

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061239.D
 Acq On : 17 May 2024 15:10
 Operator : MA/JU
 Sample : P2496-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-28452

Quant Time: May 17 16:08:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

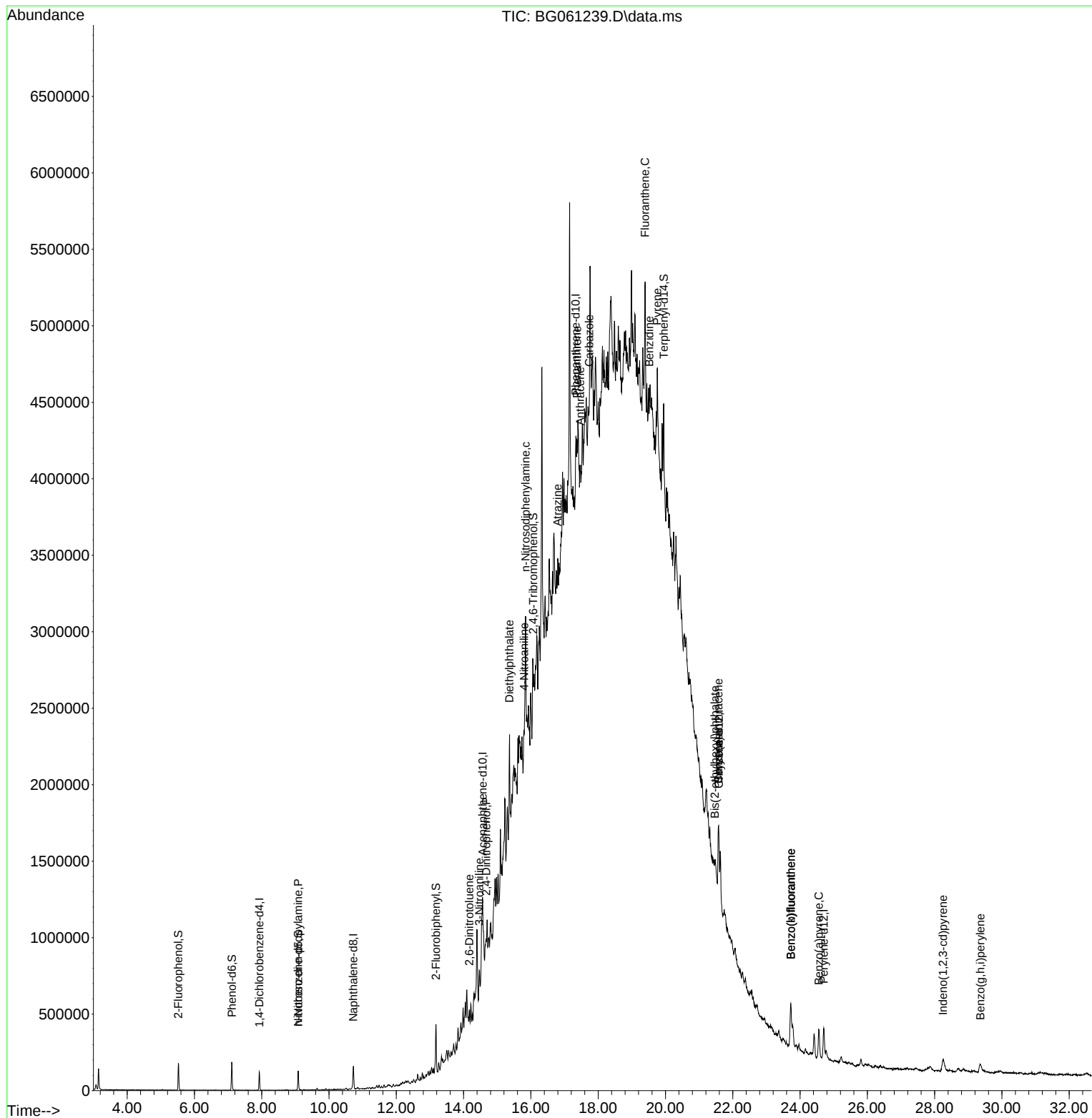
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.927	152	30239	20.000	ng	-0.03
21) Naphthalene-d8	10.724	136	113577	20.000	ng	#-0.03
39) Acenaphthene-d10	14.566	164	84537	20.000	ng	-0.02
64) Phenanthrene-d10	17.333	188	173710	20.000	ng	# 0.00
76) Chrysene-d12	21.587	240	173116	20.000	ng	# 0.00
86) Perylene-d12	24.707	264	217607	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	62841	42.264	ng	-0.02
7) Phenol-d6	7.110	99	84779	38.544	ng	-0.02
23) Nitrobenzene-d5	9.084	82	63840	27.864	ng	-0.03
42) 2,4,6-Tribromophenol	16.070	330	53655	31.753	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	149239	26.105	ng	-0.03
79) Terphenyl-d14	19.948	244	245217	23.558	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.110	77	81	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.084	70	9818	5.964	ng	# 63
51) 2,6-Dinitrotoluene	14.172	165	4265	3.054	ng	# 26
53) 3-Nitroaniline	14.472	138	3592	2.811	ng	# 19
54) 2,4-Dinitrophenol	14.672	184	165	2.369	ng	# 1
60) Diethylphthalate	15.359	149	21829	3.315	ng	# 56
62) 4-Nitroaniline	15.800	138	5052	3.645	ng	92
66) n-Nitrosodiphenylamine	15.841	169	9640	2.238	ng	# 85
69) Atrazine	16.793	200	10067	5.667	ng	# 1
71) Phenanthrene	17.375	178	164150	20.667	ng	# 84
72) Anthracene	17.463	178	26505	3.344	ng	# 25
73) Carbazole	17.733	167	15950	2.289	ng	# 1
75) Fluoranthene	19.396	202	464997	42.733	ng	92
77) Benzidine	19.519	184	1059	3.098	ng	# 1
78) Pyrene	19.754	202	405402	36.835	ng	# 94
81) Benzo(a)anthracene	21.570	228	224928	19.855	ng	94
83) Chrysene	21.570	228	224928	21.193	ng	98
84) Bis(2-ethylhexyl)phtha...	21.470	149	16011	3.519	ng	# 78
87) Indeno(1,2,3-cd)pyrene	28.250	276	160255	11.112	ng	# 93
88) Benzo(b)fluoranthene	23.726	252	348778	28.683	ng	# 98
89) Benzo(k)fluoranthene	23.726	252	348778	29.814	ng	# 98
90) Benzo(a)pyrene	24.560	252	219654	20.734	ng	# 98
92) Benzo(g,h,i)perylene	29.360	276	151622	12.776	ng	# 91

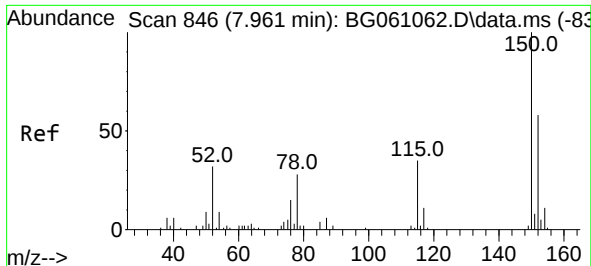
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061239.D
Acq On : 17 May 2024 15:10
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Misc :
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BNA_G
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Quant Time: May 17 16:08:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

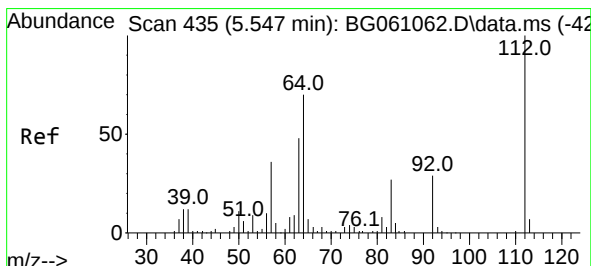
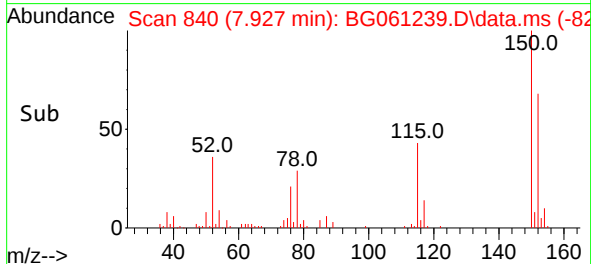
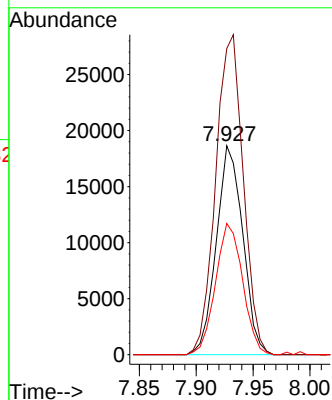
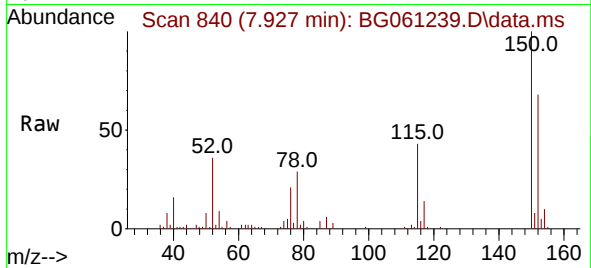




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.927 min Scan# 846
Delta R.T. -0.034 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

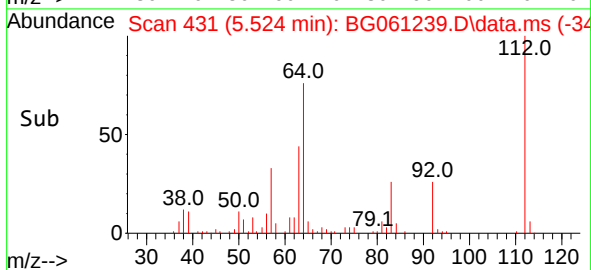
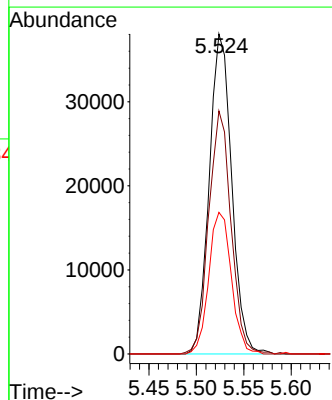
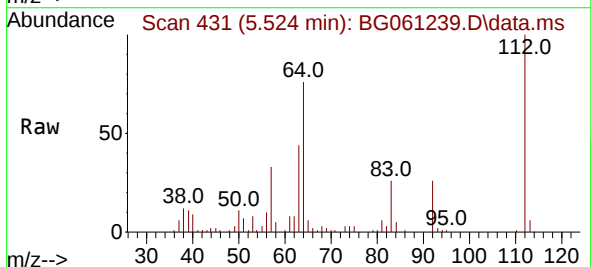
Instrument :
BNA_G
ClientSampleId :
CHRT-28452

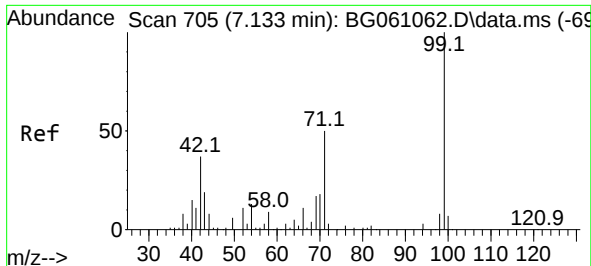
Tgt Ion:152 Resp: 30239
Ion Ratio Lower Upper
152 100
150 146.4 138.3 207.5
115 62.8 48.0 72.0



#5
2-Fluorophenol
Concen: 42.264 ng
RT: 5.524 min Scan# 431
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:112 Resp: 62841
Ion Ratio Lower Upper
112 100
64 75.9 55.7 83.5
63 44.2 38.1 57.1

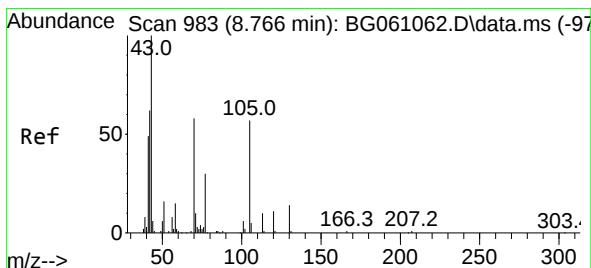
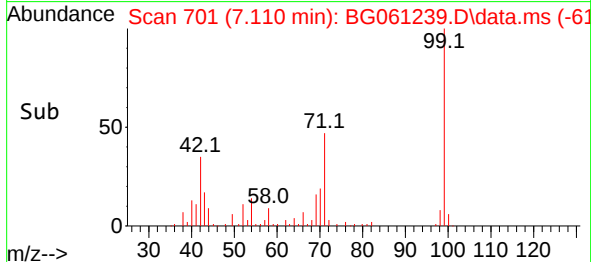
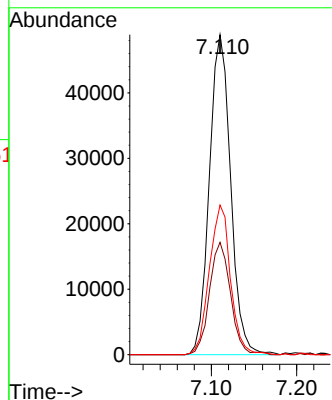
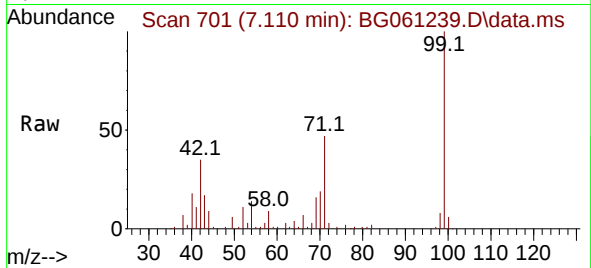




#7
Phenol-d6
Concen: 38.544 ng
RT: 7.110 min Scan# 705
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

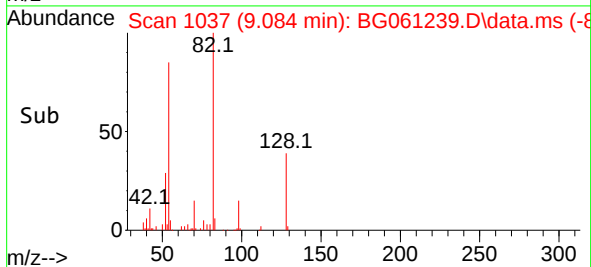
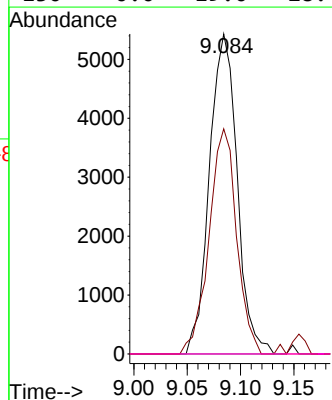
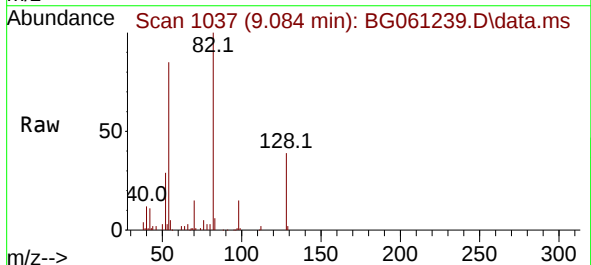
Instrument :
BNA_G
ClientSampleId :
CHRT-28452

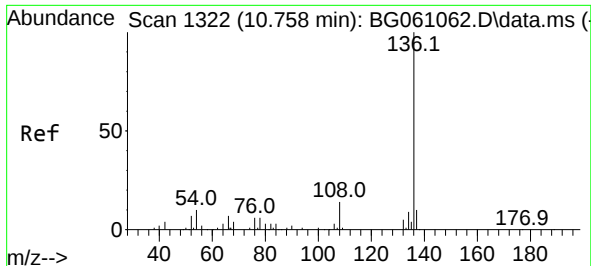
Tgt Ion: 99 Resp: 84779
Ion Ratio Lower Upper
99 100
42 35.1 29.2 43.8
71 46.7 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 5.964 ng
RT: 9.084 min Scan# 1037
Delta R.T. 0.318 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion: 70 Resp: 9818
Ion Ratio Lower Upper
70 100
42 70.4 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 11
Delta R.T. -0.035 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

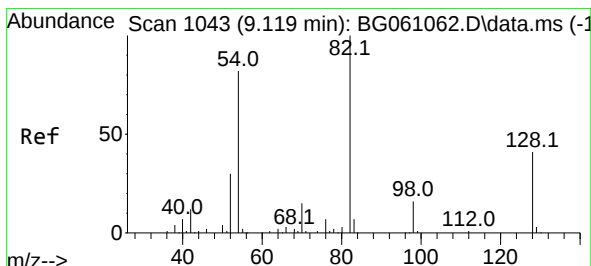
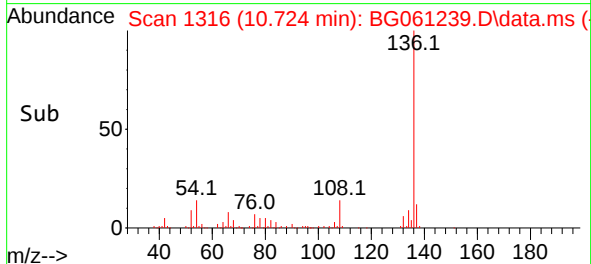
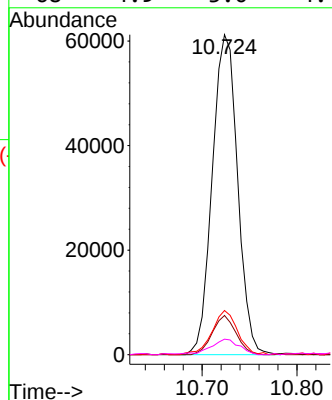
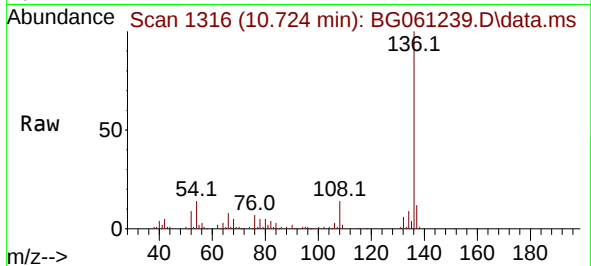
Instrument :

BNA_G

ClientSampleId :

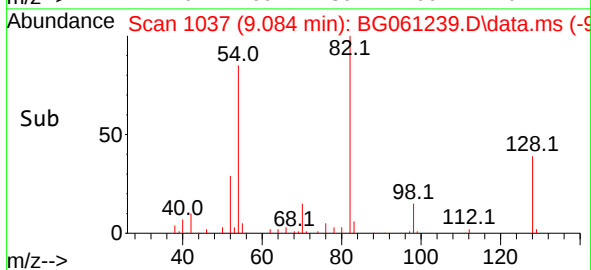
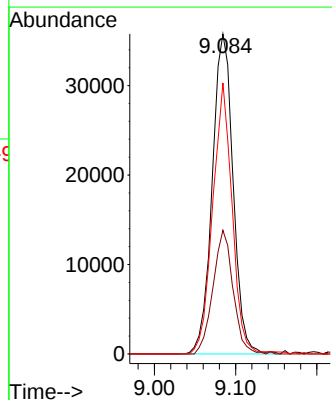
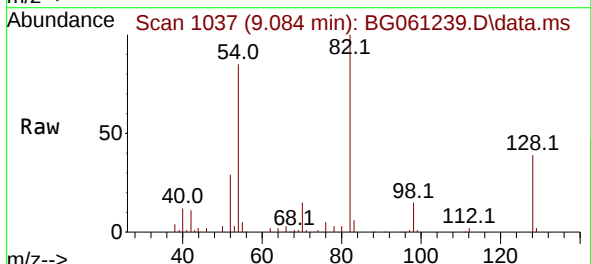
CHRT-28452

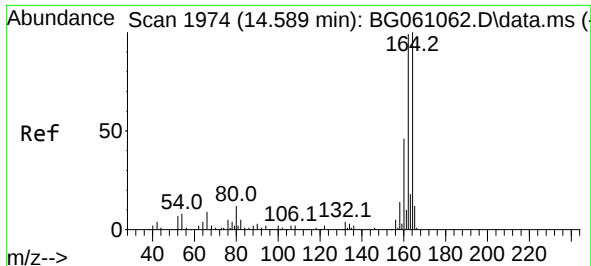
Tgt Ion:136 Resp: 113577
Ion Ratio Lower Upper
136 100
137 12.2 7.8 11.6#
54 13.8 8.1 12.1#
68 4.9 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 27.864 ng
RT: 9.084 min Scan# 1037
Delta R.T. -0.035 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion: 82 Resp: 63840
Ion Ratio Lower Upper
82 100
128 38.6 32.7 49.1
54 84.7 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.566 min Scan# 1970

Delta R.T. -0.023 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

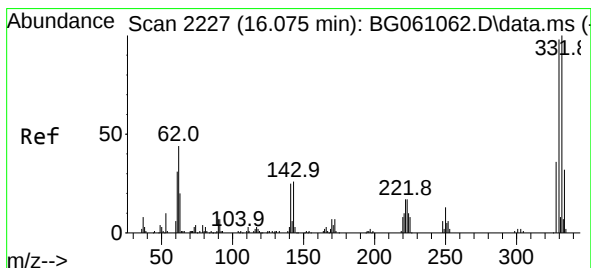
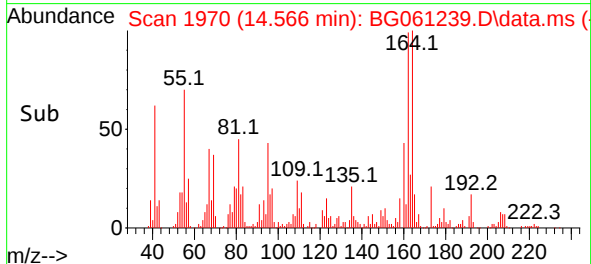
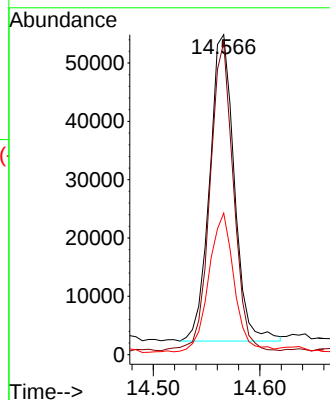
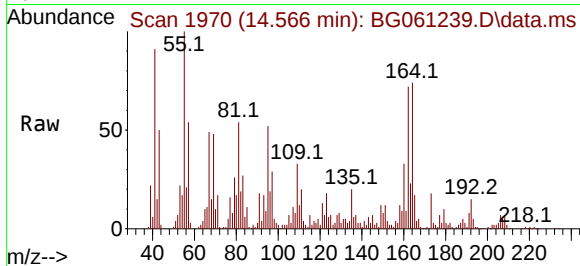
Tgt Ion:164 Resp: 84537

Ion Ratio Lower Upper

164 100

162 97.6 79.4 119.2

160 44.3 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 31.753 ng

RT: 16.070 min Scan# 2226

Delta R.T. -0.005 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

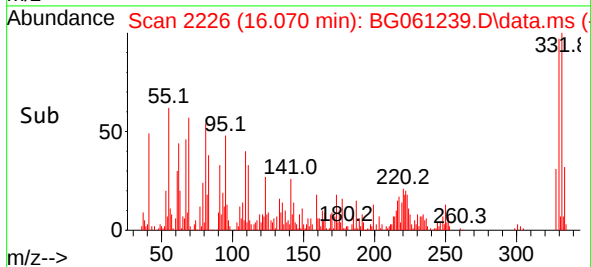
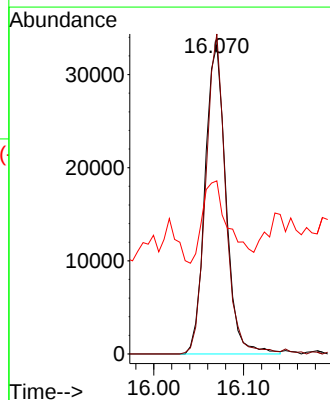
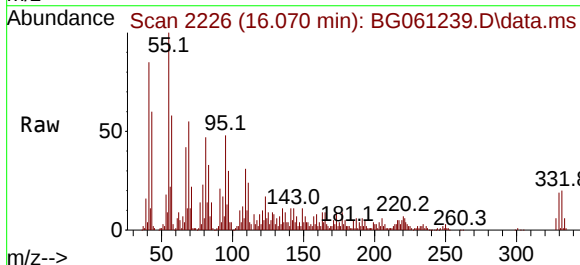
Tgt Ion:330 Resp: 53655

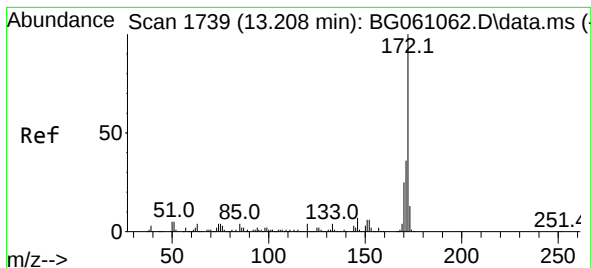
Ion Ratio Lower Upper

330 100

332 97.8 78.6 117.8

141 33.2 20.5 30.7#

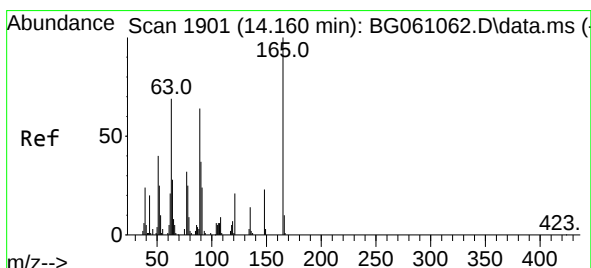
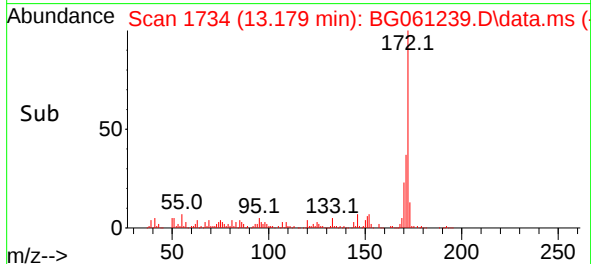
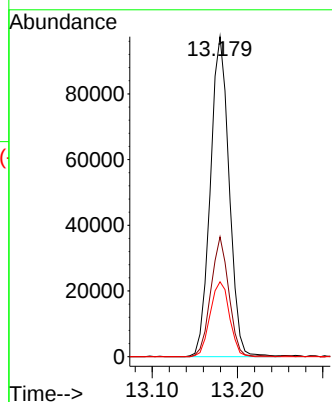
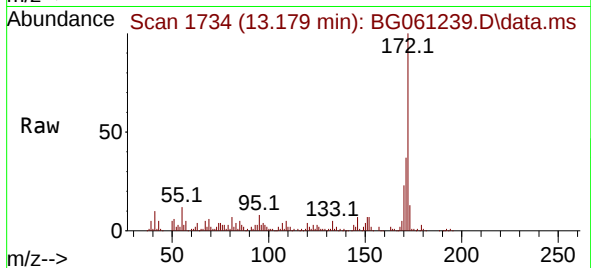




#45
2-Fluorobiphenyl
Concen: 26.105 ng
RT: 13.179 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

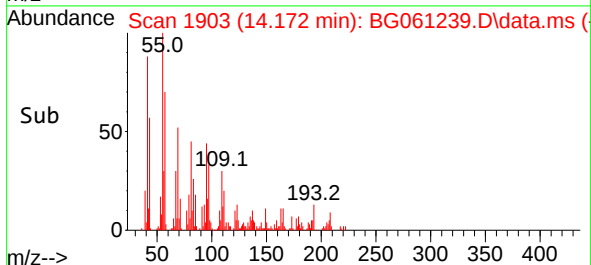
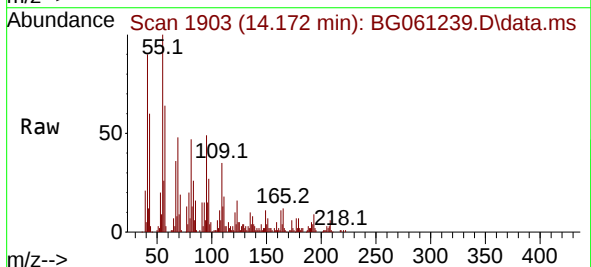
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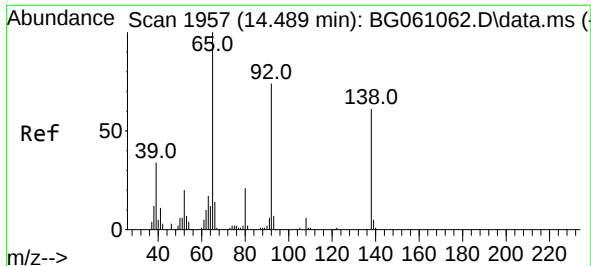
Tgt Ion:172 Resp: 149239
Ion Ratio Lower Upper
172 100
171 37.4 29.0 43.6
170 23.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 3.054 ng
RT: 14.172 min Scan# 1903
Delta R.T. 0.012 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:165 Resp: 4265
Ion Ratio Lower Upper
165 100
63 12.4 60.0 90.0#
89 5.6 50.9 76.3#

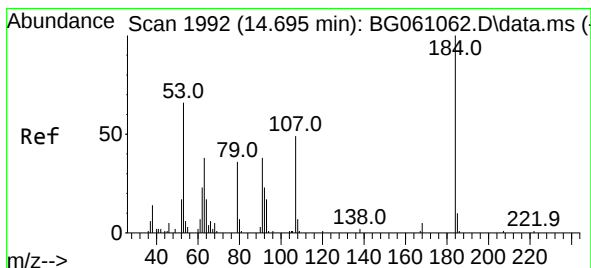
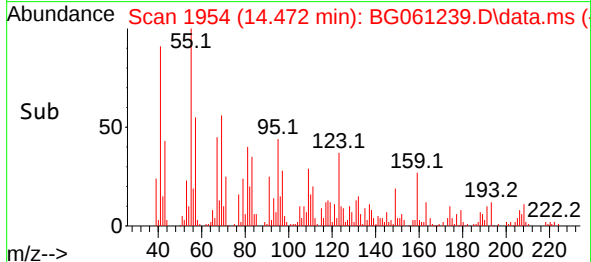
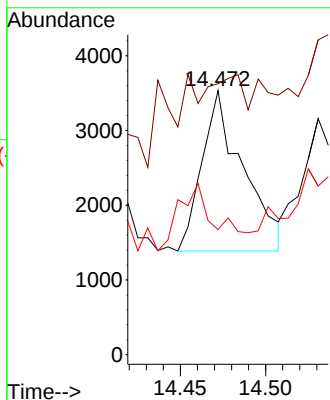
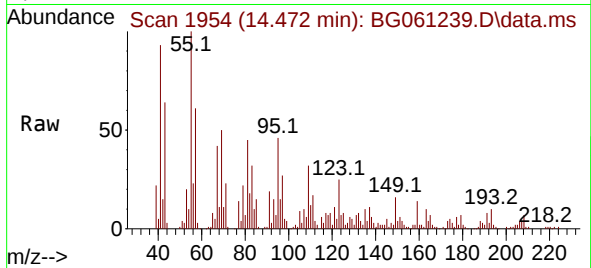




#53
3-Nitroaniline
Concen: 2.811 ng
RT: 14.472 min Scan# 1957
Delta R.T. -0.017 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

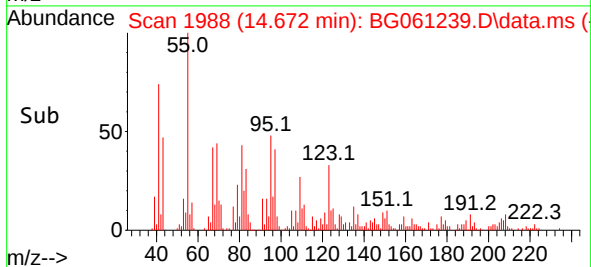
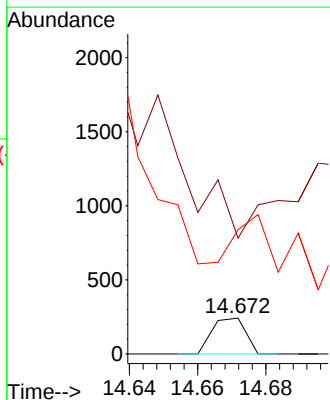
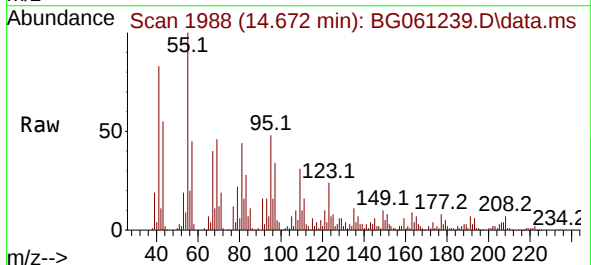
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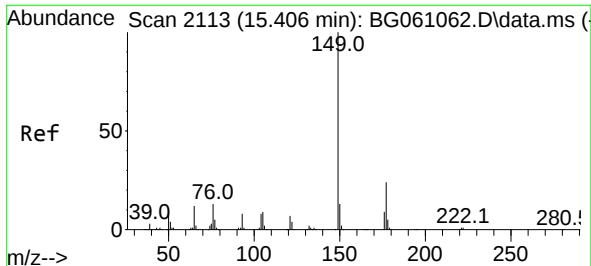
Tgt Ion:138 Resp: 3592
Ion Ratio Lower Upper
138 100
108 102.6 8.2 12.2#
92 47.4 98.0 147.0#



#54
2,4-Dinitrophenol
Concen: 2.369 ng
RT: 14.672 min Scan# 1988
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:184 Resp: 165
Ion Ratio Lower Upper
184 100
63 323.1 62.6 93.8#
154 346.3 61.4 92.0#

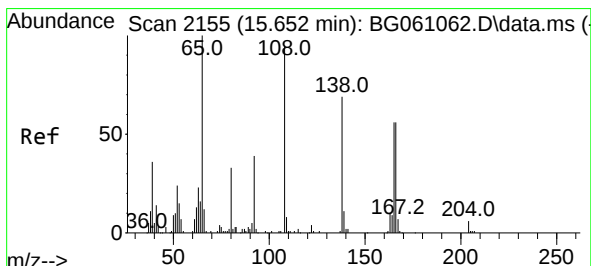
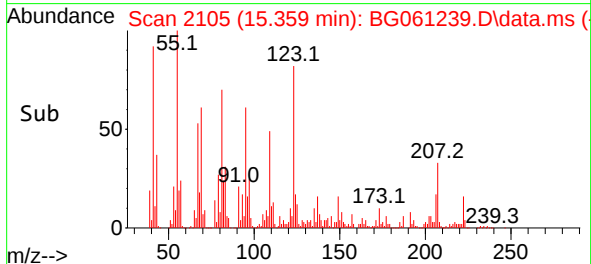
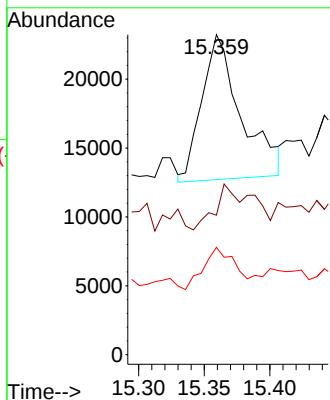
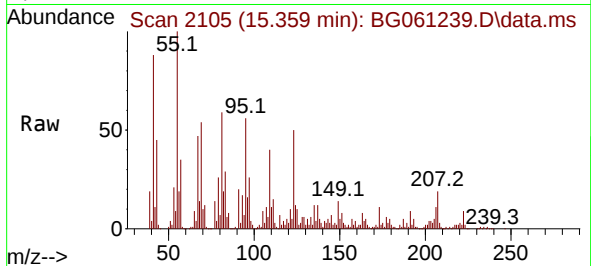




#60
Diethylphthalate
Concen: 3.315 ng
RT: 15.359 min Scan# 2113
Delta R.T. -0.046 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

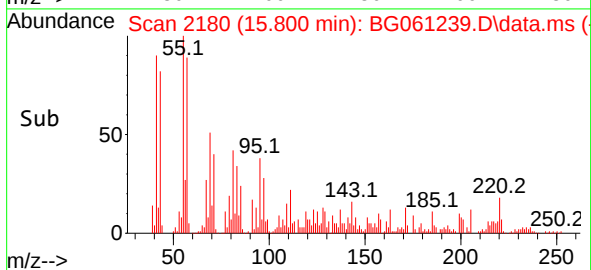
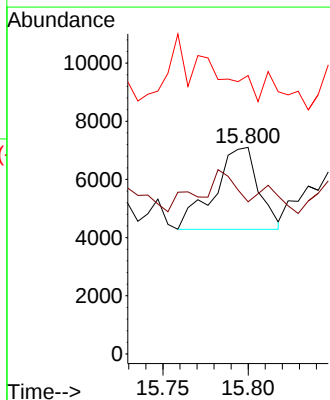
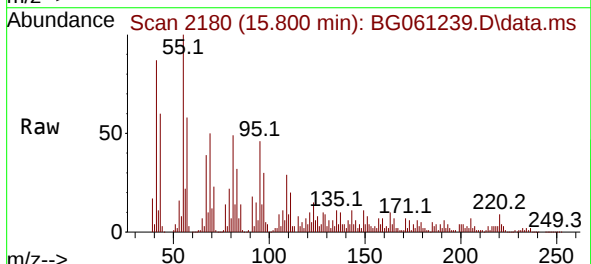
Instrument :
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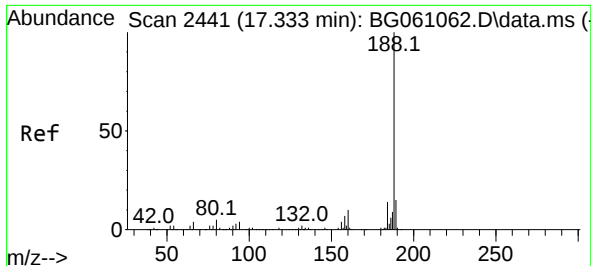
Tgt Ion:149 Resp: 21829
Ion Ratio Lower Upper
149 100
177 43.6 19.1 28.7#
150 33.6 10.6 16.0#



#62
4-Nitroaniline
Concen: 3.645 ng
RT: 15.800 min Scan# 2180
Delta R.T. 0.148 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:138 Resp: 5052
Ion Ratio Lower Upper
138 100
92 73.7 35.5 75.5
108 134.8 116.2 156.2

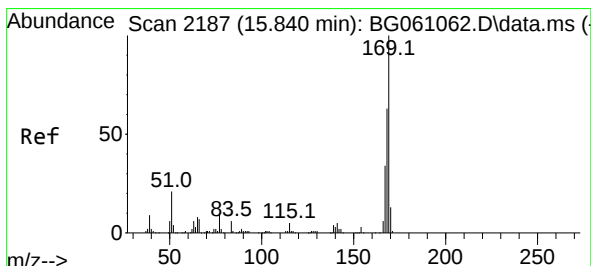
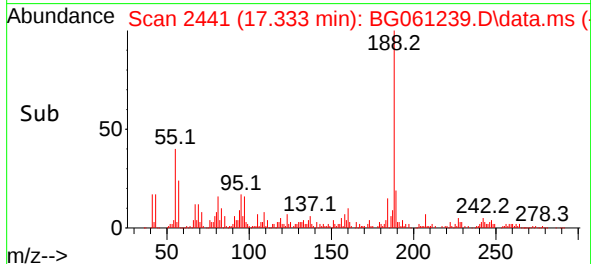
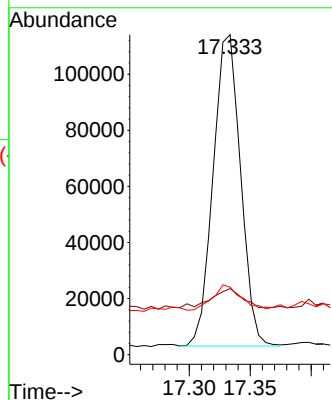
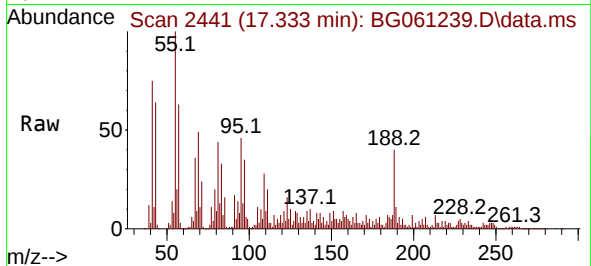




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2441
Delta R.T. 0.001 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

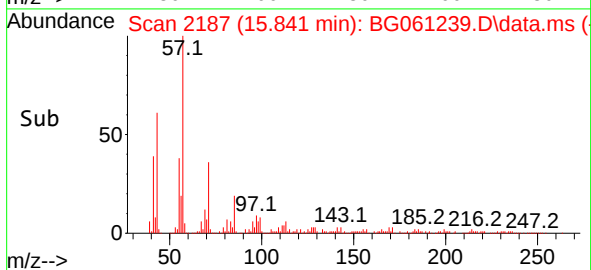
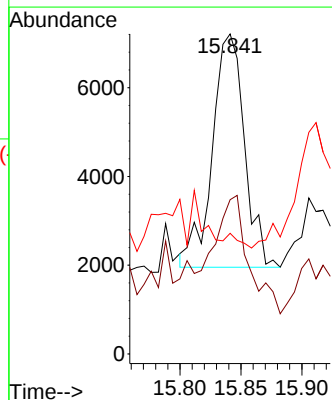
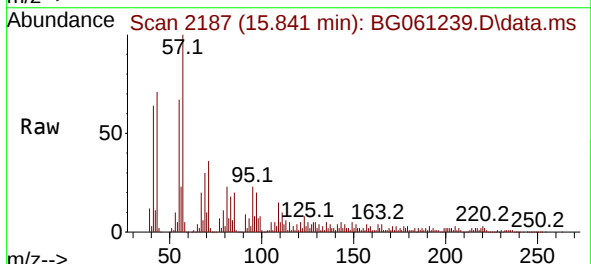
Instrument :
BNA_G
ClientSampleId :
CHRT-28452

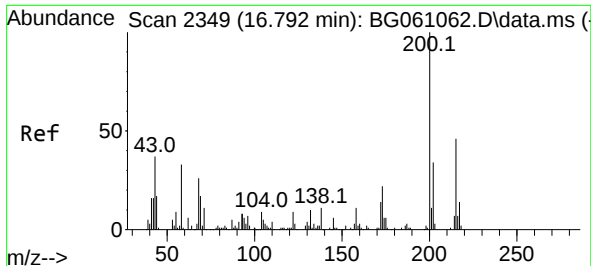
Tgt Ion:188 Resp: 173710
Ion Ratio Lower Upper
188 100
94 20.7 3.6 5.4#
80 21.1 4.2 6.2#



#66
n-Nitrosodiphenylamine
Concen: 2.238 ng
RT: 15.841 min Scan# 2187
Delta R.T. 0.001 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:169 Resp: 9640
Ion Ratio Lower Upper
169 100
168 48.2 50.6 75.8#
167 37.7 27.4 41.2

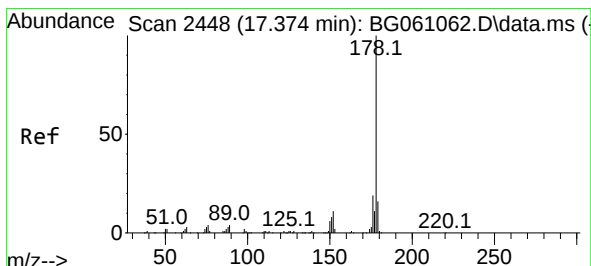
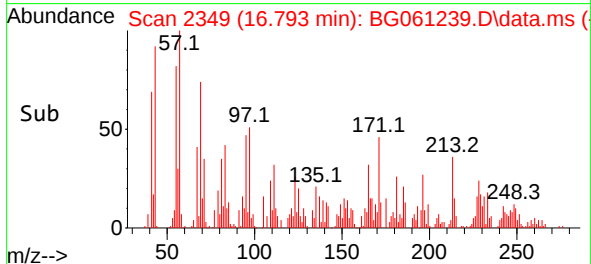
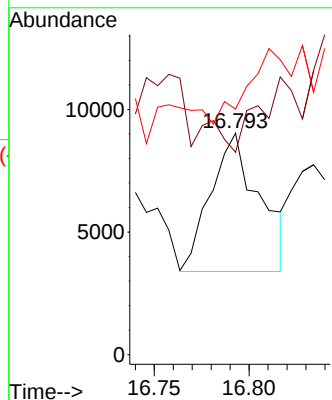
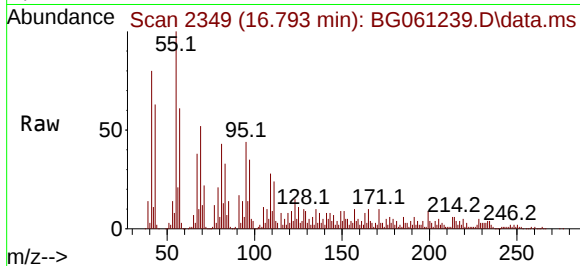




#69
 Atrazine
 Concen: 5.667 ng
 RT: 16.793 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10

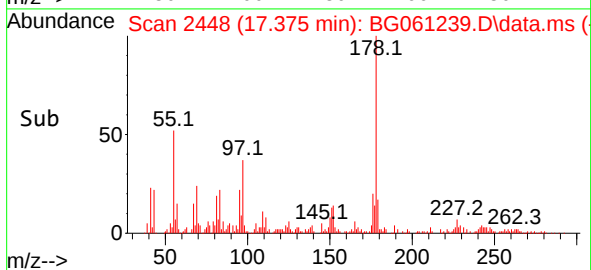
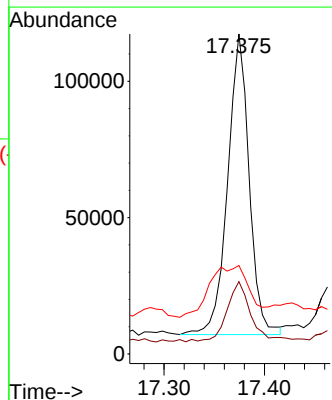
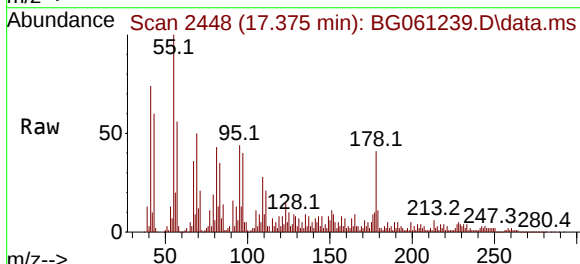
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-28452

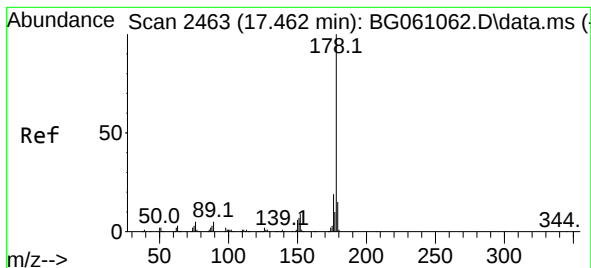
Tgt Ion:200 Resp: 10067
 Ion Ratio Lower Upper
 200 100
 173 91.4 2.0 42.0#
 215 110.9 26.2 66.2#



#71
 Phenanthrene
 Concen: 20.667 ng
 RT: 17.375 min Scan# 2448
 Delta R.T. 0.001 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10

Tgt Ion:178 Resp: 164150
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.5 23.3
 179 27.6 12.6 19.0#





#72

Anthracene

Concen: 3.344 ng

RT: 17.463 min Scan# 2463

Delta R.T. 0.001 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

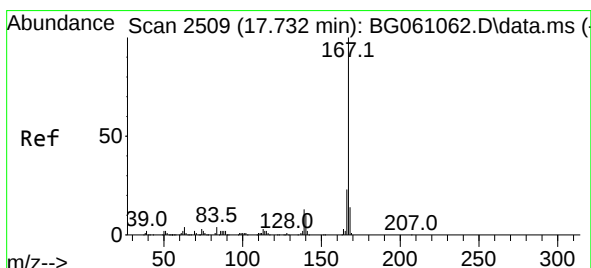
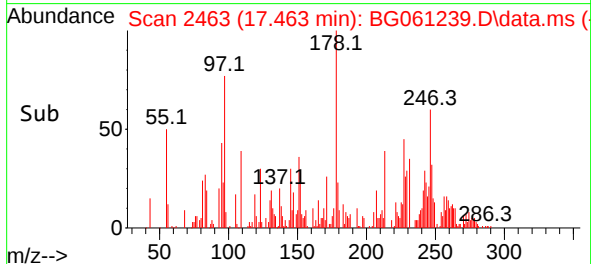
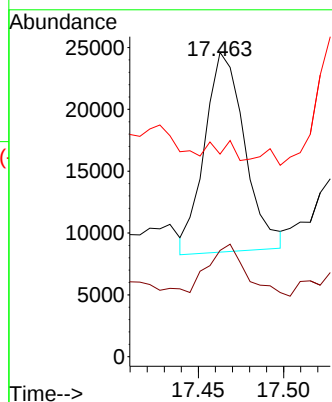
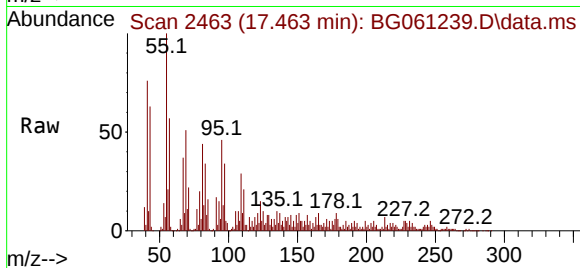
Tgt Ion:178 Resp: 26505

Ion Ratio Lower Upper

178 100

176 34.9 15.0 22.6#

179 66.6 12.0 18.0#



#73

Carbazole

Concen: 2.289 ng

RT: 17.733 min Scan# 2509

Delta R.T. 0.001 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

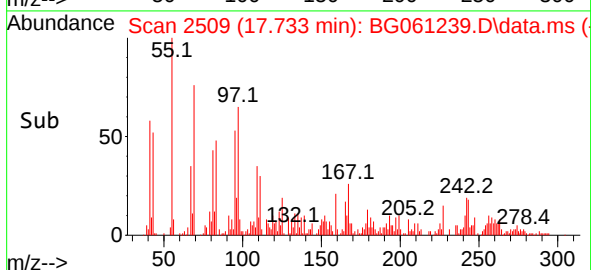
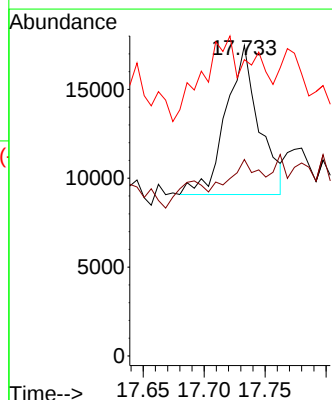
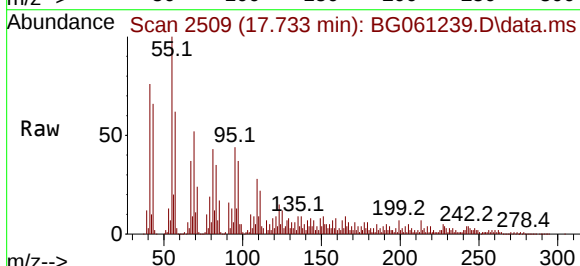
Tgt Ion:167 Resp: 15950

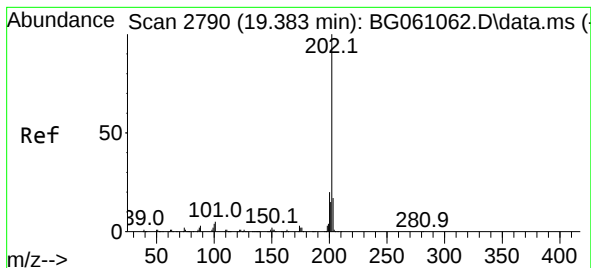
Ion Ratio Lower Upper

167 100

166 63.3 18.7 28.1#

139 95.5 10.6 15.8#





#75

Fluoranthene

Concen: 42.733 ng

RT: 19.396 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

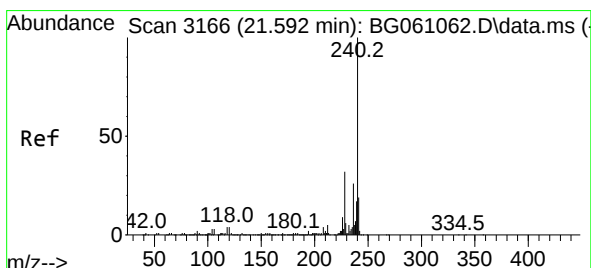
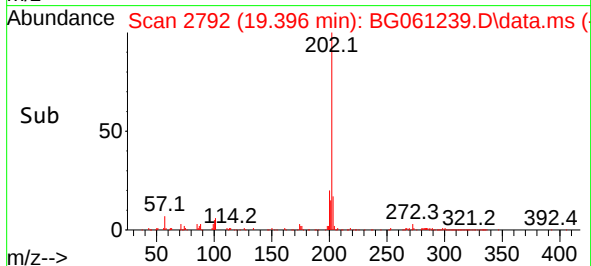
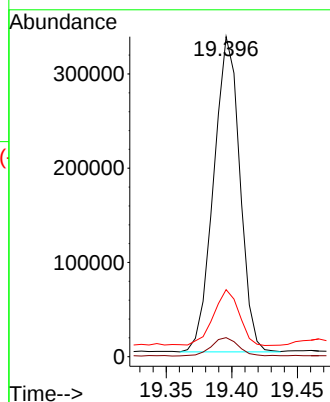
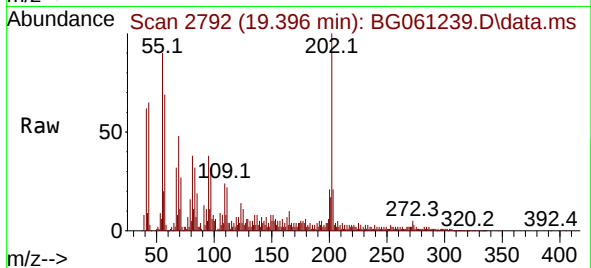
Tgt Ion:202 Resp: 464997

Ion Ratio Lower Upper

202 100

101 5.9 0.0 24.7

203 20.9 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.587 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

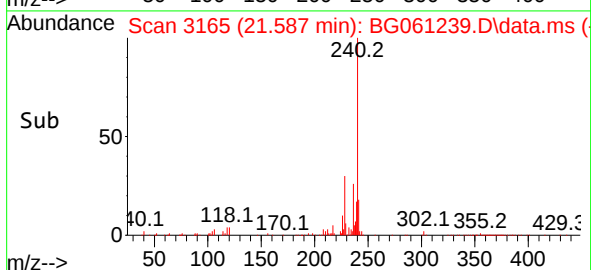
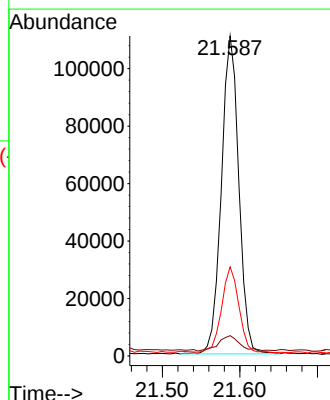
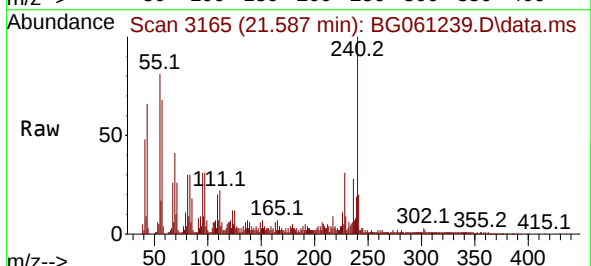
Tgt Ion:240 Resp: 173116

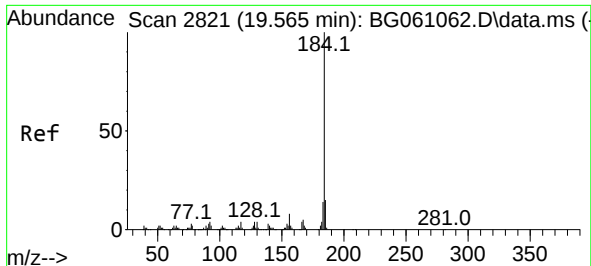
Ion Ratio Lower Upper

240 100

120 6.3 3.2 4.8#

236 27.8 21.0 31.6

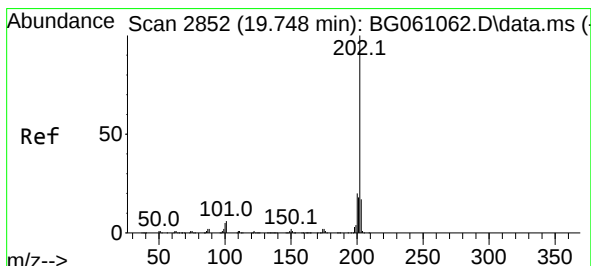
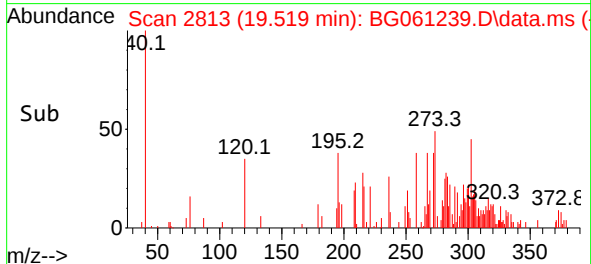
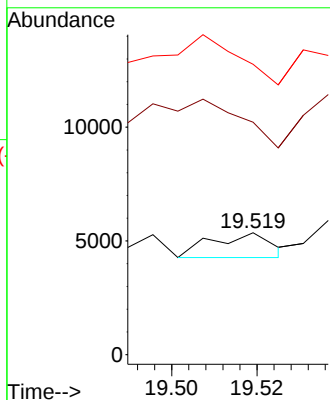
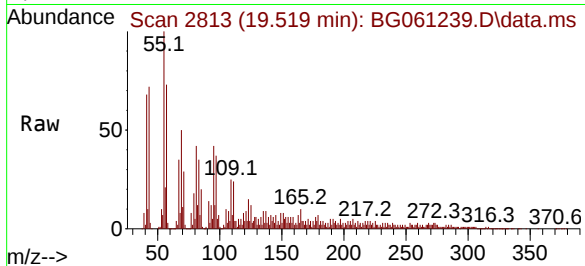




#77
Benzidine
Concen: 3.098 ng
RT: 19.519 min Scan# 2813
Delta R.T. -0.046 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

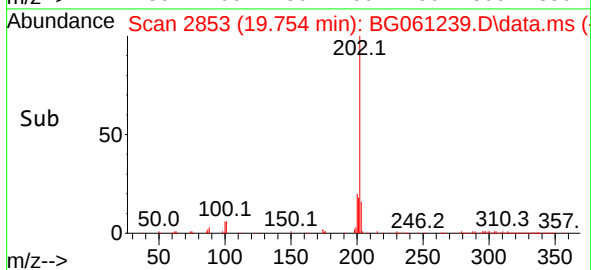
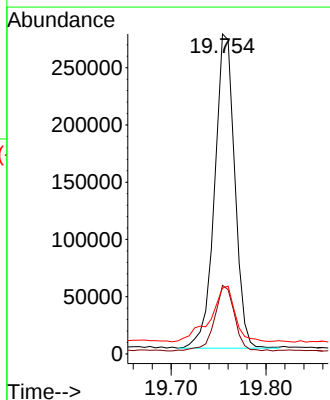
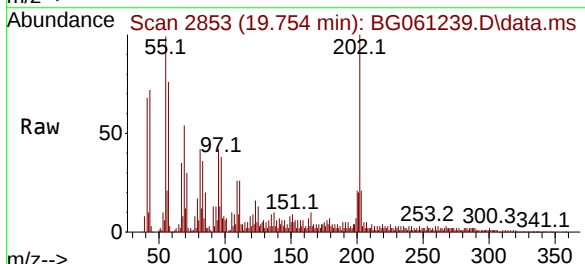
Instrument :
BNA_G
ClientSampleId :
CHRT-28452

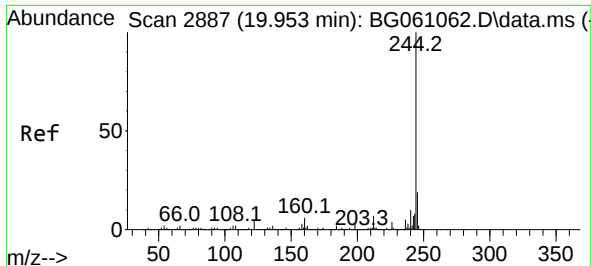
Tgt Ion:184 Resp: 1059
Ion Ratio Lower Upper
184 100
185 190.6 12.0 18.0#
183 238.2 10.9 16.3#



#78
Pyrene
Concen: 36.835 ng
RT: 19.754 min Scan# 2853
Delta R.T. 0.007 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:202 Resp: 405402
Ion Ratio Lower Upper
202 100
200 21.4 16.2 24.4
203 20.6 13.3 19.9#

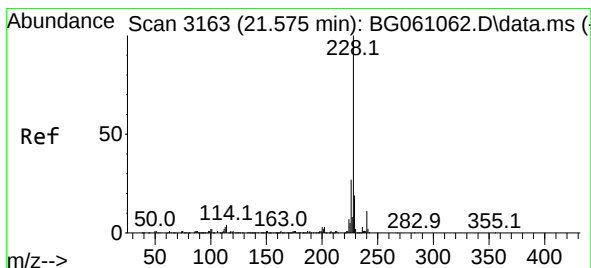
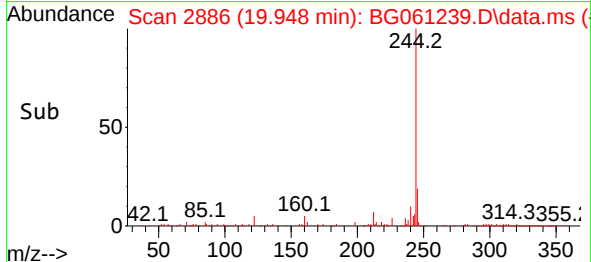
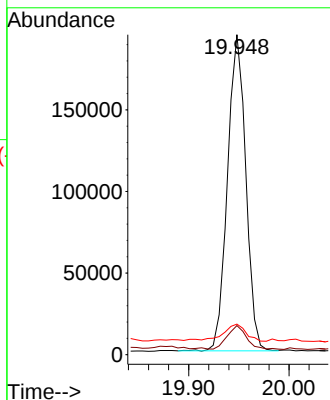
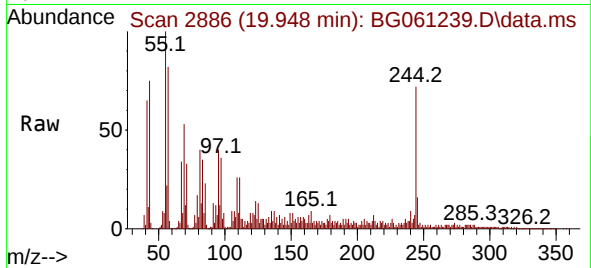




#79
 Terphenyl-d14
 Concen: 23.558 ng
 RT: 19.948 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10

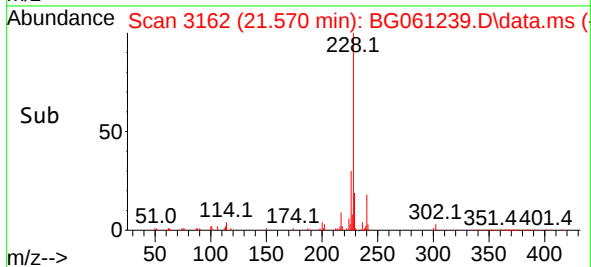
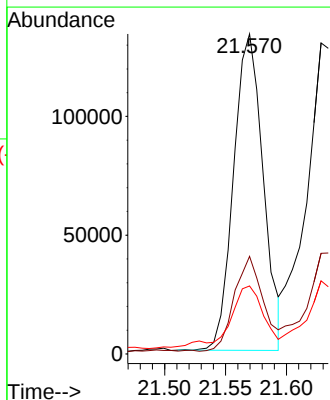
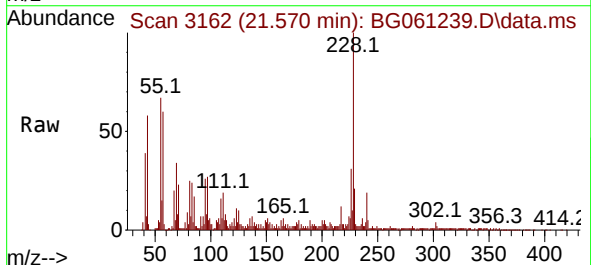
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-28452

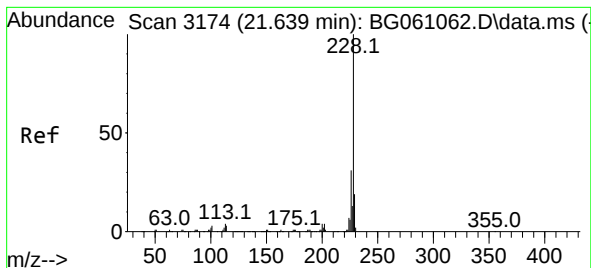
Tgt Ion:244 Resp: 245217
 Ion Ratio Lower Upper
 244 100
 212 9.1 5.7 8.5#
 122 9.6 4.2 6.2#



#81
 Benzo(a)anthracene
 Concen: 19.855 ng
 RT: 21.570 min Scan# 3162
 Delta R.T. -0.005 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10

Tgt Ion:228 Resp: 224928
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 21.2 15.0 22.4





#83

Chrysene

Concen: 21.193 ng

RT: 21.570 min Scan# 3162

Delta R.T. -0.070 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

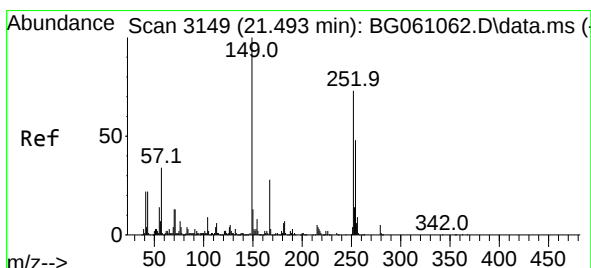
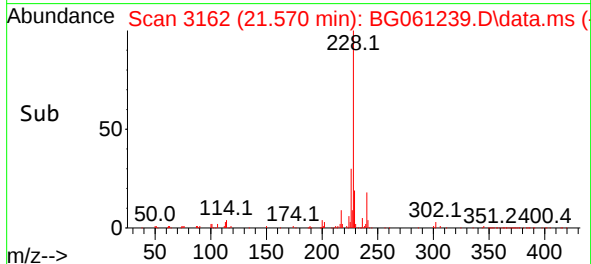
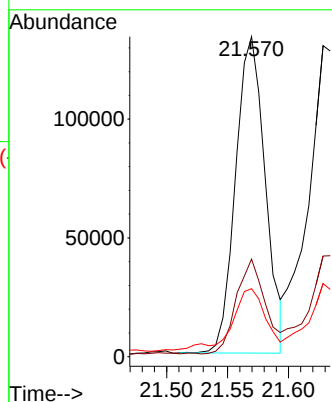
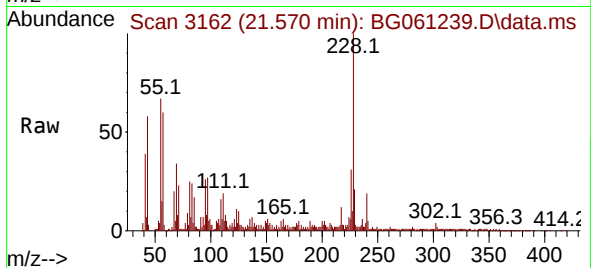
Tgt Ion:228 Resp: 224928

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 21.2 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.519 ng

RT: 21.470 min Scan# 3145

Delta R.T. -0.023 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

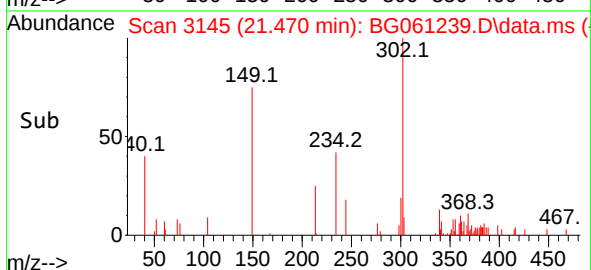
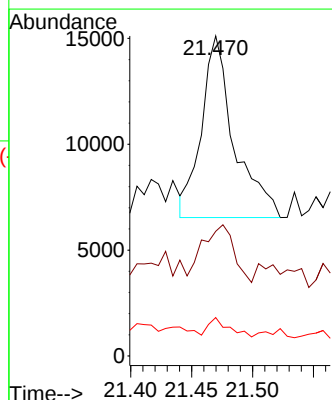
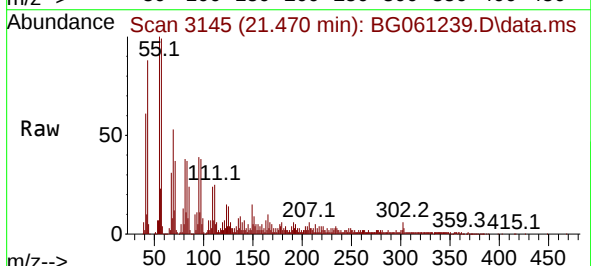
Tgt Ion:149 Resp: 16011

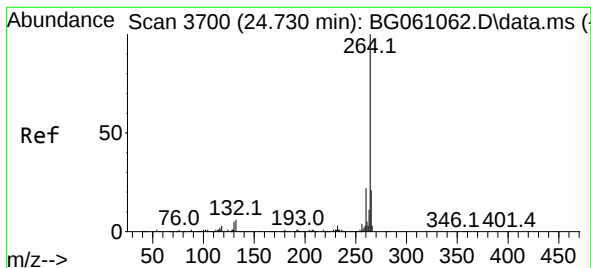
Ion Ratio Lower Upper

149 100

167 38.9 22.1 33.1#

279 12.0 4.1 6.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.707 min Scan# 3

Delta R.T. -0.023 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

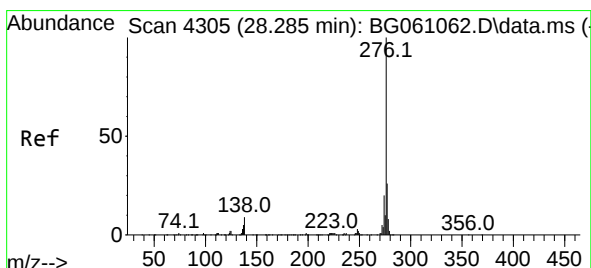
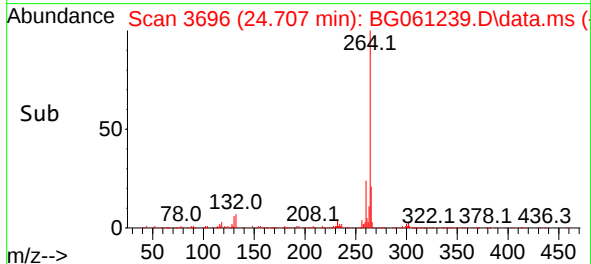
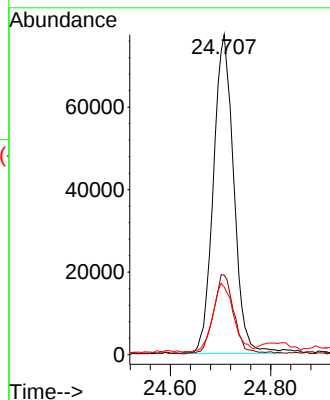
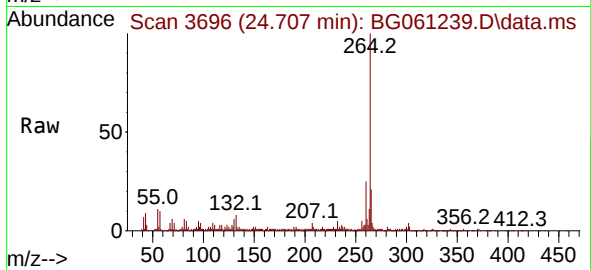
Tgt Ion:264 Resp: 217607

Ion Ratio Lower Upper

264 100

260 24.9 17.7 26.5

265 21.1 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.112 ng

RT: 28.250 min Scan# 4299

Delta R.T. -0.035 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

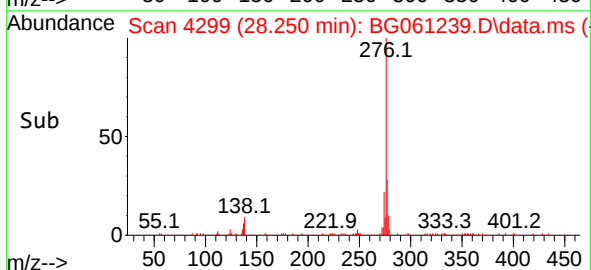
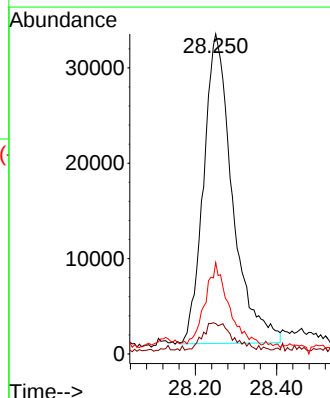
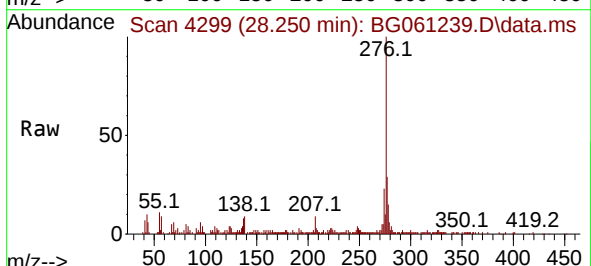
Tgt Ion:276 Resp: 160255

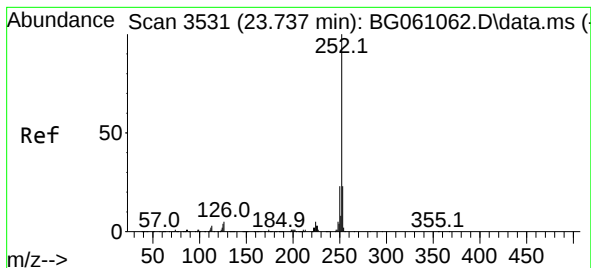
Ion Ratio Lower Upper

276 100

138 8.6 5.1 7.7#

277 21.9 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 28.683 ng

RT: 23.726 min Scan# 3529

Delta R.T. -0.011 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

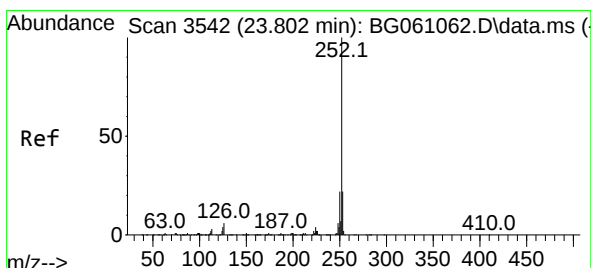
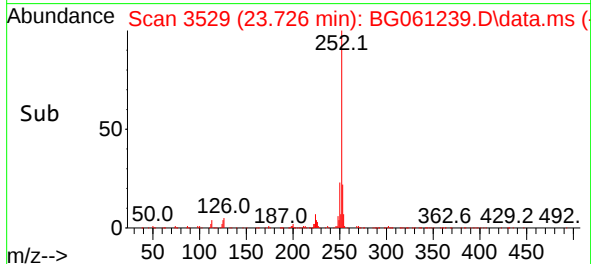
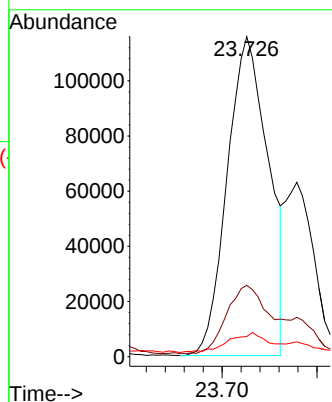
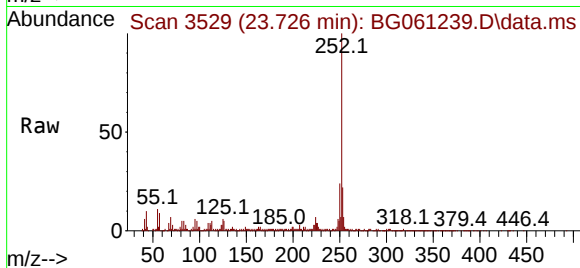
Tgt Ion:252 Resp: 348778

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 6.3 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 29.814 ng

RT: 23.726 min Scan# 3529

Delta R.T. -0.076 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

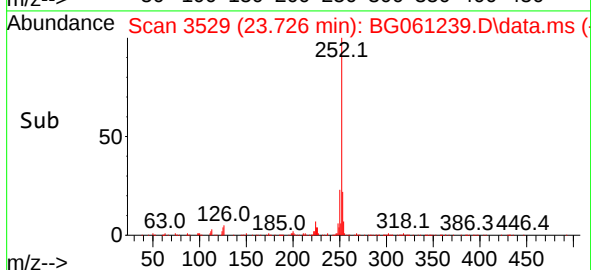
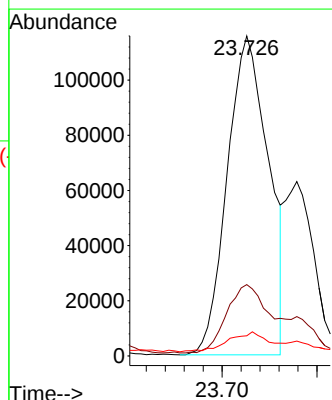
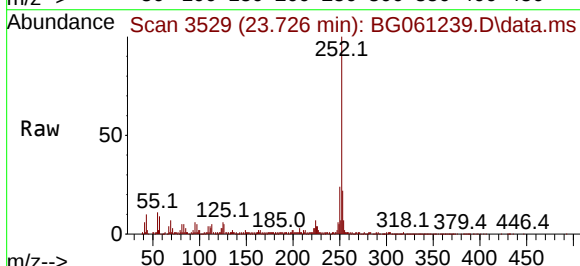
Tgt Ion:252 Resp: 348778

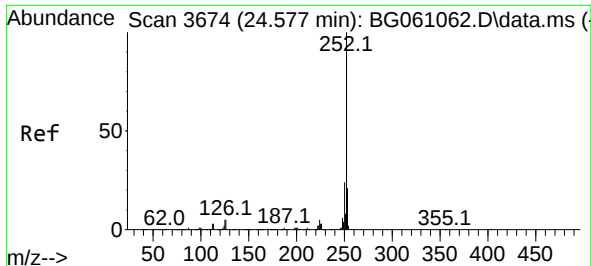
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 6.3 3.2 4.8#

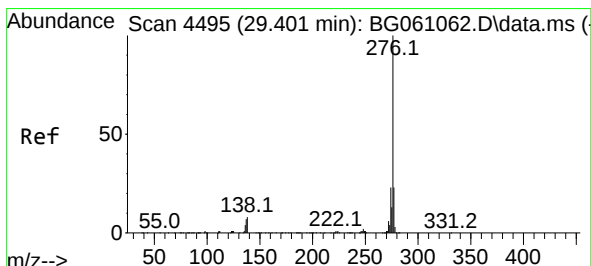
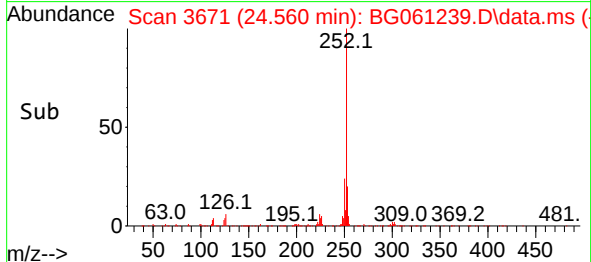
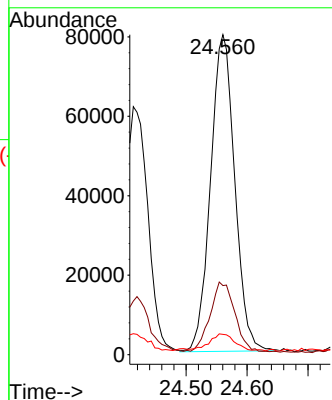
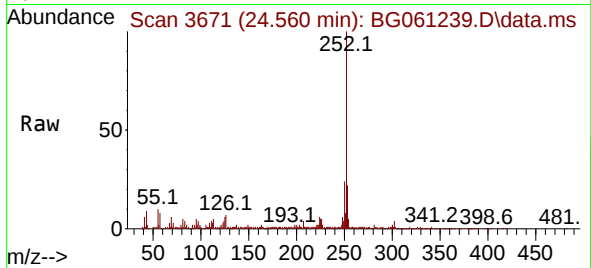




#90
Benzo(a)pyrene
Concen: 20.734 ng
RT: 24.560 min Scan# 30
Delta R.T. -0.017 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Instrument :
BNA_G
ClientSampleId :
CHRT-28452

Tgt Ion:252 Resp: 219654
Ion Ratio Lower Upper
252 100
253 21.6 16.9 25.3
125 6.3 3.8 5.8#



#92
Benzo(g,h,i)perylene
Concen: 12.776 ng
RT: 29.360 min Scan# 4488
Delta R.T. -0.040 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Tgt Ion:276 Resp: 151622
Ion Ratio Lower Upper
276 100
277 27.0 18.2 27.4
138 10.4 6.2 9.2#

