

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054919.D
 Acq On : 12 Sep 2022 23:49
 Operator : CG/JU
 Sample : N4562-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-2046

Quant Time: Sep 13 03:11:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

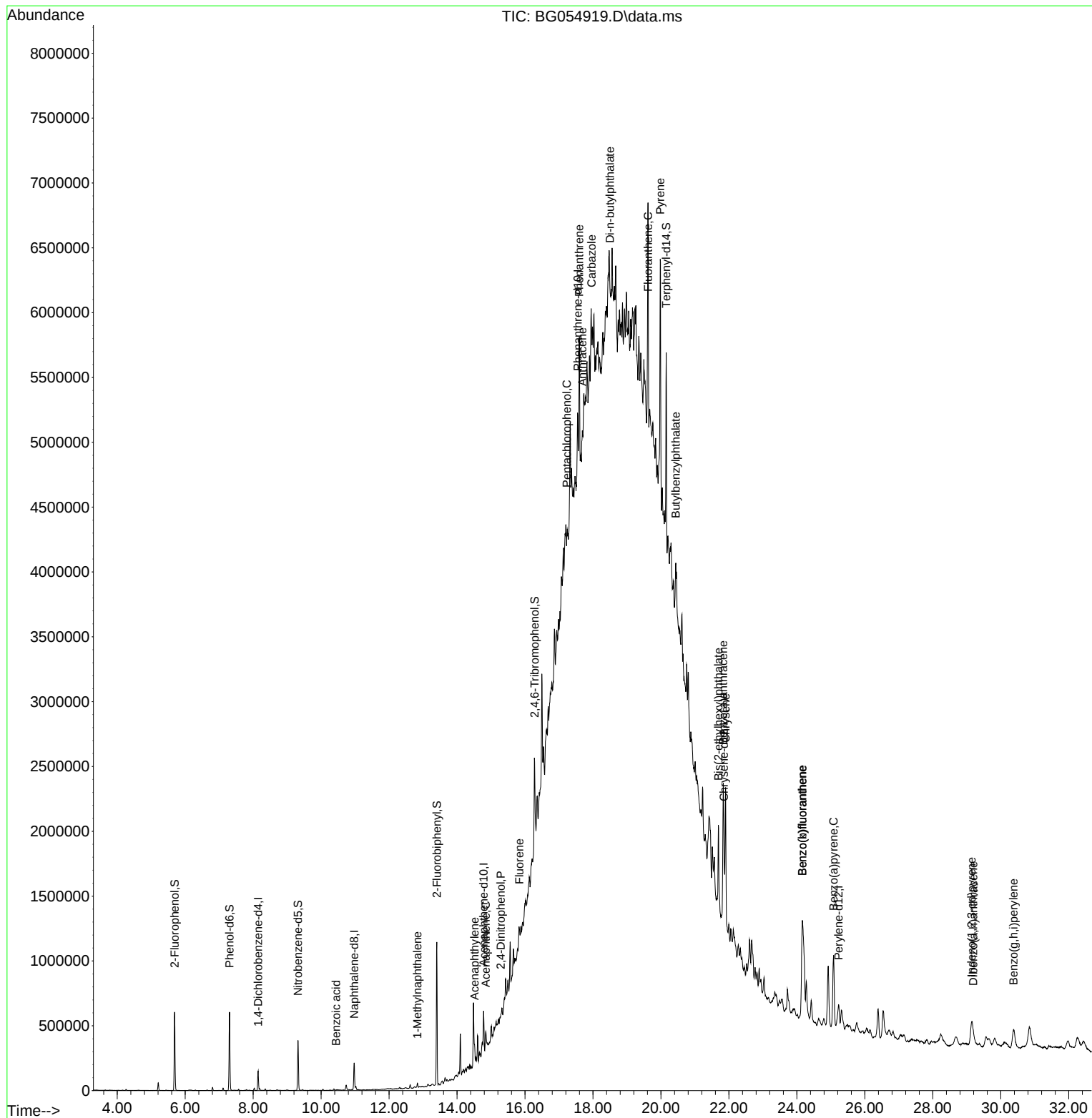
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.144	152	48367	20.000	ng	0.00
21) Naphthalene-d8	10.970	136	191251	20.000	ng	# 0.00
39) Acenaphthene-d10	14.778	164	114772	20.000	ng	0.00
64) Phenanthrene-d10	17.551	188	184762	20.000	ng	# 0.02
76) Chrysene-d12	21.852	240	211587	20.000	ng	0.03
86) Perylene-d12	25.230	264	222072	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.688	112	309284	111.352	ng	0.00
7) Phenol-d6	7.304	99	411307	108.281	ng	0.00
23) Nitrobenzene-d5	9.319	82	250913	68.873	ng	0.00
42) 2,4,6-Tribromophenol	16.282	330	157947	110.133	ng	0.01
45) 2-Fluorobiphenyl	13.403	172	618341	80.976	ng	0.00
79) Terphenyl-d14	20.154	244	712291	66.702	ng	0.03
Target Compounds						Qvalue
32) Benzoic acid	10.442	122	127	7.862	ng	# 32
38) 1-Methylnaphthalene	12.833	142	16968	2.425	ng	# 95
49) Acenaphthylene	14.513	152	91803	8.595	ng	# 89
52) Acenaphthene	14.842	154	19514	2.844	ng	90
54) 2,4-Dinitrophenol	15.289	184	54	6.748	ng	# 1
58) Fluorene	15.829	166	42978	5.060	ng	# 87
70) Pentachlorophenol	17.234	266	2749	2.219	ng	# 18
71) Phenanthrene	17.592	178	652083	66.252	ng	# 92
72) Anthracene	17.686	178	90860	9.495	ng	# 58
73) Carbazole	17.956	167	51378	5.828	ng	# 32
74) Di-n-butylphthalate	18.497	149	33989	3.047	ng	# 44
75) Fluoranthene	19.619	202	1146630	95.766	ng	94
78) Pyrene	19.978	202	1245796	84.439	ng	# 93
80) Butylbenzylphthalate	20.436	149	14596	2.372	ng	# 45
81) Benzo(a)anthracene	21.828	228	715230	49.855	ng	96
83) Chrysene	21.899	228	836623	60.992	ng	95
84) Bis(2-ethylhexyl)phtha...	21.687	149	268630	30.297	ng	# 96
87) Indeno(1,2,3-cd)pyrene	29.143	276	411198	24.390	ng	95
88) Benzo(b)fluoranthene	24.161	252	1067466	76.626	ng	98
89) Benzo(k)fluoranthene	24.161	252	1067466	76.139	ng	97
90) Benzo(a)pyrene	25.077	252	683546	57.432	ng	98
91) Dibenzo(a,h)anthracene	29.190	278	103038	7.502	ng	92
92) Benzo(g,h,i)perylene	30.377	276	392794	28.308	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054919.D
Acq On : 12 Sep 2022 23:49
Operator : CG/JU
Sample : N4562-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CHRT-2046

Quant Time: Sep 13 03:11:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 10 01:53:42 2022
Response via : Initial Calibration

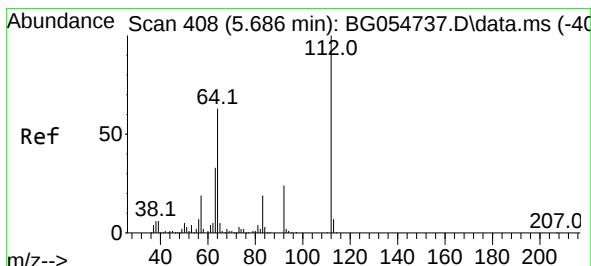
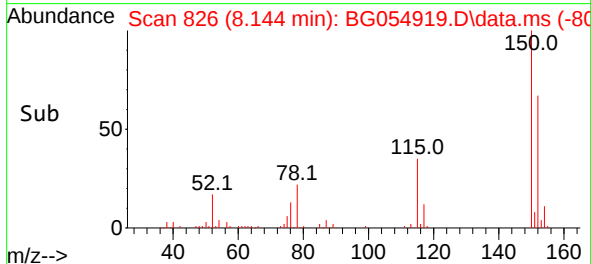
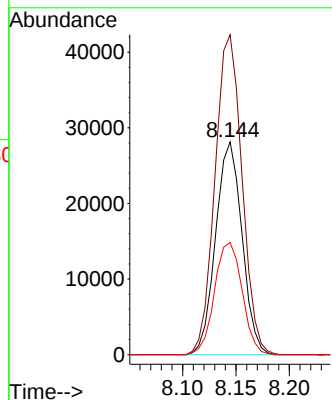
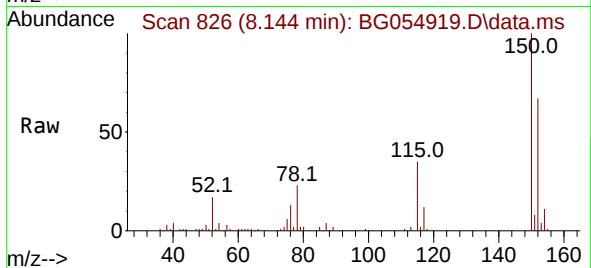




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.144 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

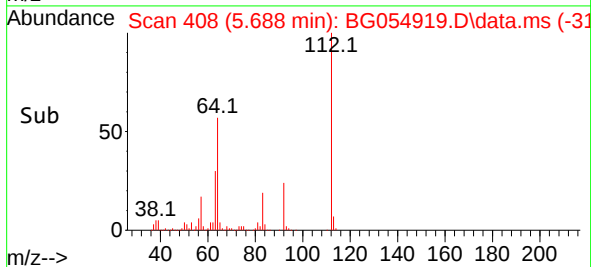
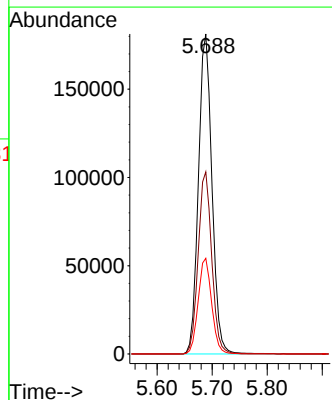
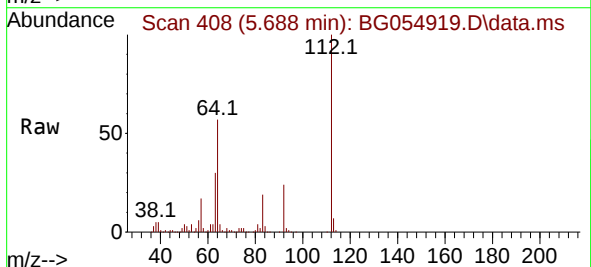
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

Tgt Ion:152 Resp: 48367
Ion Ratio Lower Upper
152 100
150 150.4 125.2 187.8
115 52.7 47.9 71.9



#5
2-Fluorophenol
Concen: 111.352 ng
RT: 5.688 min Scan# 408
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:112 Resp: 309284
Ion Ratio Lower Upper
112 100
64 56.9 49.3 73.9
63 29.9 26.3 39.5

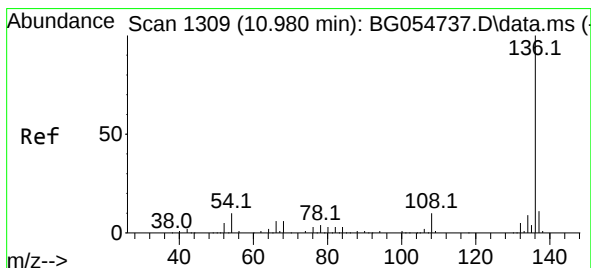
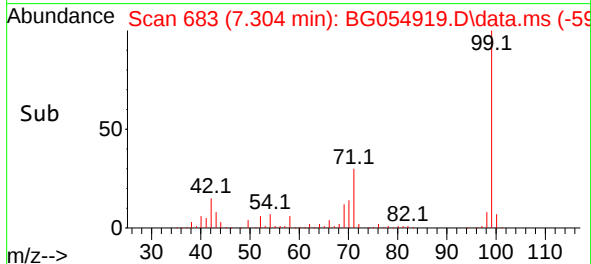
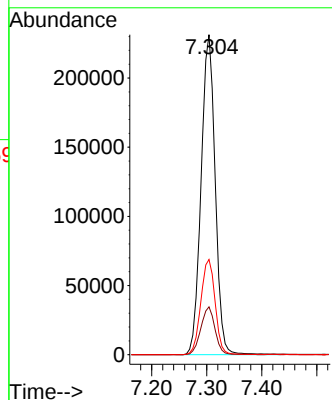
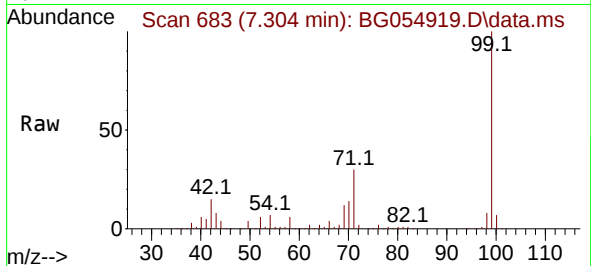




#7
Phenol-d6
Concen: 108.281 ng
RT: 7.304 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

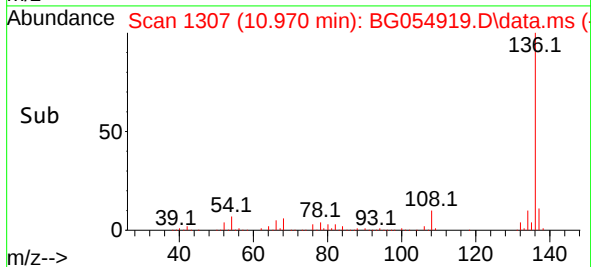
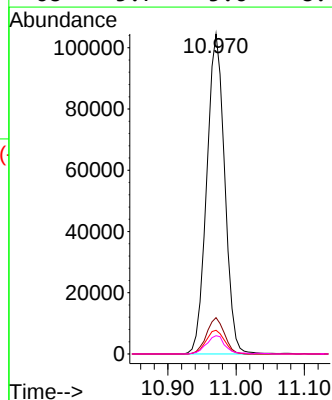
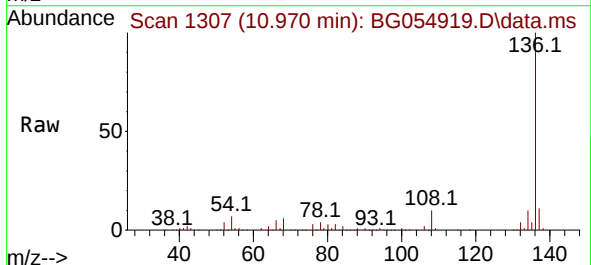
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

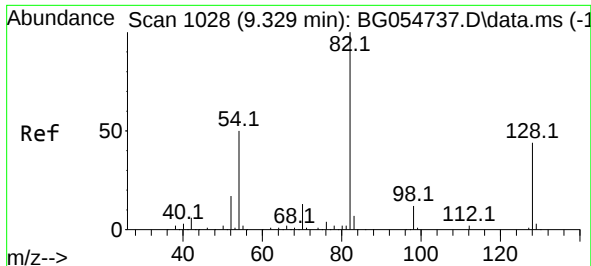
Tgt Ion: 99 Resp: 411307
Ion Ratio Lower Upper
99 100
42 14.9 14.6 22.0
71 29.7 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1307
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion: 136 Resp: 191251
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 7.4 7.7 11.5#
68 5.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 68.873 ng

RT: 9.319 min Scan# 1026

Delta R.T. -0.002 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

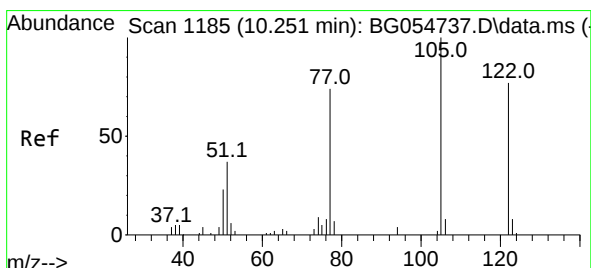
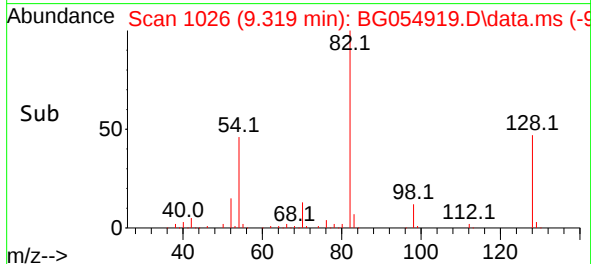
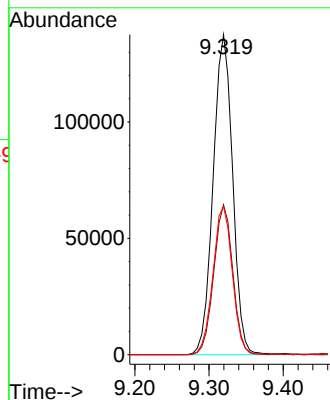
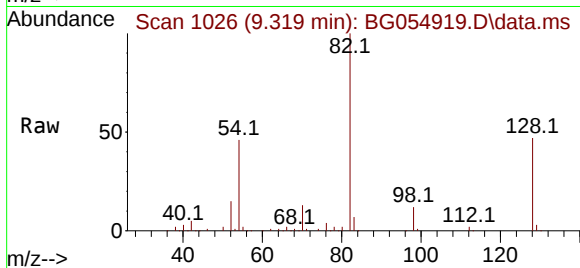
Tgt Ion: 82 Resp: 250913

Ion Ratio Lower Upper

82 100

128 46.8 32.2 48.2

54 46.3 41.4 62.0



#32

Benzoic acid

Concen: 7.862 ng

RT: 10.442 min Scan# 1217

Delta R.T. 0.098 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

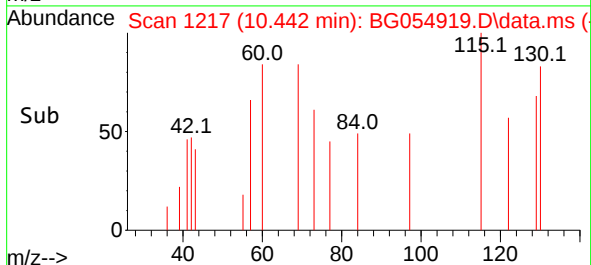
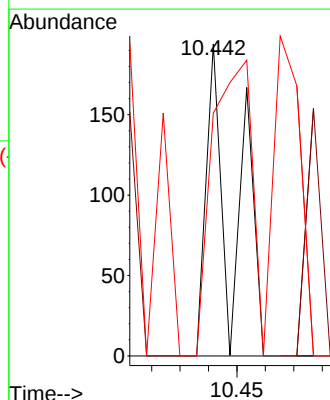
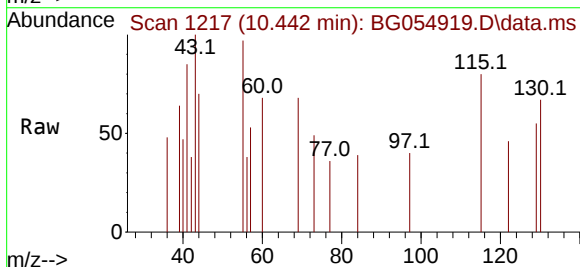
Tgt Ion: 122 Resp: 127

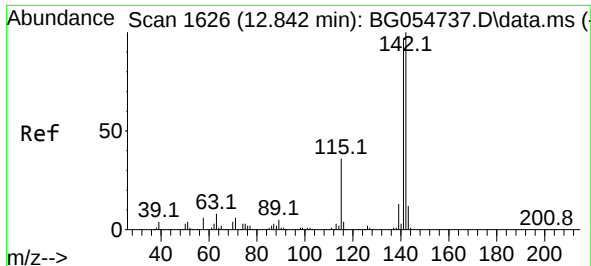
Ion Ratio Lower Upper

122 100

105 0.0 101.5 141.5#

77 77.8 69.3 109.3





#38

1-Methylnaphthalene

Concen: 2.425 ng

RT: 12.833 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

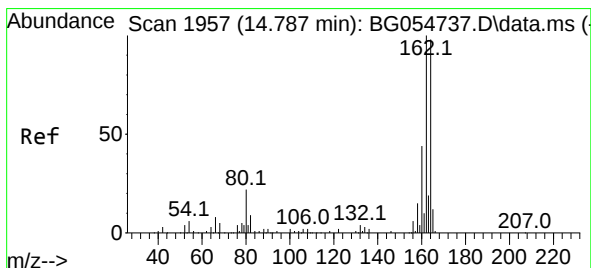
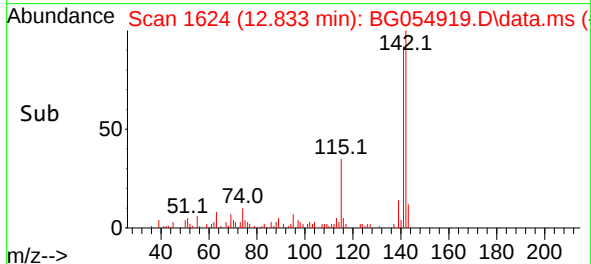
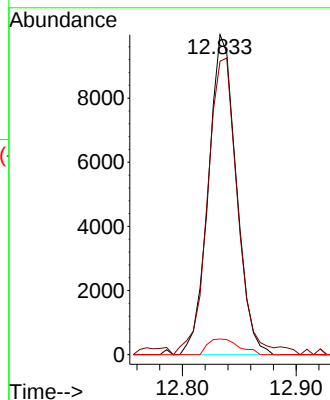
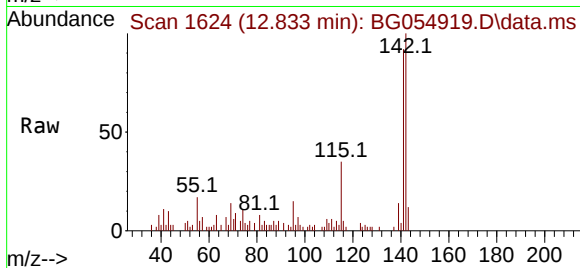
Tgt Ion:142 Resp: 16968

Ion Ratio Lower Upper

142 100

141 91.7 77.4 116.0

116 4.9 3.0 4.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.778 min Scan# 1955

Delta R.T. -0.002 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

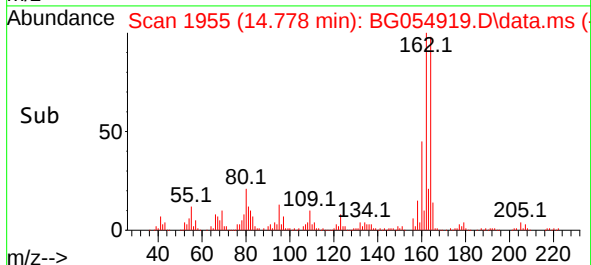
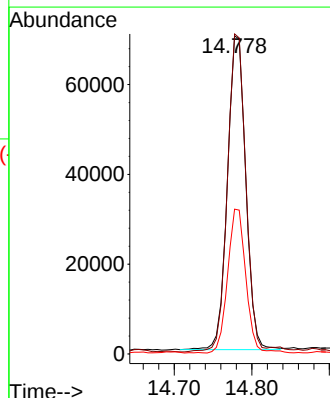
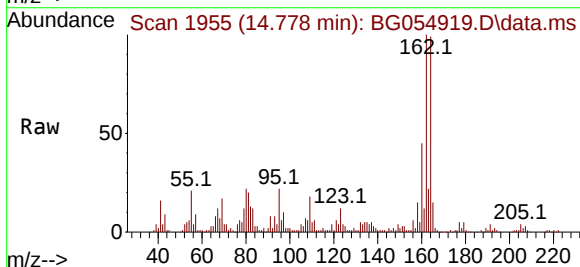
Tgt Ion:164 Resp: 114772

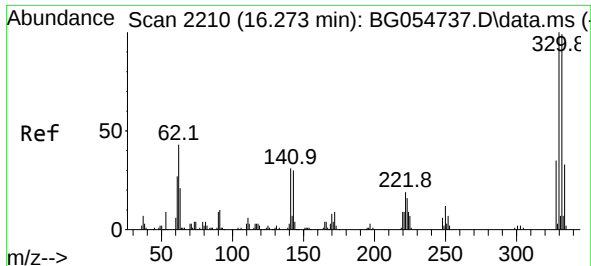
Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.4

160 45.6 38.0 57.0

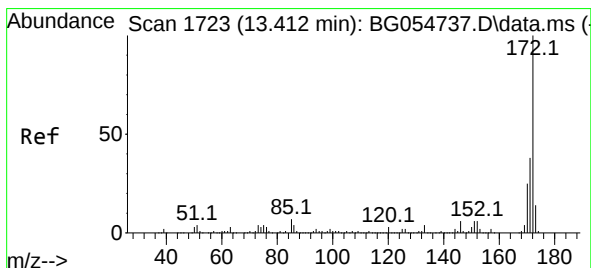
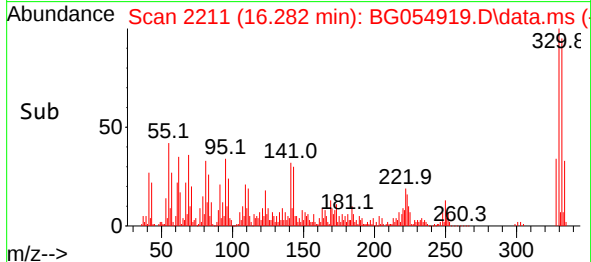
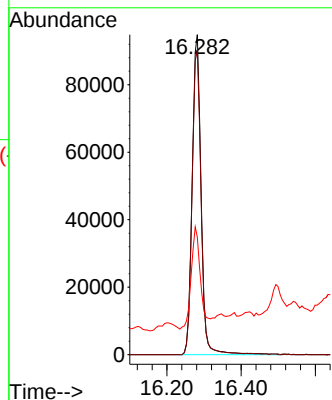
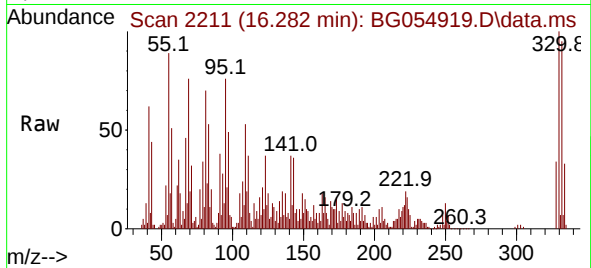




#42
2,4,6-Tribromophenol
Concen: 110.133 ng
RT: 16.282 min Scan# 211
Delta R.T. 0.010 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

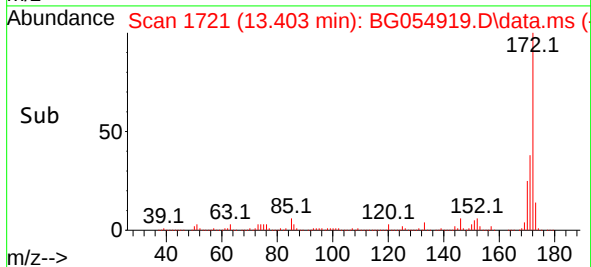
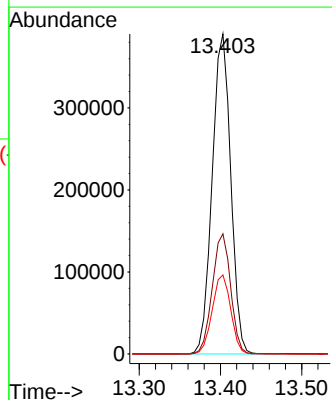
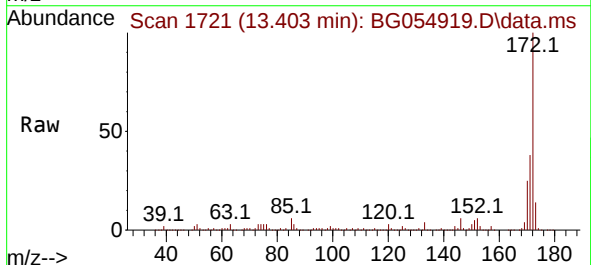
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

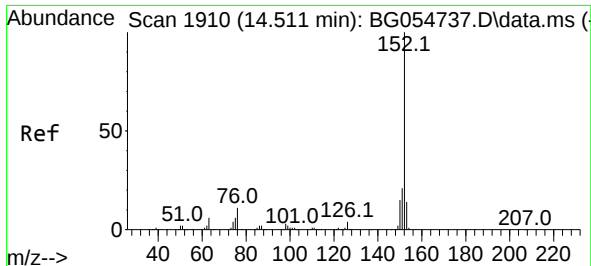
Tgt Ion:330 Resp: 157947
Ion Ratio Lower Upper
330 100
332 95.8 79.8 119.6
141 33.4 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 80.976 ng
RT: 13.403 min Scan# 1721
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:172 Resp: 618341
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 24.7 20.6 30.8

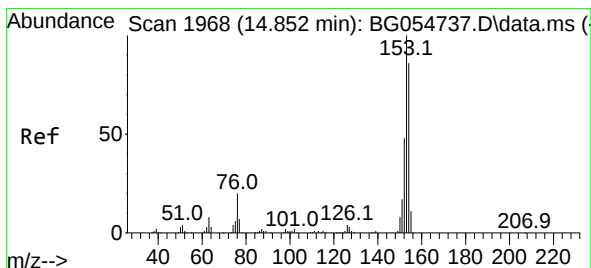
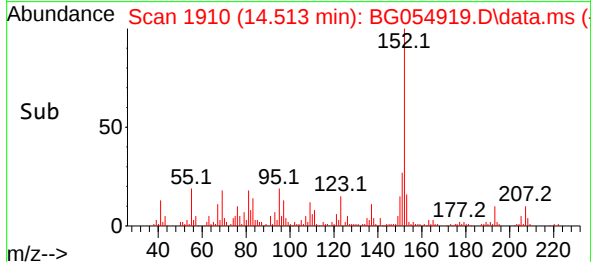
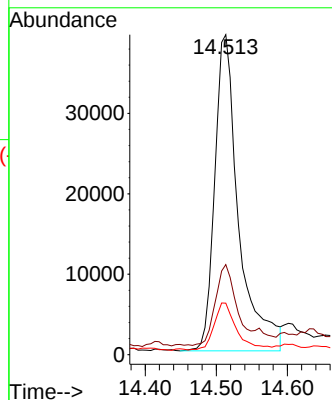
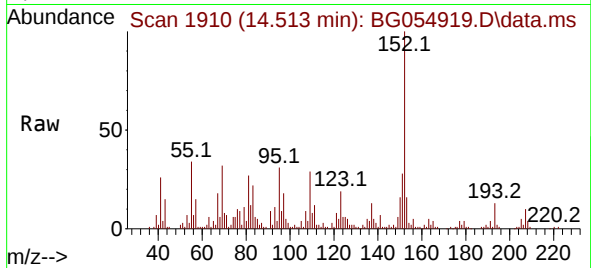




#49
Acenaphthylene
Concen: 8.595 ng
RT: 14.513 min Scan# 1910
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

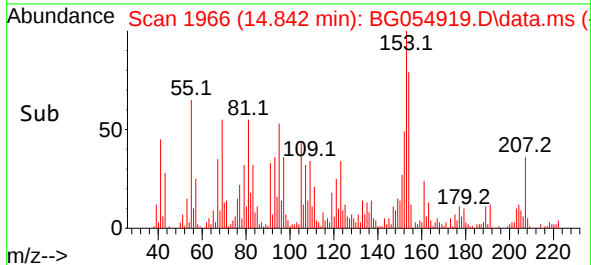
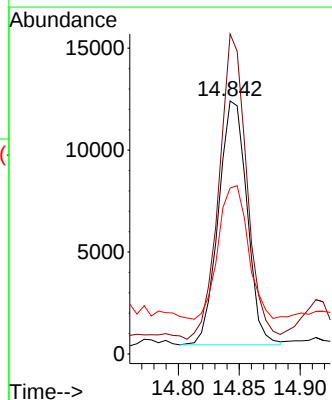
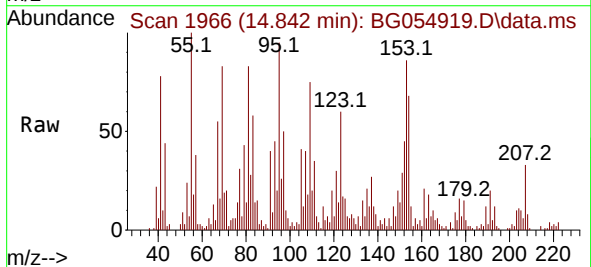
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

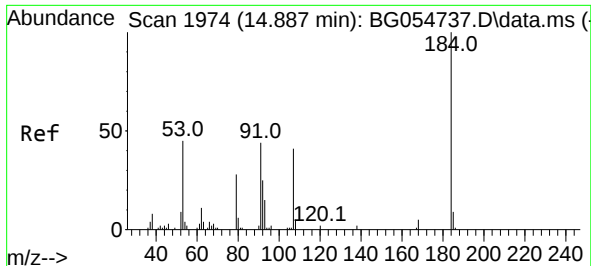
Tgt Ion:152 Resp: 91803
Ion Ratio Lower Upper
152 100
151 28.2 17.3 25.9#
153 16.1 10.8 16.2



#52
Acenaphthene
Concen: 2.844 ng
RT: 14.842 min Scan# 1966
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:154 Resp: 19514
Ion Ratio Lower Upper
154 100
153 126.5 92.8 139.2
152 65.6 45.4 68.2

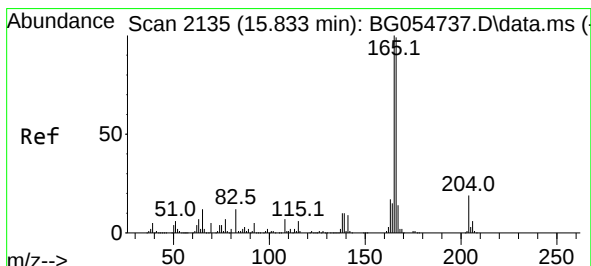
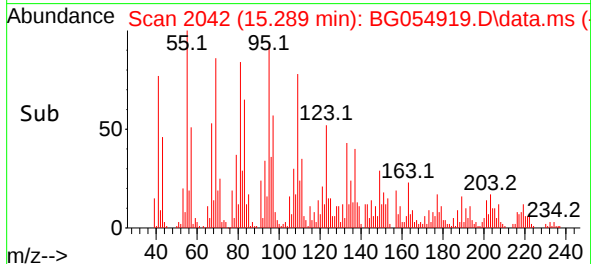
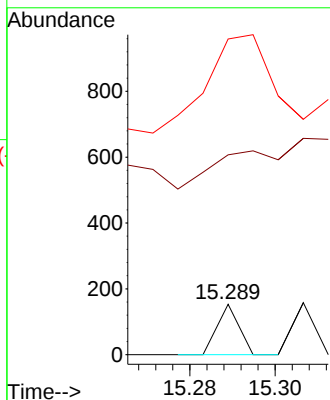
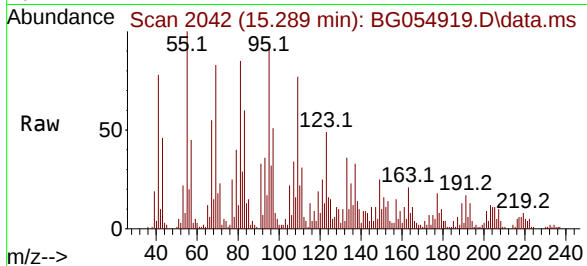




#54
2,4-Dinitrophenol
Concen: 6.748 ng
RT: 15.289 min Scan# 2042
Delta R.T. 0.386 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

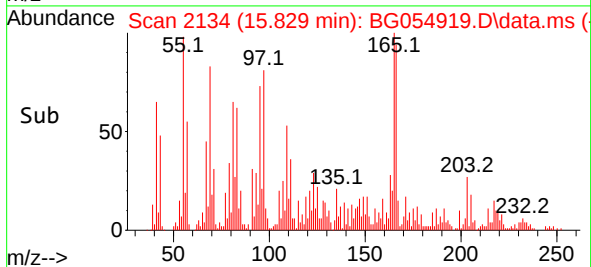
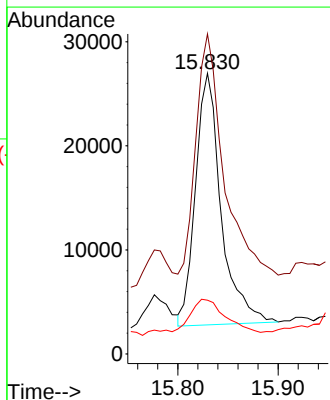
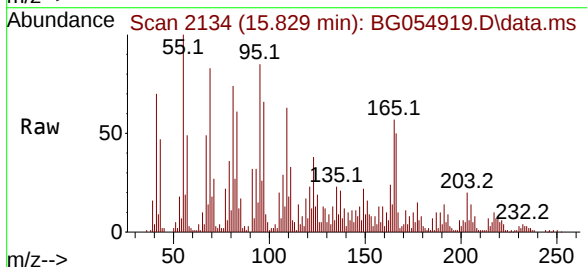
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

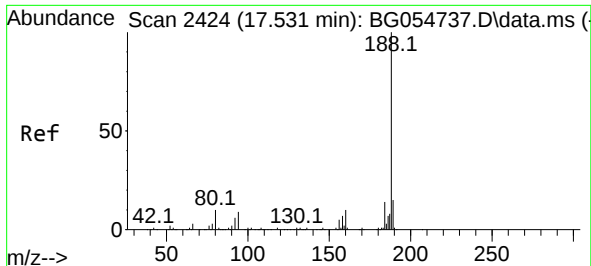
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 396.7 41.8 62.8#
154 626.8 45.2 67.8#



#58
Fluorene
Concen: 5.060 ng
RT: 15.829 min Scan# 2134
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:166 Resp: 42978
Ion Ratio Lower Upper
166 100
165 114.0 80.8 121.2
167 19.1 11.4 17.0#

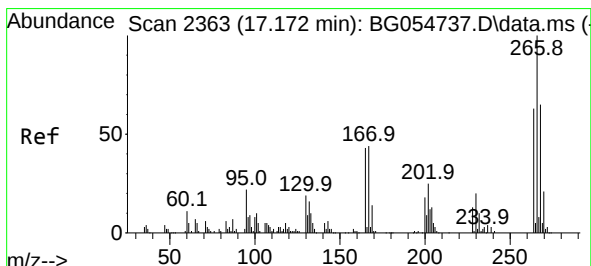
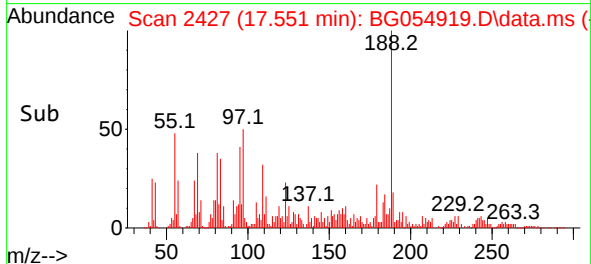
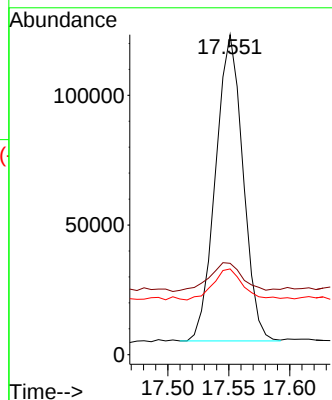
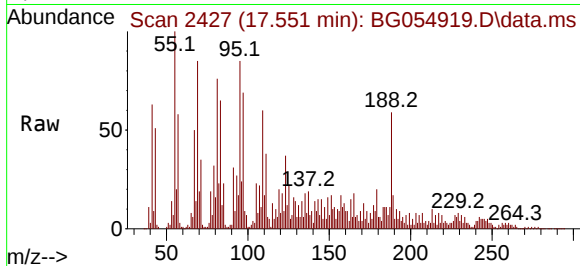




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.551 min Scan# 2424
Delta R.T. 0.022 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

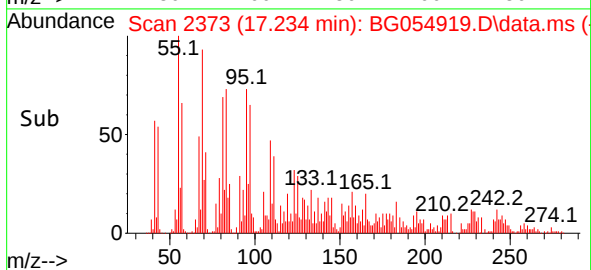
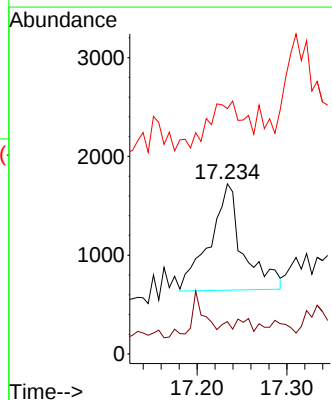
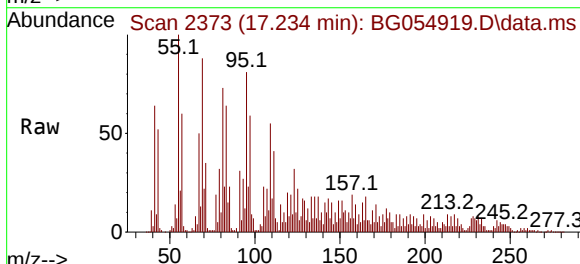
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

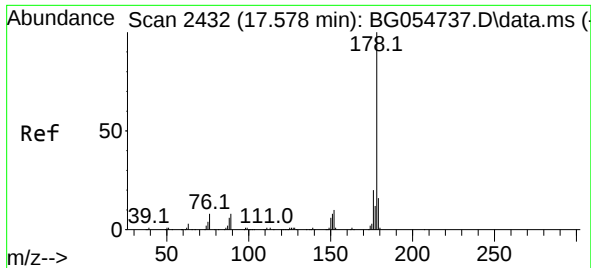
Tgt Ion:188 Resp: 184762
Ion Ratio Lower Upper
188 100
94 28.5 7.0 10.4#
80 26.8 7.9 11.9#



#70
Pentachlorophenol
Concen: 2.219 ng
RT: 17.234 min Scan# 2373
Delta R.T. 0.051 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:266 Resp: 2749
Ion Ratio Lower Upper
266 100
268 19.1 51.2 76.8#
264 144.4 49.4 74.0#

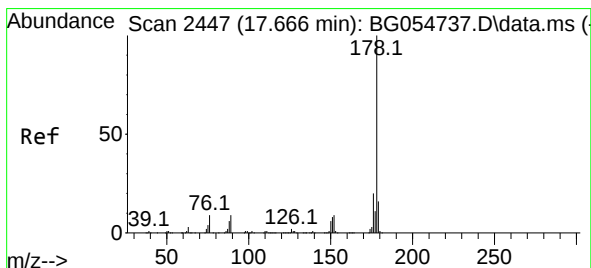
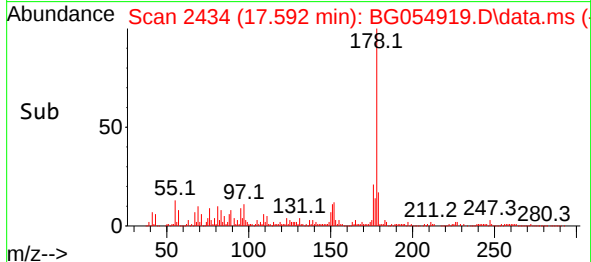
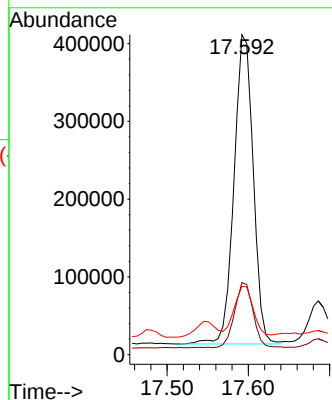
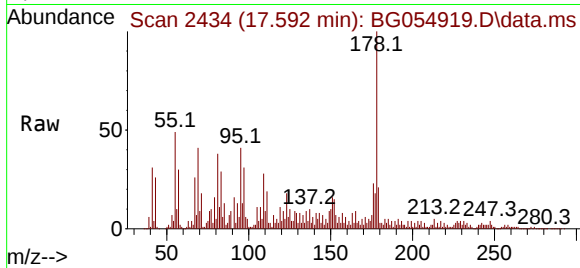




#71
 Phenanthrene
 Concen: 66.252 ng
 RT: 17.592 min Scan# 2432
 Delta R.T. 0.022 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

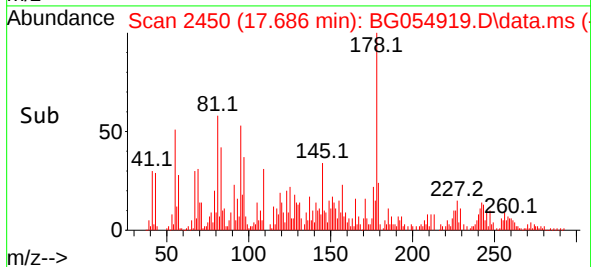
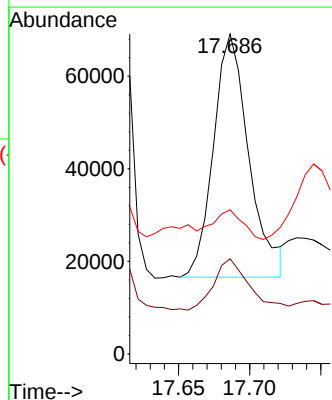
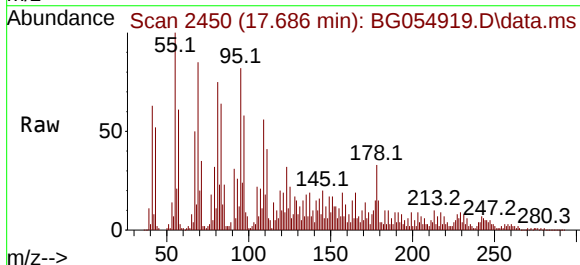
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-2046

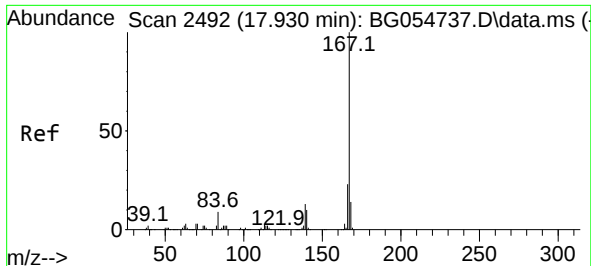
Tgt Ion:178 Resp: 652083
 Ion Ratio Lower Upper
 178 100
 176 22.6 16.6 25.0
 179 21.3 12.8 19.2#



#72
 Anthracene
 Concen: 9.495 ng
 RT: 17.686 min Scan# 2450
 Delta R.T. 0.022 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

Tgt Ion:178 Resp: 90860
 Ion Ratio Lower Upper
 178 100
 176 29.8 16.2 24.4#
 179 45.1 12.9 19.3#

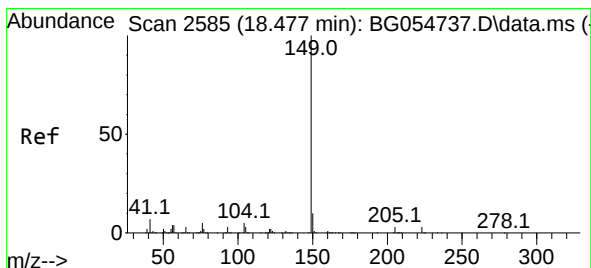
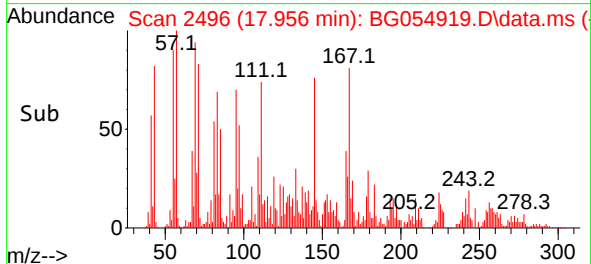
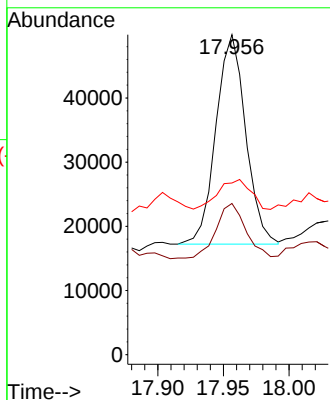
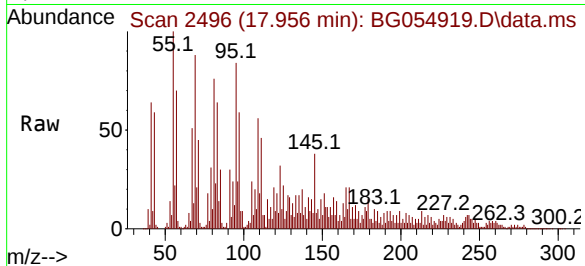




#73
 Carbazole
 Concen: 5.828 ng
 RT: 17.956 min Scan# 2496
 Delta R.T. 0.022 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

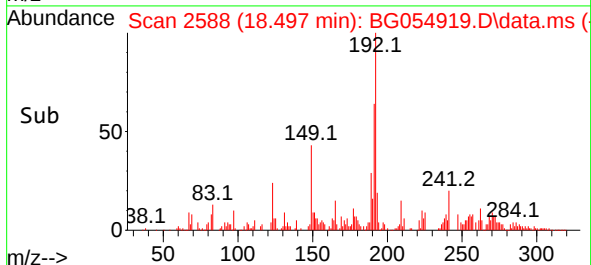
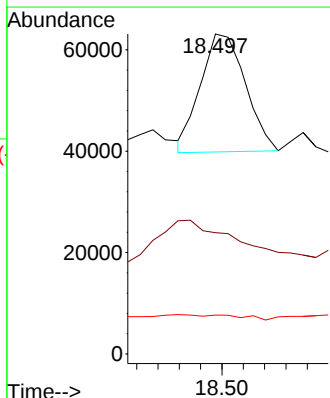
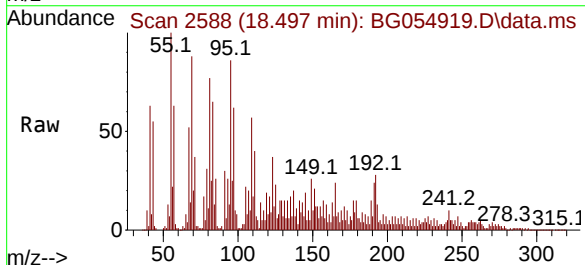
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-2046

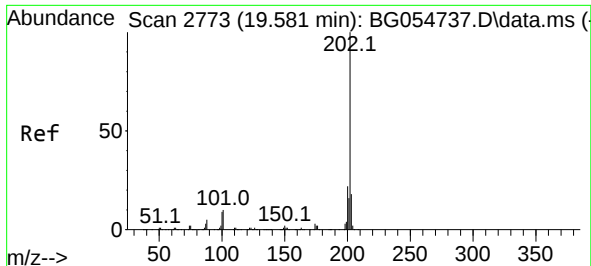
Tgt Ion:167 Resp: 51378
 Ion Ratio Lower Upper
 167 100
 166 47.2 18.8 28.2#
 139 53.6 10.2 15.4#



#74
 Di-n-butylphthalate
 Concen: 3.047 ng
 RT: 18.497 min Scan# 2588
 Delta R.T. 0.028 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

Tgt Ion:149 Resp: 33989
 Ion Ratio Lower Upper
 149 100
 150 37.9 8.0 12.0#
 104 12.1 4.4 6.6#

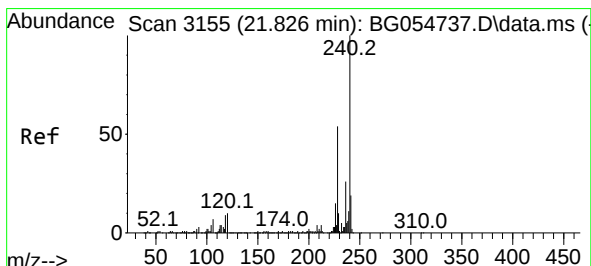
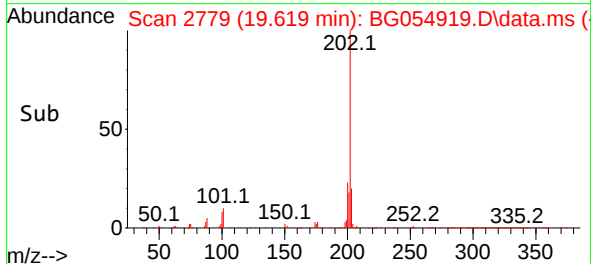
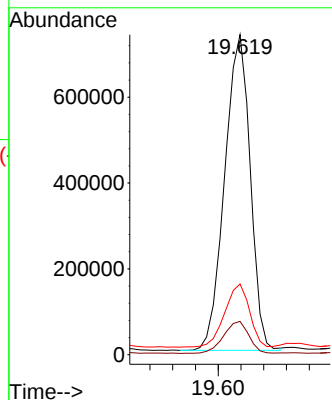
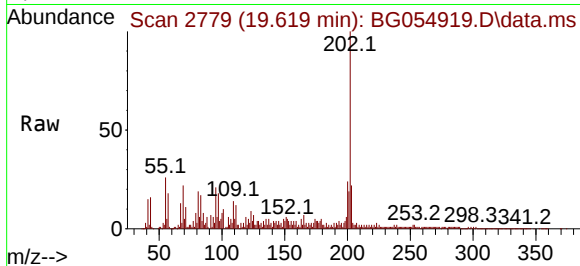




#75
Fluoranthene
Concen: 95.766 ng
RT: 19.619 min Scan# 21
Delta R.T. 0.039 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

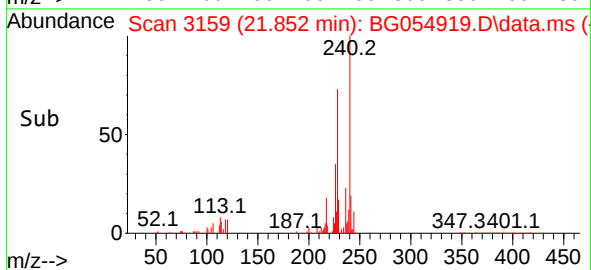
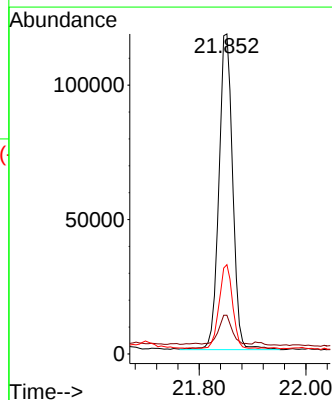
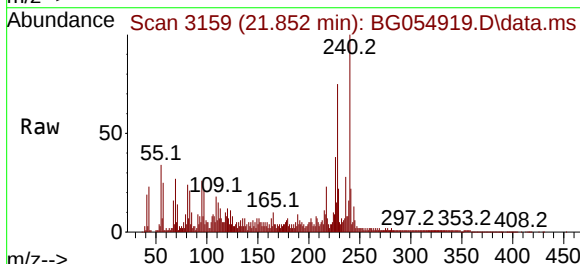
Instrument :
BNA_G
ClientSampleId :
CHRT-2046

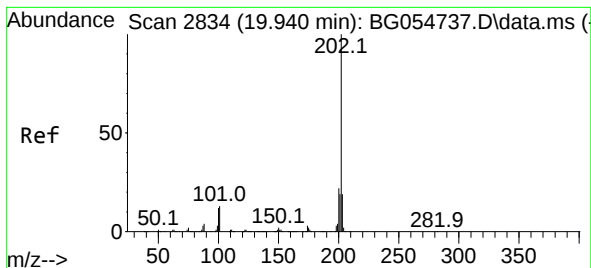
Tgt Ion:202 Resp: 1146630
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 22.1 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.852 min Scan# 3159
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Tgt Ion:240 Resp: 211587
Ion Ratio Lower Upper
240 100
120 12.1 8.2 12.4
236 27.9 21.2 31.8





#78

Pyrene

Concen: 84.439 ng

RT: 19.978 min Scan# 2840

Delta R.T. 0.039 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

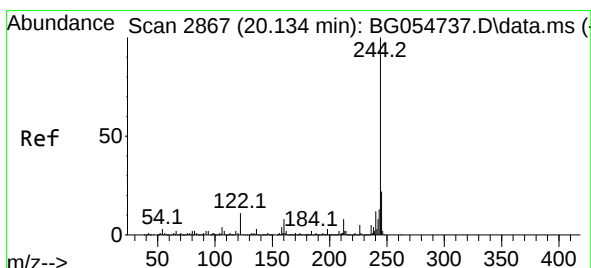
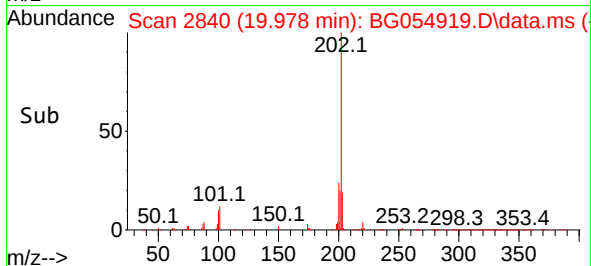
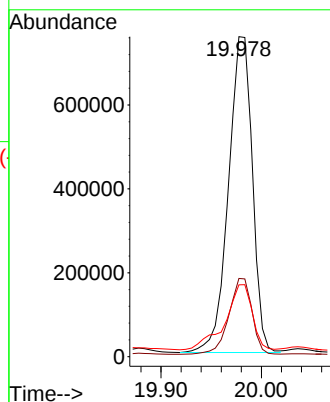
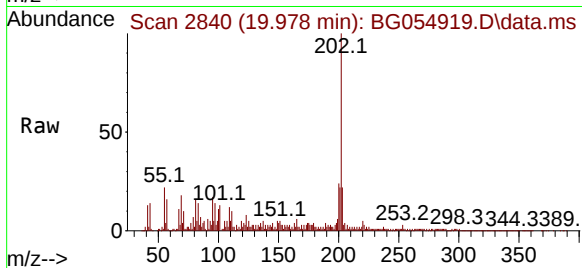
Tgt Ion:202 Resp: 1245796

Ion Ratio Lower Upper

202 100

200 24.4 17.8 26.6

203 22.5 14.6 21.8#



#79

Terphenyl-d14

Concen: 66.702 ng

RT: 20.154 min Scan# 2870

Delta R.T. 0.028 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

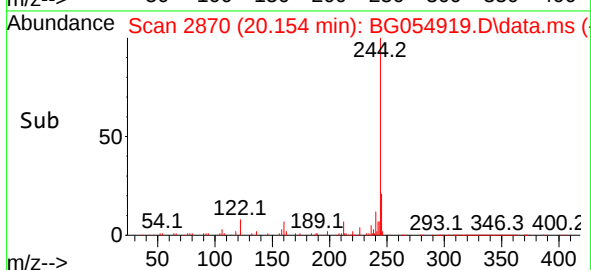
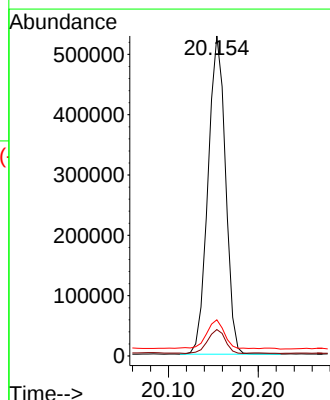
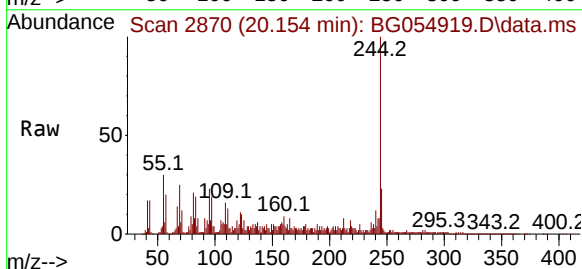
Tgt Ion:244 Resp: 712291

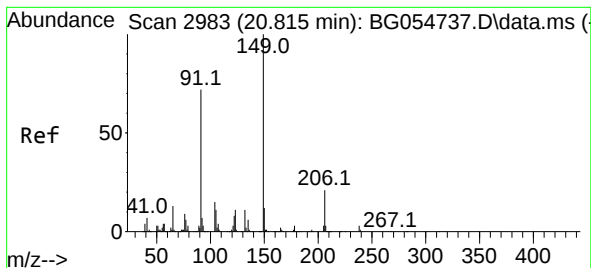
Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

122 11.3 9.0 13.6





#80

Butylbenzylphthalate

Concen: 2.372 ng

RT: 20.436 min Scan# 2918

Delta R.T. -0.372 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

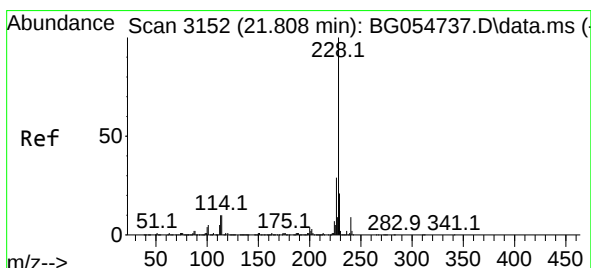
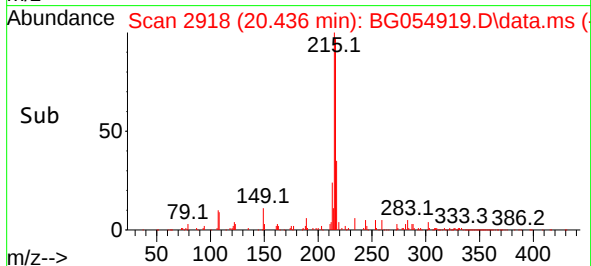
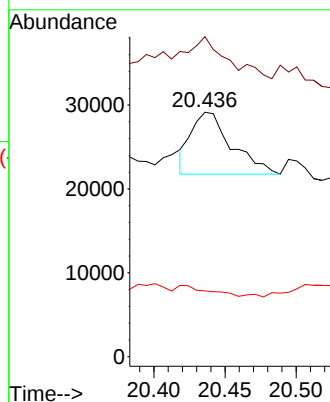
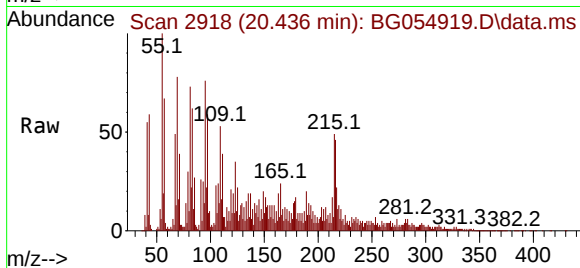
Tgt Ion:149 Resp: 14596

Ion Ratio Lower Upper

149 100

91 130.9 59.5 89.3#

206 26.9 16.6 25.0#



#81

Benzo(a)anthracene

Concen: 49.855 ng

RT: 21.828 min Scan# 3155

Delta R.T. 0.022 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

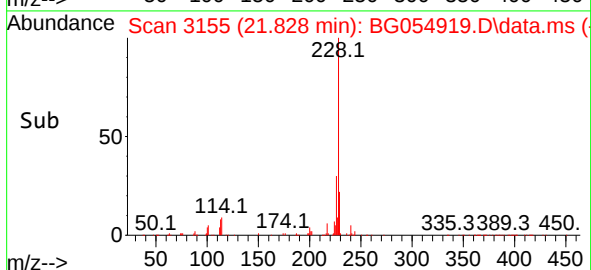
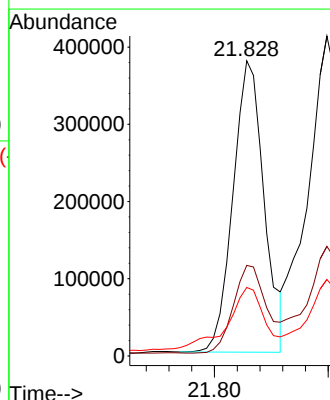
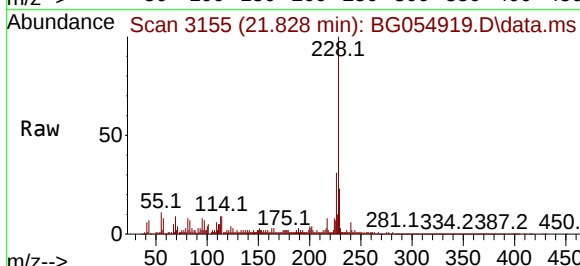
Tgt Ion:228 Resp: 715230

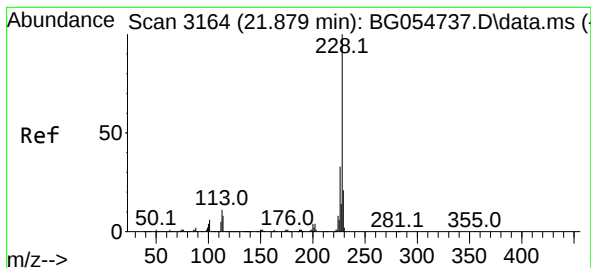
Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

229 23.2 16.5 24.7





#83

Chrysene

Concen: 60.992 ng

RT: 21.899 min Scan# 3167

Delta R.T. 0.028 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

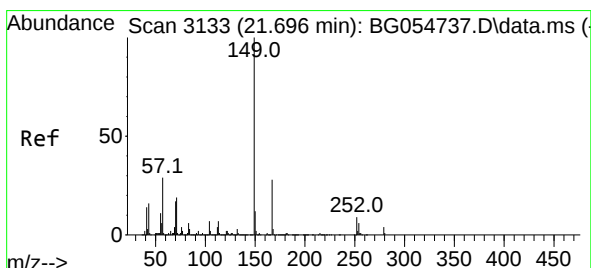
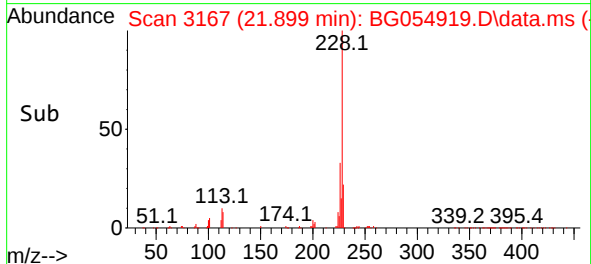
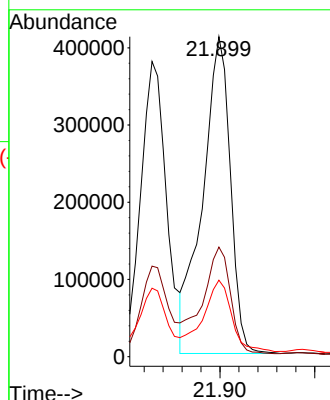
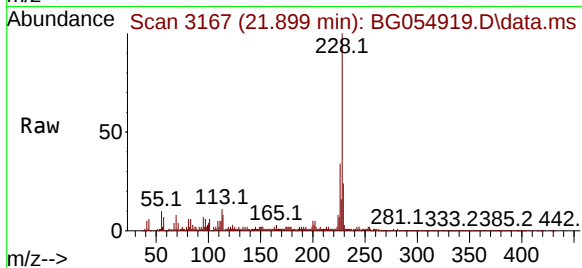
Tgt Ion:228 Resp: 836623

Ion Ratio Lower Upper

228 100

226 34.2 25.5 38.3

229 23.9 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.297 ng

RT: 21.687 min Scan# 3131

Delta R.T. 0.010 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

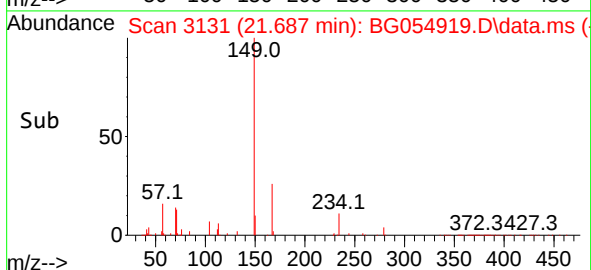
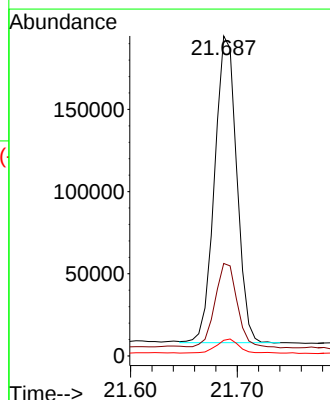
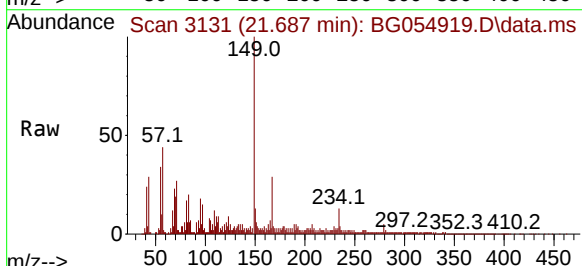
Tgt Ion:149 Resp: 268630

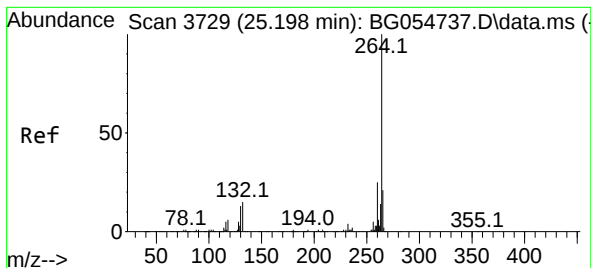
Ion Ratio Lower Upper

149 100

167 28.9 21.4 32.0

279 4.9 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.230 min Scan# 31

Delta R.T. 0.028 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

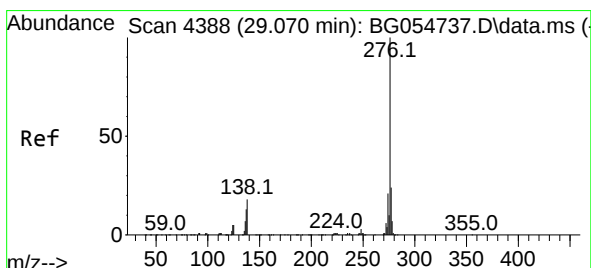
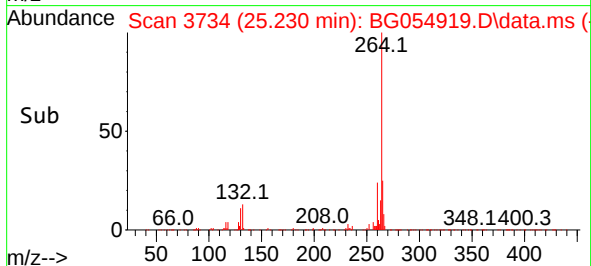
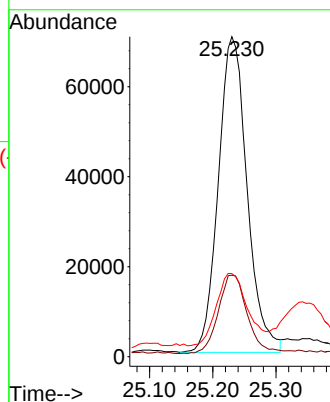
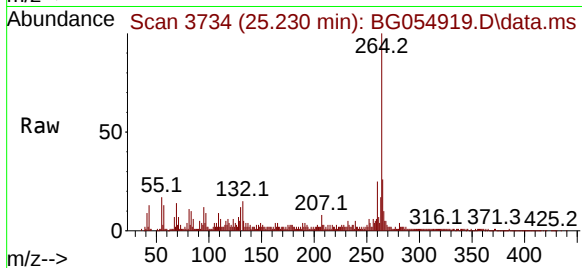
Tgt Ion:264 Resp: 222072

Ion Ratio Lower Upper

264 100

260 25.4 19.9 29.9

265 26.0 16.9 25.3#



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.390 ng

RT: 29.143 min Scan# 4400

Delta R.T. 0.034 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

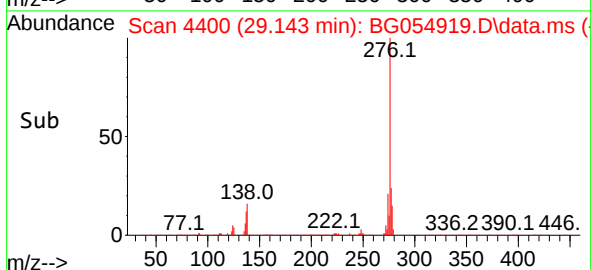
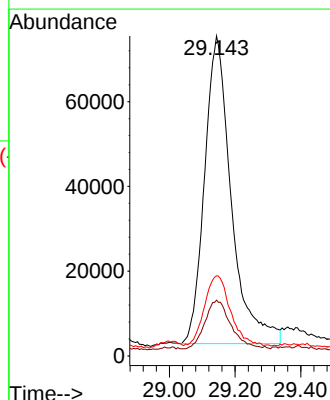
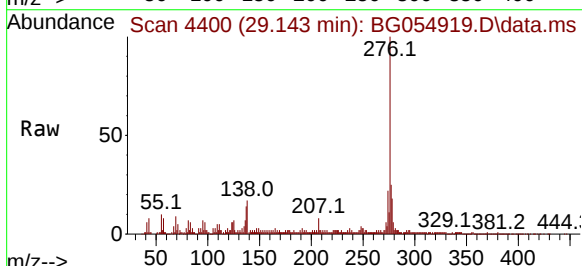
Tgt Ion:276 Resp: 411198

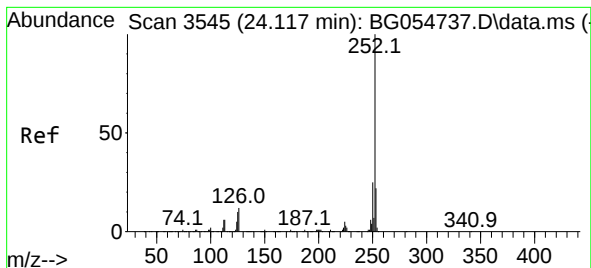
Ion Ratio Lower Upper

276 100

138 15.2 12.0 18.0

277 21.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 76.626 ng

RT: 24.161 min Scan# 3552

Delta R.T. 0.039 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

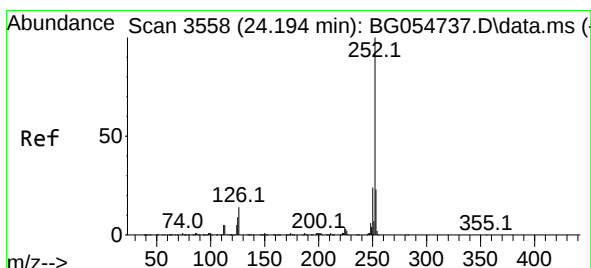
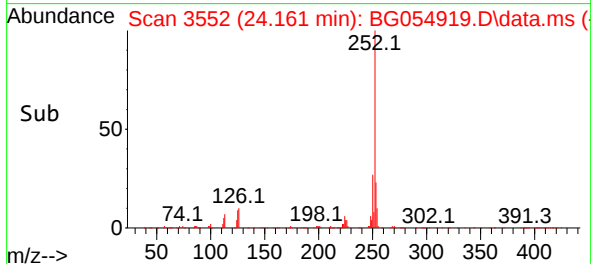
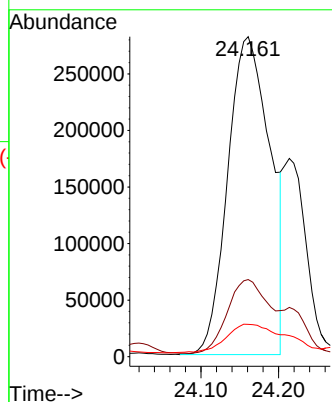
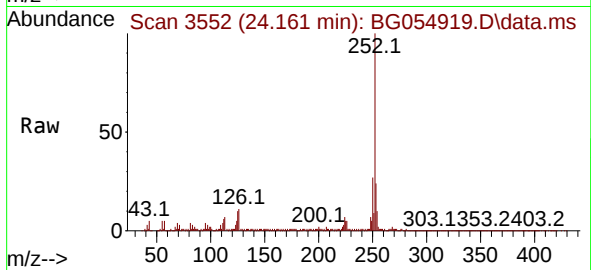
Tgt Ion:252 Resp: 1067466

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 10.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 76.139 ng

RT: 24.161 min Scan# 3552

Delta R.T. -0.031 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

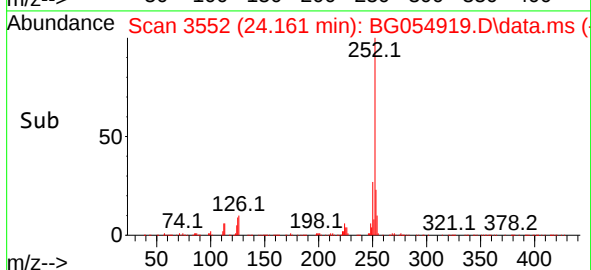
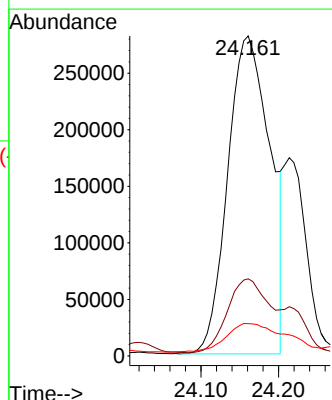
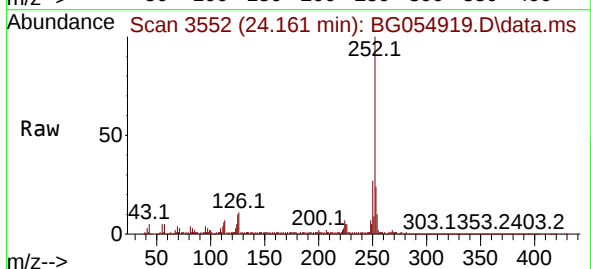
Tgt Ion:252 Resp: 1067466

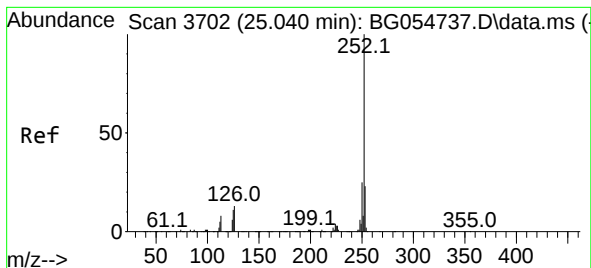
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 10.1 8.2 12.4





#90

Benzo(a)pyrene

Concen: 57.432 ng

RT: 25.077 min Scan# 3

Delta R.T. 0.028 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

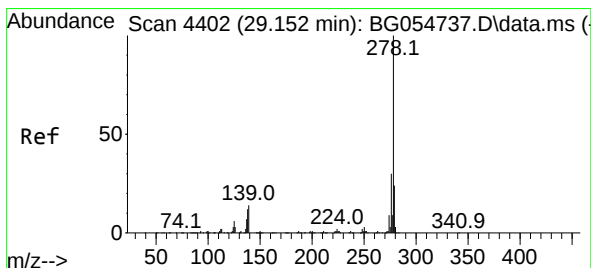
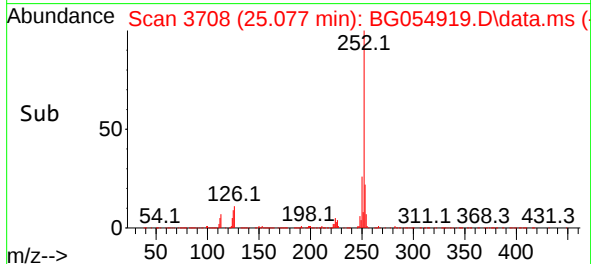
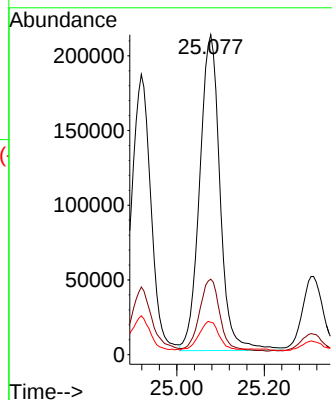
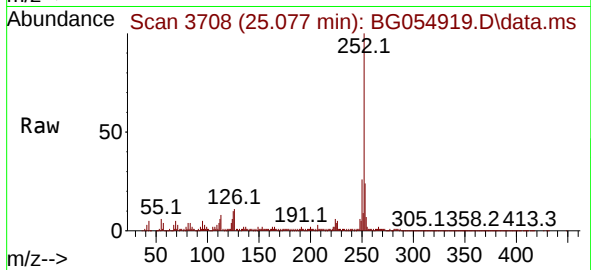
Tgt Ion:252 Resp: 683546

Ion Ratio Lower Upper

252 100

253 23.6 18.3 27.5

125 10.1 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 7.502 ng

RT: 29.190 min Scan# 4408

Delta R.T. 0.022 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

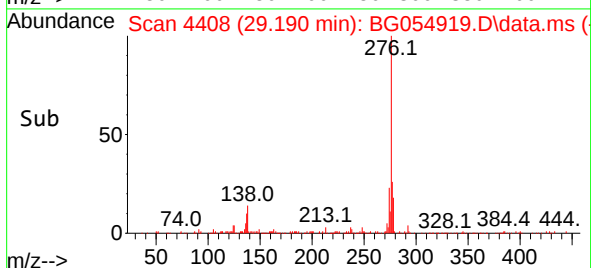
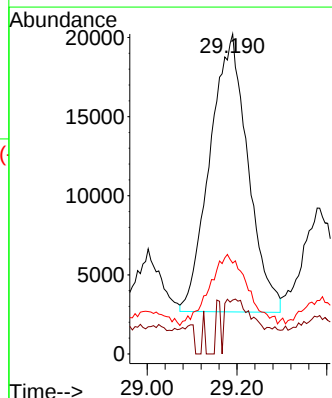
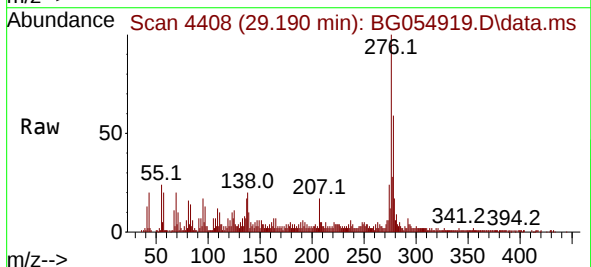
Tgt Ion:278 Resp: 103038

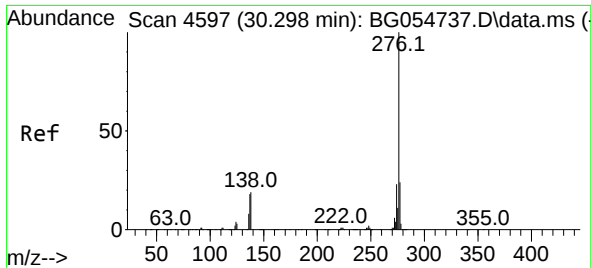
Ion Ratio Lower Upper

278 100

139 16.8 11.4 17.2

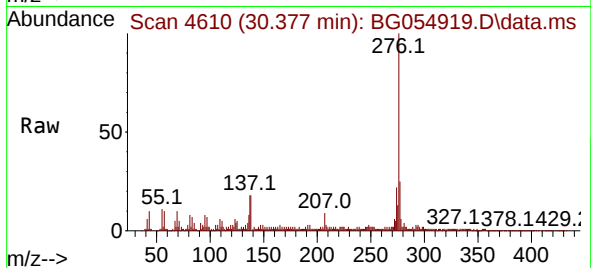
279 28.4 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 28.308 ng
 RT: 30.377 min Scan# 4
 Delta R.T. 0.051 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-2046



Tgt Ion:	276	Resp:	392794
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	18.2	16.6	25.0

