

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060118.D
 Acq On : 21 Dec 2023 3:58
 Operator : MA/JU
 Sample : 05831-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20017

Quant Time: Dec 21 04:32:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

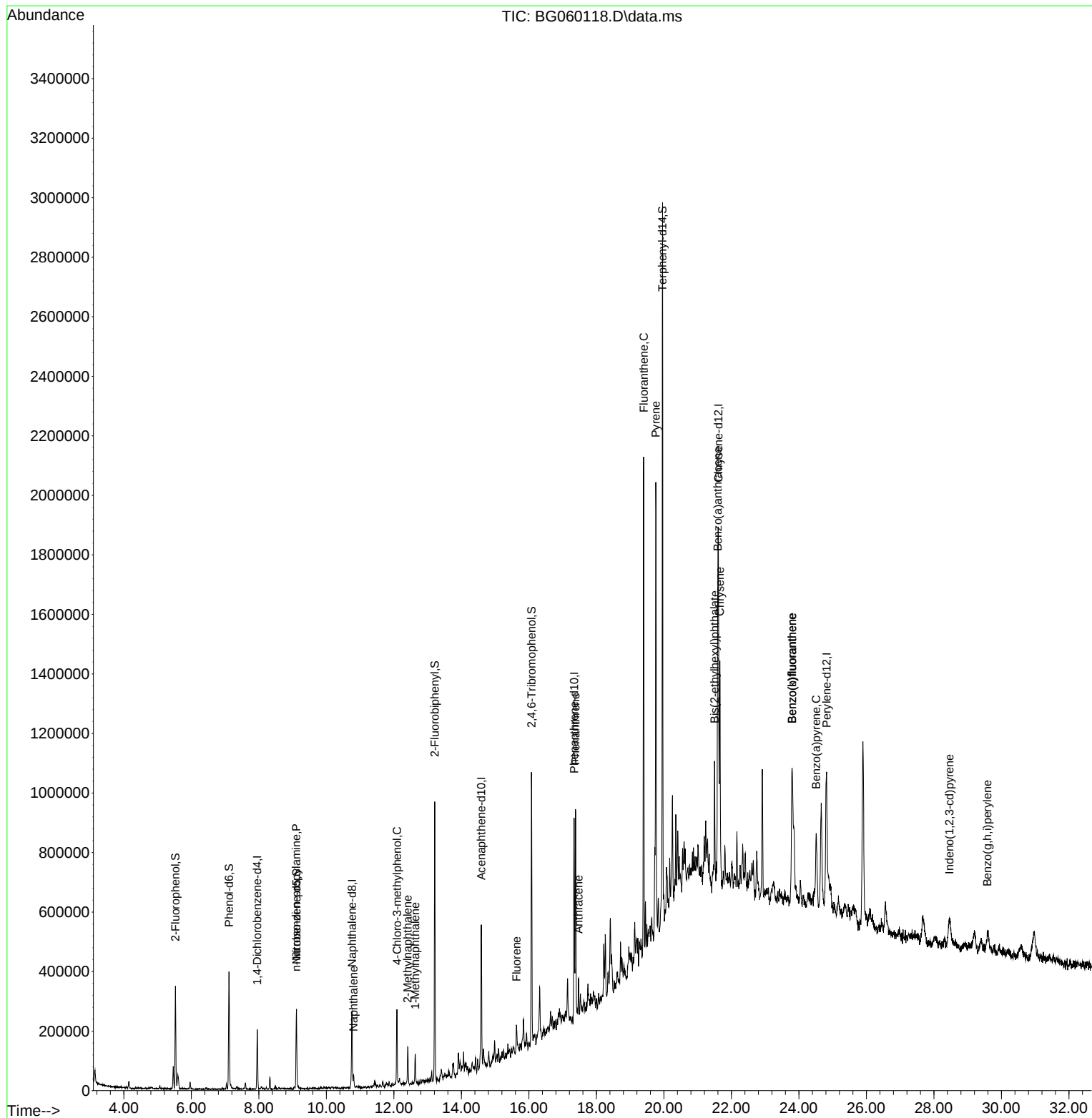
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	50516	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	179594	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	165441	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	479260	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	618620	20.000	ng	# 0.00
86) Perylene-d12	24.818	264	704281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	111999	37.953	ng	0.00
7) Phenol-d6	7.116	99	173155	41.714	ng	0.00
23) Nitrobenzene-d5	9.113	82	147728	37.351	ng	0.00
42) 2,4,6-Tribromophenol	16.076	330	230024	59.661	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	503725	37.264	ng	0.00
79) Terphenyl-d14	19.959	244	1306733	38.565	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.107	70	23113	8.630	ng	# 75
31) Naphthalene	10.800	128	24443	2.614	ng	# 92
36) 4-Chloro-3-methylphenol	12.092	107	69525	21.027	ng	# 21
37) 2-Methylnaphthalene	12.409	142	53504	7.297	ng	# 93
38) 1-Methylnaphthalene	12.633	142	36272	5.008	ng	# 94
58) Fluorene	15.635	166	37047	2.698	ng	93
69) Atrazine	16.769	200	999	Below Cal		# 66
71) Phenanthrene	17.380	178	487709	21.009	ng	97
72) Anthracene	17.474	178	93557	4.008	ng	97
75) Fluoranthene	19.401	202	1183299	34.931	ng	97
78) Pyrene	19.760	202	1101252	29.367	ng	99
81) Benzo(a)anthracene	21.593	228	594415	14.304	ng	97
83) Chrysene	21.657	228	603909	15.340	ng	98
84) Bis(2-ethylhexyl)phtha...	21.505	149	142331	13.943	ng	# 96
87) Indeno(1,2,3-cd)pyrene	28.455	276	219510	4.367	ng	# 73
88) Benzo(b)fluoranthene	23.796	252	684778	15.743	ng	# 96
89) Benzo(k)fluoranthene	23.796	252	684778	16.231	ng	# 96
90) Benzo(a)pyrene	24.513	252	344034	8.928	ng	93
92) Benzo(g,h,i)perylene	29.583	276	202146	4.835	ng	# 95

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

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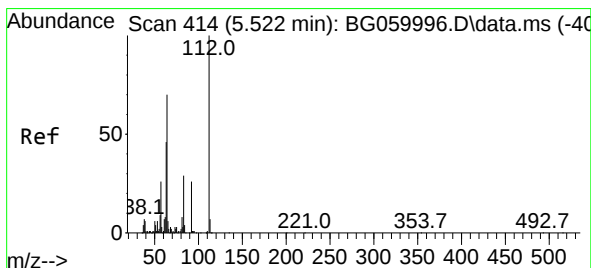
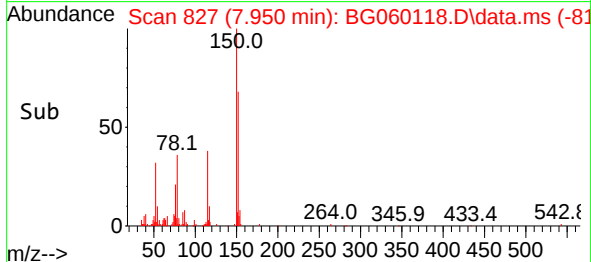
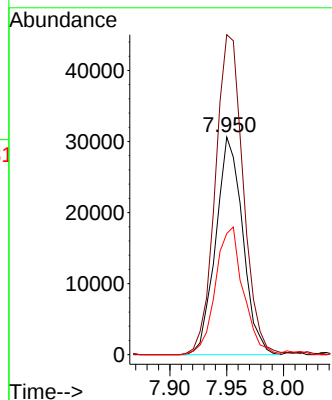
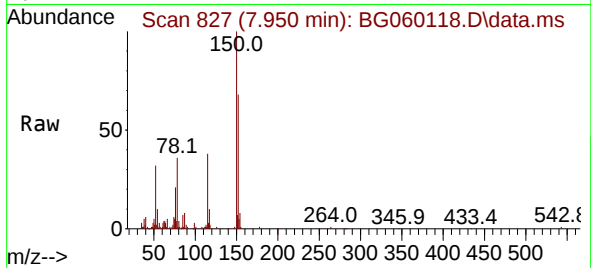




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

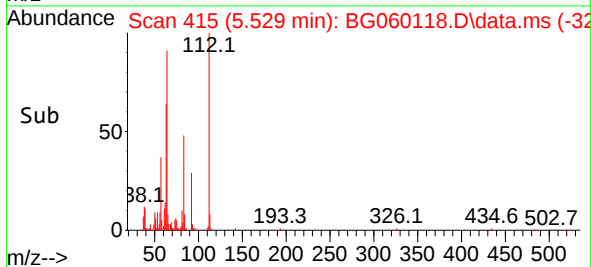
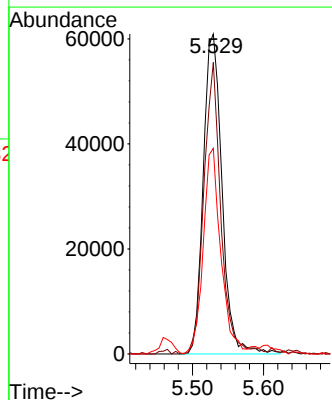
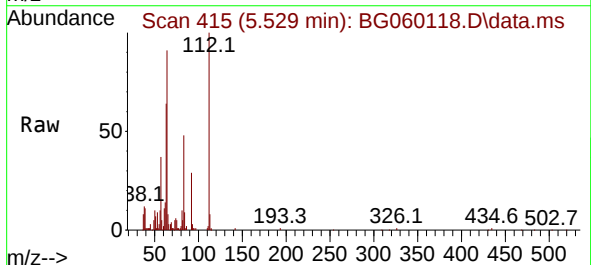
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

Tgt Ion:152 Resp: 50516
Ion Ratio Lower Upper
152 100
150 147.0 127.0 190.6
115 55.7 45.7 68.5



#5
2-Fluorophenol
Concen: 37.953 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:112 Resp: 111999
Ion Ratio Lower Upper
112 100
64 91.1 55.9 83.9#
63 64.3 36.5 54.7#

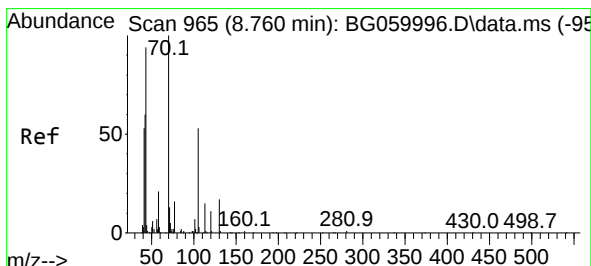
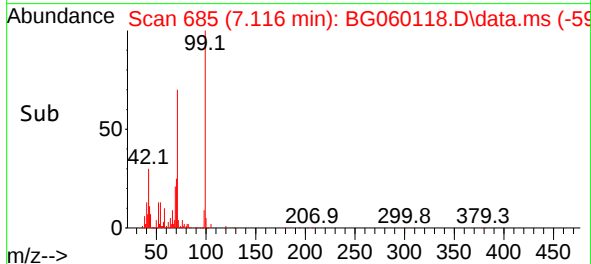
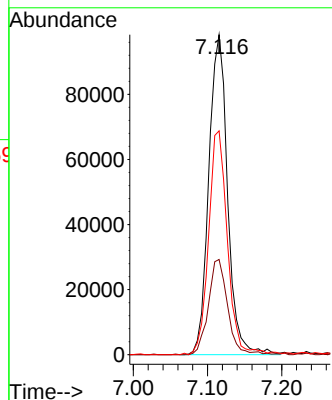
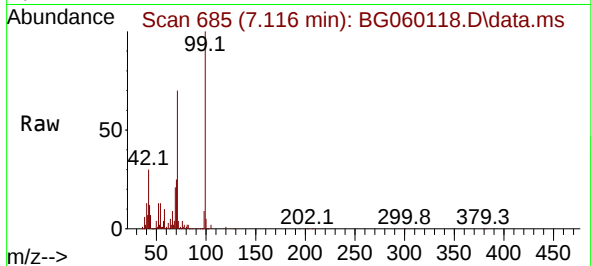




#7
Phenol-d6
Concen: 41.714 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

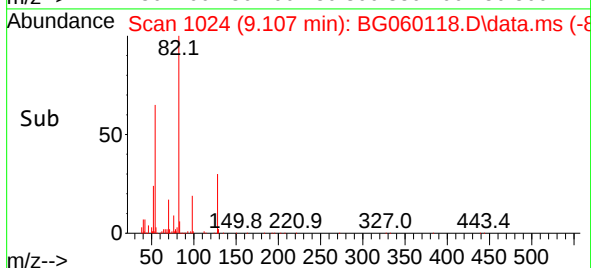
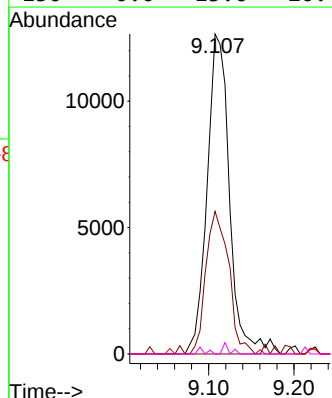
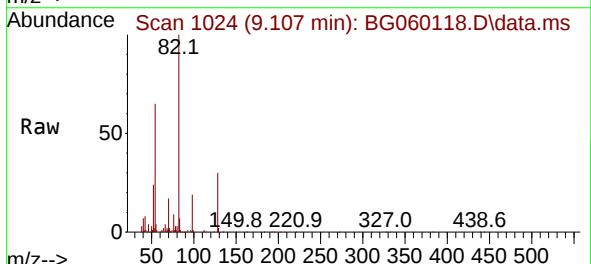
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

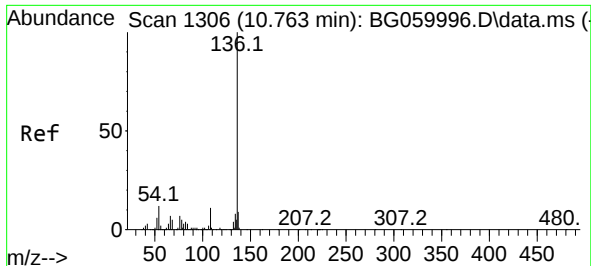
Tgt Ion: 99 Resp: 173155
Ion Ratio Lower Upper
99 100
42 29.8 16.2 24.4#
71 70.0 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 8.630 ng
RT: 9.107 min Scan# 1024
Delta R.T. 0.344 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion: 70 Resp: 23113
Ion Ratio Lower Upper
70 100
42 44.5 48.6 73.0#
101 0.0 5.7 8.5#
130 0.0 13.6 20.4#

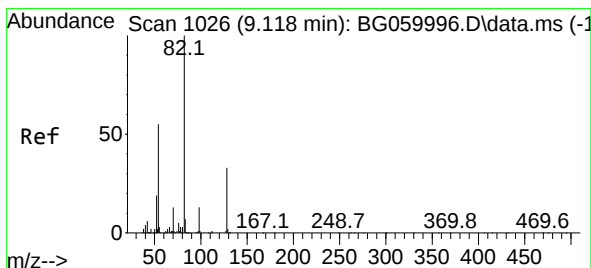
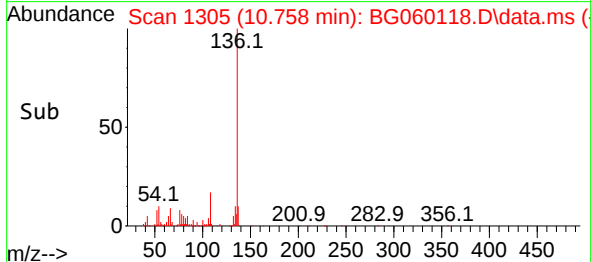
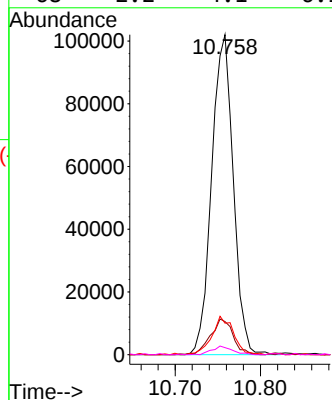
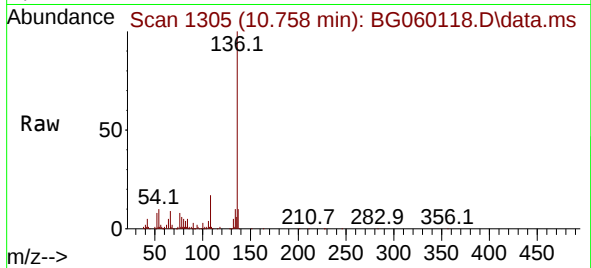




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

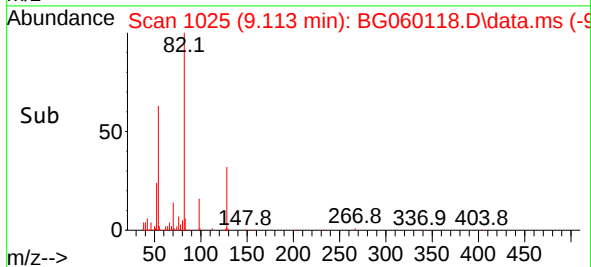
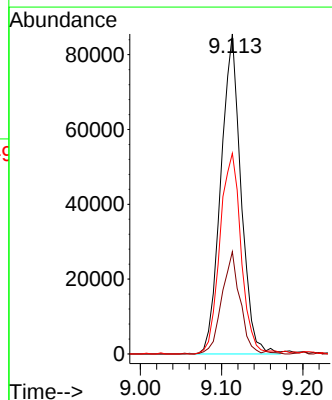
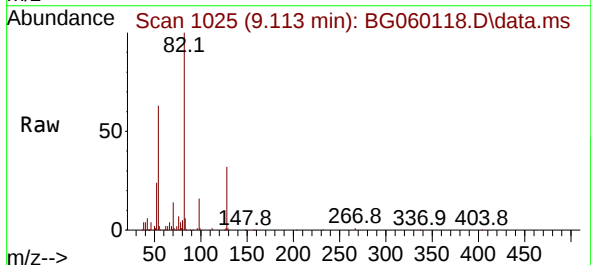
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

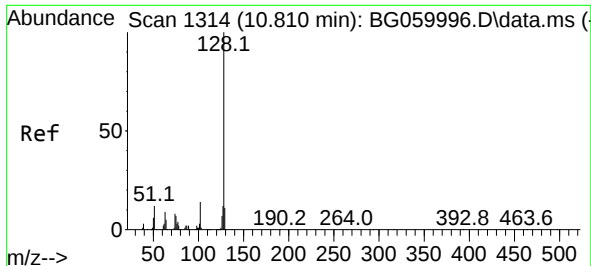
Tgt Ion:	136	Resp:	179594
Ion Ratio	Lower	Upper	
136	100		
137	10.3	7.3	10.9
54	9.9	9.6	14.4
68	2.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 37.351 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:	82	Resp:	147728
Ion Ratio	Lower	Upper	
82	100		
128	31.9	26.3	39.5
54	62.7	44.3	66.5

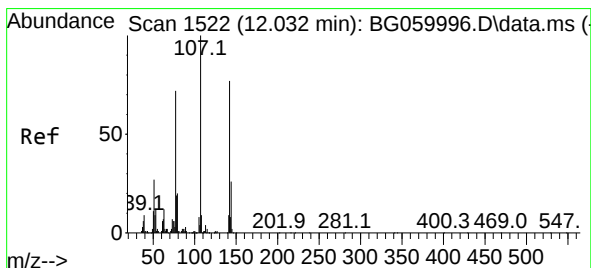
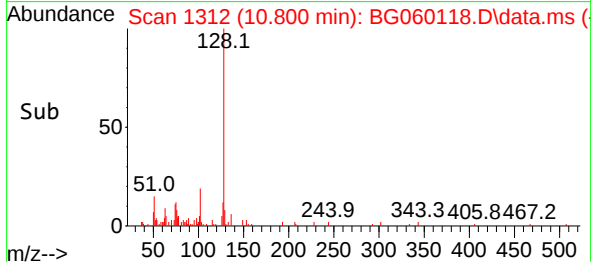
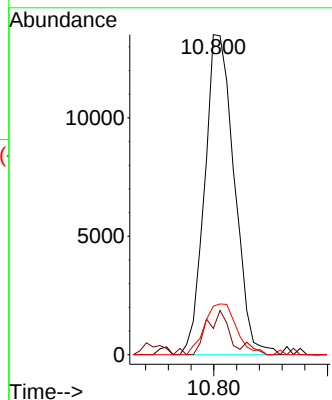
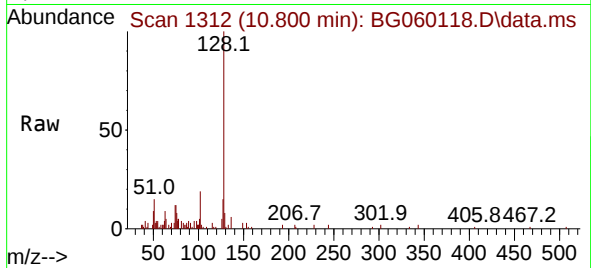




#31
Naphthalene
Concen: 2.614 ng
RT: 10.800 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

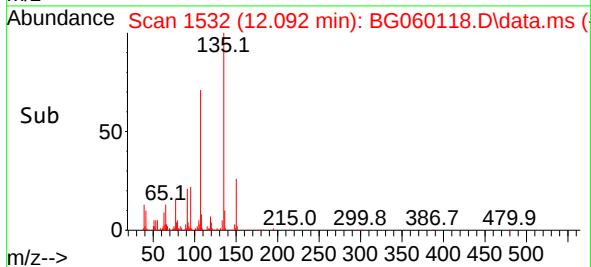
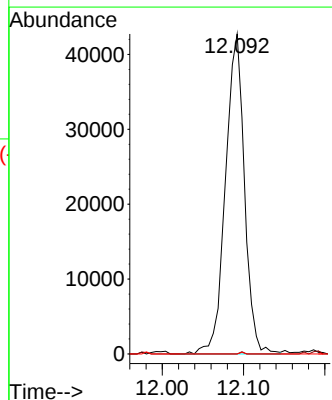
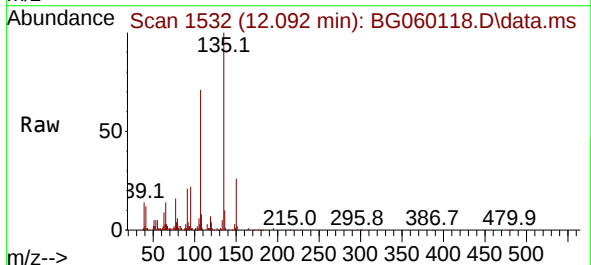
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

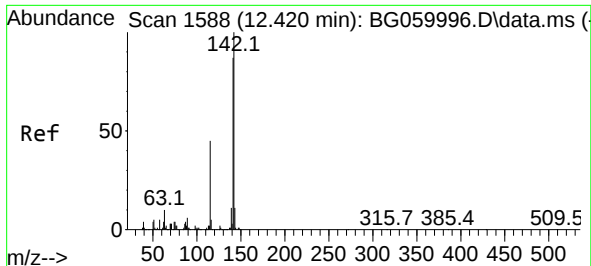
Tgt Ion:128 Resp: 24443
Ion Ratio Lower Upper
128 100
129 8.2 9.2 13.8#
127 15.1 9.7 14.5#



#36
4-Chloro-3-methylphenol
Concen: 21.027 ng
RT: 12.092 min Scan# 1532
Delta R.T. 0.056 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:107 Resp: 69525
Ion Ratio Lower Upper
107 100
144 0.0 20.4 30.6#
142 0.0 61.4 92.0#

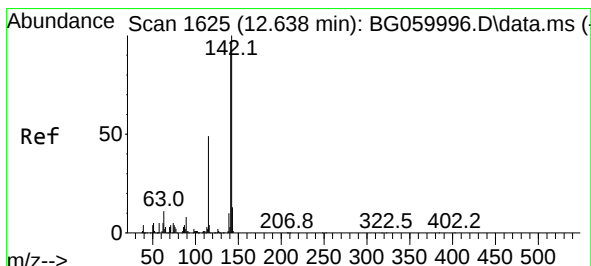
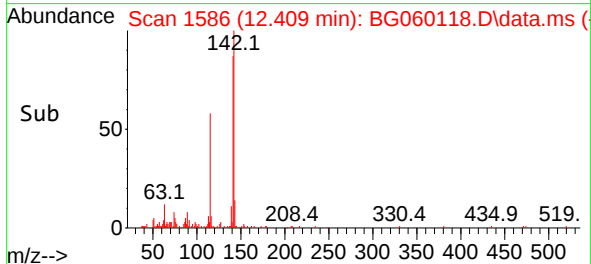
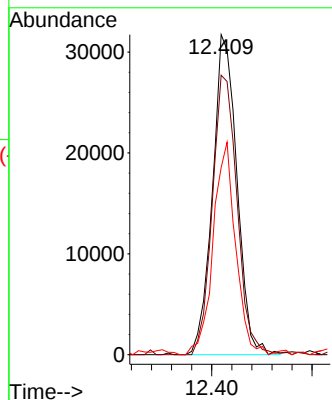
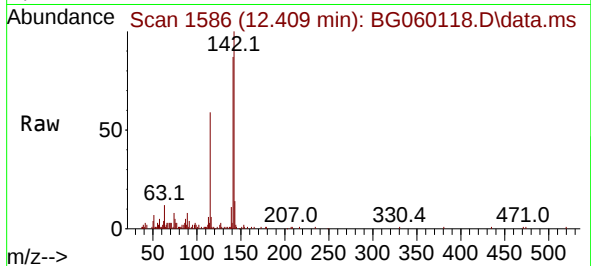




#37
2-Methylnaphthalene
Concen: 7.297 ng
RT: 12.409 min Scan# 1588
Delta R.T. -0.015 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

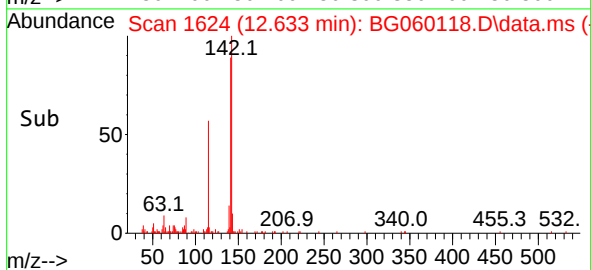
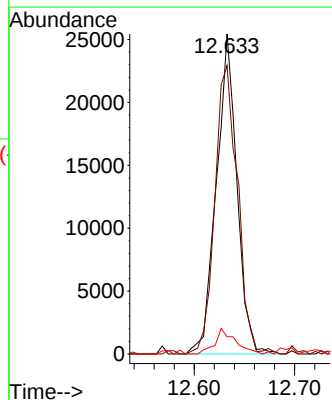
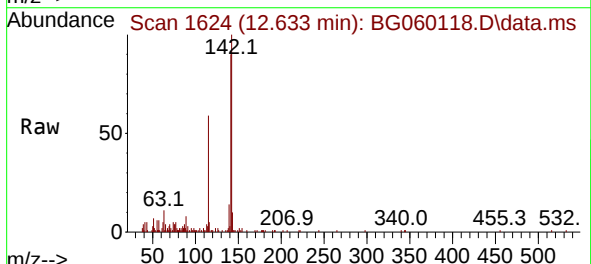
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

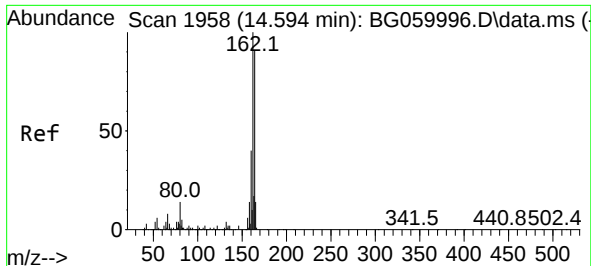
Tgt Ion:142 Resp: 53504
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9
115 58.5 36.1 54.1#



#38
1-Methylnaphthalene
Concen: 5.008 ng
RT: 12.633 min Scan# 1624
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:142 Resp: 36272
Ion Ratio Lower Upper
142 100
141 90.2 76.9 115.3
116 5.4 3.5 5.3#

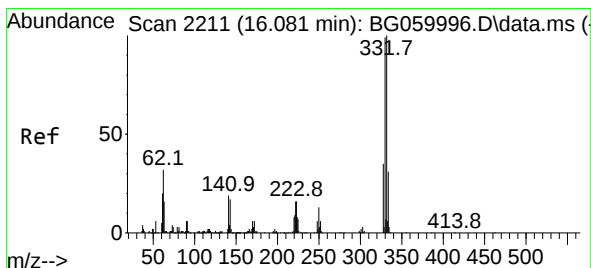
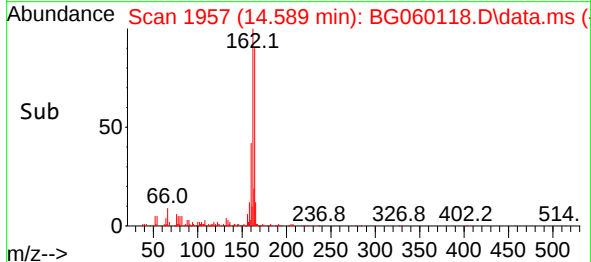
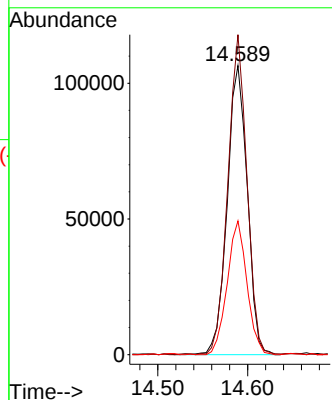
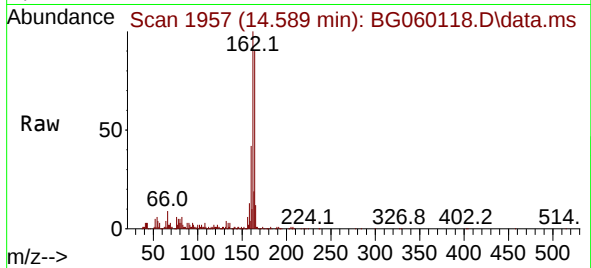




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

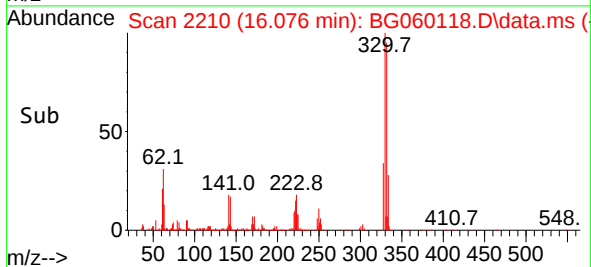
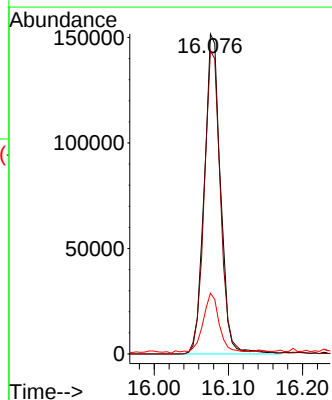
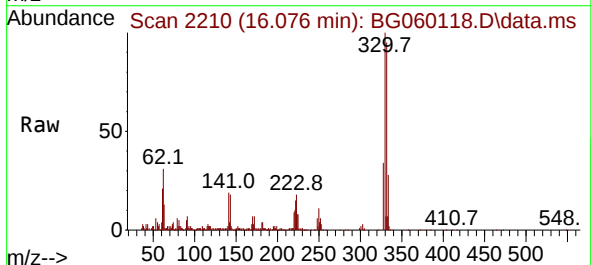
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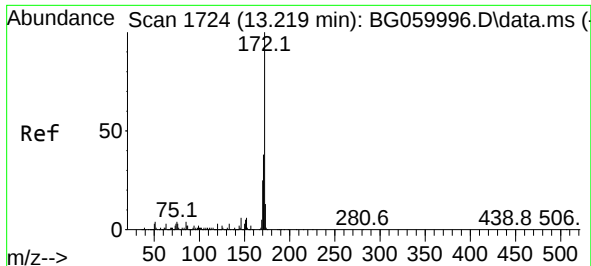
Tgt Ion:164 Resp: 165441
Ion Ratio Lower Upper
164 100
162 110.7 88.1 132.1
160 46.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 59.661 ng
RT: 16.076 min Scan# 2210
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:330 Resp: 230024
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 19.3 14.3 21.5

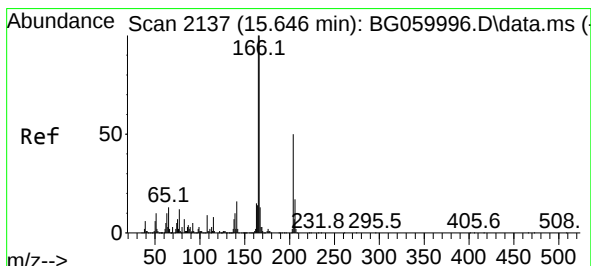
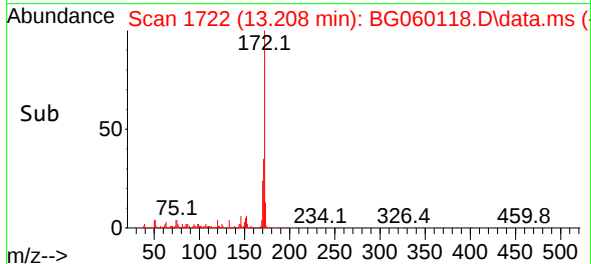
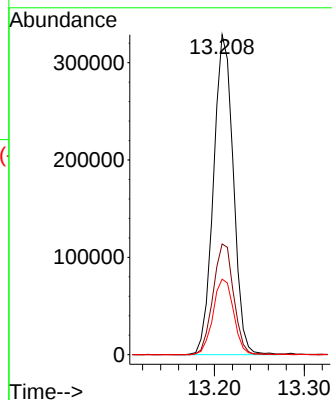
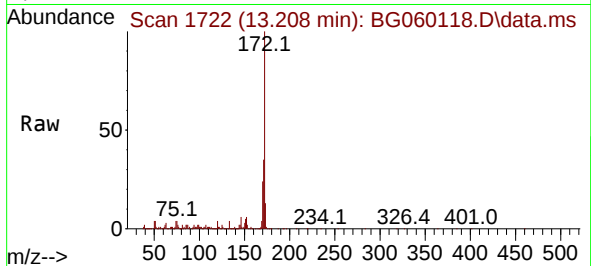




#45
2-Fluorobiphenyl
Concen: 37.264 ng
RT: 13.208 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

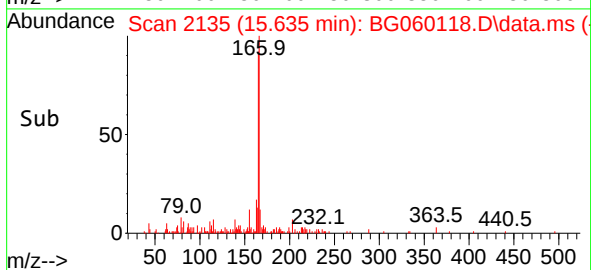
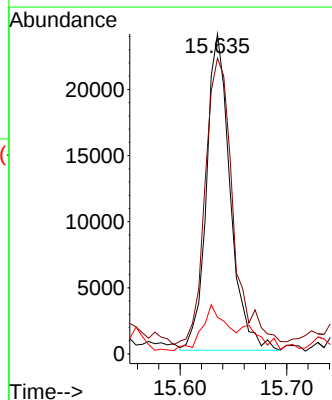
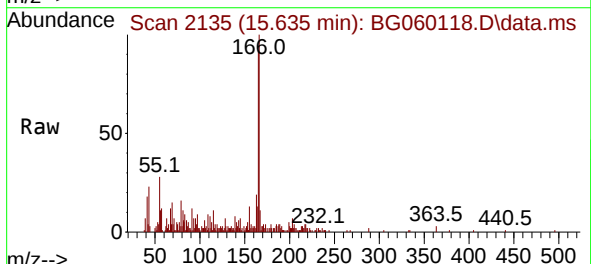
Instrument :
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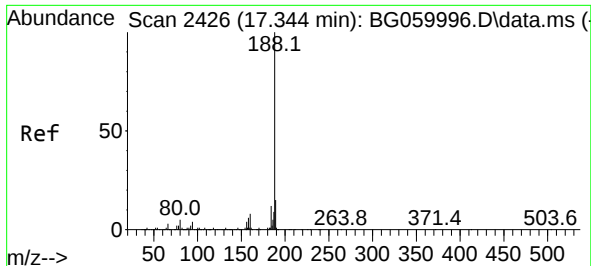
Tgt Ion:172 Resp: 503725
Ion Ratio Lower Upper
172 100
171 34.6 30.1 45.1
170 23.6 20.0 30.0



#58
Fluorene
Concen: 2.698 ng
RT: 15.635 min Scan# 2135
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:166 Resp: 37047
Ion Ratio Lower Upper
166 100
165 92.5 80.2 120.2
167 11.4 10.3 15.5

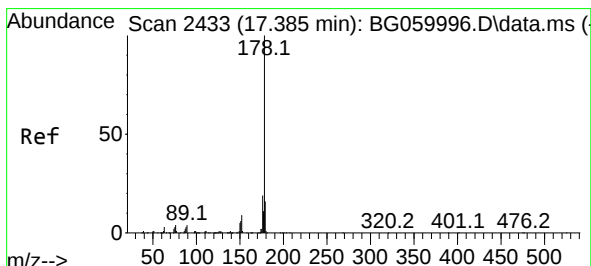
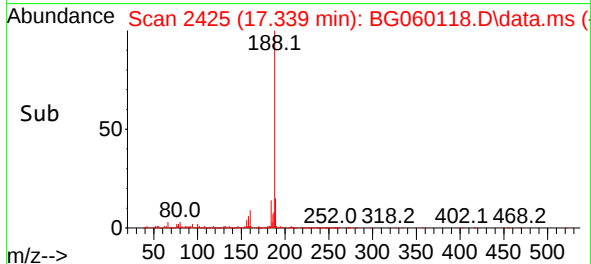
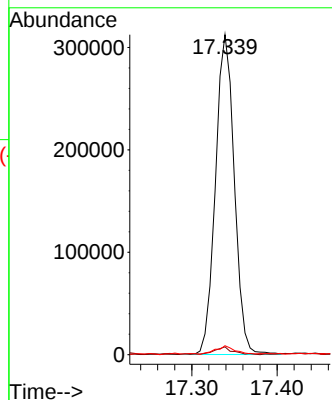
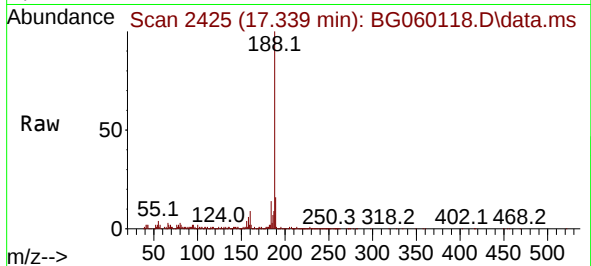




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

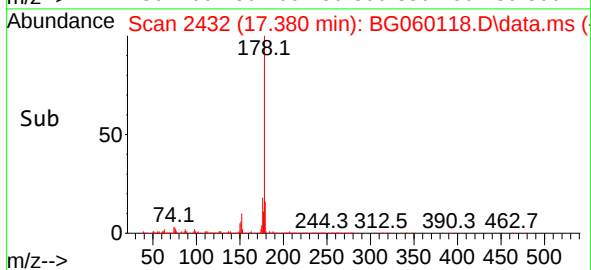
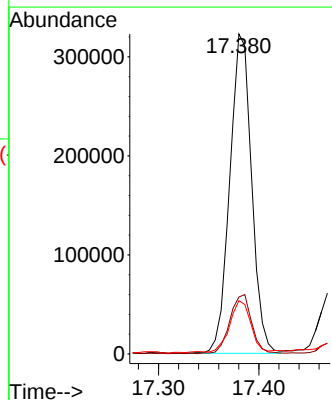
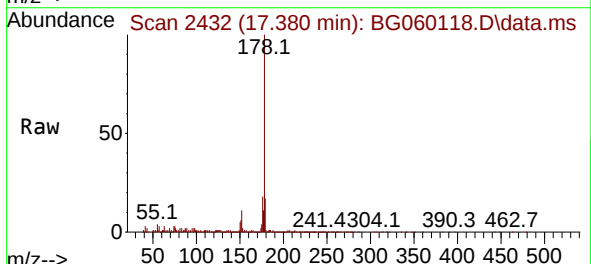
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

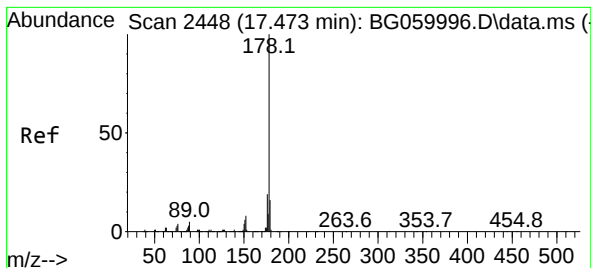
Tgt Ion:188 Resp: 479260
Ion Ratio Lower Upper
188 100
94 2.5 3.0 4.6#
80 2.8 4.0 6.0#



#71
Phenanthrene
Concen: 21.009 ng
RT: 17.380 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:178 Resp: 487709
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 16.6 12.6 19.0





#72

Anthracene

Concen: 4.008 ng

RT: 17.474 min Scan# 2448

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

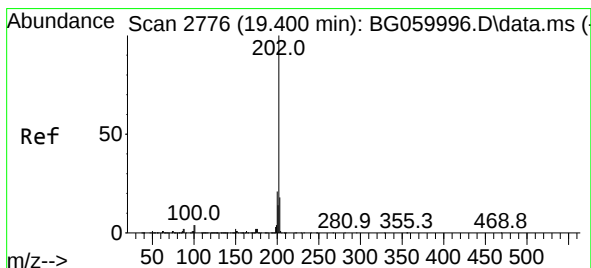
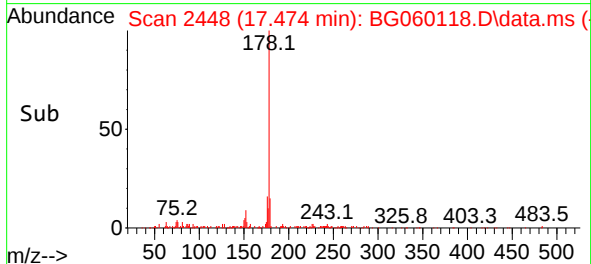
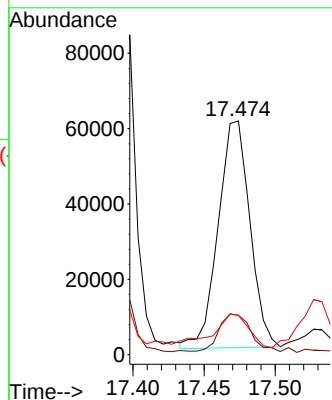
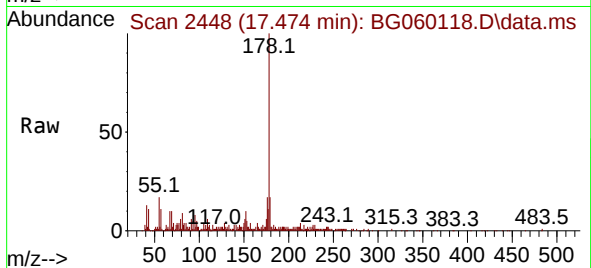
Tgt Ion:178 Resp: 93557

Ion Ratio Lower Upper

178 100

176 16.9 15.0 22.6

179 16.9 12.6 19.0



#75

Fluoranthene

Concen: 34.931 ng

RT: 19.401 min Scan# 2776

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

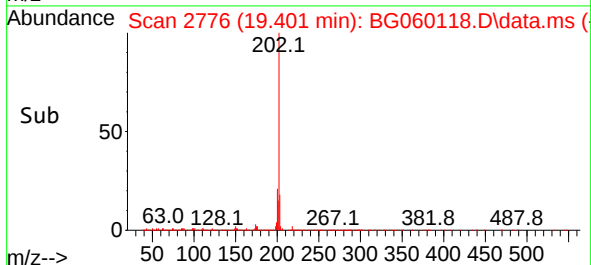
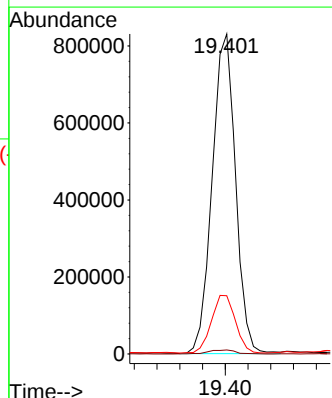
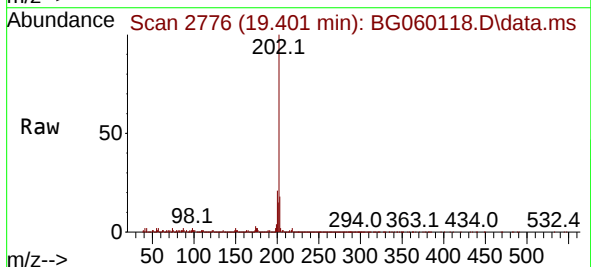
Tgt Ion:202 Resp: 1183299

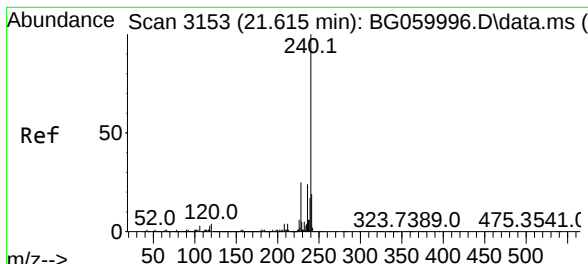
Ion Ratio Lower Upper

202 100

101 1.2 0.0 24.2

203 18.2 0.0 37.6

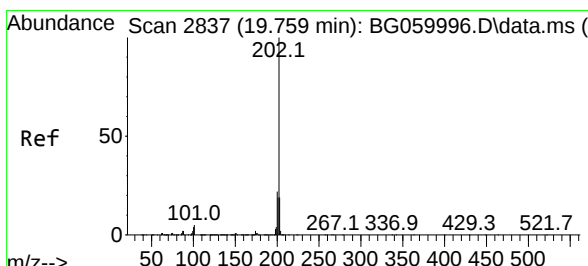
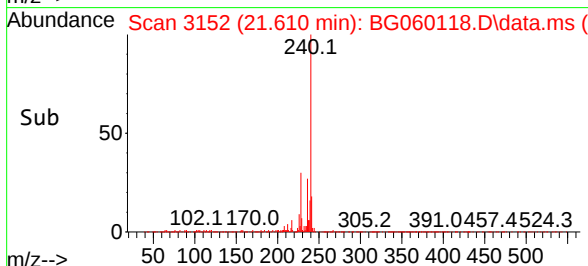
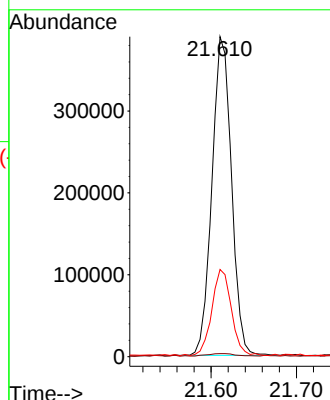
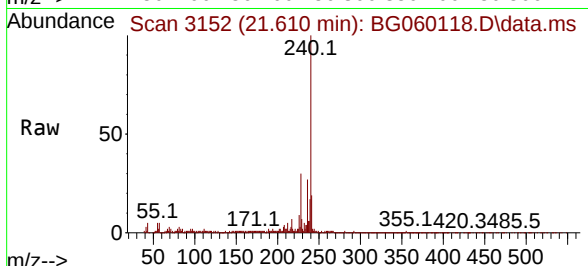




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3153
Delta R.T. -0.009 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

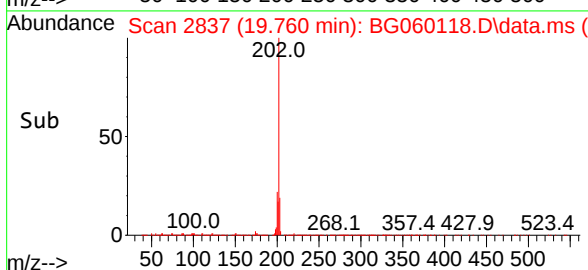
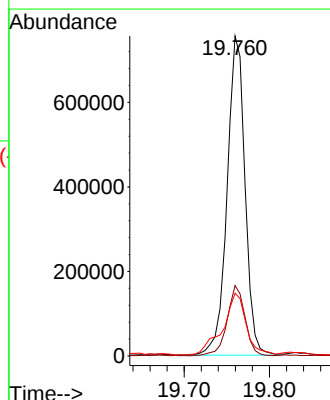
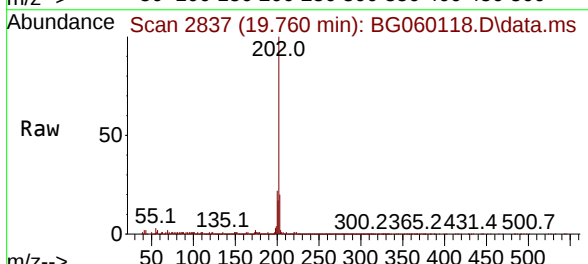
Instrument :
BNA_G
ClientSampleId :
CHRT-20017

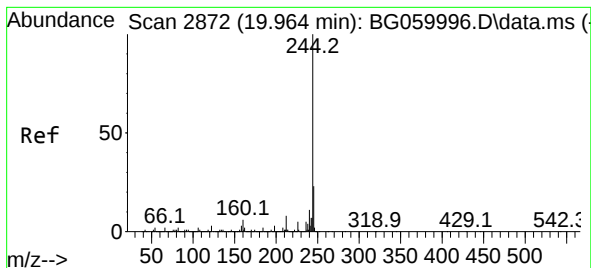
Tgt Ion:240 Resp: 618620
Ion Ratio Lower Upper
240 100
120 1.0 2.9 4.3#
236 27.3 19.4 29.2



#78
Pyrene
Concen: 29.367 ng
RT: 19.760 min Scan# 2837
Delta R.T. -0.003 min
Lab File: BG060118.D
Acq: 21 Dec 2023 3:58

Tgt Ion:202 Resp: 1101252
Ion Ratio Lower Upper
202 100
200 22.0 17.6 26.4
203 19.6 14.9 22.3





#79

Terphenyl-d14

Concen: 38.565 ng

RT: 19.959 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

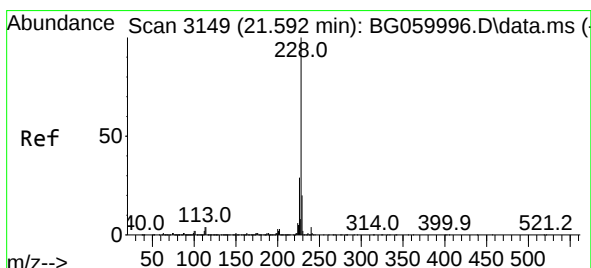
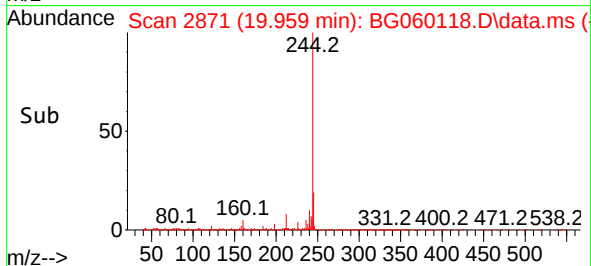
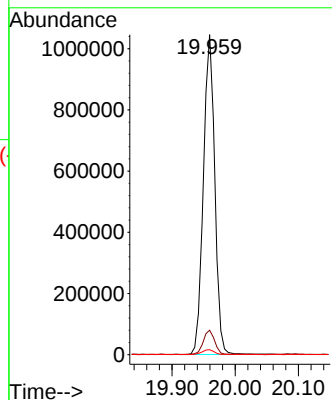
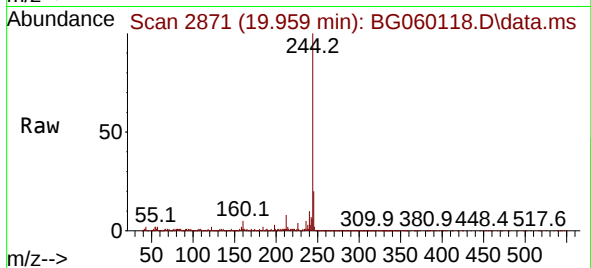
Tgt Ion:244 Resp: 1306733

Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

122 1.6 2.6 3.8#



#81

Benzo(a)anthracene

Concen: 14.304 ng

RT: 21.593 min Scan# 3149

Delta R.T. -0.009 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

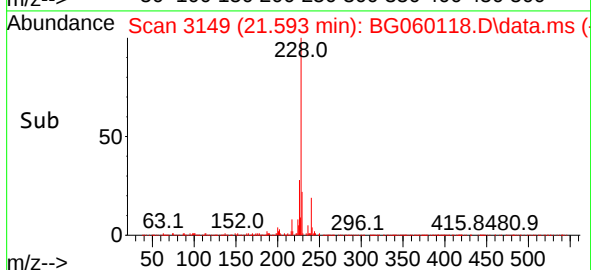
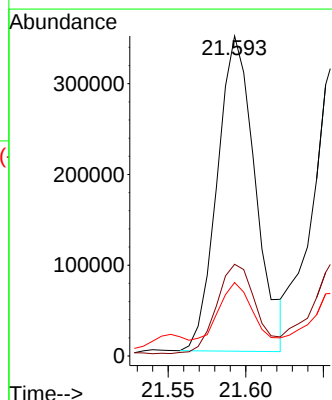
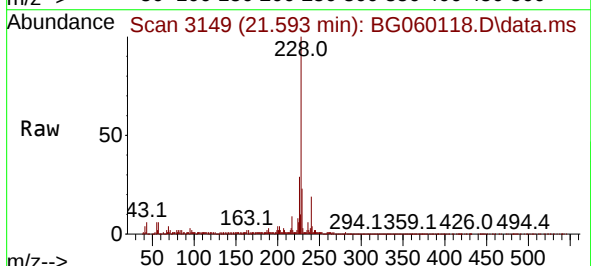
Tgt Ion:228 Resp: 594415

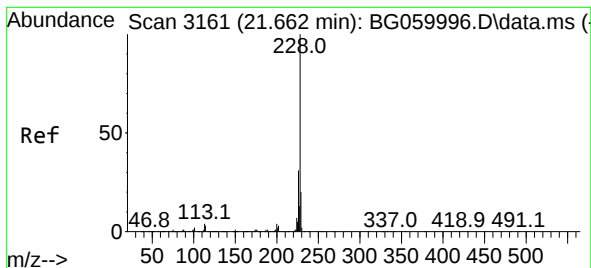
Ion Ratio Lower Upper

228 100

226 28.7 22.9 34.3

229 22.9 16.2 24.2





#83

Chrysene

Concen: 15.340 ng

RT: 21.657 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

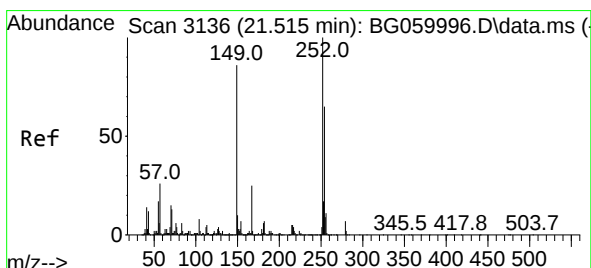
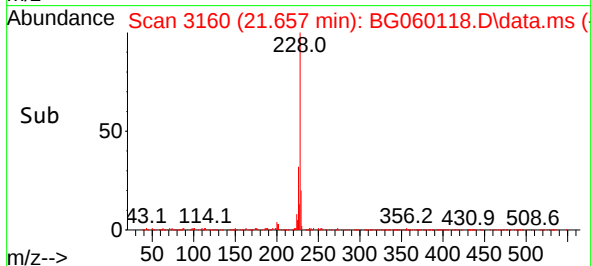
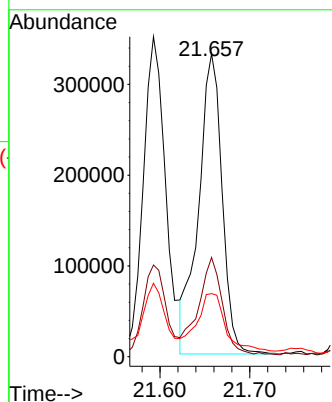
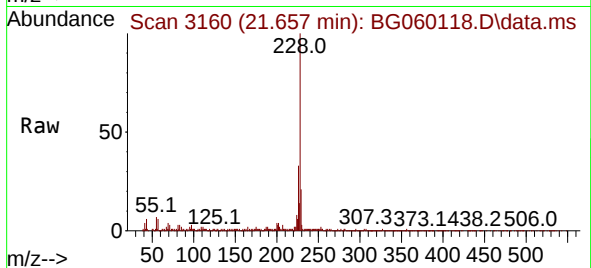
Tgt Ion:228 Resp: 603909

Ion Ratio Lower Upper

228 100

226 32.7 25.0 37.6

229 20.8 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.943 ng

RT: 21.505 min Scan# 3134

Delta R.T. -0.009 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

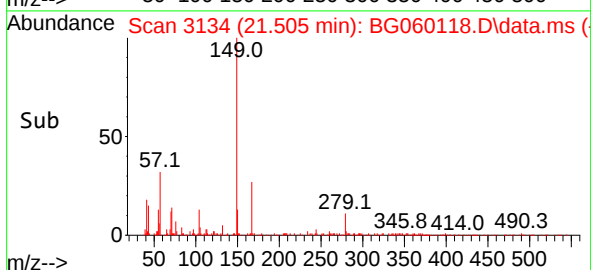
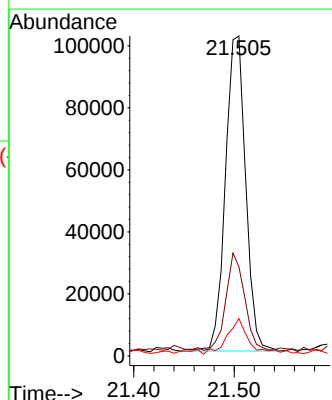
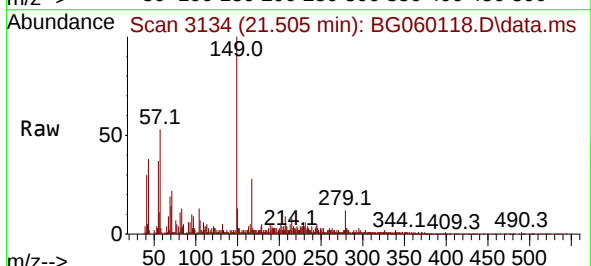
Tgt Ion:149 Resp: 142331

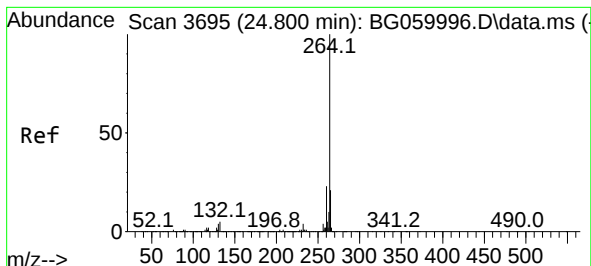
Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.6

279 11.7 6.2 9.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

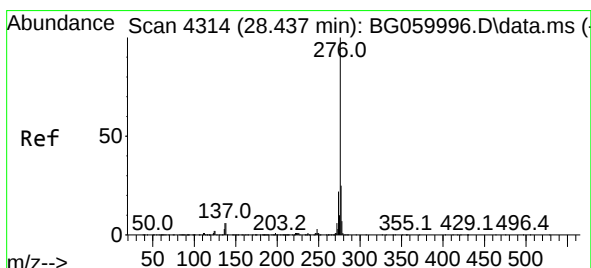
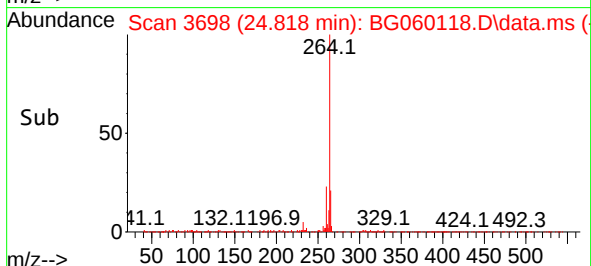
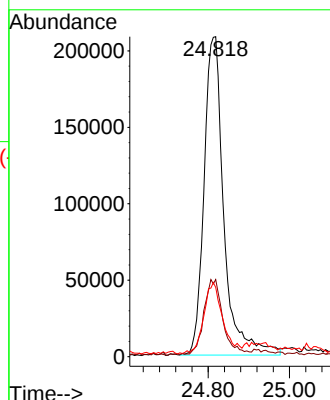
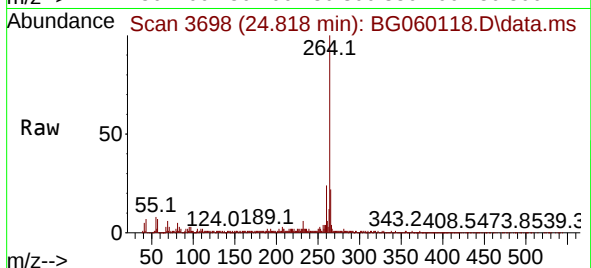
Tgt Ion:264 Resp: 704281

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

265 21.7 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.367 ng

RT: 28.455 min Scan# 4317

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

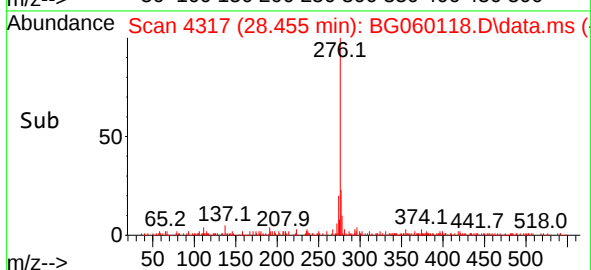
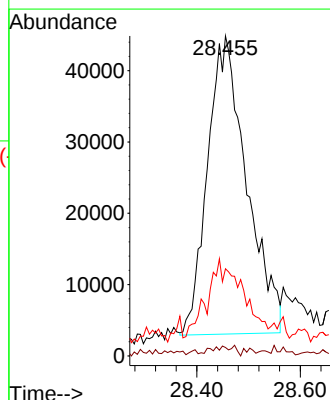
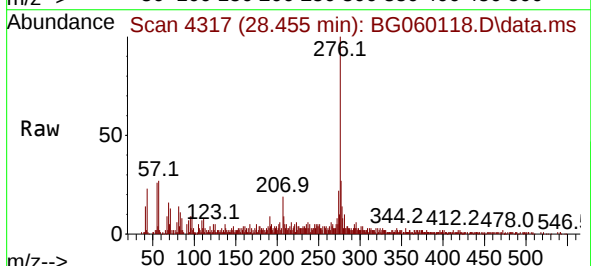
Tgt Ion:276 Resp: 219510

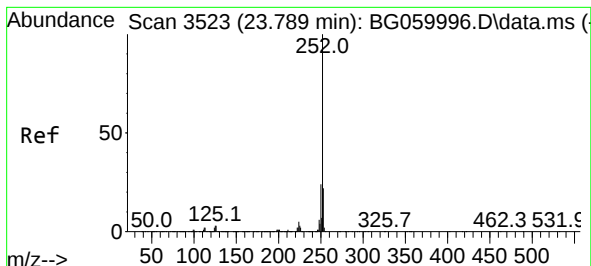
Ion Ratio Lower Upper

276 100

138 0.7 4.7 7.1#

277 10.3 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 15.743 ng

RT: 23.796 min Scan# 3

Delta R.T. -0.003 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

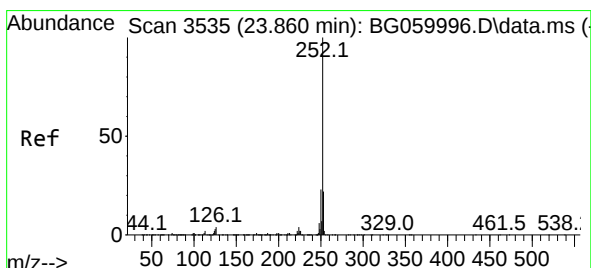
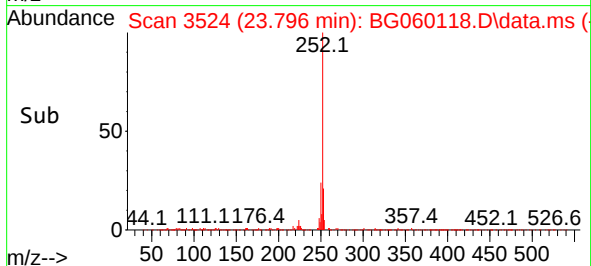
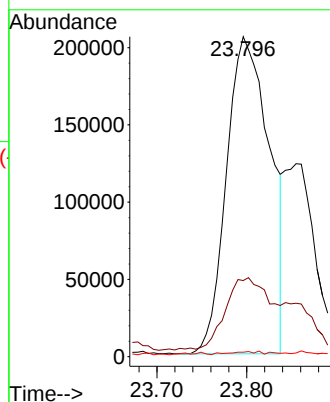
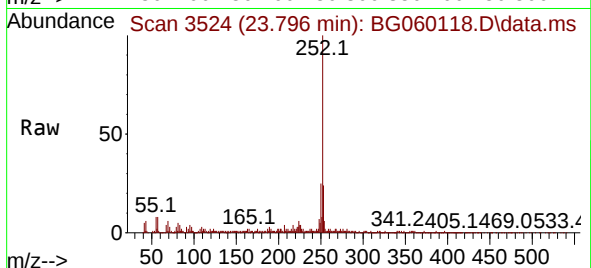
Tgt Ion:252 Resp: 684778

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 1.4 2.6 4.0#



#89

Benzo(k)fluoranthene

Concen: 16.231 ng

RT: 23.796 min Scan# 3524

Delta R.T. -0.073 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

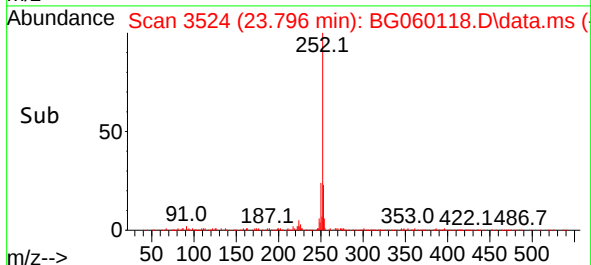
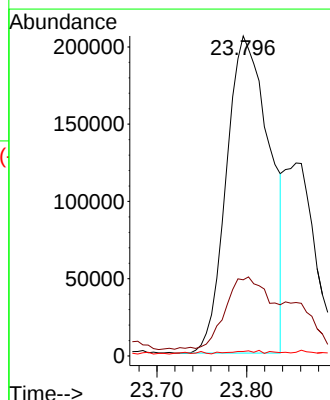
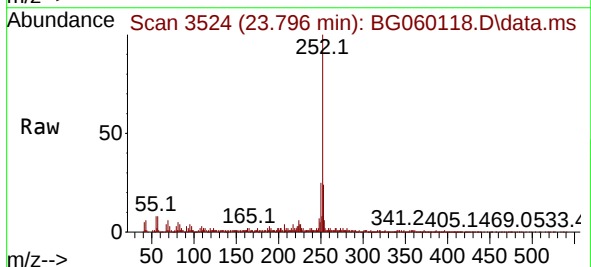
Tgt Ion:252 Resp: 684778

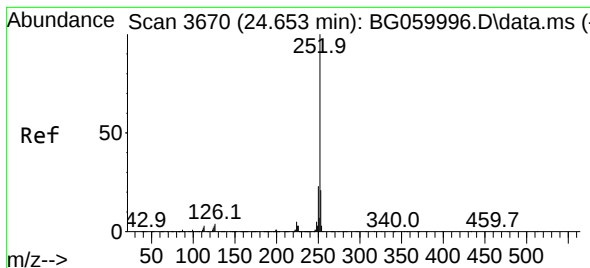
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 1.4 2.5 3.7#





#90

Benzo(a)pyrene

Concen: 8.928 ng

RT: 24.513 min Scan# 3

Delta R.T. -0.150 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Instrument :

BNA_G

ClientSampleId :

CHRT-20017

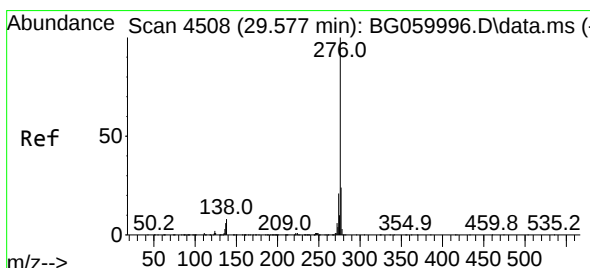
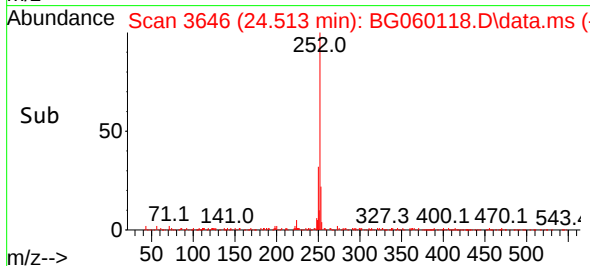
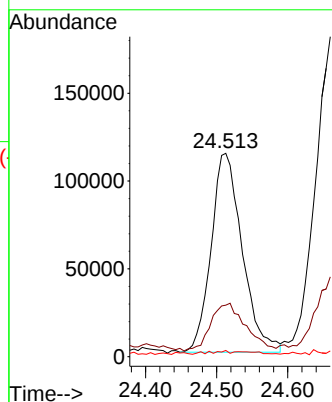
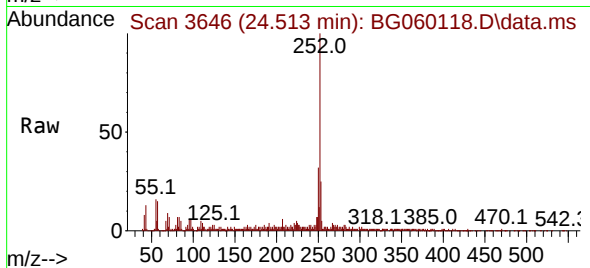
Tgt Ion:252 Resp: 344034

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

125 3.0 2.6 4.0



#92

Benzo(g,h,i)perylene

Concen: 4.835 ng

RT: 29.583 min Scan# 4509

Delta R.T. -0.015 min

Lab File: BG060118.D

Acq: 21 Dec 2023 3:58

Tgt Ion:276 Resp: 202146

Ion Ratio Lower Upper

276 100

277 22.6 19.4 29.2

138 4.2 6.0 9.0#

