

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054109.D
 Acq On : 28 Jun 2022 2:20
 Operator : CG/JU
 Sample : N3494-26 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-2

Quant Time: Jun 28 05:01:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

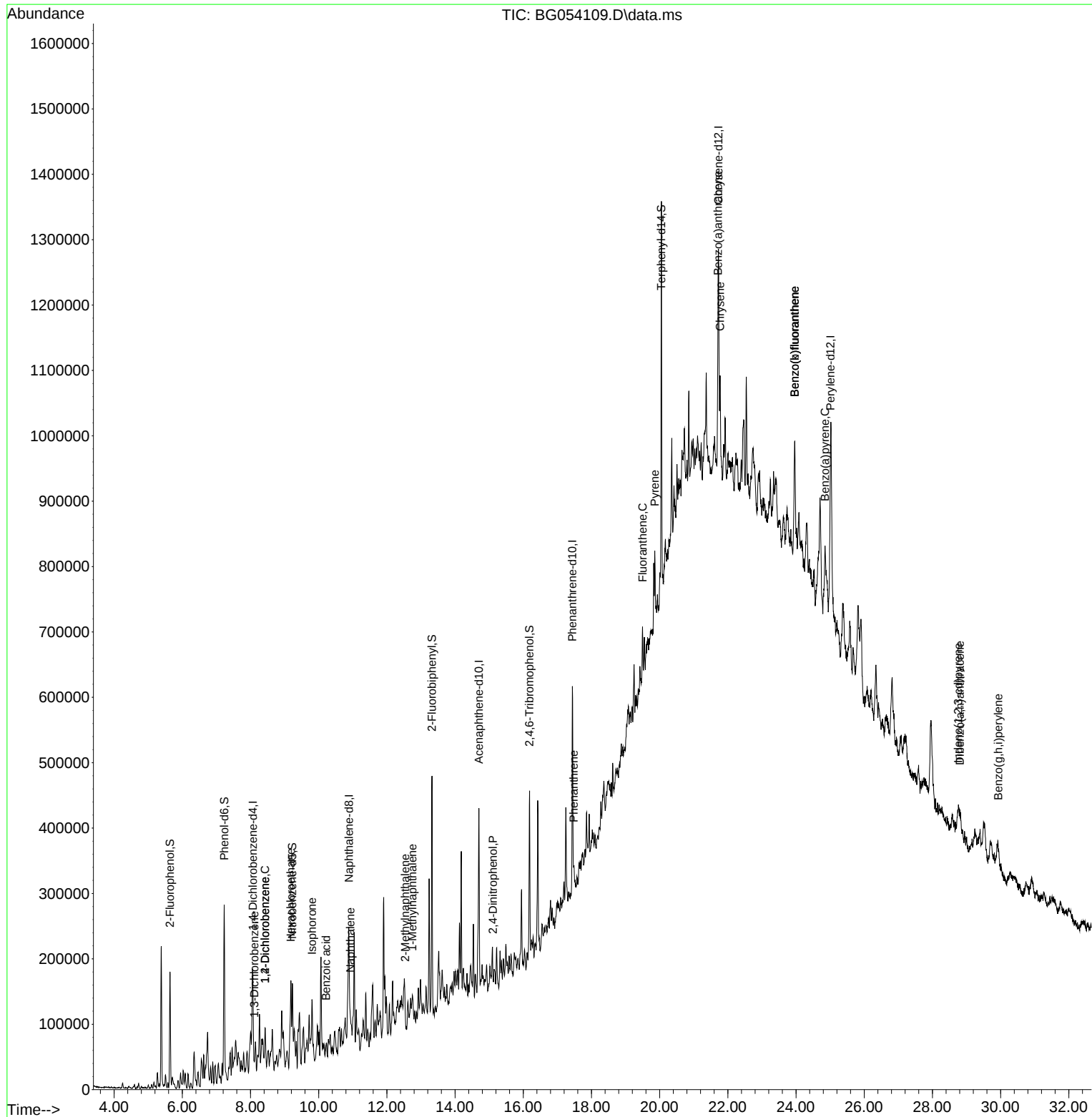
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	33113	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	137883	20.000	ng	# 0.00
39) Acenaphthene-d10	14.698	164	94200	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	204718	20.000	ng	0.00
76) Chrysene-d12	21.725	240	205589	20.000	ng	# 0.00
86) Perylene-d12	25.009	264	219906	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	85168	49.175	ng	0.00
7) Phenol-d6	7.230	99	112330	47.810	ng	0.00
23) Nitrobenzene-d5	9.228	82	78537	32.009	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	59764	39.488	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	195363	30.158	ng	0.00
79) Terphenyl-d14	20.051	244	322574	31.601	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	8.112	146	4757	2.053	ng	97
13) 1,4-Dichlorobenzene	8.429	146	13223	5.681	ng	94
14) 1,2-Dichlorobenzene	8.429	146	13223	5.918	ng	96
18) Hexachloroethane	9.181	117	2801	3.627	ng	# 1
25) Isophorone	9.804	82	9851	2.150	ng	# 1
31) Naphthalene	10.932	128	18715	2.689	ng	# 92
32) Benzoic acid	10.215	122	155	11.443	ng	# 25
37) 2-Methylnaphthalene	12.536	142	14368	2.790	ng	95
38) 1-Methylnaphthalene	12.753	142	10042	2.003	ng	# 97
54) 2,4-Dinitrophenol	15.115	184	135	7.204	ng	# 1
71) Phenanthrene	17.483	178	27383	2.603	ng	# 86
75) Fluoranthene	19.498	202	51992	3.766	ng	88
78) Pyrene	19.857	202	79843	6.430	ng	# 91
81) Benzo(a)anthracene	21.707	228	81460	6.120	ng	# 83
83) Chrysene	21.772	228	138422	10.909	ng	# 88
87) Indeno(1,2,3-cd)pyrene	28.758	276	68102	4.104	ng	# 58
88) Benzo(b)fluoranthene	23.964	252	138793	10.380	ng	# 82
89) Benzo(k)fluoranthene	23.964	252	138793	10.484	ng	# 83
90) Benzo(a)pyrene	24.851	252	117127	10.382	ng	# 82
91) Dibenzo(a,h)anthracene	28.805	278	56620	4.126	ng	# 74
92) Benzo(g,h,i)perylene	29.927	276	94289	6.962	ng	# 88

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

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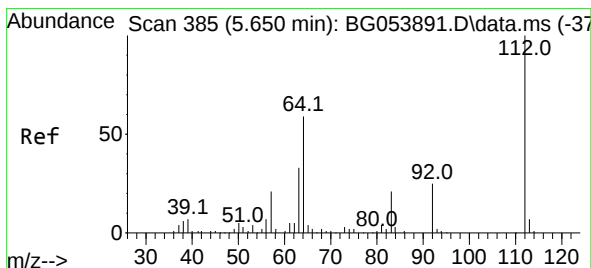
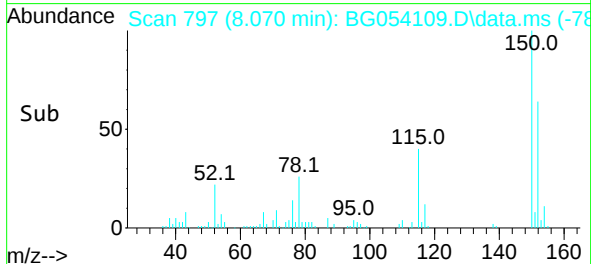
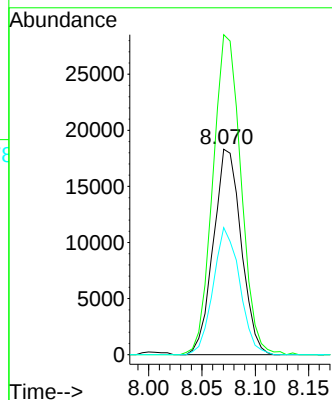
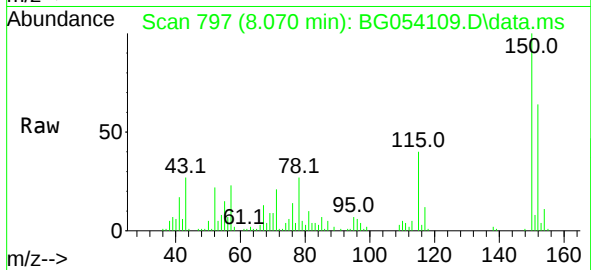




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

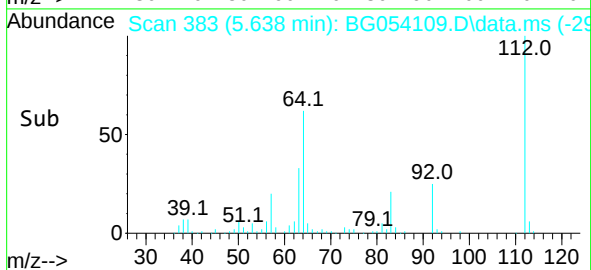
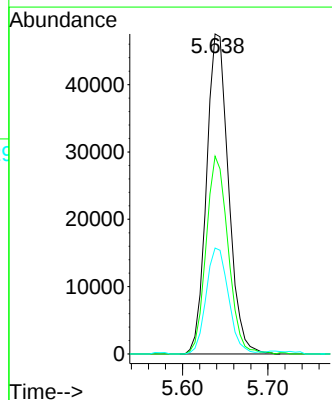
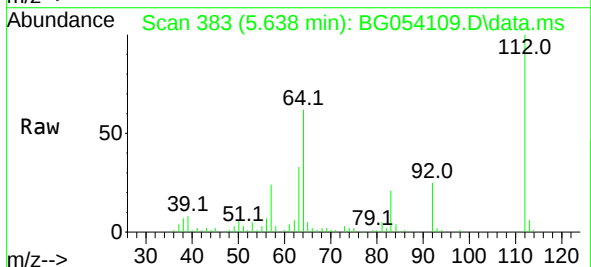
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

Tgt Ion:152 Resp: 33113
Ion Ratio Lower Upper
152 100
150 155.8 131.6 197.4
115 61.9 50.9 76.3



#5
2-Fluorophenol
Concen: 49.175 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:112 Resp: 85168
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 33.1 30.4 45.6

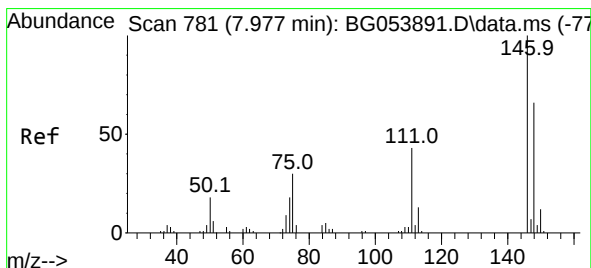
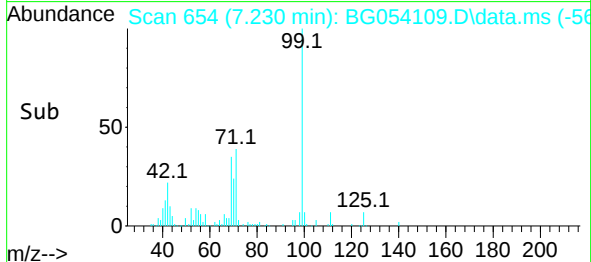
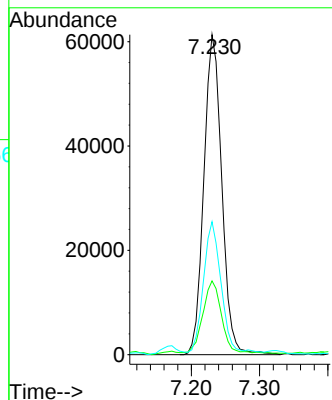
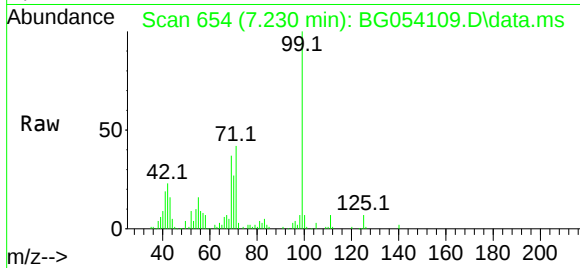




#7
Phenol-d6
Concen: 47.810 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

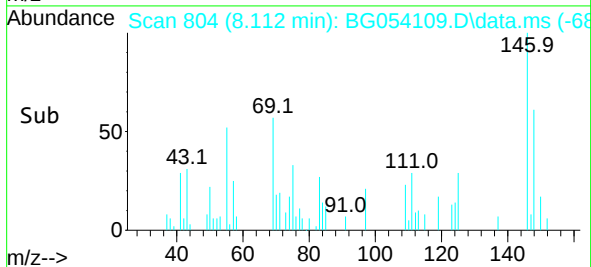
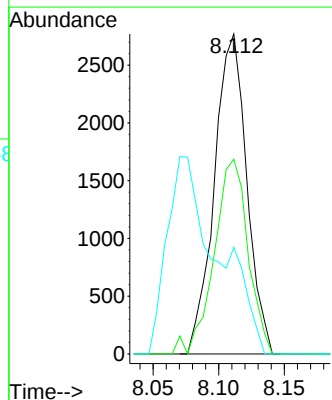
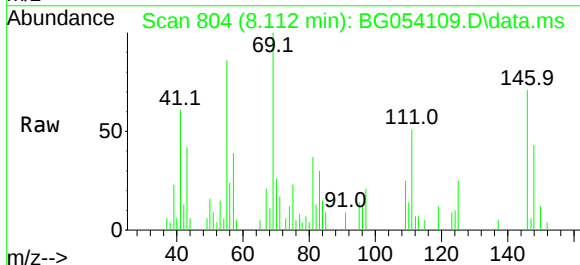
Instrument :
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ClientSampleId :
SP-EXC-1-2

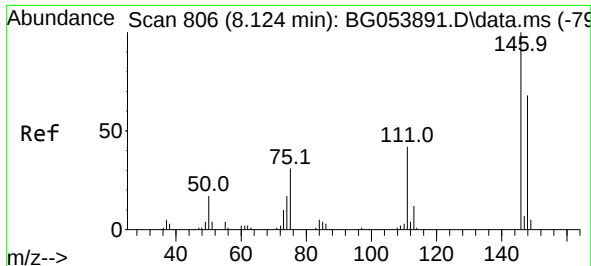
Tgt Ion: 99 Resp: 112330
Ion Ratio Lower Upper
99 100
42 23.1 17.0 25.6
71 41.6 33.8 50.8



#12
1,3-Dichlorobenzene
Concen: 2.053 ng
RT: 8.112 min Scan# 804
Delta R.T. 0.147 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion: 146 Resp: 4757
Ion Ratio Lower Upper
146 100
148 60.8 46.1 69.1
75 33.3 27.6 41.4

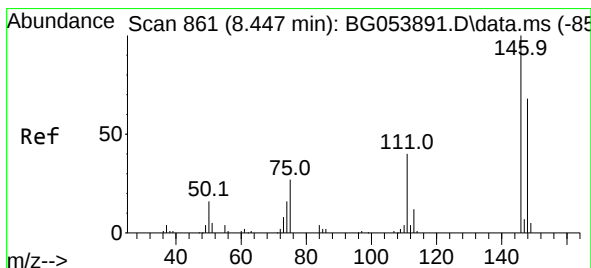
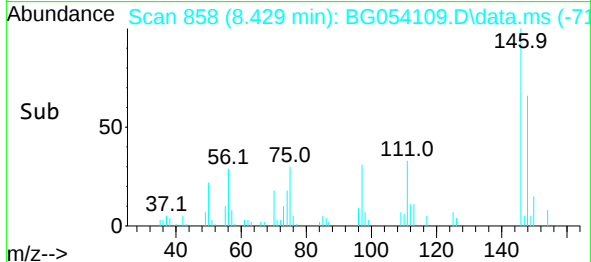
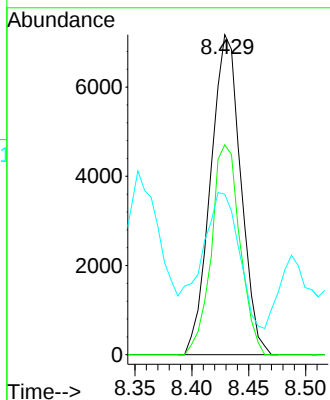
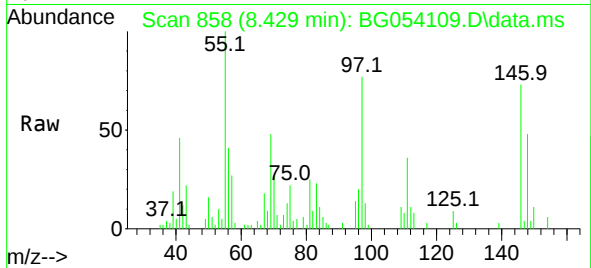




#13
1,4-Dichlorobenzene
Concen: 5.681 ng
RT: 8.429 min Scan# 806
Delta R.T. 0.323 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

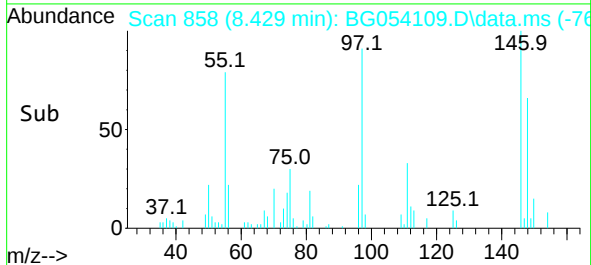
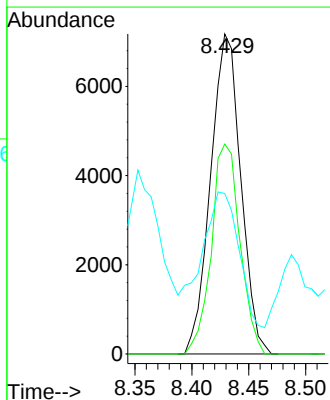
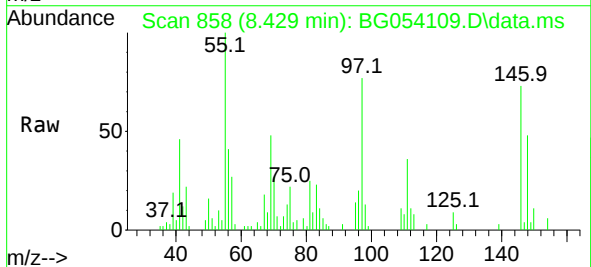
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

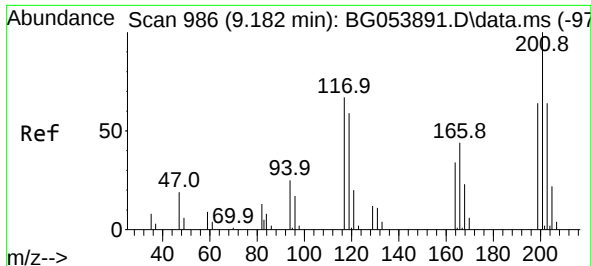
Tgt Ion:146 Resp: 13223
Ion Ratio Lower Upper
146 100
148 65.6 51.5 77.3
111 50.1 33.9 50.9



#14
1,2-Dichlorobenzene
Concen: 5.918 ng
RT: 8.429 min Scan# 858
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:146 Resp: 13223
Ion Ratio Lower Upper
146 100
148 65.6 52.6 78.8
111 50.1 34.5 51.7

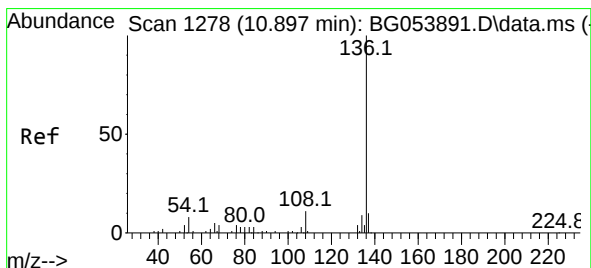
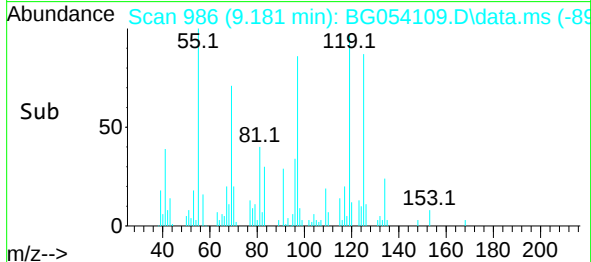
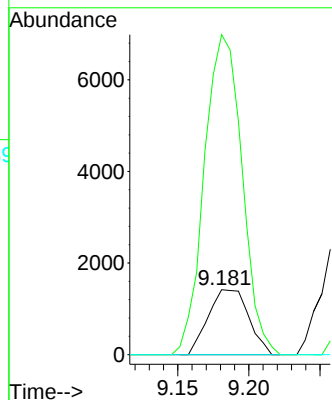
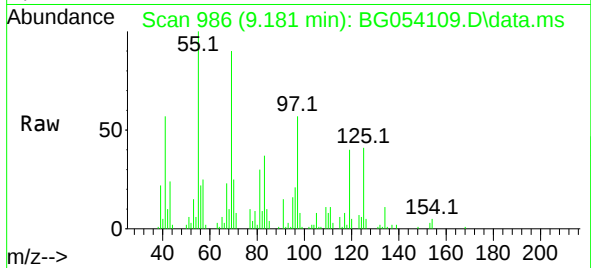




#18
Hexachloroethane
Concen: 3.627 ng
RT: 9.181 min Scan# 91
Delta R.T. 0.018 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

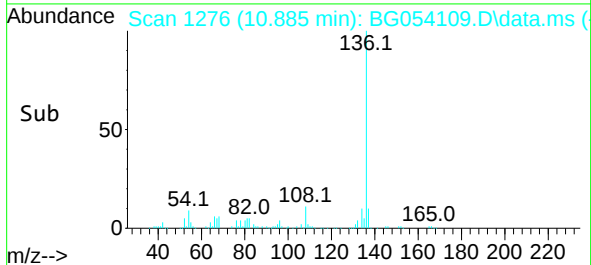
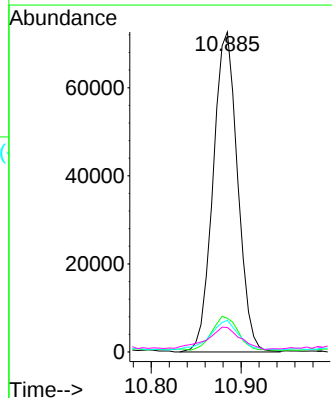
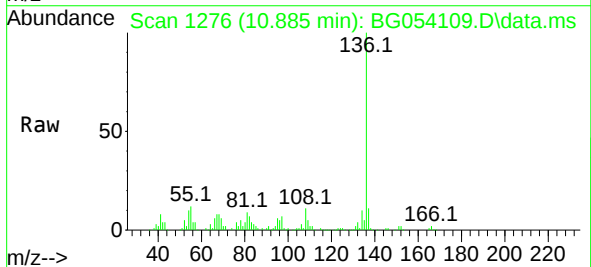
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

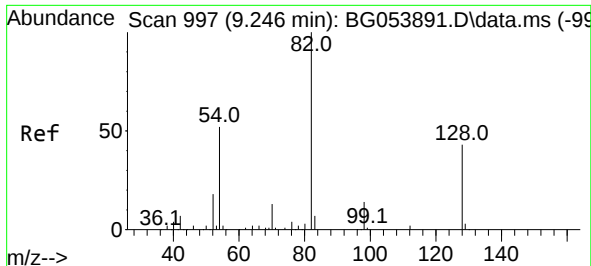
Tgt Ion:117 Resp: 2801
Ion Ratio Lower Upper
117 100
119 493.3 75.0 112.6#
201 0.0 89.0 133.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 1276
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:136 Resp: 137883
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 9.9 7.4 11.2
68 7.6 4.9 7.3#

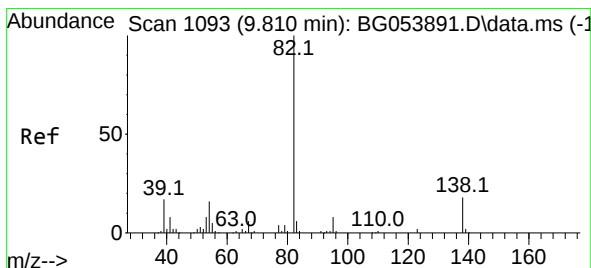
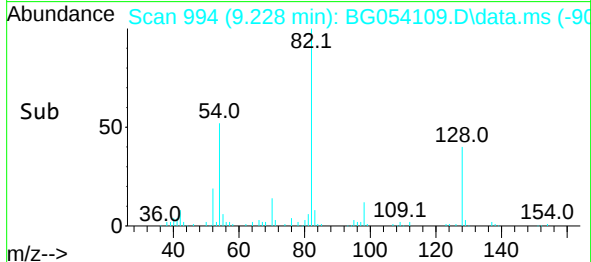
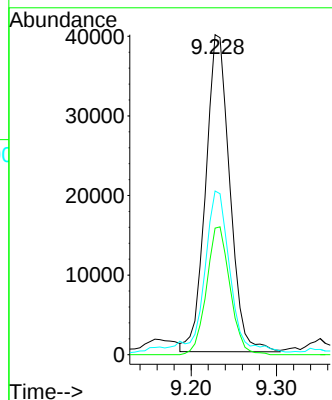
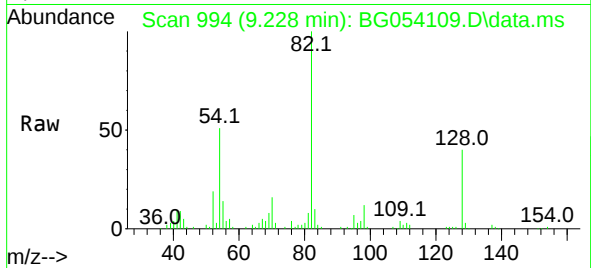




#23
Nitrobenzene-d5
Concen: 32.009 ng
RT: 9.228 min Scan# 997
Delta R.T. -0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

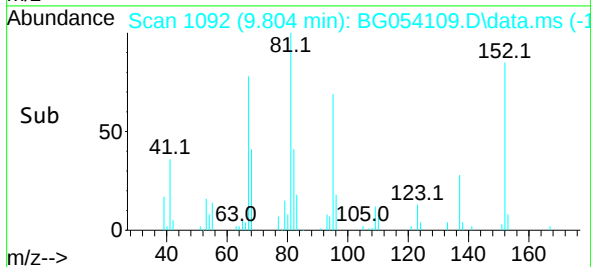
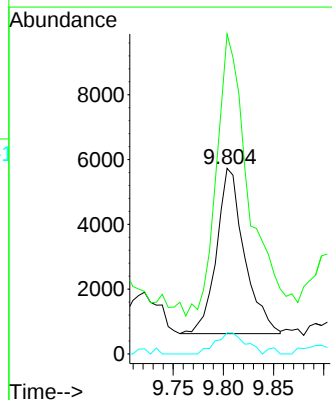
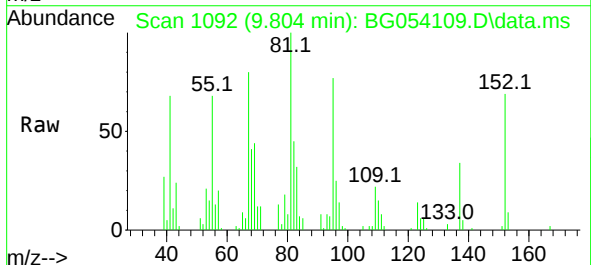
Instrument :
BNA_G
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SP-EXC-1-2

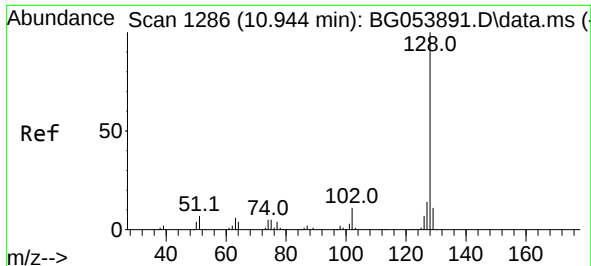
Tgt Ion: 82 Resp: 78537
Ion Ratio Lower Upper
82 100
128 39.5 27.9 41.9
54 51.2 41.2 61.8



#25
Isophorone
Concen: 2.150 ng
RT: 9.804 min Scan# 1092
Delta R.T. 0.006 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion: 82 Resp: 9851
Ion Ratio Lower Upper
82 100
95 172.4 6.2 9.4#
138 11.4 11.6 17.4#

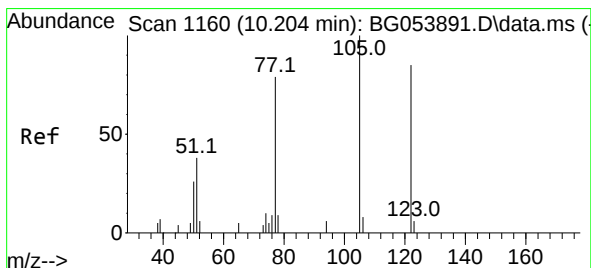
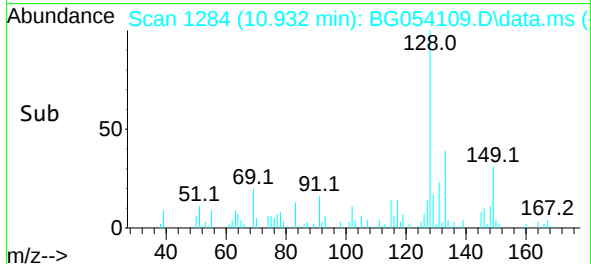
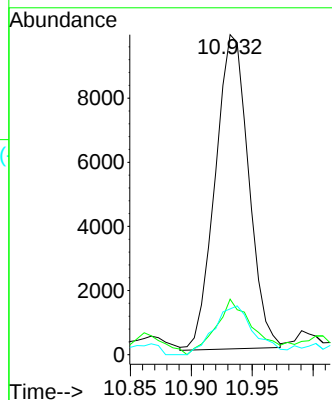
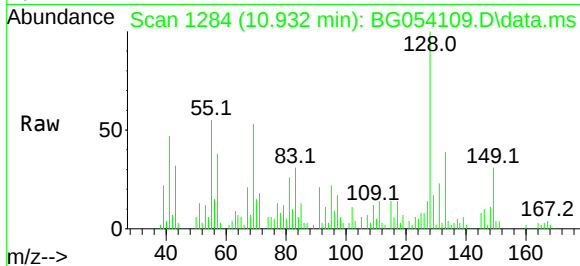




#31
Naphthalene
Concen: 2.689 ng
RT: 10.932 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

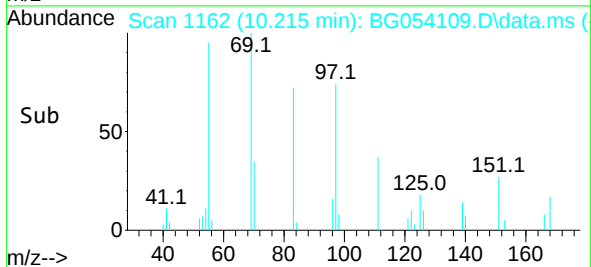
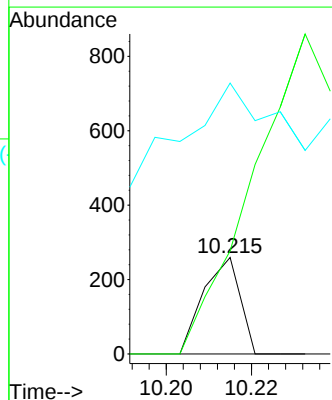
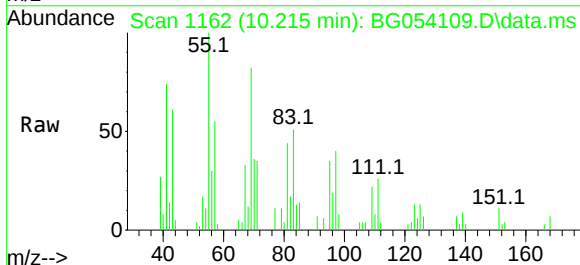
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SP-EXC-1-2

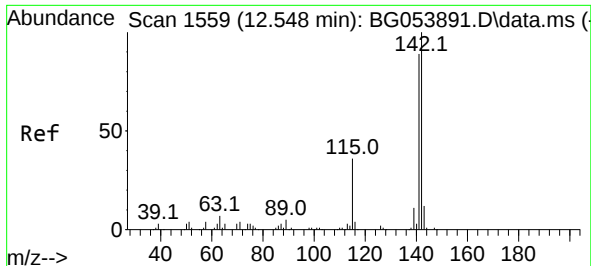
Tgt Ion:128 Resp: 18715
Ion Ratio Lower Upper
128 100
129 17.3 9.0 13.6#
127 14.3 11.1 16.7



#32
Benzoic acid
Concen: 11.443 ng
RT: 10.215 min Scan# 1162
Delta R.T. 0.018 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:122 Resp: 155
Ion Ratio Lower Upper
122 100
105 106.9 111.8 151.8#
77 281.1 109.4 149.4#





#37

2-Methylnaphthalene

Concen: 2.790 ng

RT: 12.536 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

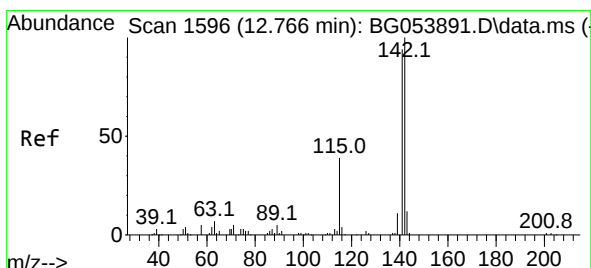
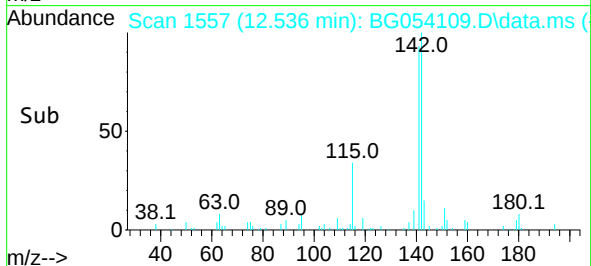
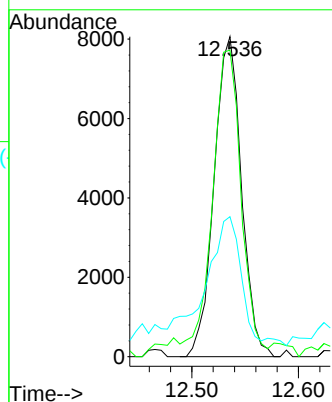
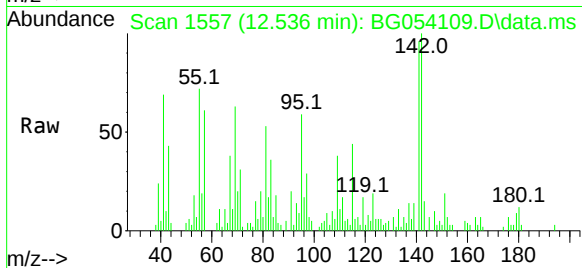
Tgt Ion:142 Resp: 14368

Ion Ratio Lower Upper

142 100

141 95.8 72.3 108.5

115 43.8 33.7 50.5



#38

1-Methylnaphthalene

Concen: 2.003 ng

RT: 12.753 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

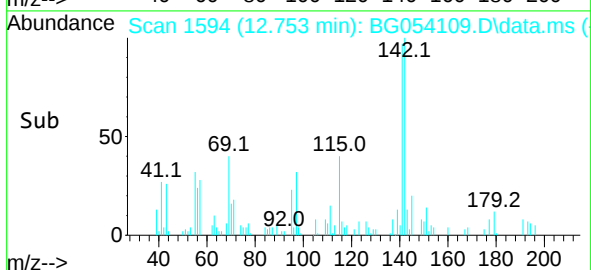
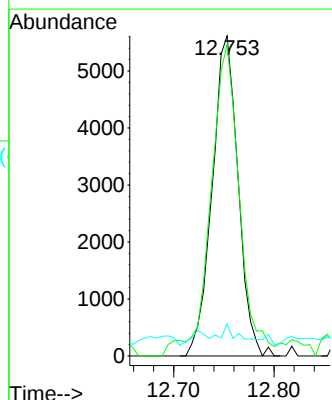
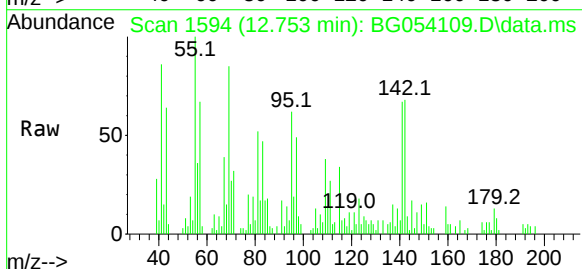
Tgt Ion:142 Resp: 10042

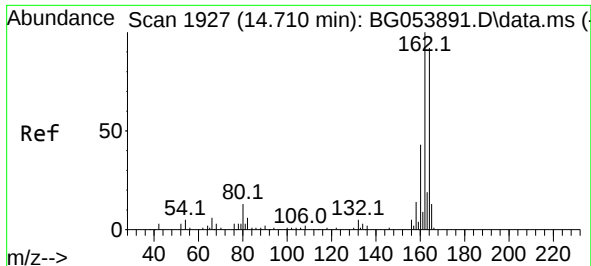
Ion Ratio Lower Upper

142 100

141 97.3 76.4 114.6

116 10.0 3.3 4.9#

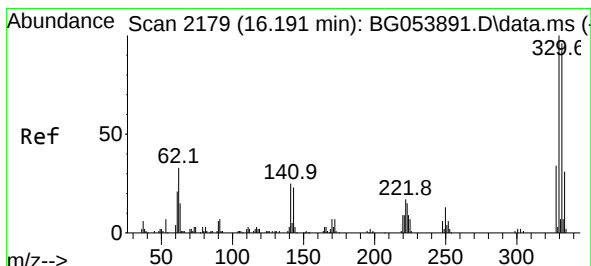
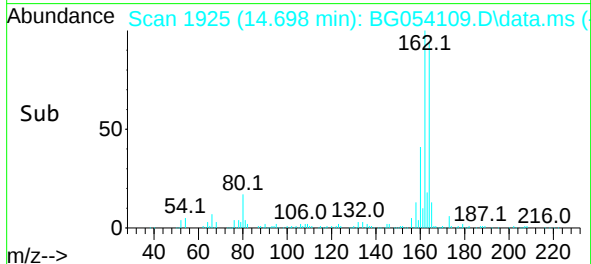
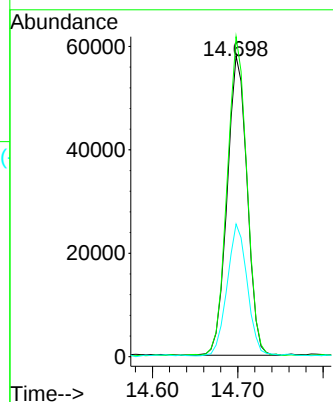
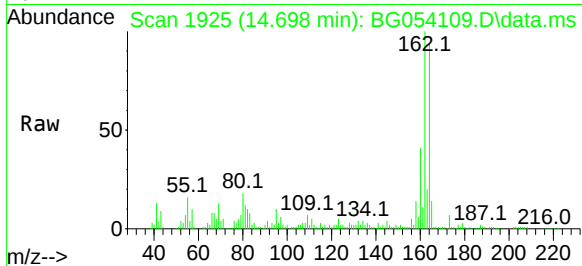




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

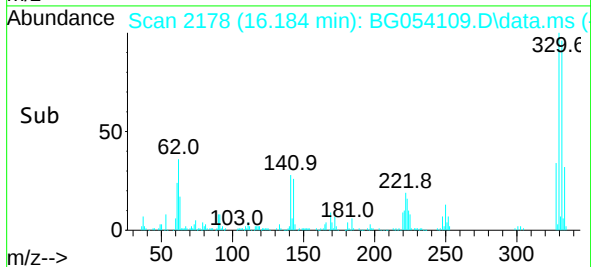
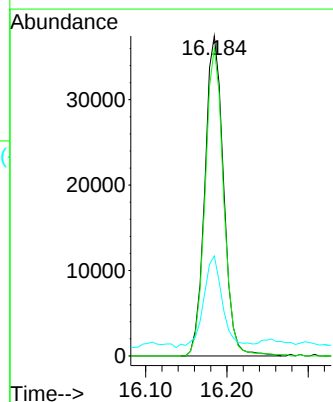
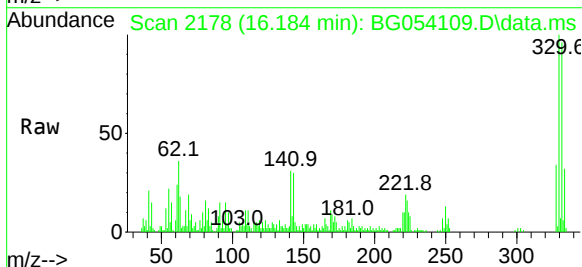
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

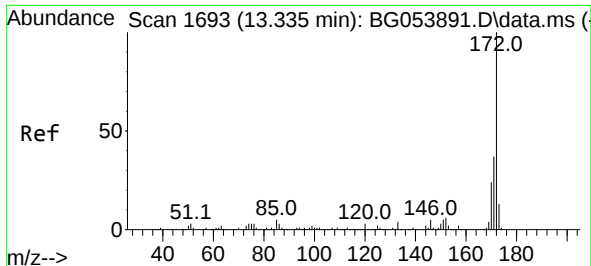
Tgt Ion:164 Resp: 94200
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 44.1 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 39.488 ng
RT: 16.184 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:330 Resp: 59764
Ion Ratio Lower Upper
330 100
332 95.2 76.0 114.0
141 29.4 27.1 40.7

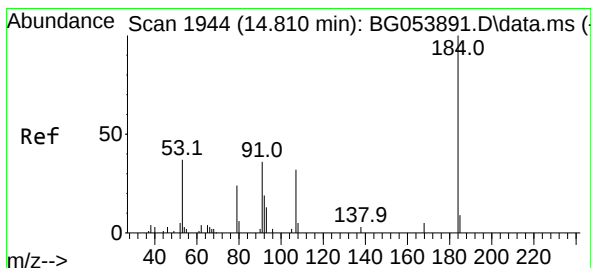
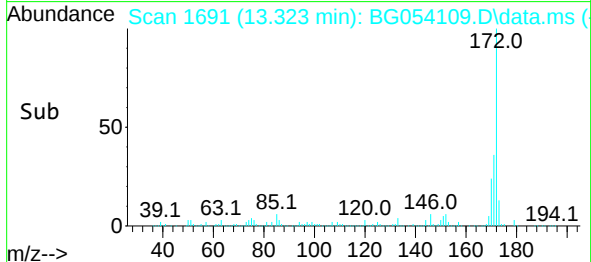
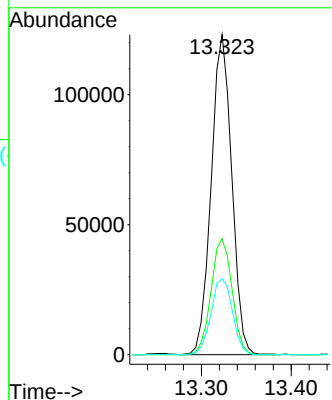
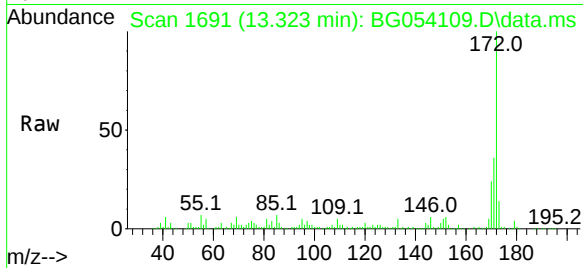




#45
2-Fluorobiphenyl
Concen: 30.158 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

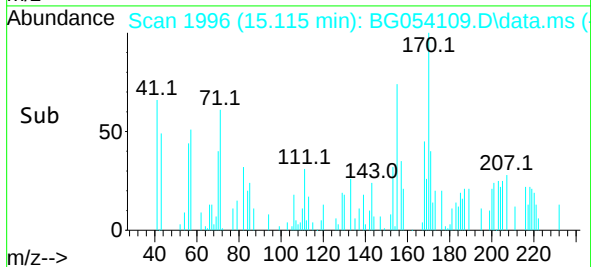
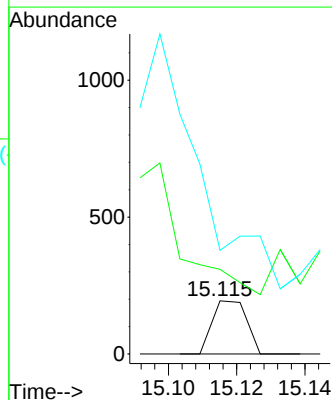
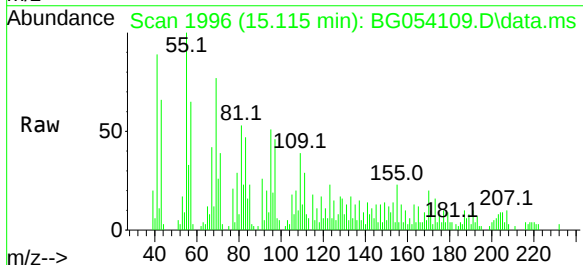
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

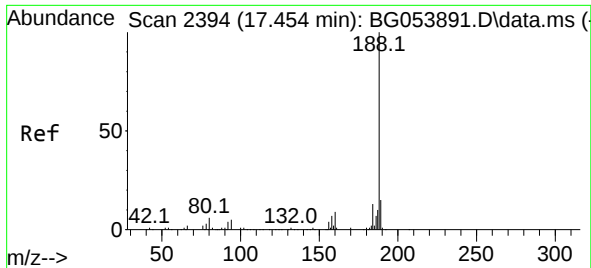
Tgt Ion:172 Resp: 195363
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.7 18.9 28.3



#54
2,4-Dinitrophenol
Concen: 7.204 ng
RT: 15.115 min Scan# 1996
Delta R.T. 0.311 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:184 Resp: 135
Ion Ratio Lower Upper
184 100
63 159.3 61.1 91.7#
154 195.4 60.6 91.0#

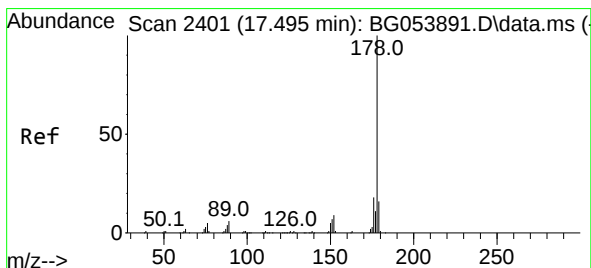
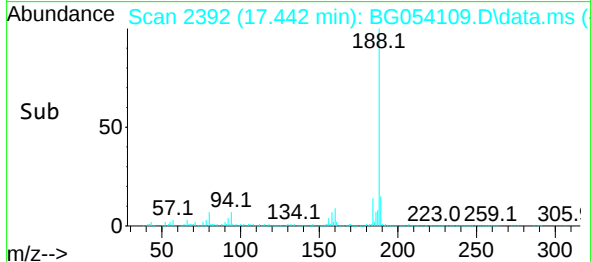
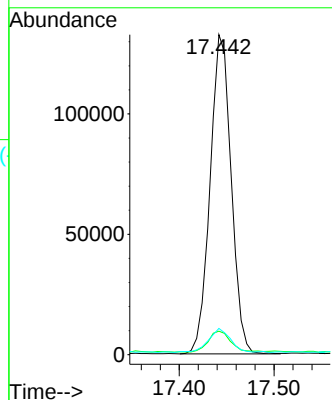
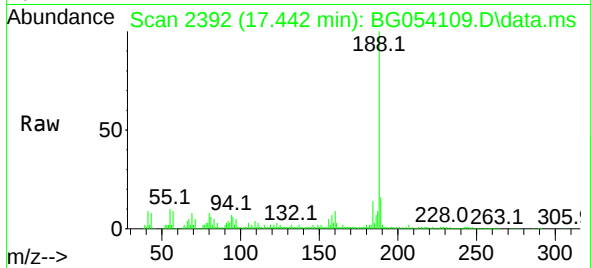




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

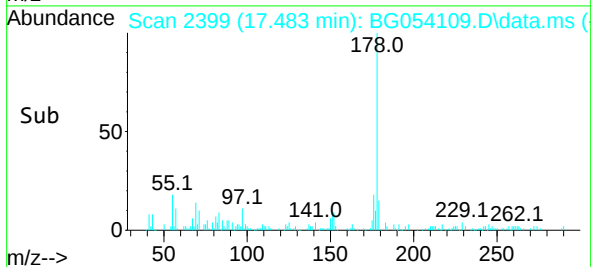
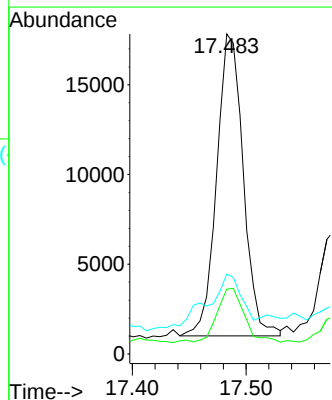
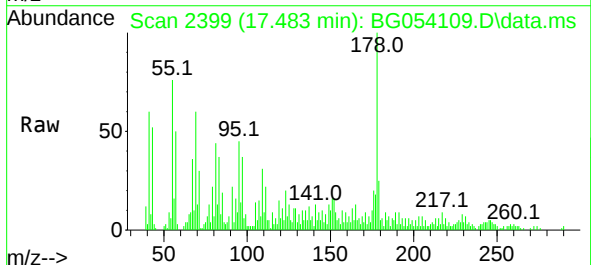
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

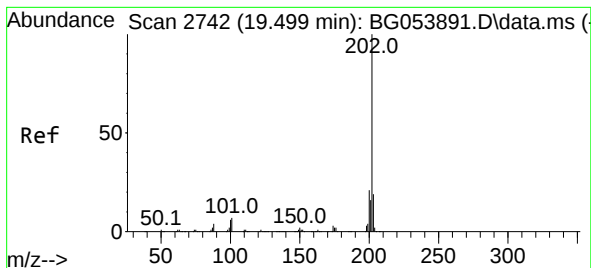
Tgt Ion:188 Resp: 204718
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 8.2 6.8 10.2



#71
Phenanthrene
Concen: 2.603 ng
RT: 17.483 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:178 Resp: 27383
Ion Ratio Lower Upper
178 100
176 20.3 14.1 21.1
179 25.0 12.1 18.1#





#75

Fluoranthene

Concen: 3.766 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

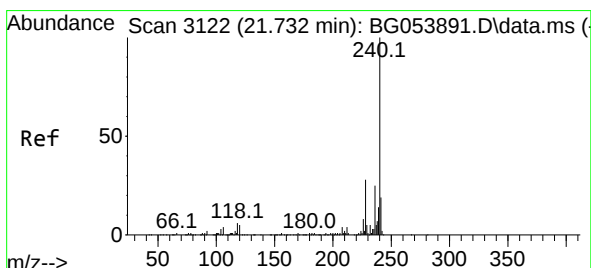
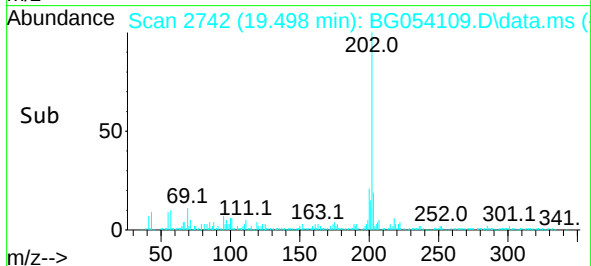
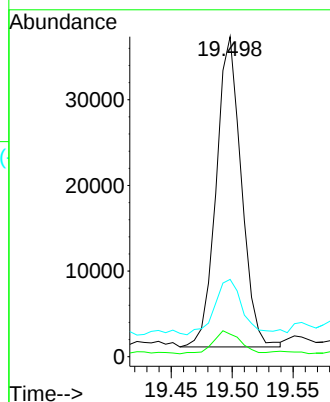
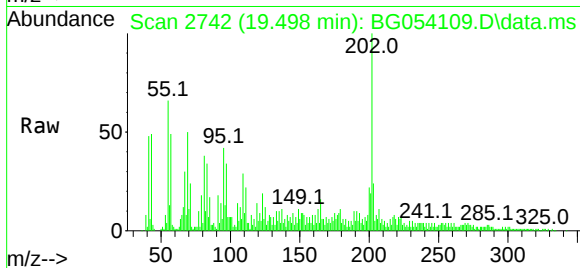
Tgt Ion:202 Resp: 51992

Ion Ratio Lower Upper

202 100

101 7.0 0.0 26.9

203 24.2 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.725 min Scan# 3121

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

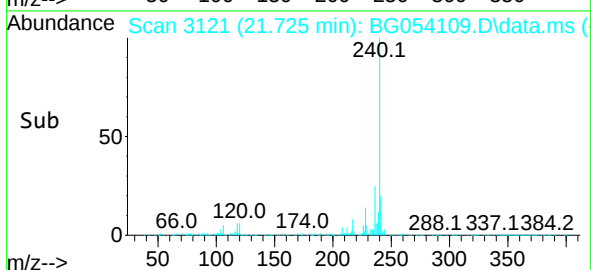
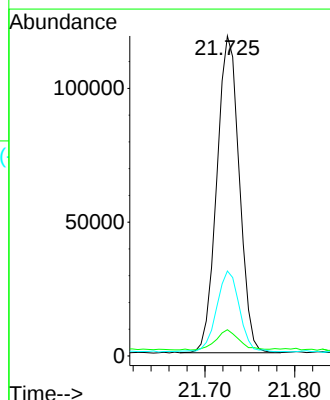
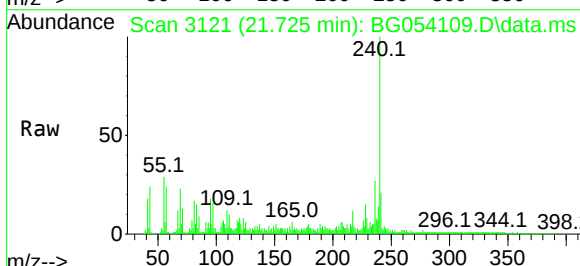
Tgt Ion:240 Resp: 205589

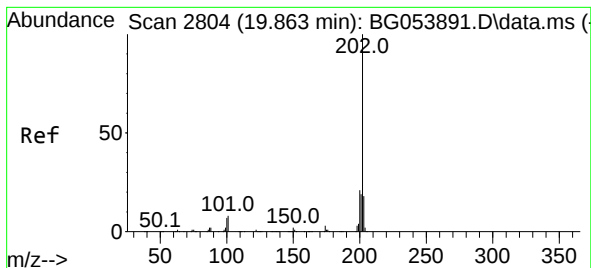
Ion Ratio Lower Upper

240 100

120 8.2 4.6 7.0#

236 26.5 20.2 30.4





#78

Pyrene

Concen: 6.430 ng

RT: 19.857 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

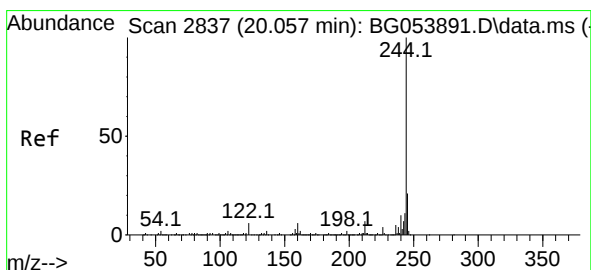
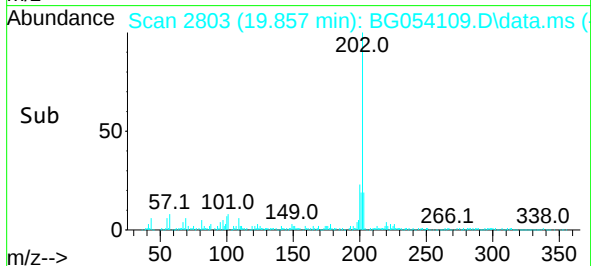
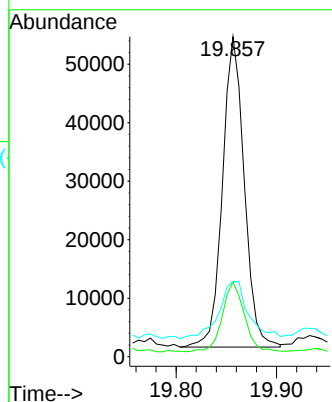
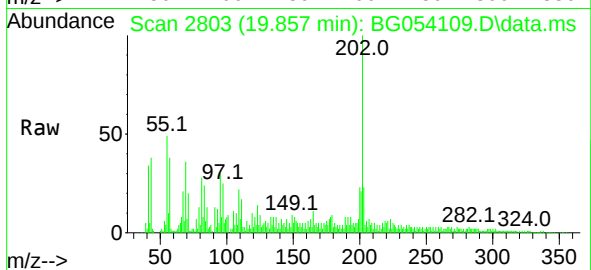
Tgt Ion:202 Resp: 79843

Ion Ratio Lower Upper

202 100

200 23.4 16.6 24.8

203 23.4 14.6 21.8#



#79

Terphenyl-d14

Concen: 31.601 ng

RT: 20.051 min Scan# 2836

Delta R.T. 0.006 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

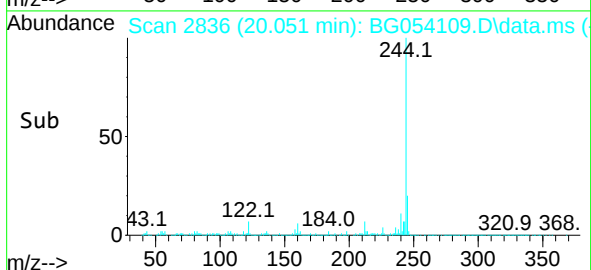
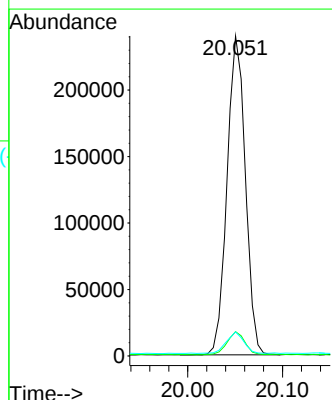
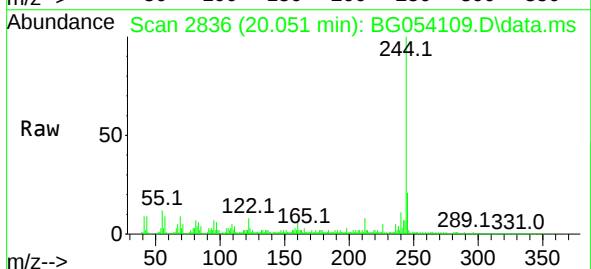
Tgt Ion:244 Resp: 322574

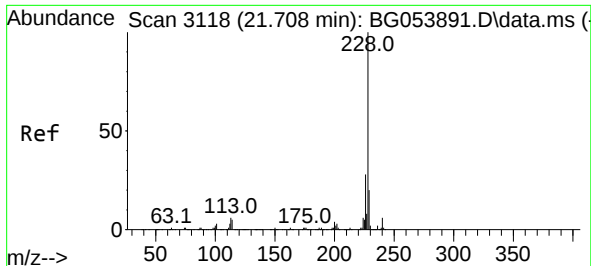
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 7.5 5.0 7.4#

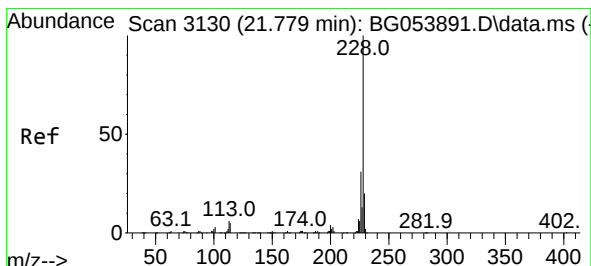
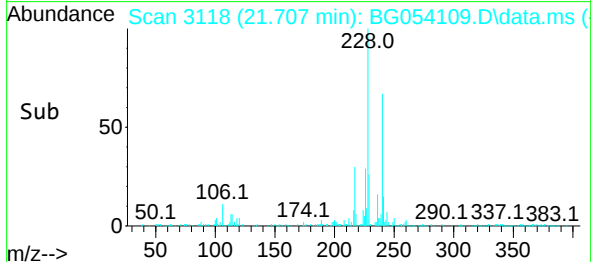
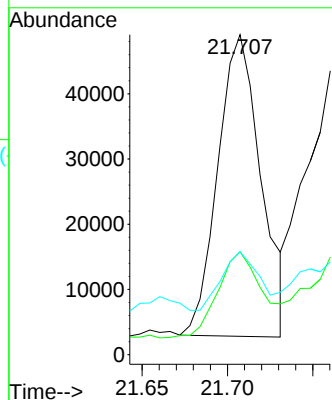
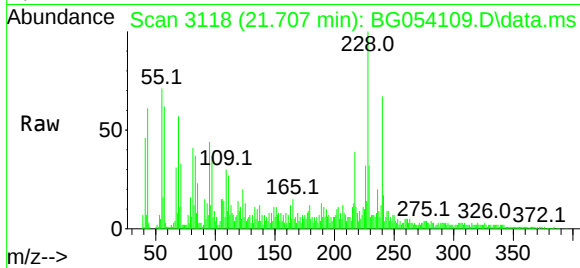




#81
Benzo(a)anthracene
Concen: 6.120 ng
RT: 21.707 min Scan# 3118
Delta R.T. 0.012 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

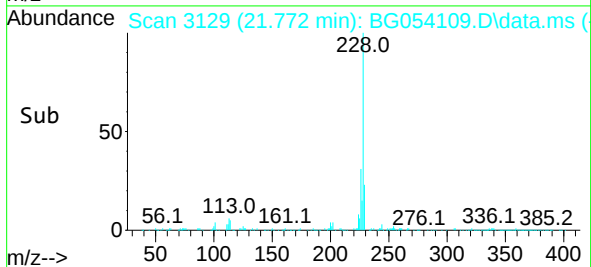
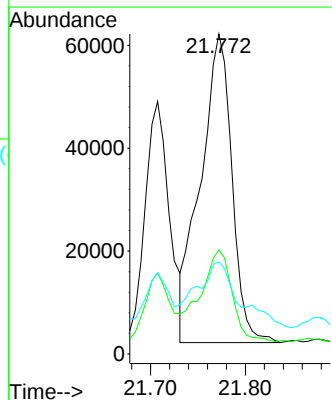
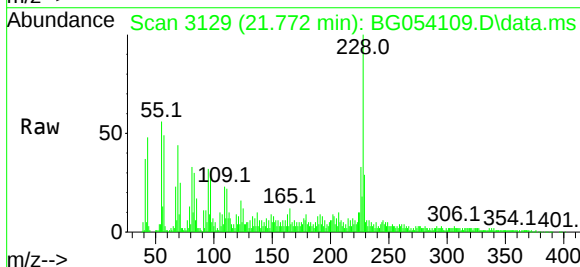
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-2

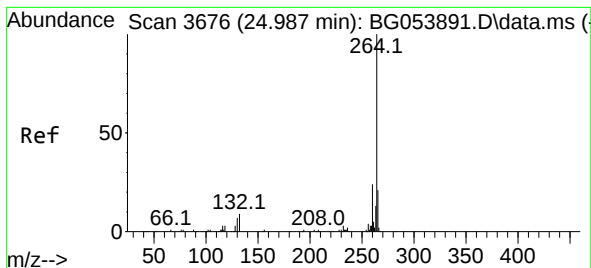
Tgt Ion:228 Resp: 81460
Ion Ratio Lower Upper
228 100
226 32.2 21.6 32.4
229 32.2 16.2 24.2#



#83
Chrysene
Concen: 10.909 ng
RT: 21.772 min Scan# 3129
Delta R.T. 0.012 min
Lab File: BG054109.D
Acq: 28 Jun 2022 2:20

Tgt Ion:228 Resp: 138422
Ion Ratio Lower Upper
228 100
226 32.5 23.4 35.2
229 28.7 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.009 min Scan# 3

Delta R.T. 0.047 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

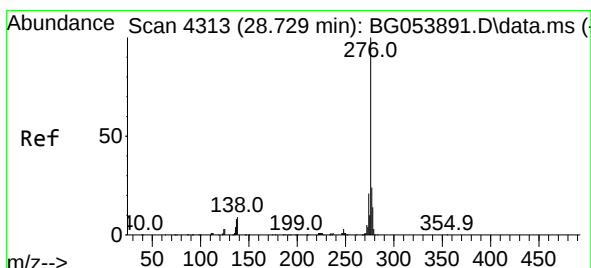
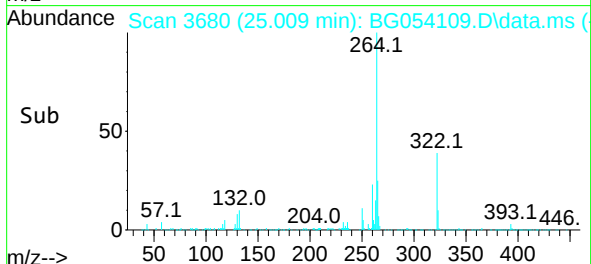
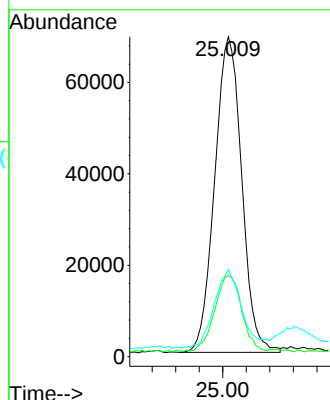
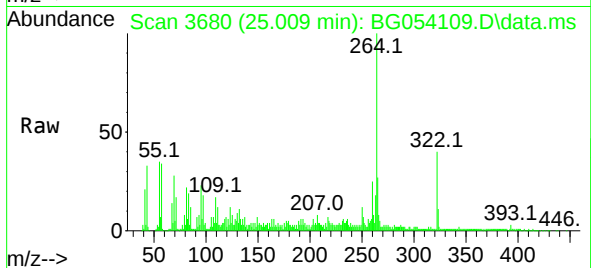
Tgt Ion:264 Resp: 219906

Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 27.3 17.4 26.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.104 ng

RT: 28.758 min Scan# 4318

Delta R.T. 0.071 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

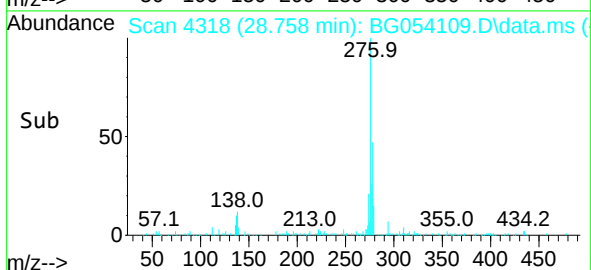
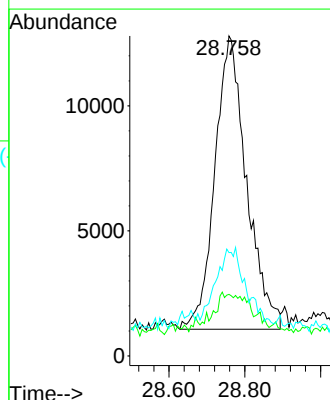
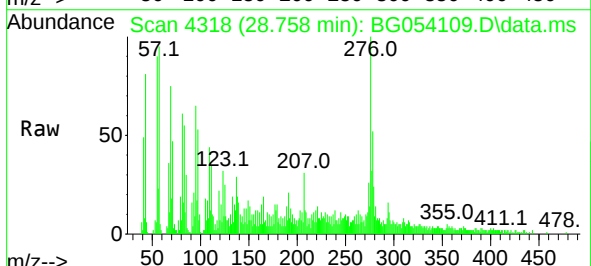
Tgt Ion:276 Resp: 68102

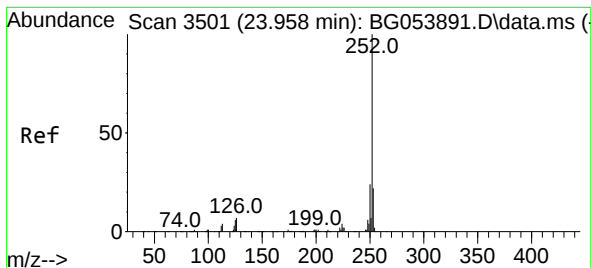
Ion Ratio Lower Upper

276 100

138 3.2 5.0 7.4#

277 0.0 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 10.380 ng

RT: 23.964 min Scan# 3502

Delta R.T. 0.029 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

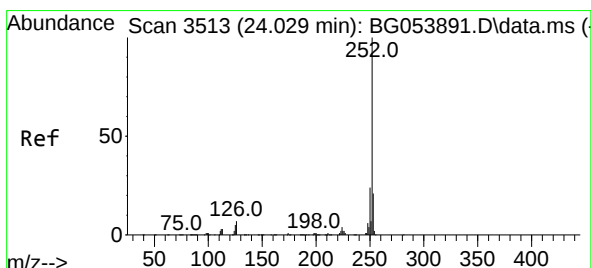
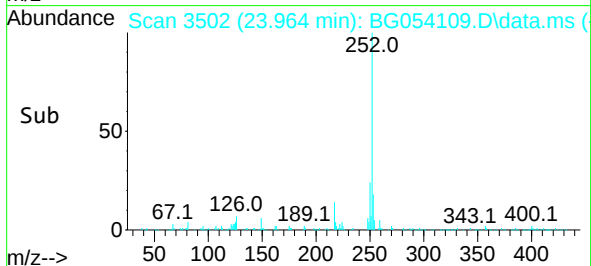
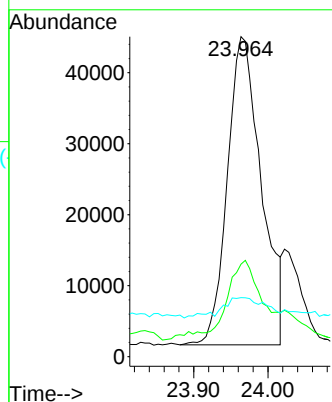
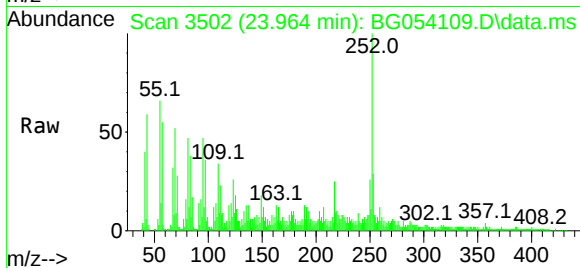
Tgt Ion:252 Resp: 138793

Ion Ratio Lower Upper

252 100

253 28.9 18.0 27.0#

125 18.5 4.6 6.8#



#89

Benzo(k)fluoranthene

Concen: 10.484 ng

RT: 23.964 min Scan# 3502

Delta R.T. -0.041 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

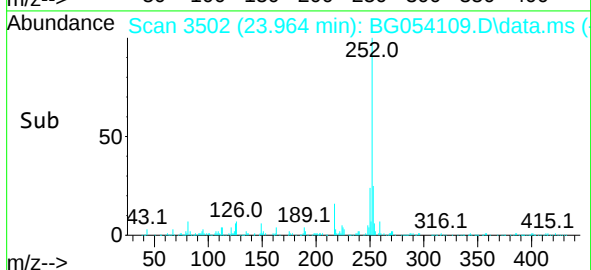
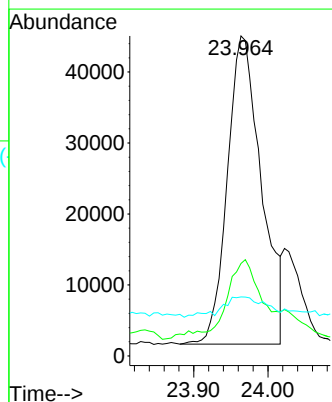
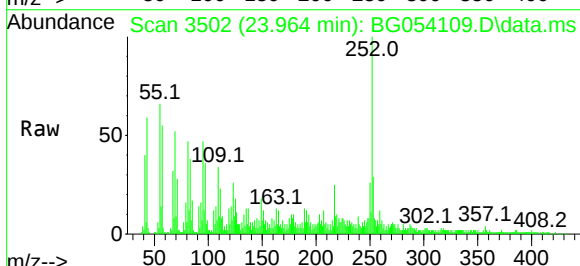
Tgt Ion:252 Resp: 138793

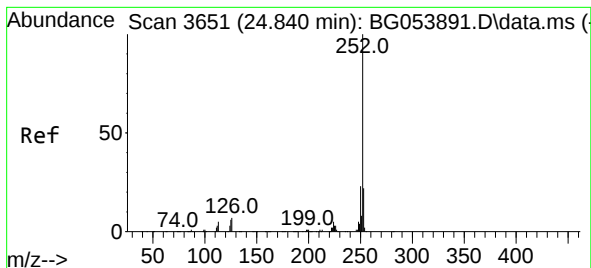
Ion Ratio Lower Upper

252 100

253 28.9 18.4 27.6#

125 18.5 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 10.382 ng

RT: 24.851 min Scan# 3

Delta R.T. 0.035 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-2

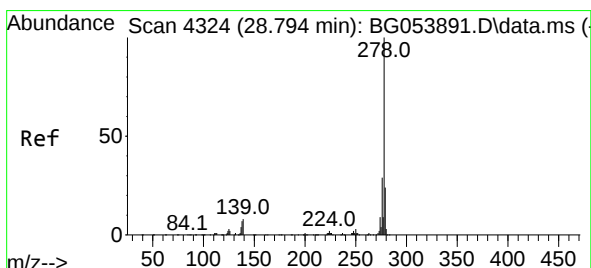
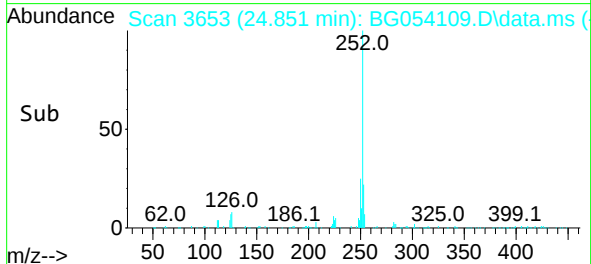
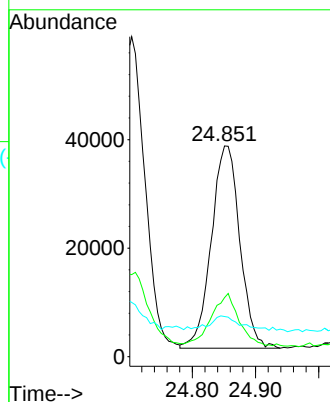
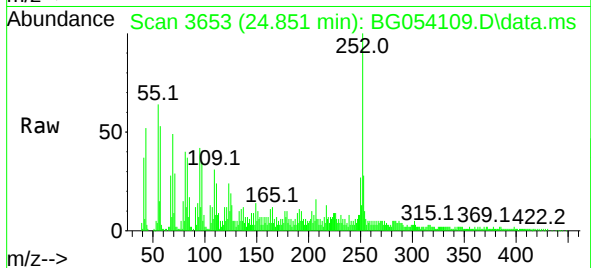
Tgt Ion:252 Resp: 117127

Ion Ratio Lower Upper

252 100

253 28.0 17.8 26.8#

125 19.1 4.3 6.5#



#91

Dibenzo(a,h)anthracene

Concen: 4.126 ng

RT: 28.805 min Scan# 4326

Delta R.T. 0.059 min

Lab File: BG054109.D

Acq: 28 Jun 2022 2:20

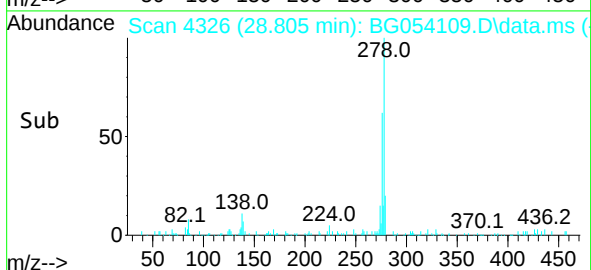
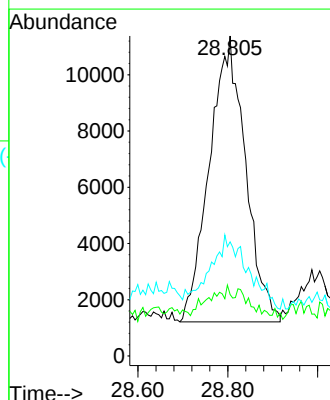
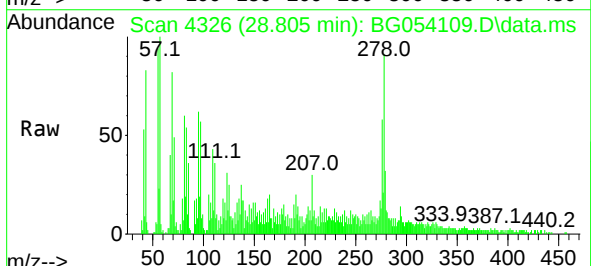
Tgt Ion:278 Resp: 56620

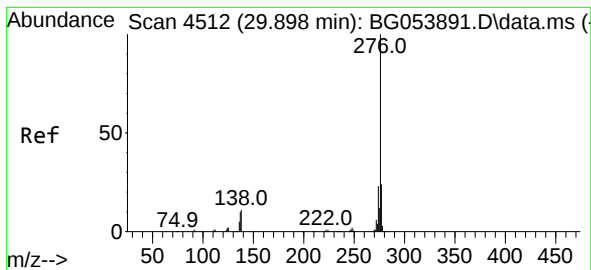
Ion Ratio Lower Upper

278 100

139 19.2 7.2 10.8#

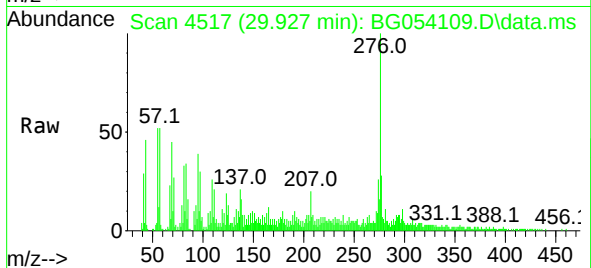
279 35.7 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.962 ng
 RT: 29.927 min Scan# 4517
 Delta R.T. 0.065 min
 Lab File: BG054109.D
 Acq: 28 Jun 2022 2:20

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-2



Tgt Ion:276 Resp: 94289
 Ion Ratio Lower Upper
 276 100
 277 27.8 17.3 25.9#
 138 16.5 9.6 14.4#

