

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054569.D
 Acq On : 9 Aug 2022 14:18
 Operator : CG/JU
 Sample : N4063-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5D

Quant Time: Aug 09 17:03:00 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)

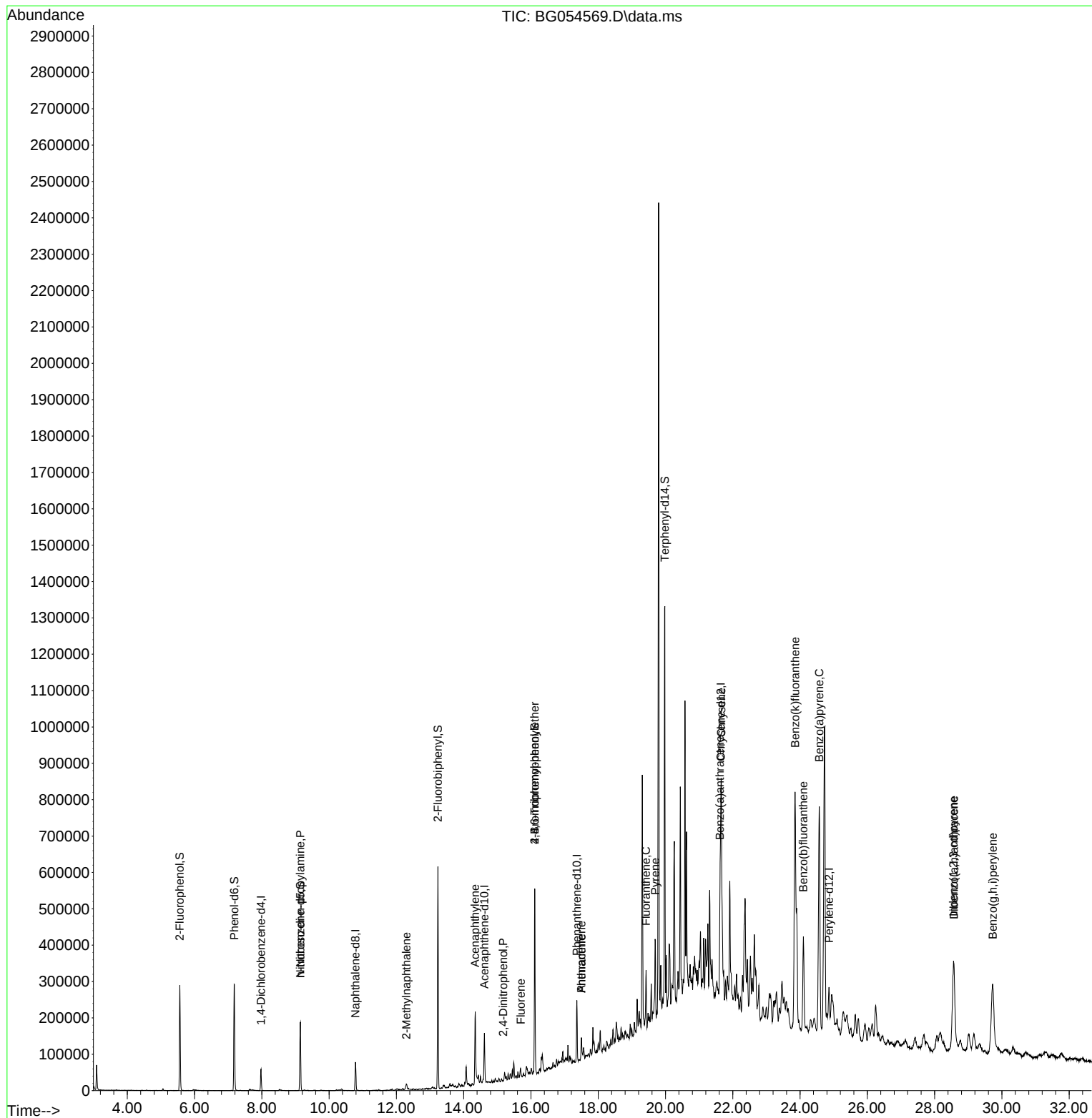
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	17937	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	71594	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	51153	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	119642	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	138276	20.000	ng	# 0.00
86) Perylene-d12	24.862	264	147142	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	132097	153.762	ng	0.00
7) Phenol-d6	7.183	99	175838	149.372	ng	0.00
23) Nitrobenzene-d5	9.145	82	119027	90.536	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	132595	123.456	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	336883	92.905	ng	0.00
79) Terphenyl-d14	19.980	244	621202	89.122	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.124	77	55	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	17266	21.964	ng	# 79
37) 2-Methylnaphthalene	12.300	142	13675	4.955	ng	# 90
49) Acenaphthylene	14.345	152	221519	50.903	ng	99
54) 2,4-Dinitrophenol	15.174	184	54	6.696	ng	# 47
58) Fluorene	15.696	166	12519	3.247	ng	# 55
67) 4-Bromophenyl-phenylether	16.114	248	8060	4.797	ng	# 1
71) Phenanthrene	17.500	178	64088	10.756	ng	96
72) Anthracene	17.500	178	64088	10.961	ng	99
75) Fluoranthene	19.421	202	101247	12.466	ng	93
78) Pyrene	19.692	202	151058	19.039	ng	97
81) Benzo(a)anthracene	21.619	228	188659	21.493	ng	# 76
83) Chrysene	21.660	228	410969	49.557	ng	# 70
87) Indeno(1,2,3-cd)pyrene	28.564	276	545778	48.757	ng	96
88) Benzo(b)fluoranthene	24.098	252	344189	39.554	ng	98
89) Benzo(k)fluoranthene	23.852	252	890663	102.846	ng	# 99
90) Benzo(a)pyrene	24.574	252	831234	111.854	ng	98
91) Dibenzo(a,h)anthracene	28.575	278	128856	13.999	ng	# 88
92) Benzo(g,h,i)perylene	29.727	276	560192	61.664	ng	# 93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
Data File : BG054569.D
Acq On : 9 Aug 2022 14:18
Operator : CG/JU
Sample : N4063-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-5D

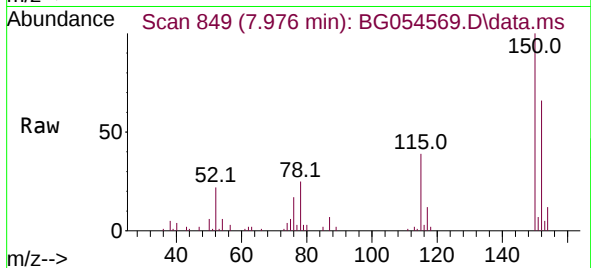
Quant Time: Aug 09 17:03:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration



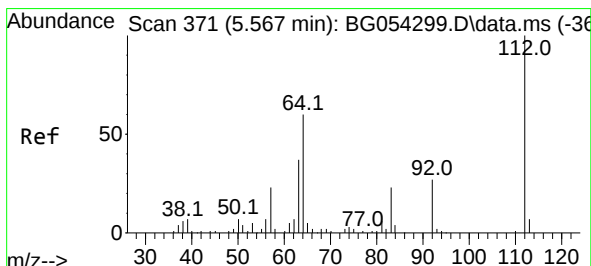
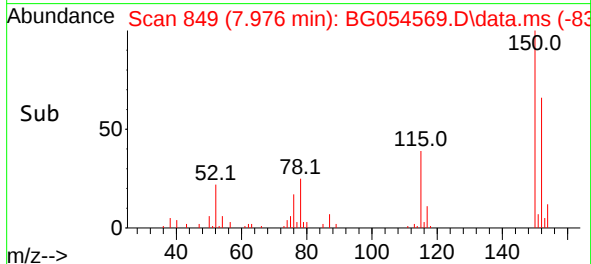
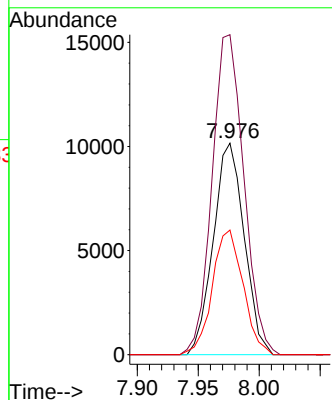


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Instrument :
BNA_G
ClientSampleId :
P-5D

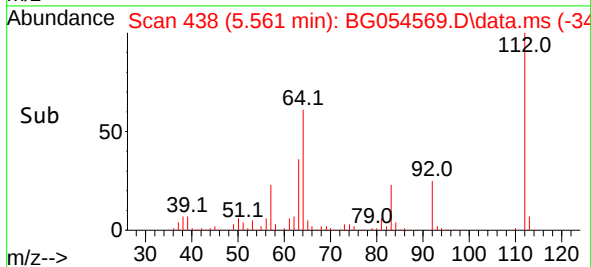
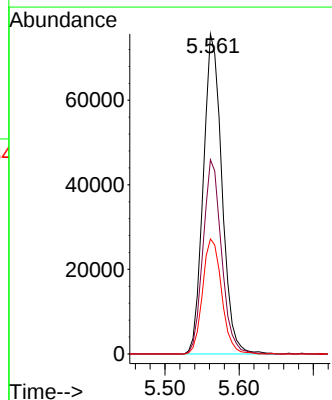
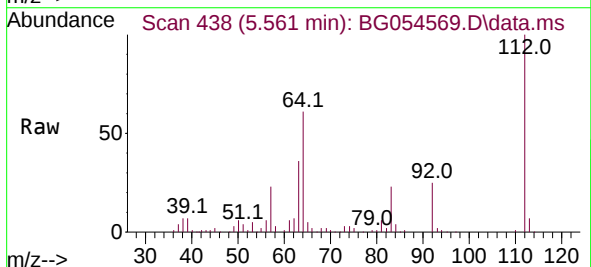


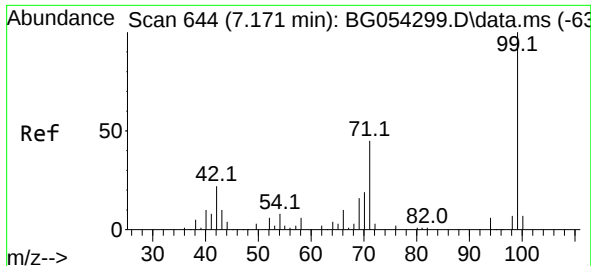
Tgt Ion:152 Resp: 17937
Ion Ratio Lower Upper
152 100
150 151.3 131.6 197.4
115 58.9 50.9 76.3



#5
2-Fluorophenol
Concen: 153.762 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:112 Resp: 132097
Ion Ratio Lower Upper
112 100
64 60.7 55.1 82.7
63 35.9 30.4 45.6

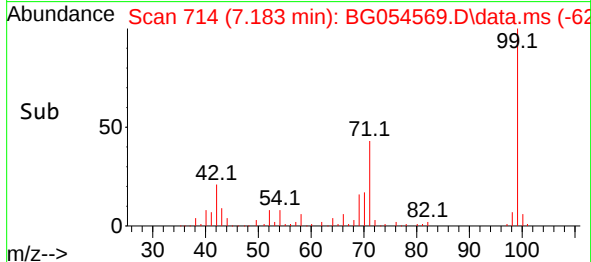
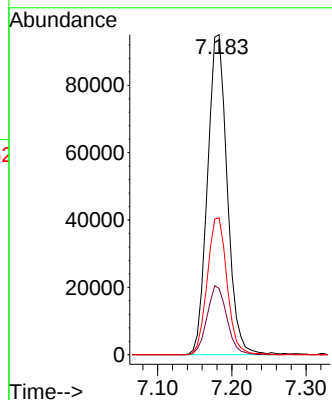
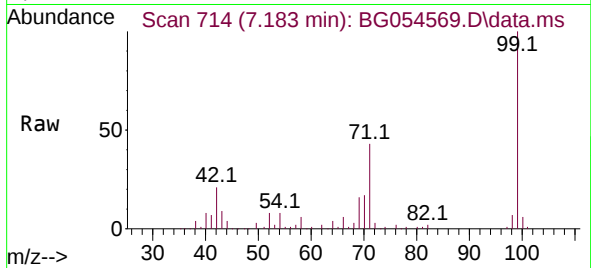




#7
Phenol-d6
Concen: 149.372 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

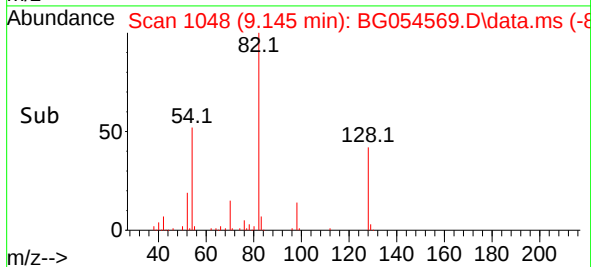
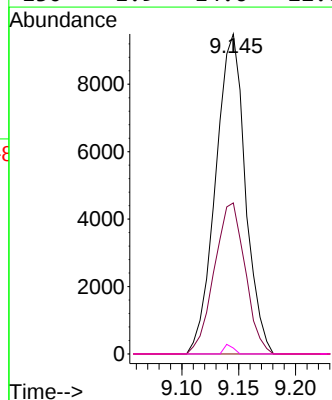
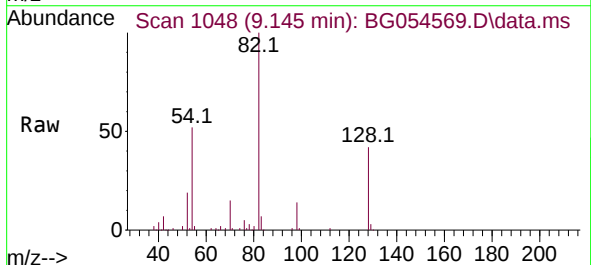
Instrument :
BNA_G
ClientSampleId :
P-5D

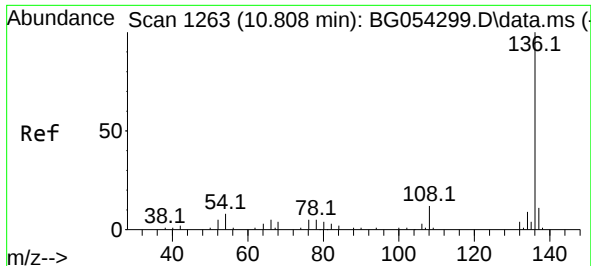
Tgt Ion: 99 Resp: 175838
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 42.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.964 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.362 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion: 70 Resp: 17266
Ion Ratio Lower Upper
70 100
42 47.2 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

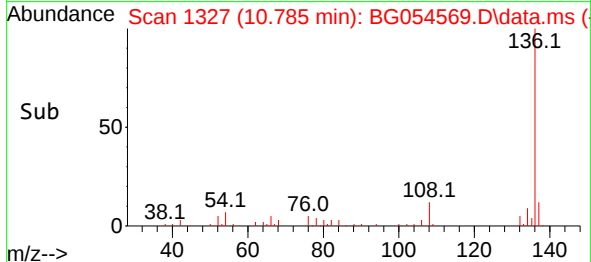
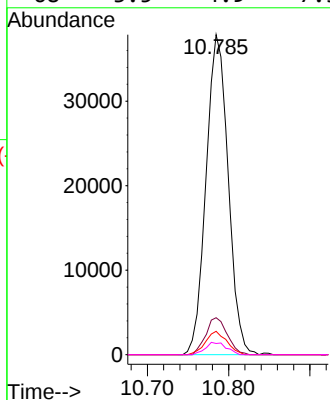
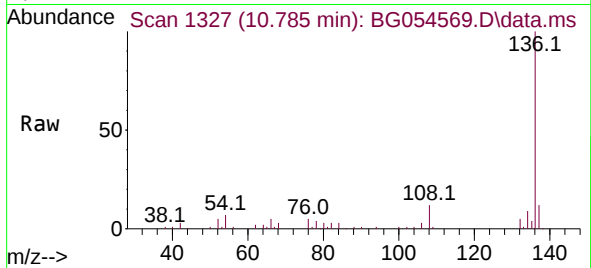




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

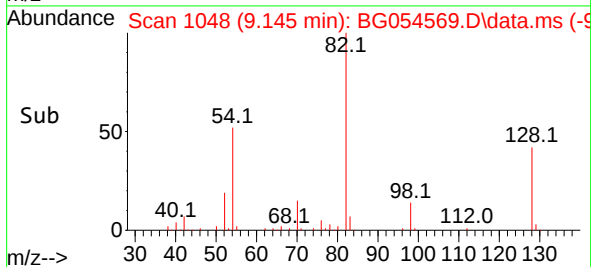
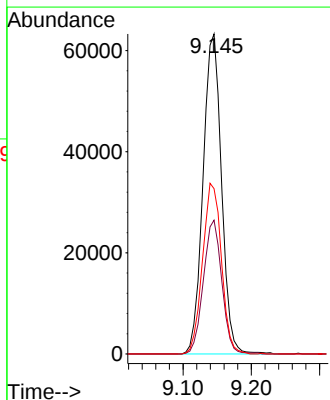
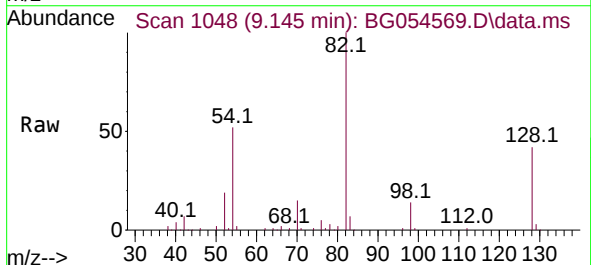
Instrument :
BNA_G
ClientSampleId :
P-5D

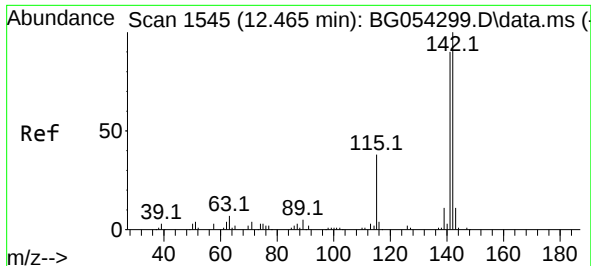
Tgt Ion:	136	Resp:	71594
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.3	7.4	11.2#
68	3.5	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 90.536 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:	82	Resp:	119027
Ion Ratio	Lower	Upper	
82	100		
128	41.8	27.9	41.9
54	51.6	41.2	61.8





#37

2-Methylnaphthalene

Concen: 4.955 ng

RT: 12.300 min Scan# 1

Delta R.T. -0.143 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Instrument :

BNA_G

ClientSampleId :

P-5D

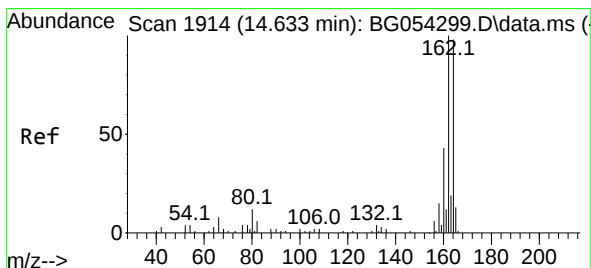
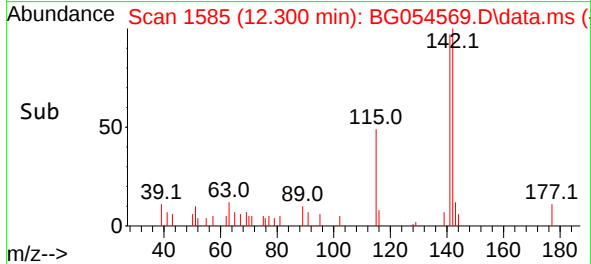
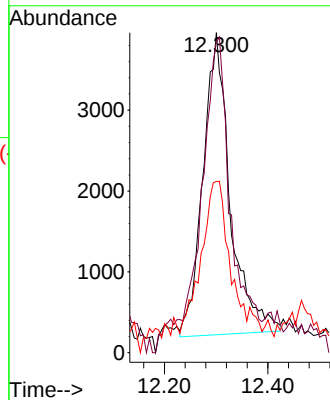
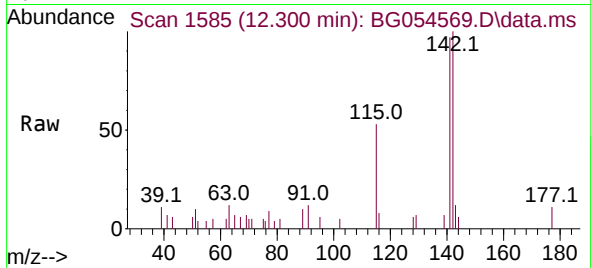
Tgt Ion:142 Resp: 13675

Ion Ratio Lower Upper

142 100

141 97.0 72.3 108.5

115 53.5 33.7 50.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.615 min Scan# 1979

Delta R.T. -0.002 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

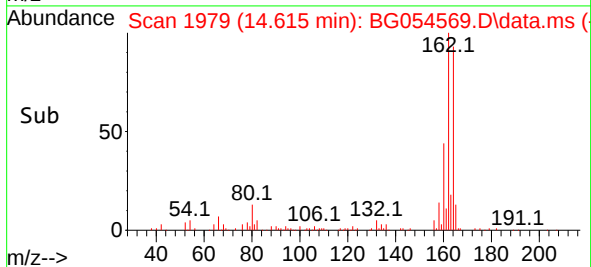
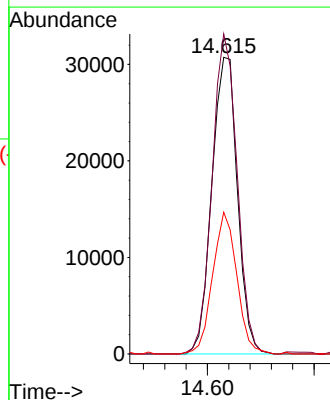
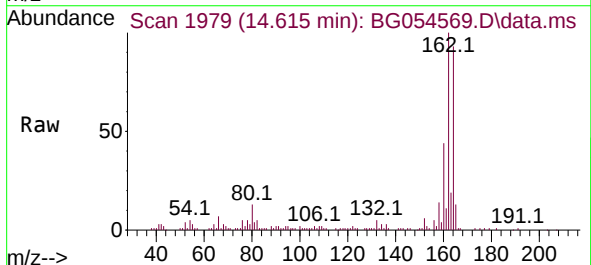
Tgt Ion:164 Resp: 51153

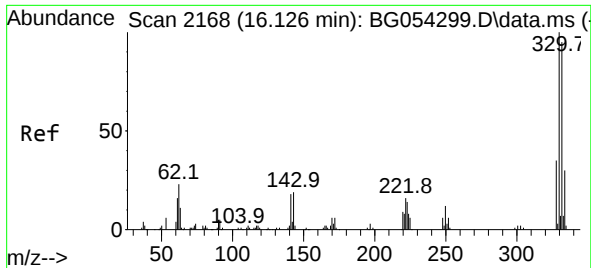
Ion Ratio Lower Upper

164 100

162 107.9 82.3 123.5

160 47.8 34.2 51.2

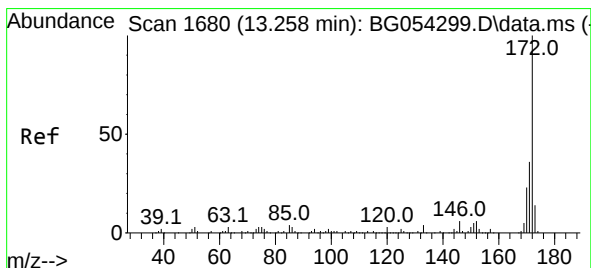
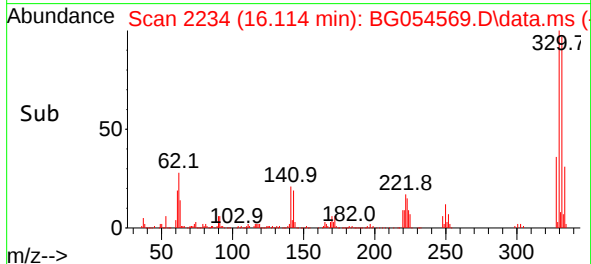
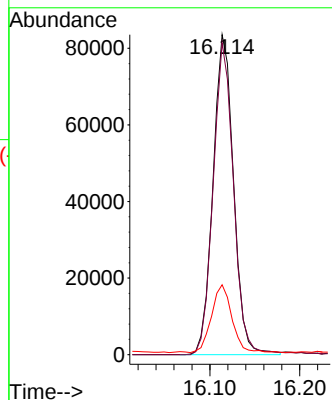
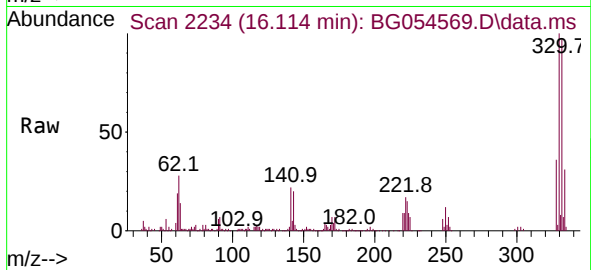




#42
 2,4,6-Tribromophenol
 Concen: 123.456 ng
 RT: 16.114 min Scan# 2168
 Delta R.T. -0.002 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

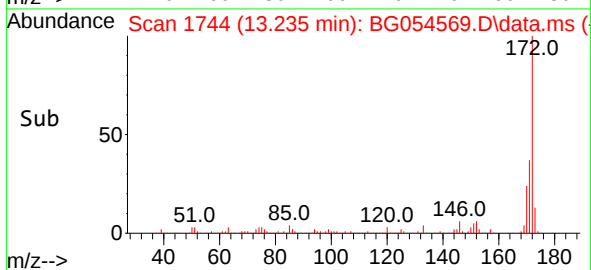
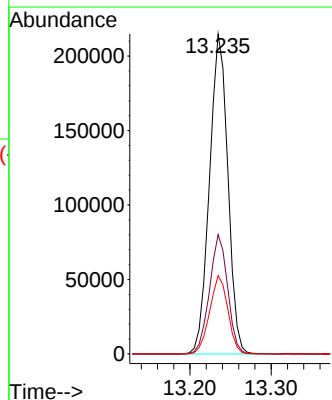
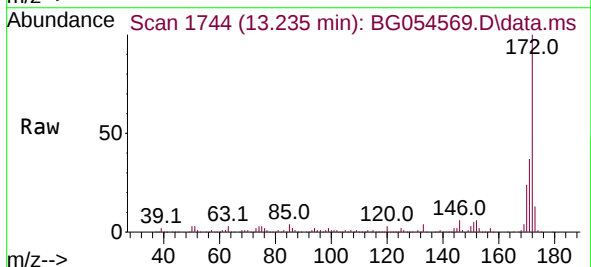
Instrument :
 BNA_G
 ClientSampleId :
 P-5D

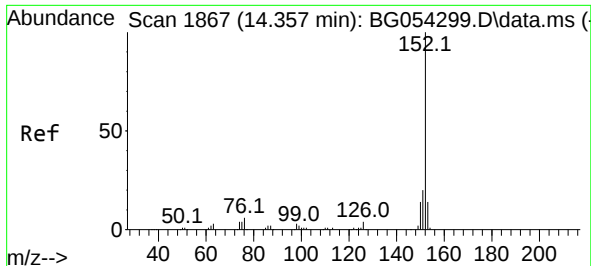
Tgt Ion:330 Resp: 132595
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.0 114.0
 141 21.2 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 92.905 ng
 RT: 13.235 min Scan# 1744
 Delta R.T. -0.002 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

Tgt Ion:172 Resp: 336883
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.5 42.7
 170 24.5 18.9 28.3

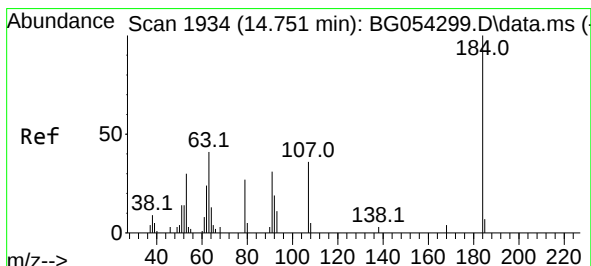
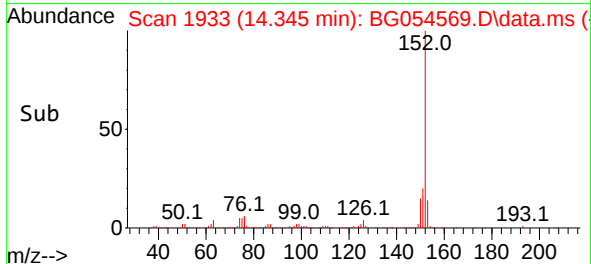
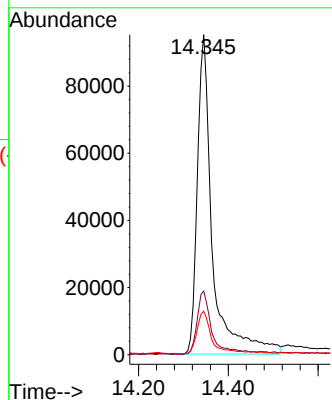
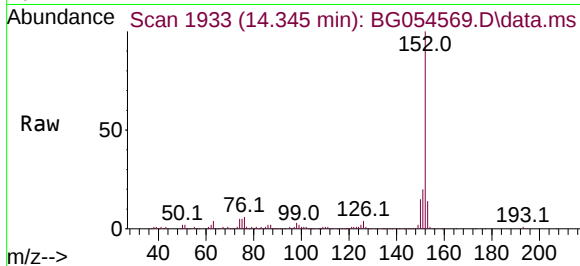




#49
Acenaphthylene
Concen: 50.903 ng
RT: 14.345 min Scan# 1933
Delta R.T. 0.004 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

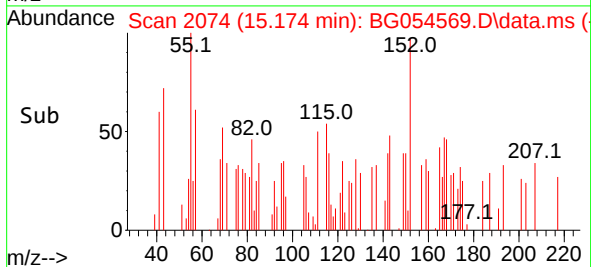
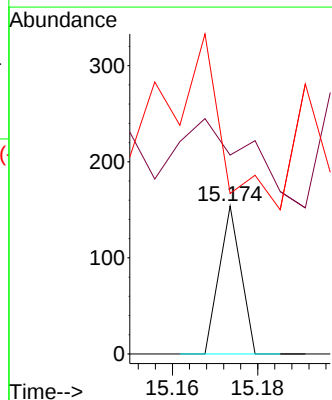
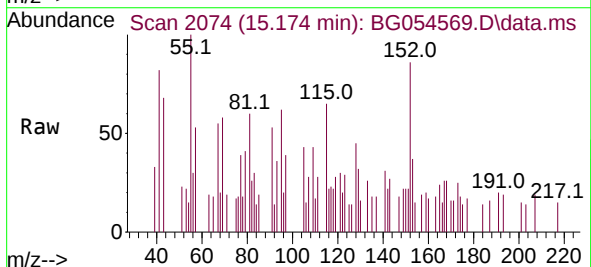
Instrument :
BNA_G
ClientSampleId :
P-5D

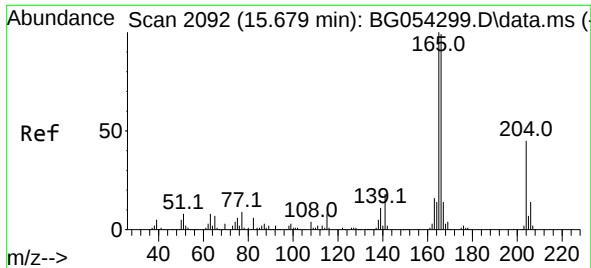
Tgt Ion:152 Resp: 221519
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 13.6 10.8 16.2



#54
2,4-Dinitrophenol
Concen: 6.696 ng
RT: 15.174 min Scan# 2074
Delta R.T. 0.409 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 134.4 61.1 91.7#
154 108.4 60.6 91.0#

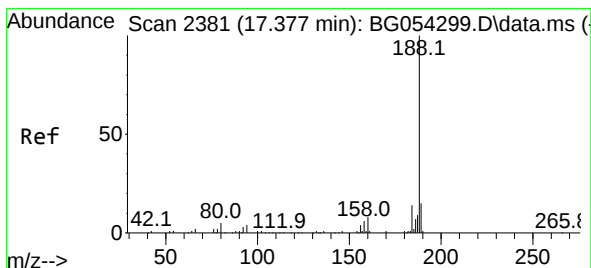
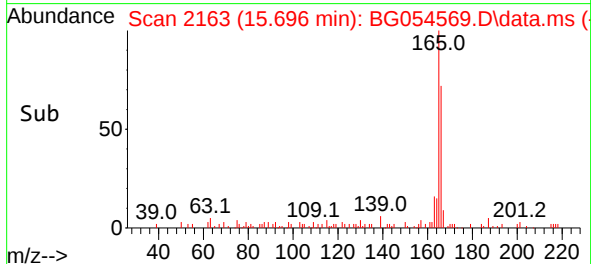
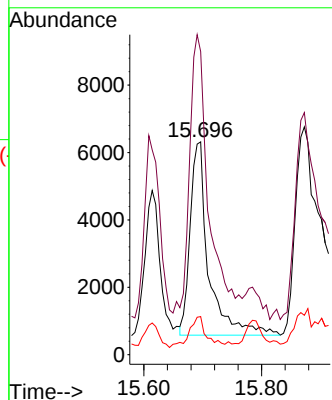
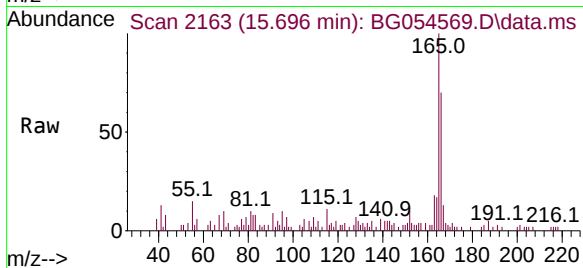




#58
 Fluorene
 Concen: 3.247 ng
 RT: 15.696 min Scan# 2163
 Delta R.T. 0.033 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

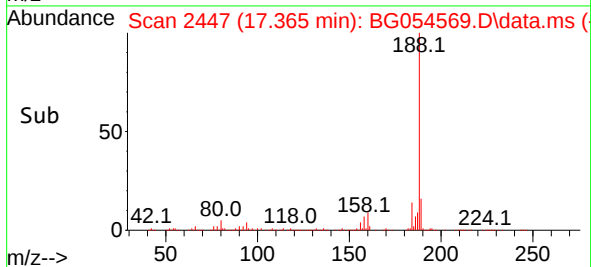
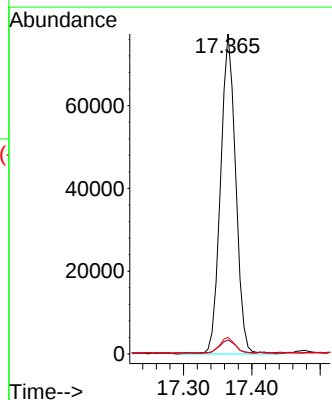
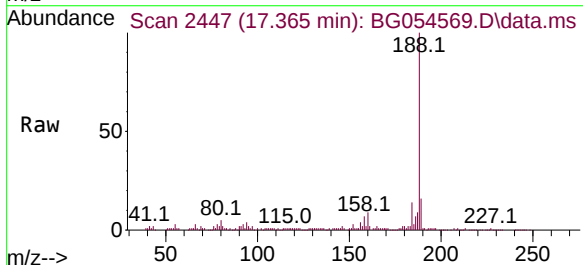
Instrument :
 BNA_G
 ClientSampleId :
 P-5D

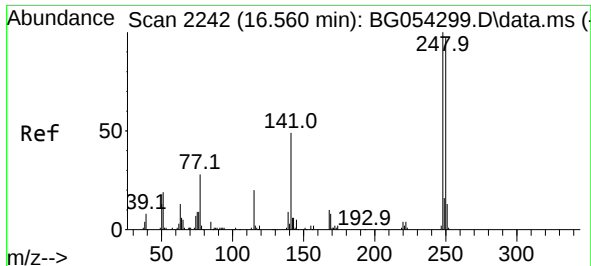
Tgt Ion:166 Resp: 12519
 Ion Ratio Lower Upper
 166 100
 165 142.4 75.0 112.6#
 167 17.9 10.8 16.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.365 min Scan# 2447
 Delta R.T. 0.004 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

Tgt Ion:188 Resp: 119642
 Ion Ratio Lower Upper
 188 100
 94 4.4 5.4 8.0#
 80 5.1 6.8 10.2#

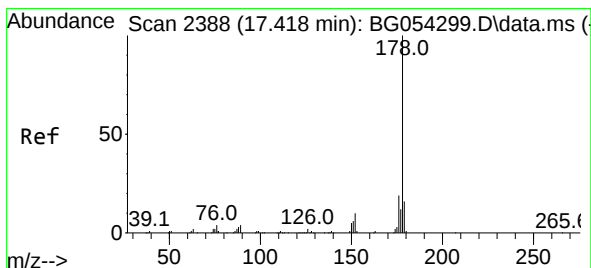
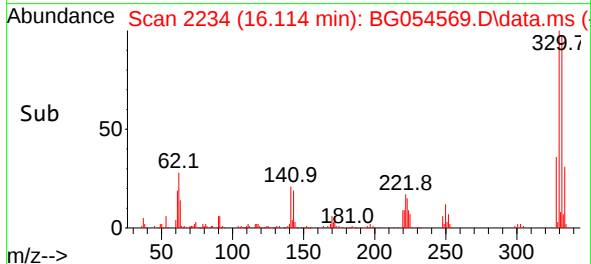
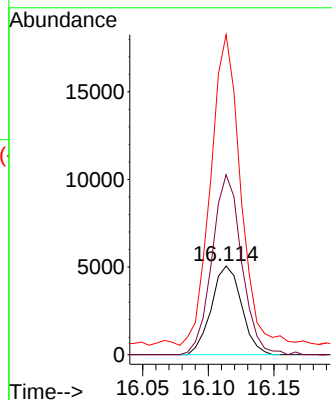
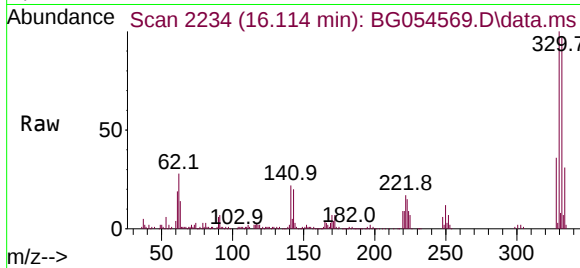




#67
4-Bromophenyl-phenylether
Concen: 4.797 ng
RT: 16.114 min Scan# 211
Delta R.T. -0.431 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

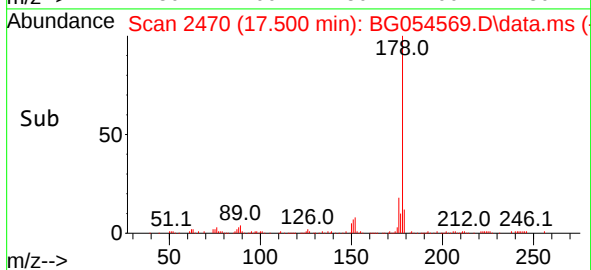
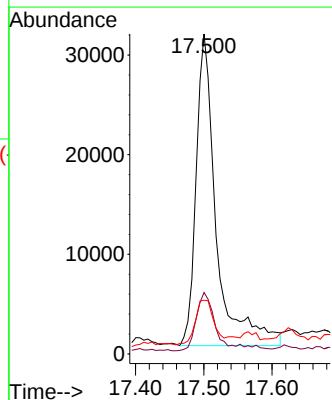
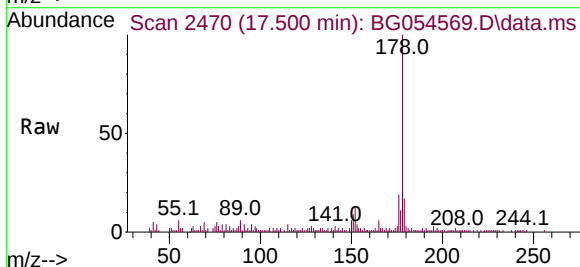
Instrument :
BNA_G
ClientSampleId :
P-5D

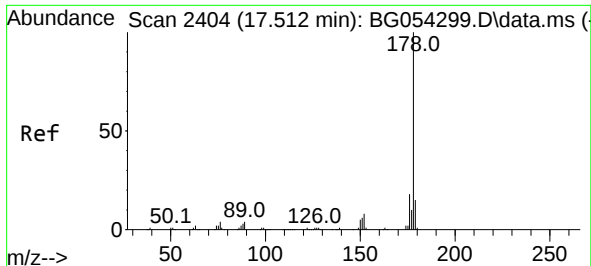
Tgt Ion:248 Resp: 8060
Ion Ratio Lower Upper
248 100
250 203.2 75.2 112.8#
141 361.0 50.0 75.0#



#71
Phenanthrene
Concen: 10.756 ng
RT: 17.500 min Scan# 2470
Delta R.T. 0.092 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:178 Resp: 64088
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 16.8 12.1 18.1

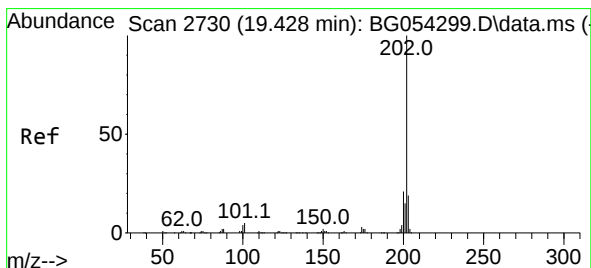
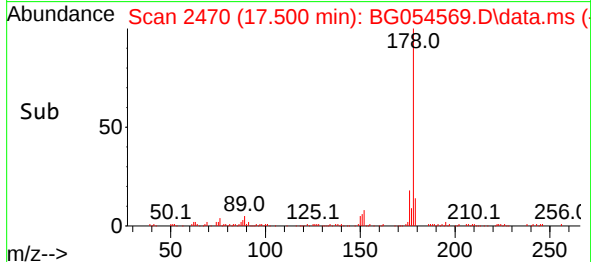
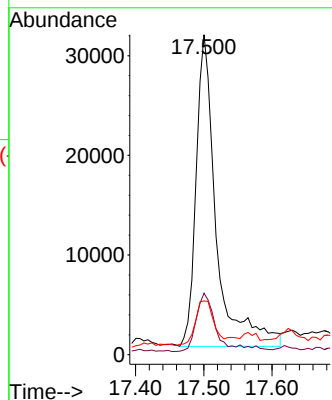
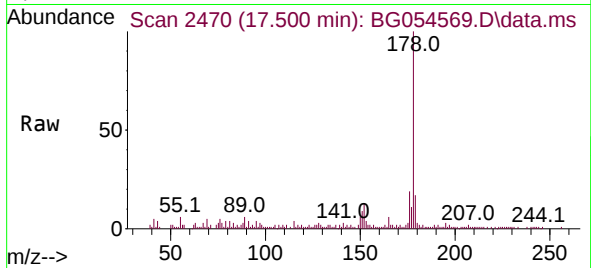




#72
 Anthracene
 Concen: 10.961 ng
 RT: 17.500 min Scan# 2404
 Delta R.T. 0.004 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

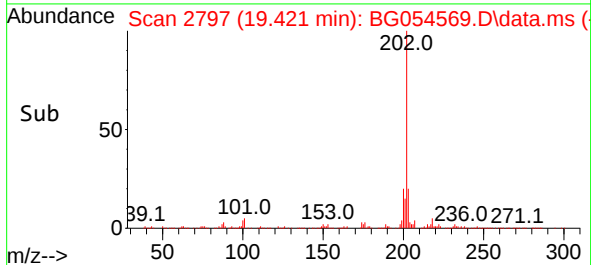
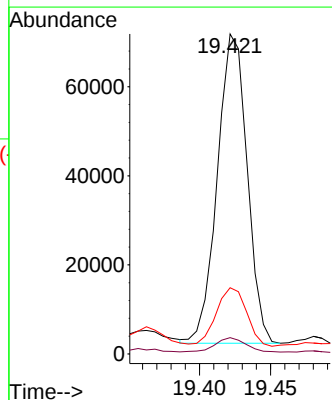
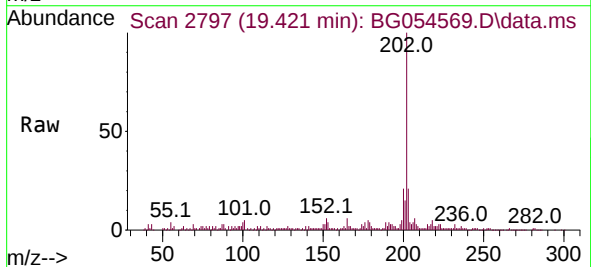
Instrument :
 BNA_G
 ClientSampleId :
 P-5D

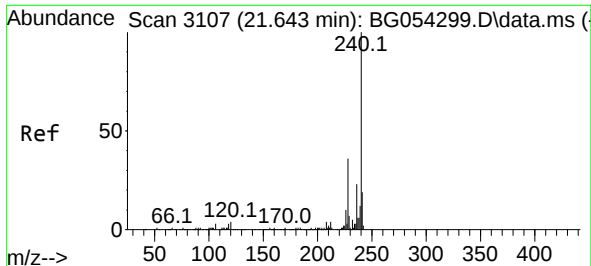
Tgt Ion:	178	Resp:	64088
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.2	22.8
179	16.8	13.0	19.4



#75
 Fluoranthene
 Concen: 12.466 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. 0.004 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

Tgt Ion:	202	Resp:	101247
Ion Ratio	Lower	Upper	
202	100		
101	5.1	0.0	26.9
203	20.7	0.0	37.2

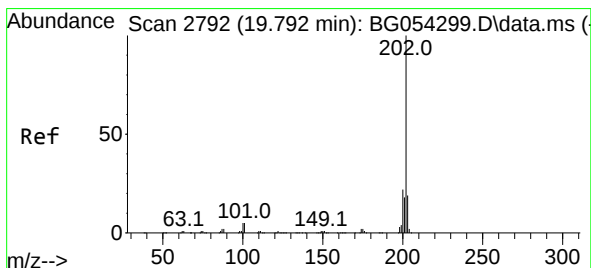
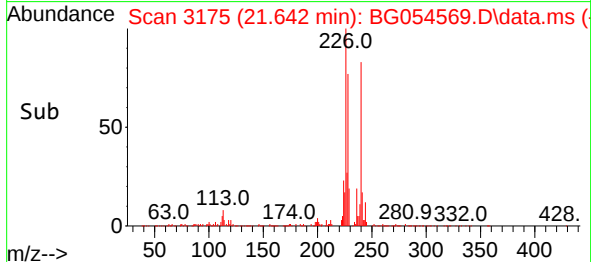
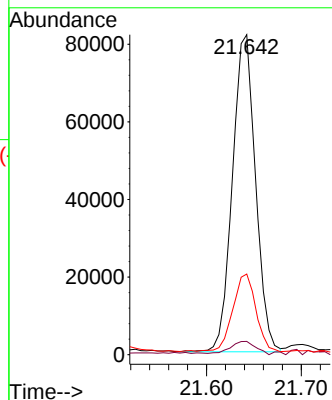
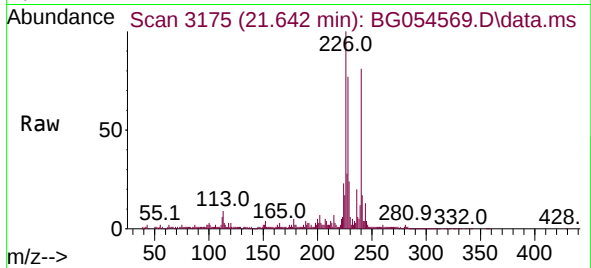




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3107
Delta R.T. 0.010 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

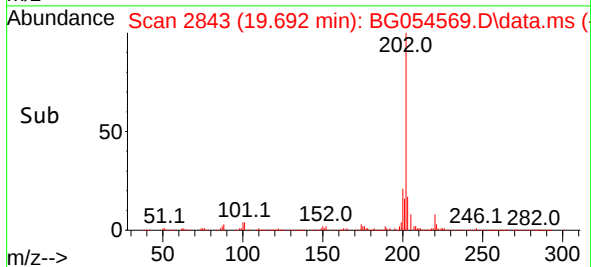
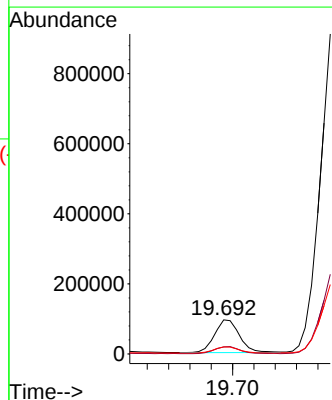
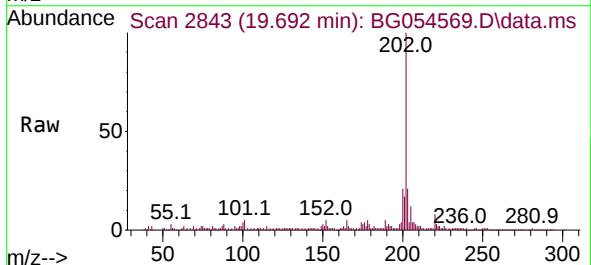
Instrument :
BNA_G
ClientSampleId :
P-5D

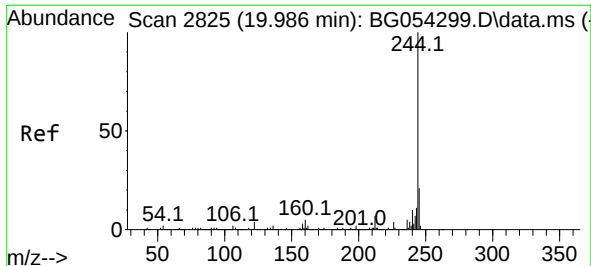
Tgt Ion:240 Resp: 138276
Ion Ratio Lower Upper
240 100
120 4.2 4.6 7.0#
236 25.2 20.2 30.4



#78
Pyrene
Concen: 19.039 ng
RT: 19.692 min Scan# 2843
Delta R.T. -0.090 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:202 Resp: 151058
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 20.8 14.6 21.8

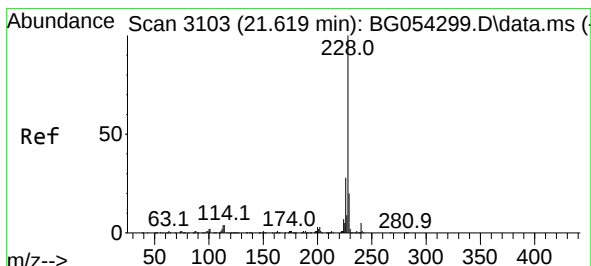
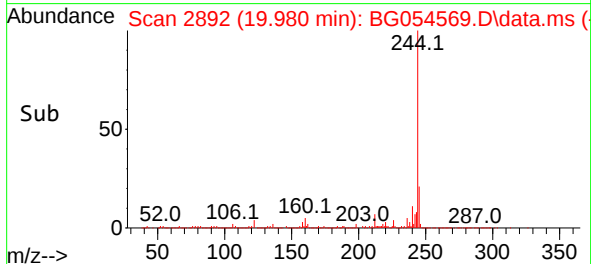
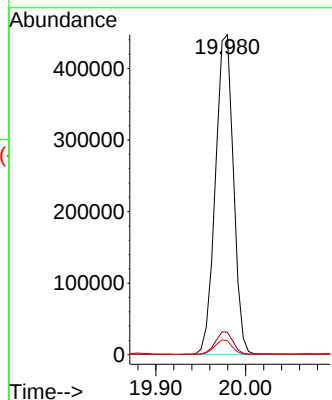
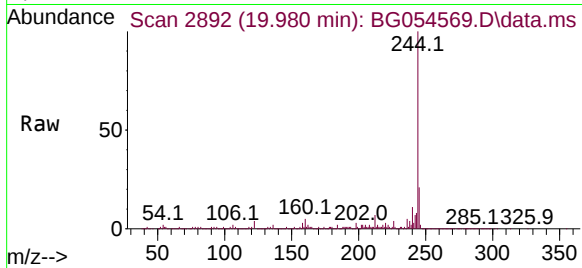




#79
 Terphenyl-d14
 Concen: 89.122 ng
 RT: 19.980 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

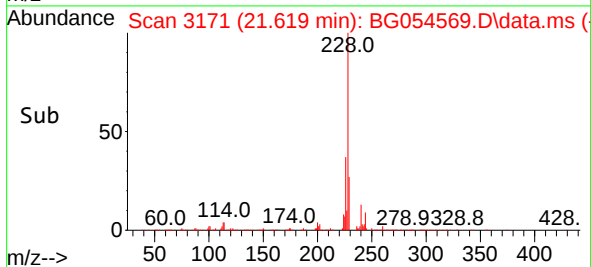
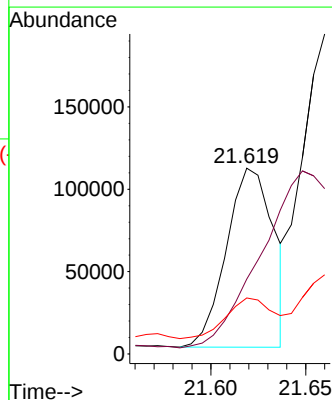
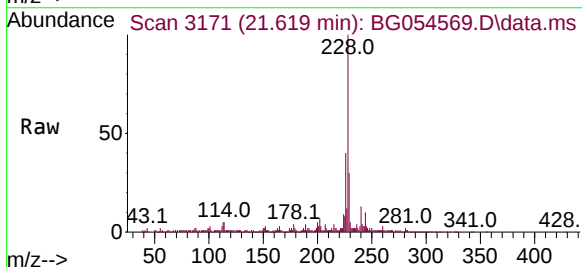
Instrument :
 BNA_G
 ClientSampleId :
 P-5D

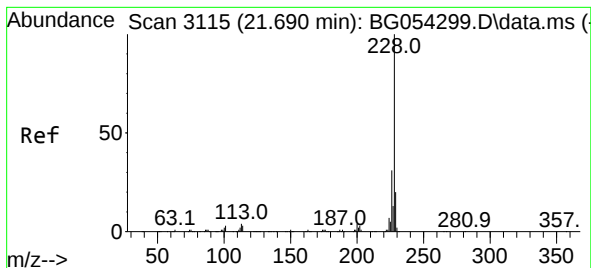
Tgt Ion:244 Resp: 621202
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 21.493 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.004 min
 Lab File: BG054569.D
 Acq: 9 Aug 2022 14:18

Tgt Ion:228 Resp: 188659
 Ion Ratio Lower Upper
 228 100
 226 40.3 21.6 32.4#
 229 30.1 16.2 24.2#





#83

Chrysene

Concen: 49.557 ng

RT: 21.660 min Scan# 3115

Delta R.T. -0.020 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Instrument :

BNA_G

ClientSampleId :

P-5D

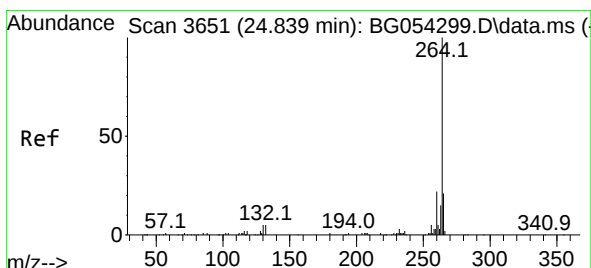
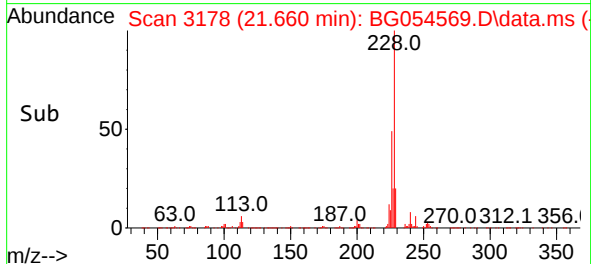
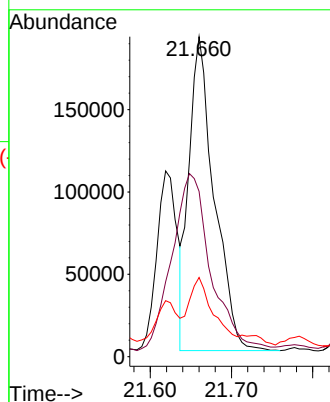
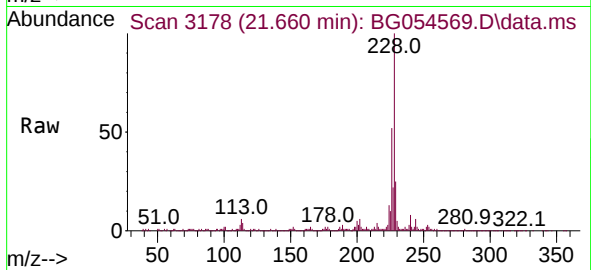
Tgt Ion:228 Resp: 410969

Ion Ratio Lower Upper

228 100

226 51.7 23.4 35.2#

229 24.8 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.862 min Scan# 3723

Delta R.T. 0.027 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

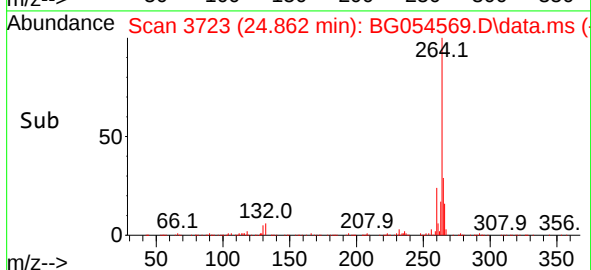
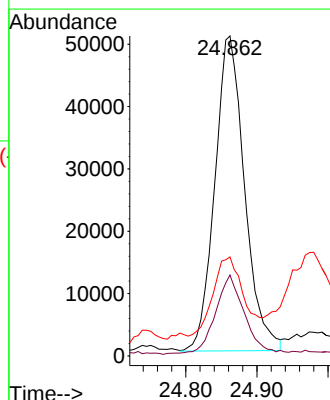
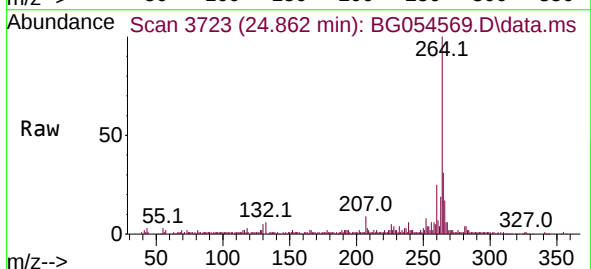
Tgt Ion:264 Resp: 147142

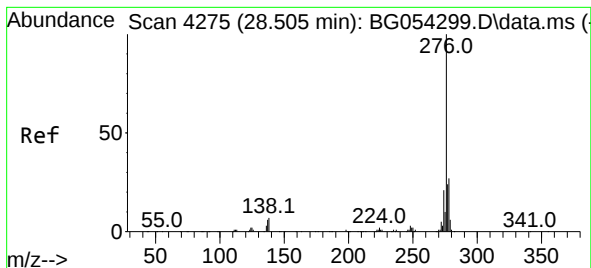
Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 31.0 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.757 ng

RT: 28.564 min Scan# 41

Delta R.T. 0.033 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Instrument :

BNA_G

ClientSampleId :

P-5D

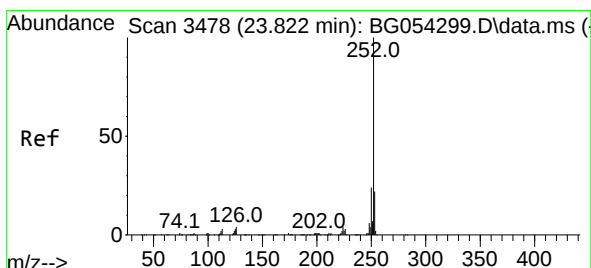
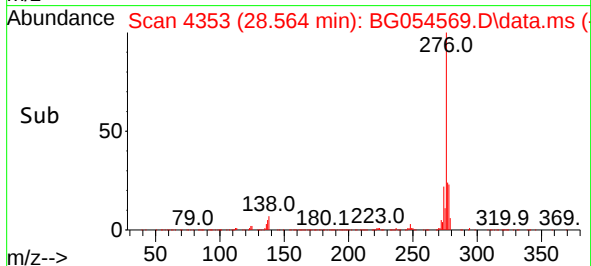
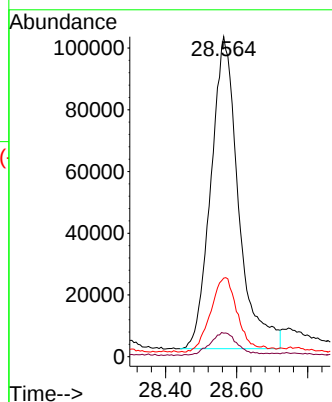
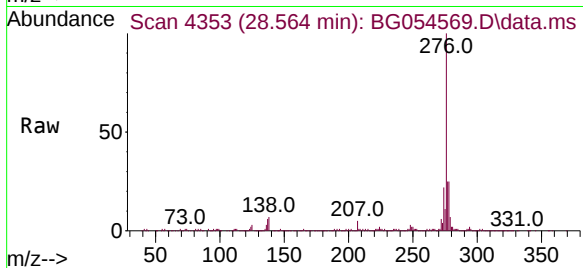
Tgt Ion:276 Resp: 545778

Ion Ratio Lower Upper

276 100

138 6.9 5.0 7.4

277 23.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.554 ng

RT: 24.098 min Scan# 3593

Delta R.T. 0.280 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

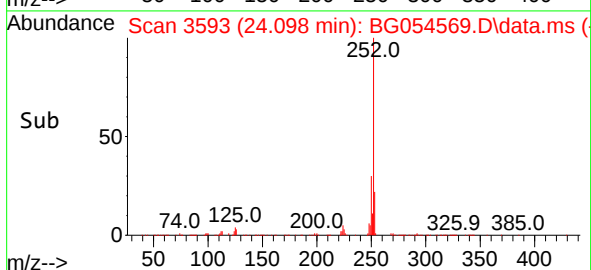
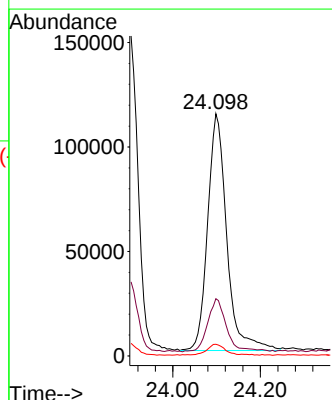
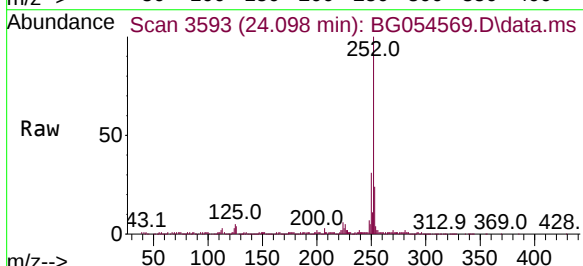
Tgt Ion:252 Resp: 344189

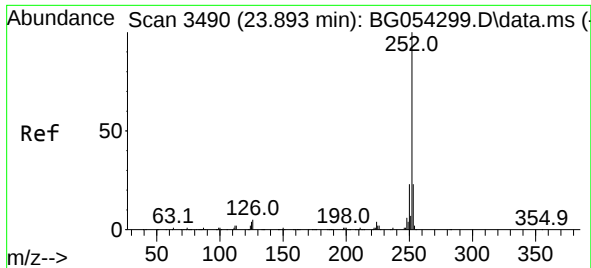
Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 4.8 4.6 6.8

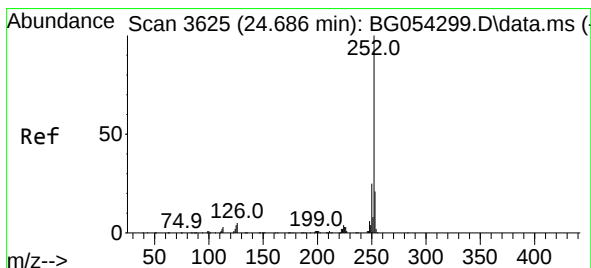
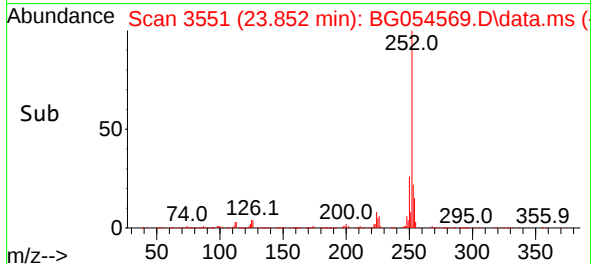
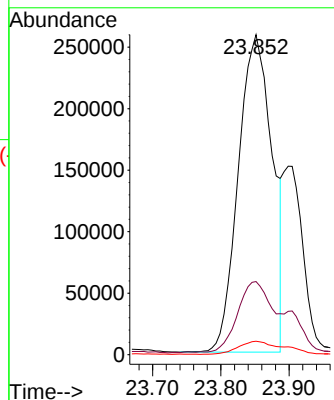
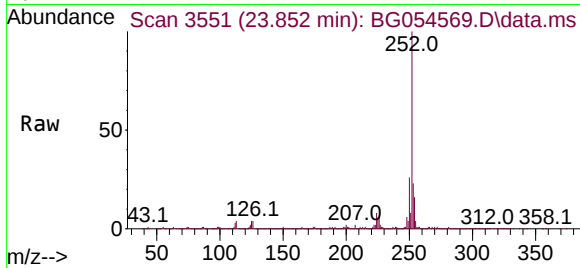




#89
Benzo(k)fluoranthene
Concen: 102.846 ng
RT: 23.852 min Scan# 31
Delta R.T. -0.032 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

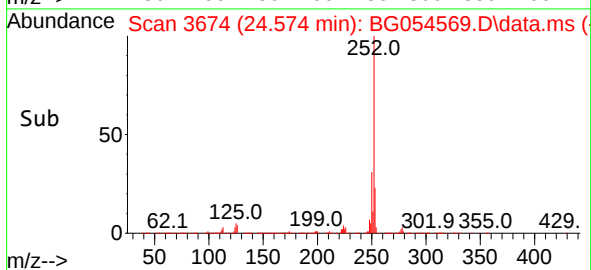
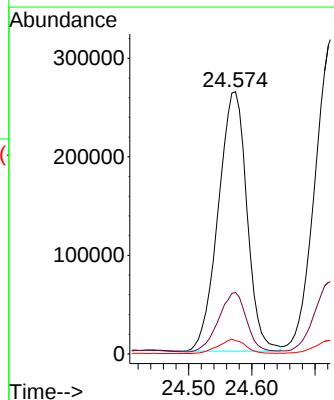
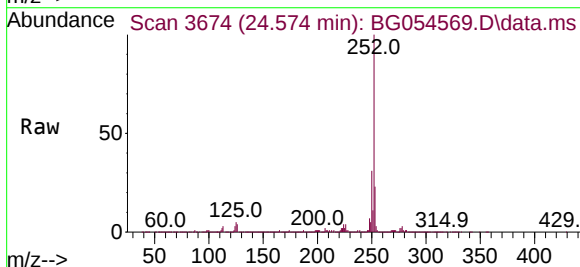
Instrument :
BNA_G
ClientSampleId :
P-5D

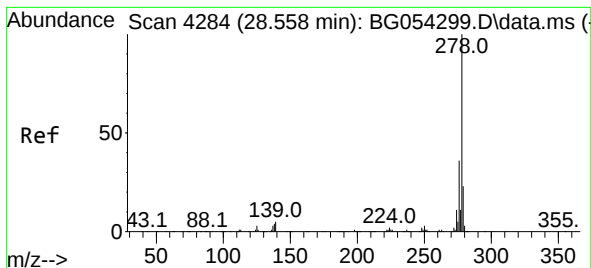
Tgt Ion:252 Resp: 890663
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 4.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 111.854 ng
RT: 24.574 min Scan# 3674
Delta R.T. -0.114 min
Lab File: BG054569.D
Acq: 9 Aug 2022 14:18

Tgt Ion:252 Resp: 831234
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 5.1 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 13.999 ng

RT: 28.575 min Scan# 41

Delta R.T. 0.004 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Instrument :

BNA_G

ClientSampleId :

P-5D

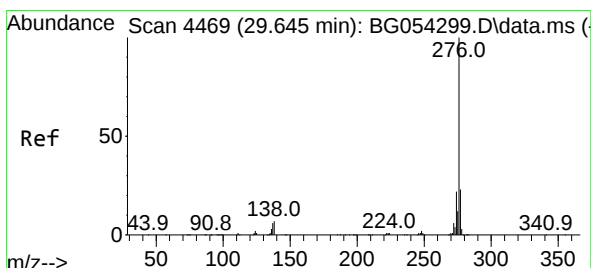
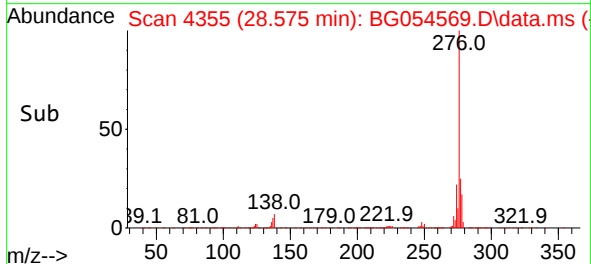
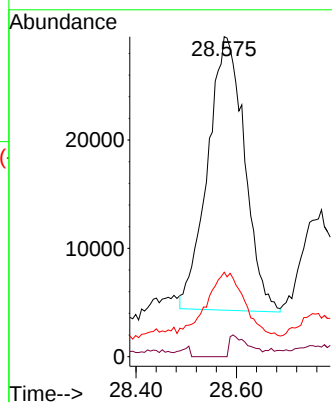
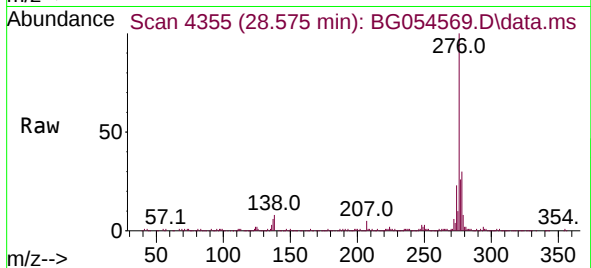
Tgt Ion:278 Resp: 128856

Ion Ratio Lower Upper

278 100

139 0.0 7.2 10.8#

279 26.4 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 61.664 ng

RT: 29.727 min Scan# 4551

Delta R.T. 0.051 min

Lab File: BG054569.D

Acq: 9 Aug 2022 14:18

Tgt Ion:276 Resp: 560192

Ion Ratio Lower Upper

276 100

277 23.8 17.3 25.9

138 7.8 9.6 14.4#

