

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012820\
 Data File : BG044232.D
 Acq On : 28 Jan 2020 16:07
 Operator : CG/JU
 Sample : L1242-13
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 17:10:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 28 15:57:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	86270	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	389774	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	270064	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	524928	20.00	ng	0.00
76) Chrysene-d12	21.55	240	452656	20.00	ng	0.00
87) Perylene-d12	24.67	264	526341	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	4811	1.02	ng	0.00
7) Phenol-d6	7.10	99	150017	22.84	ng	0.00
23) Nitrobenzene-d5	9.08	82	396380	54.40	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	2055	0.73	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	775629	52.03	ng	0.00
79) Terphenyl-d14	19.92	244	1118449	53.11	ng	0.00

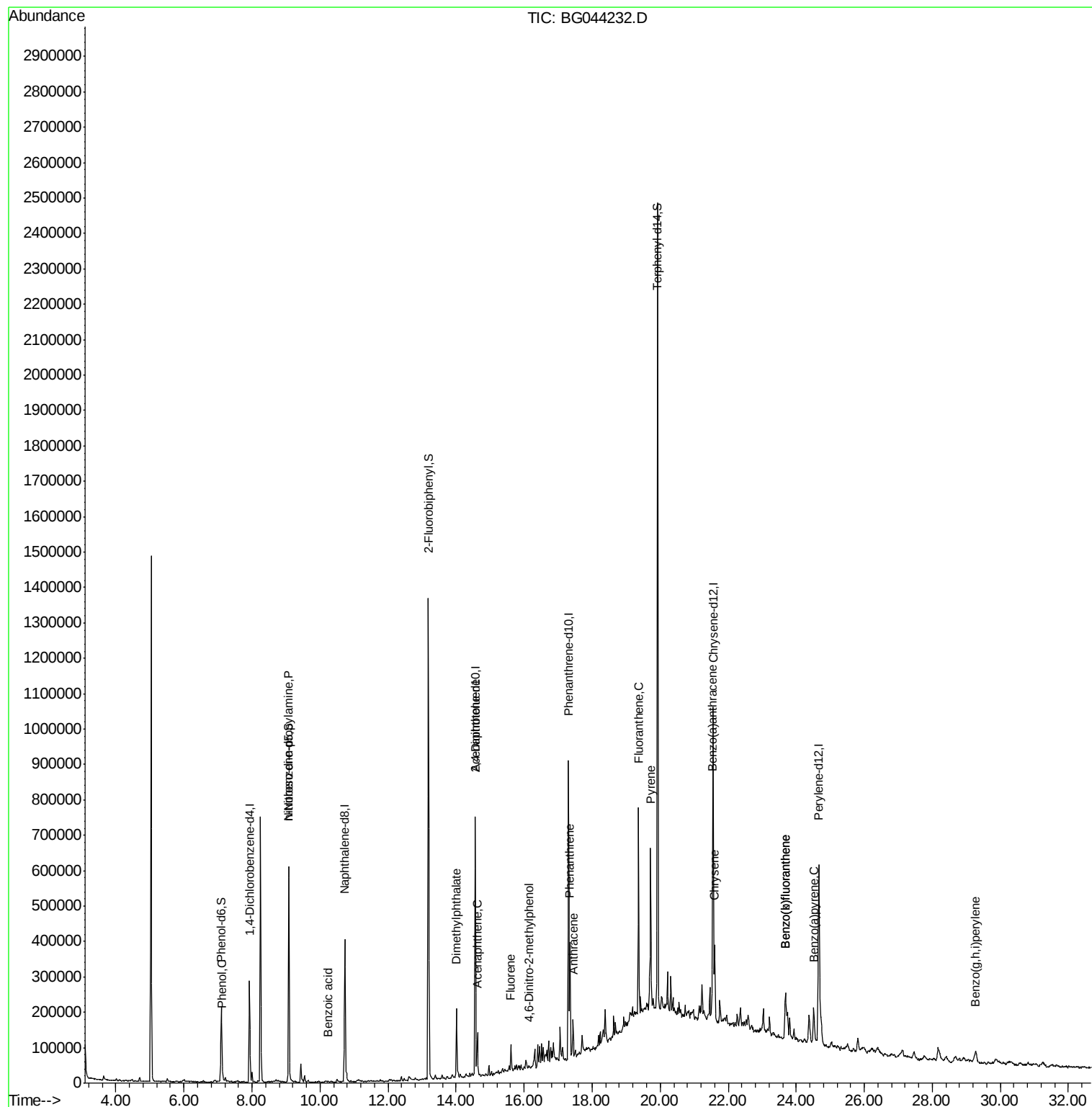
Target Compounds				Qvalue		
10) Phenol	7.12	94	22666	3.350	ng	98
19) n-Nitroso-di-n-propylamine	9.08	70	52516	10.737	ng	# 77
32) Benzoic acid	10.23	122	116	6.286	ng	# 1
50) Dimethylphthalate	14.02	163	149676	7.806	ng	98
52) Acenaphthene	14.63	154	47363	3.003	ng	98
57) 2,4-Dinitrotoluene	14.56	165	35956	6.097	ng	# 28
58) Fluorene	15.61	166	37433	2.175	ng	98
65) 4,6-Dinitro-2-methylphenol	16.13	198	57	4.409	ng	# 1
71) Phenanthrene	17.35	178	206439	8.199	ng	95
72) Anthracene	17.44	178	72923	2.931	ng	96
75) Fluoranthene	19.36	202	343151	11.917	ng	96
78) Pvrene	19.72	202	287002	9.714	ng	94
81) Benzo(a)anthracene	21.54	228	155579	5.543	ng	96
83) Chrysene	21.60	228	140312	5.261	ng	96
88) Benzo(b)fluoranthene	23.68	252	150055	4.822	ng	96
89) Benzo(k)fluoranthene	23.68	252	150055	5.071	ng	95
90) Benzo(a)pvrene	24.52	252	112358	3.826	ng	97
92) Benzo(g,h,i)perylene	29.28	276	62797	2.143	ng	95

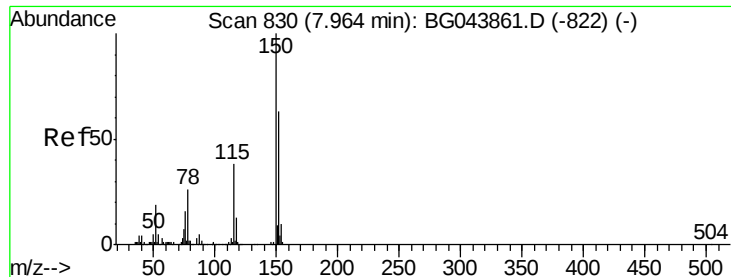
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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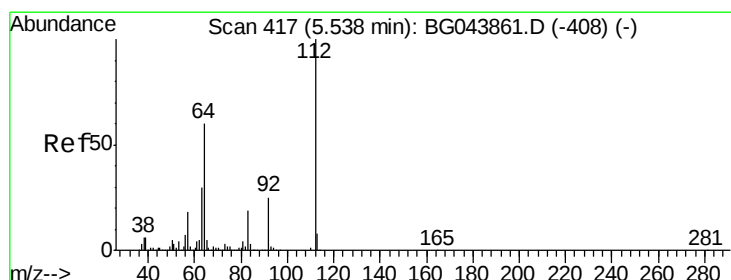
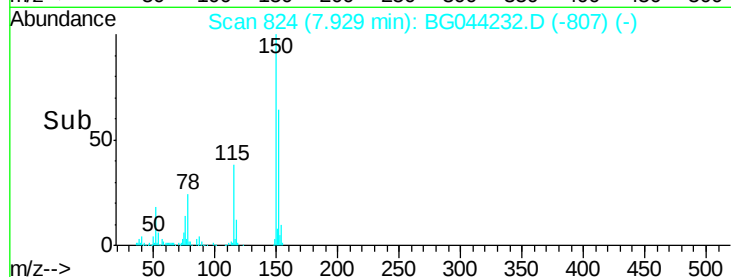
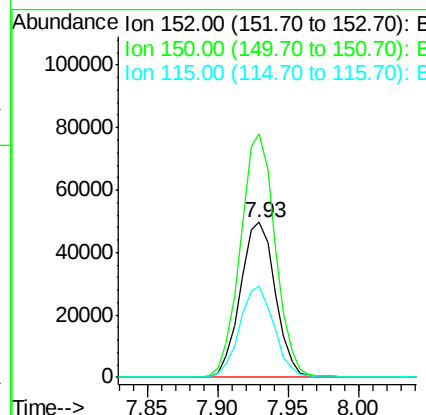
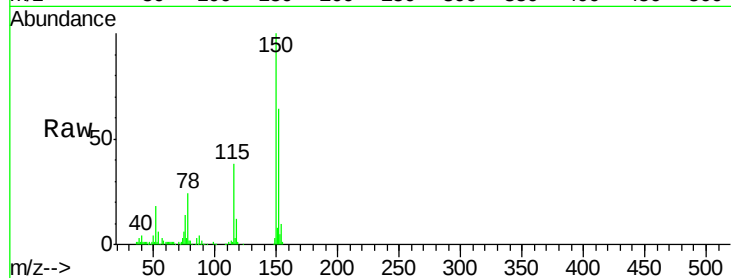


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Instrument :
BNA_G
ClientSampleId :

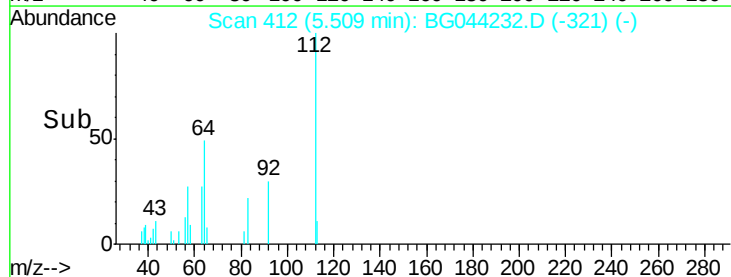
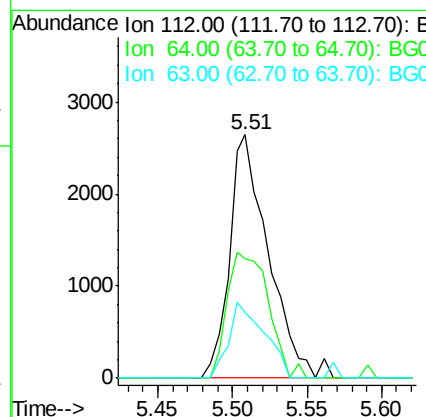
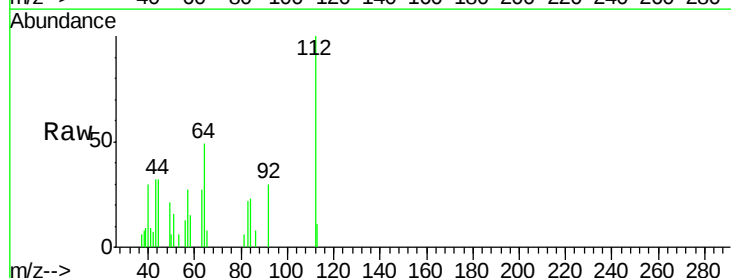
Tot Ion:152 Resp: 86270
Ion Ratio Lower Upper
152 100
150 157.2 127.9 191.9
115 59.0 47.8 71.8

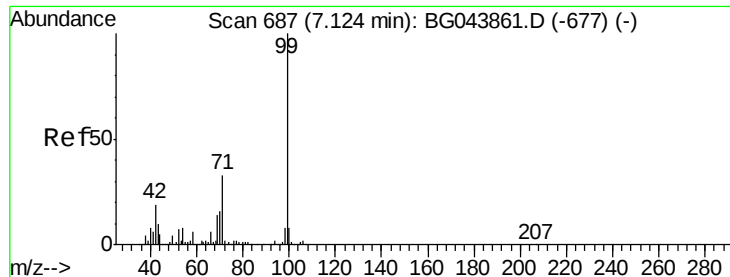


#5

2-Fluorophenol
Concen: 1.024 ng
RT: 5.51 min Scan# 412
Delta R.T. 0.00 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Tgt Ion:112 Resp: 4811
Ion Ratio Lower Upper
112 100
64 49.2 45.5 68.3
63 27.0 23.6 35.4





#7

Phenol-d6

Concen: 22.842 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

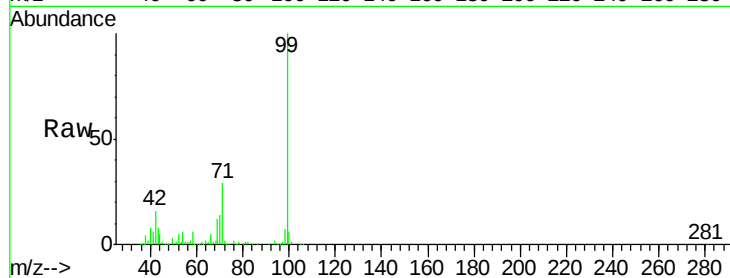
Tot Ion: 99 Resp: 150017

Ion Ratio Lower Upper

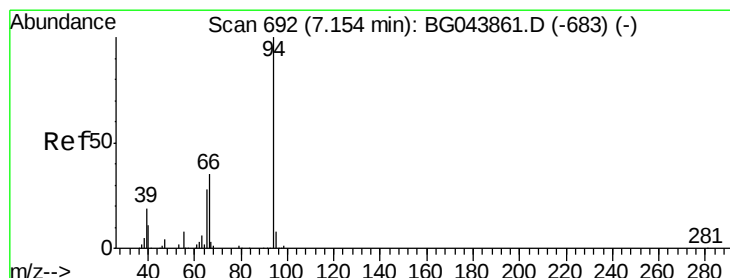
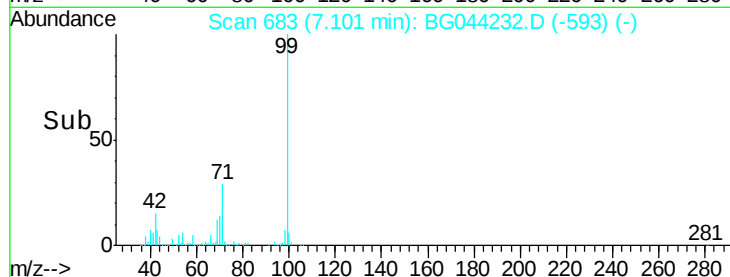
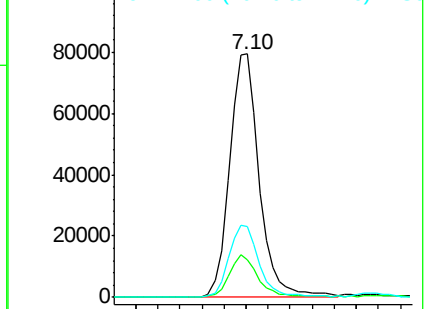
99 100

42 15.6 13.6 20.4

71 29.0 25.0 37.6



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



#10

Phenol

Concen: 3.350 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

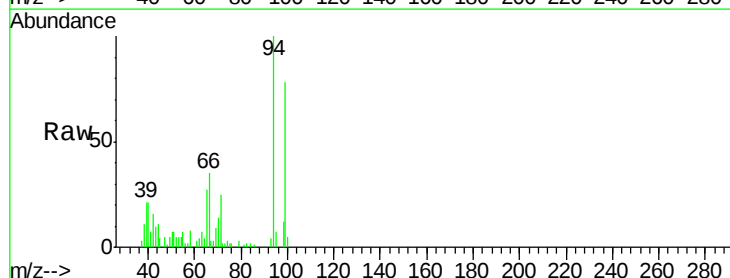
Tgt Ion: 94 Resp: 22666

Ion Ratio Lower Upper

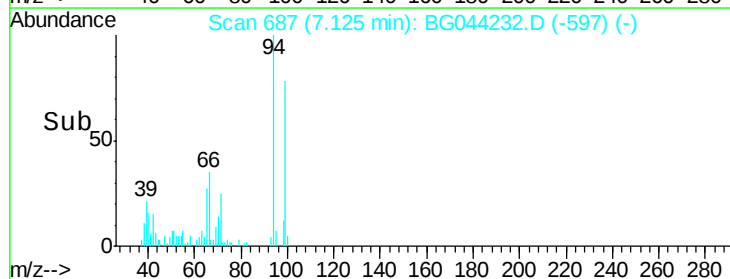
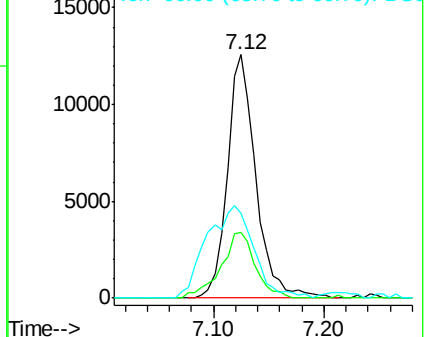
94 100

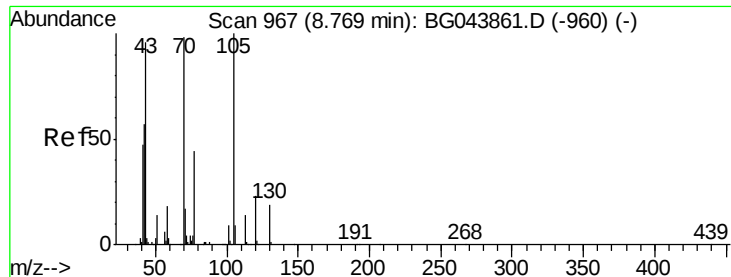
65 26.9 7.5 47.5

66 35.1 14.0 54.0



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

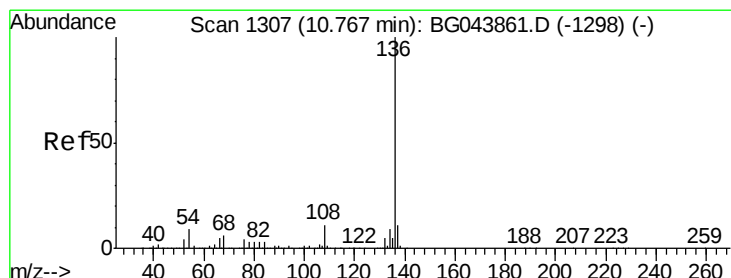
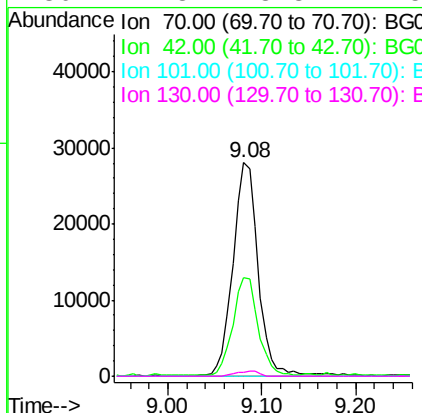
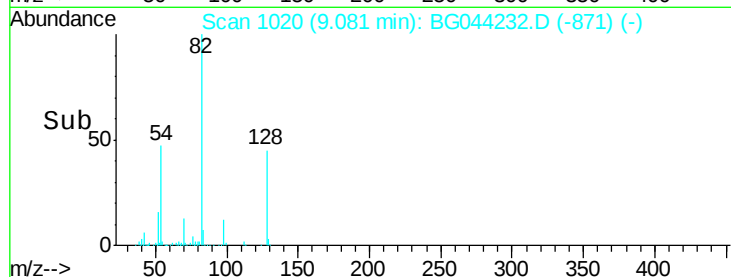
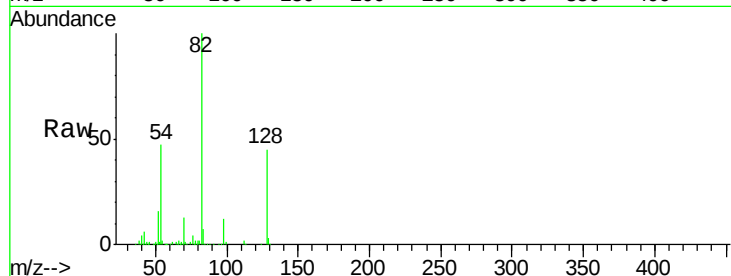




#19
n-Nitroso-di-n-propylamine
Concen: 10.737 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.34 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

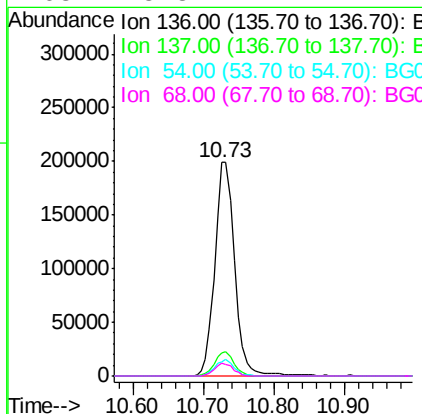
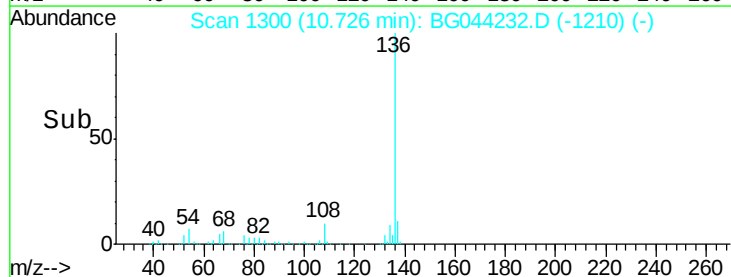
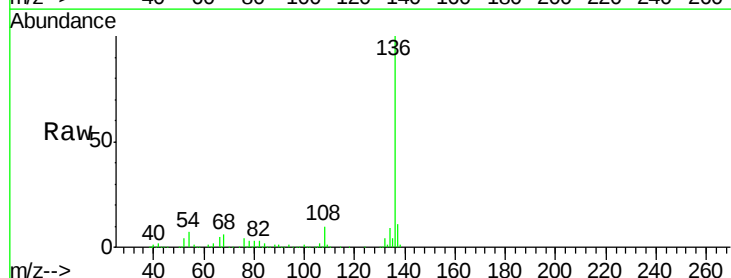
Instrument :
BNA_G
ClientSampleId :

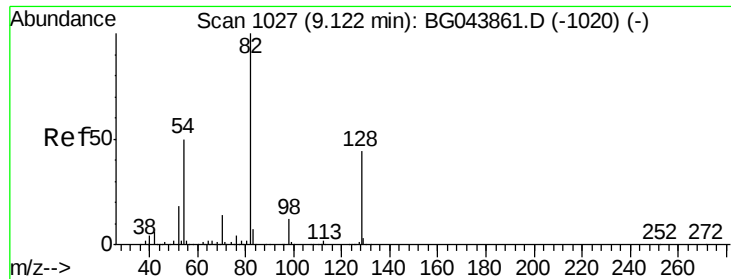
Tot Ion: 70 Resp: 52516
Ion Ratio Lower Upper
70 100
42 46.3 44.9 67.3
101 0.0 7.9 11.9#
130 1.8 18.3 27.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Tgt Ion: 136 Resp: 389774
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.9 6.2 9.4
68 5.8 4.7 7.1

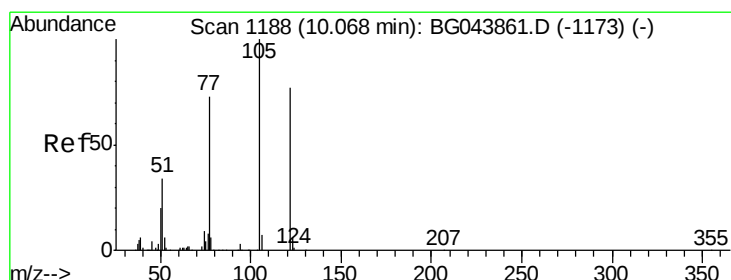
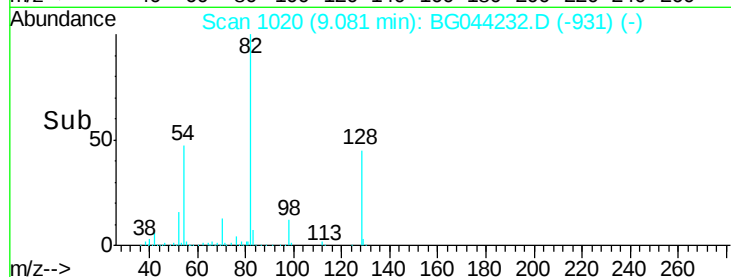
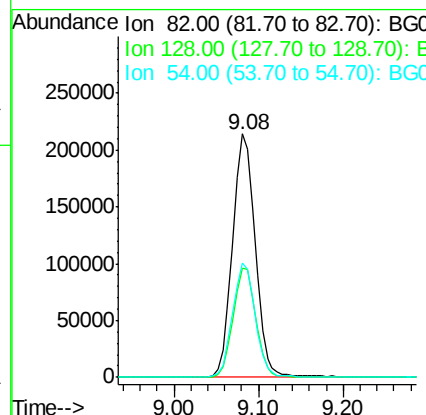
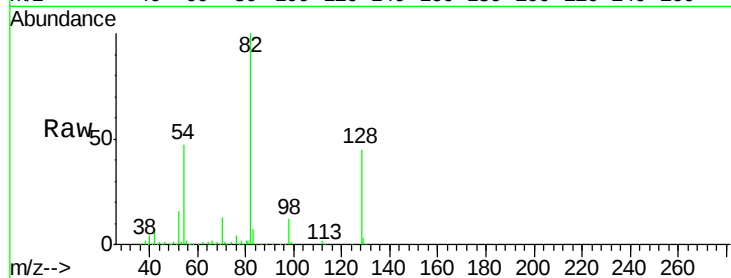




#23
 Nitrobenzene-d5
 Concen: 54.403 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

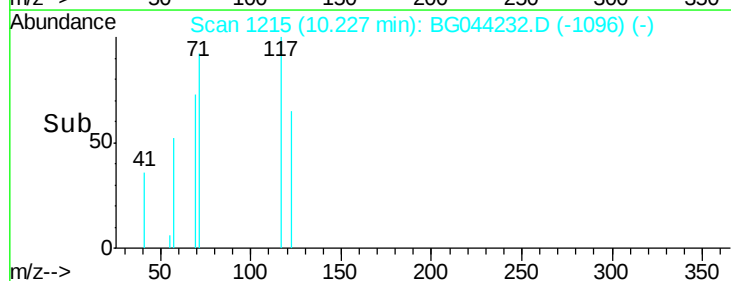
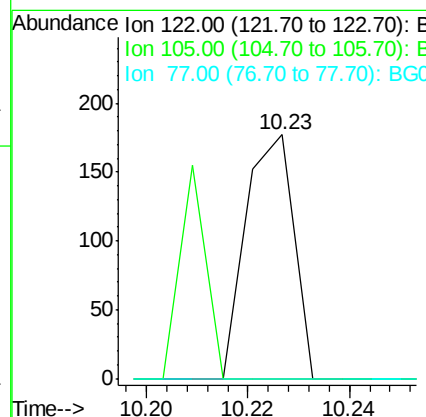
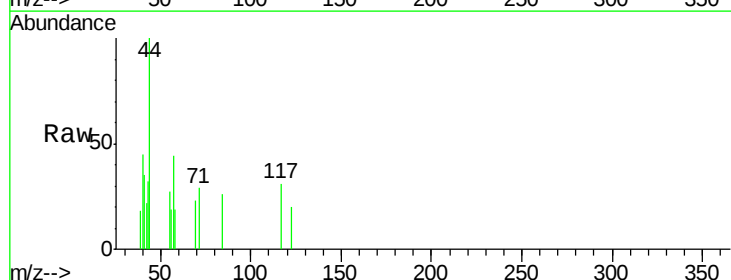
Instrument :
 BNA_G
 ClientSampleId :

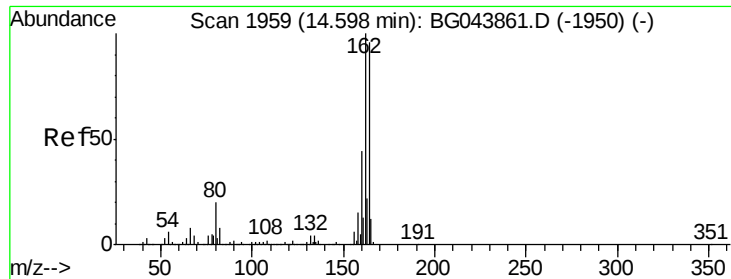
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.5	56.3
54	46.9	38.4	57.6



#32
 Benzoic acid
 Concen: 6.286 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. 0.17 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.6	144.6#
77	0.0	66.4	106.4#

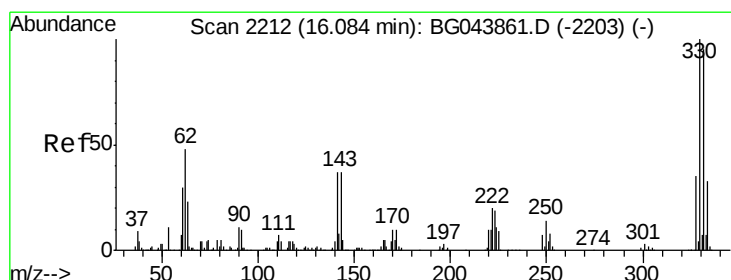
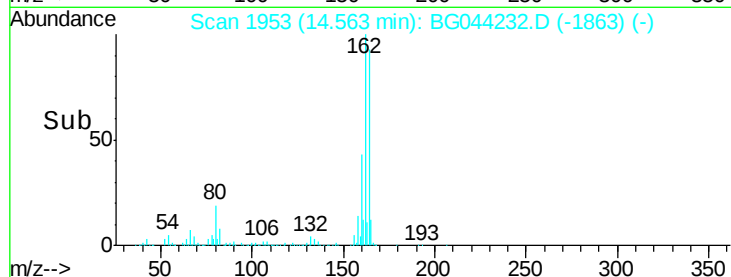
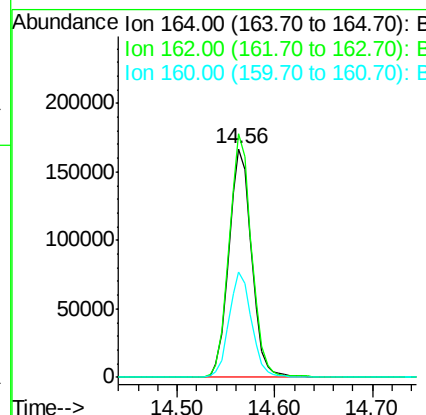
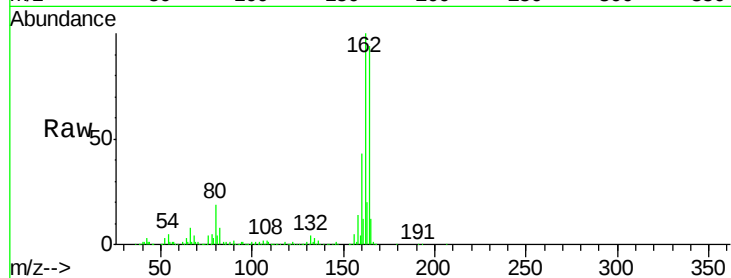




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

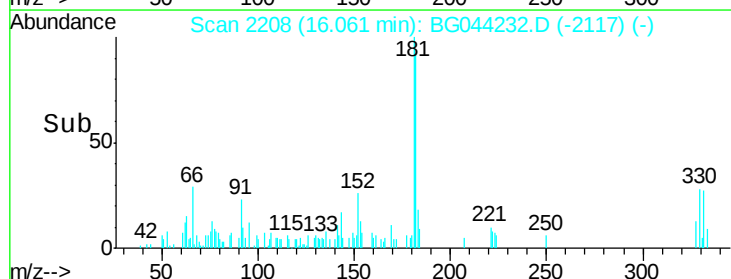
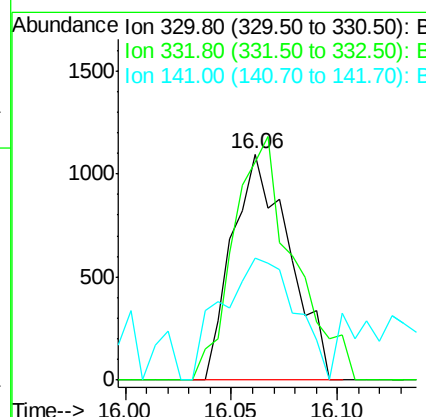
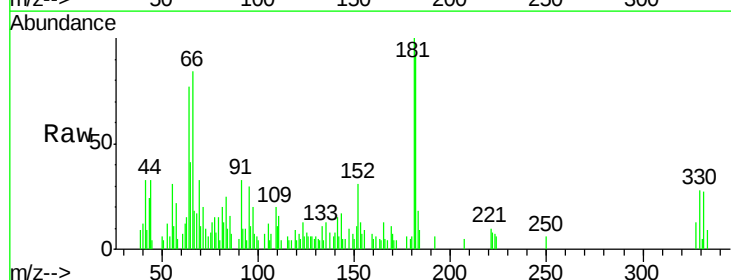
Instrument :
 BNA_G
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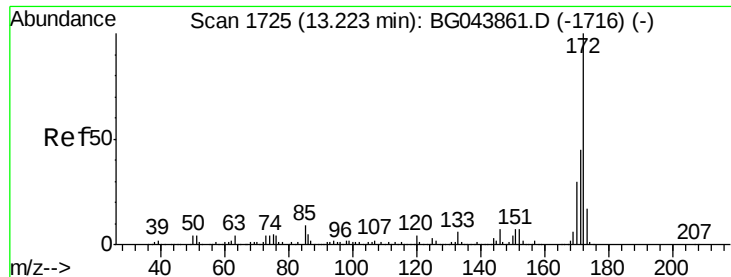
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.6	80.1	120.1
160	46.1	35.5	53.3



#42
 2,4,6-Tribromophenol
 Concen: 0.727 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	113.8	77.0	115.4
141	70.0	28.8	43.2

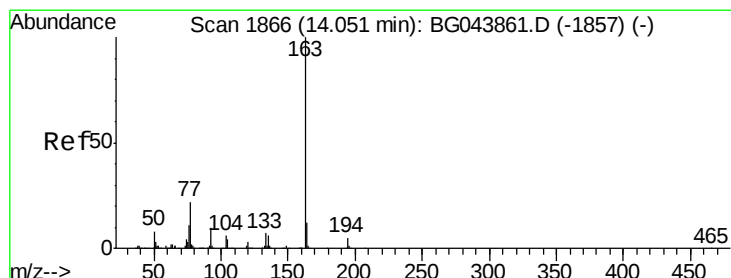
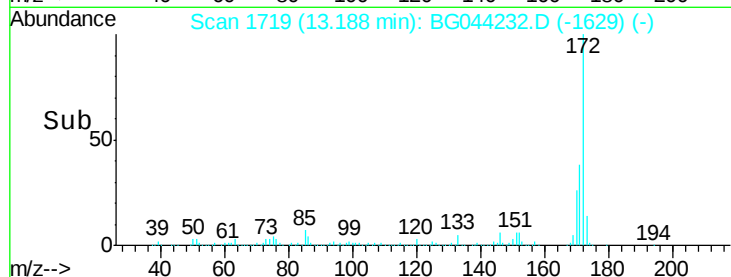
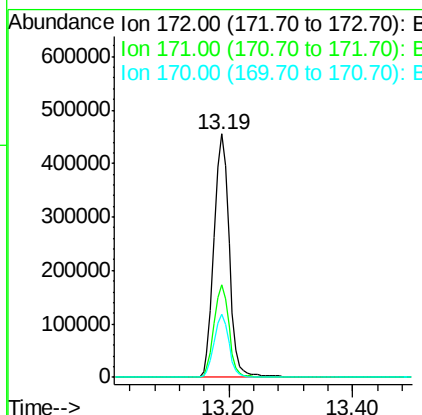
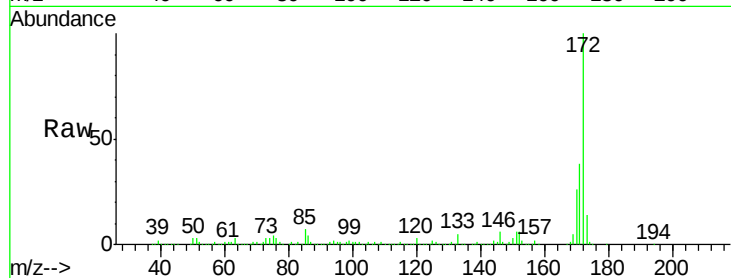




#45
 2-Fluorobiphenyl
 Concen: 52.034 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

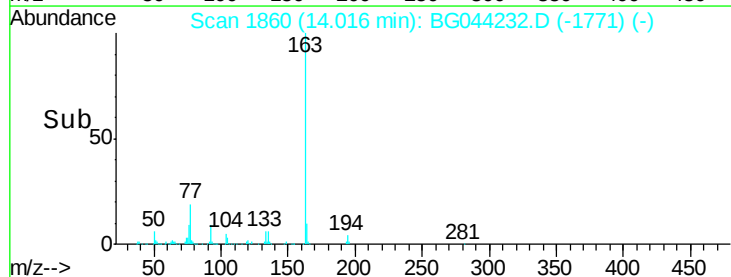
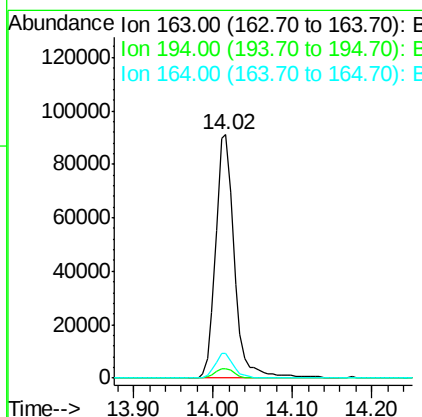
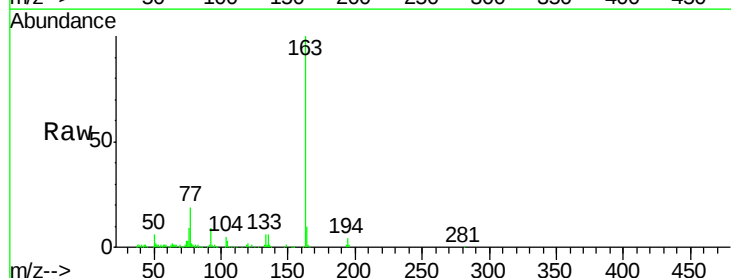
Instrument :
 BNA_G
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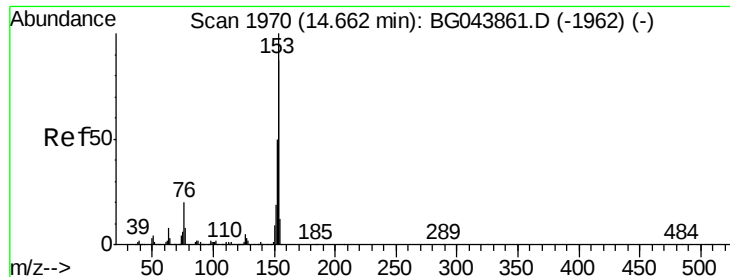
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	32.6	48.8
170	26.2	22.3	33.5



#50
 Dimethylphthalate
 Concen: 7.806 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	10.0	8.6	12.8





#52

Acenaphthene

Concen: 3.003 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

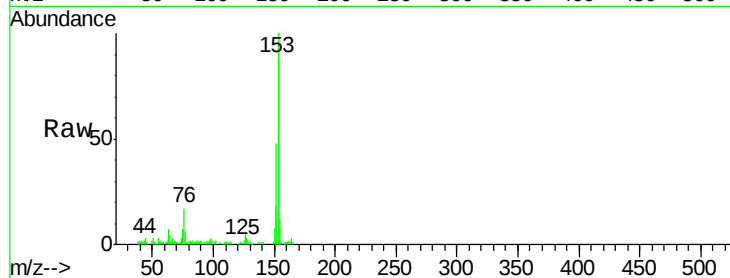
Tot Ion:154 Resp: 47363

Ion Ratio Lower Upper

154 100

153 113.3 87.8 131.8

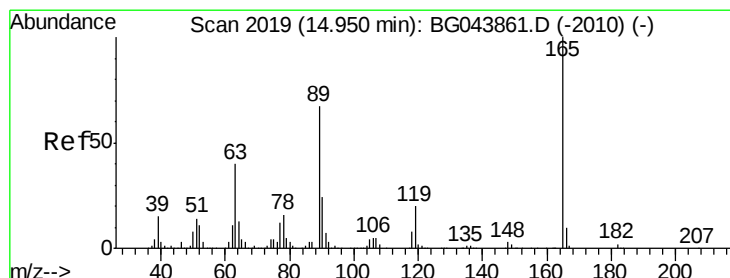
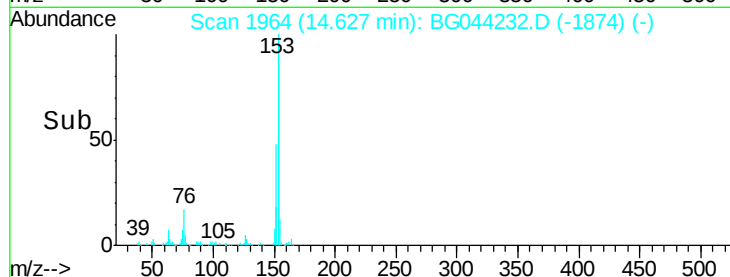
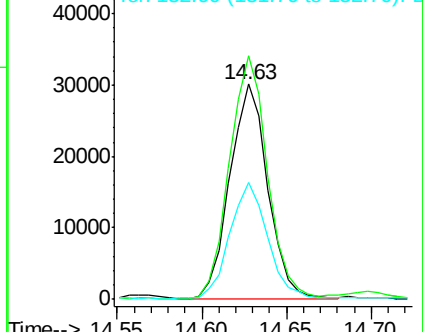
152 54.2 43.3 64.9



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



#57

2,4-Dinitrotoluene

Concen: 6.097 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.36 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Tgt Ion:165 Resp: 35956

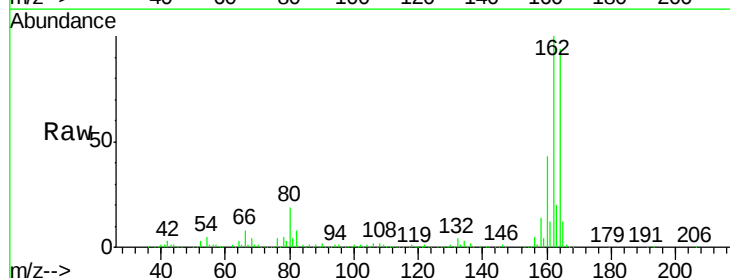
Ion Ratio Lower Upper

165 100

63 1.5 31.0 46.6#

89 1.1 52.8 79.2#

182 0.0 2.1 3.1#

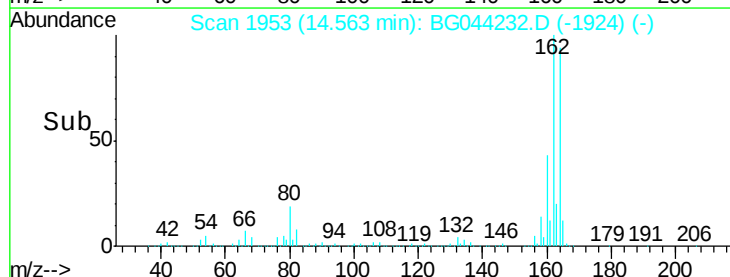
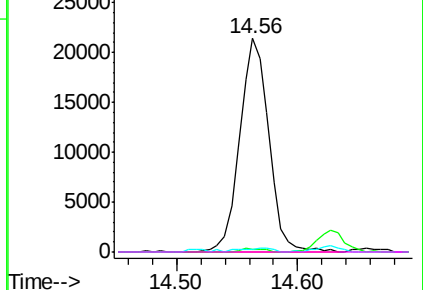


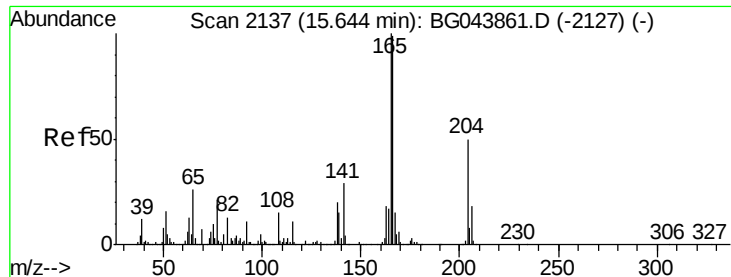
Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.175 ng

RT: 15.61 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

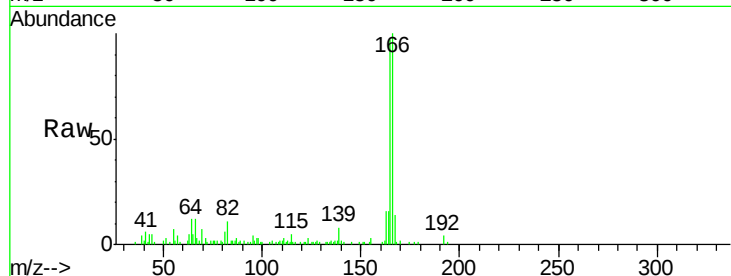
Tot Ion:166 Resp: 37433

Ion Ratio Lower Upper

166 100

165 97.3 79.6 119.4

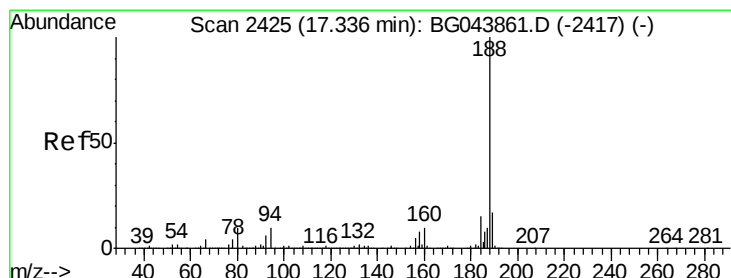
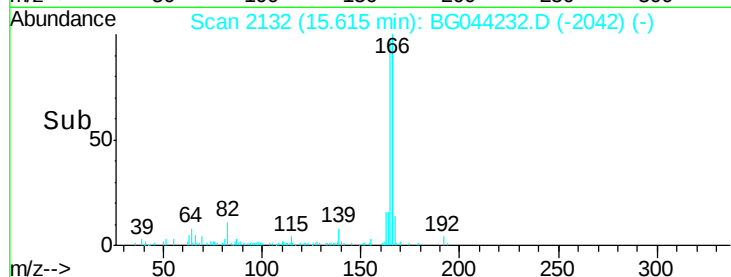
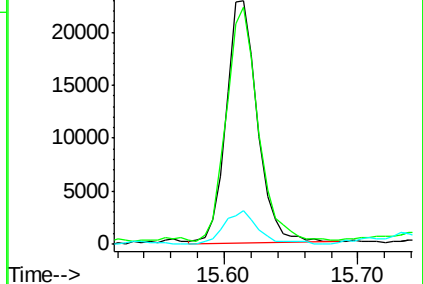
167 14.0 11.8 17.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

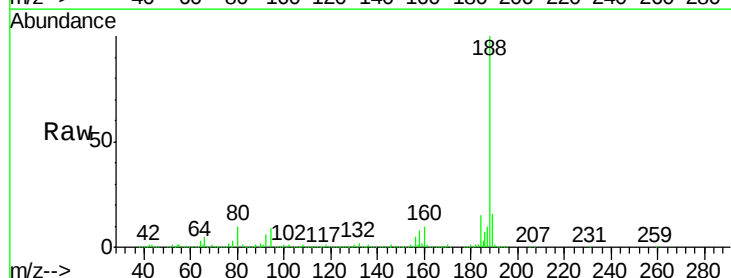
Tgt Ion:188 Resp: 524928

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

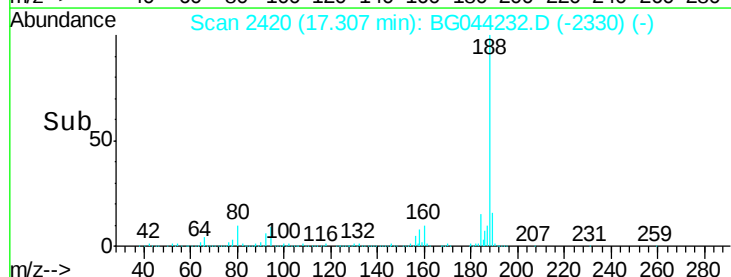
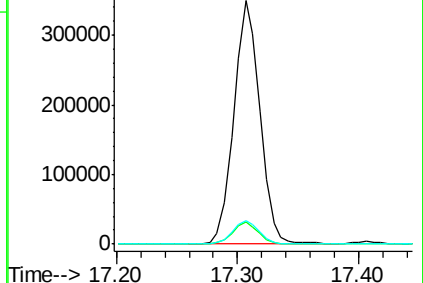
80 9.9 8.1 12.1

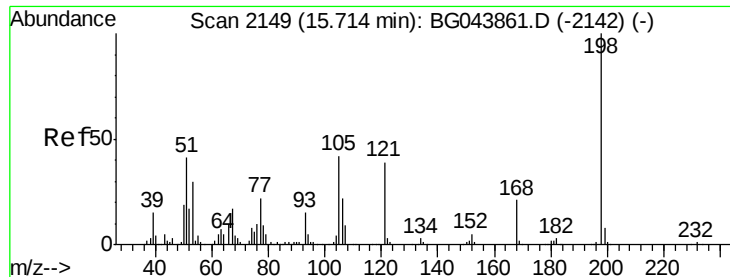


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

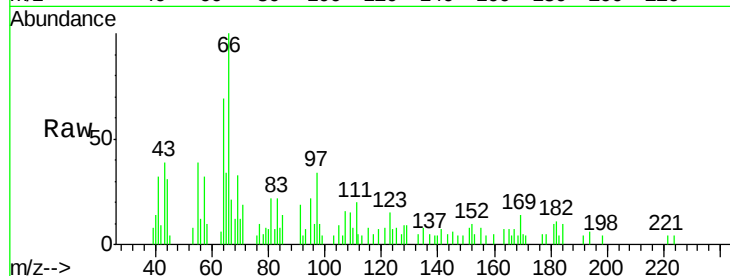




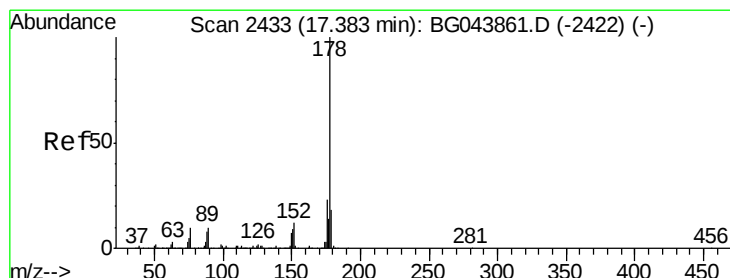
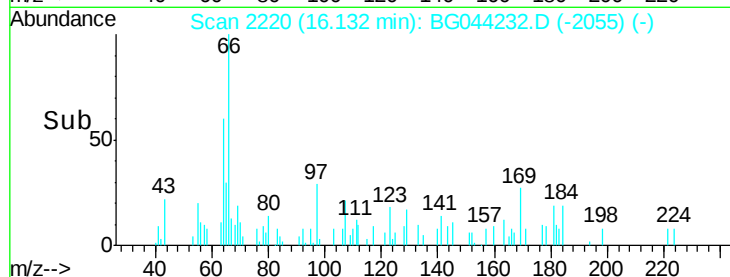
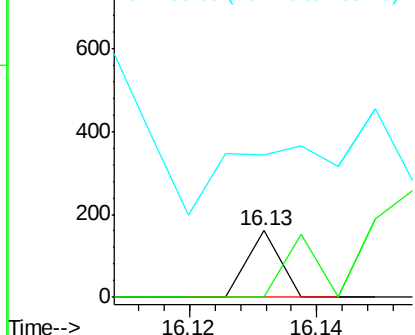
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.409 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.44 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 57
 Ion Ratio Lower Upper
 198 100
 51 0.0 17.6 57.6#
 105 213.0 19.7 59.7#

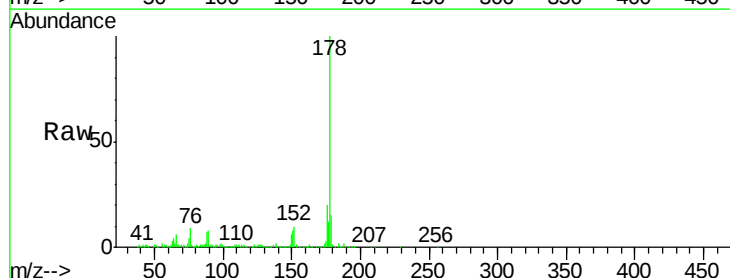


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

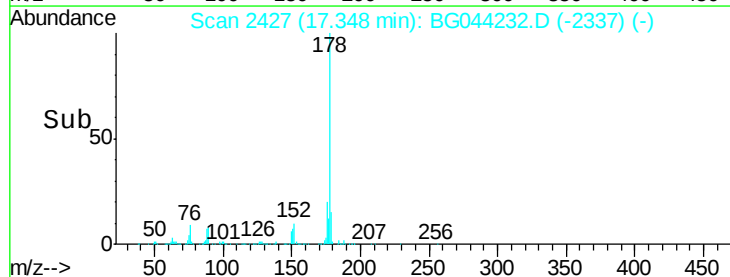
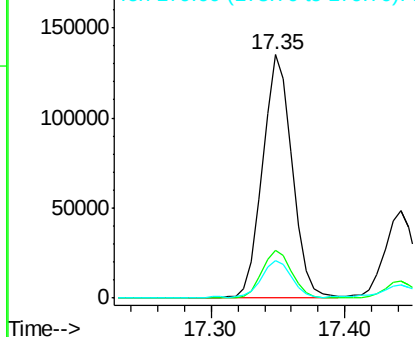


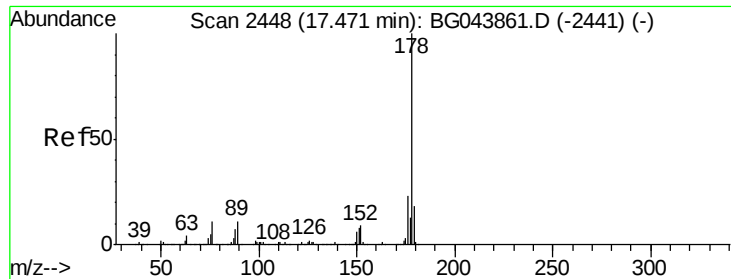
#71
 Phenanthrene
 Concen: 8.199 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Tgt Ion:178 Resp: 206439
 Ion Ratio Lower Upper
 178 100
 176 19.9 17.9 26.9
 179 15.4 13.8 20.6



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

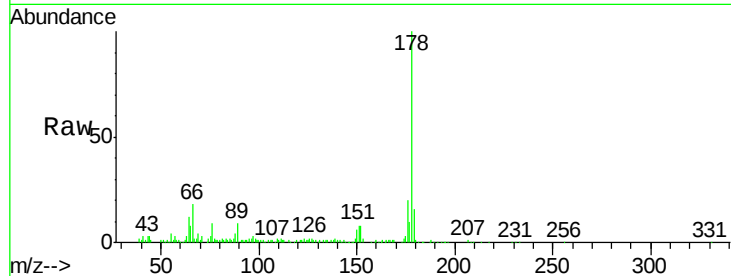




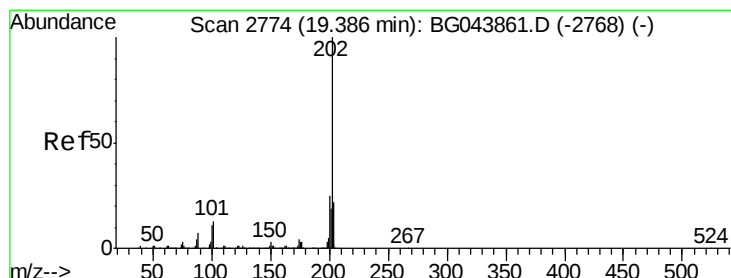
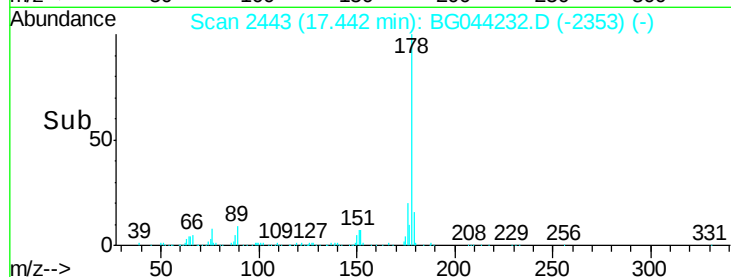
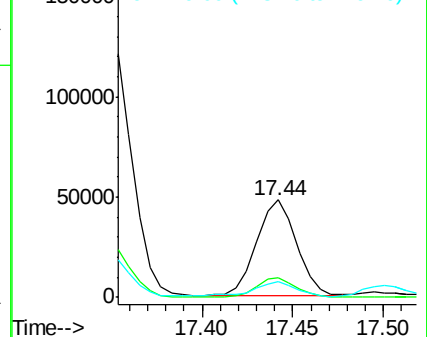
#72
 Anthracene
 Concen: 2.931 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:178 Resp: 72923
 Ion Ratio Lower Upper
 178 100
 176 19.6 17.2 25.8
 179 15.7 14.1 21.1

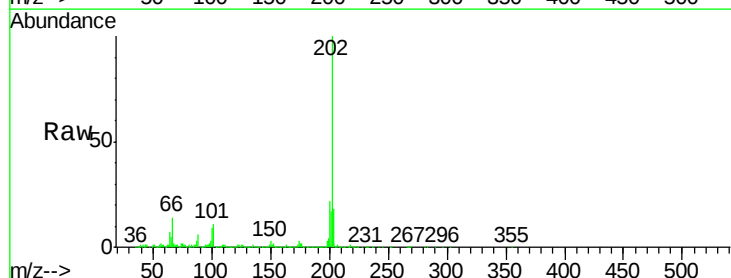


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

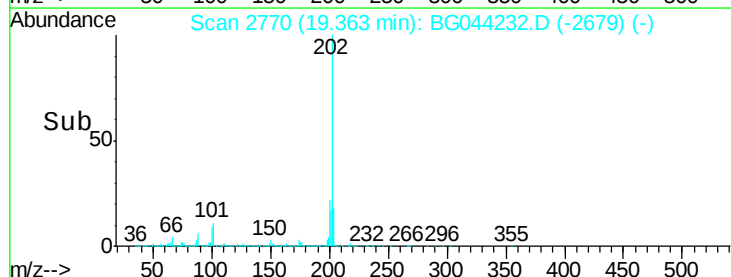
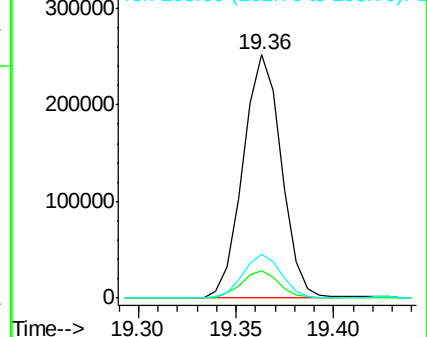


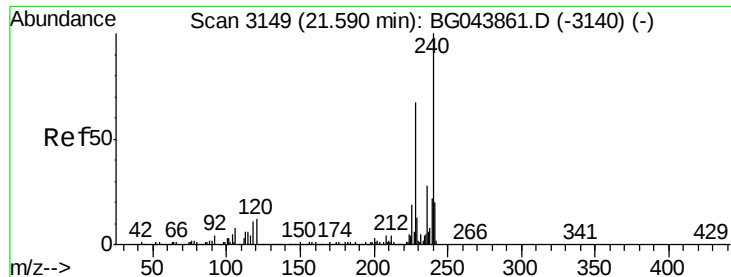
#75
 Fluoranthene
 Concen: 11.917 ng
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG044232.D
 Acq: 28 Jan 2020 16:07

Tgt Ion:202 Resp: 343151
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.9
 203 18.1 0.2 40.2



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: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

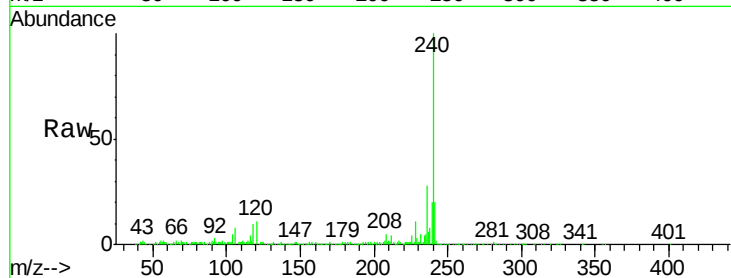
Tot Ion:240 Resp: 452656

Ion Ratio Lower Upper

240 100

120 10.9 8.1 12.1

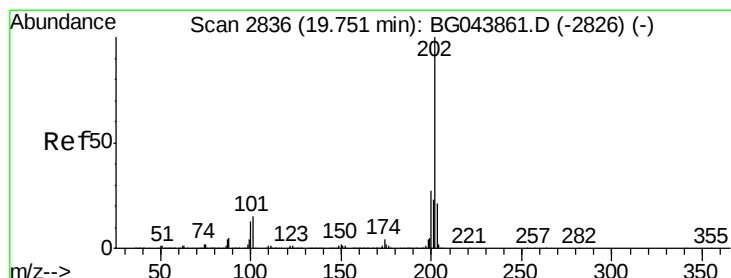
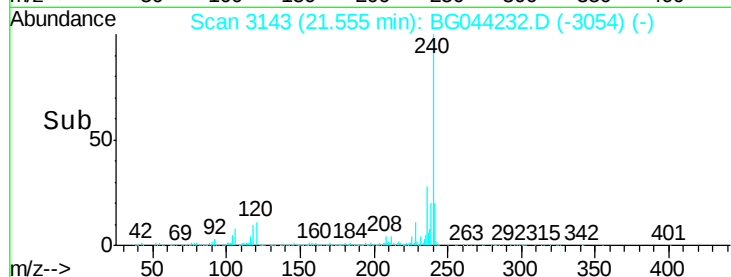
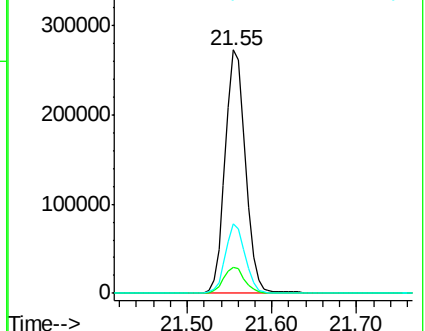
236 28.4 22.5 33.7



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: 9.714 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

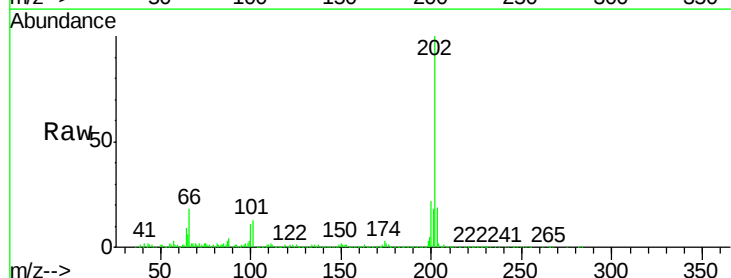
Tgt Ion:202 Resp: 287002

Ion Ratio Lower Upper

202 100

200 21.5 19.9 29.9

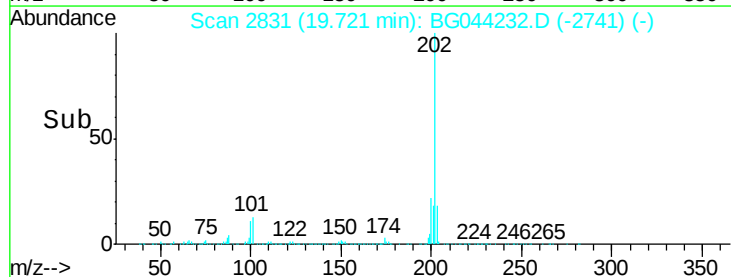
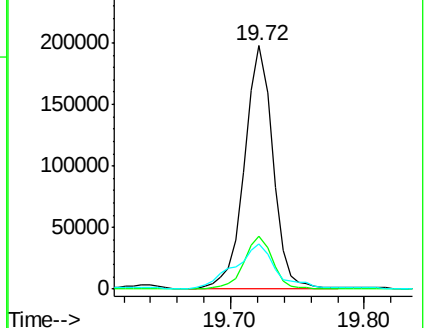
203 18.5 16.3 24.5

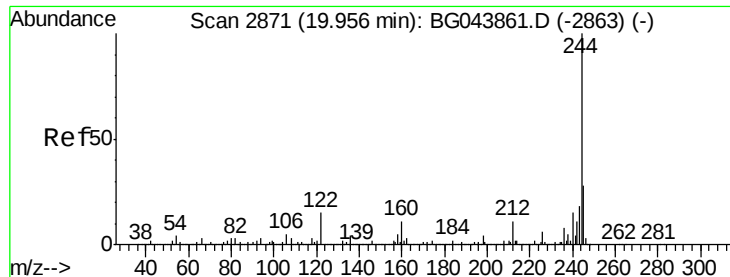


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.112 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

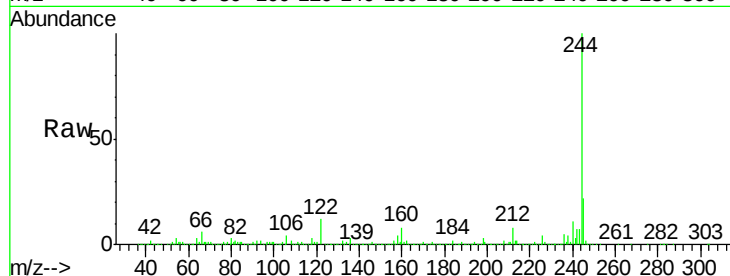
Tot Ion:244 Resp: 1118449

Ion Ratio Lower Upper

244 100

212 8.2 7.5 11.3

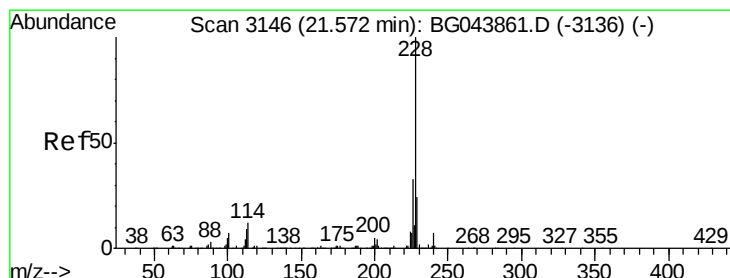
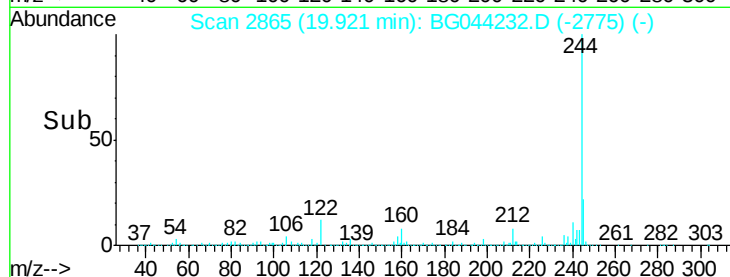
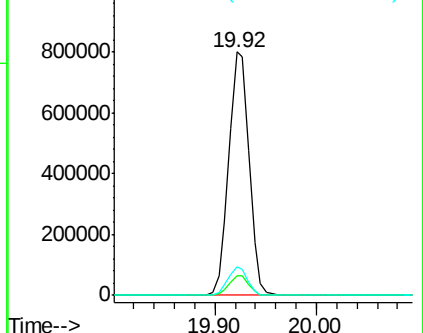
122 11.6 10.6 15.8



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: 5.543 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

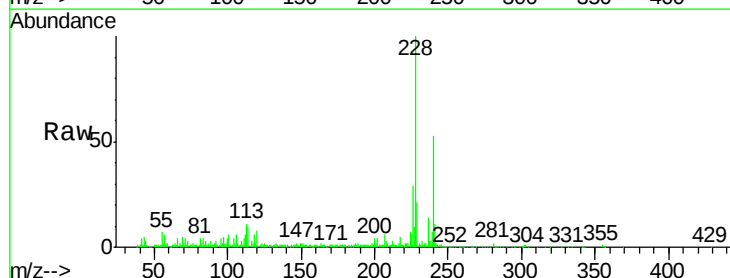
Tgt Ion:228 Resp: 155579

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

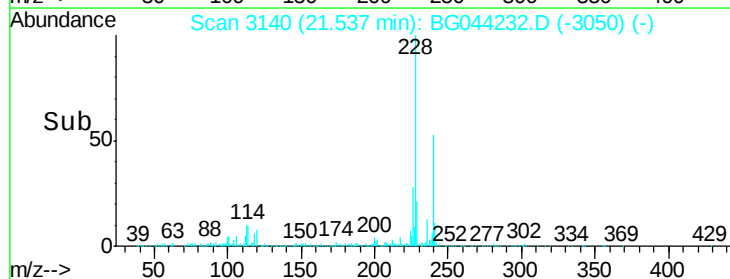
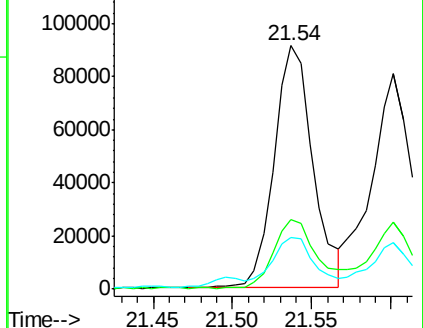
229 21.4 18.3 27.5

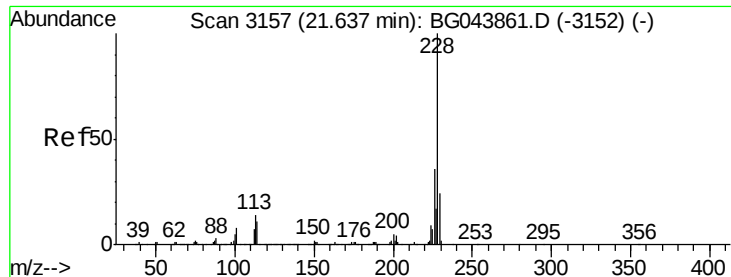


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.261 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

Instrument :

BNA_G

ClientSampleId :

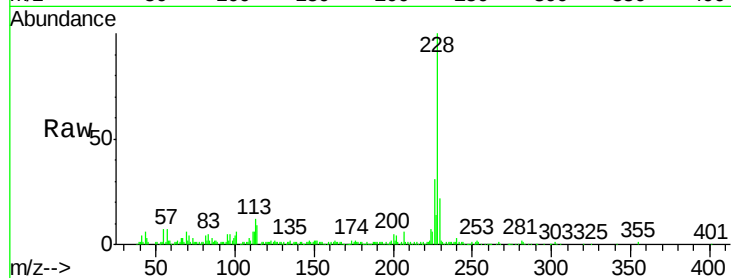
Tot Ion:228 Resp: 140312

Ion Ratio Lower Upper

228 100

226 31.2 27.6 41.4

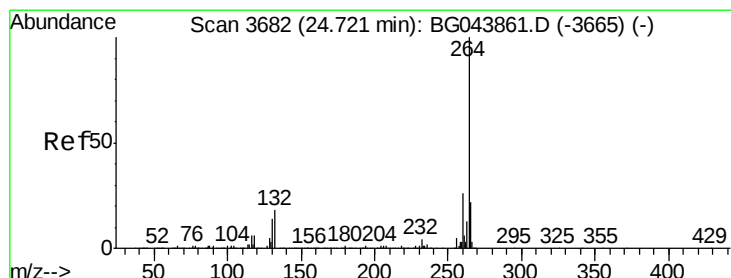
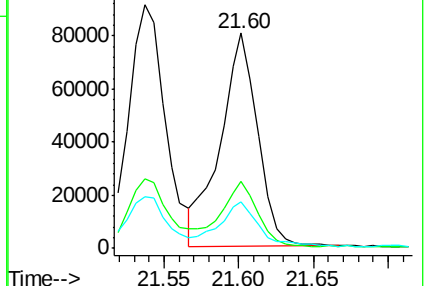
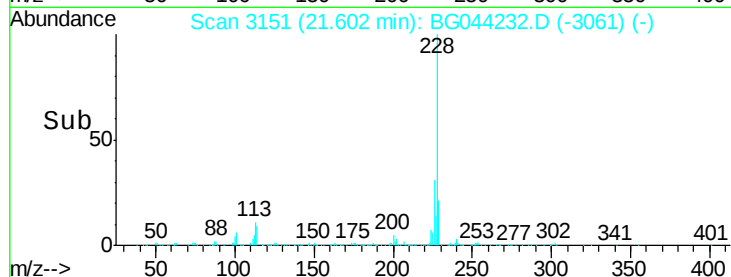
229 21.8 17.8 26.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3673

Delta R.T. 0.00 min

Lab File: BG044232.D

Acq: 28 Jan 2020 16:07

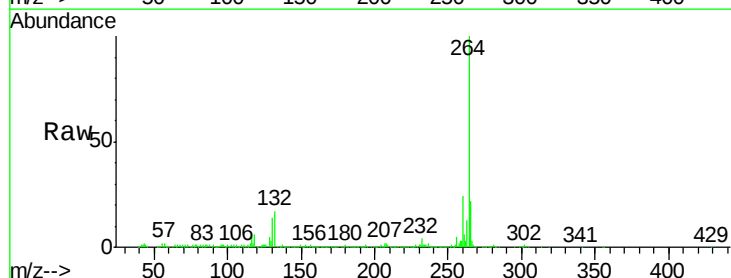
Tgt Ion:264 Resp: 526341

Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

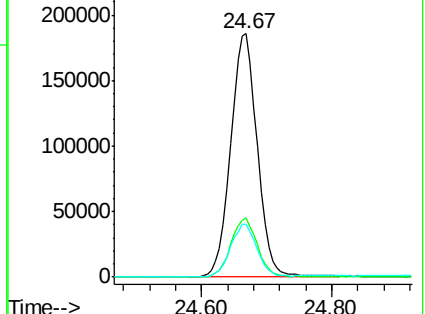
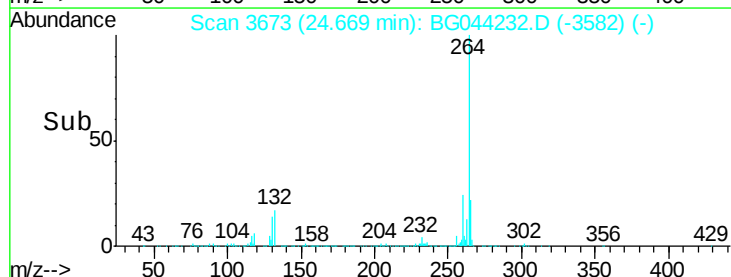
265 21.9 17.4 26.2

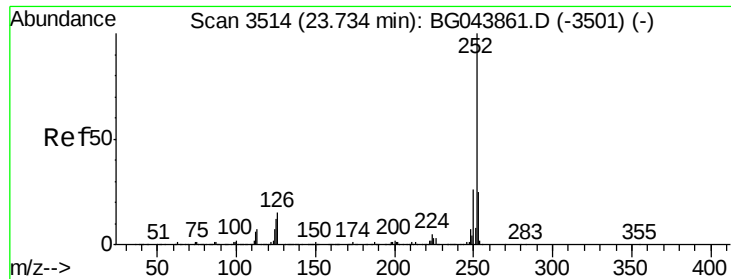


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

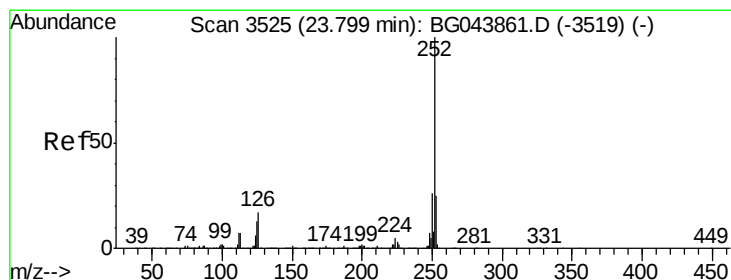
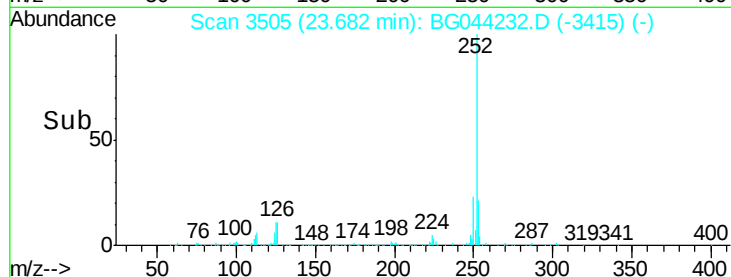
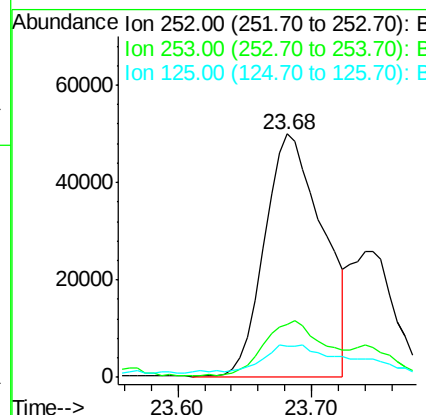
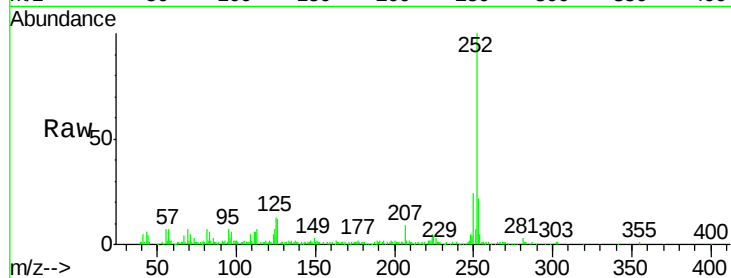




#88
Benzo(b)fluoranthene
Concen: 4.822 ng
RT: 23.68 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

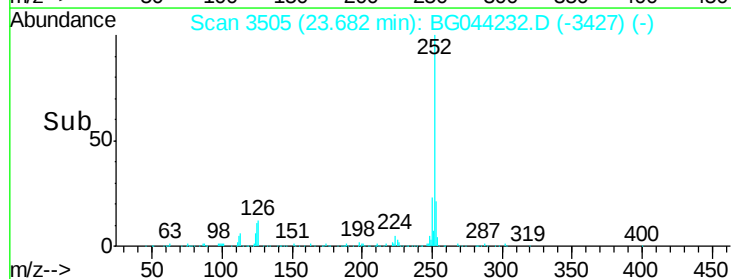
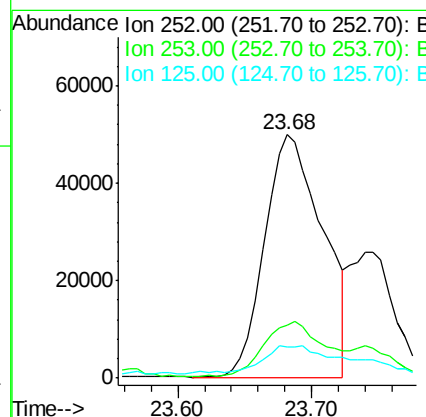
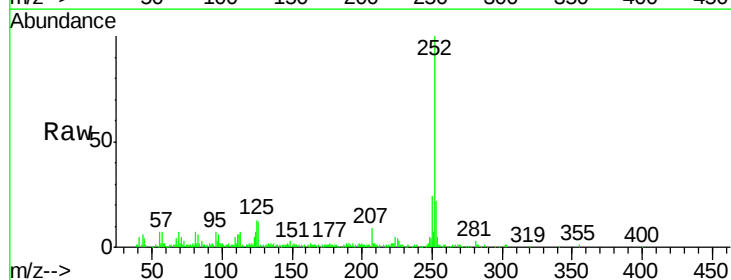
Instrument :
BNA_G
ClientSampleId :

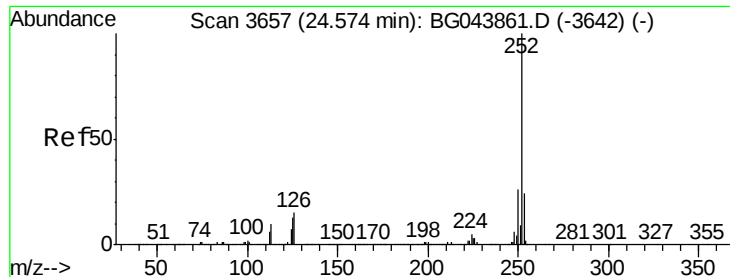
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.2	28.8
125	12.6	8.8	13.2



#89
Benzo(k)fluoranthene
Concen: 5.071 ng
RT: 23.68 min Scan# 3505
Delta R.T. -0.07 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.6	29.4
125	12.6	8.6	12.8

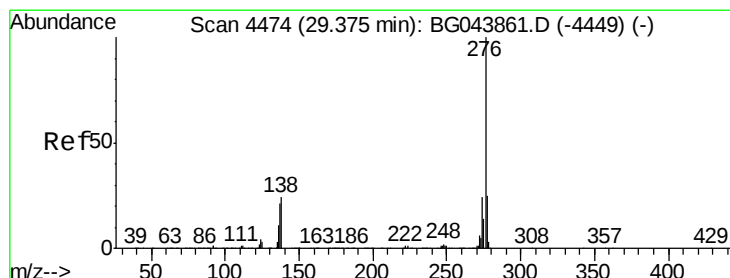
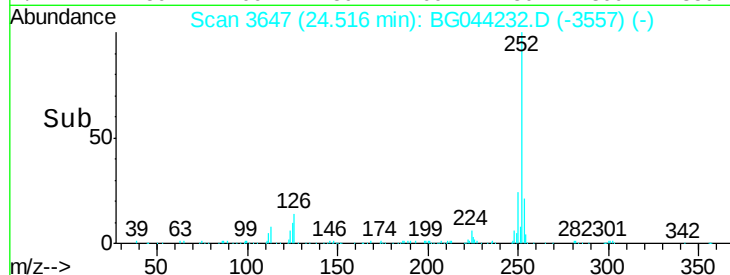
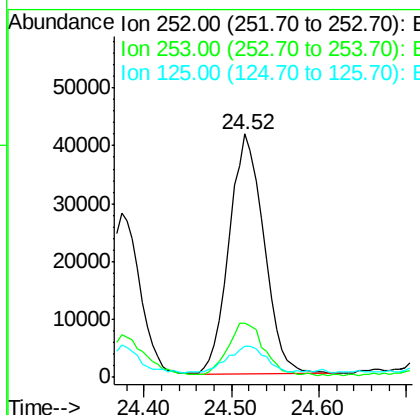
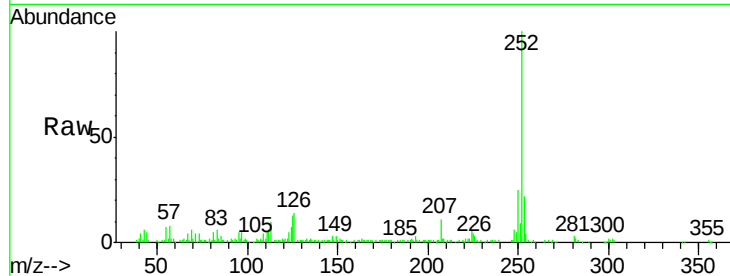




#90
Benzo(a)pyrene
Concen: 3.826 ng
RT: 24.52 min Scan# 3647
Delta R.T. -0.00 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 112358
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 12.6 8.9 13.3



#92
Benzo(g,h,i)perylene
Concen: 2.143 ng
RT: 29.28 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BG044232.D
Acq: 28 Jan 2020 16:07

Tgt Ion:276 Resp: 62797
Ion Ratio Lower Upper
276 100
277 22.3 19.6 29.4
138 23.3 16.7 25.1

