

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102622\
 Data File : BG055314.D
 Acq On : 27 Oct 2022 1:31
 Operator : CG/JU
 Sample : N5238-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430

Quant Time: Oct 27 10:45:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

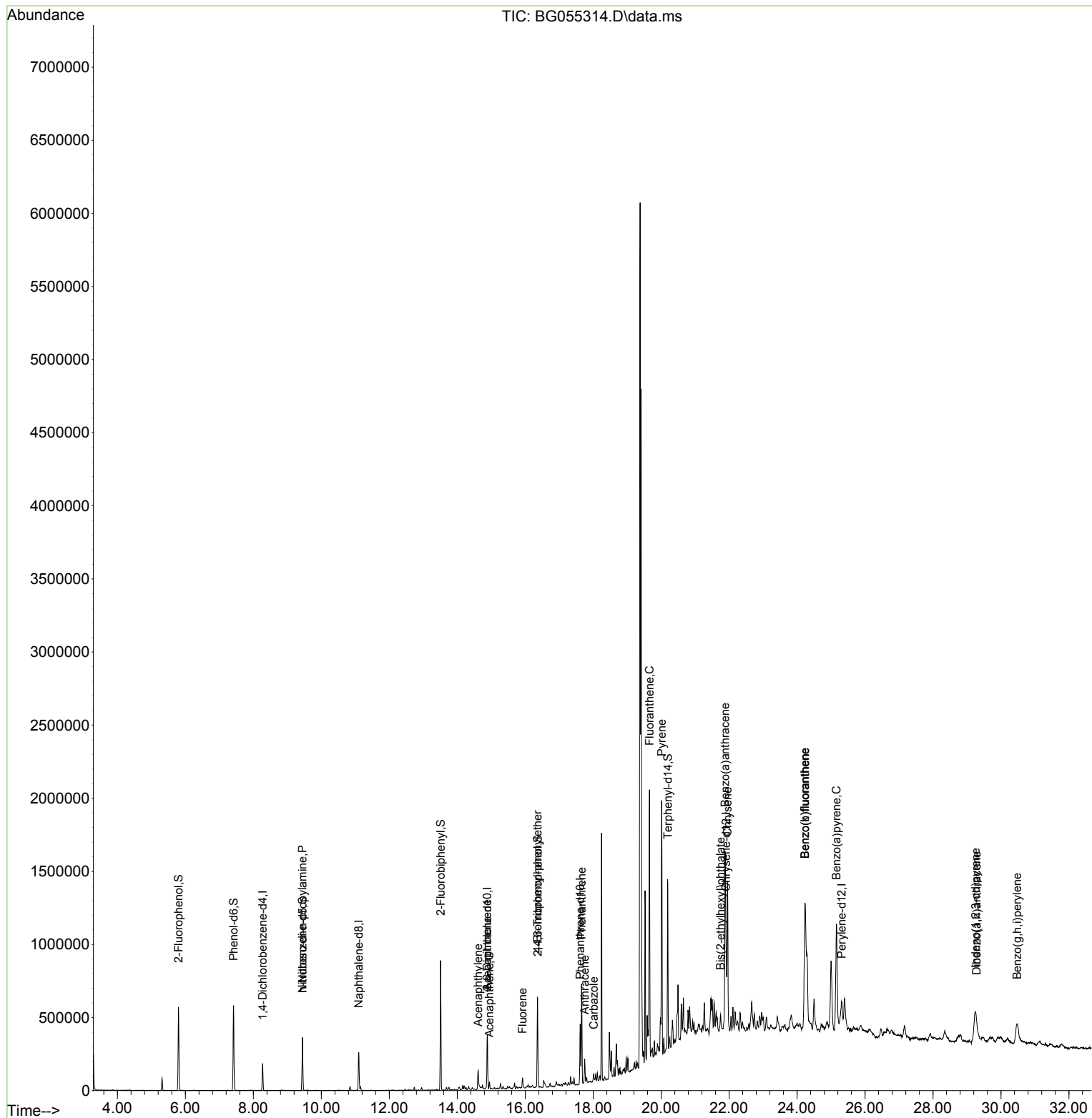
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	53322	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	226260	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	131550	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	255317	20.000	ng	0.00
76) Chrysene-d12	21.907	240	226395	20.000	ng	0.00
86) Perylene-d12	25.315	264	233144	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	263288	86.458	ng	0.00
7) Phenol-d6	7.418	99	358034	81.152	ng	0.00
23) Nitrobenzene-d5	9.445	82	226738	51.171	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	117182	81.942	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	433469	53.933	ng	0.00
79) Terphenyl-d14	20.197	244	532341	48.854	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.445	70	30379	8.292	ng	# 79
49) Acenaphthylene	14.616	152	158742	12.925	ng	99
51) 2,6-Dinitrotoluene	14.886	165	18337	8.725	ng	# 22
52) Acenaphthene	14.950	154	16412	2.096	ng	92
58) Fluorene	15.920	166	32332	3.308	ng	97
67) 4-Bromophenyl-phenylether	16.361	248	7714	3.110	ng	# 1
71) Phenanthrene	17.659	178	413528	30.370	ng	99
72) Anthracene	17.753	178	110323	8.288	ng	99
73) Carbazole	18.017	167	36476	2.849	ng	98
75) Fluoranthene	19.657	202	1128923	71.153	ng	98
78) Pyrene	20.015	202	1077046	69.406	ng	96
81) Benzo(a)anthracene	21.884	228	782418	51.465	ng	97
83) Chrysene	21.954	228	748029	51.799	ng	97
84) Bis(2-ethylhexyl)phtha...	21.748	149	22888	2.185	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.251	276	480776	27.920	ng	94
88) Benzo(b)fluoranthene	24.234	252	1171405	83.528	ng	97
89) Benzo(k)fluoranthene	24.234	252	1171405	82.721	ng	99
90) Benzo(a)pyrene	25.162	252	915236	76.103	ng	97
91) Dibenzo(a,h)anthracene	29.281	278	108312	7.665	ng	# 87
92) Benzo(g,h,i)perylene	30.479	276	453853	32.381	ng	98

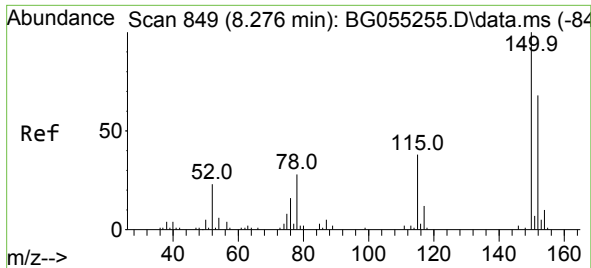
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration

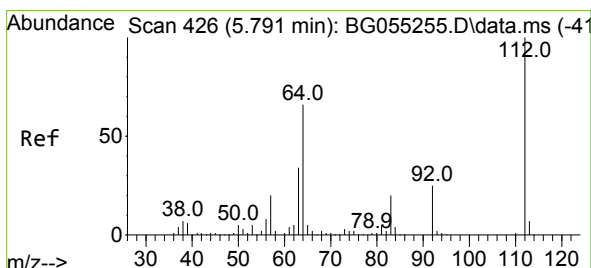
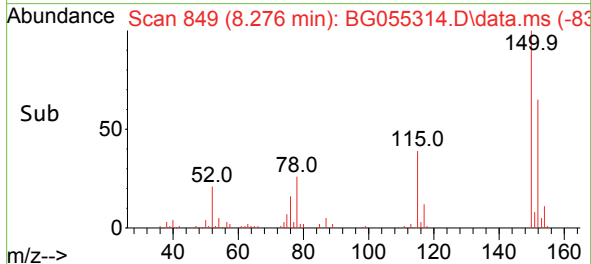
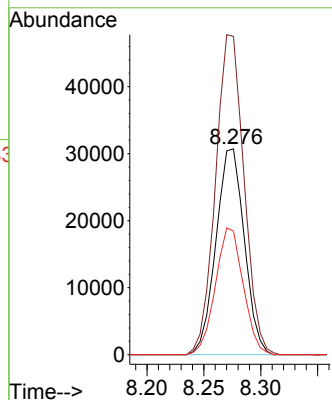
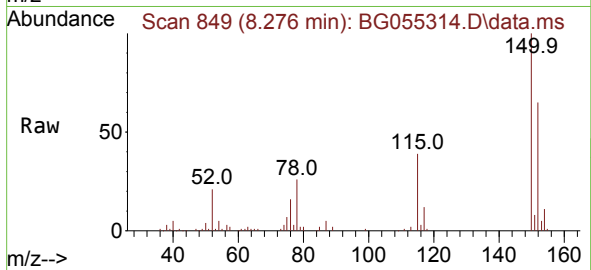




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

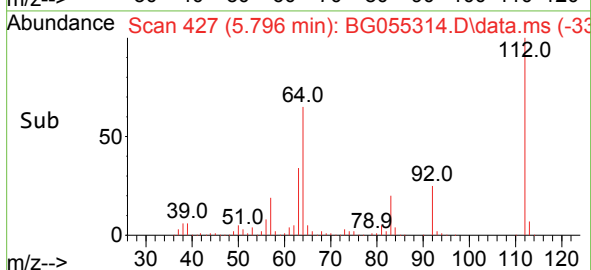
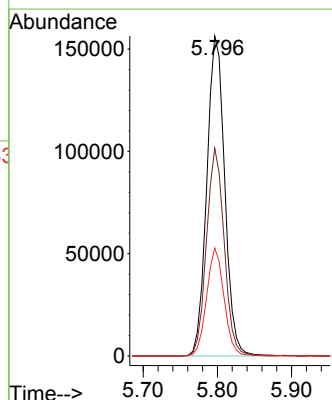
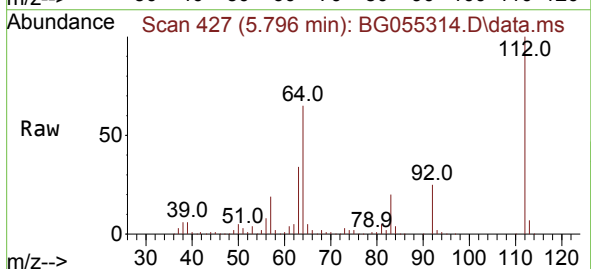
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

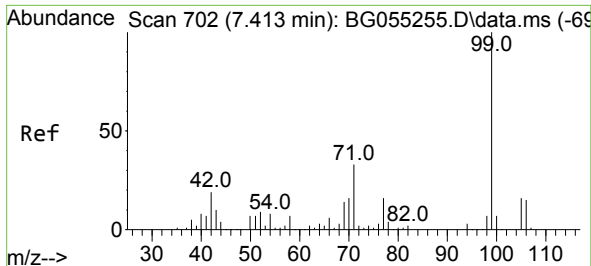
Tgt Ion:152 Resp: 53322
Ion Ratio Lower Upper
152 100
150 154.7 118.2 177.4
115 60.1 44.5 66.7



#5
2-Fluorophenol
Concen: 86.458 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:112 Resp: 263288
Ion Ratio Lower Upper
112 100
64 64.9 52.6 78.8
63 33.8 27.1 40.7

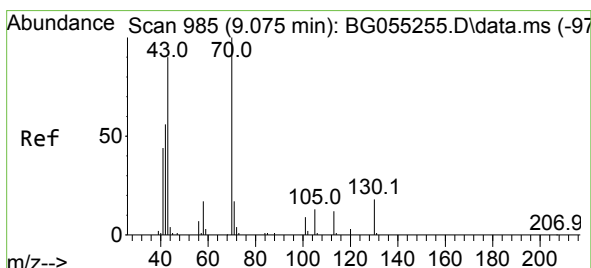
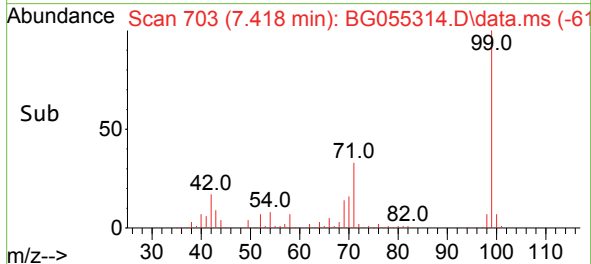
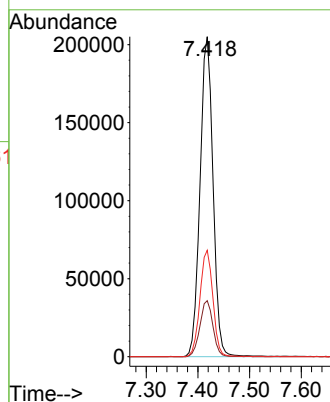
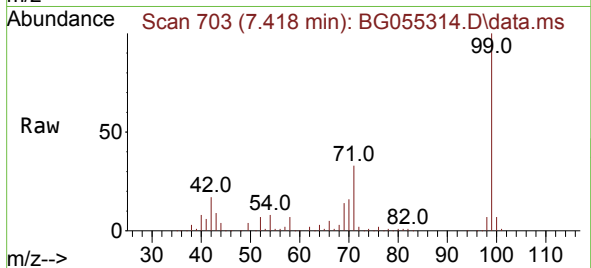




#7
Phenol-d6
Concen: 81.152 ng
RT: 7.418 min Scan# 70
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

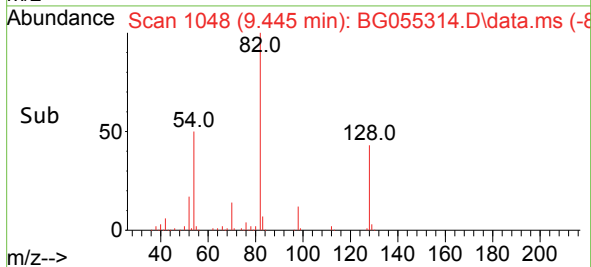
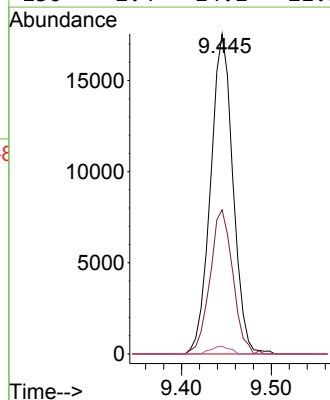
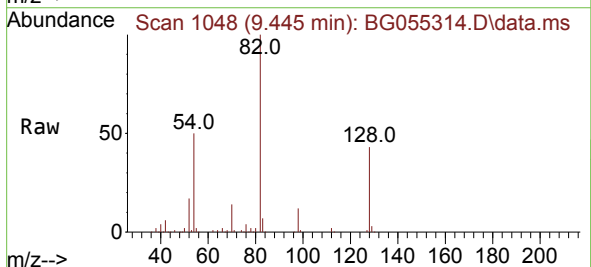
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

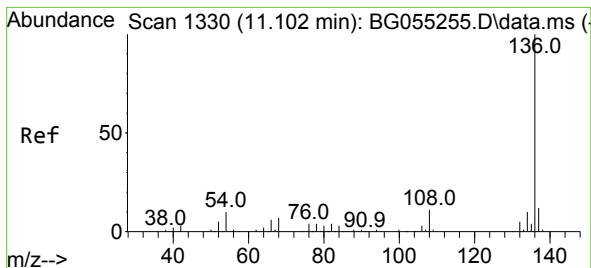
Tgt Ion: 99 Resp: 358034
Ion Ratio Lower Upper
99 100
42 17.5 15.2 22.8
71 33.2 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.292 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.370 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion: 70 Resp: 30379
Ion Ratio Lower Upper
70 100
42 45.1 45.8 68.6#
101 0.0 7.4 11.0#
130 2.4 14.1 21.1#

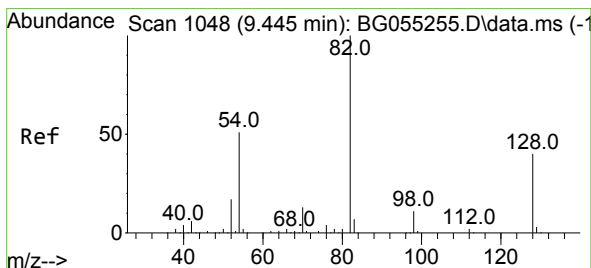
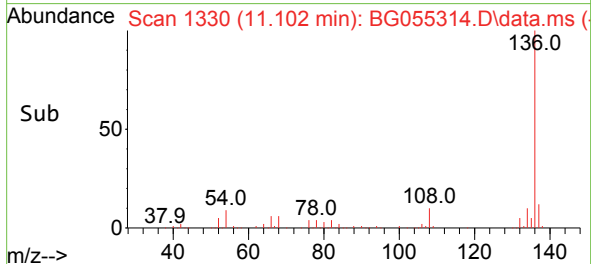
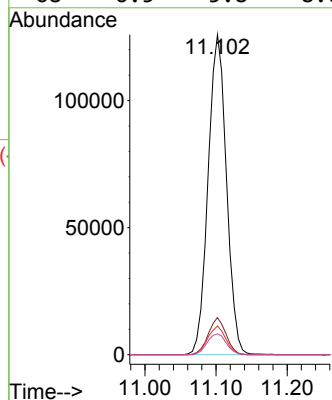
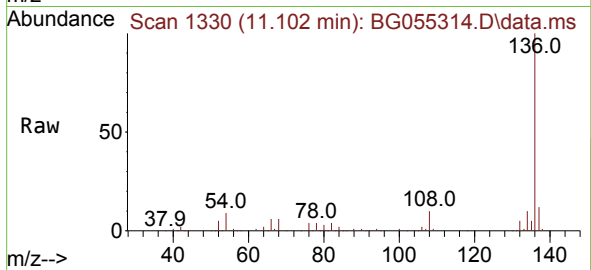




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

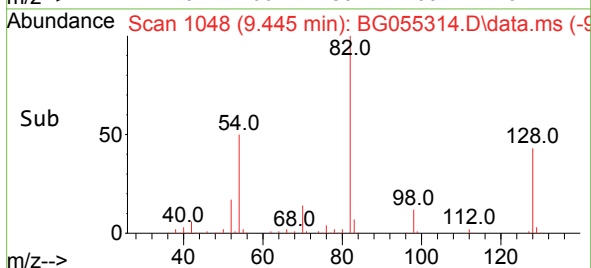
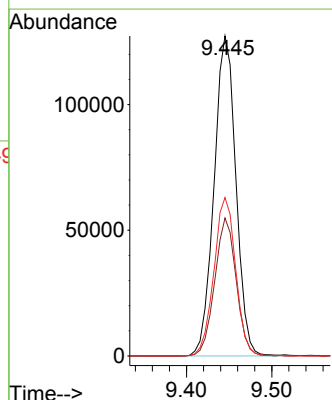
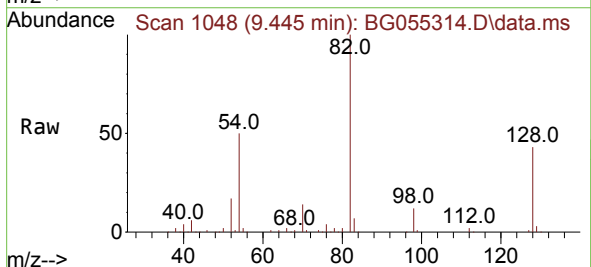
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

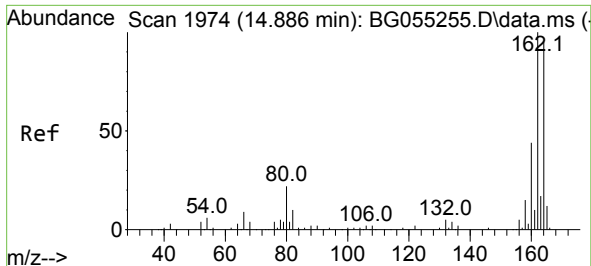
Tgt Ion:	136	Resp:	226260
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	8.9	7.8	11.8
68	6.5	5.8	8.6



#23
Nitrobenzene-d5
Concen: 51.171 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

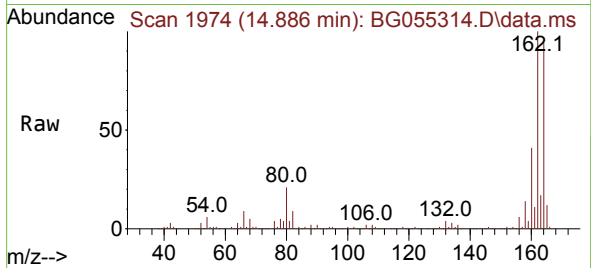
Tgt Ion:	82	Resp:	226738
Ion Ratio	Lower	Upper	
82	100		
128	43.1	32.0	48.0
54	49.5	40.9	61.3



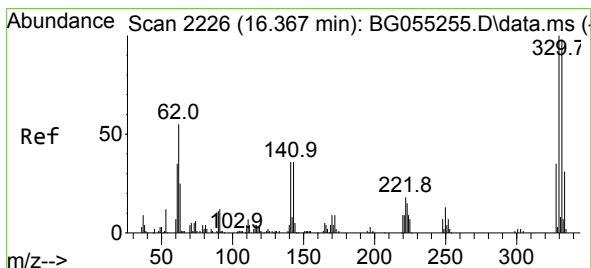
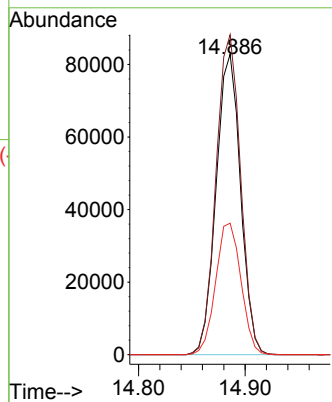
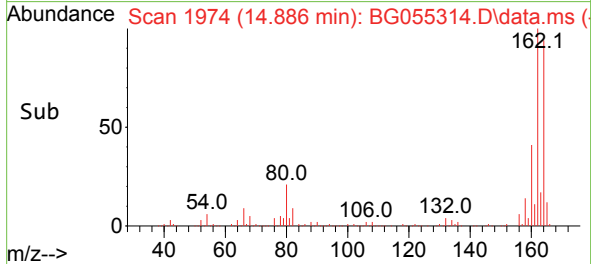


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

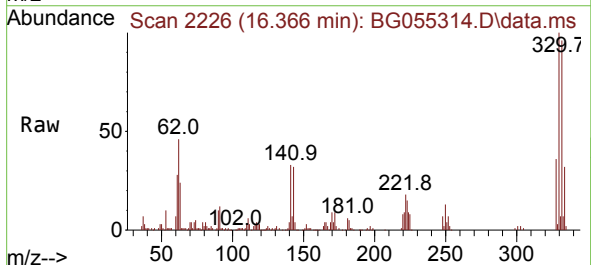
Instrument :
BNA_G
ClientSampleId :
CHRT-20430



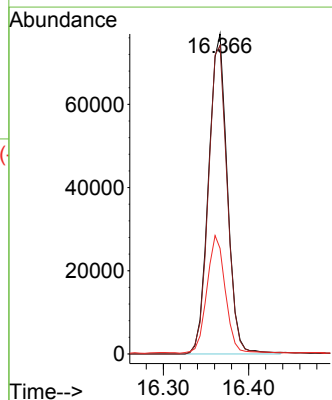
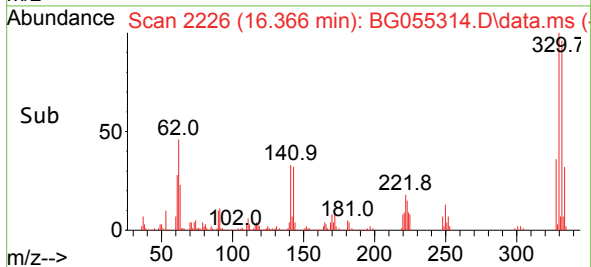
Tgt Ion:164 Resp: 131550
Ion Ratio Lower Upper
164 100
162 106.5 84.0 126.0
160 43.8 36.7 55.1

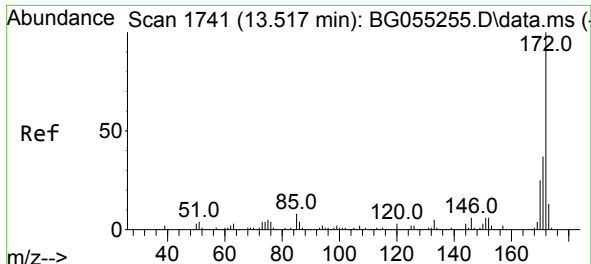


#42
2,4,6-Tribromophenol
Concen: 81.942 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31



Tgt Ion:330 Resp: 117182
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 36.3 29.8 44.8

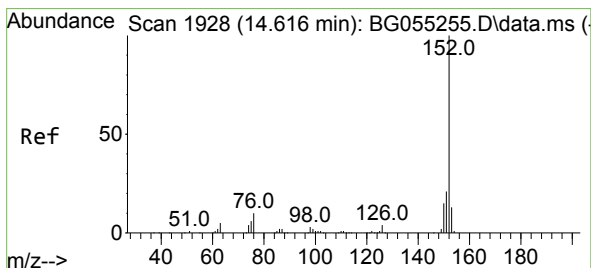
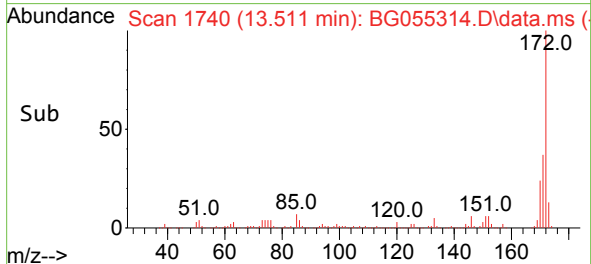
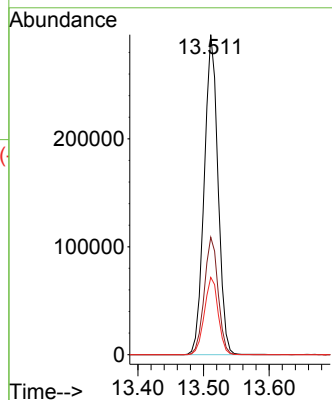
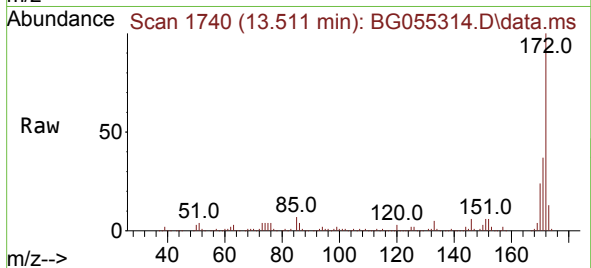




#45
2-Fluorobiphenyl
Concen: 53.933 ng
RT: 13.511 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

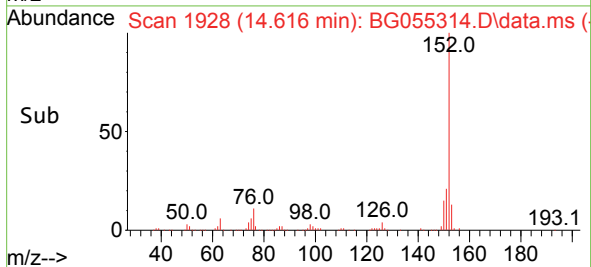
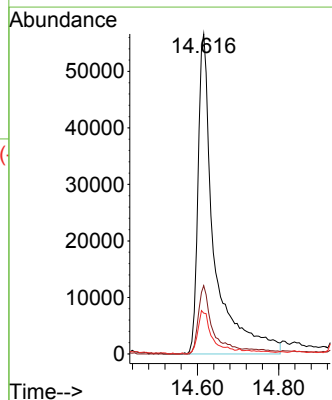
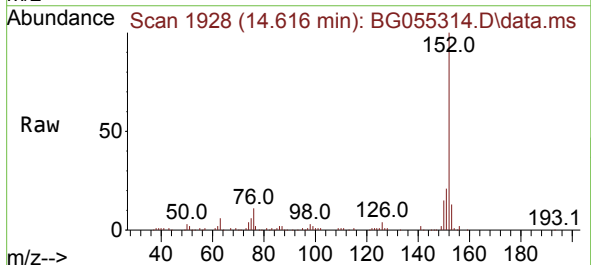
Instrument :
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ClientSampleId :
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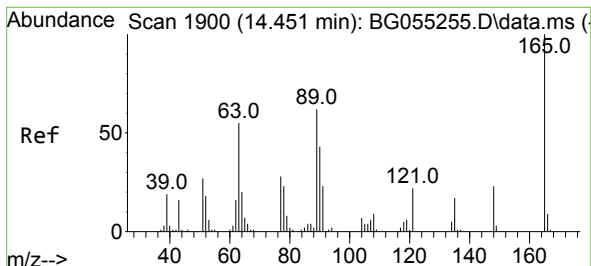
Tgt Ion:172 Resp: 433469
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.2 20.2 30.2



#49
Acenaphthylene
Concen: 12.925 ng
RT: 14.616 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:152 Resp: 158742
Ion Ratio Lower Upper
152 100
151 21.4 16.6 25.0
153 12.7 10.5 15.7

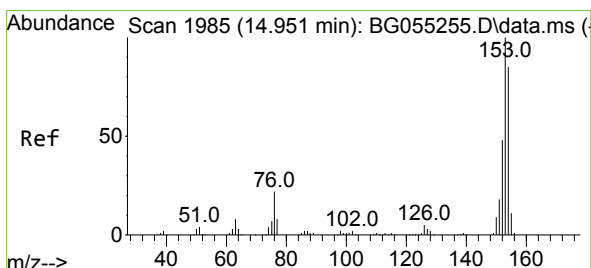
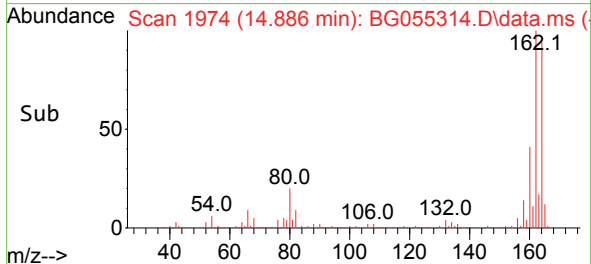
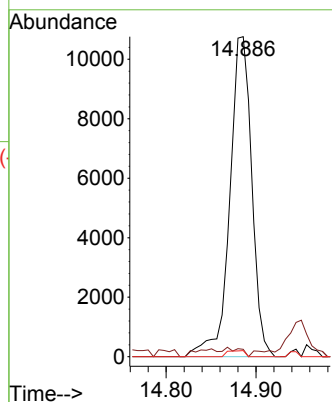
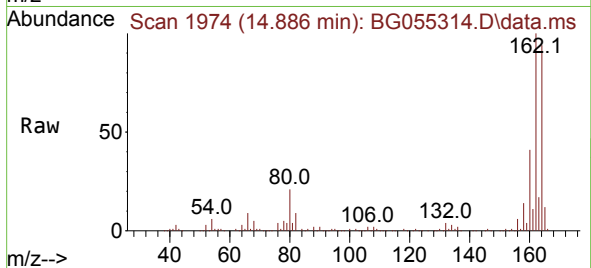




#51
2,6-Dinitrotoluene
Concen: 8.725 ng
RT: 14.886 min Scan# 1900
Delta R.T. 0.434 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

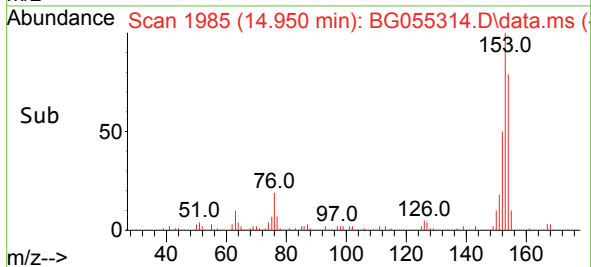
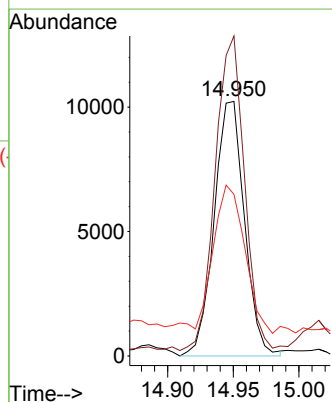
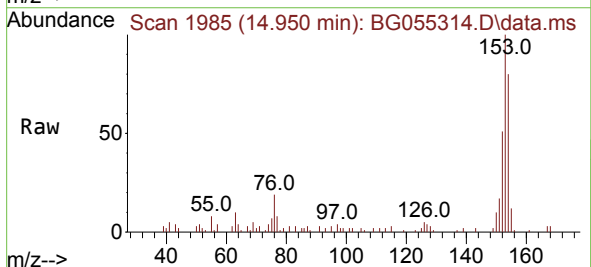
Instrument :
BNA_G
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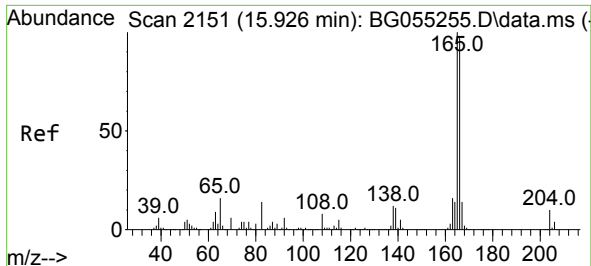
Tgt Ion:165 Resp: 18337
Ion Ratio Lower Upper
165 100
63 2.3 49.2 73.8#
89 1.9 49.9 74.9#



#52
Acenaphthene
Concen: 2.096 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:154 Resp: 16412
Ion Ratio Lower Upper
154 100
153 125.7 94.3 141.5
152 63.5 45.3 67.9

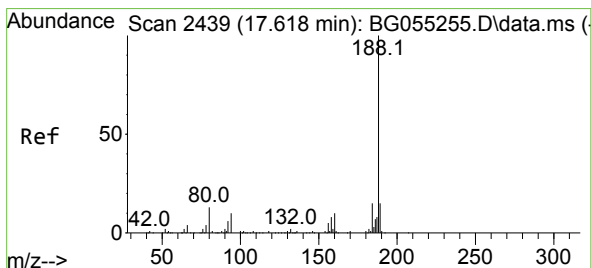
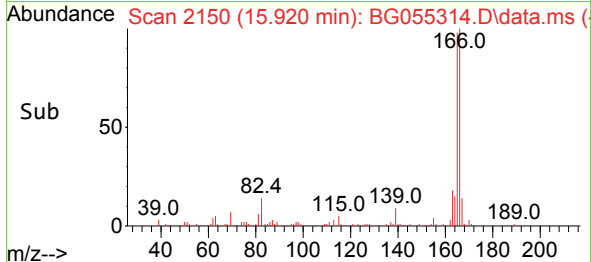
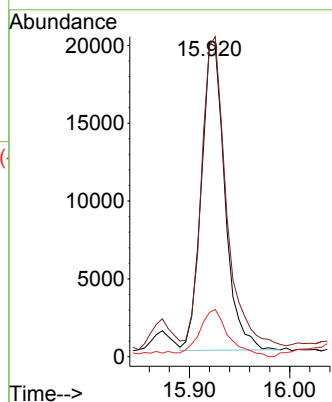
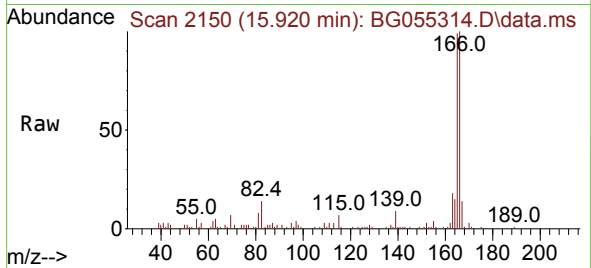




#58
Fluorene
Concen: 3.308 ng
RT: 15.920 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

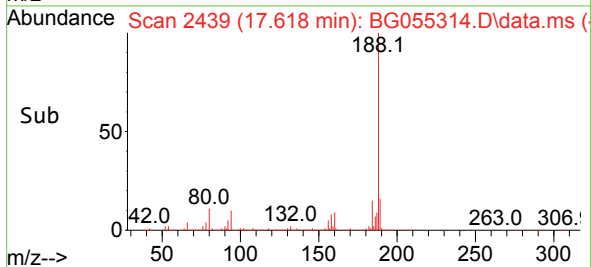
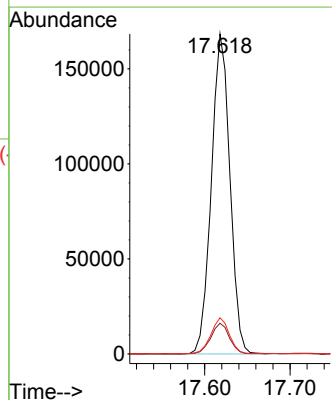
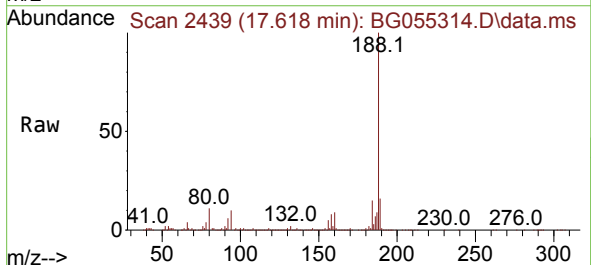
Instrument :
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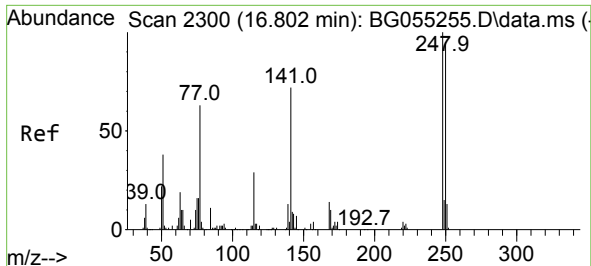
Tgt Ion:166 Resp: 32332
Ion Ratio Lower Upper
166 100
165 99.1 82.4 123.6
167 14.1 11.5 17.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:188 Resp: 255317
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.4
80 11.3 10.1 15.1

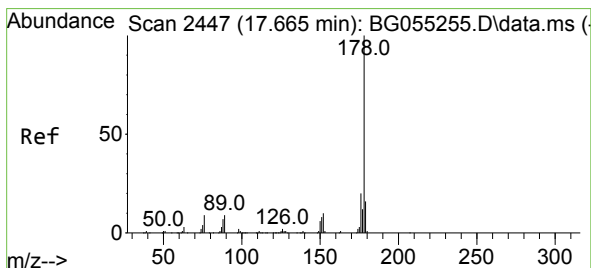
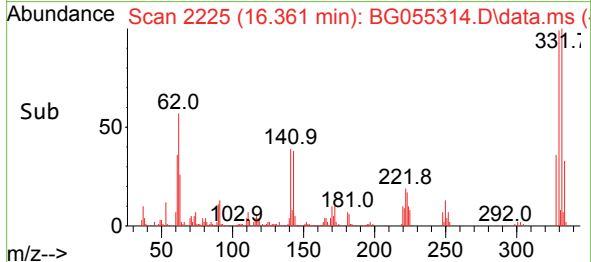
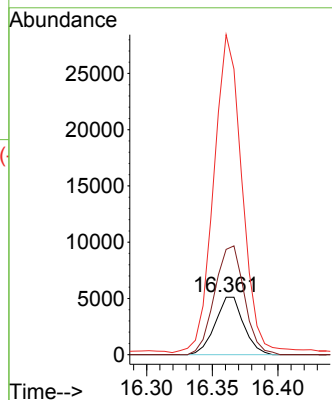
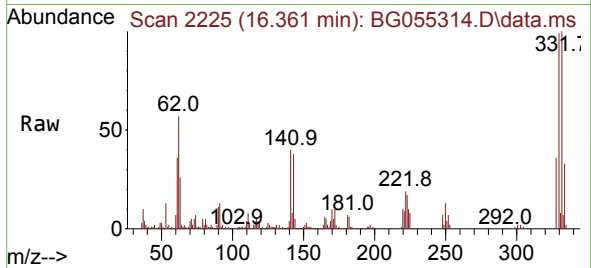




#67
4-Bromophenyl-phenylether
Concen: 3.110 ng
RT: 16.361 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

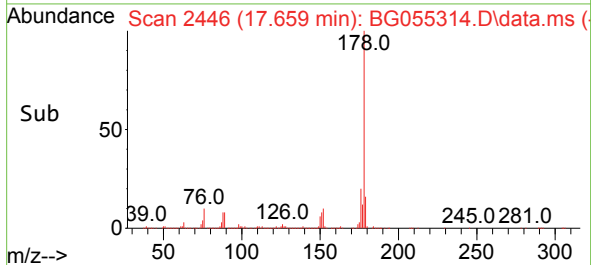
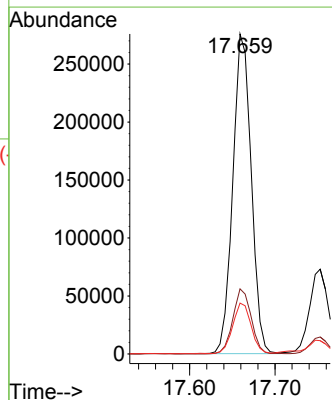
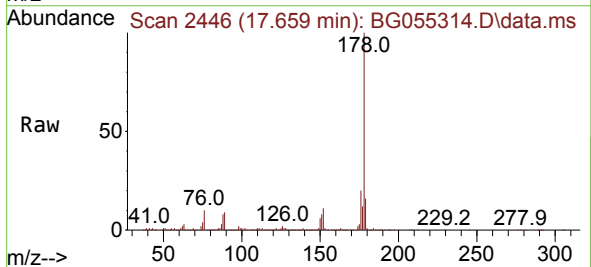
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

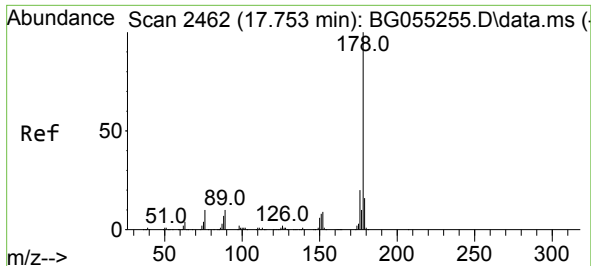
Tgt Ion:248 Resp: 7714
Ion Ratio Lower Upper
248 100
250 183.0 76.0 114.0#
141 556.6 58.0 87.0#



#71
Phenanthrene
Concen: 30.370 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:178 Resp: 413528
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 15.9 12.6 19.0

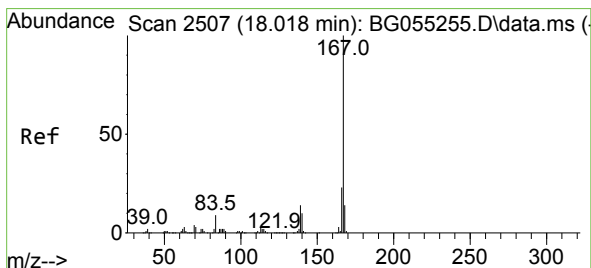
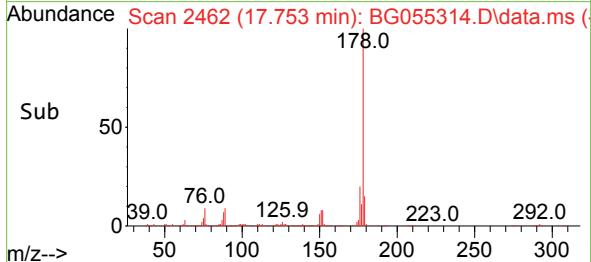
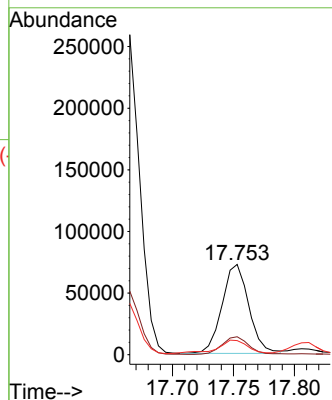
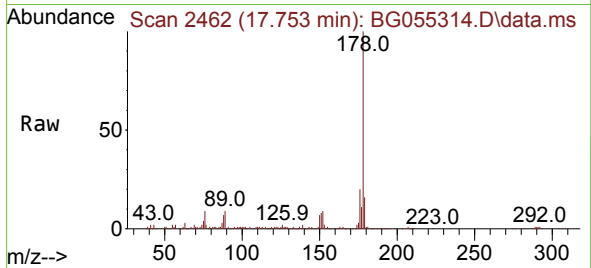




#72
 Anthracene
 Concen: 8.288 ng
 RT: 17.753 min Scan# 2462
 Delta R.T. -0.000 min
 Lab File: BG055314.D
 Acq: 27 Oct 2022 1:31

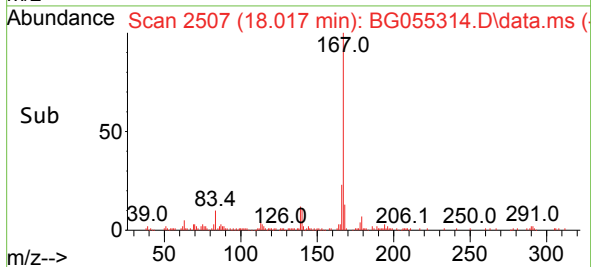
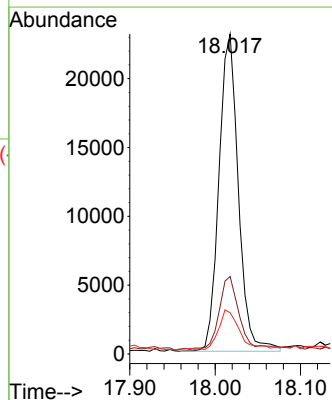
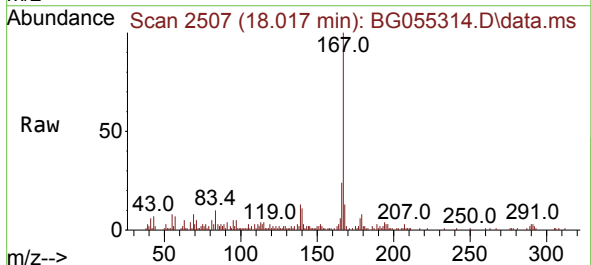
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430

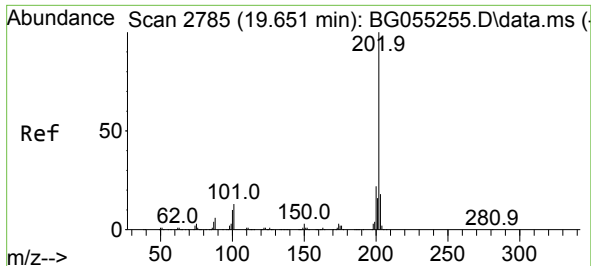
Tgt Ion:178 Resp: 110323
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.7 23.5
 179 15.6 12.9 19.3



#73
 Carbazole
 Concen: 2.849 ng
 RT: 18.017 min Scan# 2507
 Delta R.T. -0.000 min
 Lab File: BG055314.D
 Acq: 27 Oct 2022 1:31

Tgt Ion:167 Resp: 36476
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.6 27.8
 139 12.9 10.9 16.3

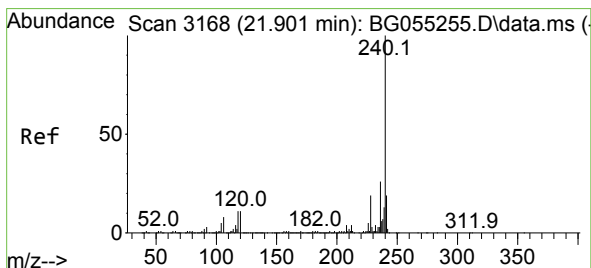
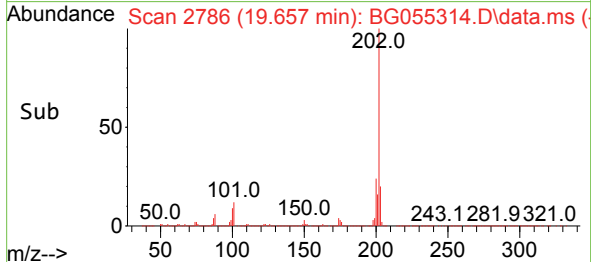
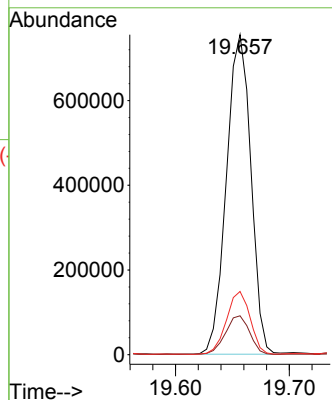
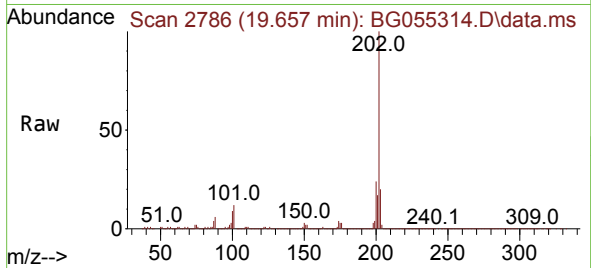




#75
Fluoranthene
Concen: 71.153 ng
RT: 19.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

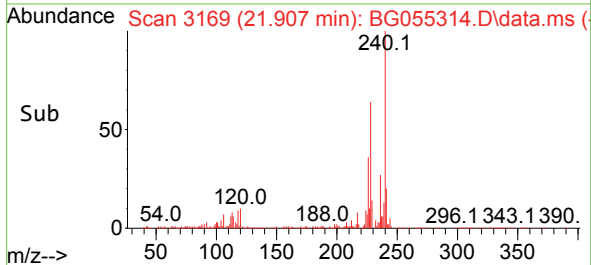
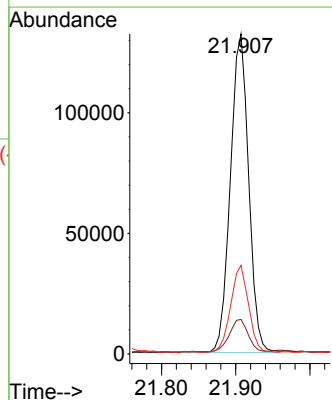
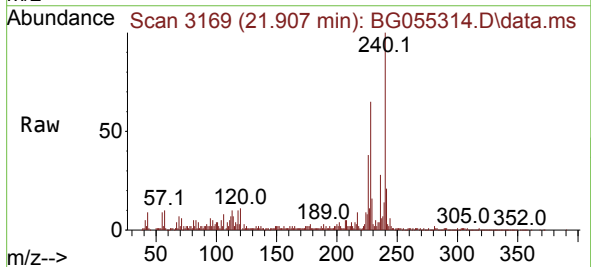
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

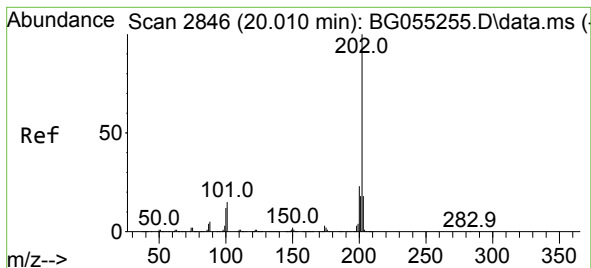
Tgt Ion:202 Resp: 1128923
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.6
203 19.7 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:240 Resp: 226395
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 27.7 21.0 31.4





#78

Pyrene

Concen: 69.406 ng

RT: 20.015 min Scan# 2

Delta R.T. 0.005 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

Instrument :

BNA_G

ClientSampleId :

CHRT-20430

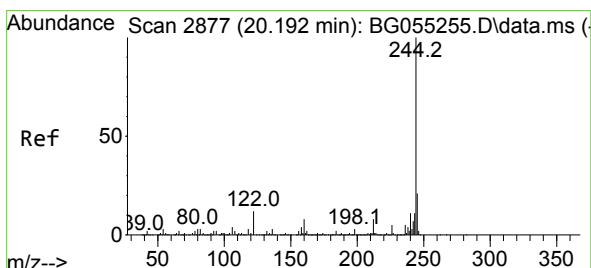
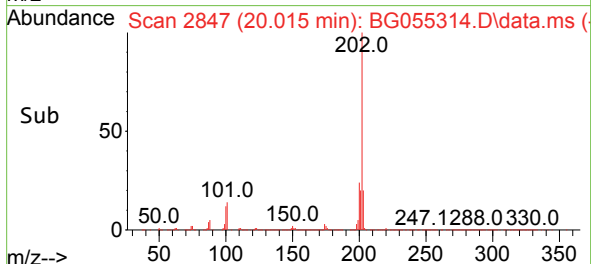
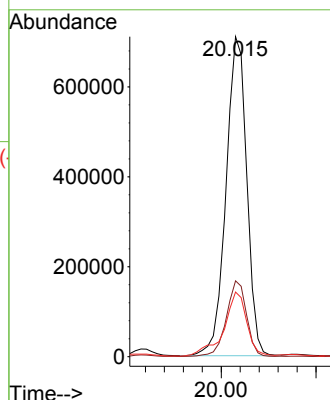
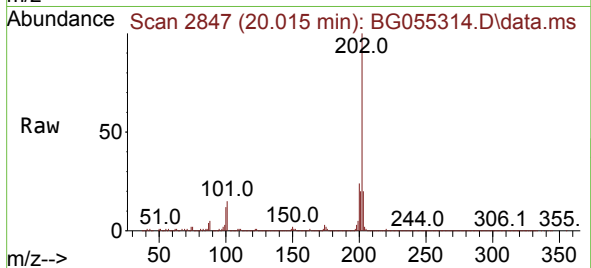
Tgt Ion:202 Resp: 1077046

Ion Ratio Lower Upper

202 100

200 23.7 18.0 27.0

203 20.2 14.3 21.5



#79

Terphenyl-d14

Concen: 48.854 ng

RT: 20.197 min Scan# 2878

Delta R.T. 0.006 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

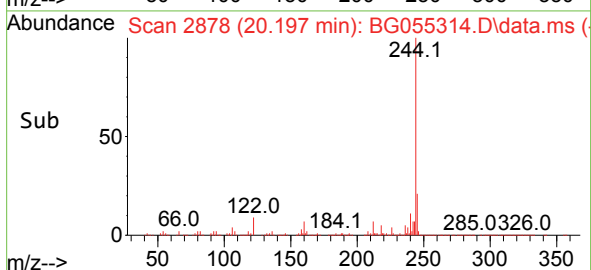
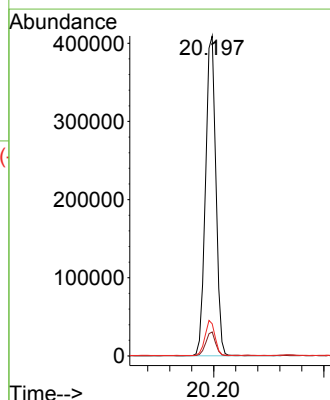
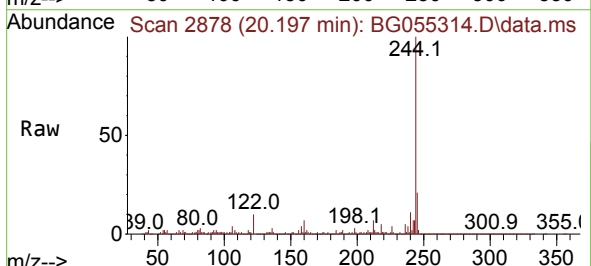
Tgt Ion:244 Resp: 532341

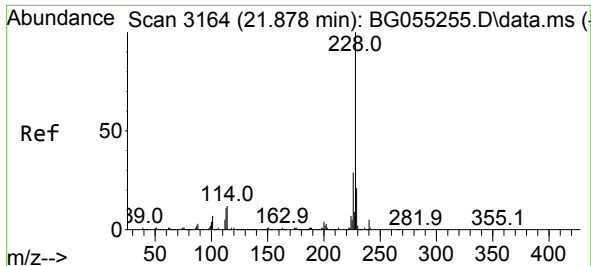
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 10.0 9.6 14.4

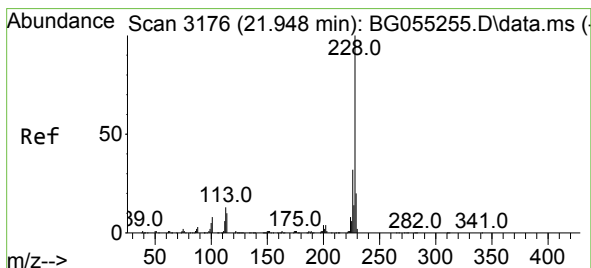
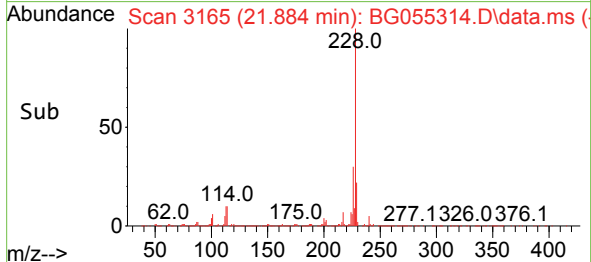
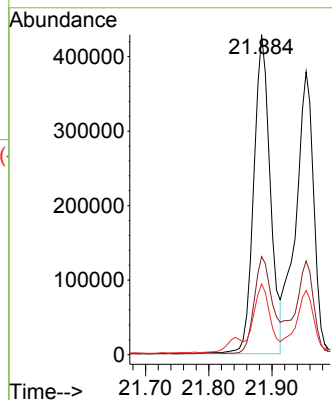
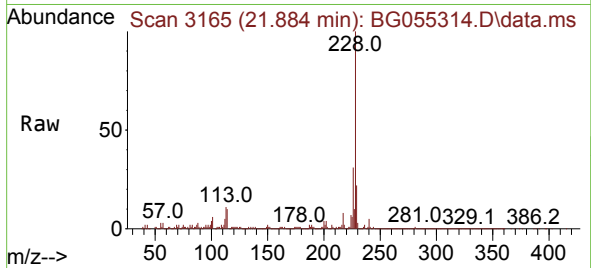




#81
Benzo(a)anthracene
Concen: 51.465 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

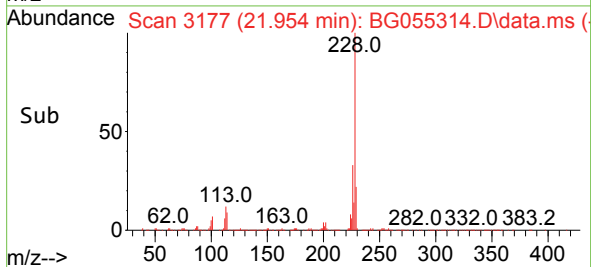
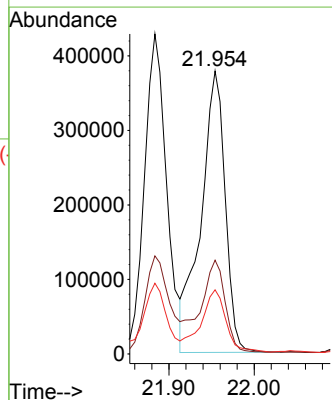
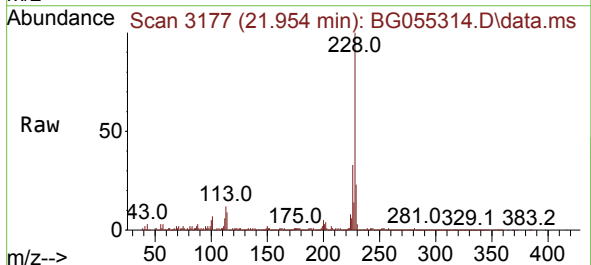
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

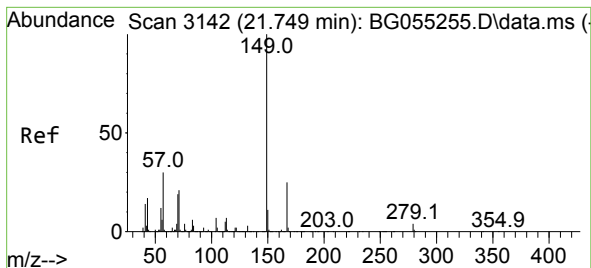
Tgt Ion:228 Resp: 782418
Ion Ratio Lower Upper
228 100
226 30.7 22.9 34.3
229 22.1 16.7 25.1



#83
Chrysene
Concen: 51.799 ng
RT: 21.954 min Scan# 3177
Delta R.T. 0.006 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:228 Resp: 748029
Ion Ratio Lower Upper
228 100
226 33.1 25.8 38.8
229 22.7 16.3 24.5

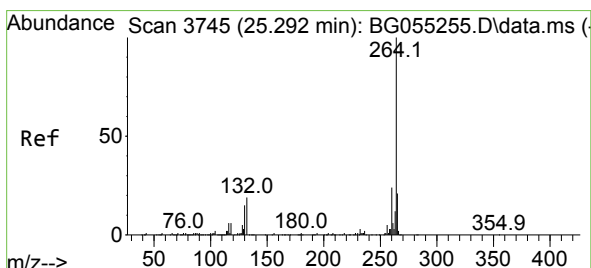
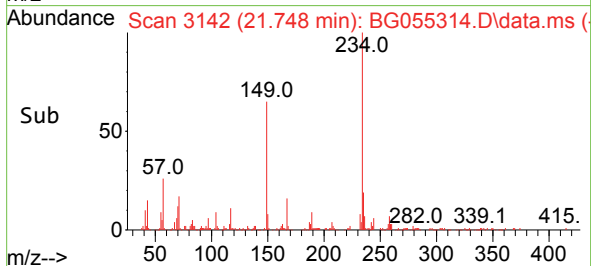
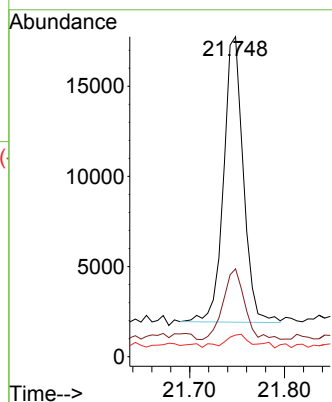
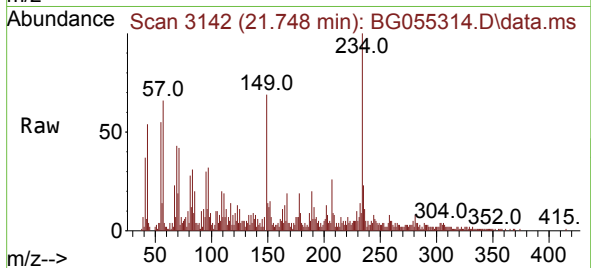




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.185 ng
 RT: 21.748 min Scan# 3142
 Delta R.T. -0.000 min
 Lab File: BG055314.D
 Acq: 27 Oct 2022 1:31

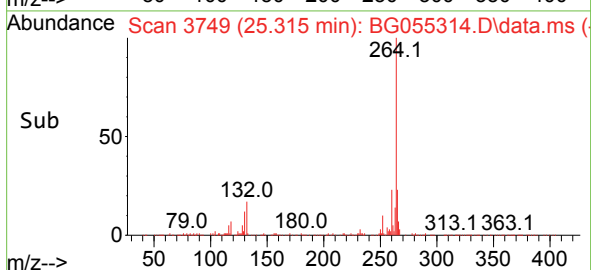
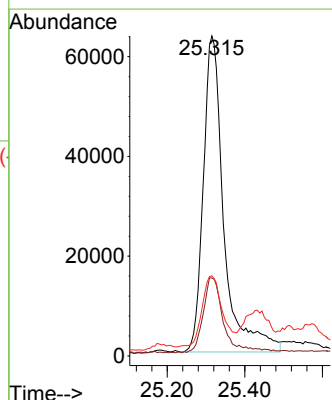
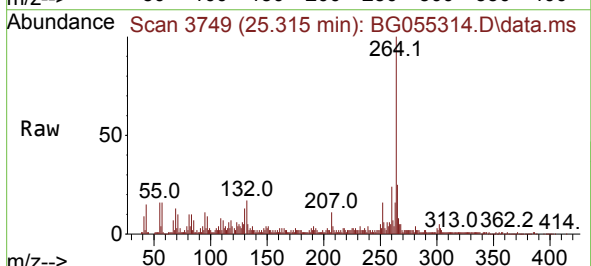
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-20430

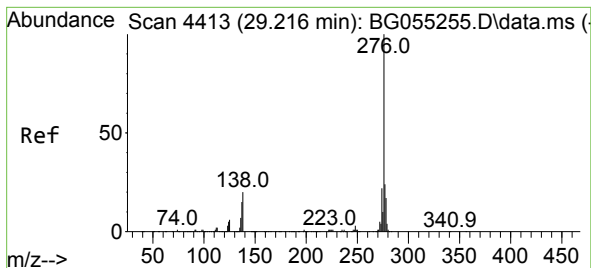
Tgt Ion:149 Resp: 22888
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.2 30.2
 279 6.7 2.8 4.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.315 min Scan# 3749
 Delta R.T. 0.023 min
 Lab File: BG055314.D
 Acq: 27 Oct 2022 1:31

Tgt Ion:264 Resp: 233144
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 25.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.920 ng

RT: 29.251 min Scan# 4413

Delta R.T. 0.035 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

Instrument :

BNA_G

ClientSampleId :

CHRT-20430

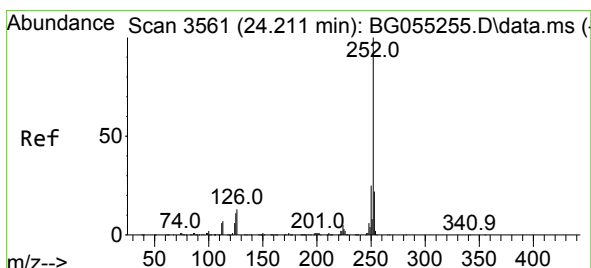
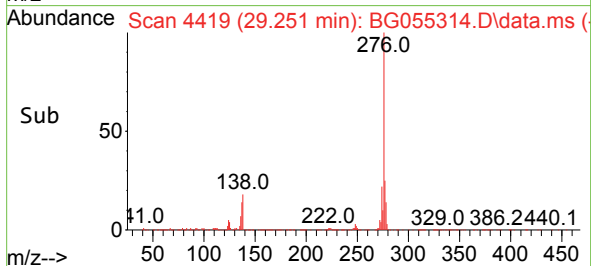
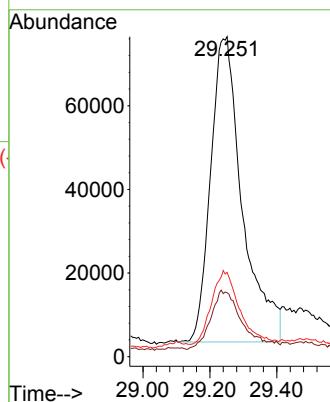
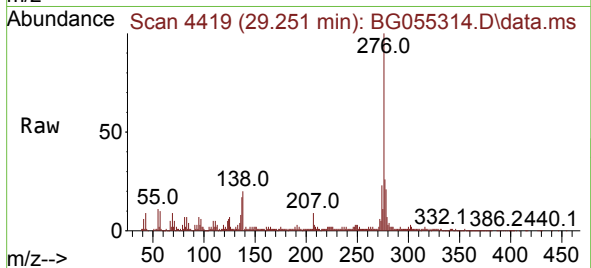
Tgt Ion:276 Resp: 480776

Ion Ratio Lower Upper

276 100

138 19.3 13.9 20.9

277 21.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 83.528 ng

RT: 24.234 min Scan# 3565

Delta R.T. 0.023 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

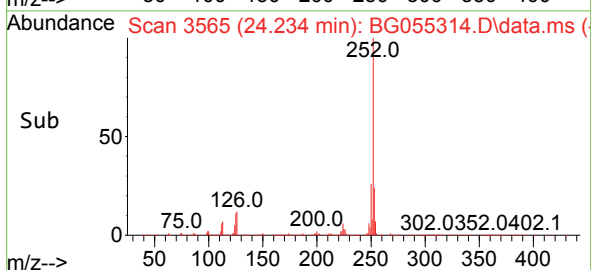
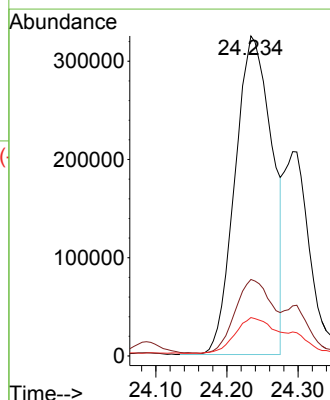
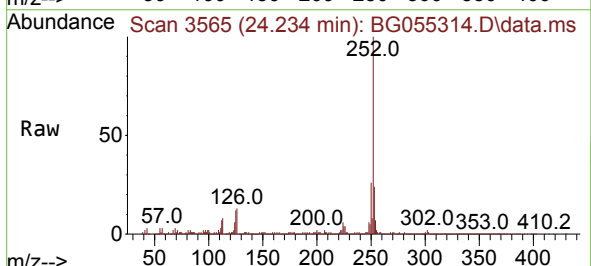
Tgt Ion:252 Resp: 1171405

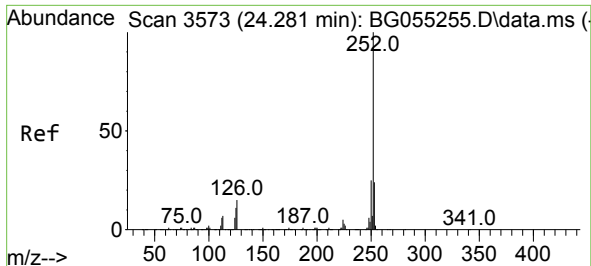
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 12.0 9.0 13.4

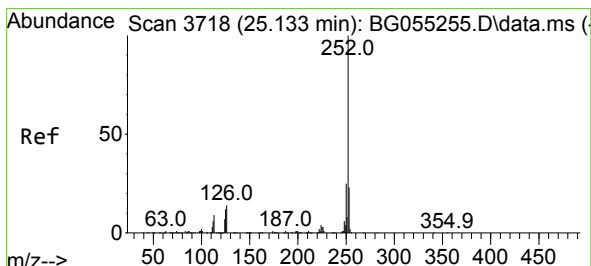
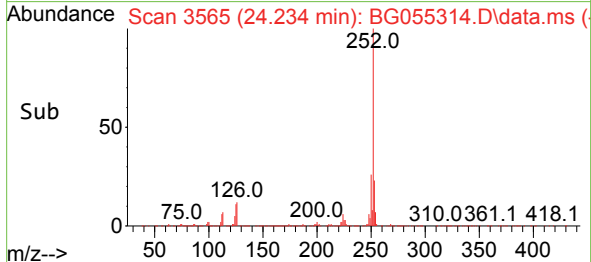
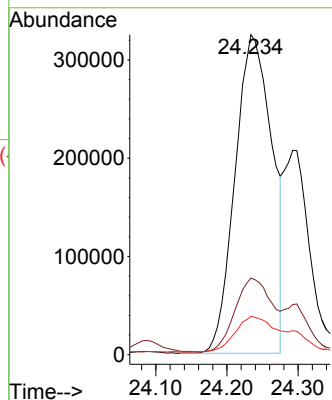
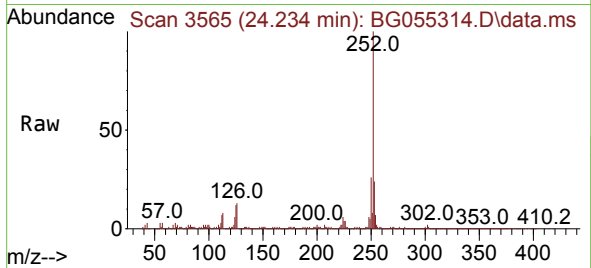




#89
Benzo(k)fluoranthene
Concen: 82.721 ng
RT: 24.234 min Scan# 311
Delta R.T. -0.047 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

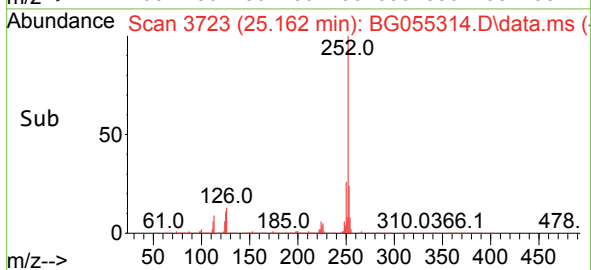
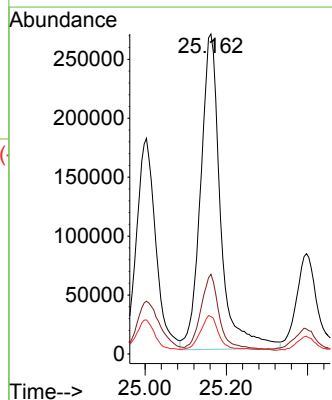
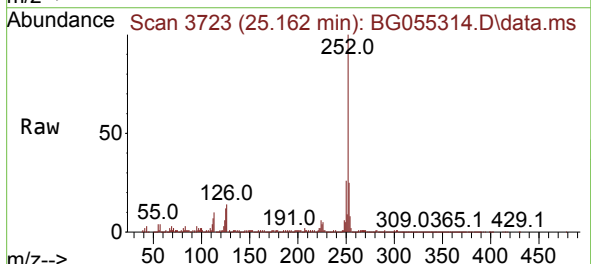
Instrument :
BNA_G
ClientSampleId :
CHRT-20430

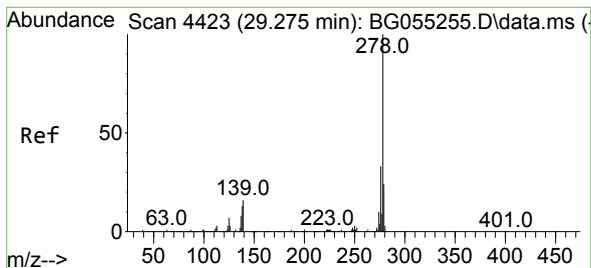
Tgt Ion:252 Resp: 1171405
Ion Ratio Lower Upper
252 100
253 23.9 18.6 27.8
125 12.0 9.1 13.7



#90
Benzo(a)pyrene
Concen: 76.103 ng
RT: 25.162 min Scan# 3723
Delta R.T. 0.029 min
Lab File: BG055314.D
Acq: 27 Oct 2022 1:31

Tgt Ion:252 Resp: 915236
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 11.7 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 7.665 ng

RT: 29.281 min Scan# 4423

Delta R.T. 0.006 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

Instrument :

BNA_G

ClientSampleId :

CHRT-20430

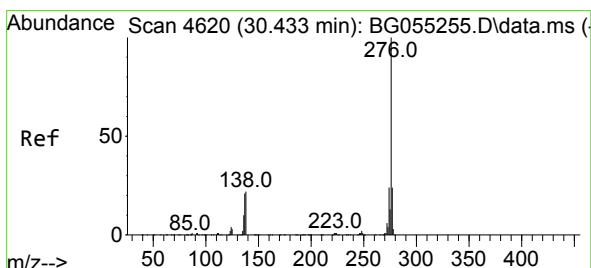
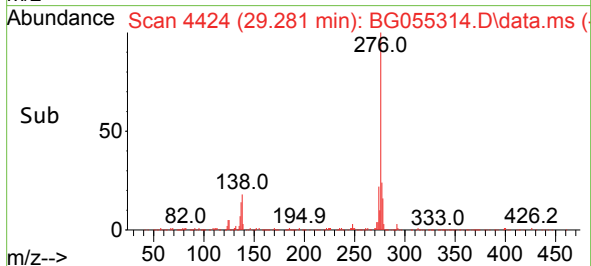
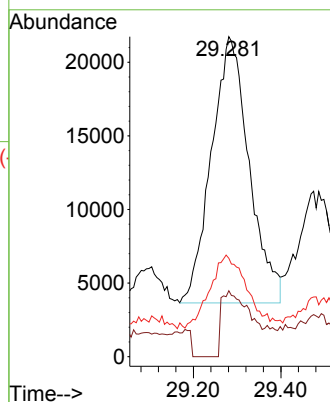
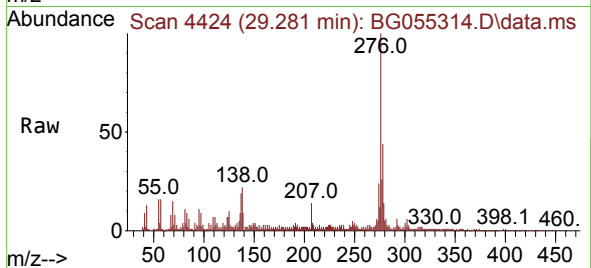
Tgt Ion:278 Resp: 108312

Ion Ratio Lower Upper

278 100

139 20.6 12.9 19.3#

279 30.7 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 32.381 ng

RT: 30.479 min Scan# 4628

Delta R.T. 0.047 min

Lab File: BG055314.D

Acq: 27 Oct 2022 1:31

Tgt Ion:276 Resp: 453853

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 19.9 17.2 25.8

