

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054571.D
 Acq On : 9 Aug 2022 15:44
 Operator : CG/JU
 Sample : N4063-01DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5ADL

Quant Time: Aug 09 17:03:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

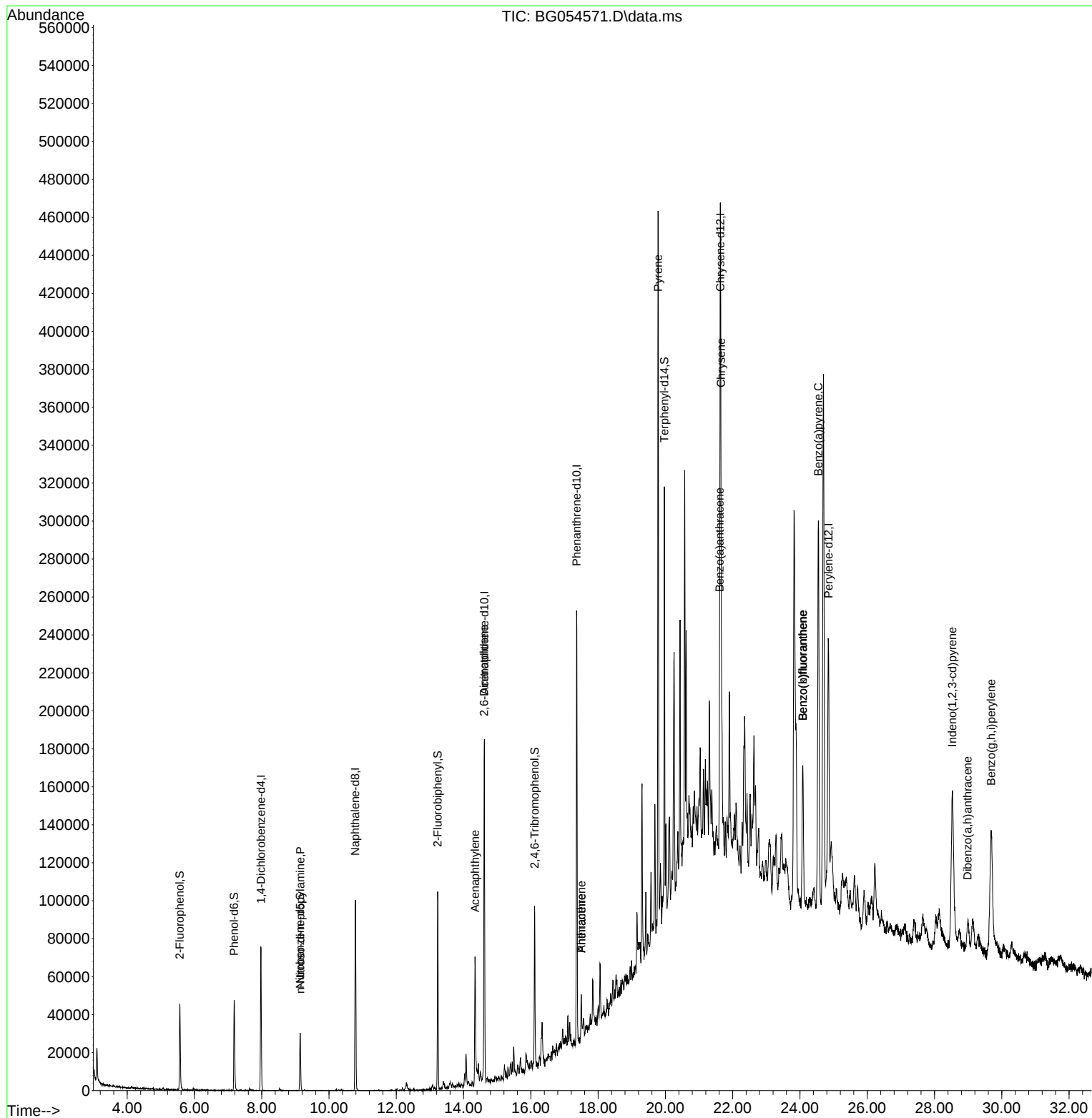
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	25116	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	94703	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	68703	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	161074	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	180033	20.000	ng	# 0.00
86) Perylene-d12	24.847	264	189900	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	23524	19.555	ng	0.00
7) Phenol-d6	7.179	99	29801	18.080	ng	0.00
23) Nitrobenzene-d5	9.142	82	20295	11.670	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	23251	16.118	ng	0.00
45) 2-Fluorobiphenyl	13.231	172	61530	12.634	ng	0.00
79) Terphenyl-d14	19.970	244	116835	12.874	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.148	70	2620	2.380	ng	# 84
49) Acenaphthylene	14.342	152	74138	12.684	ng	99
51) 2,6-Dinitrotoluene	14.612	165	9953	8.456	ng	# 19
71) Phenanthrene	17.503	178	20731	2.584	ng	95
72) Anthracene	17.503	178	20731	2.634	ng	98
78) Pyrene	19.782	202	263543	25.512	ng	98
81) Benzo(a)anthracene	21.609	228	62446	5.464	ng	# 82
83) Chrysene	21.651	228	120609	11.170	ng	# 67
87) Indeno(1,2,3-cd)pyrene	28.531	276	173916	12.039	ng	# 99
88) Benzo(b)fluoranthene	24.083	252	100669	8.964	ng	99
89) Benzo(k)fluoranthene	24.083	252	100669	9.007	ng	99
90) Benzo(a)pyrene	24.547	252	255986	26.690	ng	100
91) Dibenzo(a,h)anthracene	28.983	278	38991	3.282	ng	96
92) Benzo(g,h,i)perylene	29.682	276	187091	15.957	ng	# 93

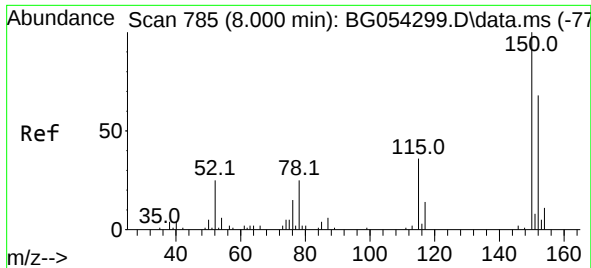
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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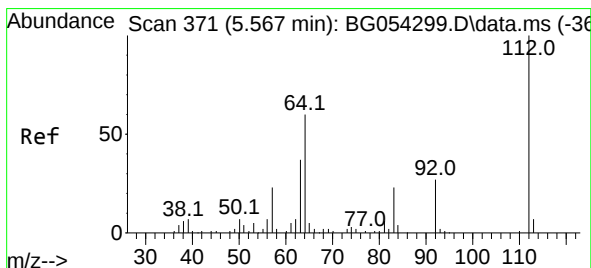
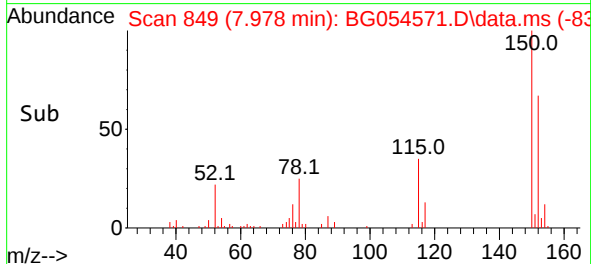
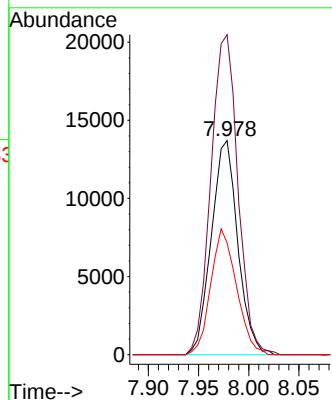
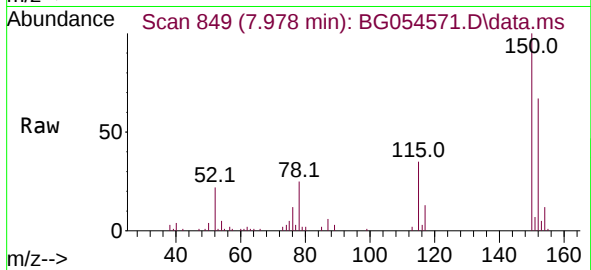




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 84
Delta R.T. 0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

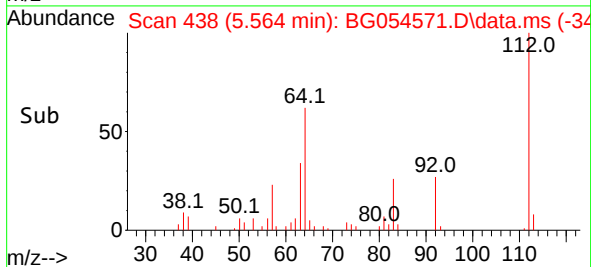
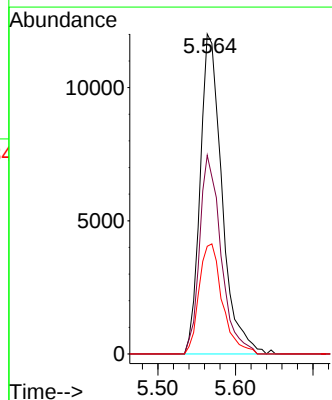
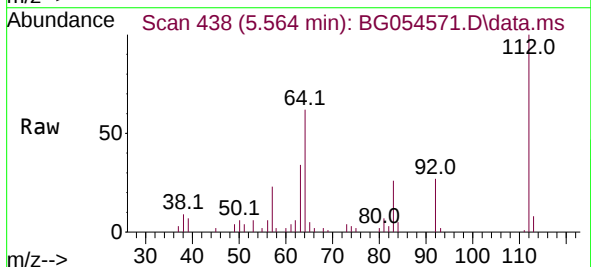
Instrument :
BNA_G
ClientSampleId :
P-5ADL

Tgt Ion:152 Resp: 25116
Ion Ratio Lower Upper
152 100
150 149.5 131.6 197.4
115 52.2 50.9 76.3



#5
2-Fluorophenol
Concen: 19.555 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:112 Resp: 23524
Ion Ratio Lower Upper
112 100
64 62.1 55.1 82.7
63 33.7 30.4 45.6

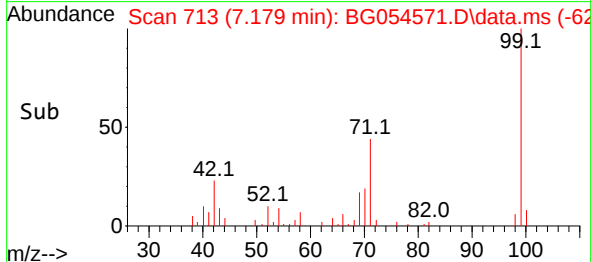
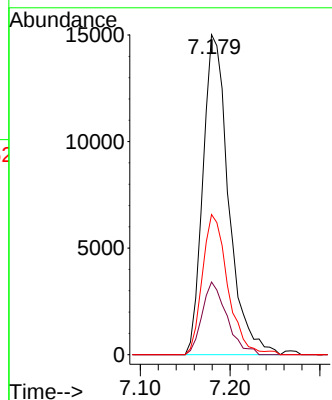
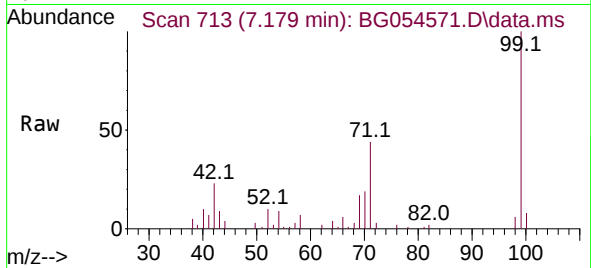




#7
Phenol-d6
Concen: 18.080 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

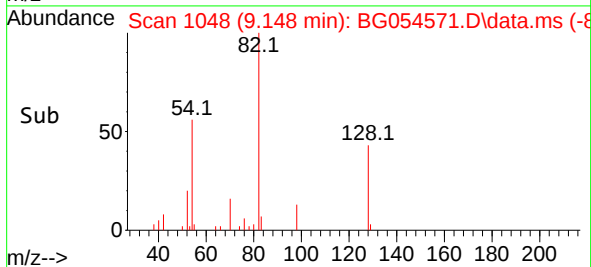
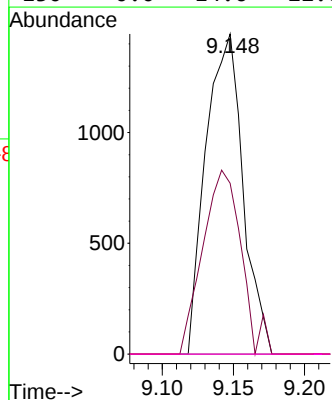
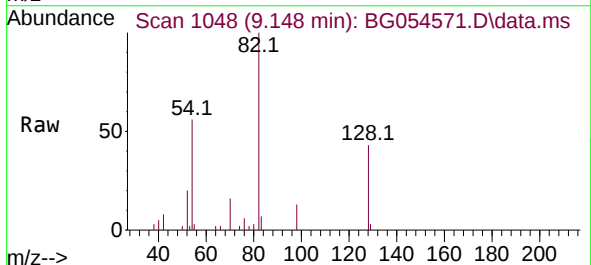
Instrument :
BNA_G
ClientSampleId :
P-5ADL

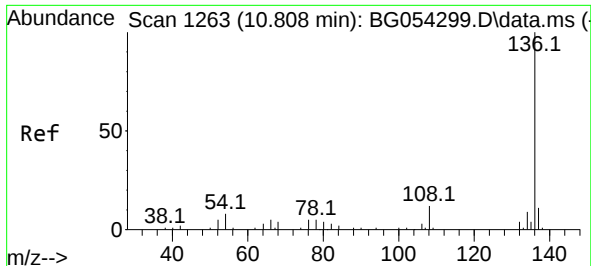
Tgt Ion: 99 Resp: 29801
Ion Ratio Lower Upper
99 100
42 22.7 17.0 25.6
71 43.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.380 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.364 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion: 70 Resp: 2620
Ion Ratio Lower Upper
70 100
42 53.4 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

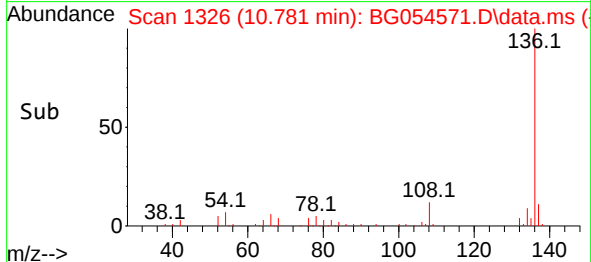
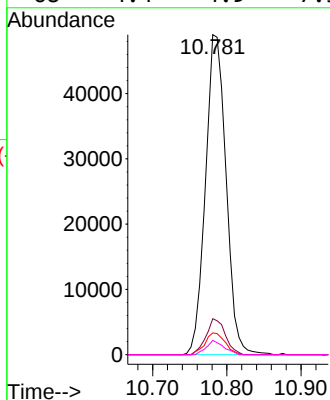
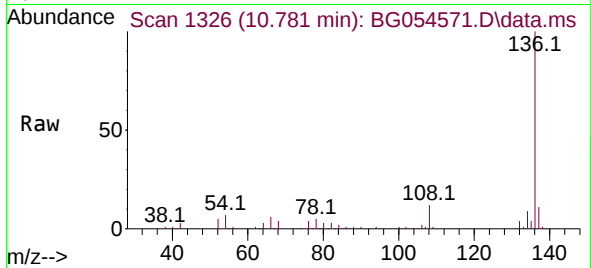




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

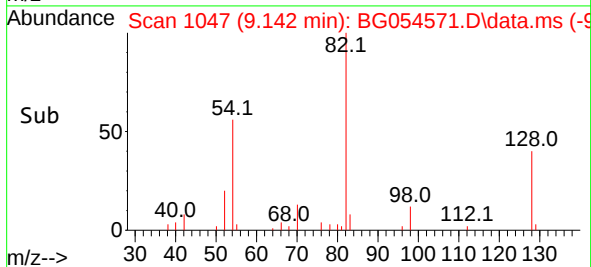
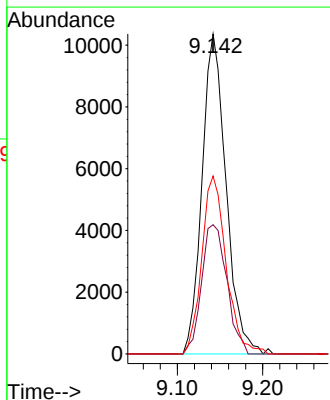
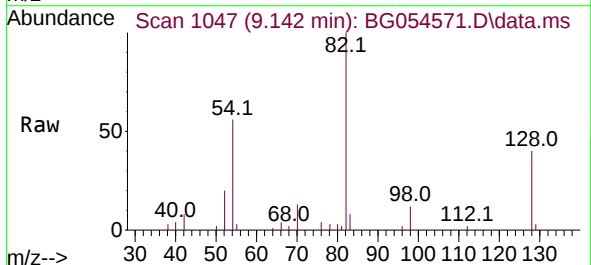
Instrument :
BNA_G
ClientSampleId :
P-5ADL

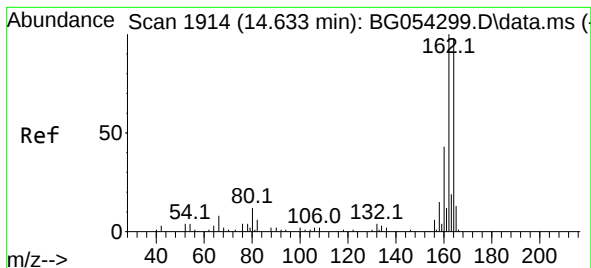
Tgt Ion:	136	Resp:	94703
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	6.8	7.4	11.2#
68	4.4	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 11.670 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:	82	Resp:	20295
Ion Ratio	Lower	Upper	
82	100		
128	40.4	27.9	41.9
54	55.6	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.618 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

Instrument :

BNA_G

ClientSampleId :

P-5ADL

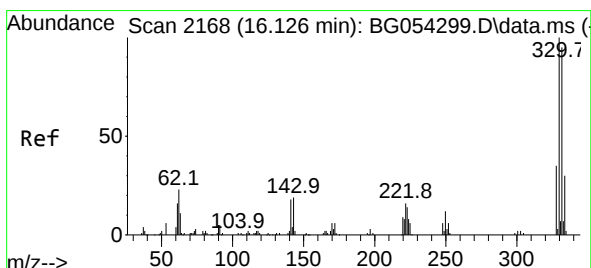
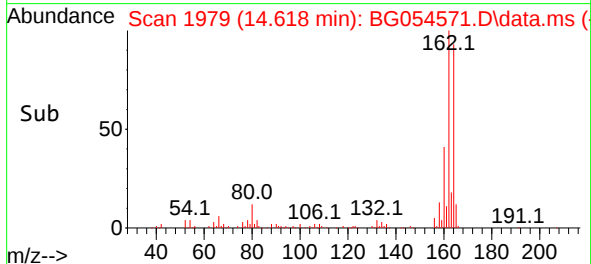
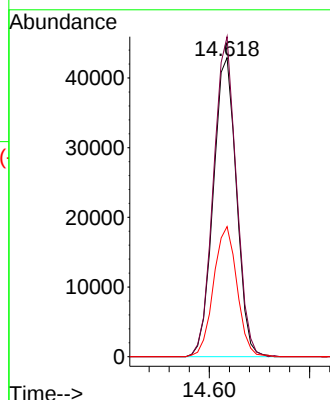
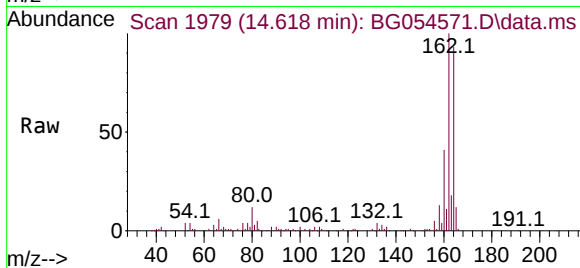
Tgt Ion:164 Resp: 68703

Ion Ratio Lower Upper

164 100

162 107.0 82.3 123.5

160 43.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 16.118 ng

RT: 16.116 min Scan# 2234

Delta R.T. 0.000 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

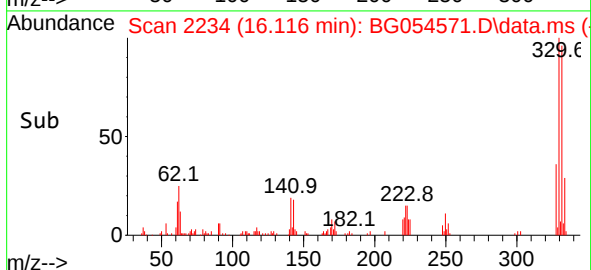
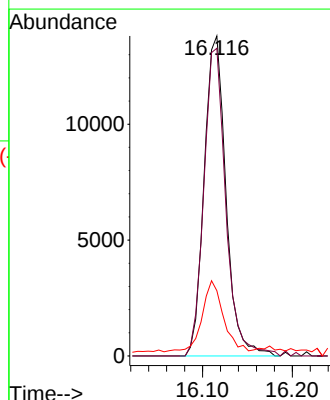
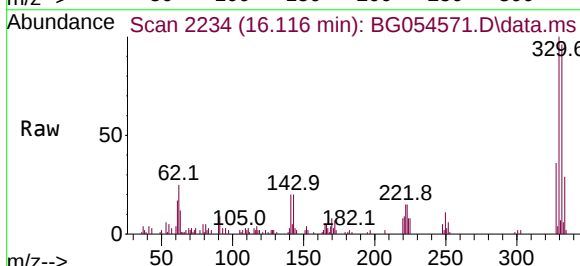
Tgt Ion:330 Resp: 23251

Ion Ratio Lower Upper

330 100

332 97.1 76.0 114.0

141 20.7 27.1 40.7#

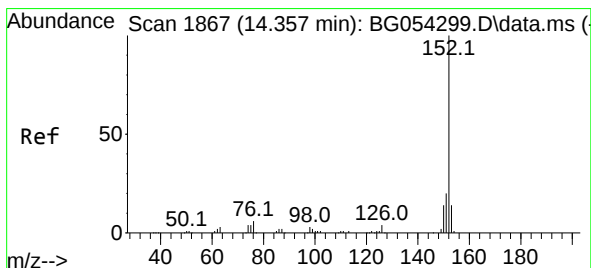
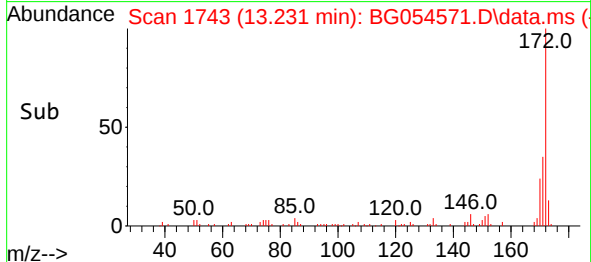
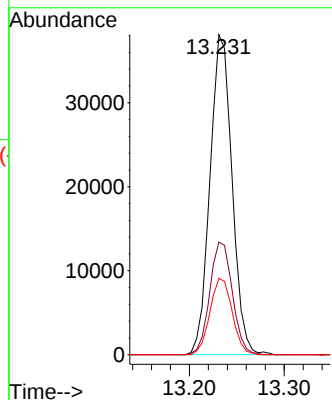
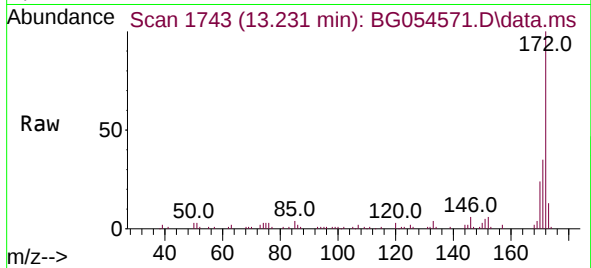




#45
2-Fluorobiphenyl
Concen: 12.634 ng
RT: 13.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

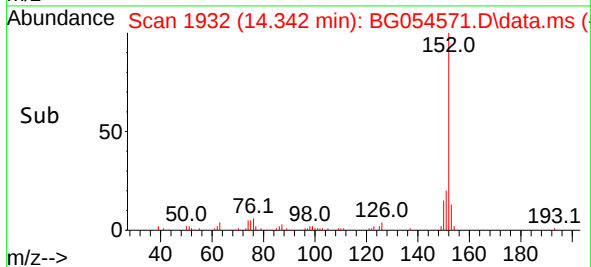
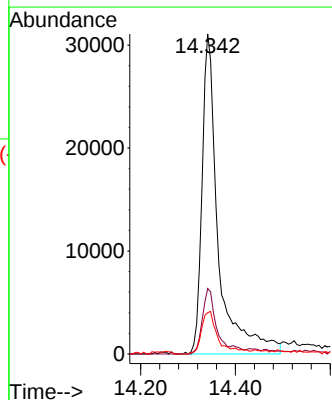
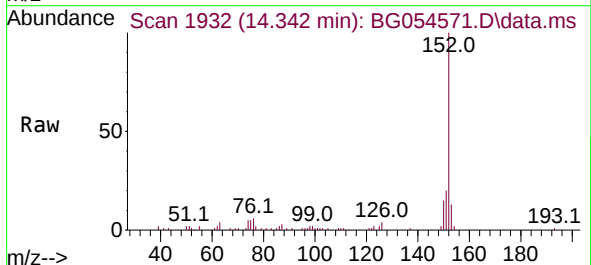
Instrument :
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P-5ADL

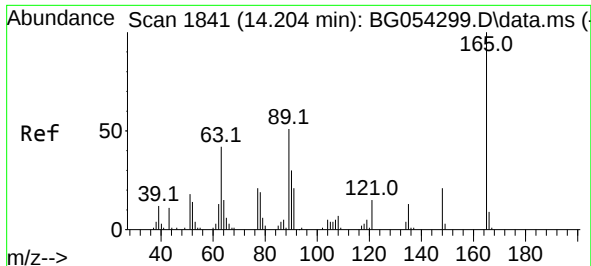
Tgt Ion:172 Resp: 61530
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.8 18.9 28.3



#49
Acenaphthylene
Concen: 12.684 ng
RT: 14.342 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:152 Resp: 74138
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 12.9 10.8 16.2

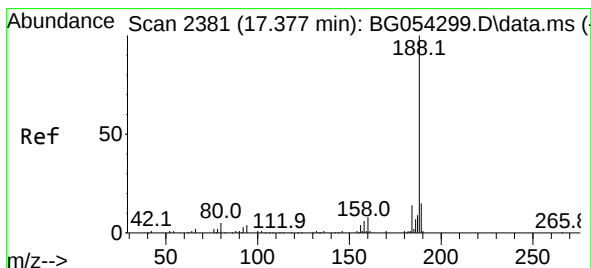
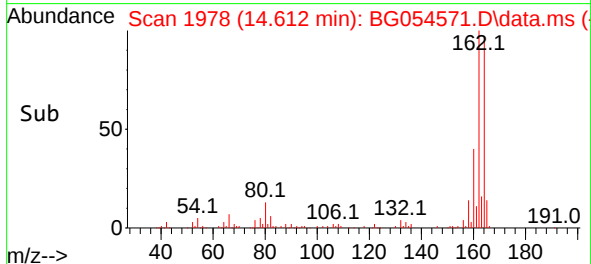
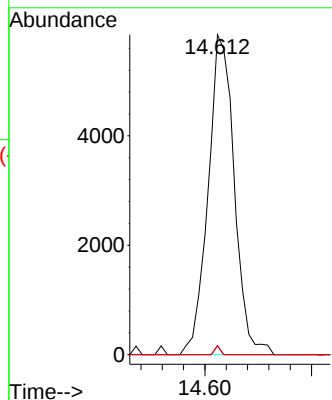
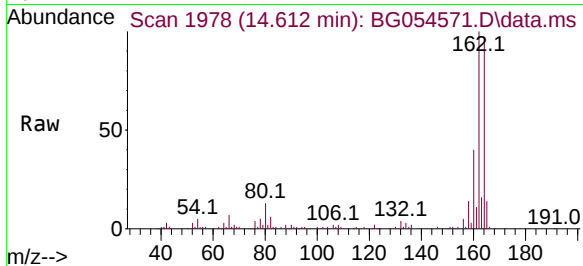




#51
2,6-Dinitrotoluene
Concen: 8.456 ng
RT: 14.612 min Scan# 14
Delta R.T. 0.417 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

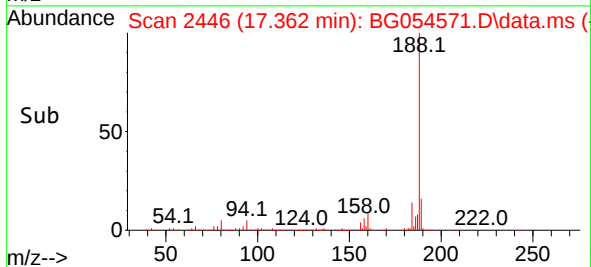
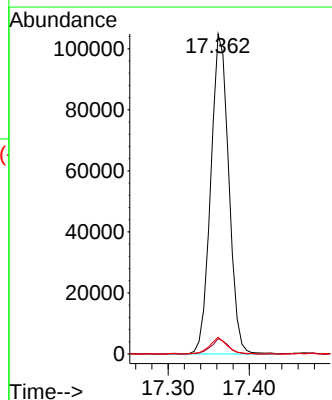
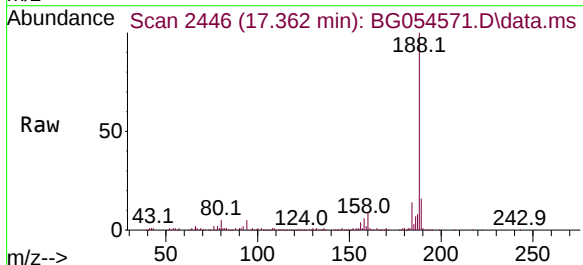
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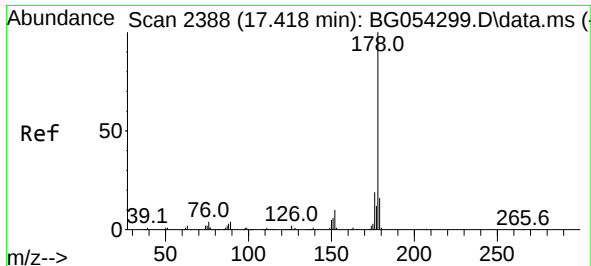
Tgt Ion:165 Resp: 9953
Ion Ratio Lower Upper
165 100
63 2.9 54.1 81.1#
89 2.7 54.8 82.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:188 Resp: 161074
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 5.2 6.8 10.2#

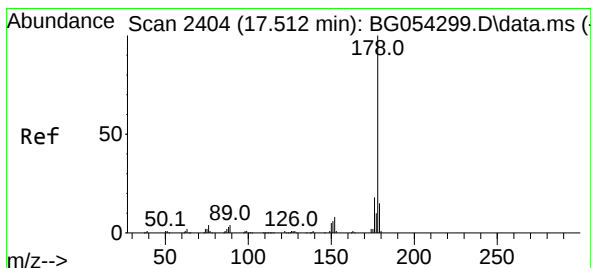
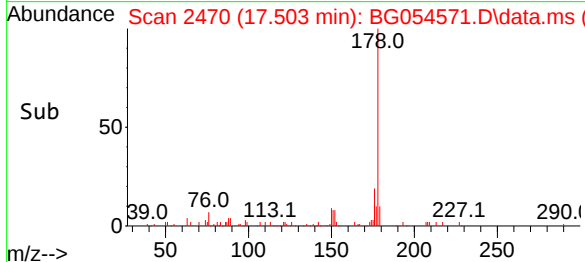
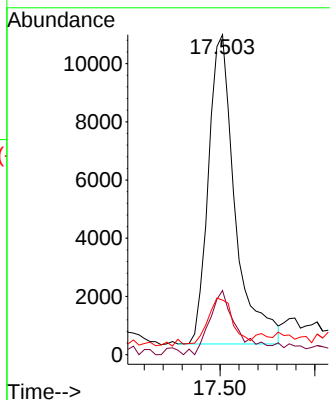
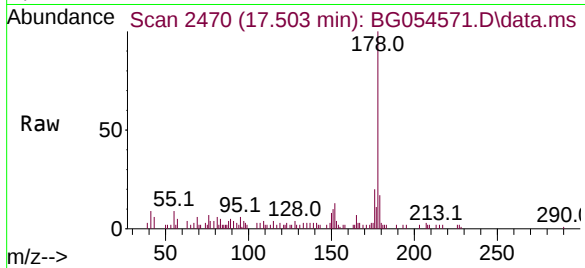




#71
Phenanthrene
Concen: 2.584 ng
RT: 17.503 min Scan# 2470
Delta R.T. 0.094 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

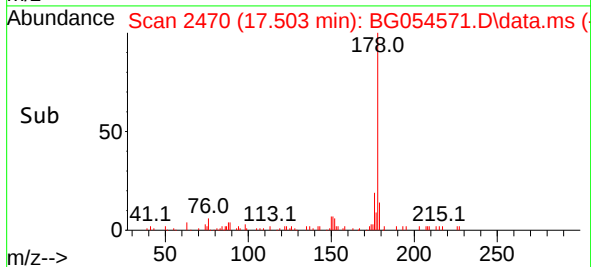
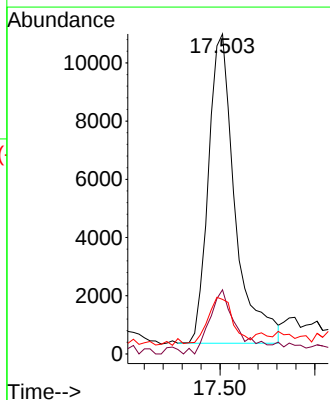
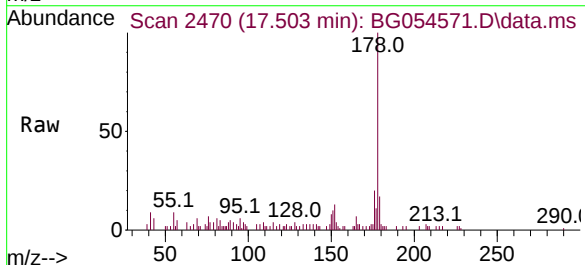
Instrument :
BNA_G
ClientSampleId :
P-5ADL

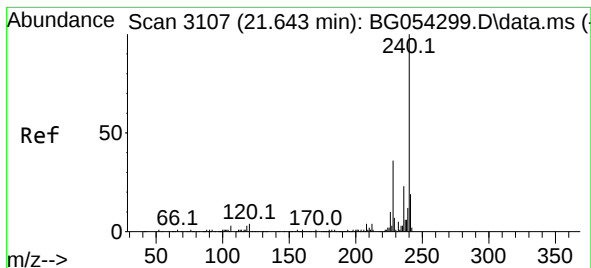
Tgt Ion:178 Resp: 20731
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 17.0 12.1 18.1



#72
Anthracene
Concen: 2.634 ng
RT: 17.503 min Scan# 2470
Delta R.T. 0.006 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:178 Resp: 20731
Ion Ratio Lower Upper
178 100
176 20.1 15.2 22.8
179 17.0 13.0 19.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.633 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

Instrument :

BNA_G

ClientSampleId :

P-5ADL

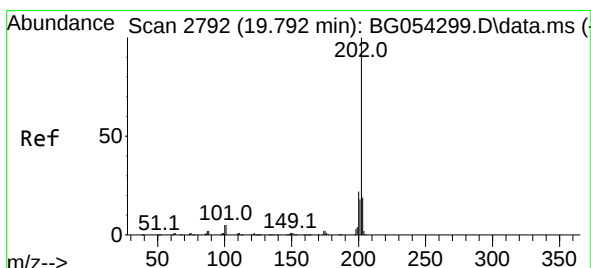
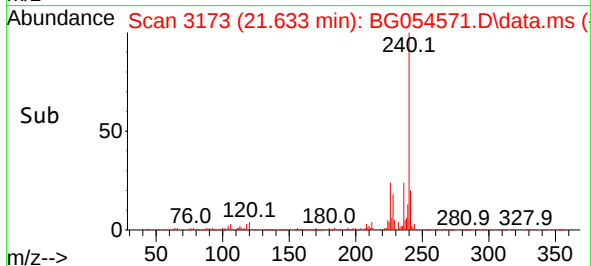
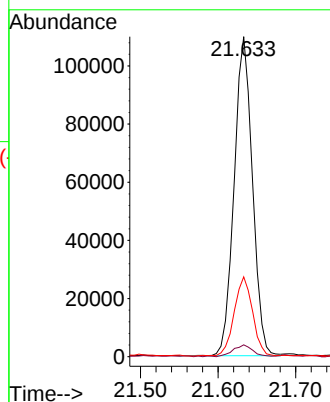
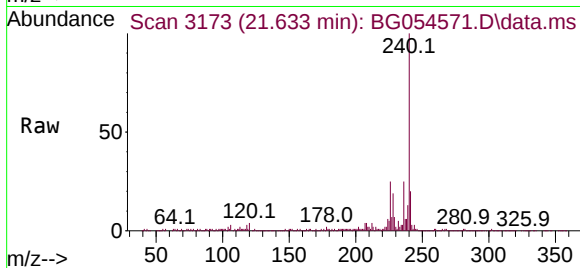
Tgt Ion:240 Resp: 180033

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 24.9 20.2 30.4



#78

Pyrene

Concen: 25.512 ng

RT: 19.782 min Scan# 2858

Delta R.T. 0.000 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

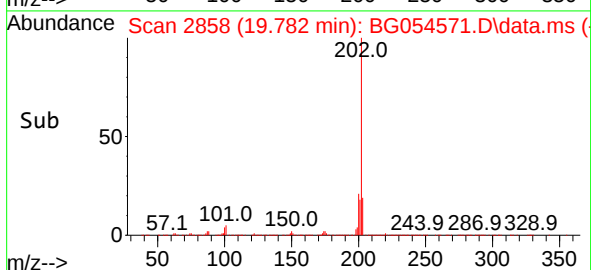
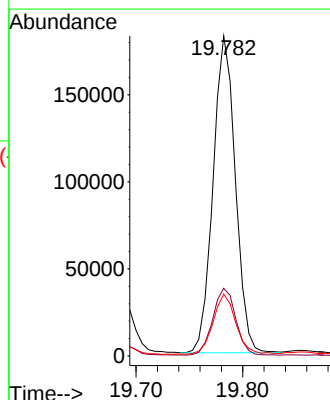
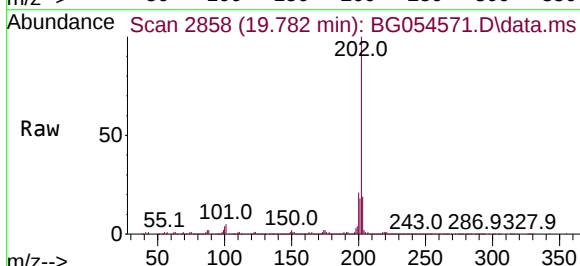
Tgt Ion:202 Resp: 263543

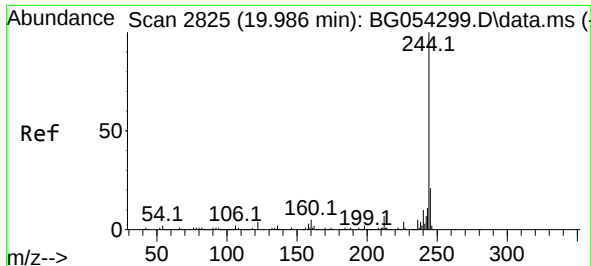
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 19.3 14.6 21.8

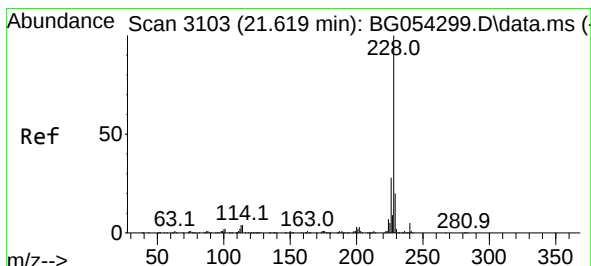
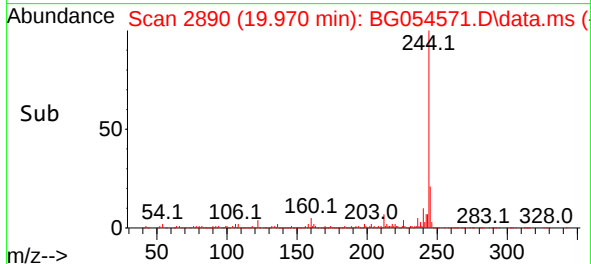
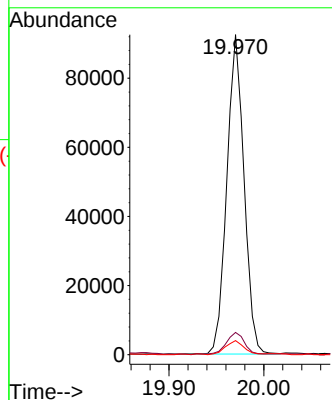
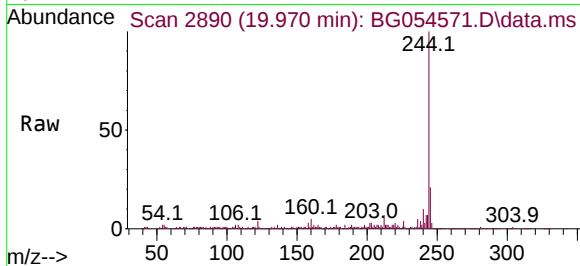




#79
 Terphenyl-d14
 Concen: 12.874 ng
 RT: 19.970 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44

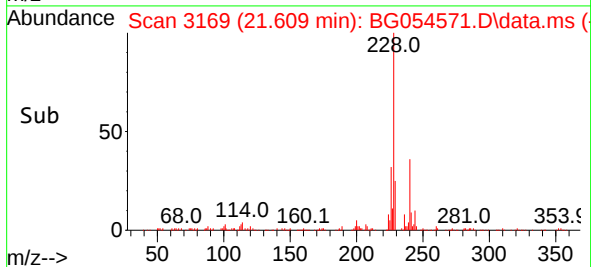
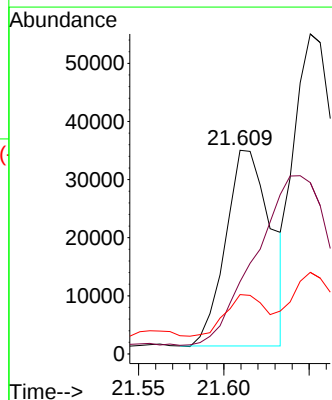
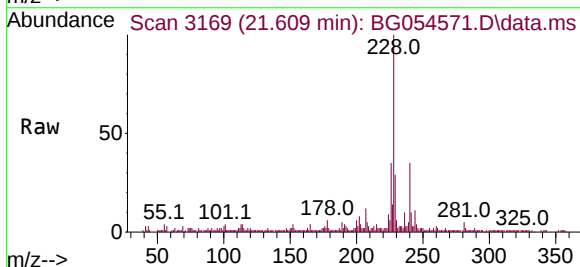
Instrument :
 BNA_G
 ClientSampleId :
 P-5ADL

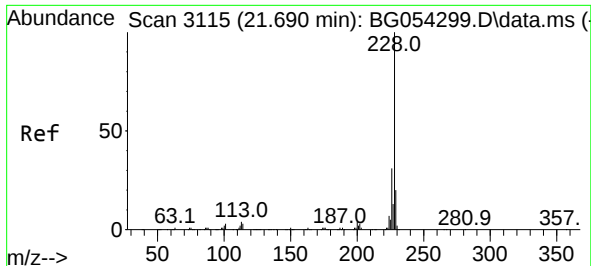
Tgt Ion:244 Resp: 116835
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 5.464 ng
 RT: 21.609 min Scan# 3169
 Delta R.T. -0.006 min
 Lab File: BG054571.D
 Acq: 9 Aug 2022 15:44

Tgt Ion:228 Resp: 62446
 Ion Ratio Lower Upper
 228 100
 226 35.5 21.6 32.4#
 229 29.1 16.2 24.2#

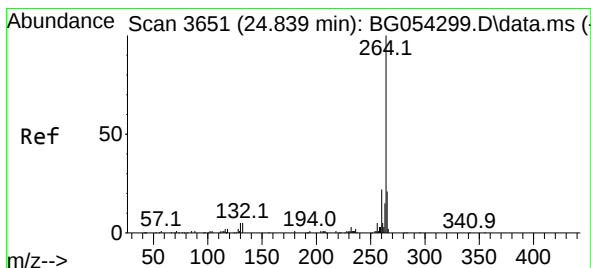
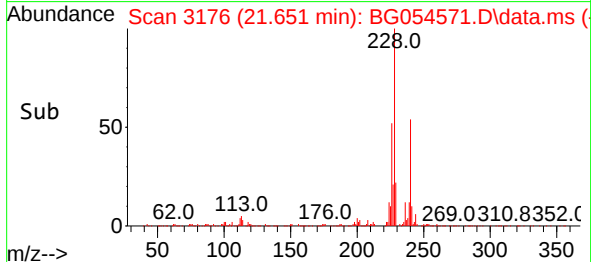
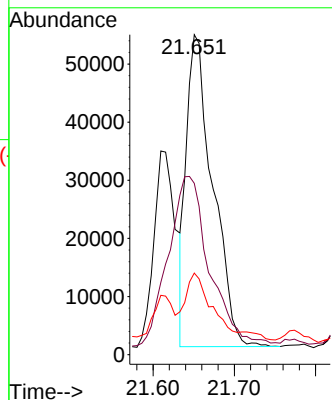
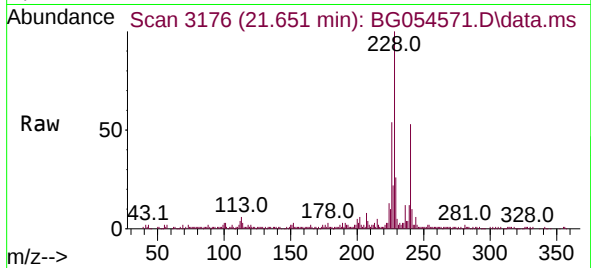




#83
Chrysene
Concen: 11.170 ng
RT: 21.651 min Scan# 3115
Delta R.T. -0.029 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

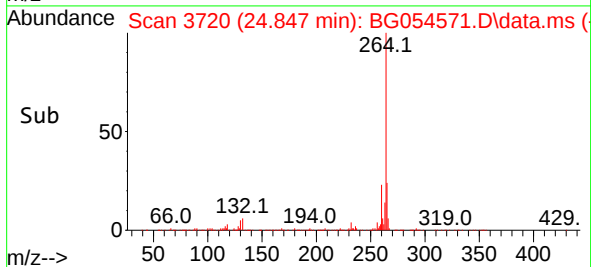
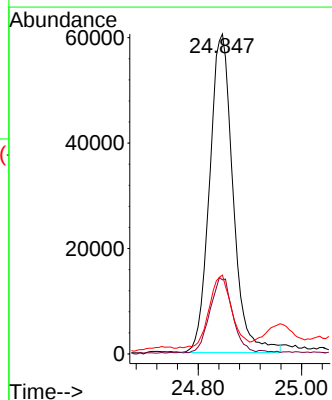
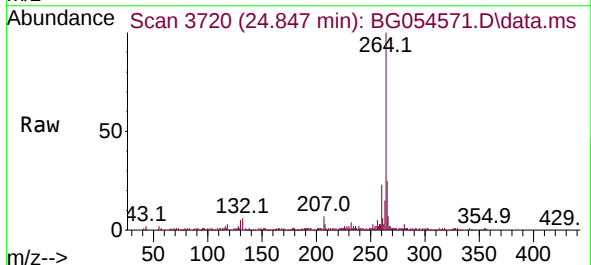
Instrument :
BNA_G
ClientSampleId :
P-5ADL

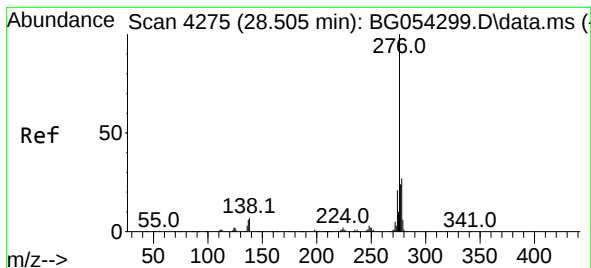
Tgt Ion:228 Resp: 120609
Ion Ratio Lower Upper
228 100
226 53.6 23.4 35.2#
229 25.5 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.847 min Scan# 3720
Delta R.T. 0.012 min
Lab File: BG054571.D
Acq: 9 Aug 2022 15:44

Tgt Ion:264 Resp: 189900
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 24.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.039 ng

RT: 28.531 min Scan# 41

Delta R.T. 0.000 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

Instrument :

BNA_G

ClientSampleId :

P-5ADL

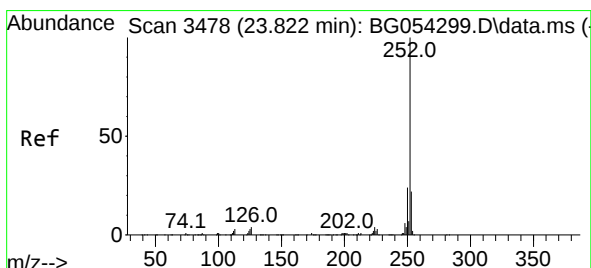
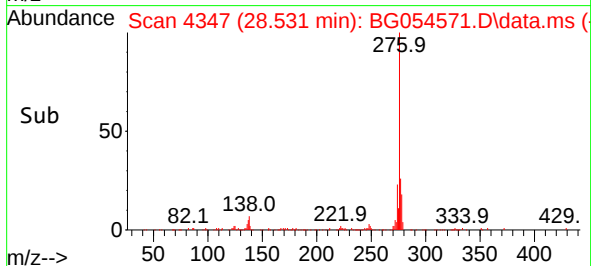
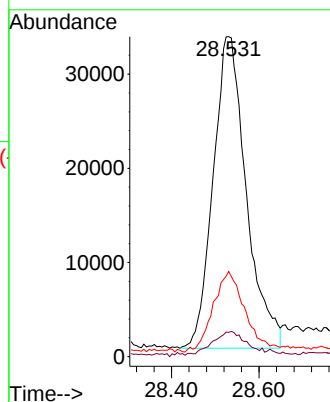
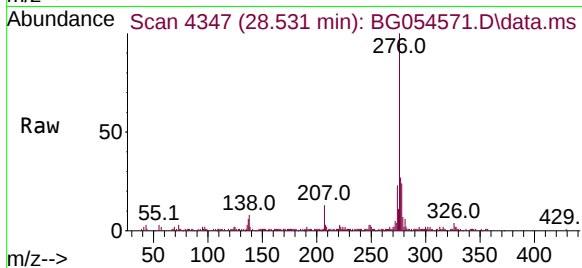
Tgt Ion:276 Resp: 173916

Ion Ratio Lower Upper

276 100

138 7.8 5.0 7.4#

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.964 ng

RT: 24.083 min Scan# 3590

Delta R.T. 0.265 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

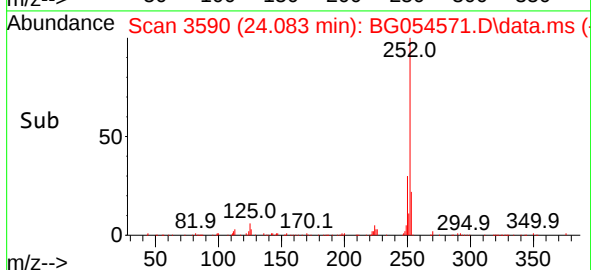
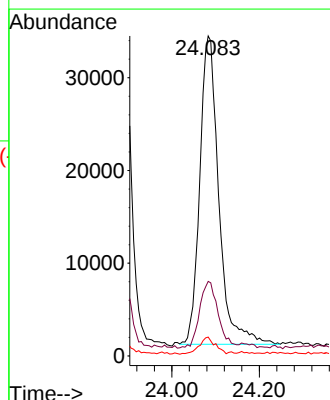
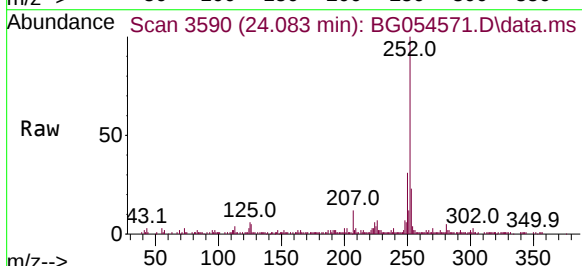
Tgt Ion:252 Resp: 100669

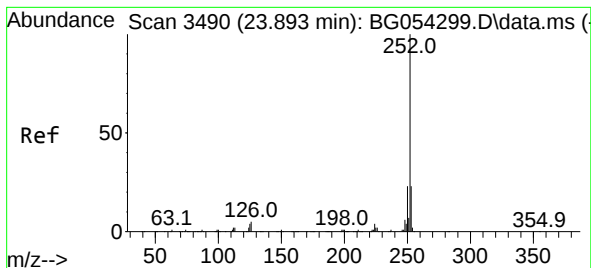
Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 5.9 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 9.007 ng

RT: 24.083 min Scan# 31

Delta R.T. 0.200 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

Instrument :

BNA_G

ClientSampleId :

P-5ADL

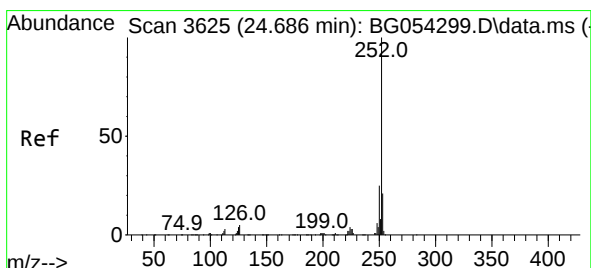
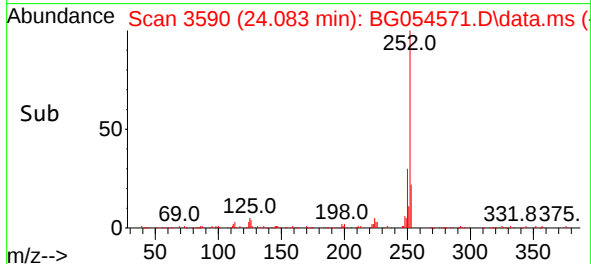
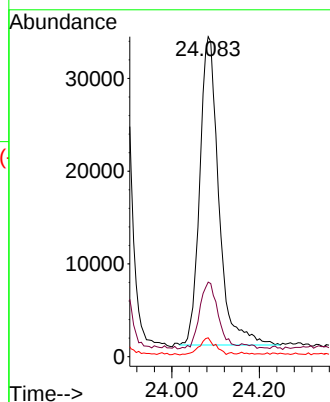
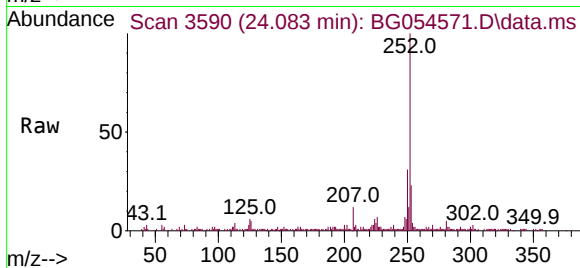
Tgt Ion:252 Resp: 100669

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 5.9 4.8 7.2



#90

Benzo(a)pyrene

Concen: 26.690 ng

RT: 24.547 min Scan# 3669

Delta R.T. -0.141 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

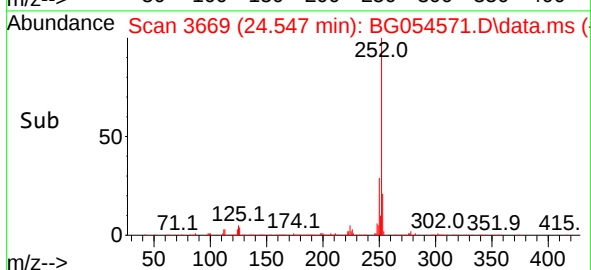
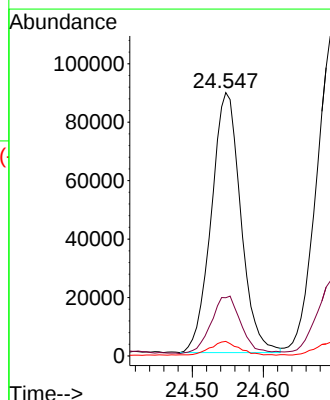
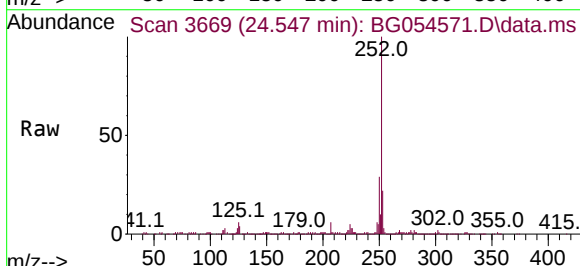
Tgt Ion:252 Resp: 255986

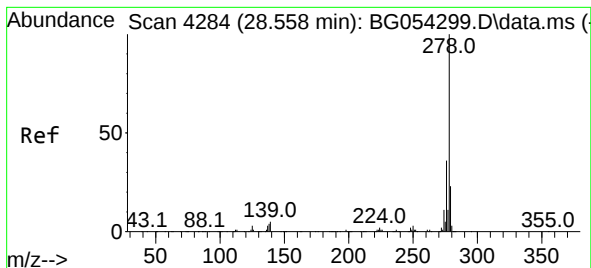
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 5.6 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 3.282 ng

RT: 28.983 min Scan# 4424

Delta R.T. 0.411 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

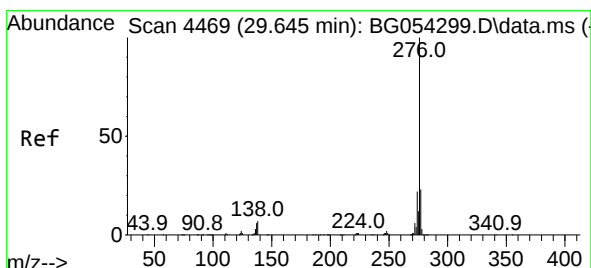
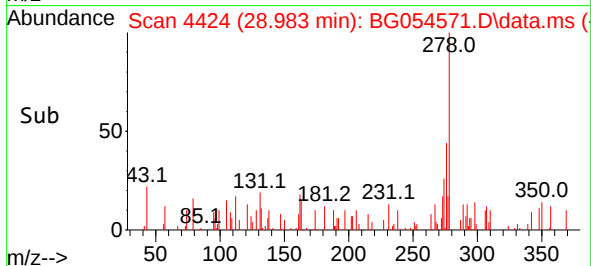
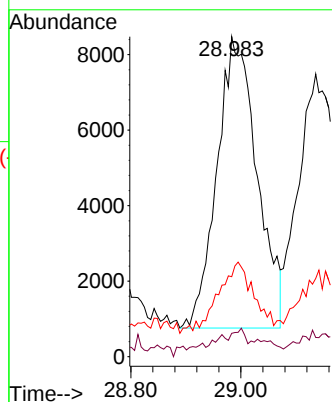
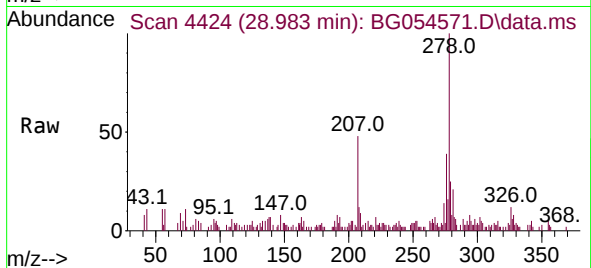
Instrument :

BNA_G

ClientSampleId :

P-5ADL

Tgt Ion:	278	Resp:	38991
Ion Ratio	Lower	Upper	
278	100		
139	7.3	7.2	10.8
279	25.0	18.6	27.8



#92

Benzo(g,h,i)perylene

Concen: 15.957 ng

RT: 29.682 min Scan# 4543

Delta R.T. 0.006 min

Lab File: BG054571.D

Acq: 9 Aug 2022 15:44

Tgt Ion:	276	Resp:	187091
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.3	25.9
138	8.3	9.6	14.4

