

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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

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
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
58) Fluorene	15.829	166	42978	5.060	ng	# 87
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
75) Fluoranthene	19.619	202	1146630	95.766	ng	94
78) Pyrene	19.978	202	1245796	84.439	ng	# 93
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	24.214	252	358096m	25.542	ng	
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

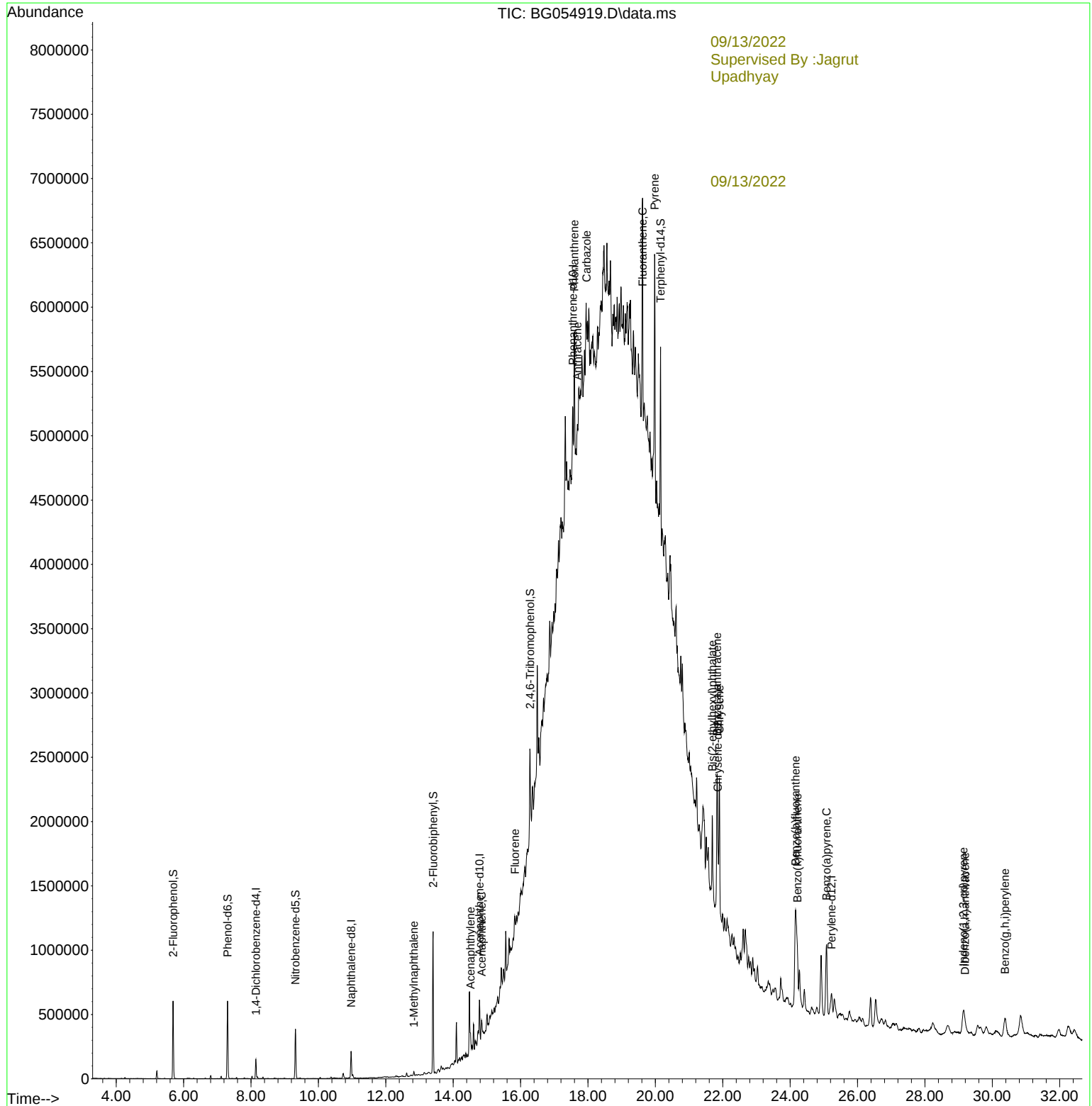
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054919.D
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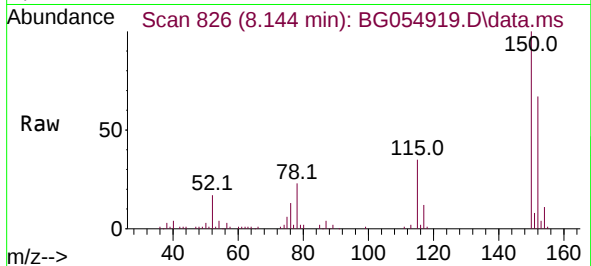
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Supervised By :Jagrut Upadhyay 09/13/2022





#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

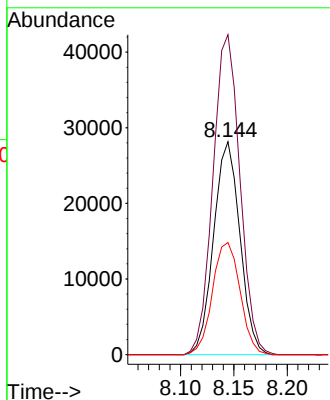
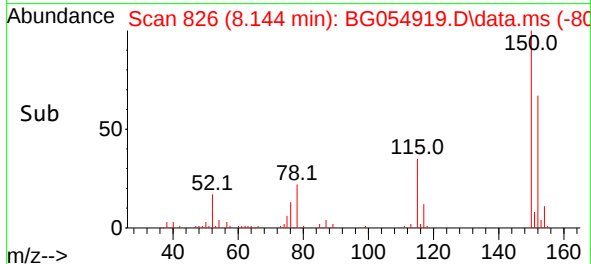
Instrument :
BNA_G
ClientSampleId :
CHRT-2046



Tgt Ion:152 Resp: 48362
Ion Ratio Lower Upper
152 100
150 150.4 125.2 187.8
115 52.7 47.9 71.9

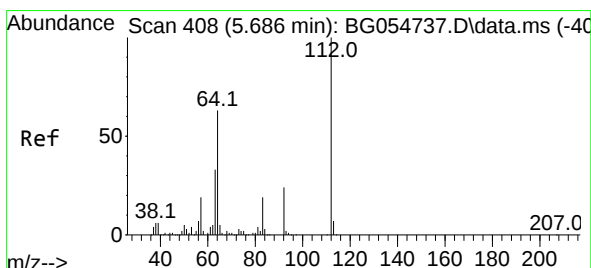
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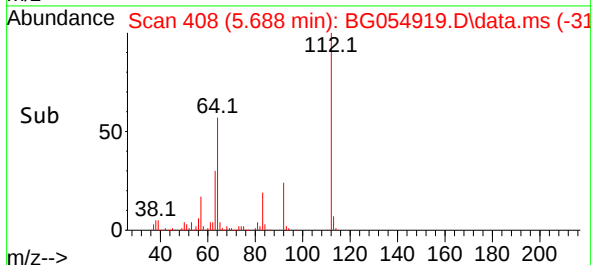
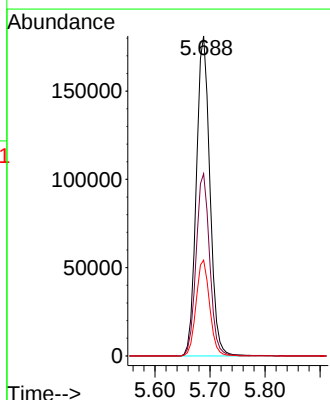
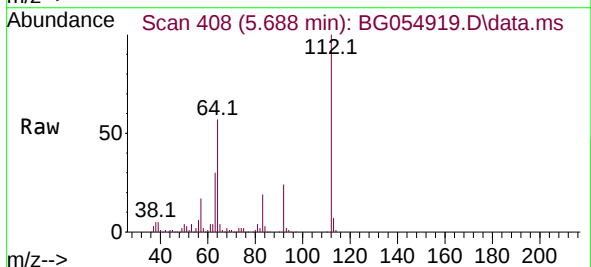
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#5
2-Fluorophenol
Concen: 111.352 ng
RT: 5.688 min Scan# 408
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

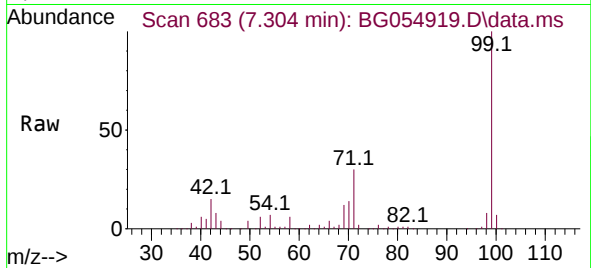
Tgt Ion:112 Resp: 309284
Ion Ratio Lower Upper
112 100
64 56.9 49.3 73.9
63 29.9 26.3 39.5





#7
Phenol-d6
Concen: 108.281 ng
RT: 7.304 min Scan# 682
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

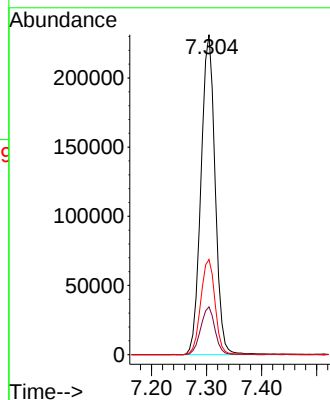
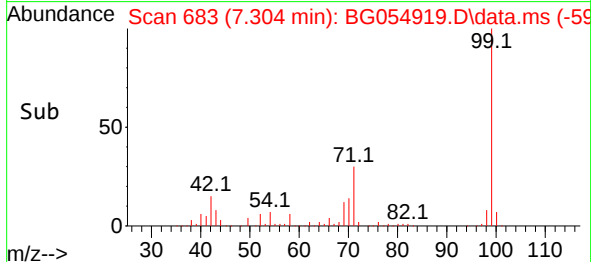
Instrument :
BNA_G
ClientSampleId :
CHRT-2046



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

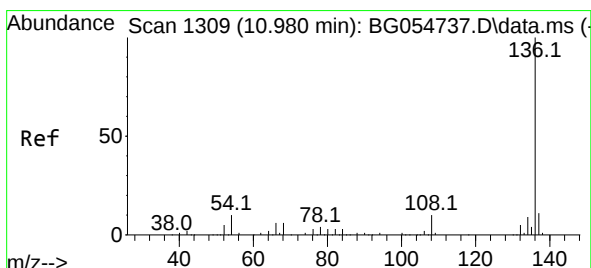
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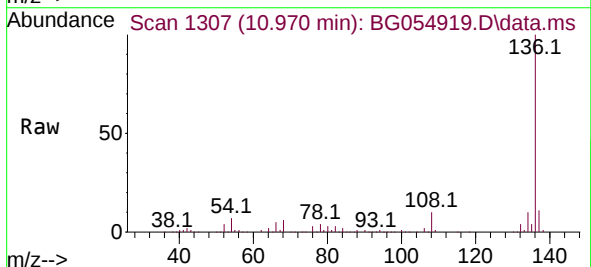


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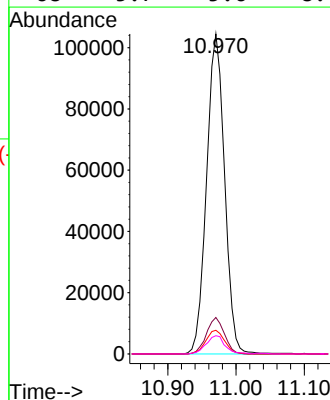
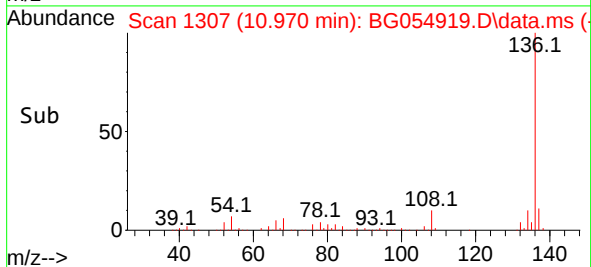
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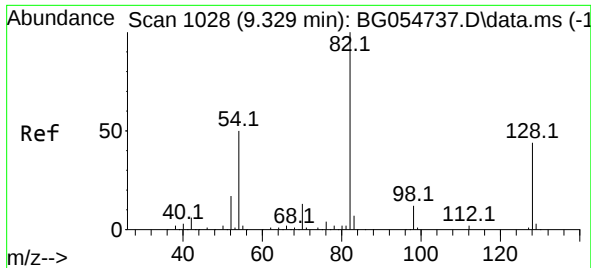


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 1307
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49



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





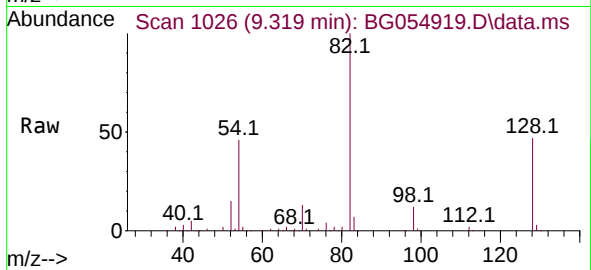
#23
Nitrobenzene-d5
Concen: 68.873 ng
RT: 9.319 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

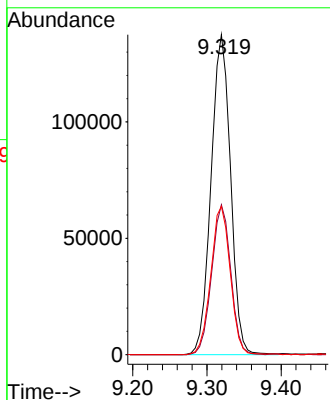
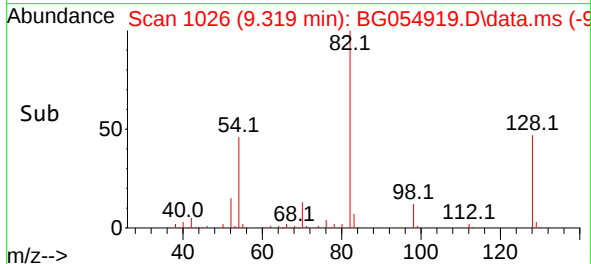
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Tgt Ion: 82 Resp: 250913
Ion Ratio Lower Upper
82 100
128 46.8 32.2 48.2
54 46.3 41.4 62.0

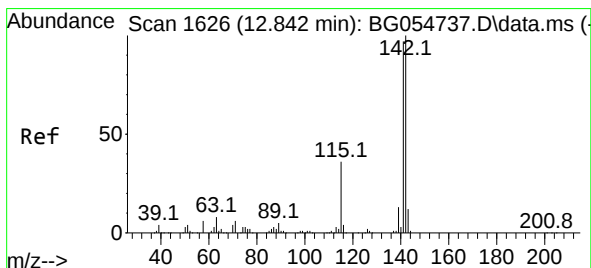
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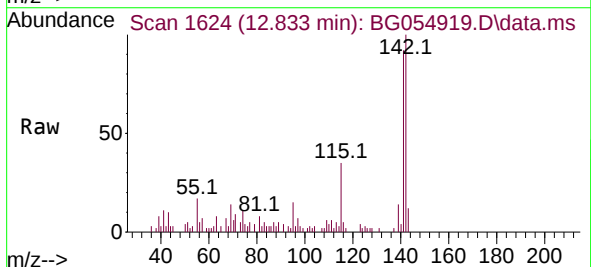


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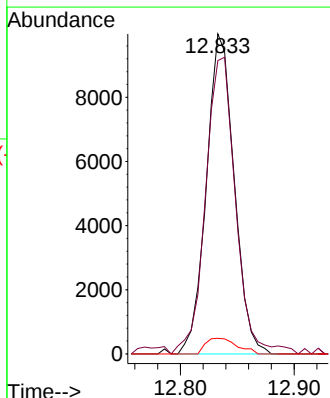
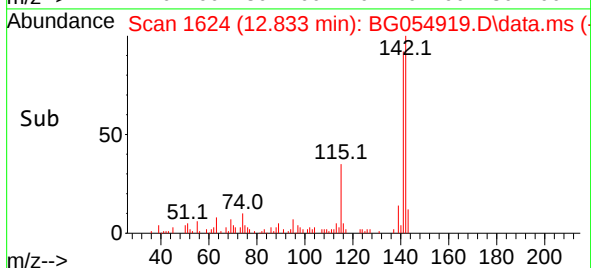
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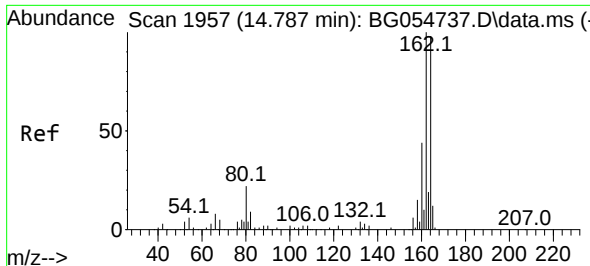


#38
1-Methylnaphthalene
Concen: 2.425 ng
RT: 12.833 min Scan# 1624
Delta R.T. -0.002 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49



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

Instrument :

BNA_G

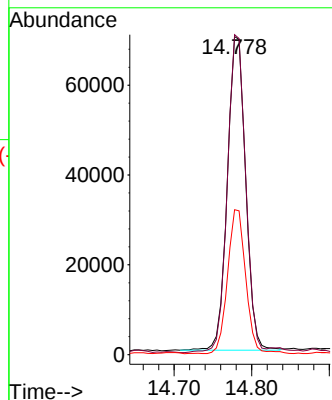
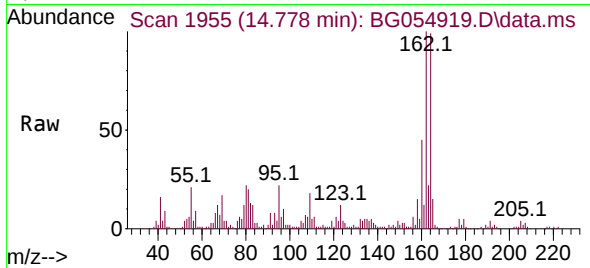
ClientSampleId :

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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

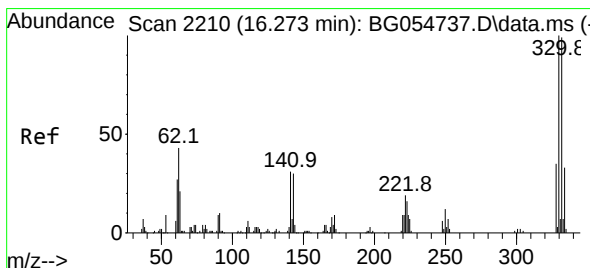
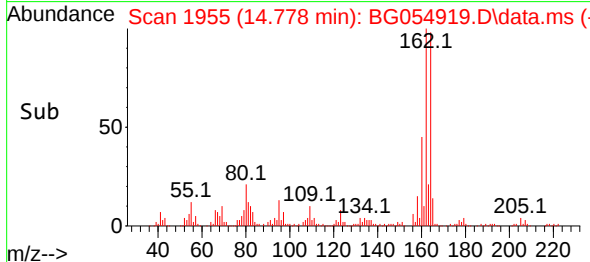
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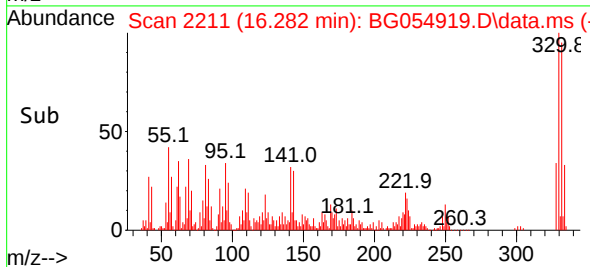
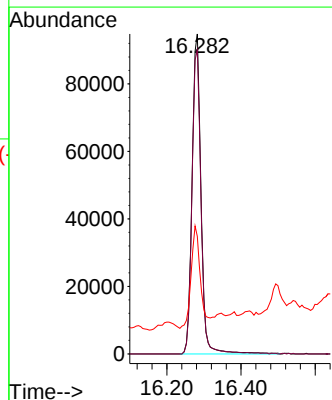
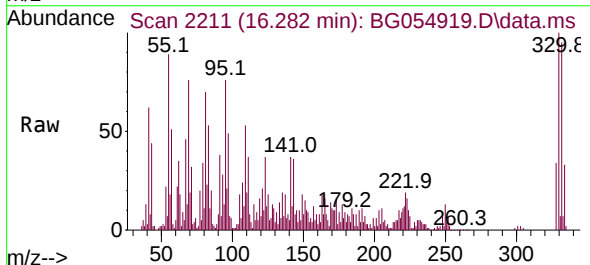
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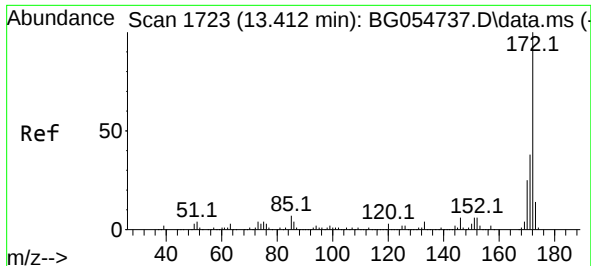
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#42
2,4,6-Tribromophenol
Concen: 110.133 ng
RT: 16.282 min Scan# 2211
Delta R.T. 0.010 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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

Instrument :

BNA_G

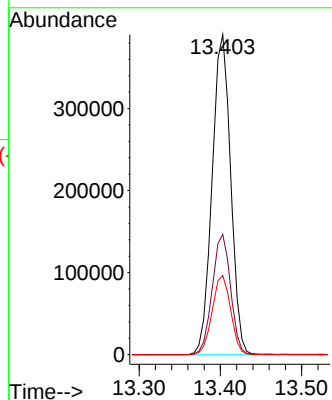
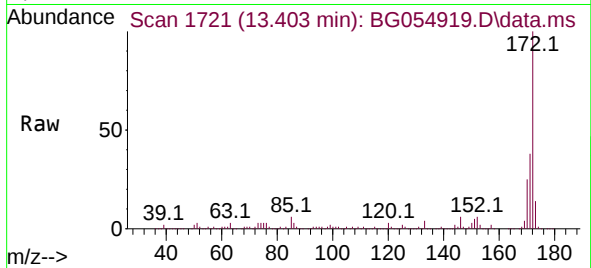
ClientSampleId :

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Tgt Ion:172 Resp: 61834
Ion Ratio Lower Upper
172 100
171 37.6 31.2 46.8
170 24.7 20.6 30.8

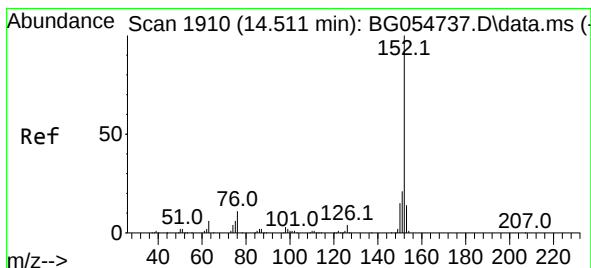
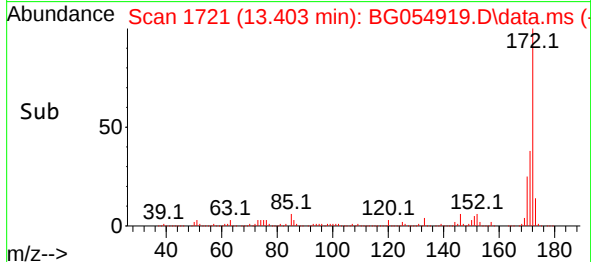
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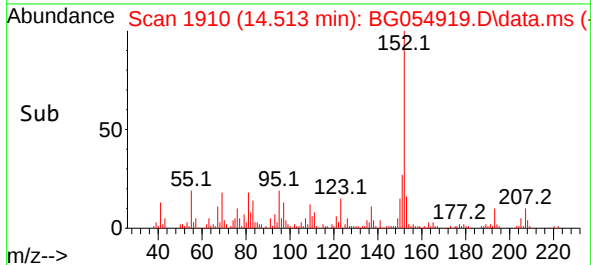
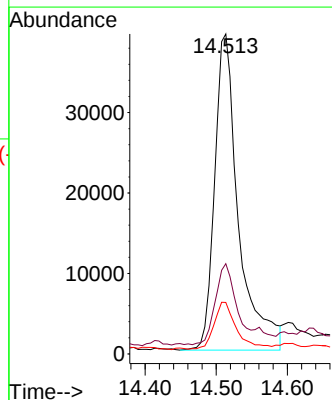
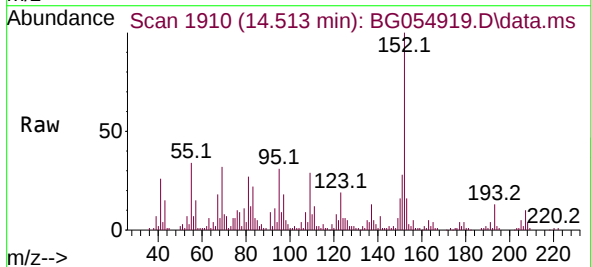
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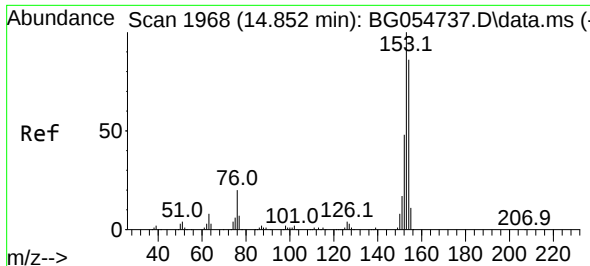
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#49
Acenaphthylene
Concen: 8.595 ng
RT: 14.513 min Scan# 1910
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

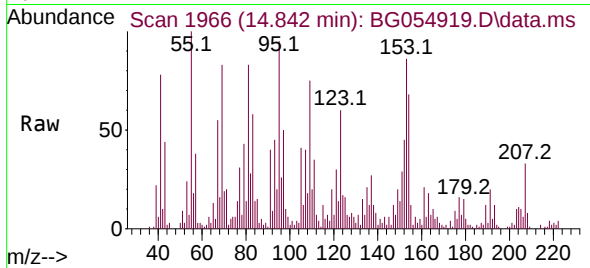
Tgt Ion:152 Resp: 91803
Ion Ratio Lower Upper
152 100
151 28.2 17.3 25.9#
153 16.1 10.8 16.2





#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

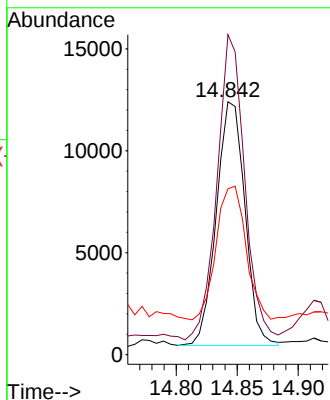
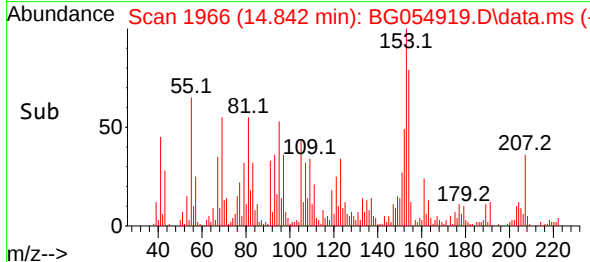
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:154 Resp: 19514
Ion Ratio Lower Upper
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153 126.5 92.8 139.2
152 65.6 45.4 68.2

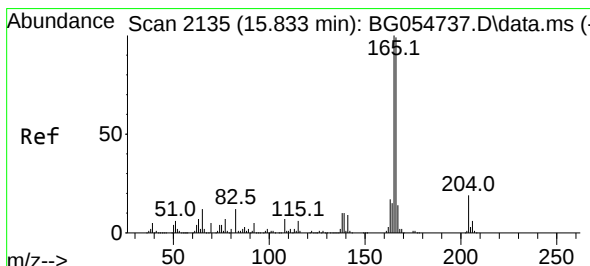
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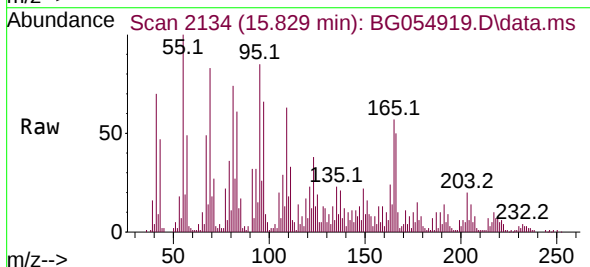


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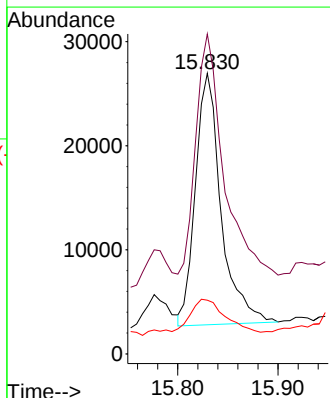
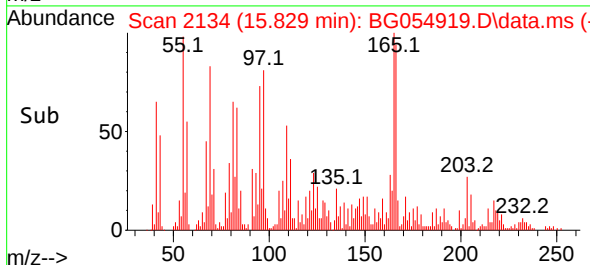
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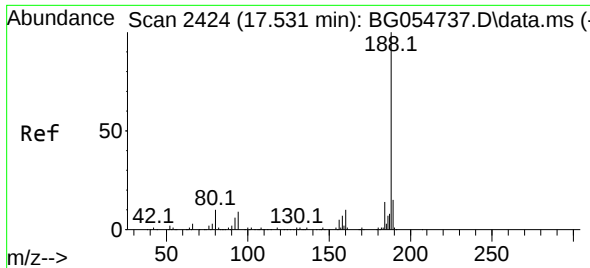


#58
Fluorene
Concen: 5.060 ng
RT: 15.829 min Scan# 2134
Delta R.T. 0.004 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49



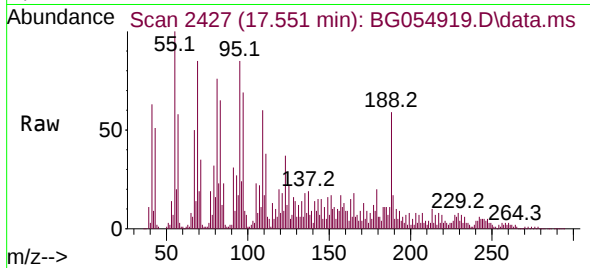
Tgt Ion:166 Resp: 42978
Ion Ratio Lower Upper
166 100
165 114.0 80.8 121.2
167 19.1 11.4 17.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.551 min Scan# 2427
Delta R.T. 0.022 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

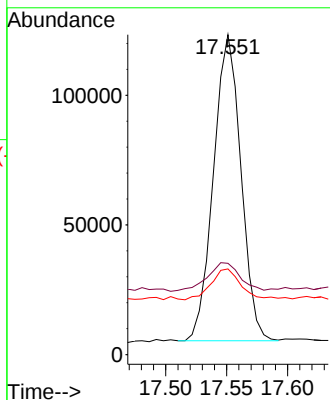
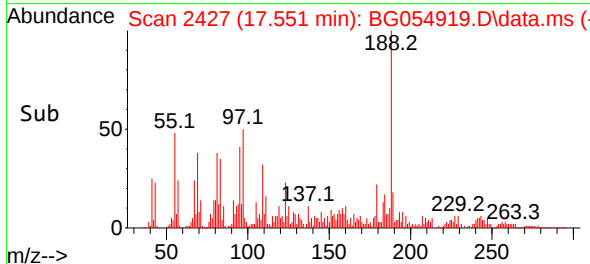
Instrument :
BNA_G
ClientSampleId :
CHRT-2046



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

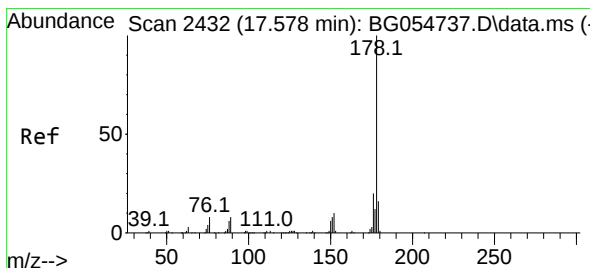
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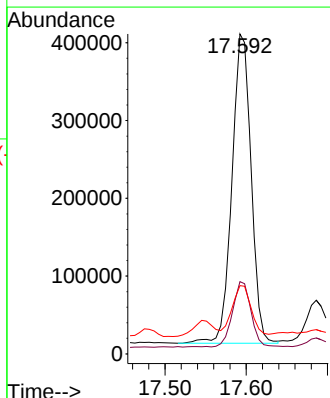
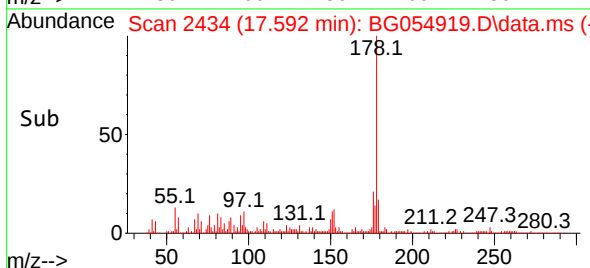
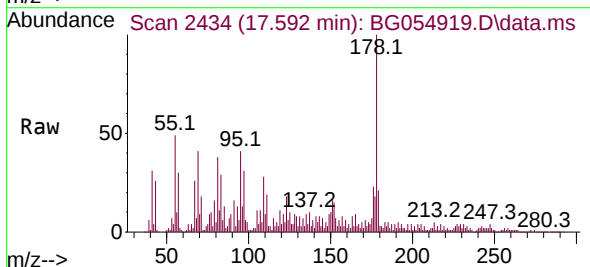
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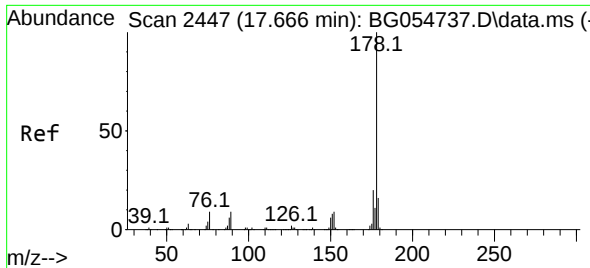
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#71
Phenanthrene
Concen: 66.252 ng
RT: 17.592 min Scan# 2434
Delta R.T. 0.022 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

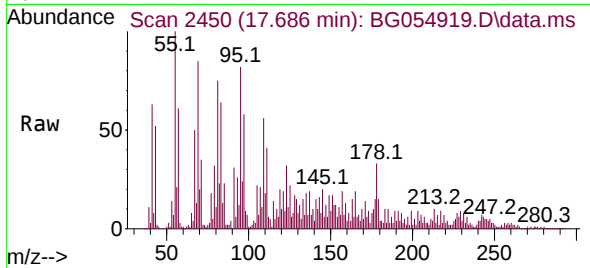
Tgt Ion:178 Resp: 652083
Ion Ratio Lower Upper
178 100
176 22.6 16.6 25.0
179 21.3 12.8 19.2





#72
 Anthracene
 Concen: 9.495 ng
 RT: 17.686 min Scan# 2447
 Delta R.T. 0.022 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49

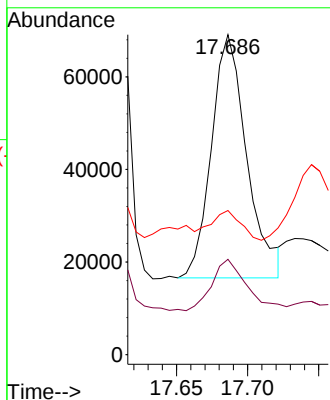
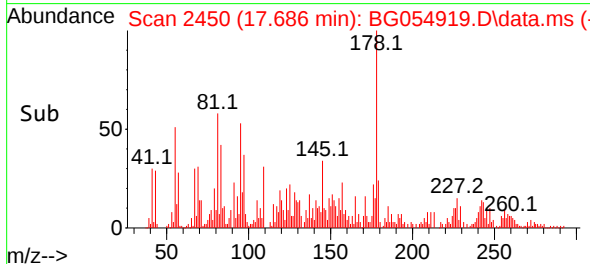
Instrument :
 BNA_G
 ClientSampleId :
 CHRT-2046



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

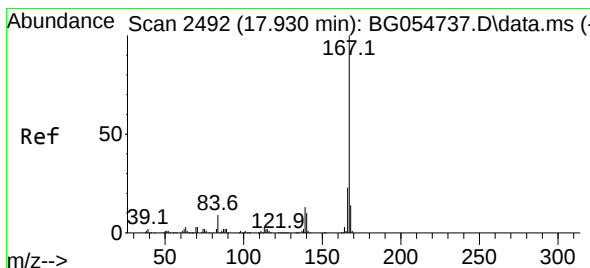
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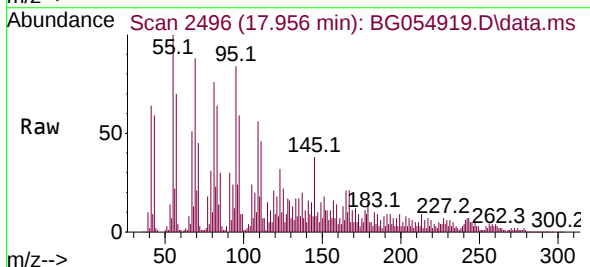


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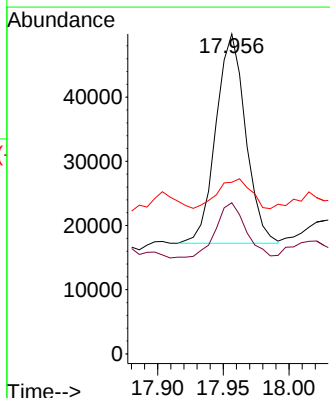
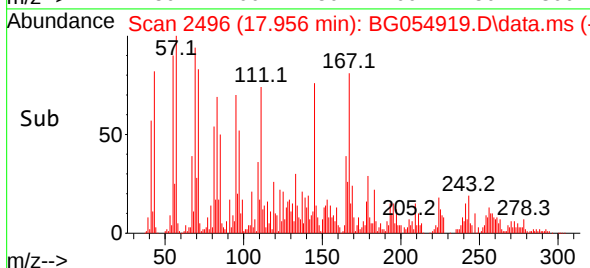
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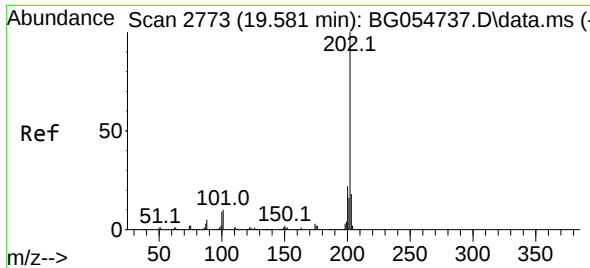


#73
 Carbazole
 Concen: 5.828 ng
 RT: 17.956 min Scan# 2496
 Delta R.T. 0.022 min
 Lab File: BG054919.D
 Acq: 12 Sep 2022 23:49



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#





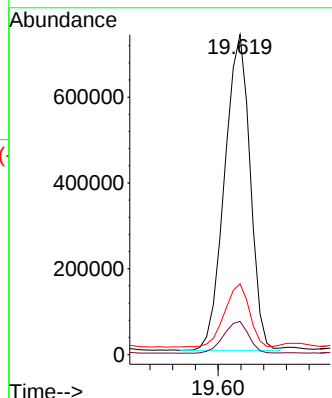
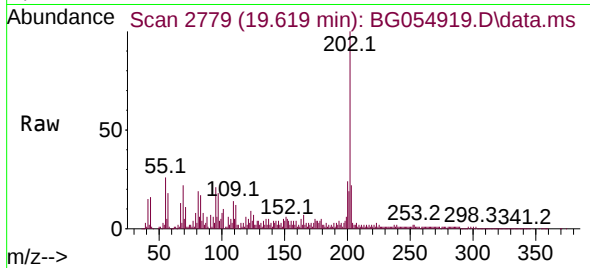
#75
Fluoranthene
Concen: 95.766 ng
RT: 19.619 min Scan# 21
Delta R.T. 0.039 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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

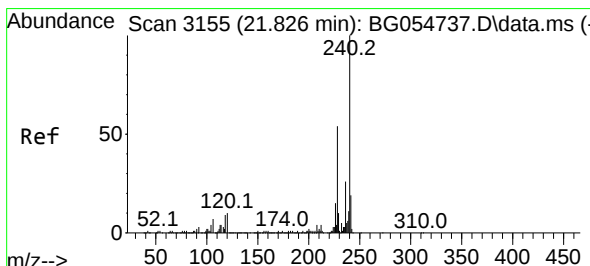
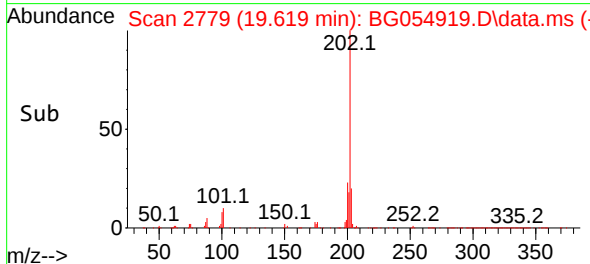
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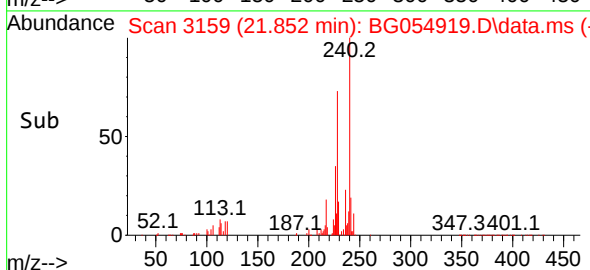
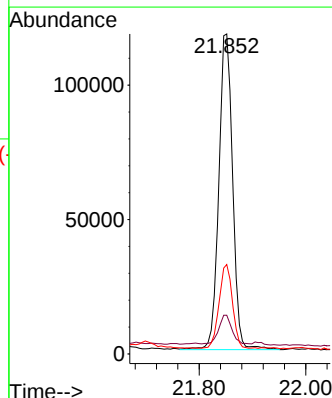
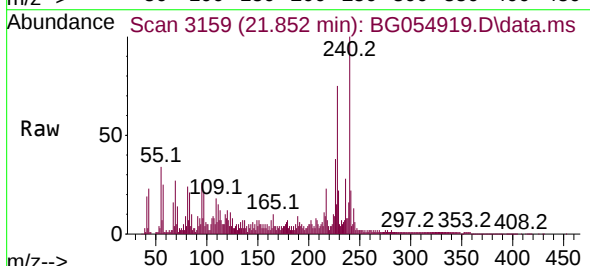
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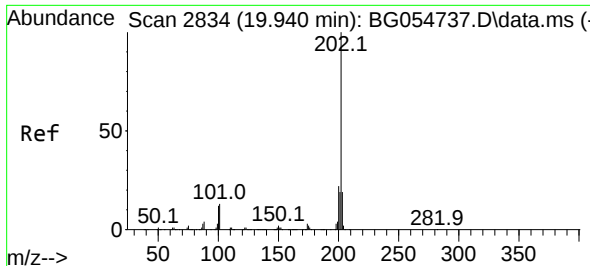
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.852 min Scan# 3159
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

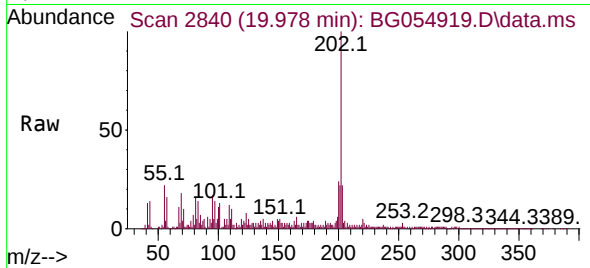
Tgt Ion:240 Resp: 211587
Ion Ratio Lower Upper
240 100
120 12.1 8.2 12.4
236 27.9 21.2 31.8





#78
Pyrene
Concen: 84.439 ng
RT: 19.978 min Scan# 2834
Delta R.T. 0.039 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

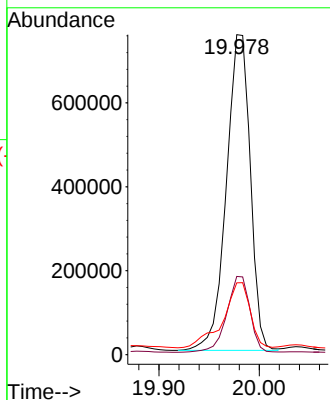
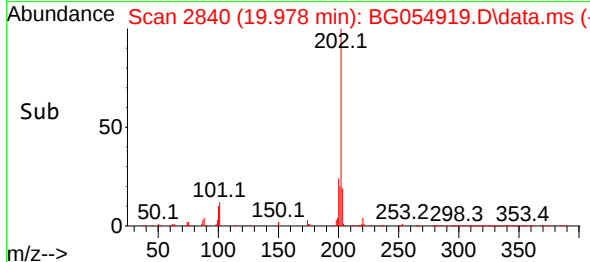
Instrument :
BNA_G
ClientSampleId :
CHRT-2046



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

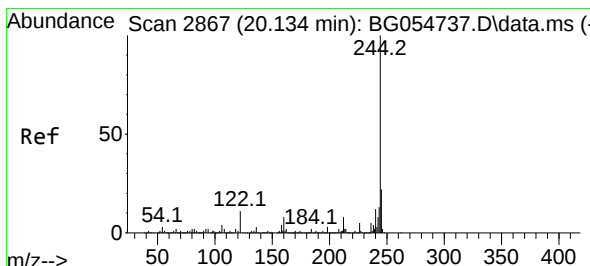
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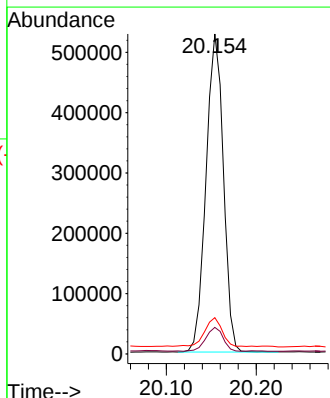
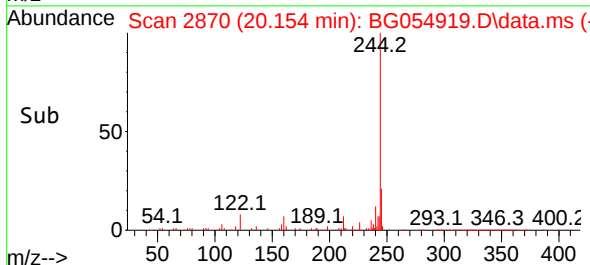
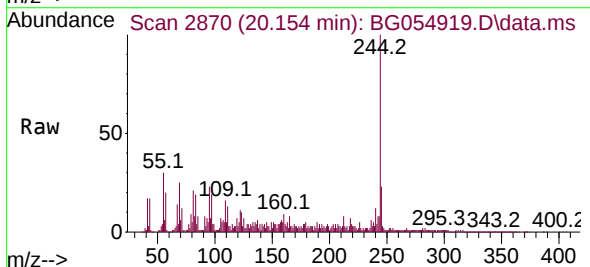
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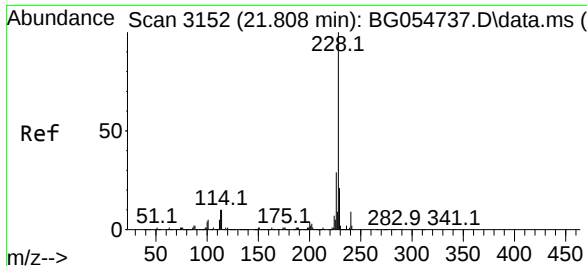
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#79
Terphenyl-d14
Concen: 66.702 ng
RT: 20.154 min Scan# 2870
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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





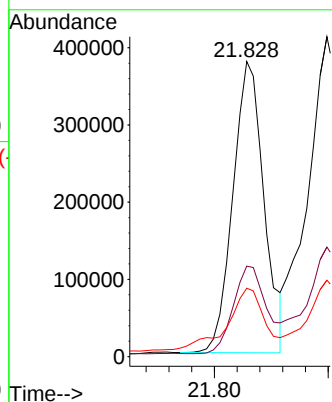
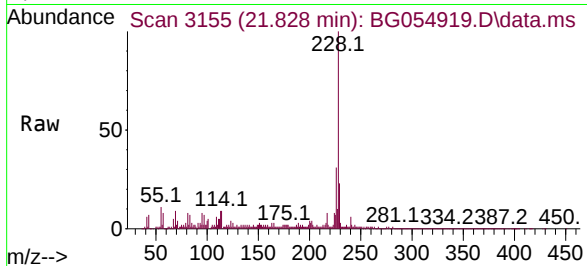
#81
Benzo(a)anthracene
Concen: 49.855 ng
RT: 21.828 min Scan# 3155
Delta R.T. 0.022 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Instrument :
BNA_G
ClientSampleId :
CHRT-2046

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

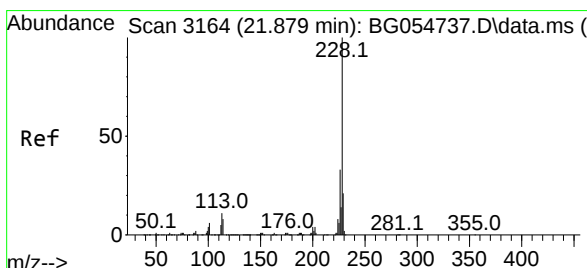
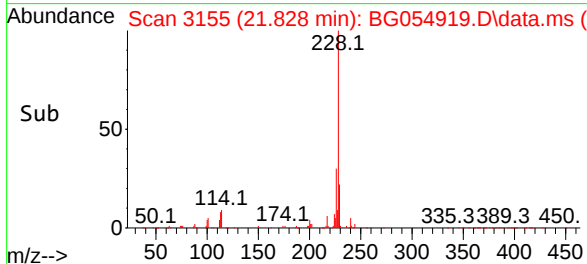
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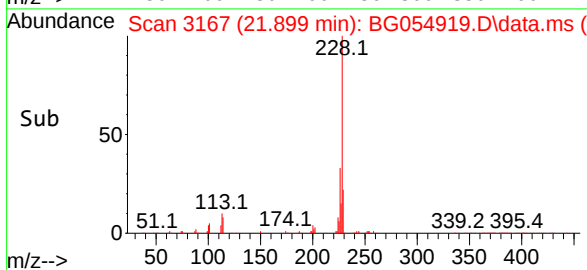
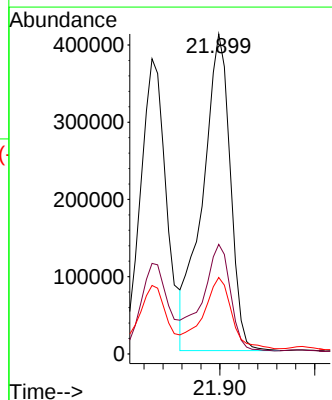
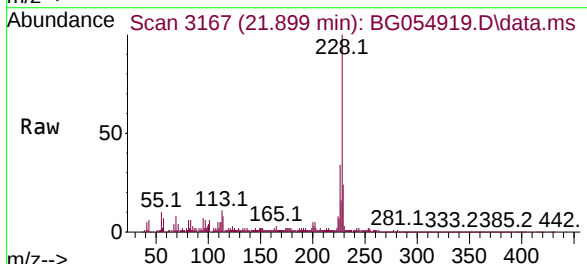
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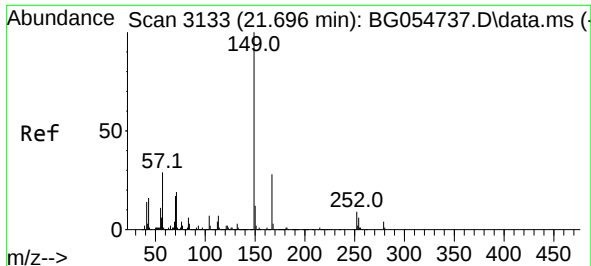
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#83
Chrysene
Concen: 60.992 ng
RT: 21.899 min Scan# 3167
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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# 3133
Delta R.T. 0.010 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

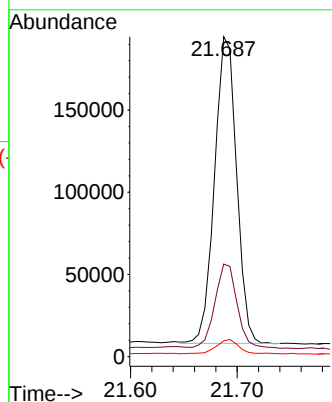
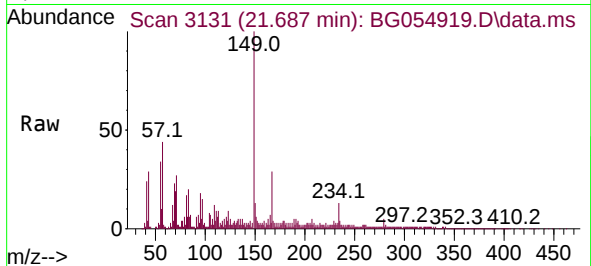
ClientSampleId :

CHRT-2046

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

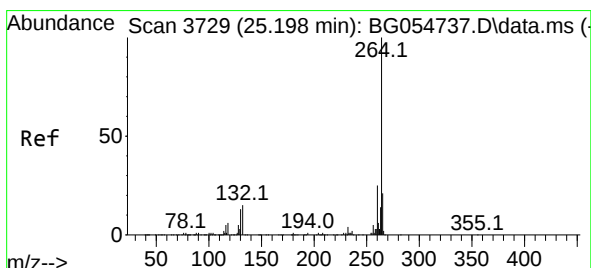
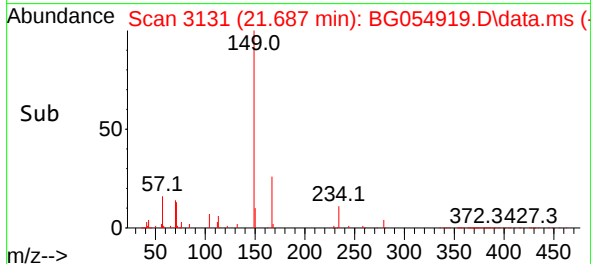
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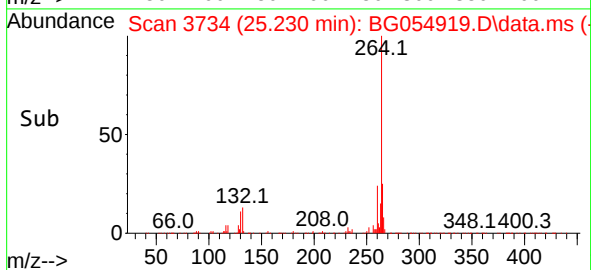
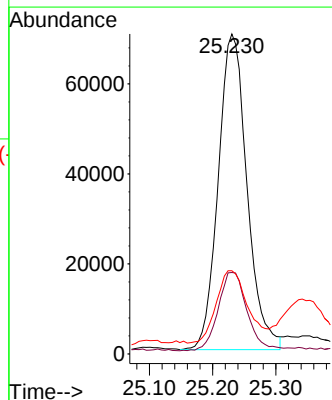
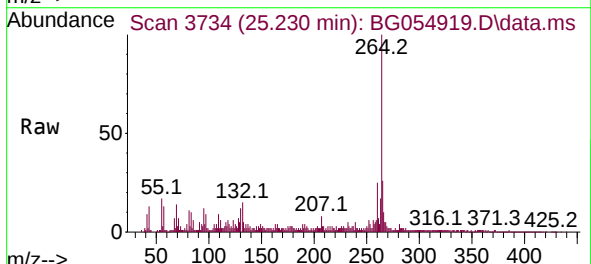
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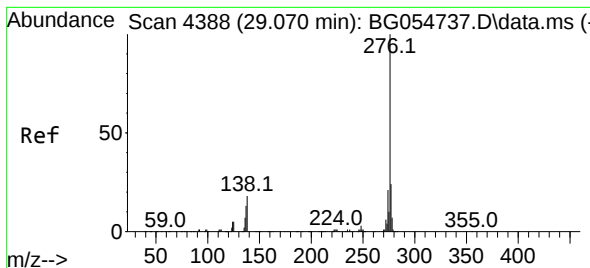
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#86
Perylene-d12
Concen: 20.000 ng
RT: 25.230 min Scan# 3734
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

Tgt Ion:276 Resp: 411198

Ion Ratio Lower Upper

276 100

138 15.2 12.0 18.0

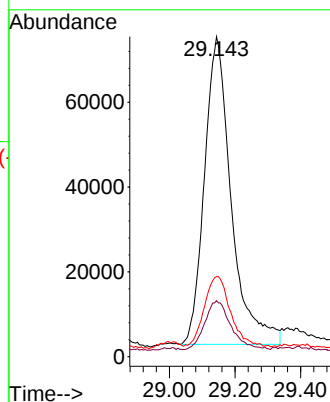
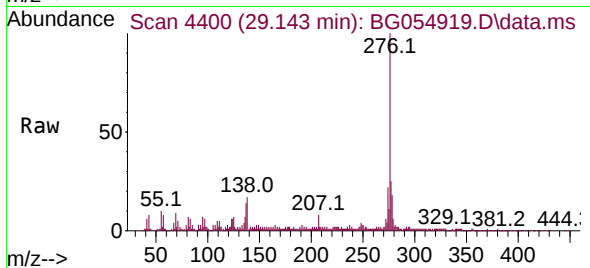
277 21.7 20.2 30.4

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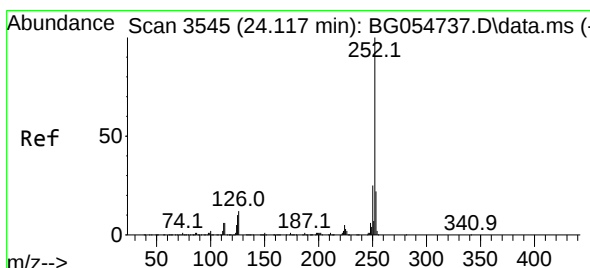
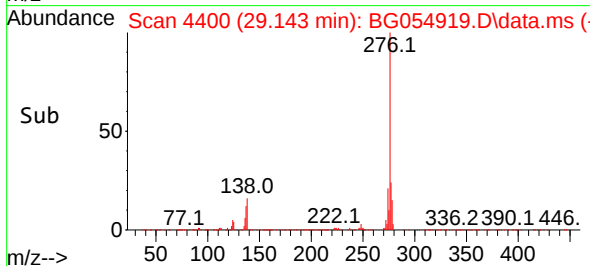
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#88

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

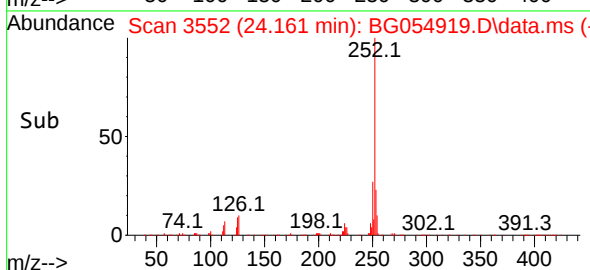
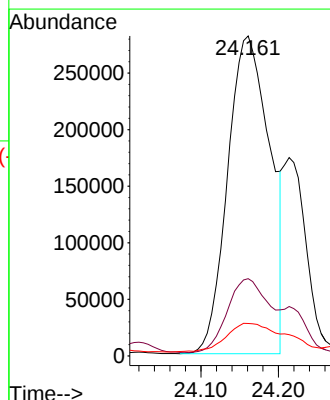
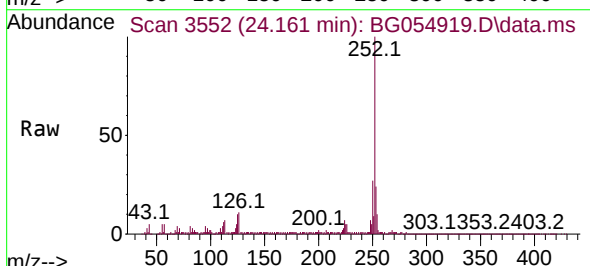
Tgt Ion:252 Resp: 1067466

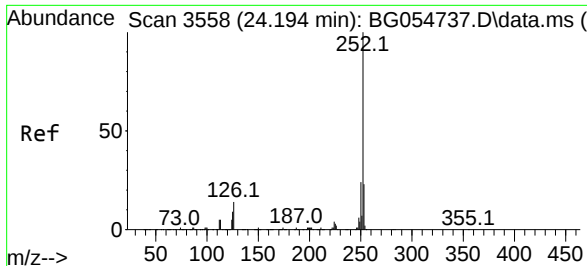
Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

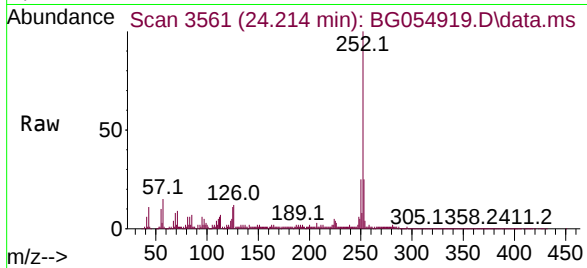
125 10.1 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 25.542 ng m
RT: 24.214 min Scan# 3558
Delta R.T. 0.022 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

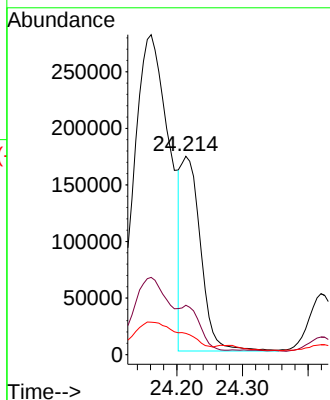
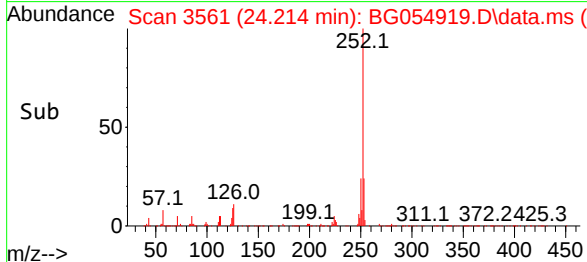
Instrument :
BNA_G
ClientSampleId :
CHRT-2046



Tgt Ion:252 Resp: 358096
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 10.7 8.2 12.4

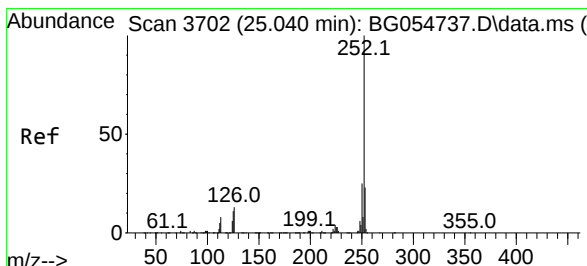
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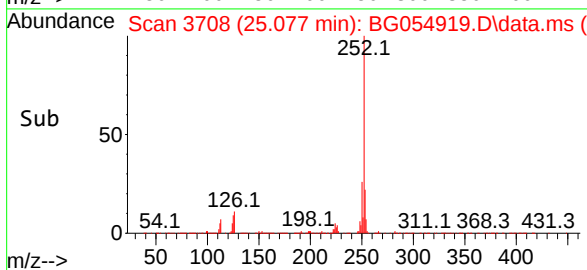
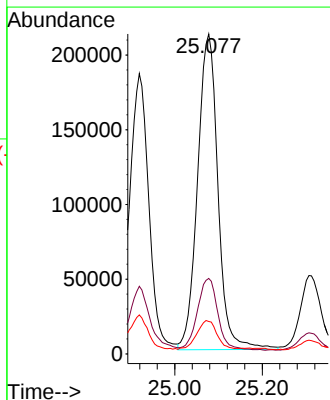
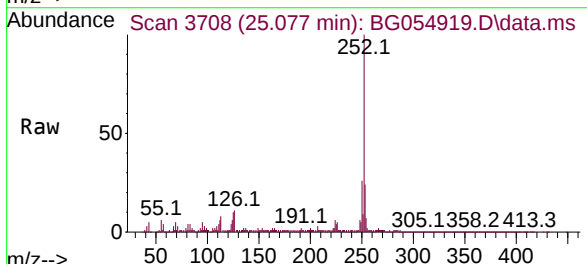
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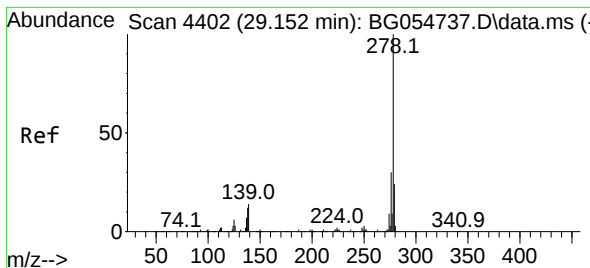
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#90
Benzo(a)pyrene
Concen: 57.432 ng
RT: 25.077 min Scan# 3708
Delta R.T. 0.028 min
Lab File: BG054919.D
Acq: 12 Sep 2022 23:49

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# 4402

Delta R.T. 0.022 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

Instrument :

BNA_G

ClientSampleId :

CHRT-2046

Tgt Ion:278 Resp: 103038

Ion Ratio Lower Upper

278 100

139 16.8 11.4 17.2

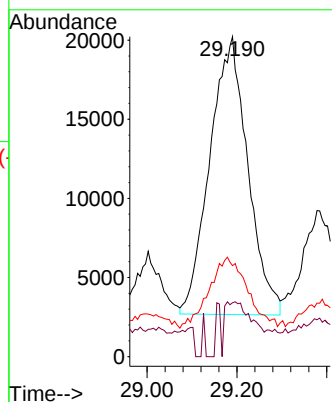
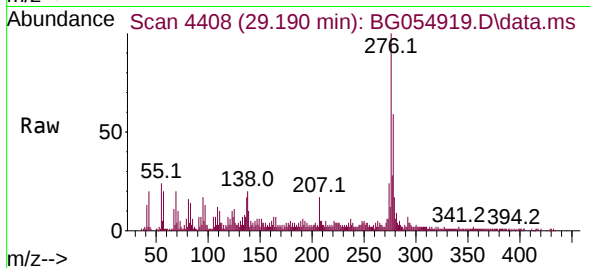
279 28.4 19.3 28.9

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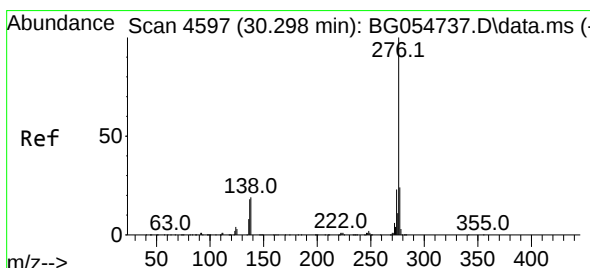
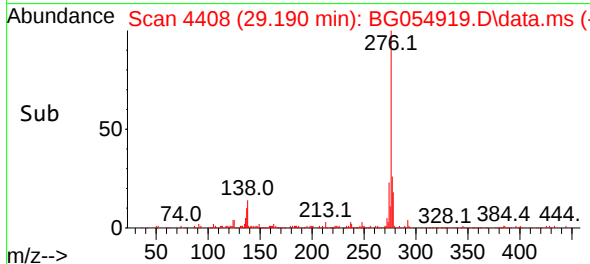


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#92

Benzo(g,h,i)perylene

Concen: 28.308 ng

RT: 30.377 min Scan# 4610

Delta R.T. 0.051 min

Lab File: BG054919.D

Acq: 12 Sep 2022 23:49

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

