

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054553.D
 Acq On : 8 Aug 2022 14:45
 Operator : CG/JU
 Sample : N4063-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5E

Quant Time: Aug 08 15:54:21 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)

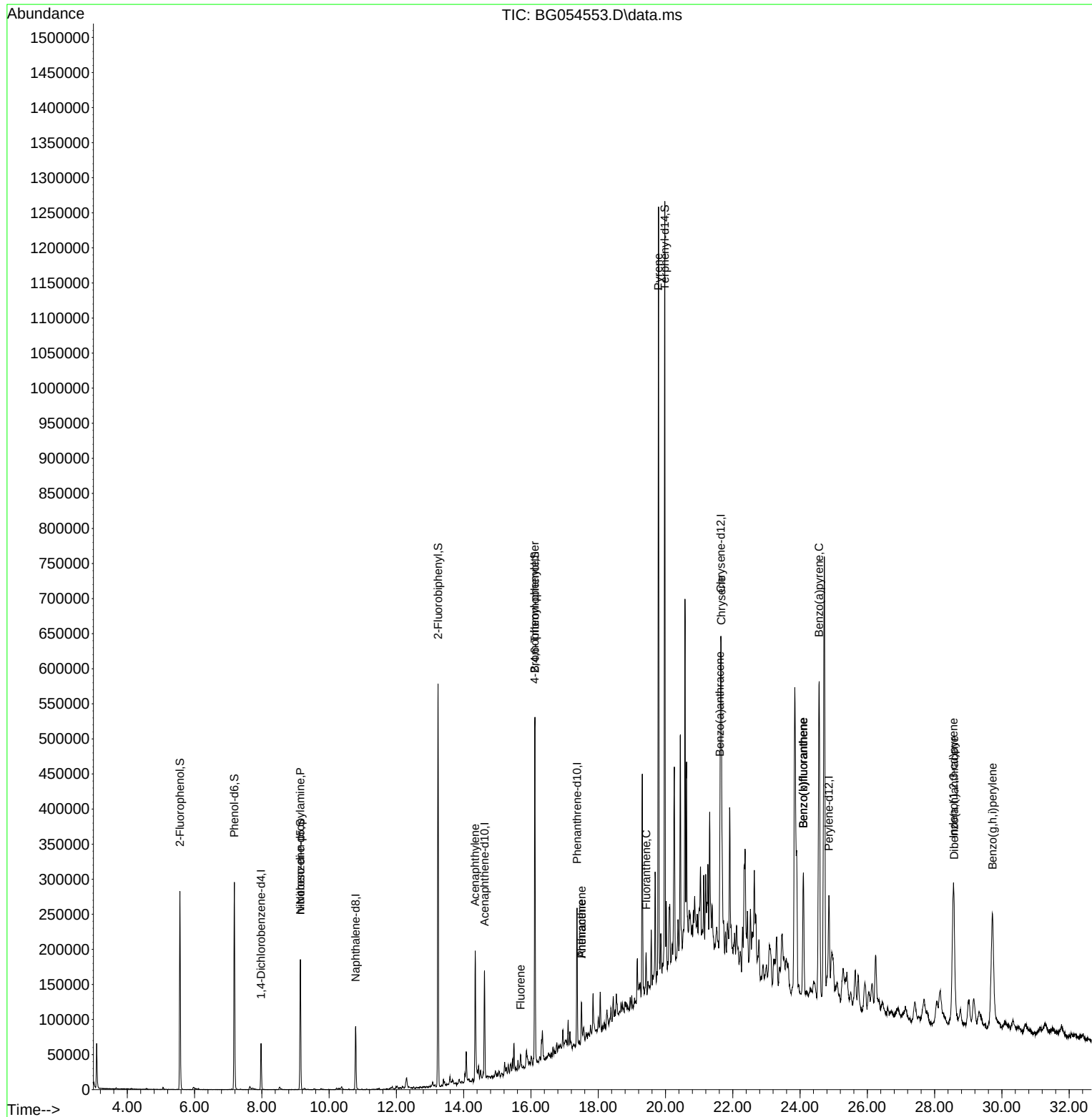
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	20598	20.000	ng	0.00
21) Naphthalene-d8	10.791	136	81793	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	59770	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	140553	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	160238	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	176668	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	125574	127.286	ng	0.00
7) Phenol-d6	7.183	99	169964	125.730	ng	0.00
23) Nitrobenzene-d5	9.145	82	115354	76.802	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	133086	106.049	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	333364	78.681	ng	0.00
79) Terphenyl-d14	19.980	244	622064	77.014	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.124	77	55	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	16487	18.264	ng	# 78
49) Acenaphthylene	14.345	152	178977	35.198	ng	99
58) Fluorene	15.691	166	11418	2.535	ng	# 42
67) 4-Bromophenyl-phenylether	16.114	248	7966	4.035	ng	# 1
71) Phenanthrene	17.506	178	55200	7.886	ng	98
72) Anthracene	17.506	178	55200	8.036	ng	99
75) Fluoranthene	19.427	202	40608	4.256	ng	91
78) Pyrene	19.792	202	752012	81.791	ng	96
81) Benzo(a)anthracene	21.619	228	114409	11.248	ng	# 80
83) Chrysene	21.660	228	269229	28.016	ng	# 70
87) Indeno(1,2,3-cd)pyrene	28.564	276	418620	31.147	ng	# 97
88) Benzo(b)fluoranthene	24.098	252	232687	22.271	ng	100
89) Benzo(k)fluoranthene	24.098	252	232687	22.378	ng	99
90) Benzo(a)pyrene	24.568	252	586618	65.745	ng	99
91) Dibenzo(a,h)anthracene	28.581	278	109219	9.883	ng	97
92) Benzo(g,h,i)perylene	29.721	276	465464	42.674	ng	# 93

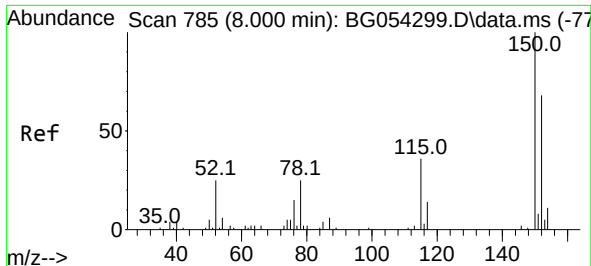
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054553.D
Acq On : 8 Aug 2022 14:45
Operator : CG/JU
Sample : N4063-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-5E

Quant Time: Aug 08 15:54:21 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

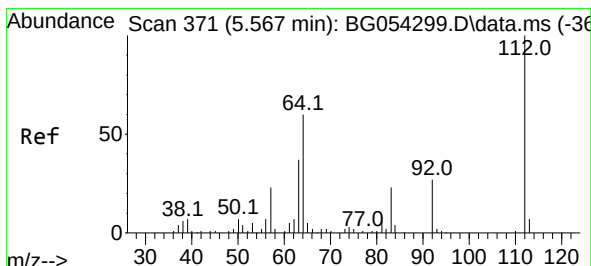
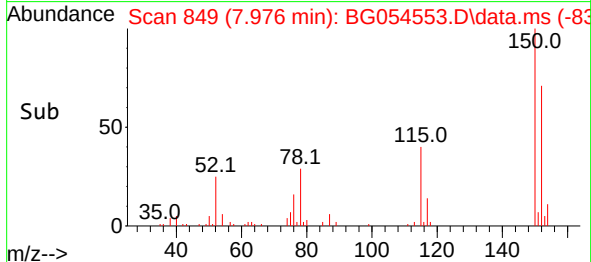
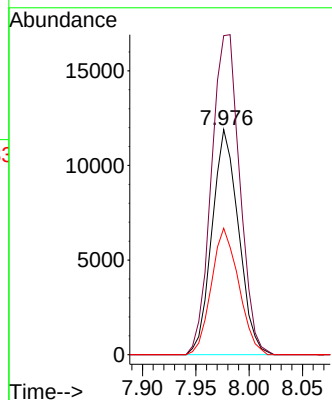
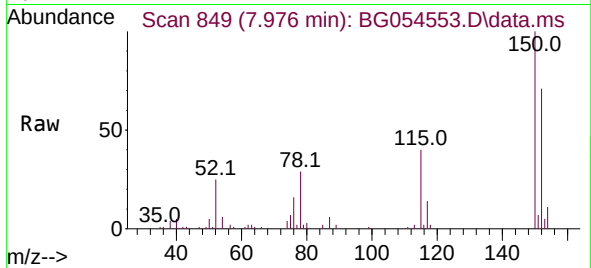




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

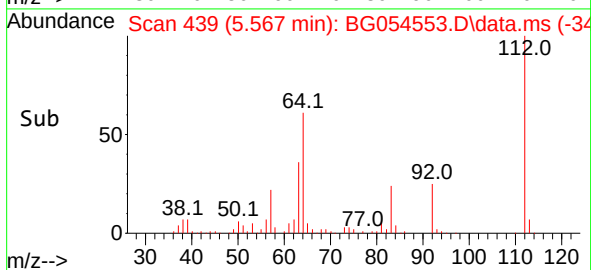
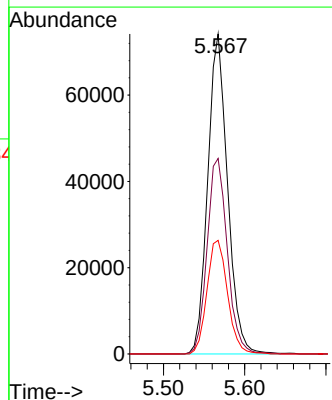
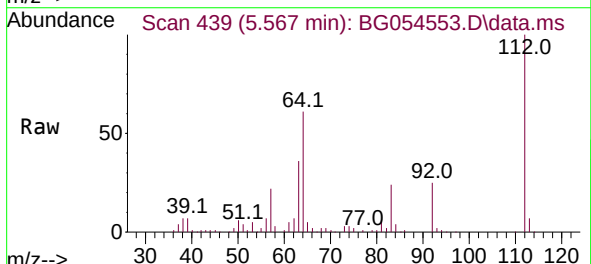
Instrument :
BNA_G
ClientSampleId :
P-5E

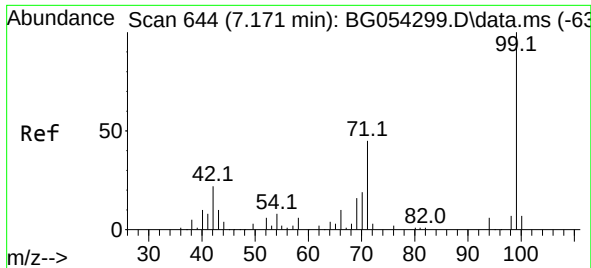
Tgt Ion:152 Resp: 20598
Ion Ratio Lower Upper
152 100
150 141.7 131.6 197.4
115 56.1 50.9 76.3



#5
2-Fluorophenol
Concen: 127.286 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:112 Resp: 125574
Ion Ratio Lower Upper
112 100
64 61.1 55.1 82.7
63 35.5 30.4 45.6

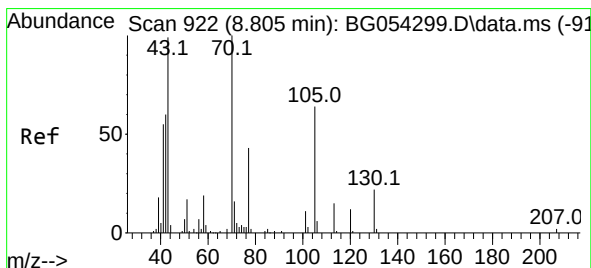
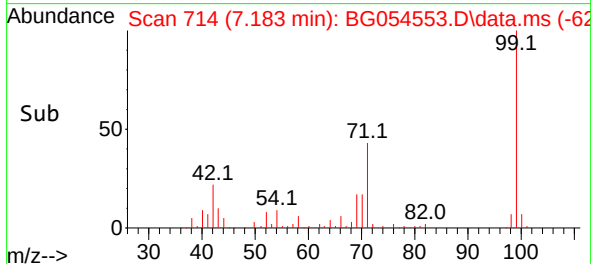
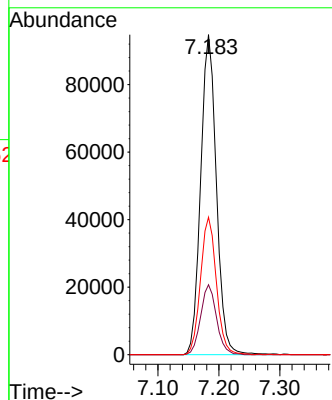
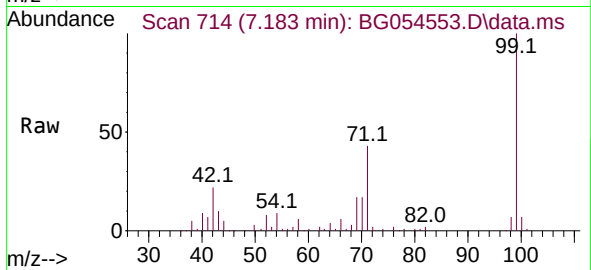




#7
Phenol-d6
Concen: 125.730 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

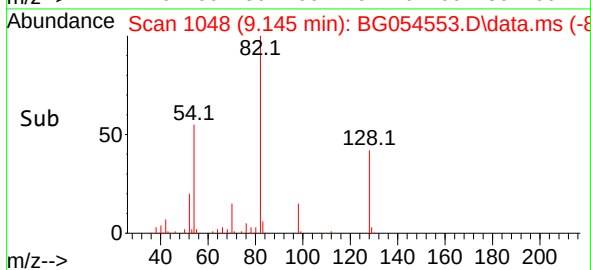
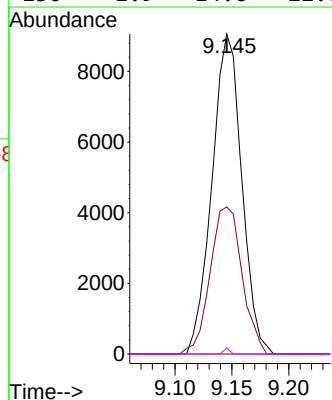
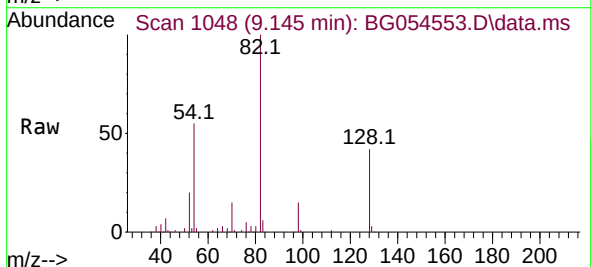
Instrument :
BNA_G
ClientSampleId :
P-5E

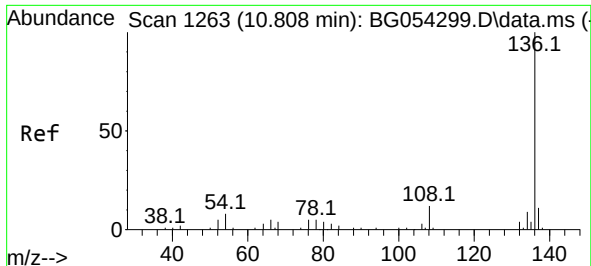
Tgt Ion: 99 Resp: 169964
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 42.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.264 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.362 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion: 70 Resp: 16487
Ion Ratio Lower Upper
70 100
42 46.0 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

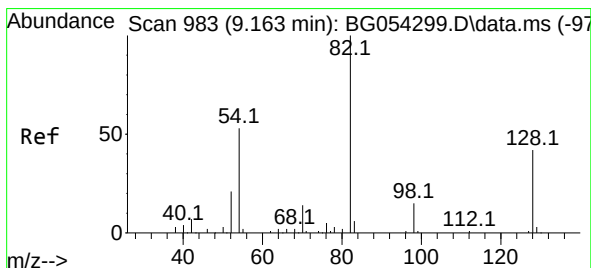
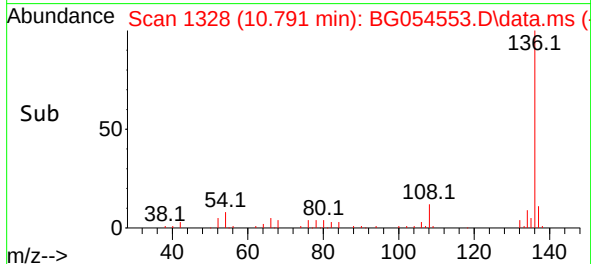
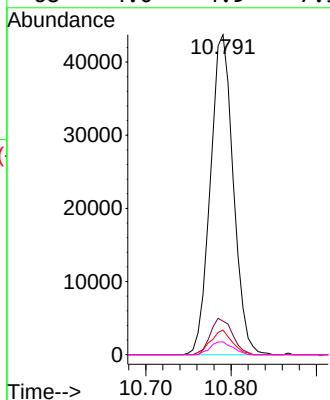
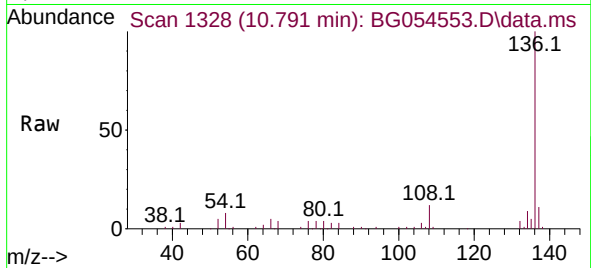




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

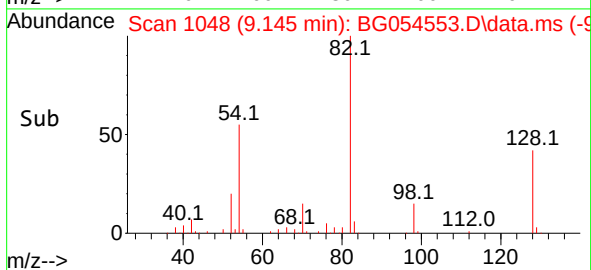
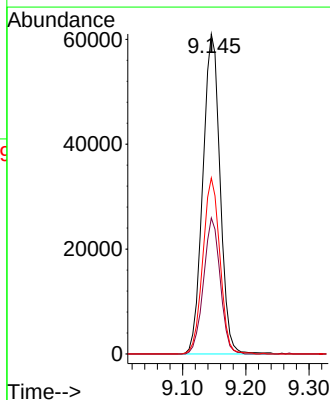
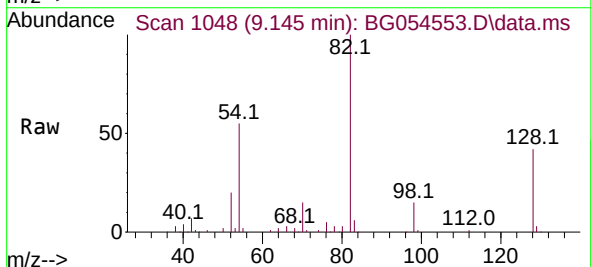
Instrument :
BNA_G
ClientSampleId :
P-5E

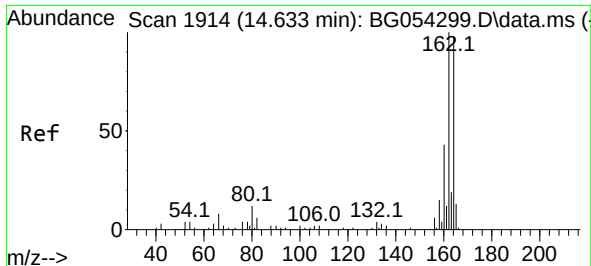
Tgt Ion:	136	Resp:	81793
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	7.7	7.4	11.2
68	4.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 76.802 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:	82	Resp:	115354
Ion Ratio	Lower	Upper	
82	100		
128	42.5	27.9	41.9#
54	55.0	41.2	61.8

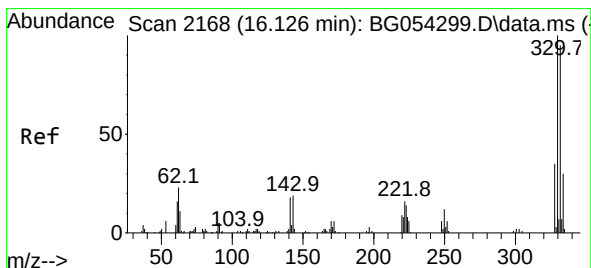
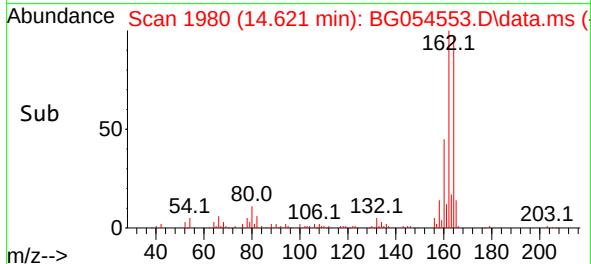
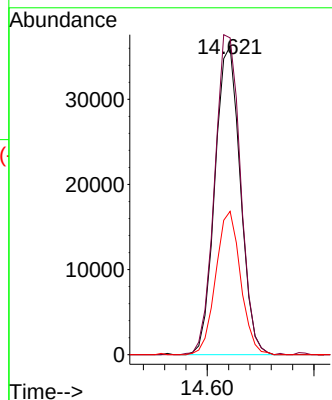
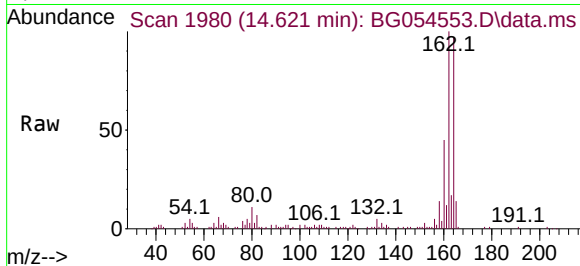




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

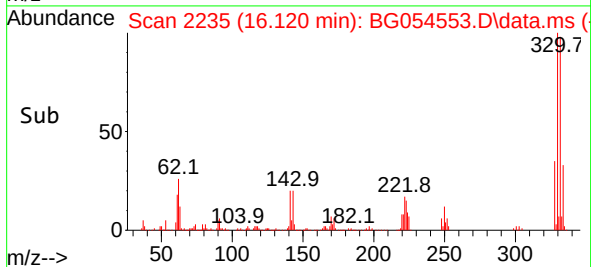
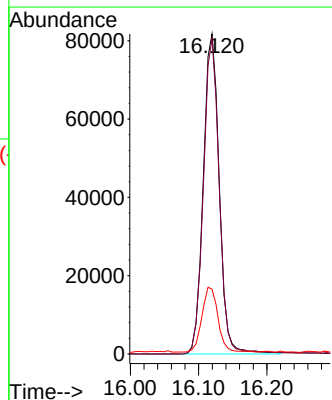
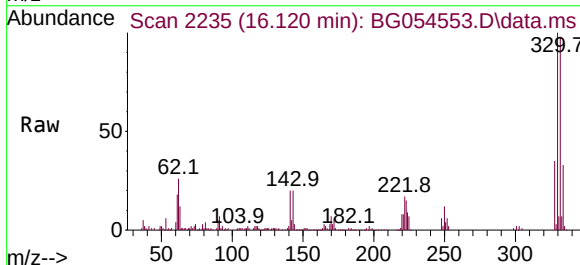
Instrument :
BNA_G
ClientSampleId :
P-5E

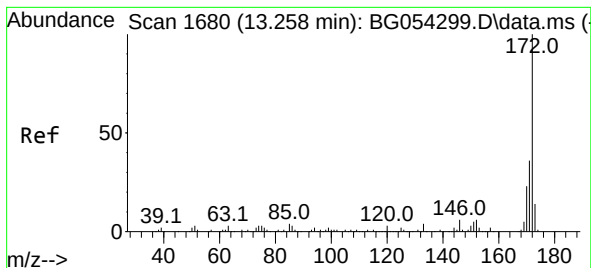
Tgt Ion:164 Resp: 59770
Ion Ratio Lower Upper
164 100
162 102.7 82.3 123.5
160 46.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 106.049 ng
RT: 16.120 min Scan# 2235
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:330 Resp: 133086
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 20.3 27.1 40.7#

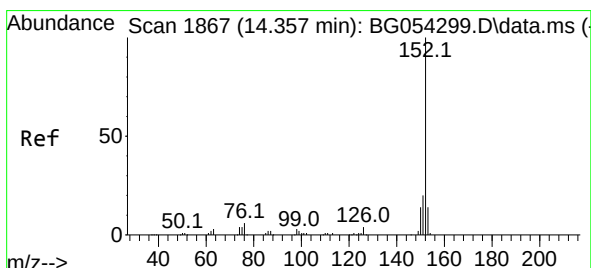
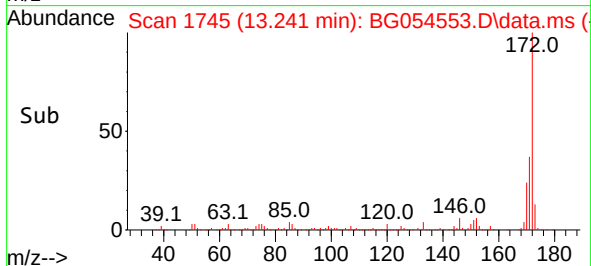
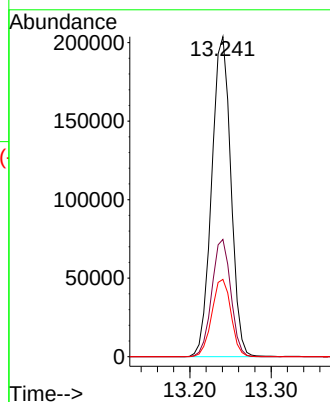
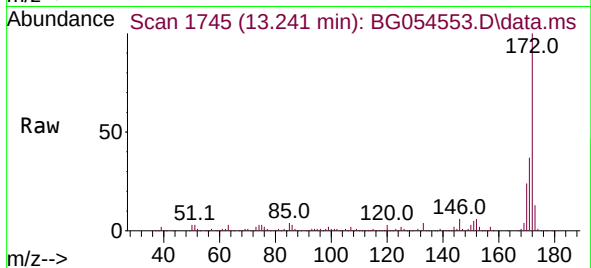




#45
2-Fluorobiphenyl
Concen: 78.681 ng
RT: 13.241 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

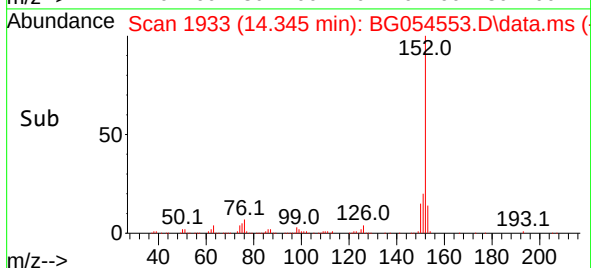
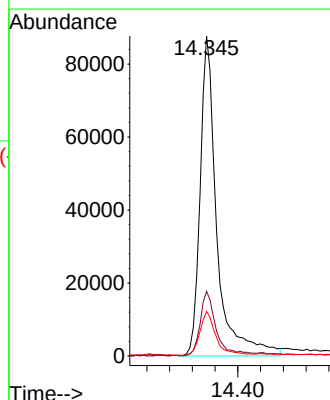
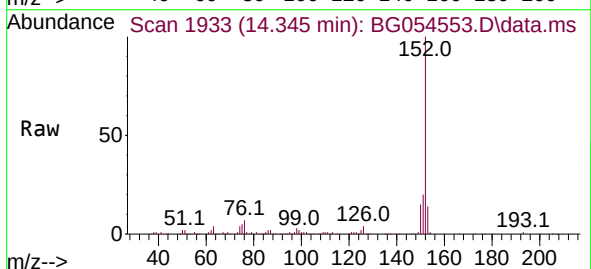
Instrument :
BNA_G
ClientSampleId :
P-5E

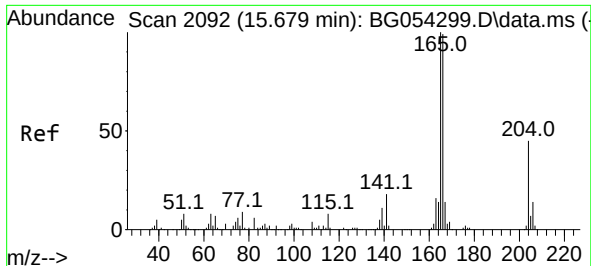
Tgt Ion:172 Resp: 333364
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.2 18.9 28.3



#49
Acenaphthylene
Concen: 35.198 ng
RT: 14.345 min Scan# 1933
Delta R.T. 0.004 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:152 Resp: 178977
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.9 10.8 16.2

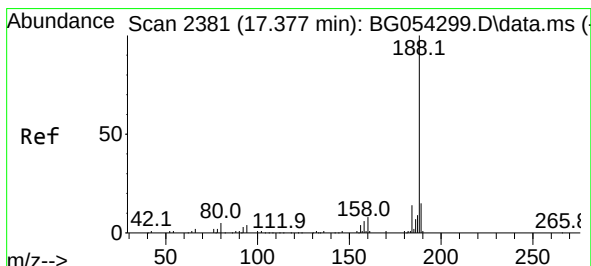
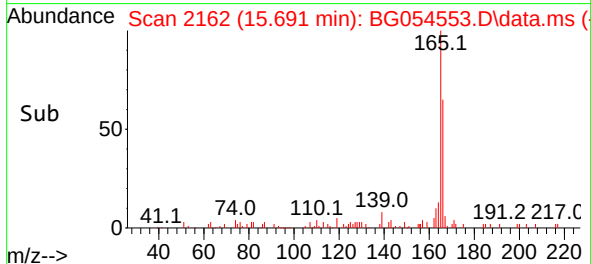
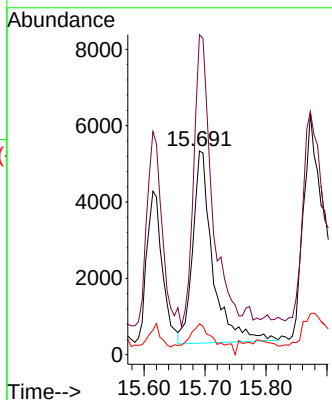
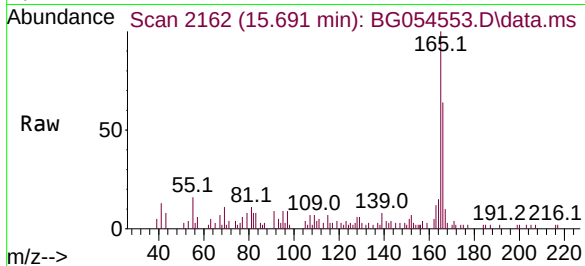




#58
Fluorene
Concen: 2.535 ng
RT: 15.691 min Scan# 2162
Delta R.T. 0.027 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

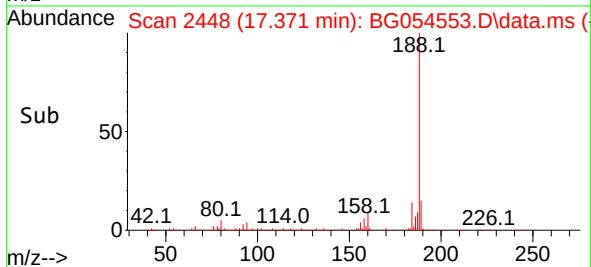
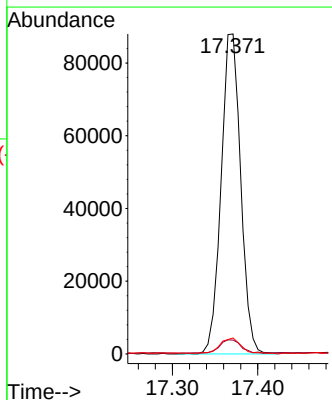
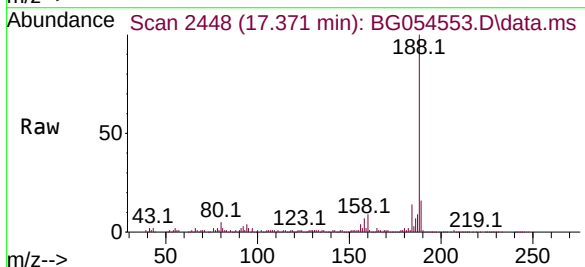
Instrument :
BNA_G
ClientSampleId :
P-5E

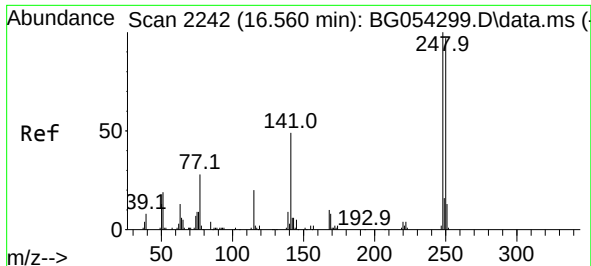
Tgt Ion:166 Resp: 11418
Ion Ratio Lower Upper
166 100
165 157.2 75.0 112.6#
167 15.1 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. 0.010 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:188 Resp: 140553
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.0 6.8 10.2#

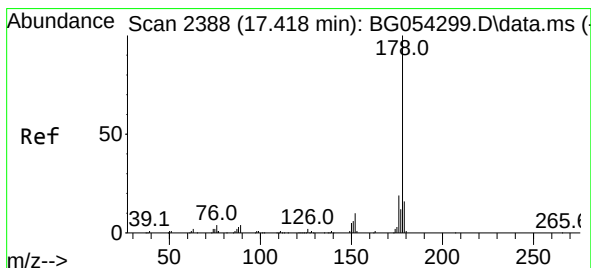
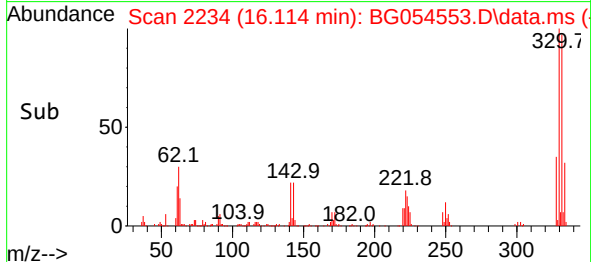
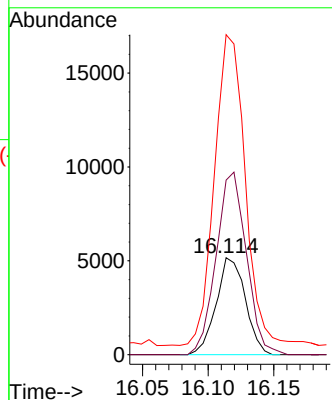
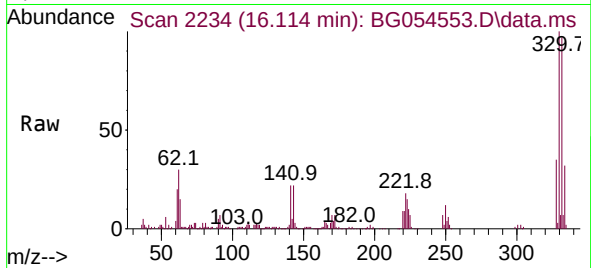




#67
4-Bromophenyl-phenylether
Concen: 4.035 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.431 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

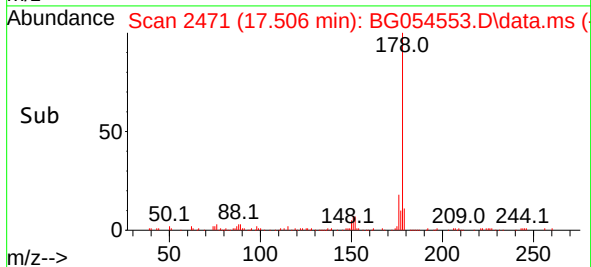
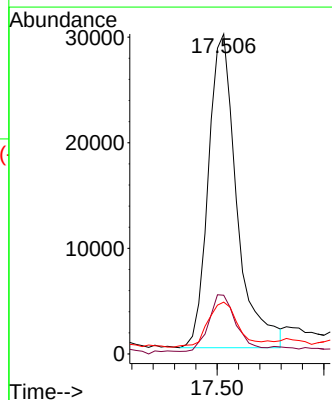
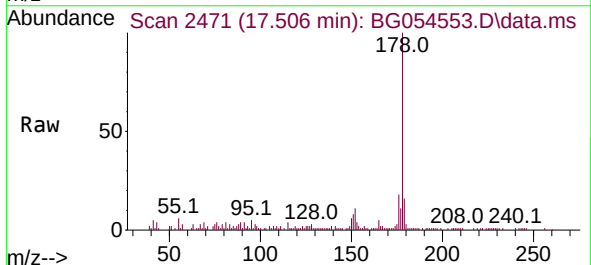
Instrument :
BNA_G
ClientSampleId :
P-5E

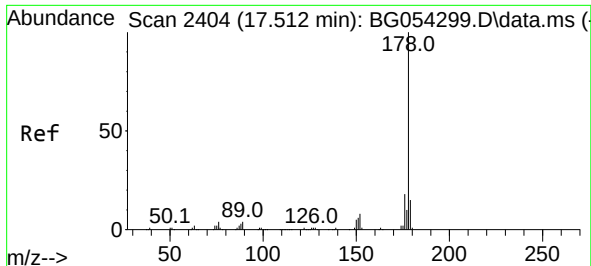
Tgt Ion:248 Resp: 7966
Ion Ratio Lower Upper
248 100
250 180.1 75.2 112.8#
141 330.2 50.0 75.0#



#71
Phenanthrene
Concen: 7.886 ng
RT: 17.506 min Scan# 2471
Delta R.T. 0.098 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:178 Resp: 55200
Ion Ratio Lower Upper
178 100
176 18.3 14.1 21.1
179 16.2 12.1 18.1

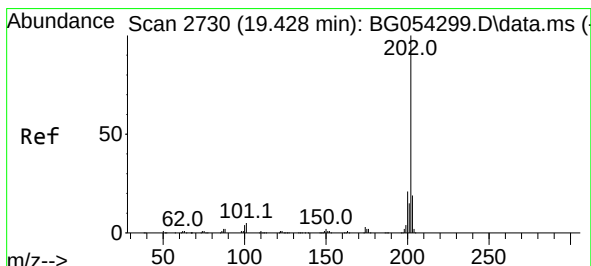
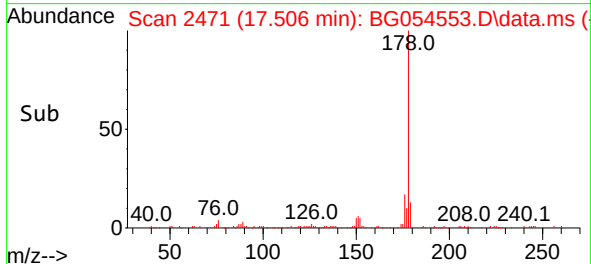
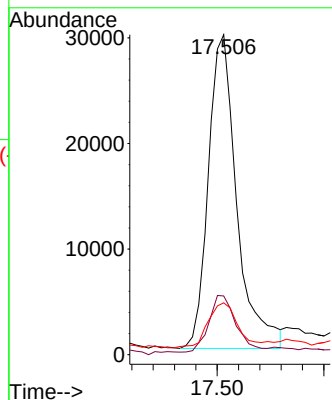
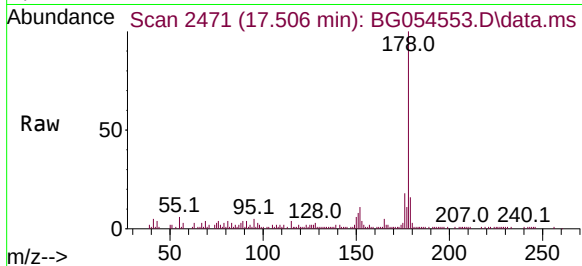




#72
 Anthracene
 Concen: 8.036 ng
 RT: 17.506 min Scan# 24
 Delta R.T. 0.010 min
 Lab File: BG054553.D
 Acq: 8 Aug 2022 14:45

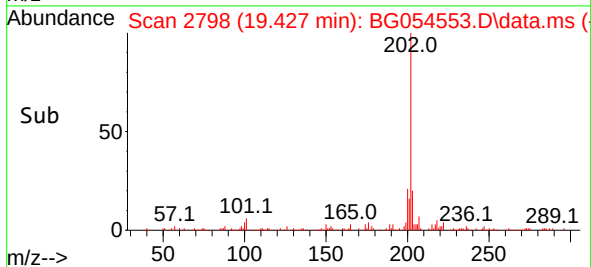
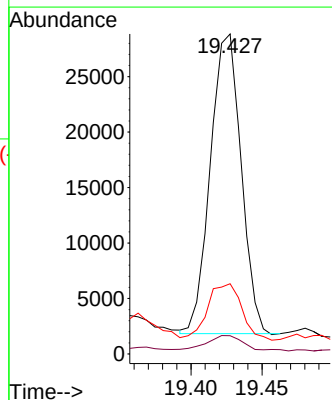
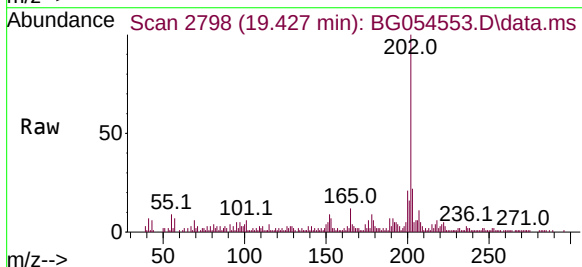
Instrument :
 BNA_G
 ClientSampleId :
 P-5E

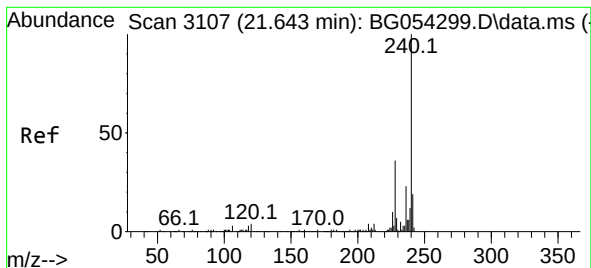
Tgt Ion:	178	Resp:	55200
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.2	22.8
179	16.2	13.0	19.4



#75
 Fluoranthene
 Concen: 4.256 ng
 RT: 19.427 min Scan# 2798
 Delta R.T. 0.010 min
 Lab File: BG054553.D
 Acq: 8 Aug 2022 14:45

Tgt Ion:	202	Resp:	40608
Ion Ratio	Lower	Upper	
202	100		
101	5.7	0.0	26.9
203	22.0	0.0	37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

P-5E

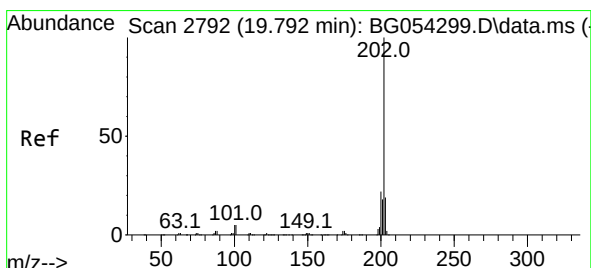
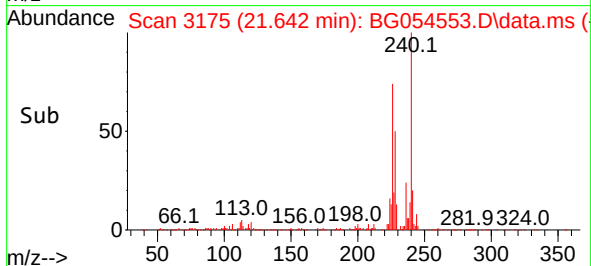
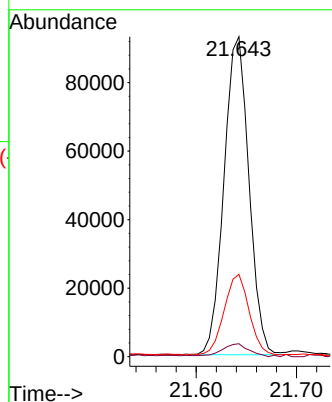
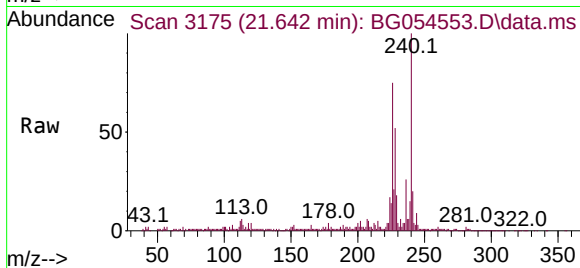
Tgt Ion:240 Resp: 160238

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0#

236 25.8 20.2 30.4



#78

Pyrene

Concen: 81.791 ng

RT: 19.792 min Scan# 2860

Delta R.T. 0.010 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

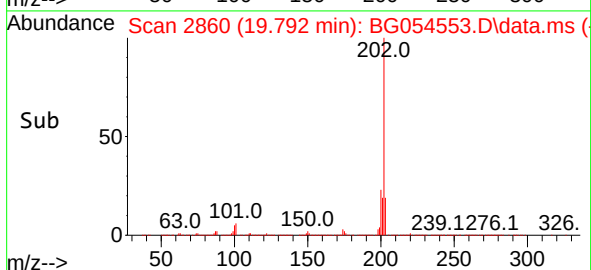
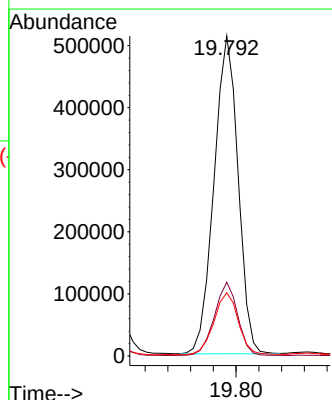
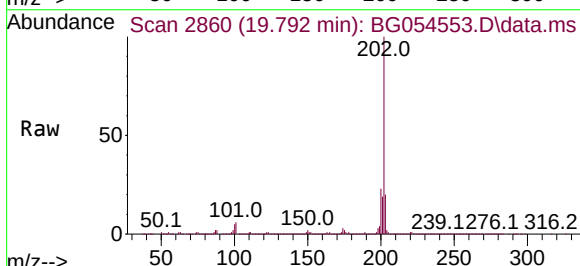
Tgt Ion:202 Resp: 752012

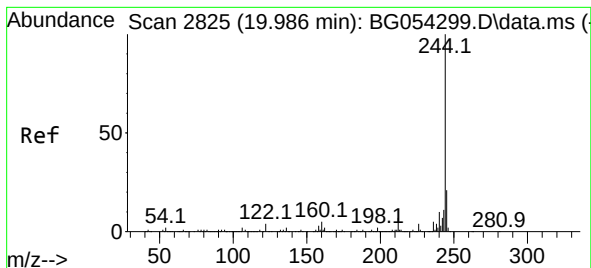
Ion Ratio Lower Upper

202 100

200 23.1 16.6 24.8

203 19.7 14.6 21.8





#79

Terphenyl-d14

Concen: 77.014 ng

RT: 19.980 min Scan# 2

Delta R.T. 0.010 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

P-5E

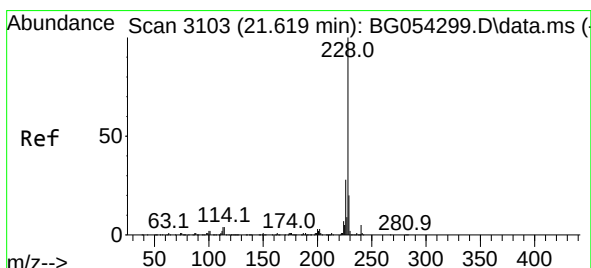
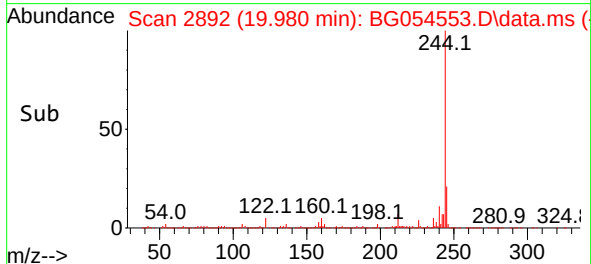
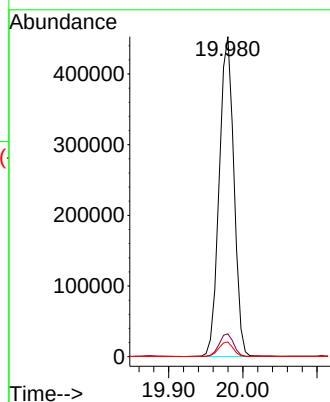
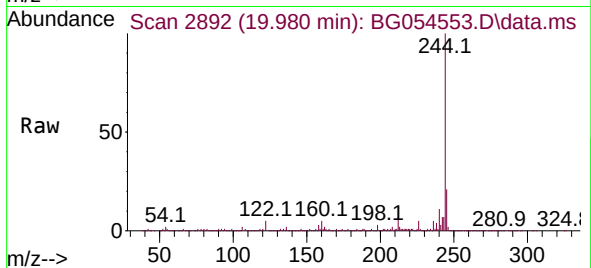
Tgt Ion:244 Resp: 622064

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 4.6 5.0 7.4#



#81

Benzo(a)anthracene

Concen: 11.248 ng

RT: 21.619 min Scan# 3171

Delta R.T. 0.004 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

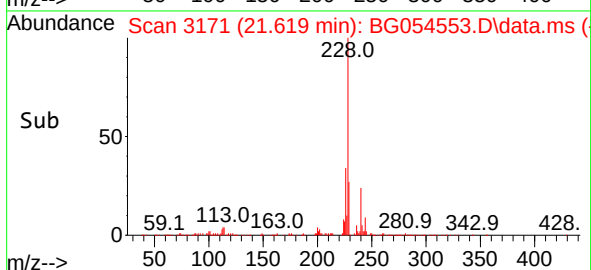
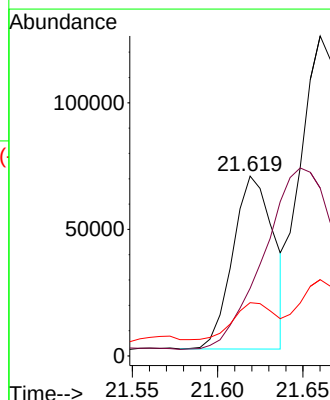
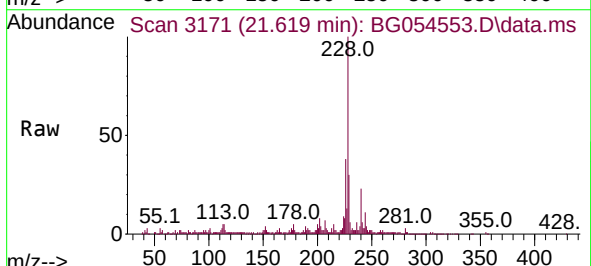
Tgt Ion:228 Resp: 114409

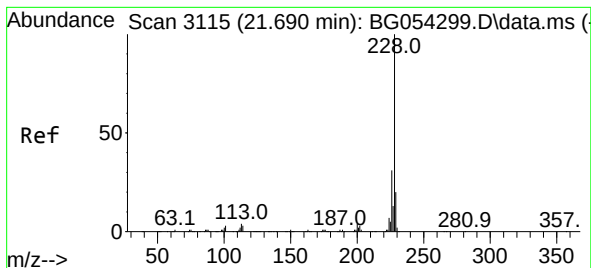
Ion Ratio Lower Upper

228 100

226 37.6 21.6 32.4#

229 29.7 16.2 24.2#





#83

Chrysene

Concen: 28.016 ng

RT: 21.660 min Scan# 3115

Delta R.T. -0.020 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

P-5E

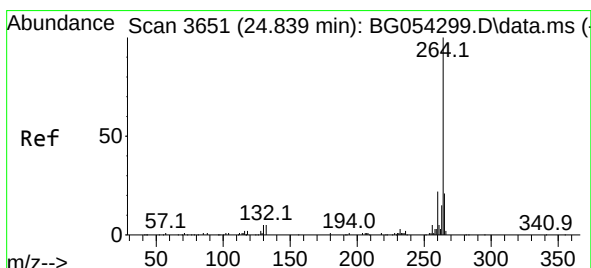
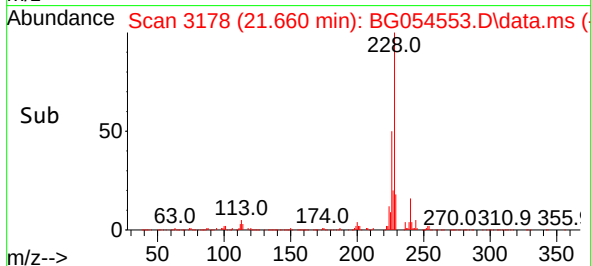
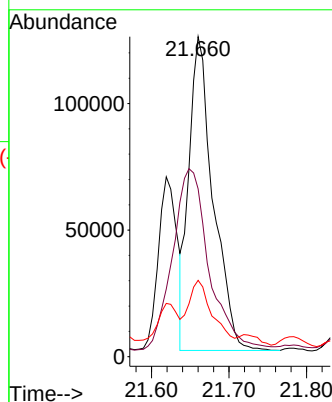
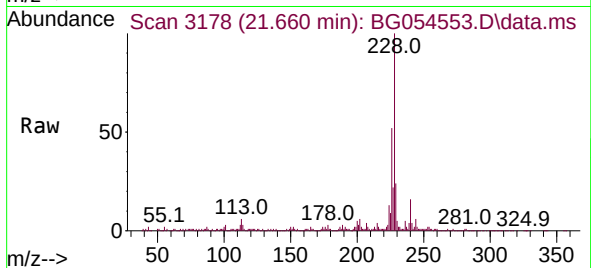
Tgt Ion:228 Resp: 269229

Ion Ratio Lower Upper

228 100

226 52.4 23.4 35.2#

229 23.8 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.856 min Scan# 3722

Delta R.T. 0.021 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

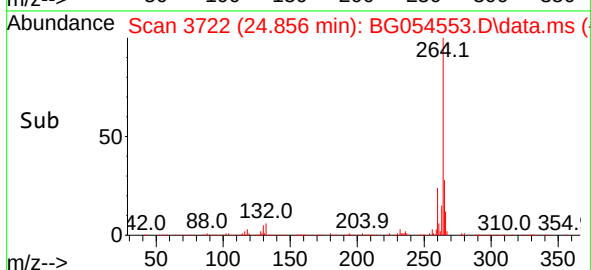
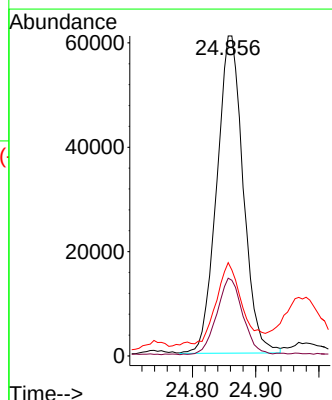
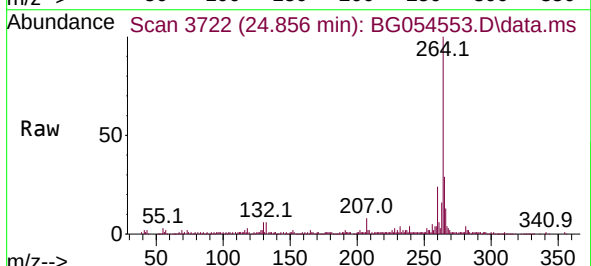
Tgt Ion:264 Resp: 176668

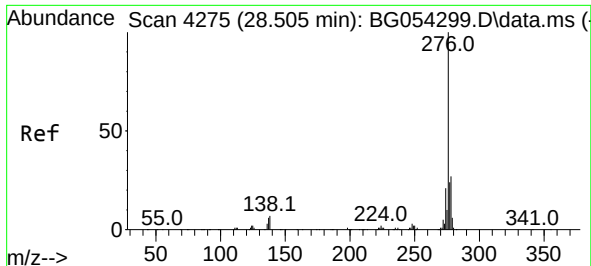
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 29.2 17.4 26.2#

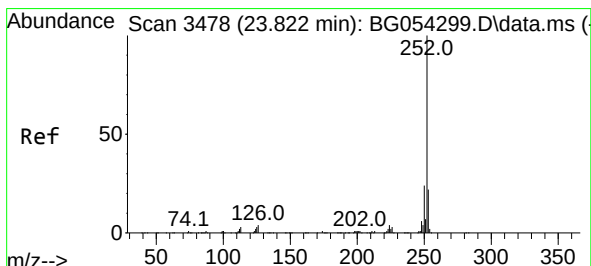
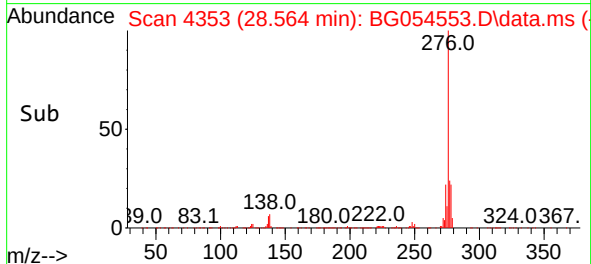
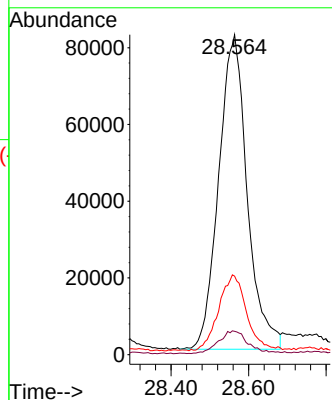
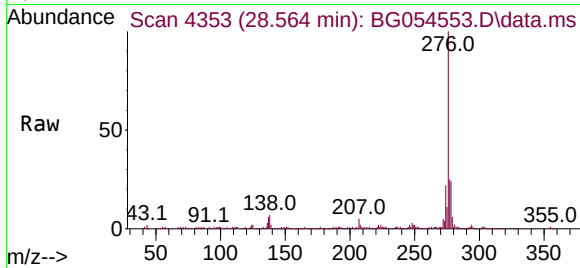




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 31.147 ng
 RT: 28.564 min Scan# 41
 Delta R.T. 0.033 min
 Lab File: BG054553.D
 Acq: 8 Aug 2022 14:45

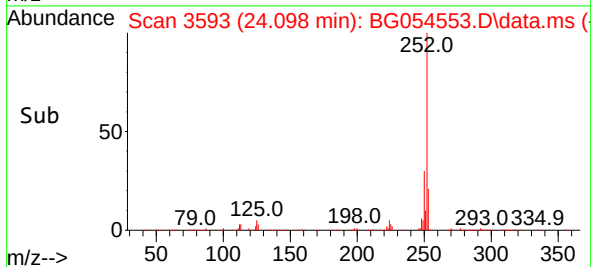
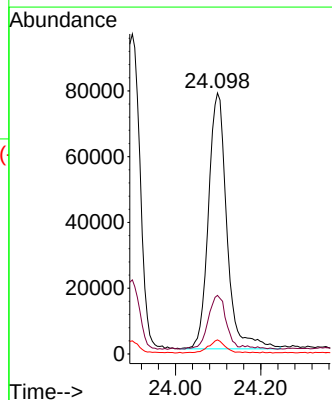
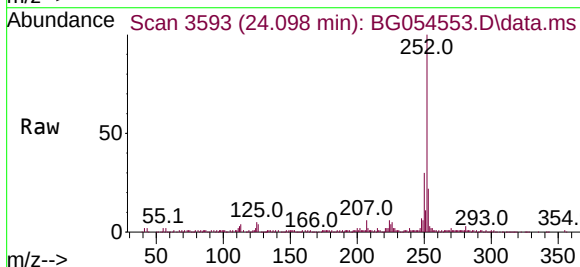
Instrument :
 BNA_G
 ClientSampleId :
 P-5E

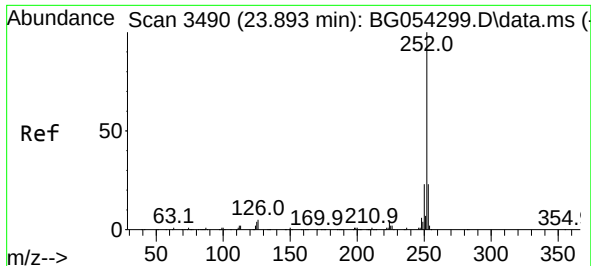
Tgt Ion:276 Resp: 418620
 Ion Ratio Lower Upper
 276 100
 138 7.5 5.0 7.4#
 277 23.7 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 22.271 ng
 RT: 24.098 min Scan# 3593
 Delta R.T. 0.280 min
 Lab File: BG054553.D
 Acq: 8 Aug 2022 14:45

Tgt Ion:252 Resp: 232687
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.0 27.0
 125 5.4 4.6 6.8

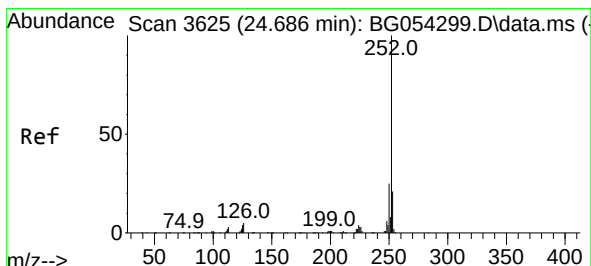
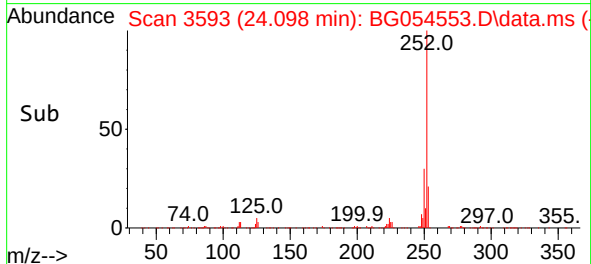
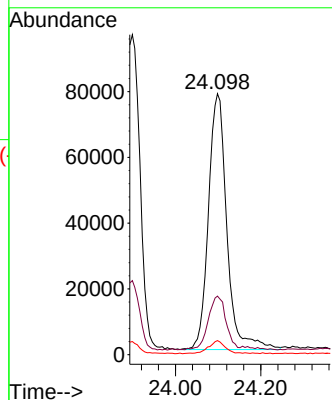
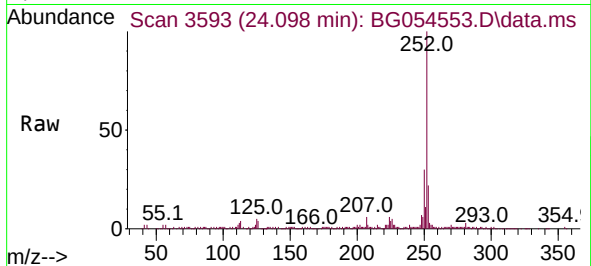




#89
Benzo(k)fluoranthene
Concen: 22.378 ng
RT: 24.098 min Scan# 31
Delta R.T. 0.215 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

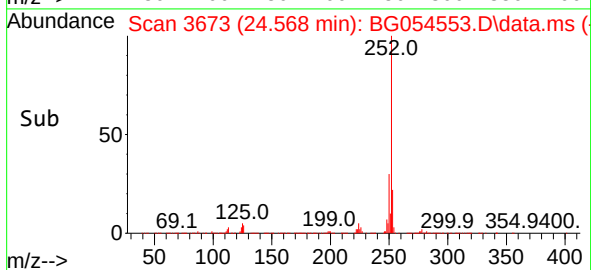
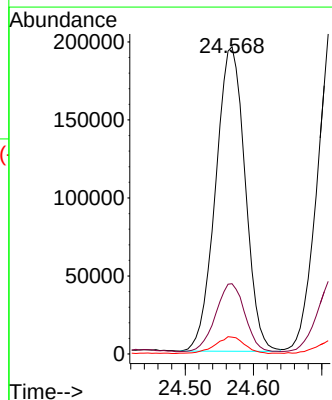
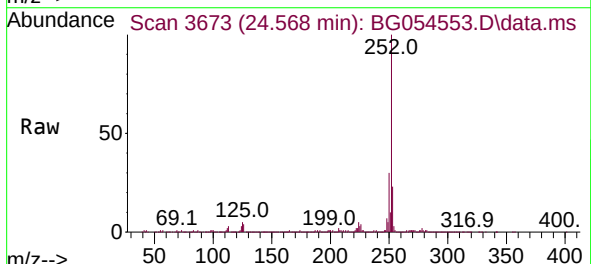
Instrument :
BNA_G
ClientSampleId :
P-5E

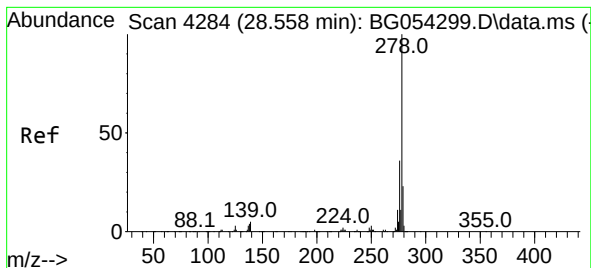
Tgt Ion:252 Resp: 232687
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 5.4 4.8 7.2



#90
Benzo(a)pyrene
Concen: 65.745 ng
RT: 24.568 min Scan# 3673
Delta R.T. -0.120 min
Lab File: BG054553.D
Acq: 8 Aug 2022 14:45

Tgt Ion:252 Resp: 586618
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 5.4 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 9.883 ng

RT: 28.581 min Scan# 41

Delta R.T. 0.010 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

P-5E

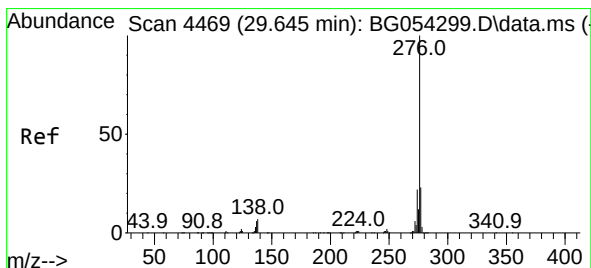
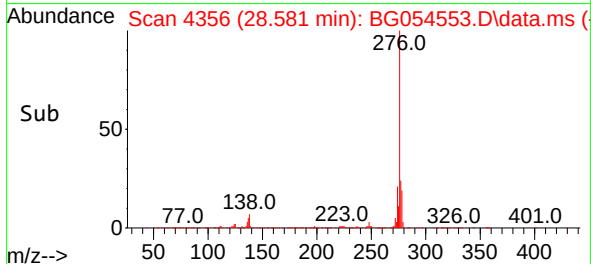
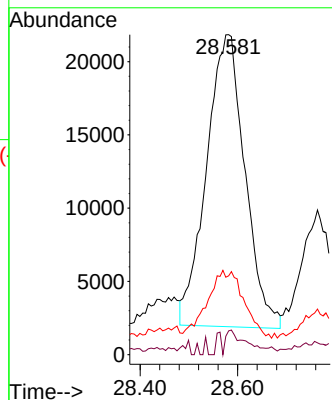
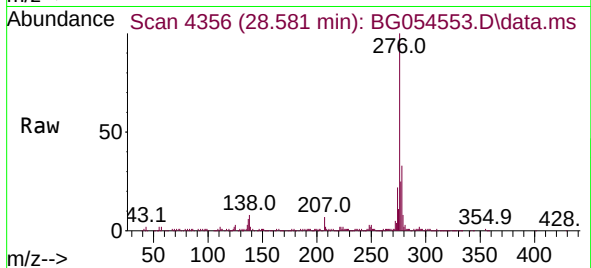
Tgt Ion:278 Resp: 109219

Ion Ratio Lower Upper

278 100

139 7.5 7.2 10.8

279 24.7 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 42.674 ng

RT: 29.721 min Scan# 4550

Delta R.T. 0.045 min

Lab File: BG054553.D

Acq: 8 Aug 2022 14:45

Tgt Ion:276 Resp: 465464

Ion Ratio Lower Upper

276 100

277 24.1 17.3 25.9

138 8.0 9.6 14.4#

