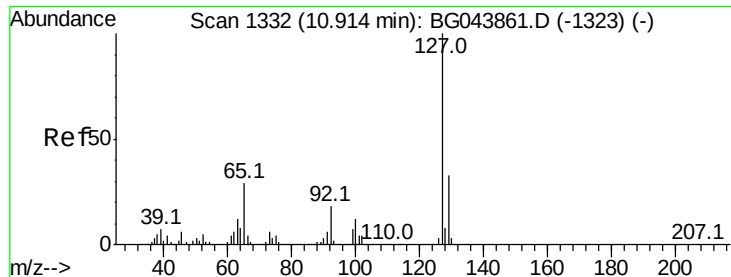
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.6
127	14.3	12.0	18.0



#32
Benzoic acid
Concen: 6.626 ng
RT: 9.94 min Scan# 1165
Delta R.T. -0.13 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	38.6	74.6	114.6#

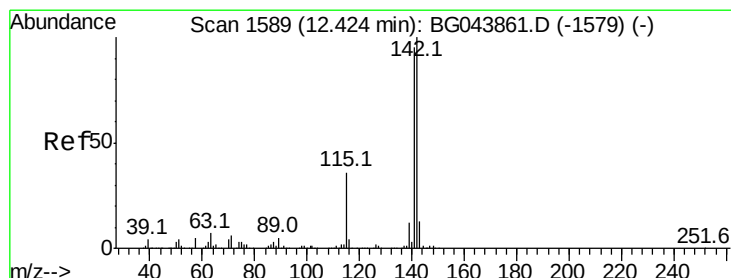
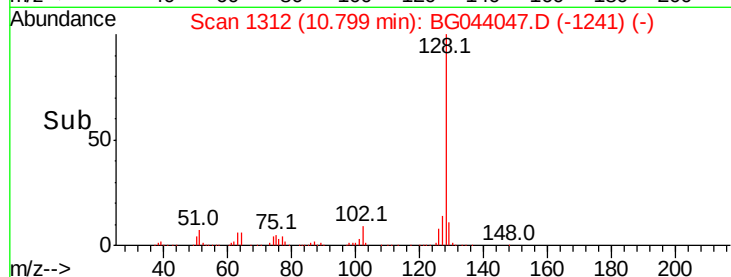
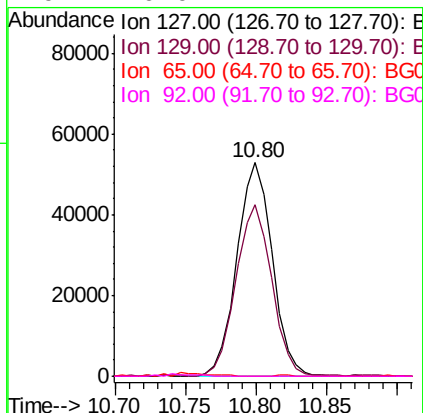
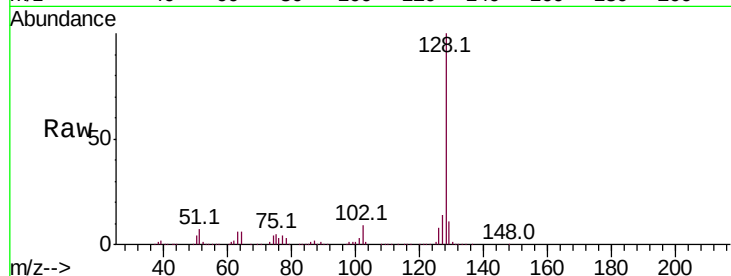




#33
4-Chloroaniline
Concen: 6.177 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.11 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

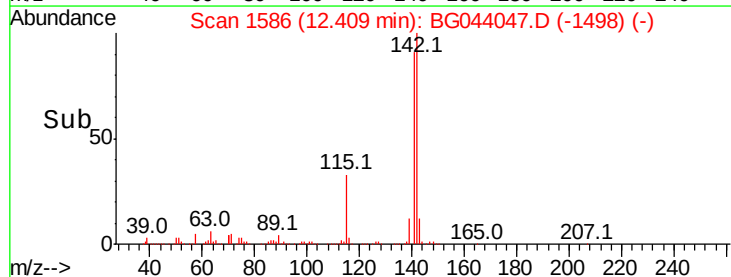
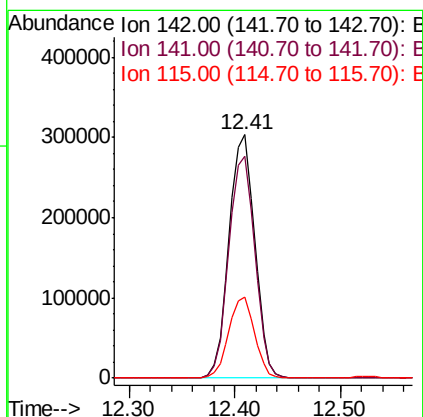
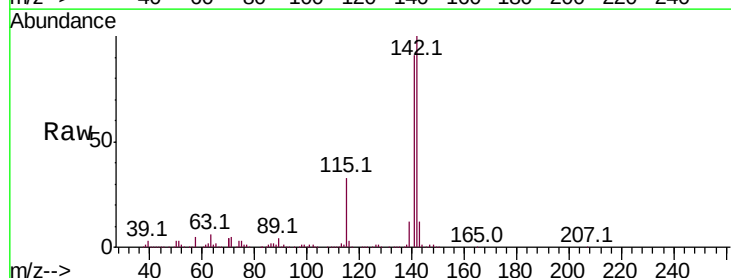
Instrument :
BNA_G
ClientSampleId :

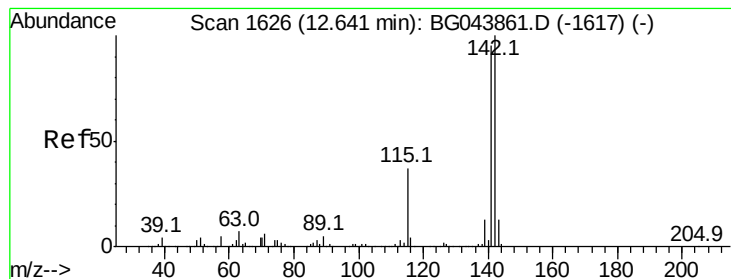
Tot Ion:	127	Resp:	92605
Ion	Ratio	Lower	Upper
127	100		
129	80.2	26.6	40.0#
65	0.0	23.3	34.9#
92	0.0	14.7	22.1#



#37
2-Methylnaphthalene
Concen: 21.635 ng
RT: 12.41 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion:	142	Resp:	512005
Ion	Ratio	Lower	Upper
142	100		
141	90.9	75.8	113.8
115	33.1	28.6	42.8





#38

1-Methylnaphthalene

Concen: 12.394 ng

RT: 12.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

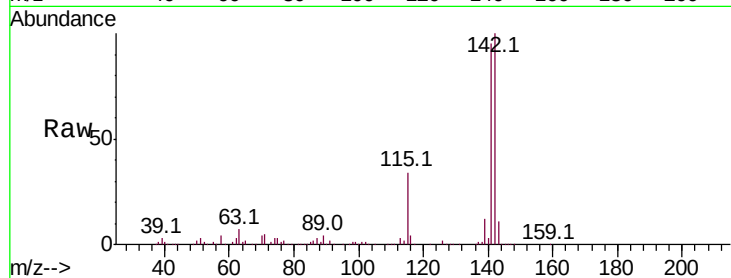
Tot Ion:142 Resp: 277980

Ion Ratio Lower Upper

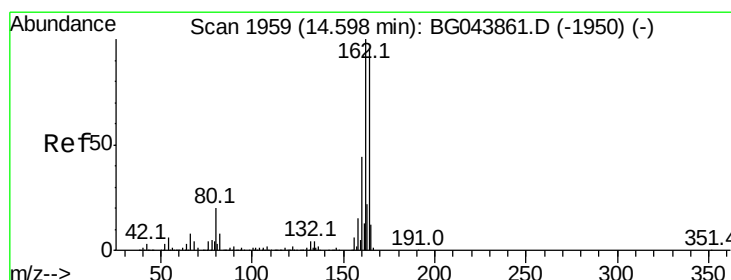
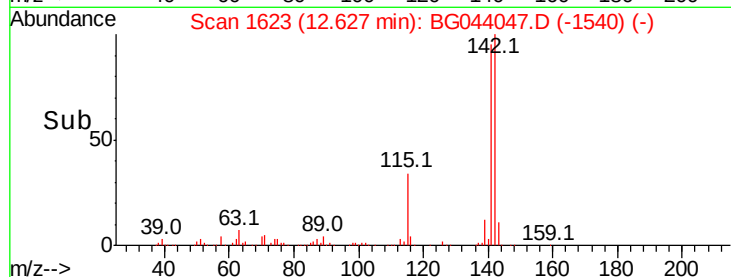
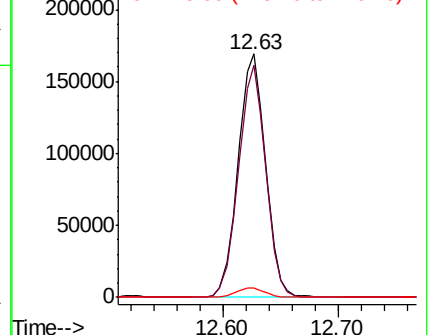
142 100

141 95.3 76.0 114.0

116 3.8 3.1 4.7



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

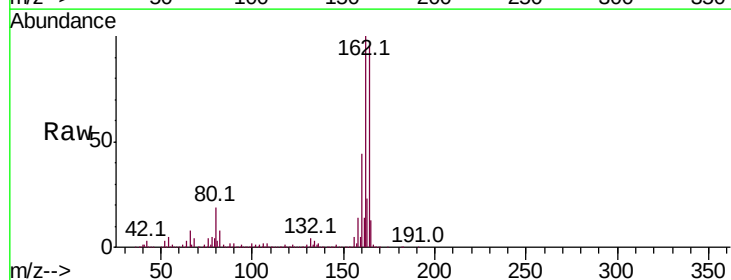
Tgt Ion:164 Resp: 381065

Ion Ratio Lower Upper

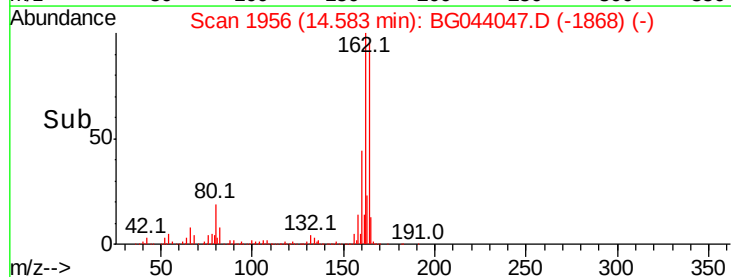
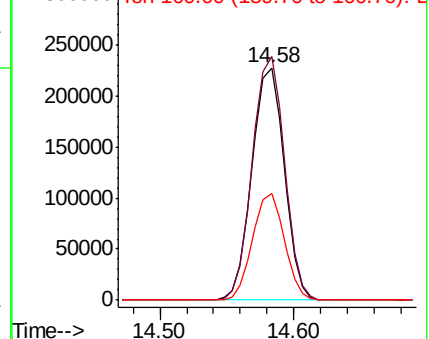
164 100

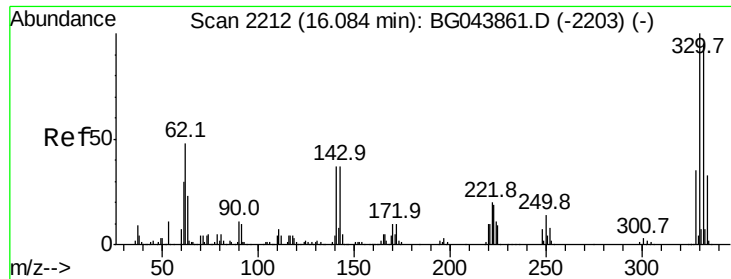
162 104.8 83.0 124.4

160 45.8 36.1 54.1



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: 46.874 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

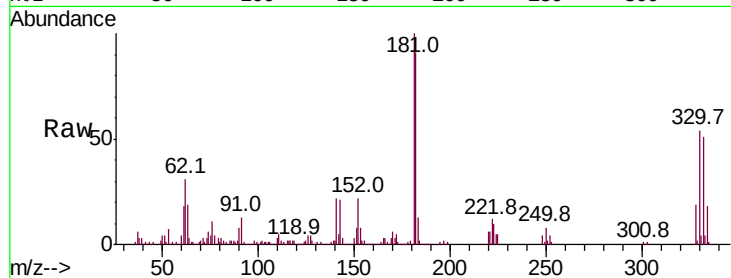
Tot Ion:330 Resp: 186923

Ion Ratio Lower Upper

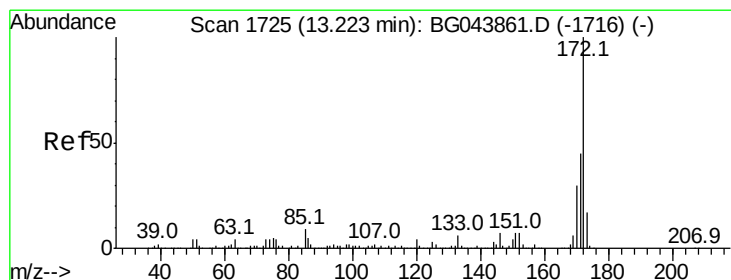
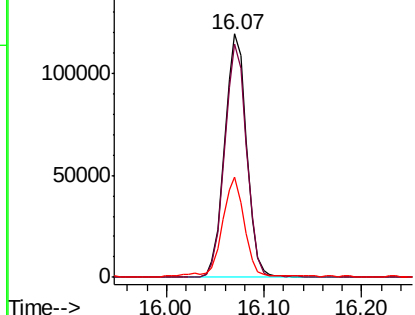
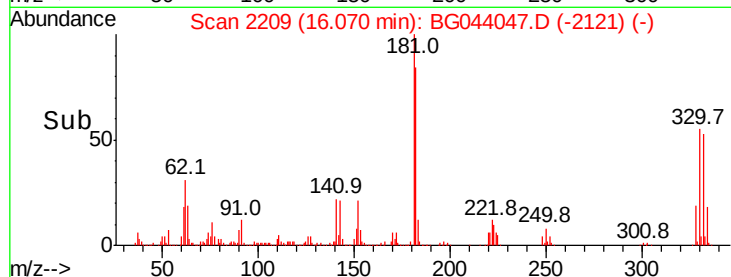
330 100

332 95.6 77.2 115.8

141 41.3 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: 35.259 ng

RT: 13.20 min Scan# 1721

Delta R.T. -0.02 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

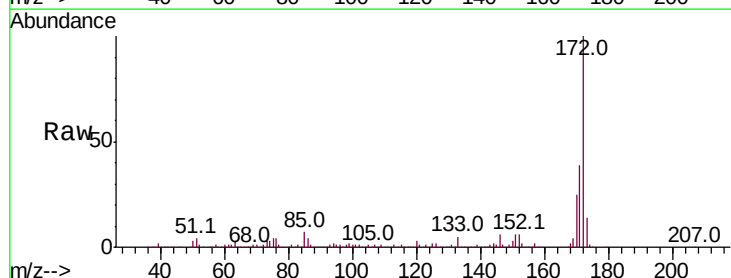
Tgt Ion:172 Resp: 741587

Ion Ratio Lower Upper

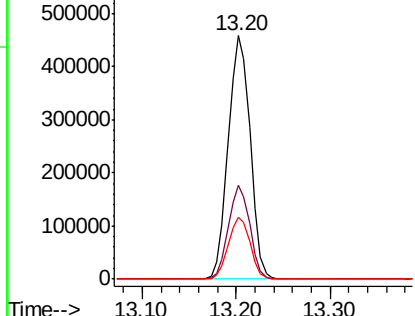
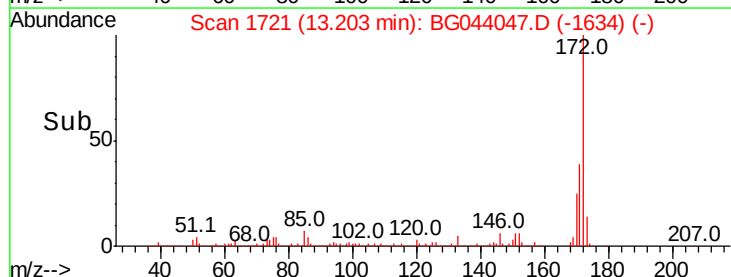
172 100

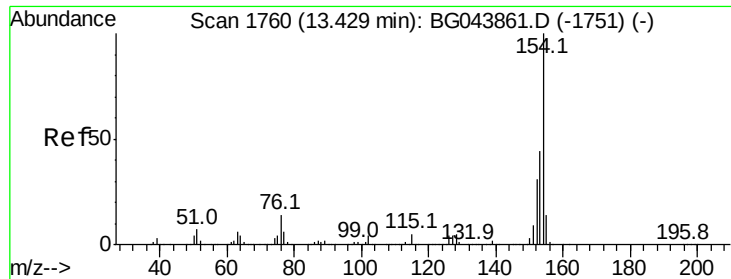
171 38.6 35.8 53.8

170 25.4 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

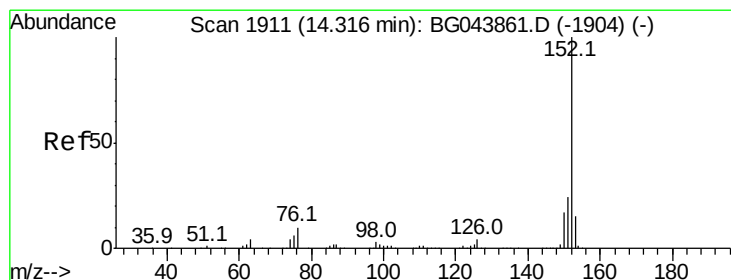
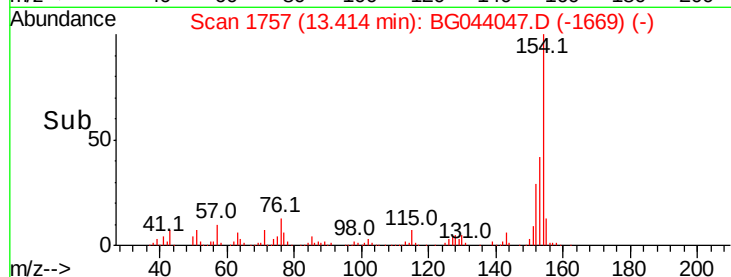
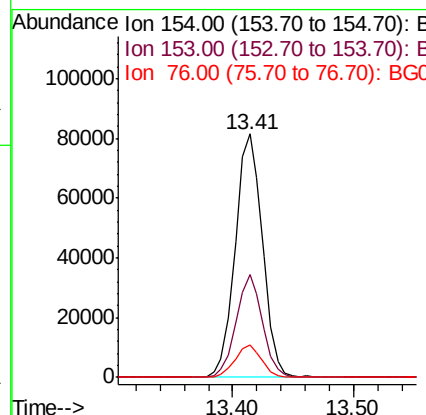
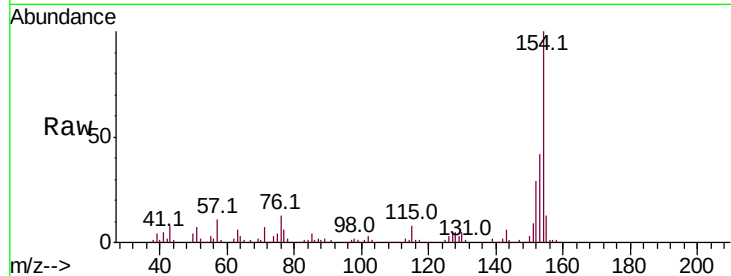




#46
 1,1'-Biphenyl
 Concen: 4.666 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG044047.D
 Acq: 14 Jan 2020 22:03

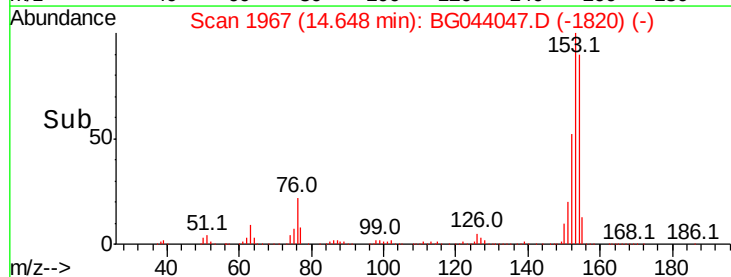
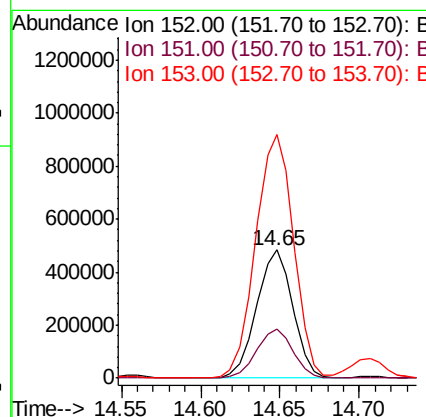
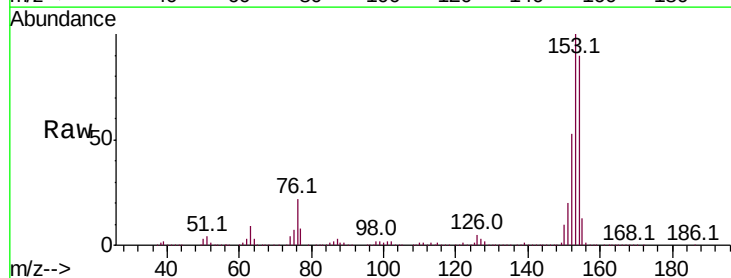
Instrument :
 BNA_G
 ClientSampleId :

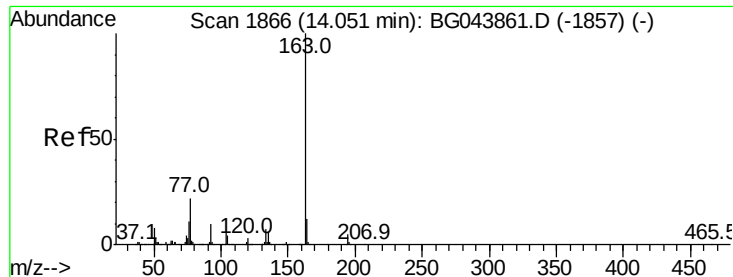
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	23.6	63.6
76	13.1	0.0	34.4



#49
 Acenaphthylene
 Concen: 24.239 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.33 min
 Lab File: BG044047.D
 Acq: 14 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	38.3	19.4	29.2#
153	190.4	12.0	18.0#

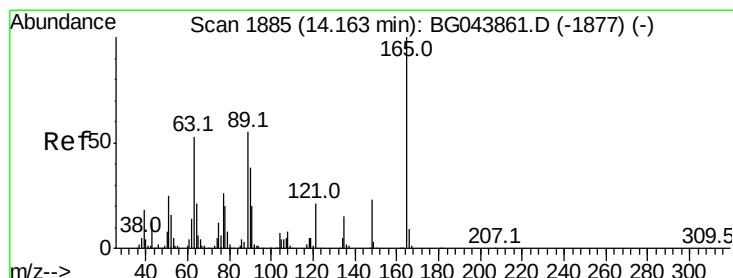
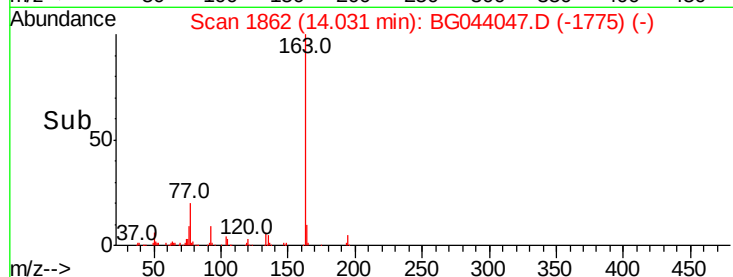
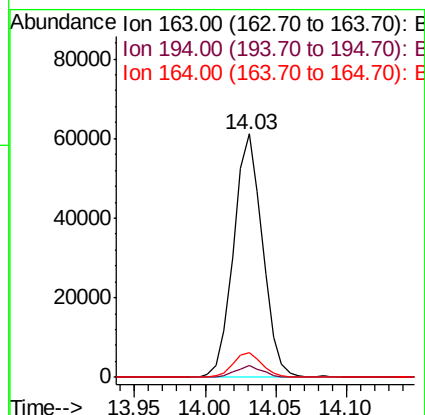
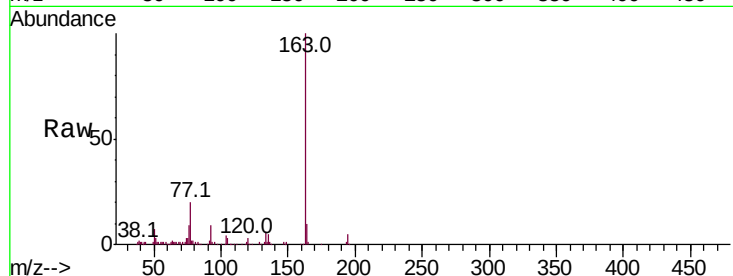




#50
Dimethylphthalate
Concen: 3.219 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

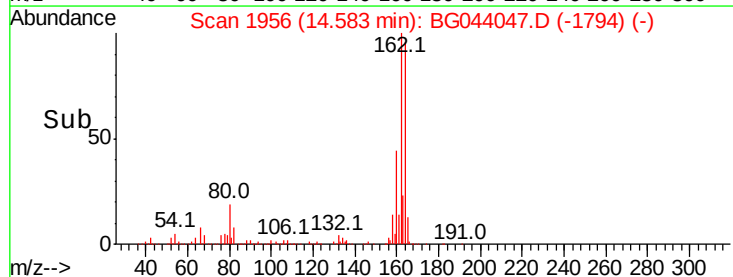
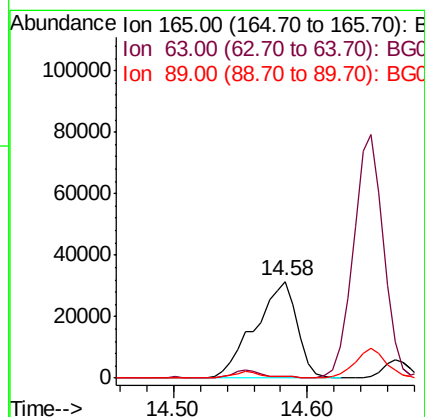
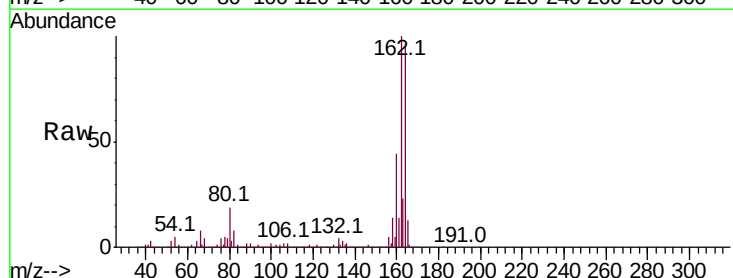
Instrument :
BNA_G
ClientSampleId :

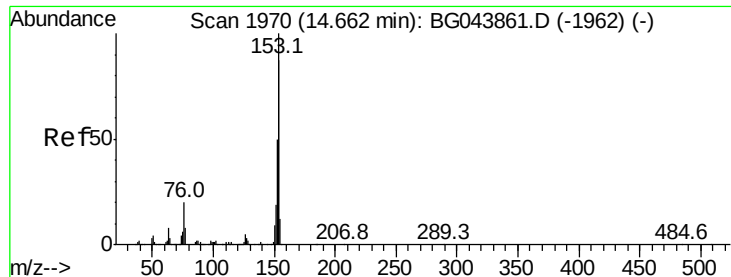
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.7	5.5
164	10.0	9.3	13.9



#51
2,6-Dinitrotoluene
Concen: 11.224 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.42 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.1	64.7#
89	1.6	43.8	65.6#





#52

Acenaphthene

Concen: 61.025 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

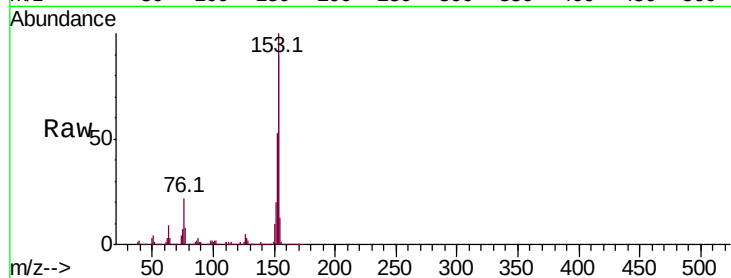
Tot Ion:154 Resp: 1358007

Ion	Ratio	Lower	Upper
154	100		
153	111.5	91.6	137.4
152	58.6	45.4	68.0

154 100

153 111.5 91.6 137.4

152 58.6 45.4 68.0

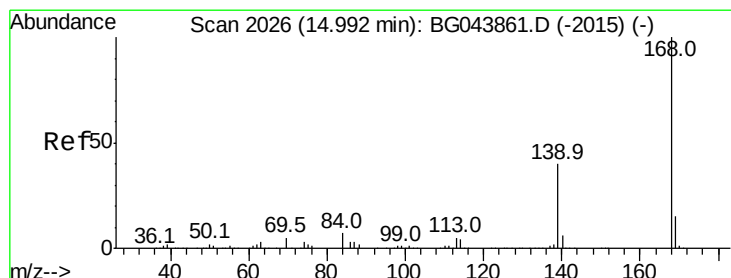
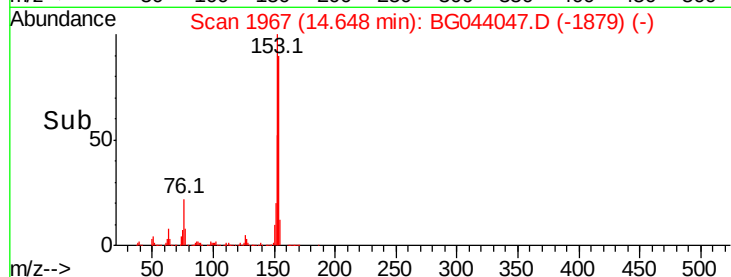
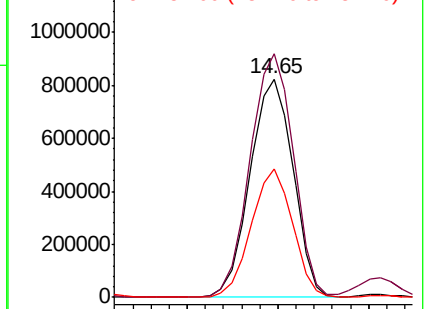


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 45.887 ng

RT: 14.98 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

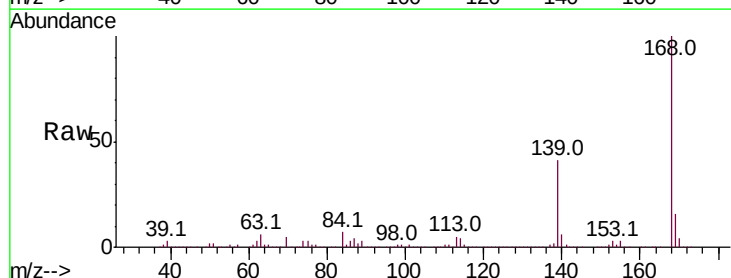
Tgt Ion:168 Resp: 1405724

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.2	48.2
169	16.2	12.2	18.2

168 100

139 41.2 32.2 48.2

169 16.2 12.2 18.2

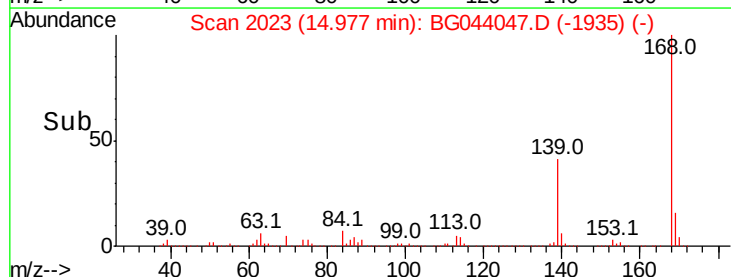
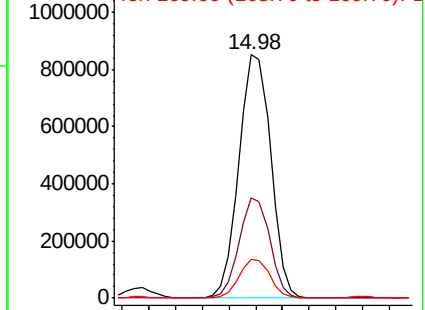


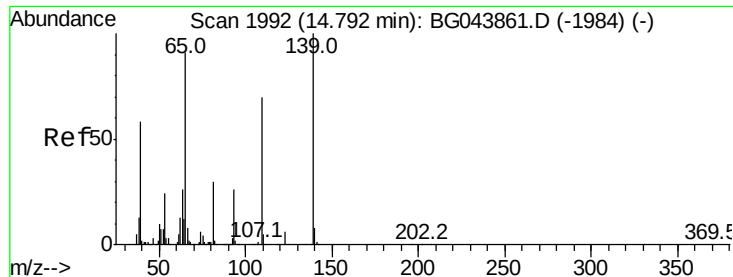
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 104.701 ng

RT: 14.98 min Scan# 2023

Delta R.T. 0.19 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

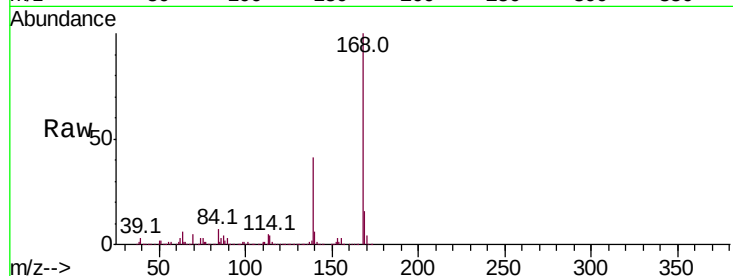
Tot Ion:139 Resp: 557197

Ion Ratio Lower Upper

139 100

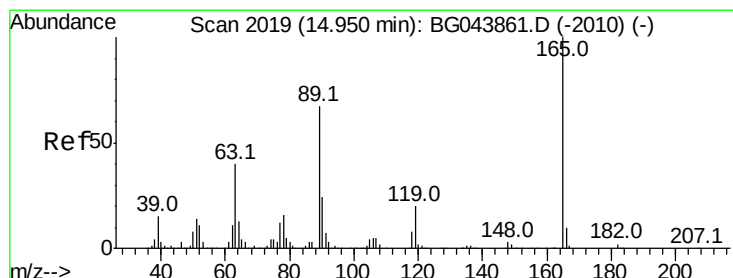
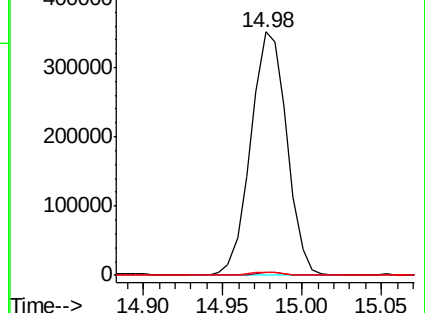
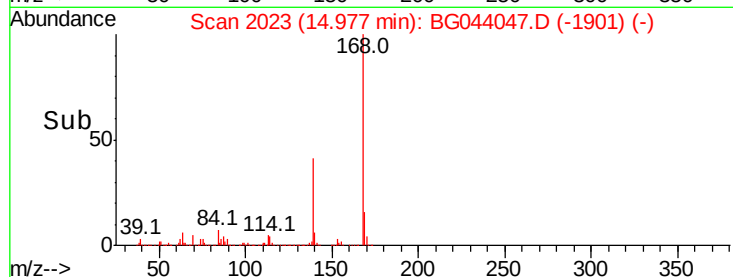
109 1.0 50.4 90.4#

65 1.4 71.4 111.4#



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

14.98



#57

2,4-Dinitrotoluene

Concen: 2.162 ng

RT: 14.89 min Scan# 2009

Delta R.T. -0.06 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Tgt Ion:165 Resp: 17995

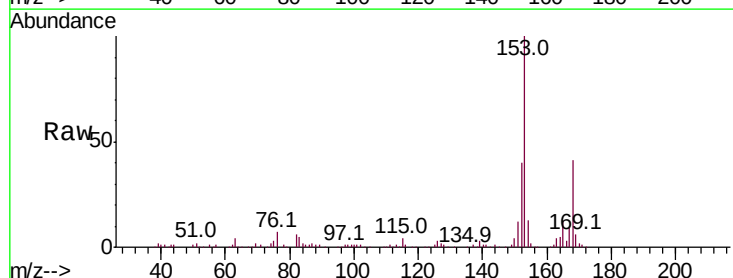
Ion Ratio Lower Upper

165 100

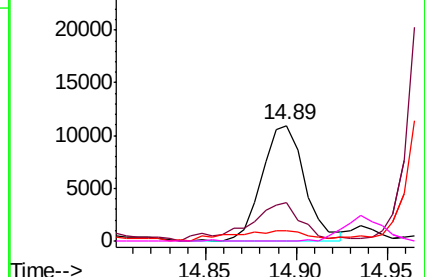
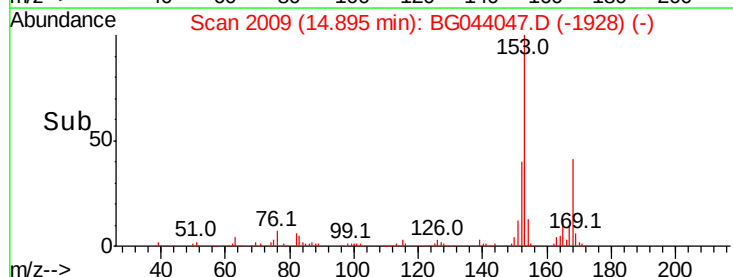
63 32.7 31.9 47.9

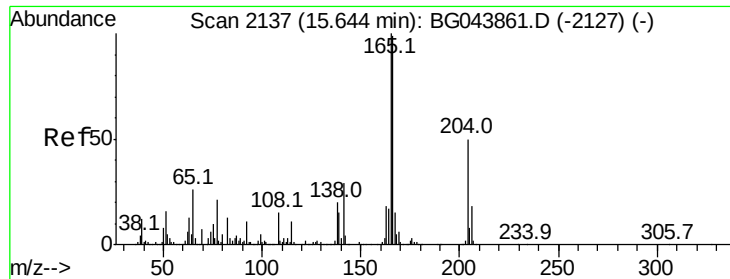
89 8.9 53.8 80.6#

182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 75.124 ng

RT: 15.63 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampled :

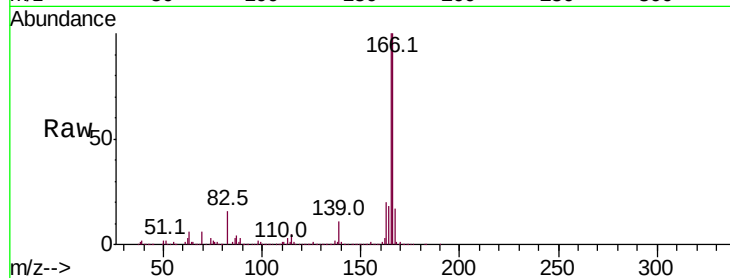
Tot Ion:166 Resp: 1824081

Ion Ratio Lower Upper

166 100

165 99.9 80.8 121.2

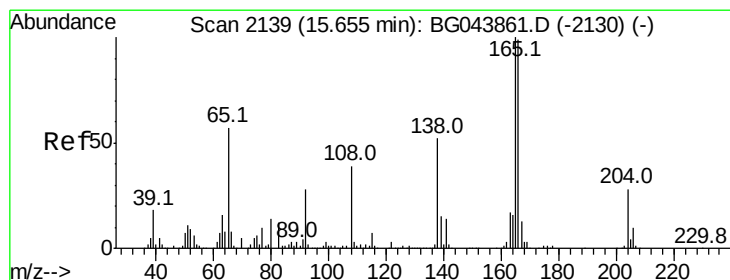
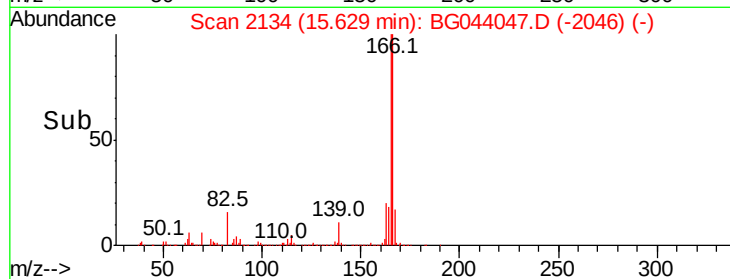
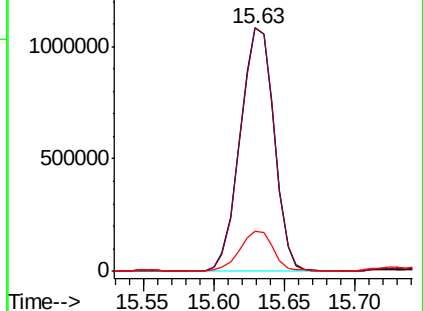
167 16.7 12.1 18.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

4-Nitroaniline

Concen: 3.583 ng

RT: 15.63 min Scan# 2134

Delta R.T. -0.03 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

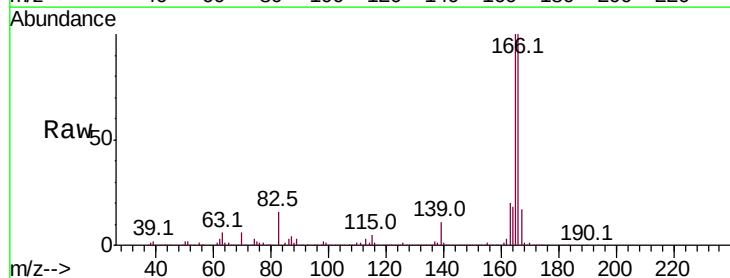
Tgt Ion:138 Resp: 24574

Ion Ratio Lower Upper

138 100

92 1.2 34.3 74.3#

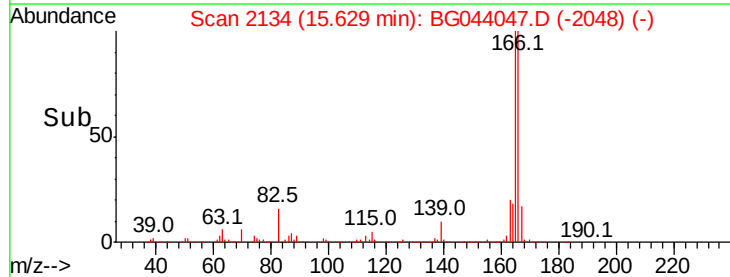
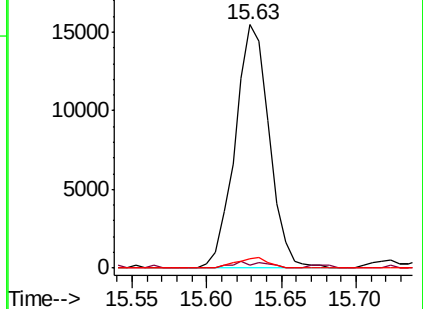
108 3.7 55.0 95.0#

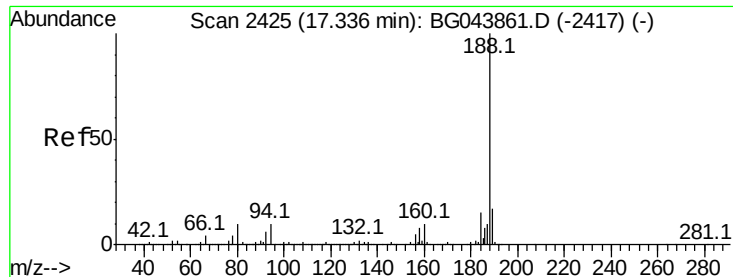


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampled :

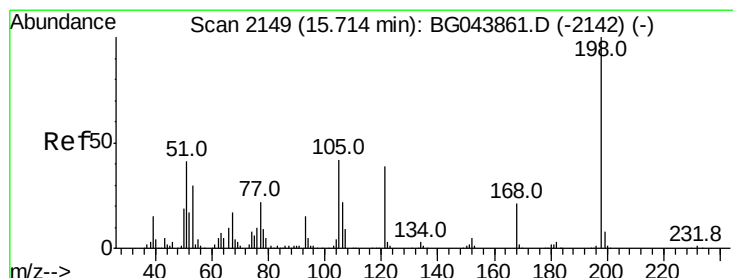
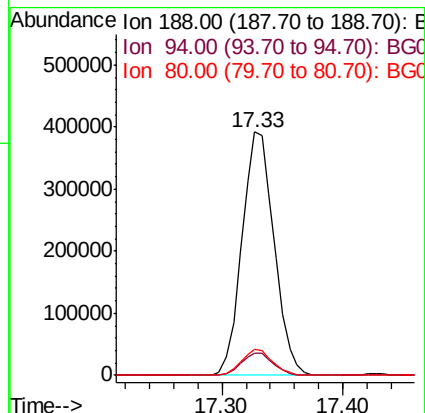
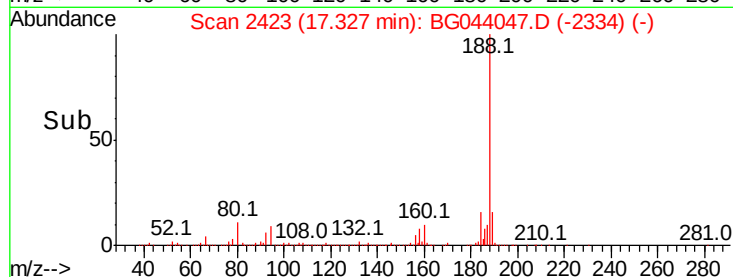
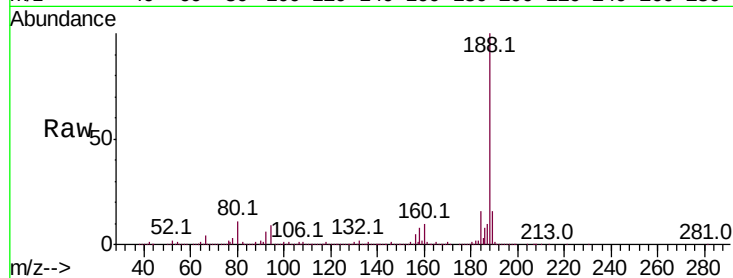
Tot Ion:188 Resp: 725779

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

80 10.6 8.2 12.4



#65

4,6-Dinitro-2-methylphenol

Concen: 4.405 ng

RT: 15.78 min Scan# 2159

Delta R.T. 0.06 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

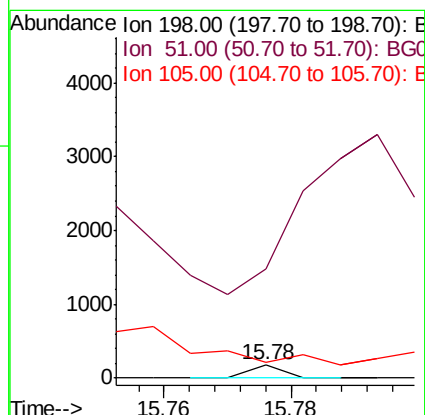
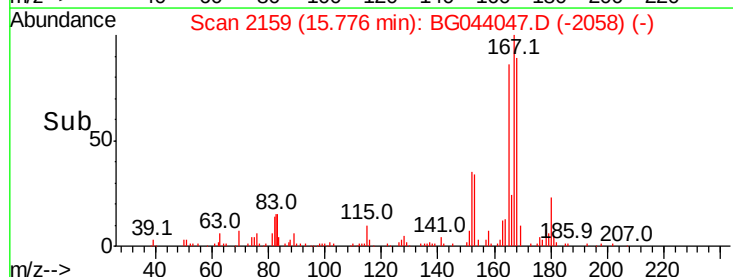
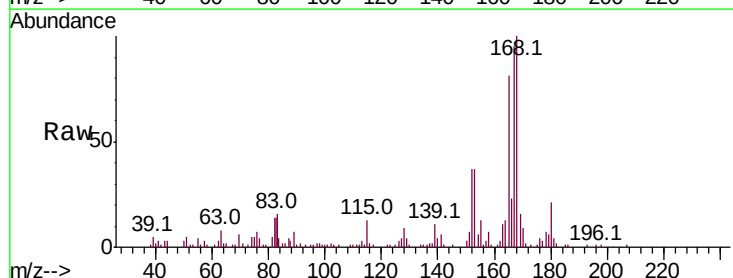
Tgt Ion:198 Resp: 63

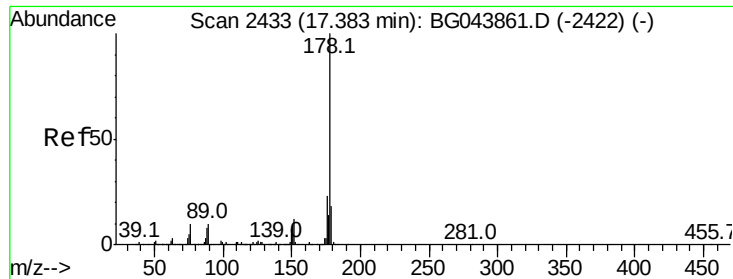
Ion Ratio Lower Upper

198 100

51 826.7 22.5 62.5#

105 120.6 22.3 62.3#

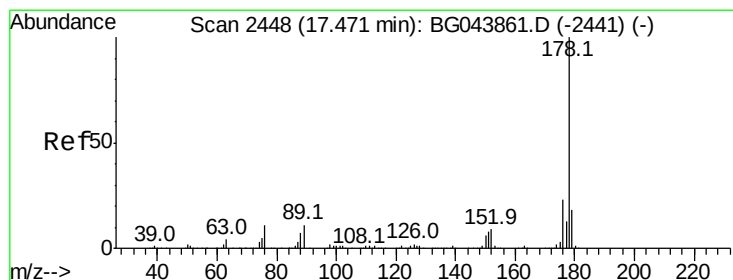
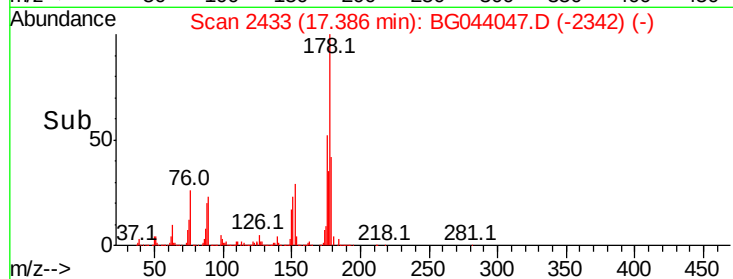
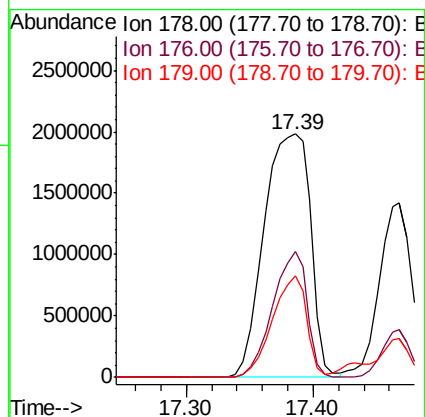
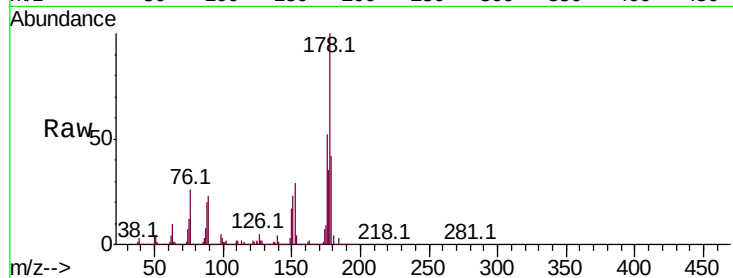




#71
Phenanthrene
Concen: 145.700 ng
RT: 17.39 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

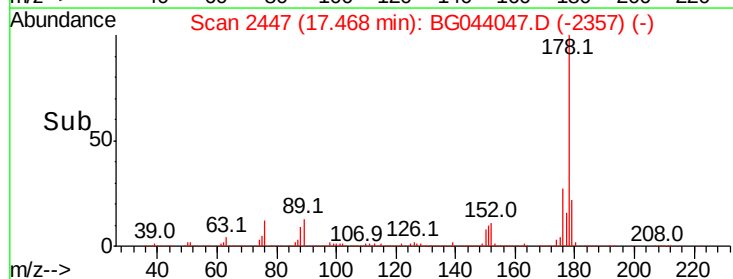
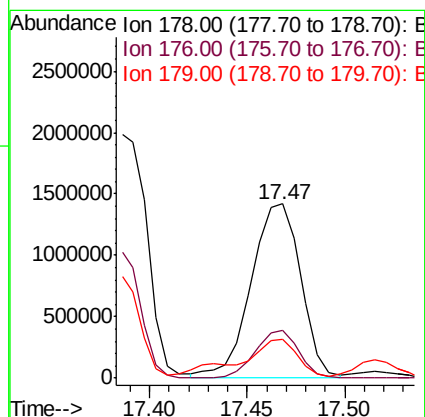
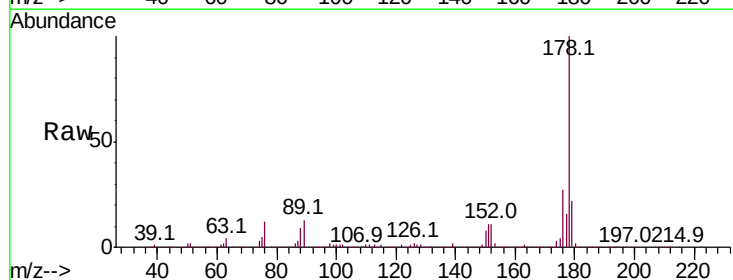
Instrument :
BNA_G
ClientSampled :

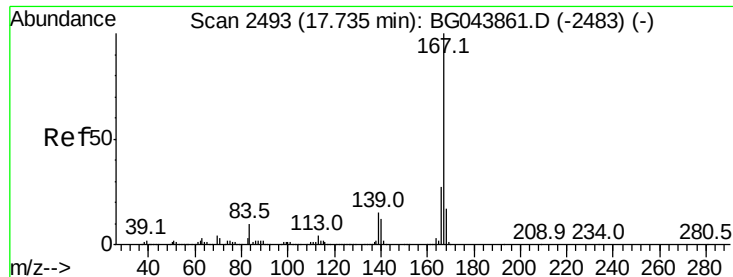
Tot Ion:178 Resp: 5072103
Ion Ratio Lower Upper
178 100
176 51.8 18.6 28.0#
179 41.6 14.4 21.6#



#72
Anthracene
Concen: 72.429 ng
RT: 17.47 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion:178 Resp: 2491868
Ion Ratio Lower Upper
178 100
176 27.1 18.3 27.5
179 22.5 14.6 22.0#

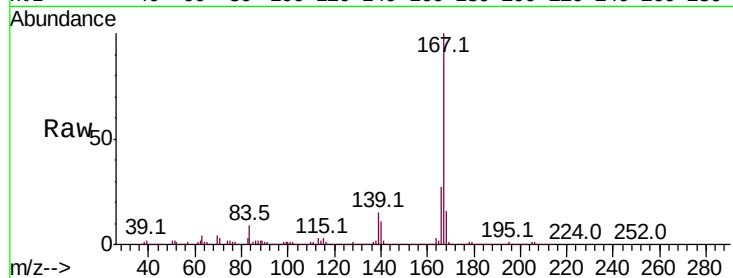




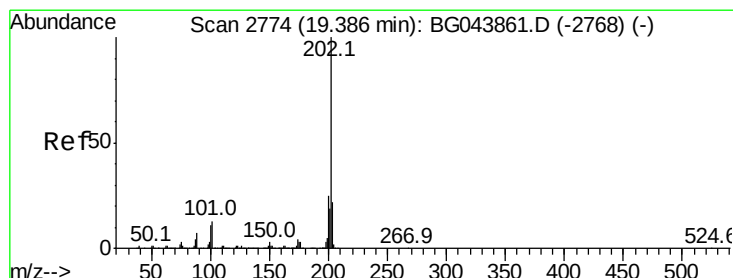
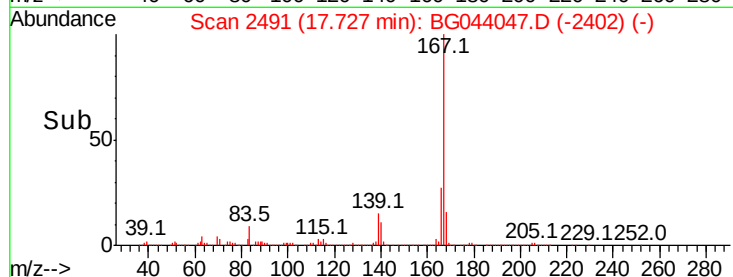
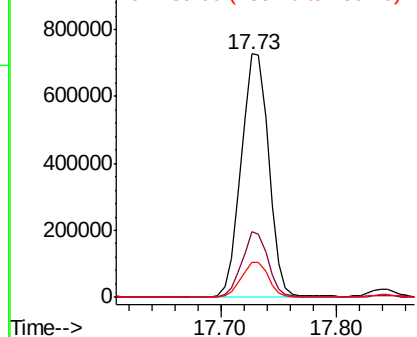
#73
 Carbazole
 Concen: 37.961 ng
 RT: 17.73 min Scan# 2491
 Delta R.T. -0.01 min
 Lab File: BG044047.D
 Acq: 14 Jan 2020 22:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	26.9	21.6	32.4
139	14.6	12.1	18.1

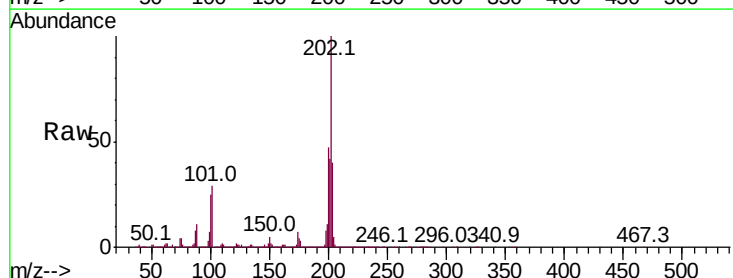


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

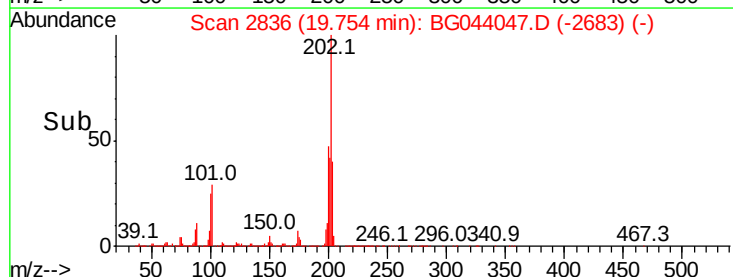
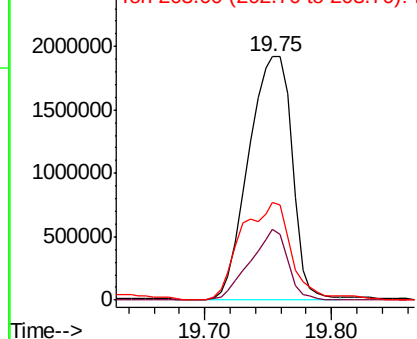


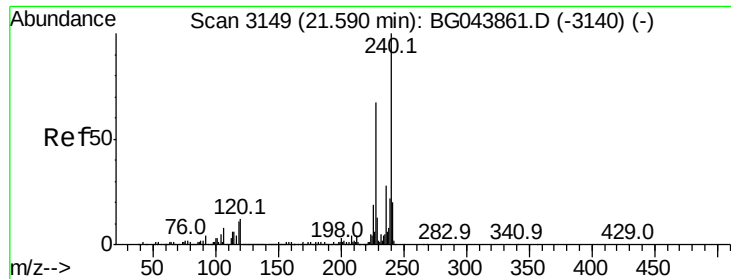
#75
 Fluoranthene
 Concen: 114.598 ng
 RT: 19.75 min Scan# 2836
 Delta R.T. 0.37 min
 Lab File: BG044047.D
 Acq: 14 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	28.9	0.0	33.3
203	39.9	1.6	41.6



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: 21.59 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

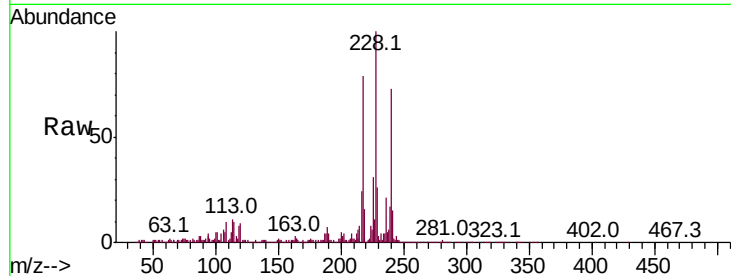
Tot Ion:240 Resp: 593309

Ion Ratio Lower Upper

240 100

120 11.7 9.6 14.4

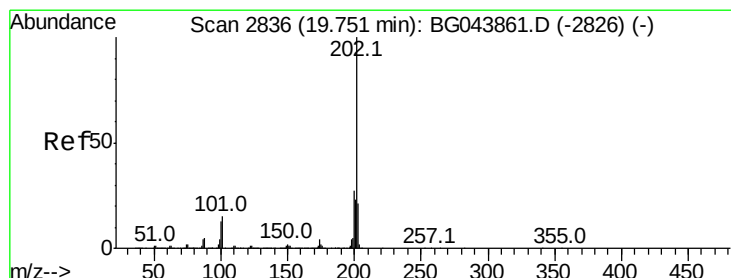
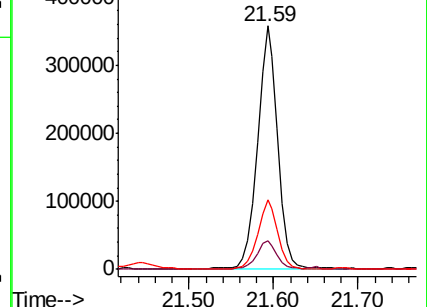
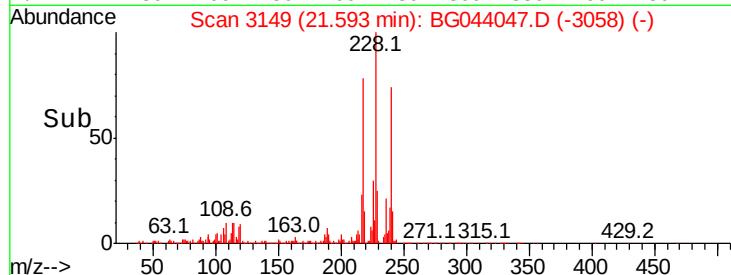
236 28.6 22.2 33.2



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: 117.808 ng

RT: 19.75 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

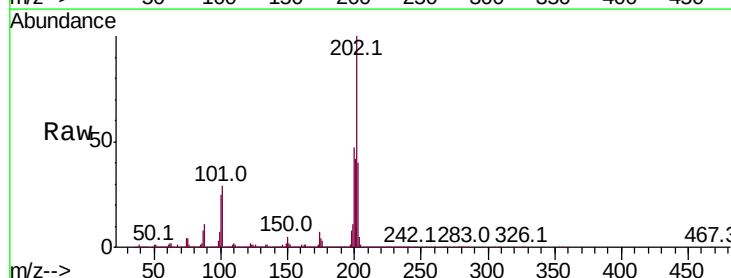
Tgt Ion:202 Resp: 4562432

Ion Ratio Lower Upper

202 100

200 47.1 21.7 32.5#

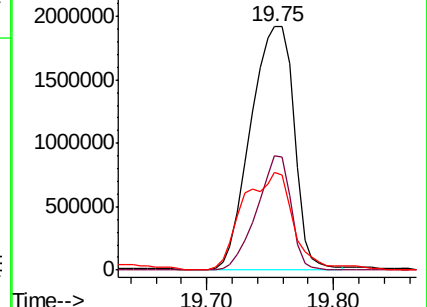
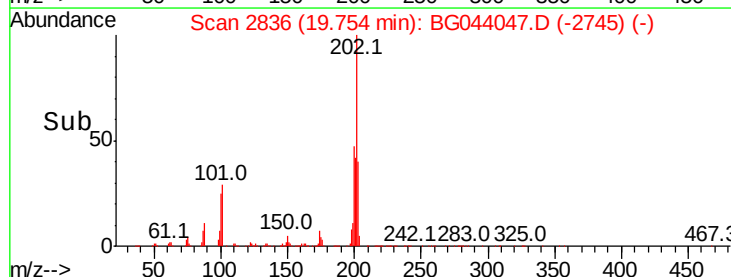
203 39.9 17.0 25.6#

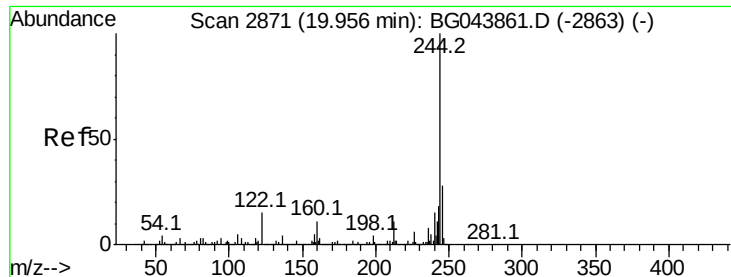


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 26.759 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampled :

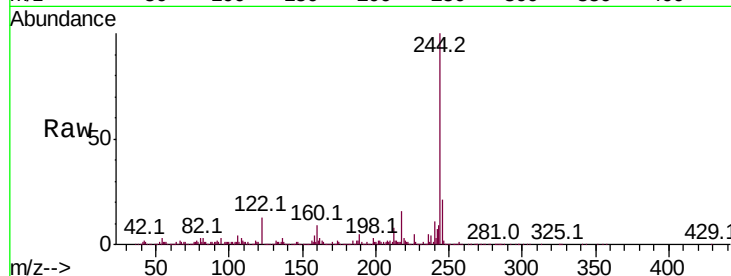
Tot Ion:244 Resp: 875586

Ion Ratio Lower Upper

244 100

212 8.2 8.6 13.0#

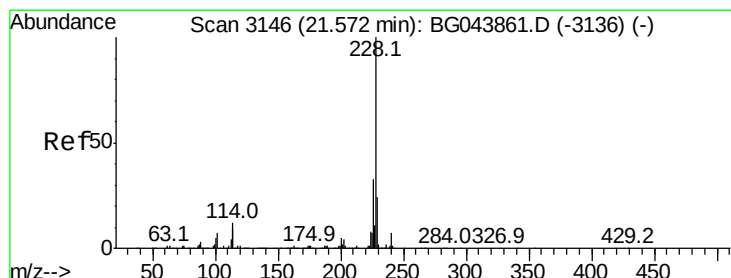
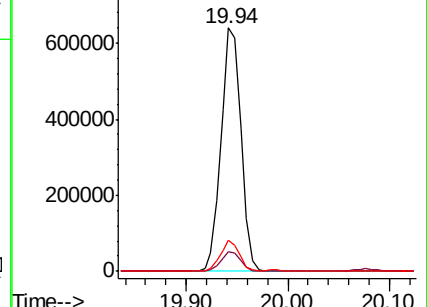
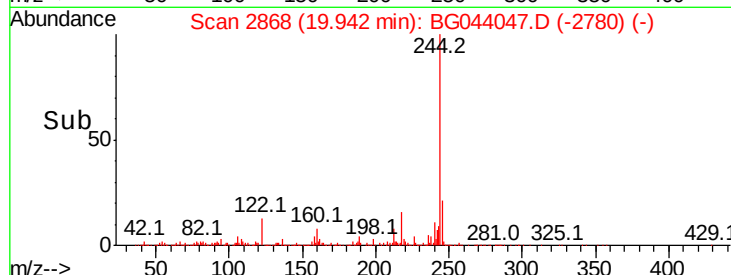
122 13.0 11.9 17.9



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: 88.431 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

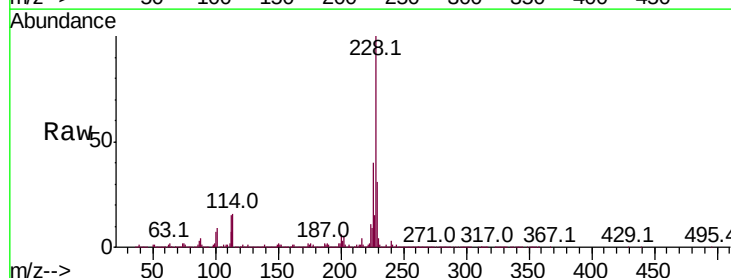
Tgt Ion:228 Resp: 3253329

Ion Ratio Lower Upper

228 100

226 39.7 26.2 39.4#

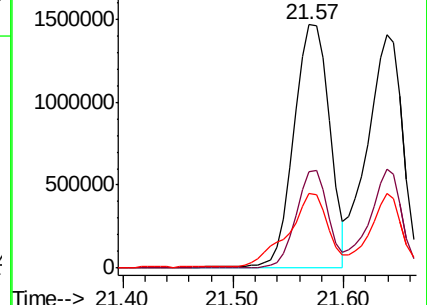
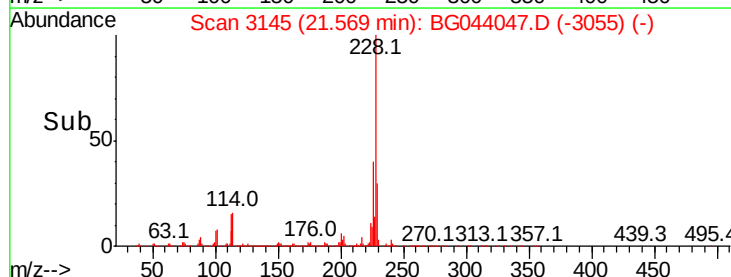
229 30.5 18.9 28.3#

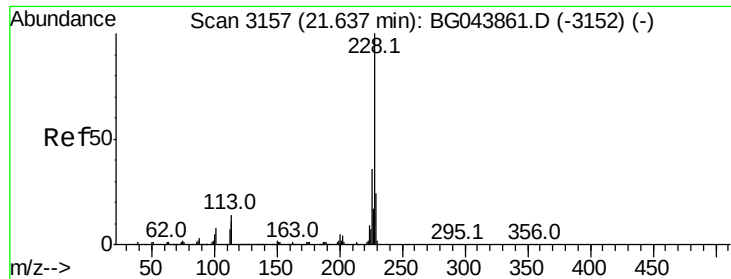


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 86.538 ng

RT: 21.64 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

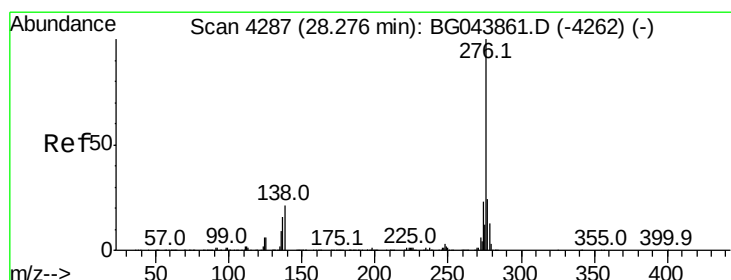
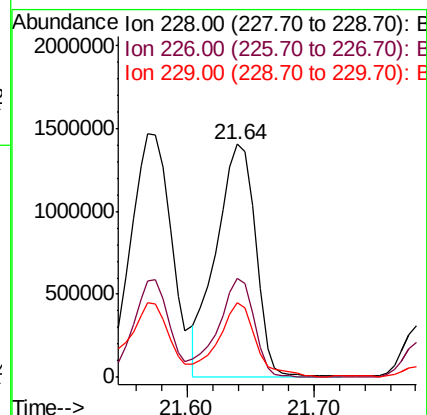
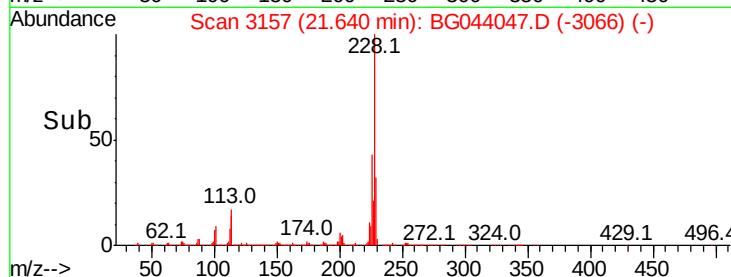
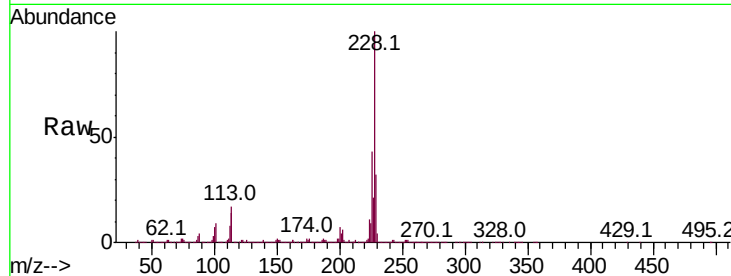
Tot Ion:228 Resp: 3025111

Ion Ratio Lower Upper

228 100

226 42.7 28.8 43.2

229 32.0 19.0 28.6#



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.194 ng

RT: 27.98 min Scan# 4236

Delta R.T. -0.30 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

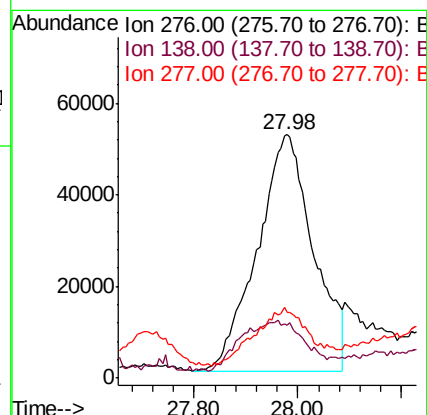
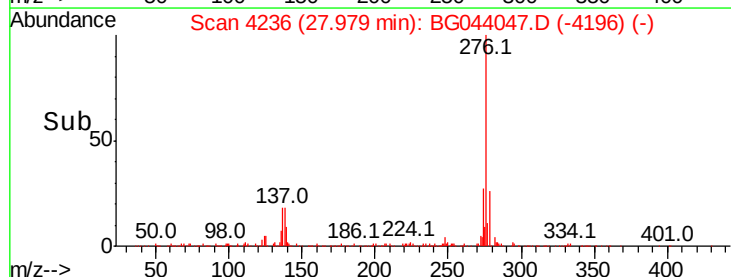
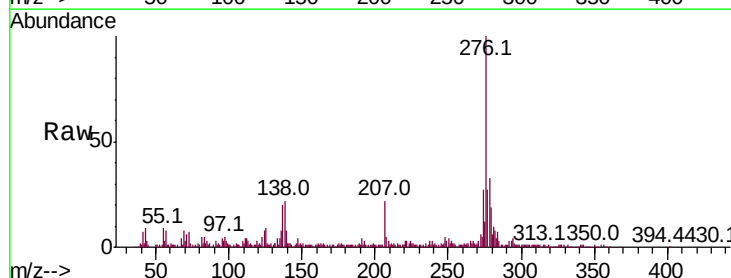
Tgt Ion:276 Resp: 389288

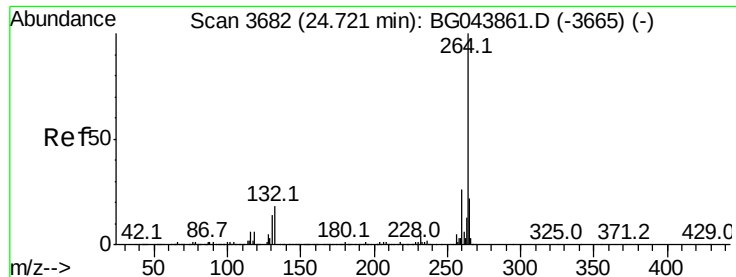
Ion Ratio Lower Upper

276 100

138 23.7 21.0 31.4

277 22.8 21.1 31.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3691

Delta R.T. 0.06 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampled :

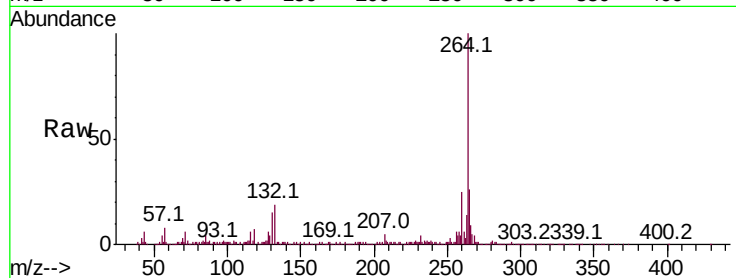
Tot Ion:264 Resp: 701171

Ion Ratio Lower Upper

264 100

260 25.3 20.4 30.6

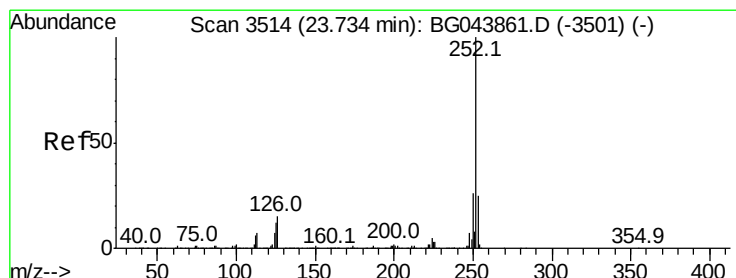
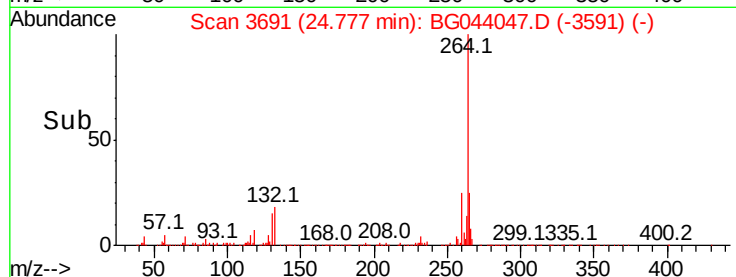
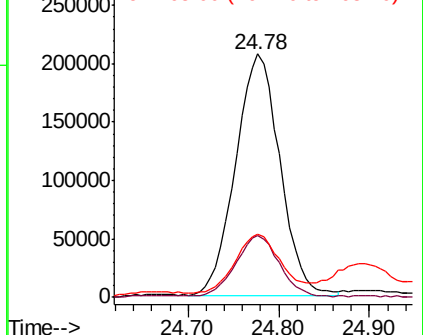
265 25.8 17.4 26.2



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



#88

Benzo(b)fluoranthene

Concen: 14.569 ng

RT: 24.01 min Scan# 3560

Delta R.T. 0.27 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

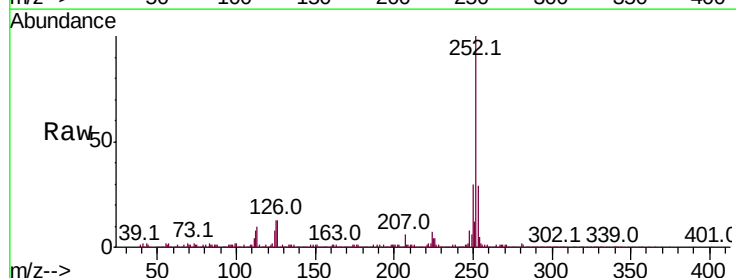
Tgt Ion:252 Resp: 603918

Ion Ratio Lower Upper

252 100

253 28.9 19.7 29.5

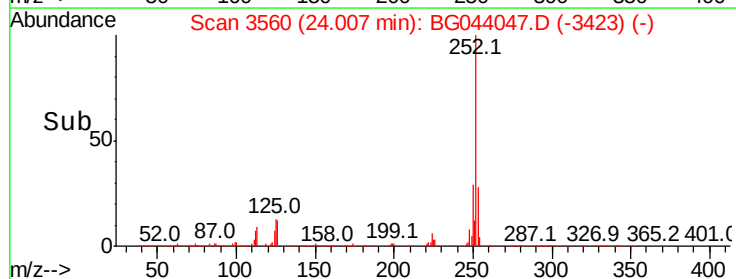
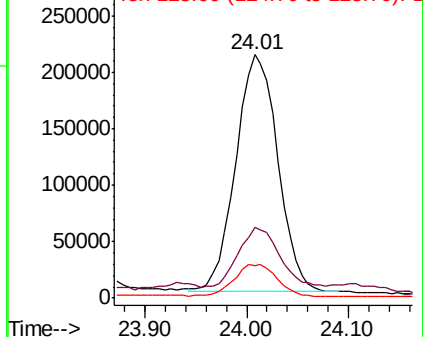
125 13.2 9.4 14.2

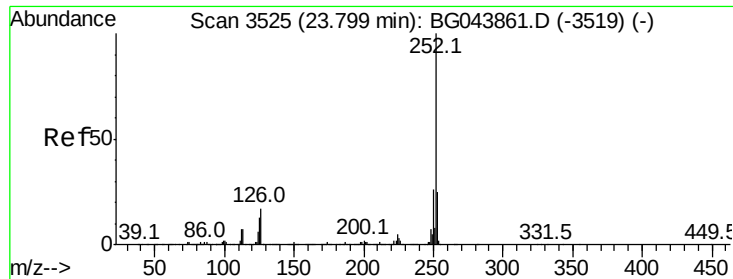


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

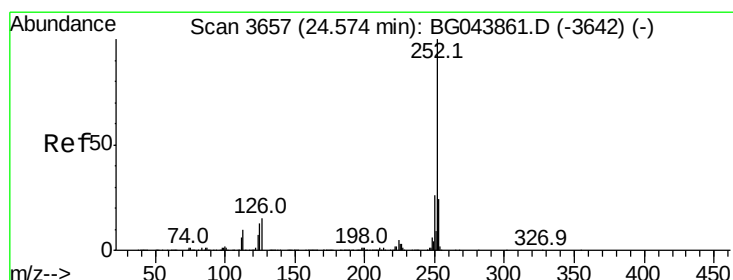
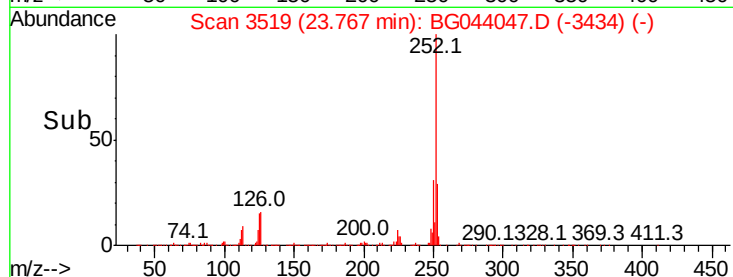
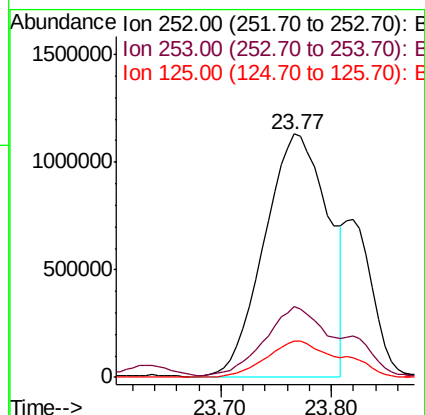
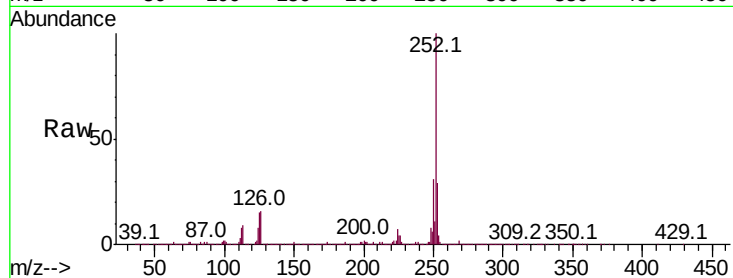




#89
Benzo(k)fluoranthene
Concen: 114.414 ng
RT: 23.77 min Scan# 3519
Delta R.T. -0.03 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

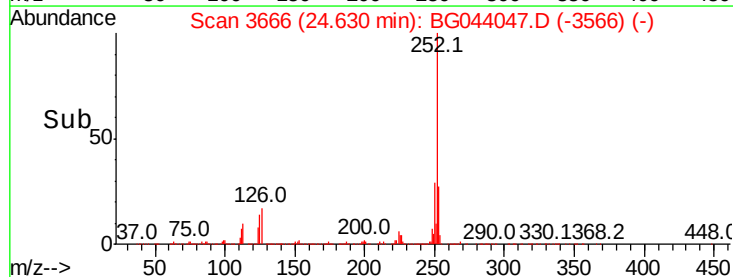
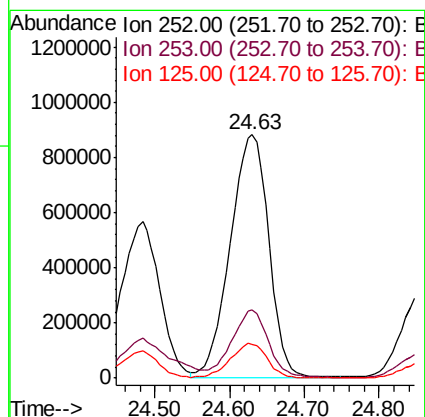
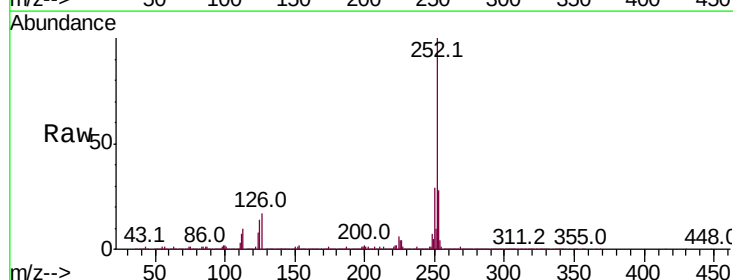
Instrument :
BNA_G
ClientSampled :

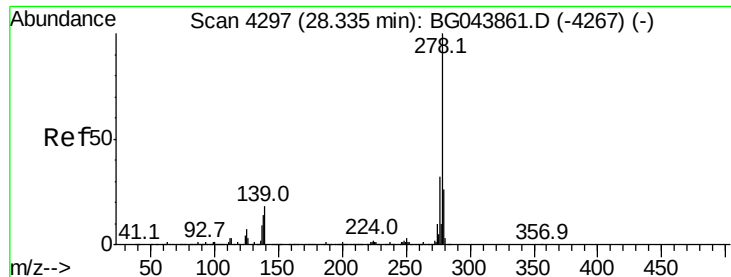
Tot Ion:252 Resp: 4509919
Ion Ratio Lower Upper
252 100
253 29.0 19.4 29.2
125 14.6 9.9 14.9



#90
Benzo(a)pyrene
Concen: 80.735 ng
RT: 24.63 min Scan# 3666
Delta R.T. 0.06 min
Lab File: BG044047.D
Acq: 14 Jan 2020 22:03

Tgt Ion:252 Resp: 3158607
Ion Ratio Lower Upper
252 100
253 27.8 19.3 28.9
125 14.0 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 11.686 ng

RT: 28.43 min Scan# 4313

Delta R.T. 0.10 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

Instrument :

BNA_G

ClientSampleId :

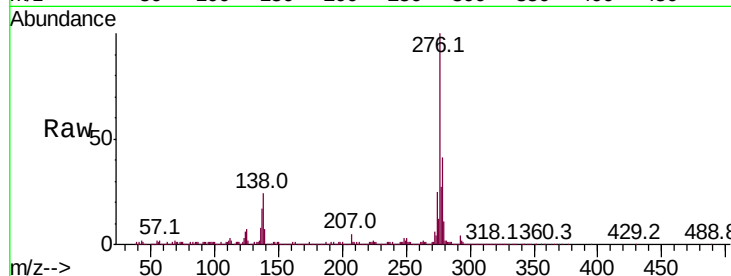
Tot Ion:278 Resp: 459155

Ion Ratio Lower Upper

278 100

139 18.0 14.2 21.4

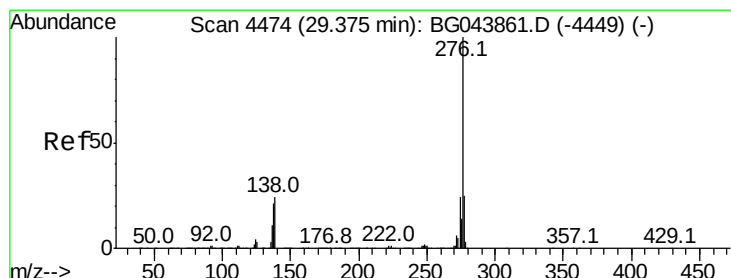
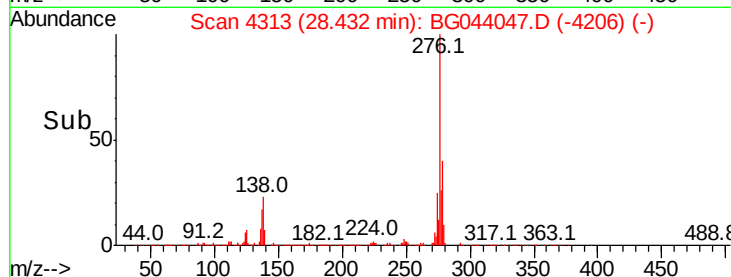
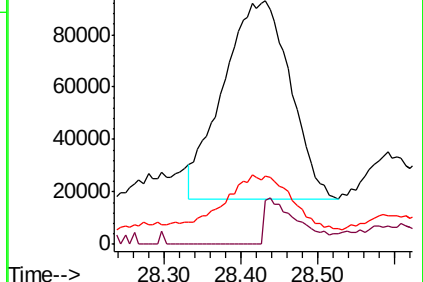
279 28.0 20.6 30.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.099 ng

RT: 29.55 min Scan# 4503

Delta R.T. 0.17 min

Lab File: BG044047.D

Acq: 14 Jan 2020 22:03

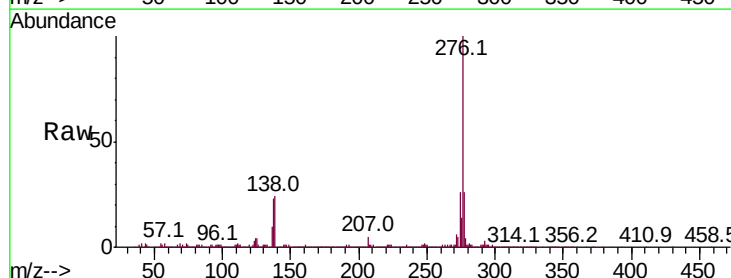
Tgt Ion:276 Resp: 1838204

Ion Ratio Lower Upper

276 100

277 26.0 20.2 30.4

138 24.1 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

