

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
 Data File : BG055615.D
 Acq On : 14 Nov 2022 22:11
 Operator : CG/JU
 Sample : N5561-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05

Quant Time: Nov 15 01:06:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

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

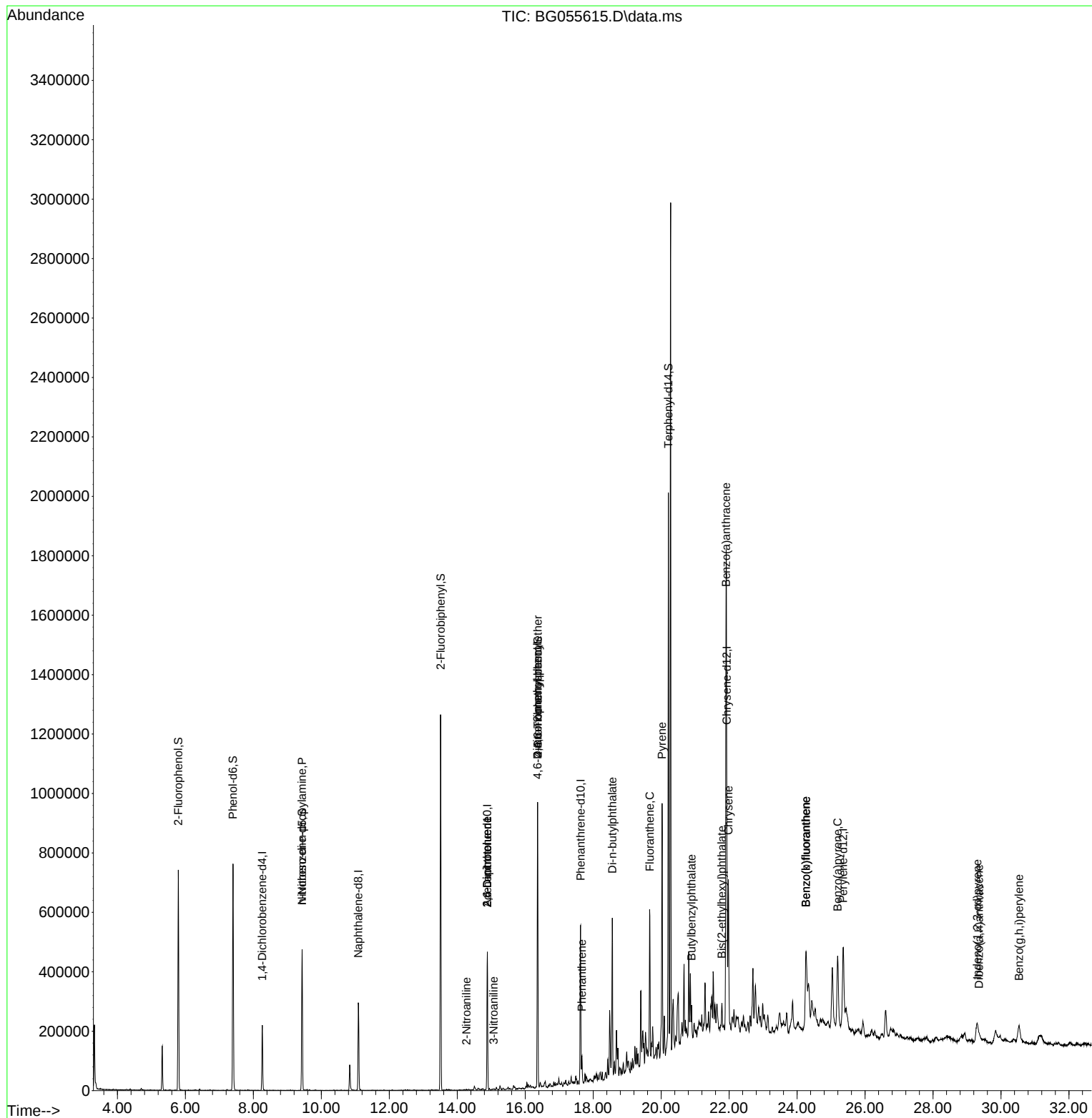
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	61225	20.000	ng	0.00
21) Naphthalene-d8	11.090	136	254614	20.000	ng	-0.01
39) Acenaphthene-d10	14.886	164	168438	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	354855	20.000	ng	0.00
76) Chrysene-d12	21.930	240	314838	20.000	ng	0.00
86) Perylene-d12	25.356	264	331594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	319354	99.352	ng	0.00
7) Phenol-d6	7.400	99	423106	95.292	ng	0.00
23) Nitrobenzene-d5	9.433	82	275291	73.297	ng	-0.01
42) 2,4,6-Tribromophenol	16.366	330	197427	120.129	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	661622	59.250	ng	0.00
79) Terphenyl-d14	20.215	244	924001	58.948	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.433	70	37209	10.140	ng	# 77
48) 2-Nitroaniline	14.275	65	291	3.896	ng	# 8
51) 2,6-Dinitrotoluene	14.886	165	22314	12.419	ng	# 22
53) 3-Nitroaniline	15.074	138	197	3.846	ng	# 1
57) 2,4-Dinitrotoluene	14.886	165	22314	10.565	ng	# 23
65) 4,6-Dinitro-2-methylph...	16.360	198	530	2.511	ng	# 1
67) 4-Bromophenyl-phenylether	16.366	248	13184	3.642	ng	# 1
71) Phenanthrene	17.671	178	56978	2.988	ng	100
74) Di-n-butylphthalate	18.564	149	375688	19.399	ng	99
75) Fluoranthene	19.668	202	298616	13.130	ng	99
78) Pyrene	20.027	202	525779	24.675	ng	98
80) Butylbenzylphthalate	20.896	149	24925	6.220	ng	# 95
81) Benzo(a)anthracene	21.907	228	356673	16.539	ng	98
83) Chrysene	21.977	228	388769	18.959	ng	99
84) Bis(2-ethylhexyl)phtha...	21.789	149	25961	2.414	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.304	276	153338	6.071	ng	95
88) Benzo(b)fluoranthene	24.263	252	373335	17.769	ng	99
89) Benzo(k)fluoranthene	24.263	252	373335	17.381	ng	99
90) Benzo(a)pyrene	25.191	252	345620	19.097	ng	100
91) Dibenzo(a,h)anthracene	29.357	278	42336	2.025	ng	# 91
92) Benzo(g,h,i)perylene	30.532	276	167008	8.172	ng	97

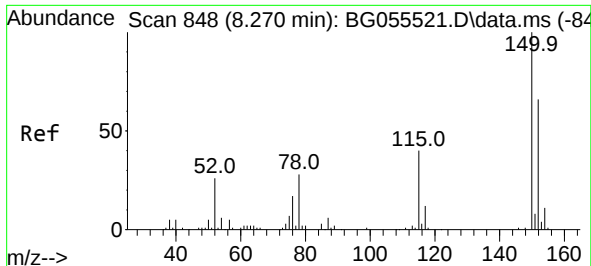
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
Data File : BG055615.D
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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Nov 15 01:06:51 2022
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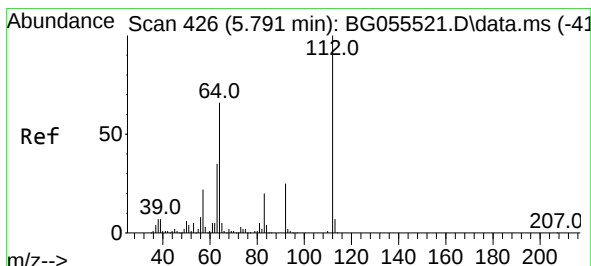
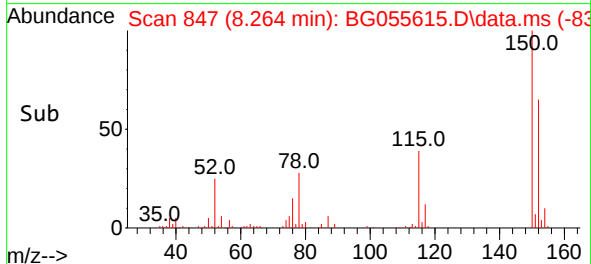
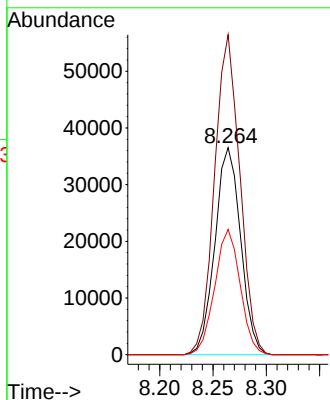
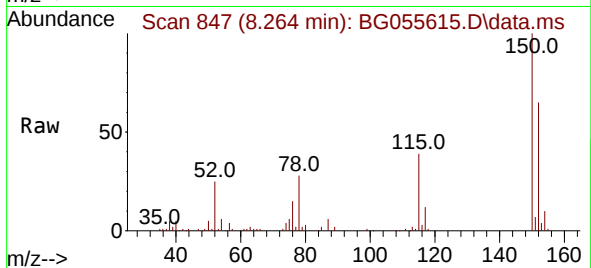




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 848
Delta R.T. -0.006 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

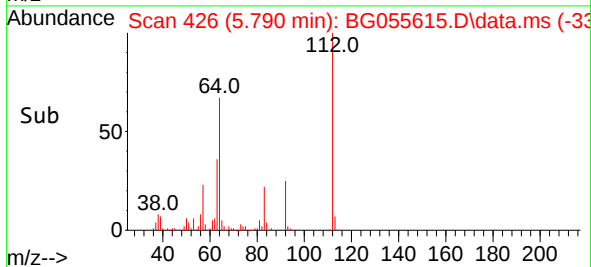
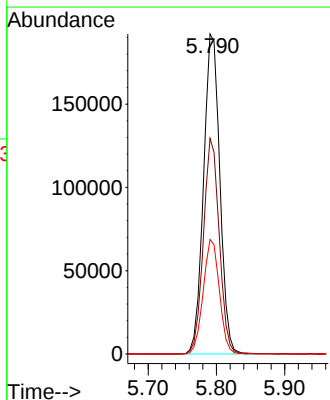
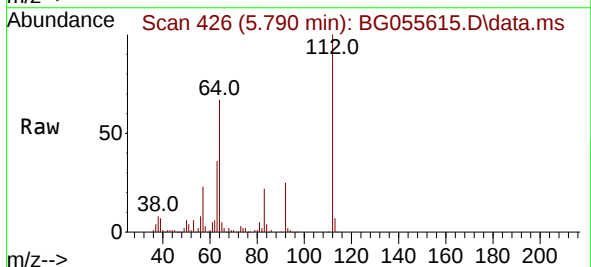
Instrument :
BNA_G
ClientSampleId :
SB-05

Tgt Ion:152 Resp: 61225
Ion Ratio Lower Upper
152 100
150 154.6 121.0 181.4
115 60.5 47.8 71.8



#5
2-Fluorophenol
Concen: 99.352 ng
RT: 5.790 min Scan# 426
Delta R.T. -0.001 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:112 Resp: 319354
Ion Ratio Lower Upper
112 100
64 67.3 52.6 78.8
63 35.8 28.3 42.5

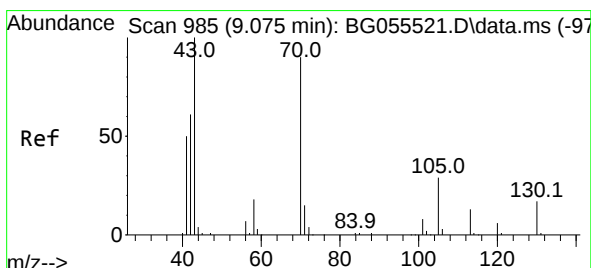
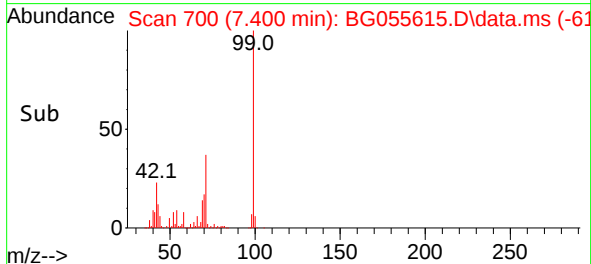
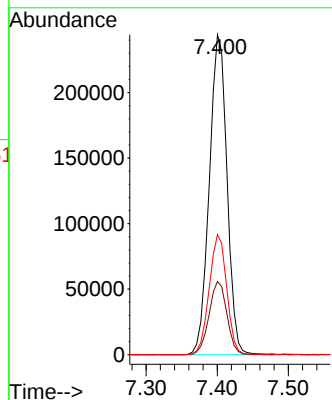
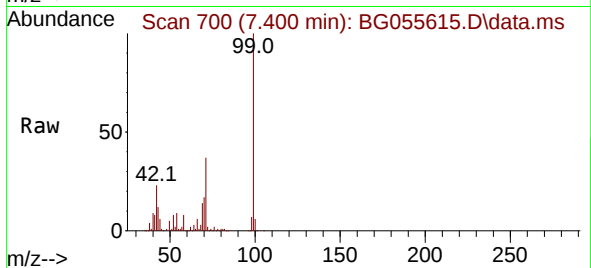




#7
Phenol-d6
Concen: 95.292 ng
RT: 7.400 min Scan# 700
Delta R.T. -0.001 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

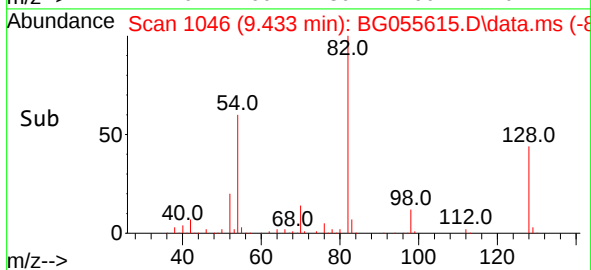
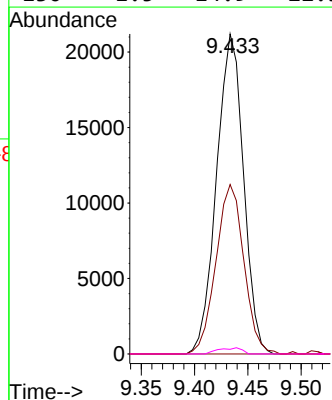
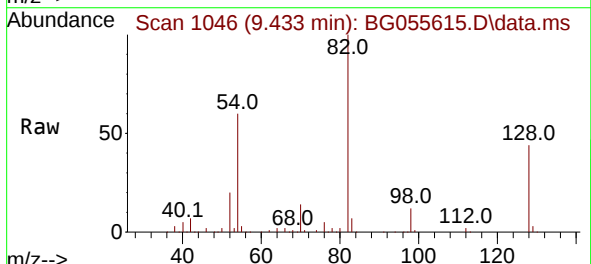
Instrument :
BNA_G
ClientSampleId :
SB-05

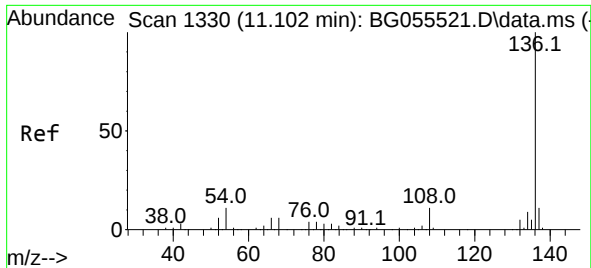
Tgt Ion: 99 Resp: 423106
Ion Ratio Lower Upper
99 100
42 22.9 17.5 26.3
71 37.5 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.140 ng
RT: 9.433 min Scan# 1046
Delta R.T. 0.358 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion: 70 Resp: 37209
Ion Ratio Lower Upper
70 100
42 52.9 54.8 82.2#
101 0.0 6.8 10.2#
130 1.5 14.9 22.3#

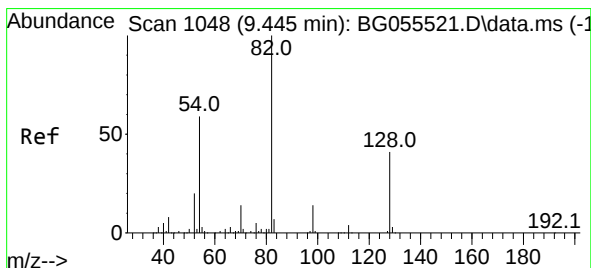
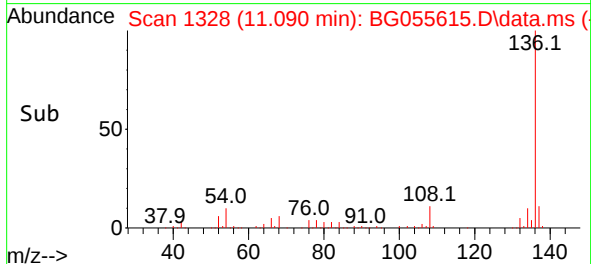
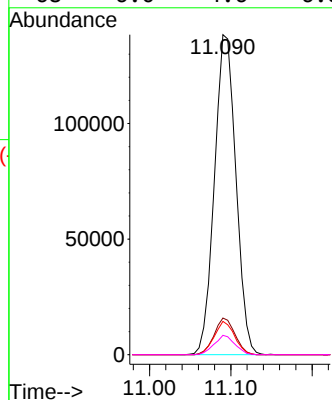
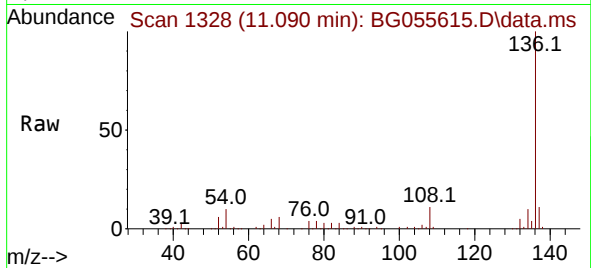




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.090 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

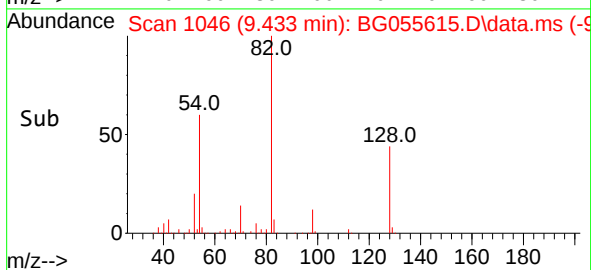
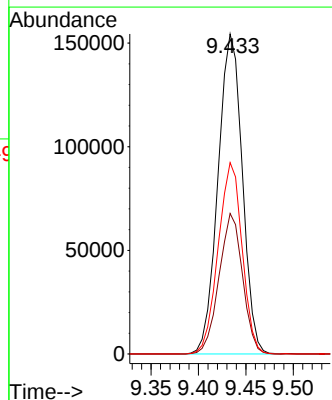
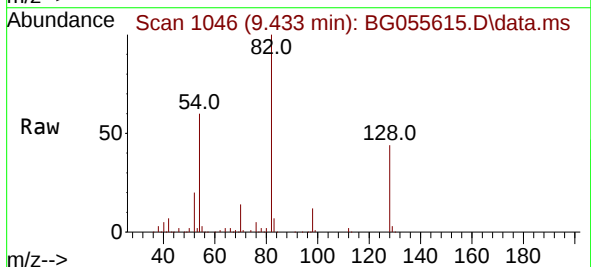
Instrument :
BNA_G
ClientSampleId :
SB-05

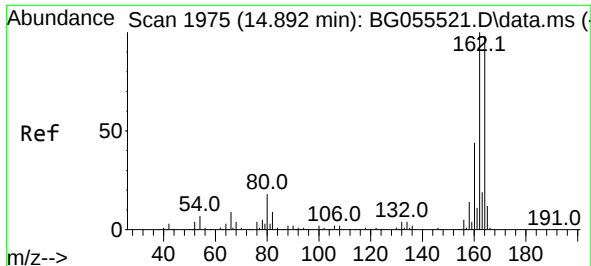
Tgt Ion:136 Resp: 254614
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 10.4 8.6 12.8
68 6.0 4.6 6.8



#23
Nitrobenzene-d5
Concen: 73.297 ng
RT: 9.433 min Scan# 1046
Delta R.T. -0.012 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion: 82 Resp: 275291
Ion Ratio Lower Upper
82 100
128 43.9 32.6 49.0
54 59.8 47.3 70.9

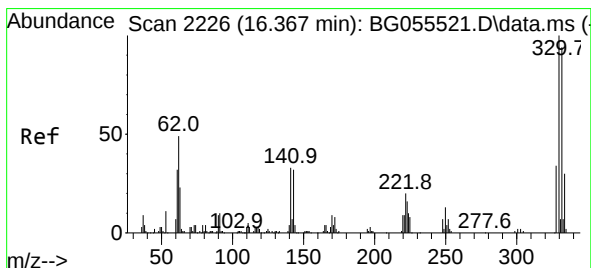
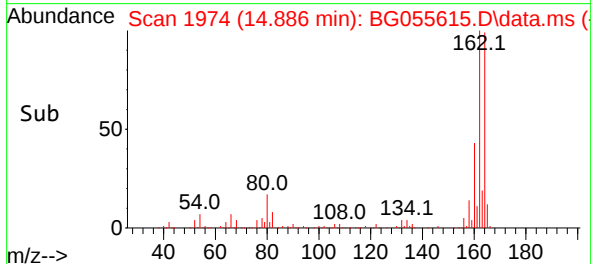
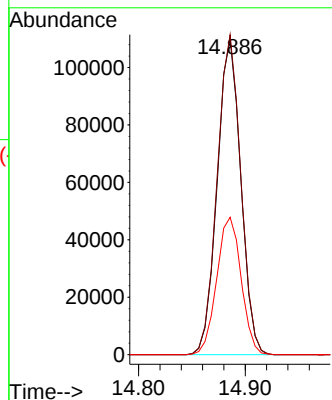
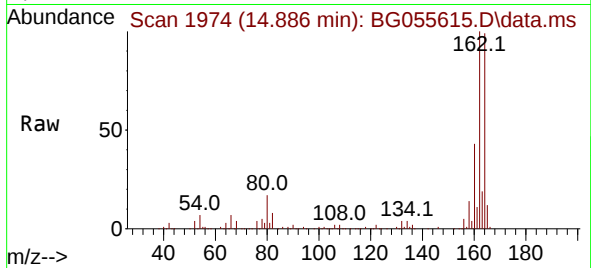




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

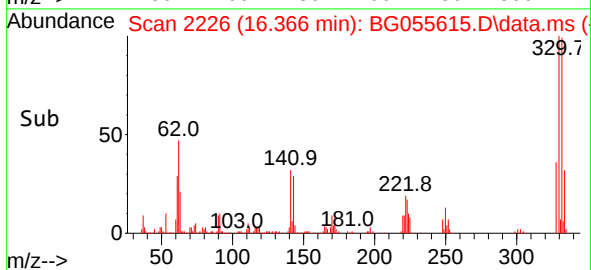
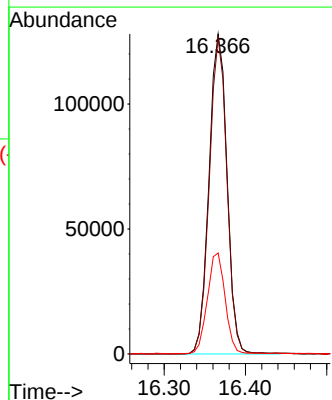
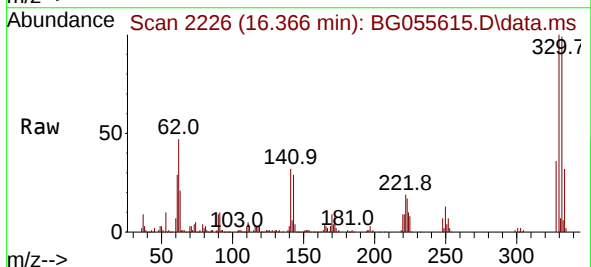
Instrument :
BNA_G
ClientSampleId :
SB-05

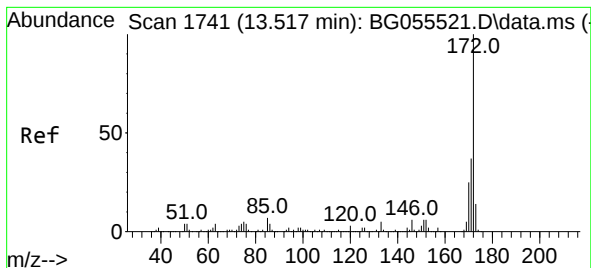
Tgt Ion:164 Resp: 168438
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 43.6 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 120.129 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:330 Resp: 197427
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 31.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 59.250 ng

RT: 13.511 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

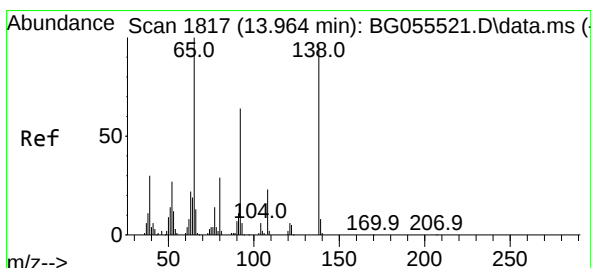
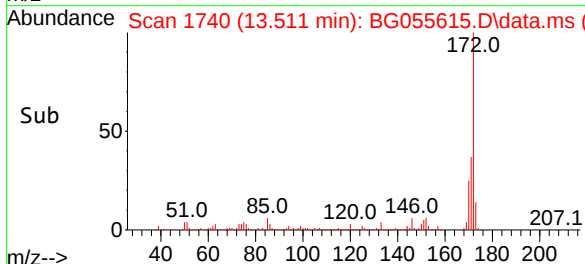
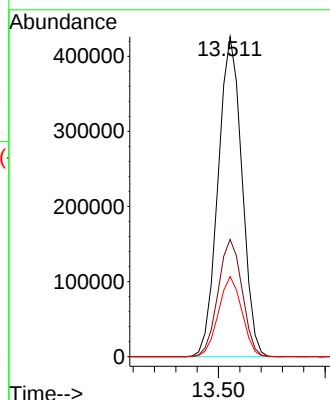
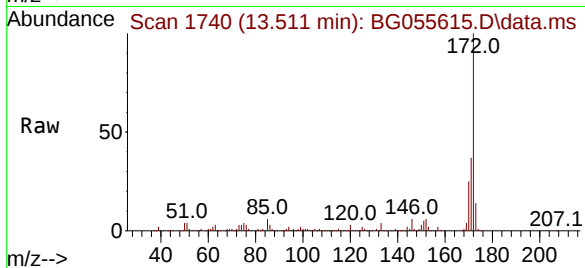
Tgt Ion:172 Resp: 661622

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

170 25.1 19.8 29.6



#48

2-Nitroaniline

Concen: 3.896 ng

RT: 14.275 min Scan# 1870

Delta R.T. 0.311 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

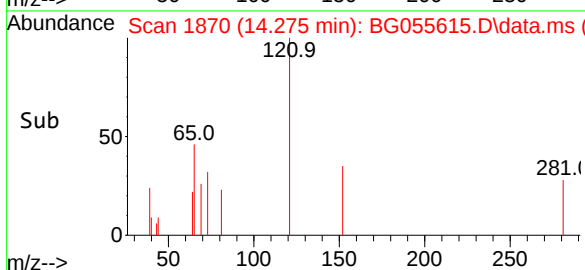
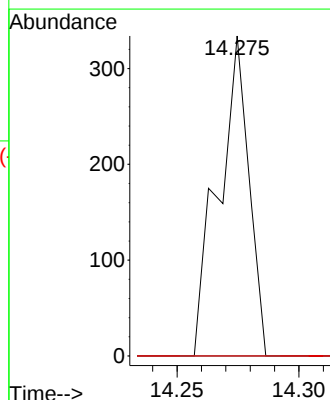
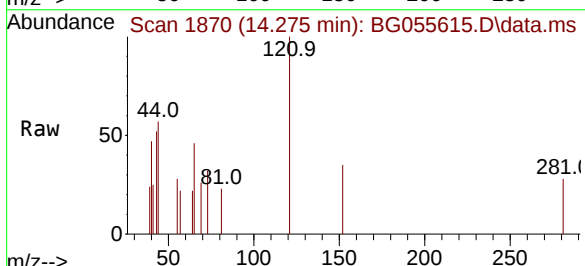
Tgt Ion: 65 Resp: 291

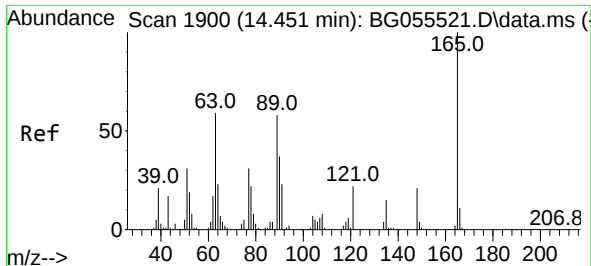
Ion Ratio Lower Upper

65 100

92 0.0 51.6 77.4#

138 0.0 77.0 115.4#

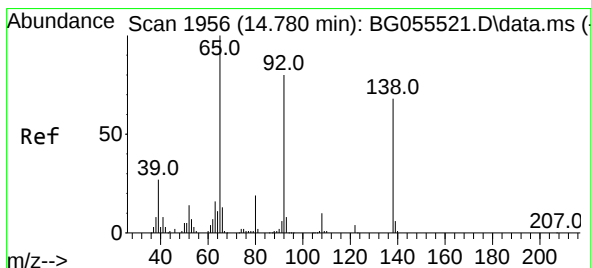
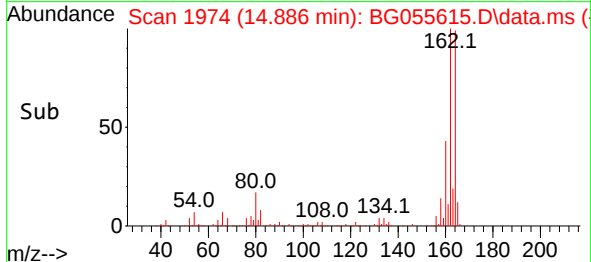
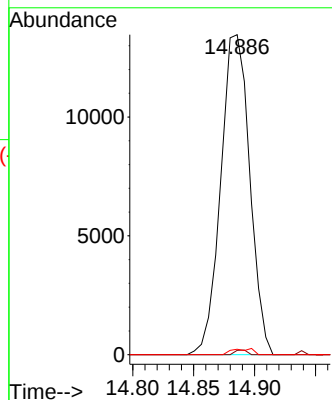
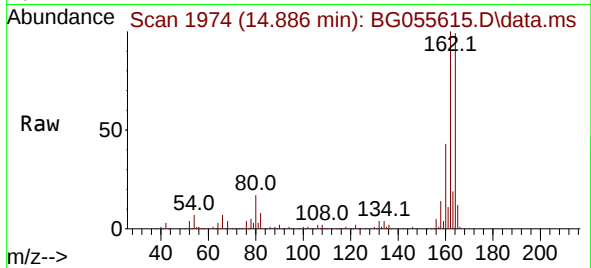




#51
2,6-Dinitrotoluene
Concen: 12.419 ng
RT: 14.886 min Scan# 14
Delta R.T. 0.435 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

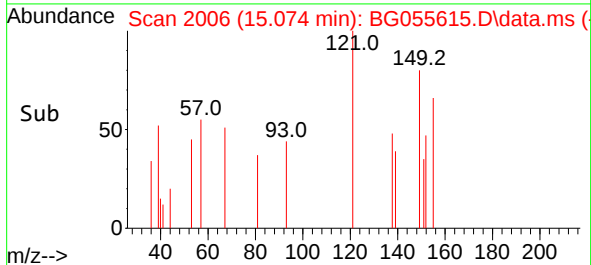
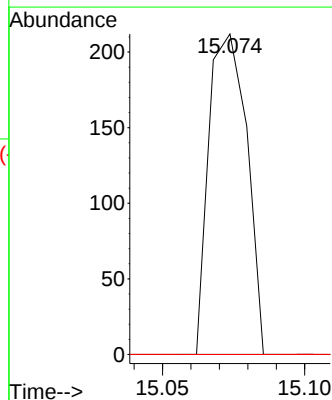
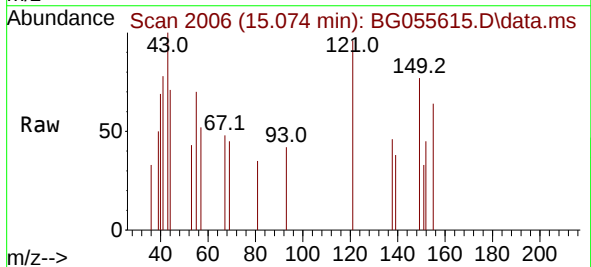
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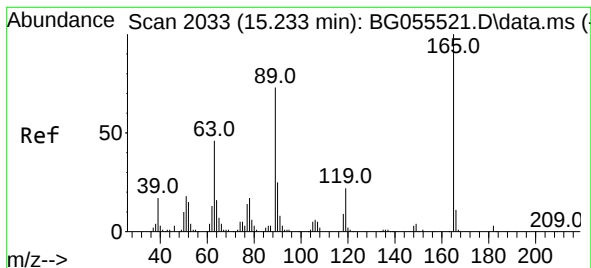
Tgt Ion:165 Resp: 22314
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.7 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.846 ng
RT: 15.074 min Scan# 2006
Delta R.T. 0.294 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:138 Resp: 197
Ion Ratio Lower Upper
138 100
108 0.0 11.7 17.5#
92 0.0 94.3 141.5#

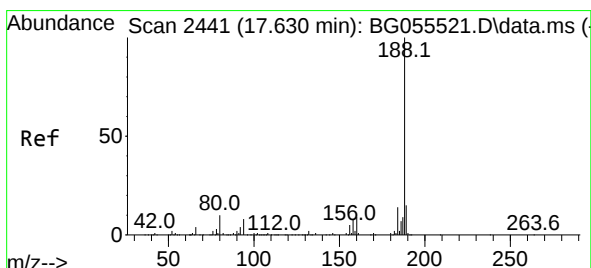
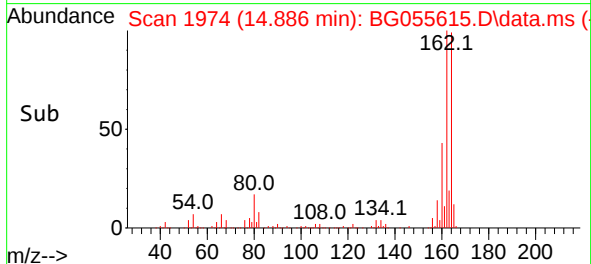
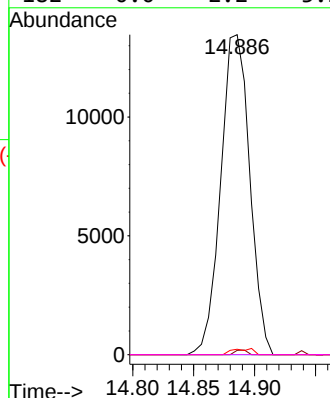
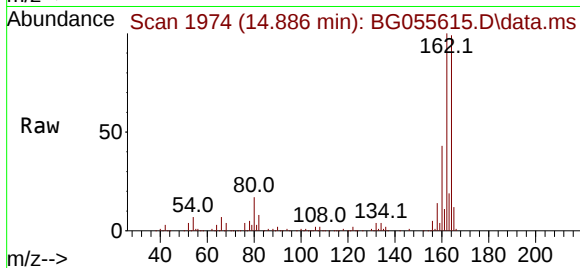




#57
2,4-Dinitrotoluene
Concen: 10.565 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.347 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

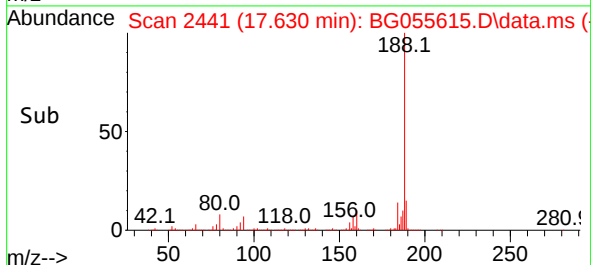
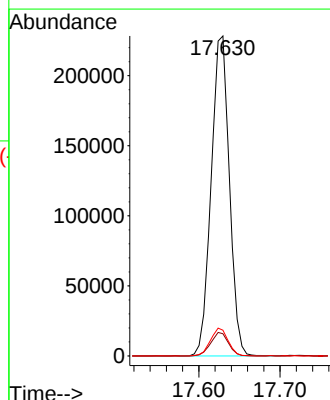
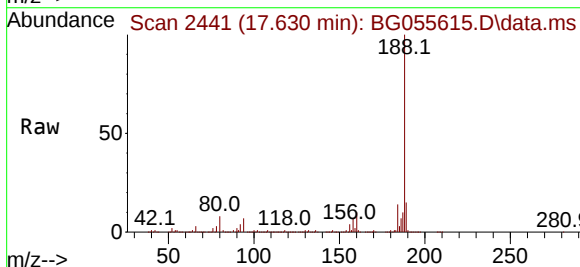
Instrument :
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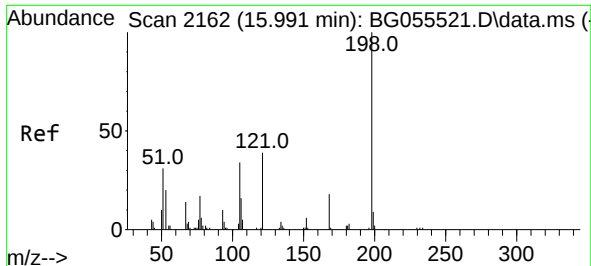
Tgt Ion:165 Resp: 22314
Ion Ratio Lower Upper
165 100
63 1.4 37.0 55.4#
89 1.7 58.6 87.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:188 Resp: 354855
Ion Ratio Lower Upper
188 100
94 7.0 6.4 9.6
80 8.1 7.6 11.4

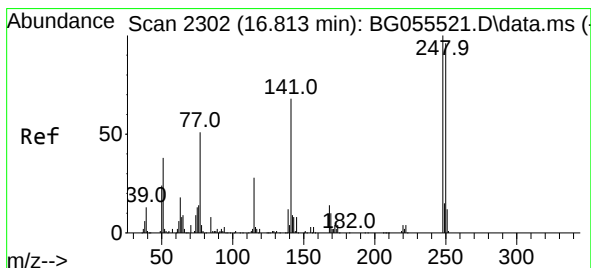
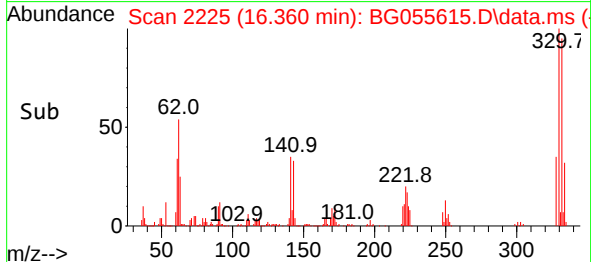
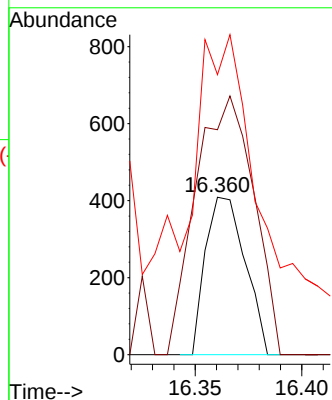
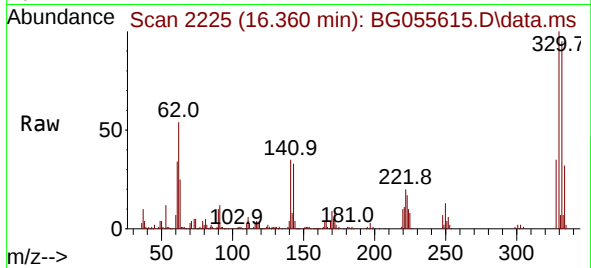




#65
4,6-Dinitro-2-methylphenol
Concen: 2.511 ng
RT: 16.360 min Scan# 2162
Delta R.T. 0.369 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

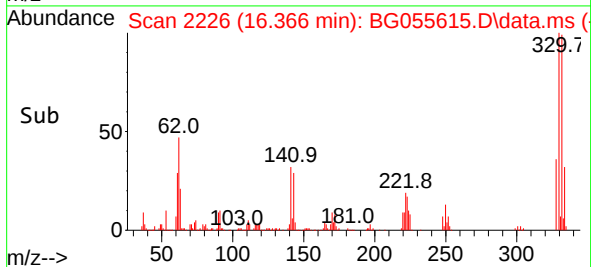
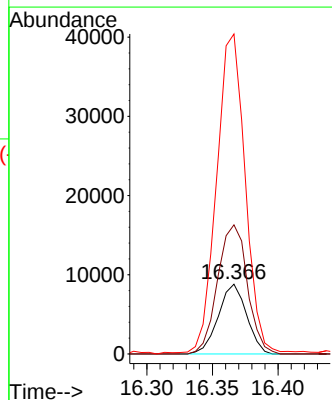
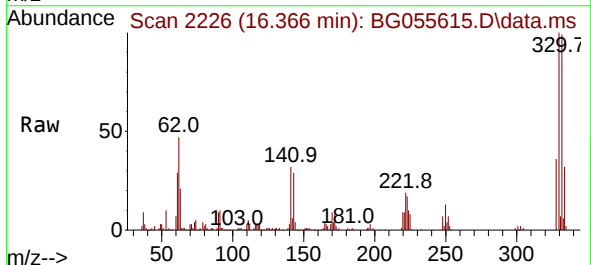
Instrument :
BNA_G
ClientSampleId :
SB-05

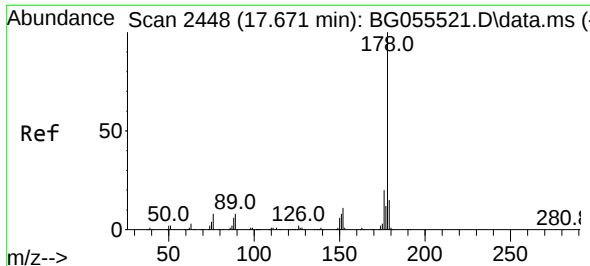
Tgt Ion:198 Resp: 530
Ion Ratio Lower Upper
198 100
51 142.8 24.7 64.7#
105 177.8 17.6 57.6#



#67
4-Bromophenyl-phenylether
Concen: 3.642 ng
RT: 16.366 min Scan# 2226
Delta R.T. -0.447 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:248 Resp: 13184
Ion Ratio Lower Upper
248 100
250 185.3 76.9 115.3#
141 459.0 54.3 81.5#

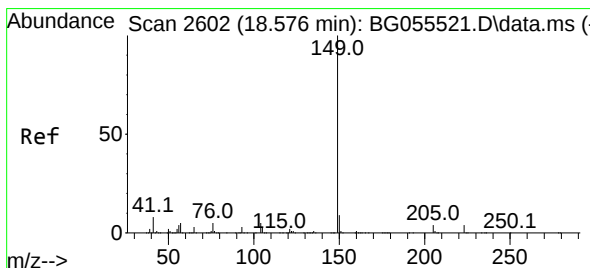
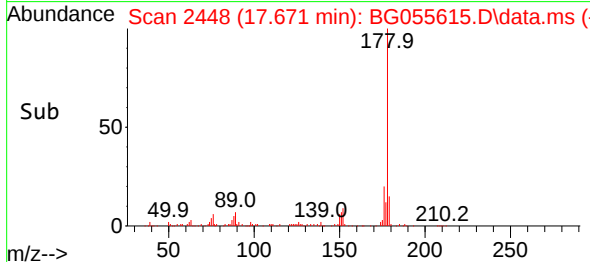
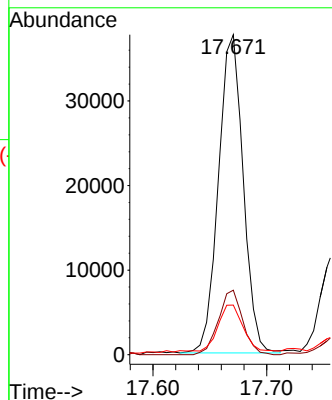
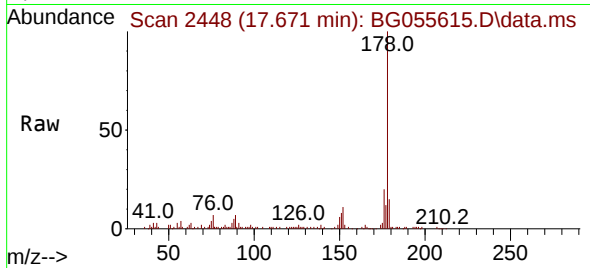




#71
Phenanthrene
Concen: 2.988 ng
RT: 17.671 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

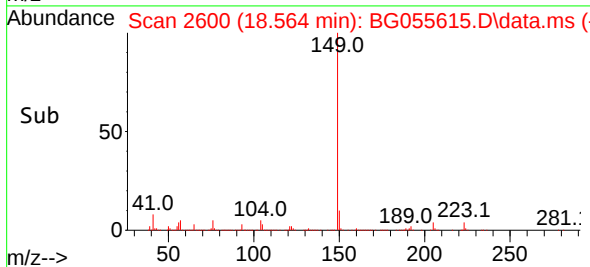
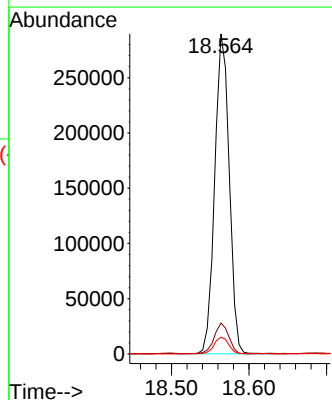
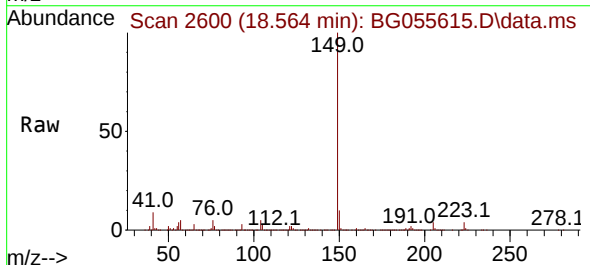
Instrument :
BNA_G
ClientSampleId :
SB-05

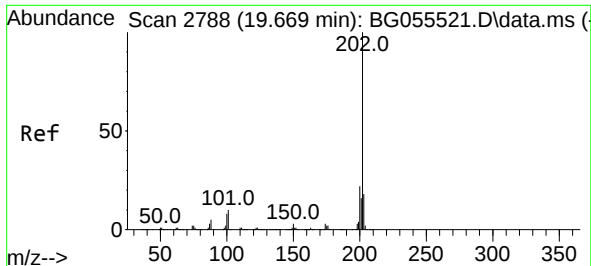
Tgt Ion:178 Resp: 56978
Ion Ratio Lower Upper
178 100
176 20.1 16.1 24.1
179 15.5 12.2 18.4



#74
Di-n-butylphthalate
Concen: 19.399 ng
RT: 18.564 min Scan# 2600
Delta R.T. -0.012 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:149 Resp: 375688
Ion Ratio Lower Upper
149 100
150 9.7 7.5 11.3
104 5.2 4.2 6.4

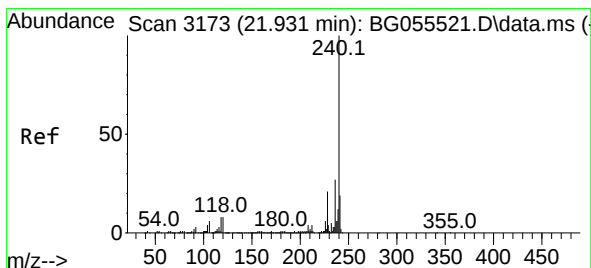
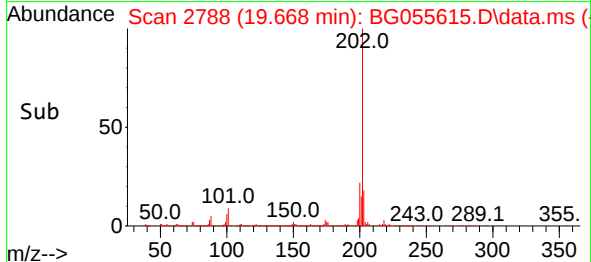
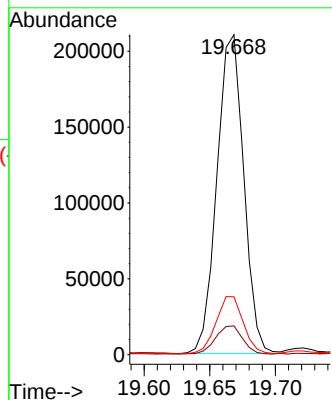
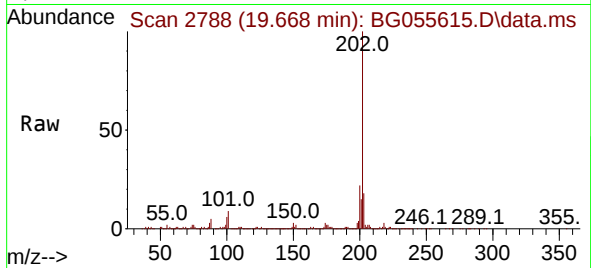




#75
Fluoranthene
Concen: 13.130 ng
RT: 19.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

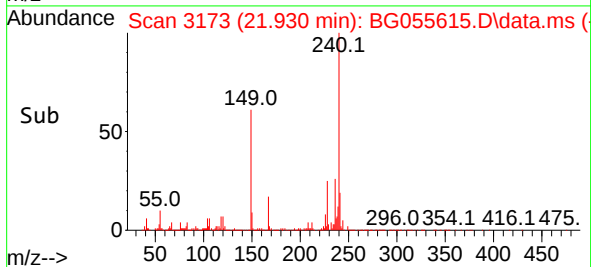
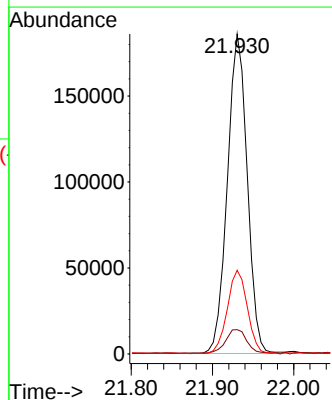
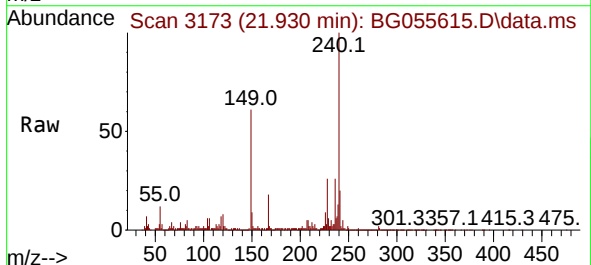
Instrument :
BNA_G
ClientSampleId :
SB-05

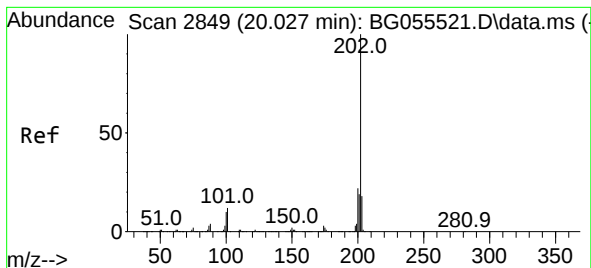
Tgt Ion:202 Resp: 298616
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.8
203 18.1 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.930 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:240 Resp: 314838
Ion Ratio Lower Upper
240 100
120 7.6 6.1 9.1
236 26.1 21.4 32.0





#78

Pyrene

Concen: 24.675 ng

RT: 20.027 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

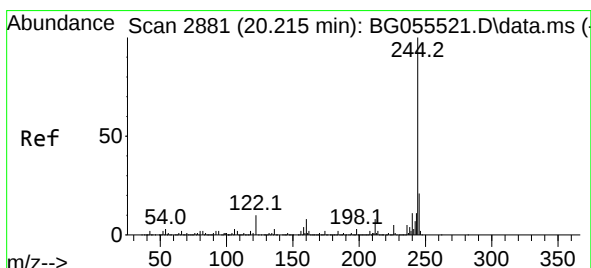
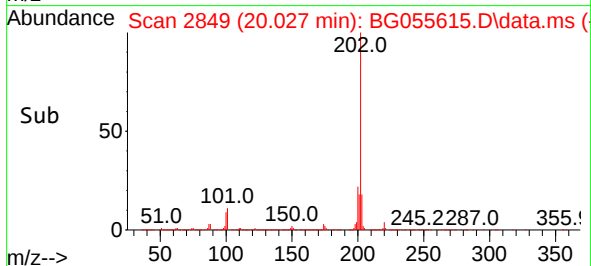
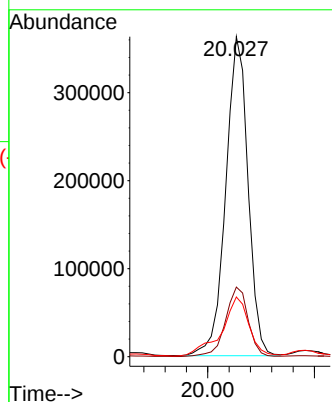
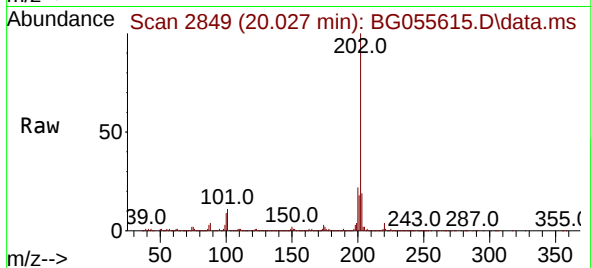
Tgt Ion:202 Resp: 525779

Ion Ratio Lower Upper

202 100

200 21.7 18.0 27.0

203 18.6 14.2 21.2



#79

Terphenyl-d14

Concen: 58.948 ng

RT: 20.215 min Scan# 2881

Delta R.T. -0.000 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

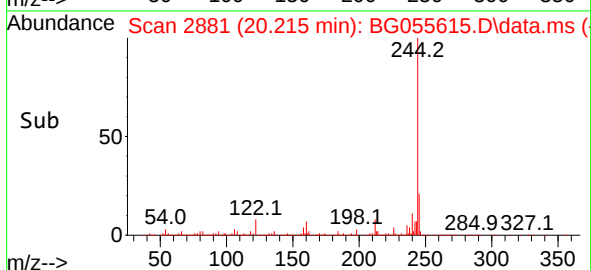
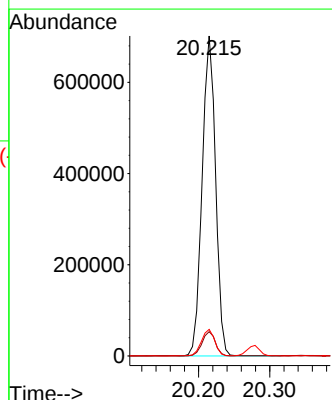
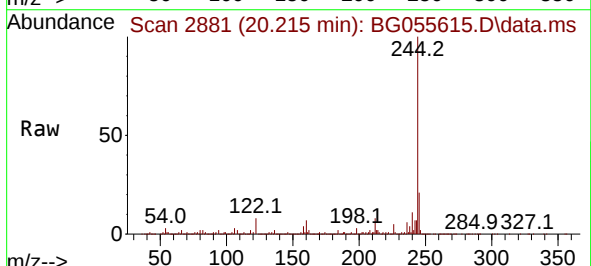
Tgt Ion:244 Resp: 924001

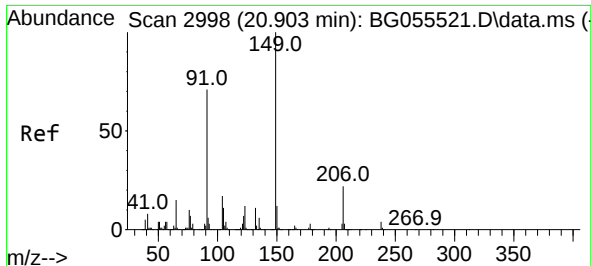
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 8.3 7.7 11.5

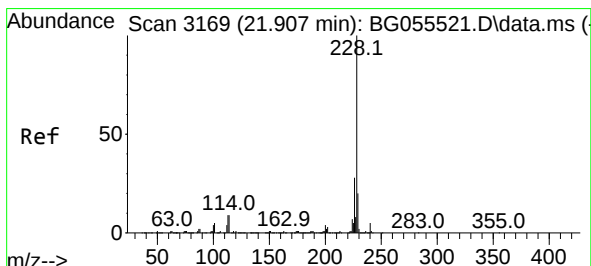
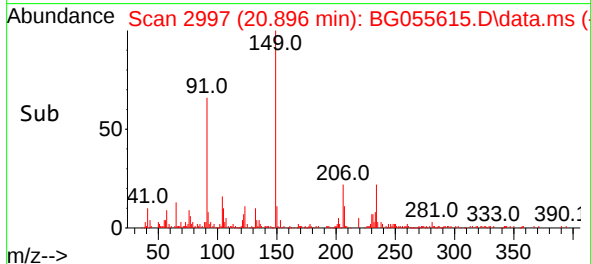
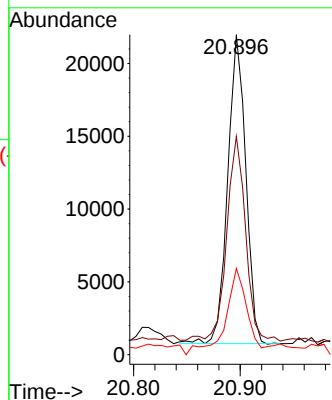
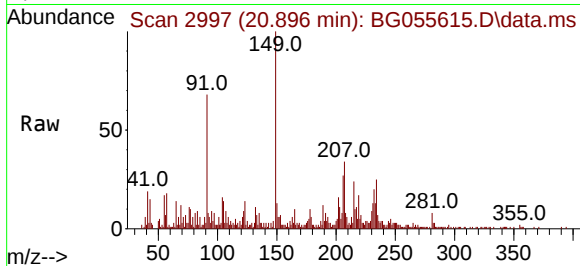




#80
Butylbenzylphthalate
Concen: 6.220 ng
RT: 20.896 min Scan# 2997
Delta R.T. -0.007 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

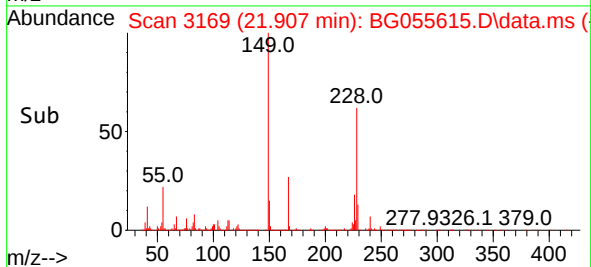
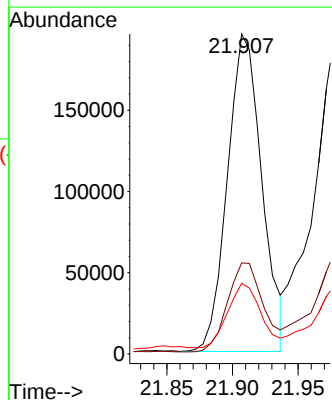
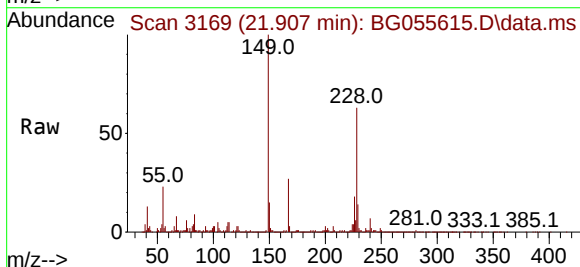
Instrument :
BNA_G
ClientSampleId :
SB-05

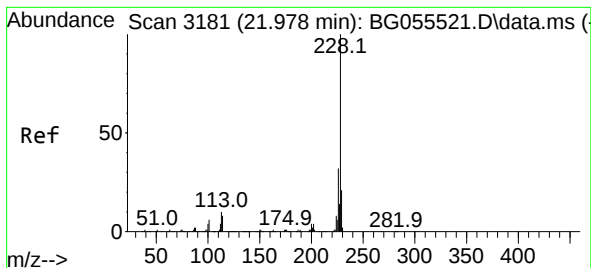
Tgt Ion:149 Resp: 24925
Ion Ratio Lower Upper
149 100
91 68.2 56.8 85.2
206 27.0 17.3 25.9#



#81
Benzo(a)anthracene
Concen: 16.539 ng
RT: 21.907 min Scan# 3169
Delta R.T. -0.000 min
Lab File: BG055615.D
Acq: 14 Nov 2022 22:11

Tgt Ion:228 Resp: 356673
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 22.1 16.1 24.1





#83

Chrysene

Concen: 18.959 ng

RT: 21.977 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

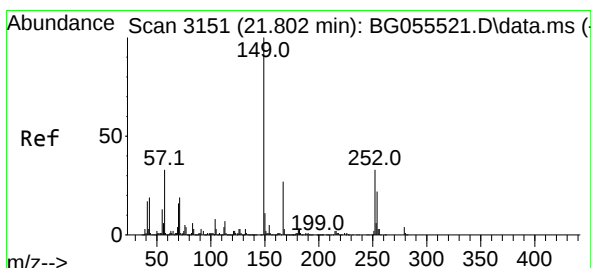
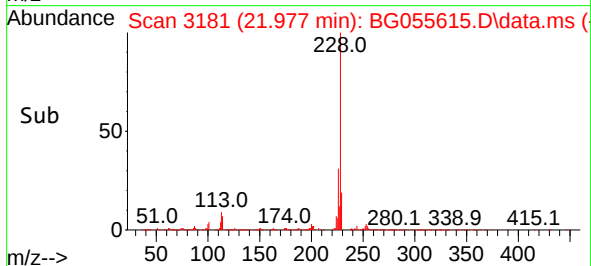
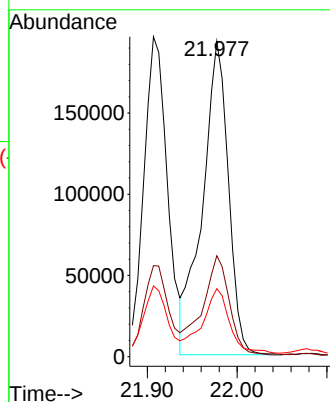
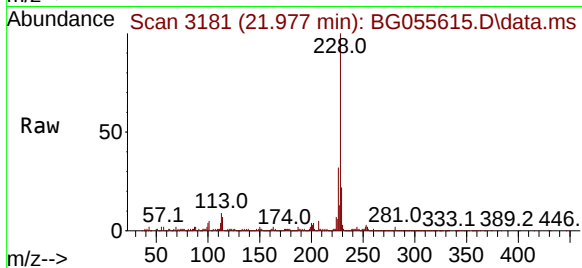
Tgt Ion:228 Resp: 388769

Ion Ratio Lower Upper

228 100

226 32.0 25.7 38.5

229 21.6 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.414 ng

RT: 21.789 min Scan# 3149

Delta R.T. -0.013 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

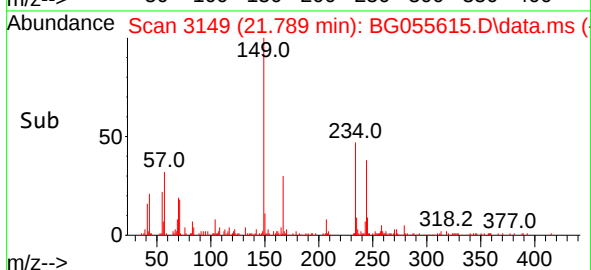
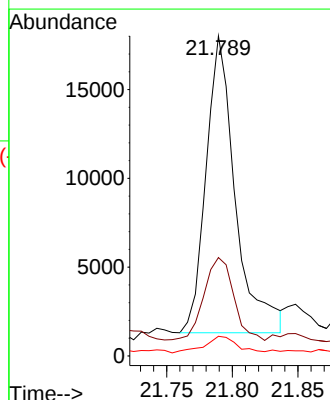
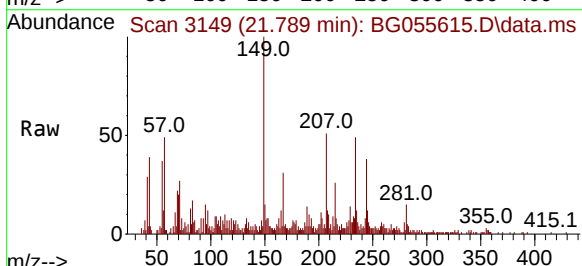
Tgt Ion:149 Resp: 25961

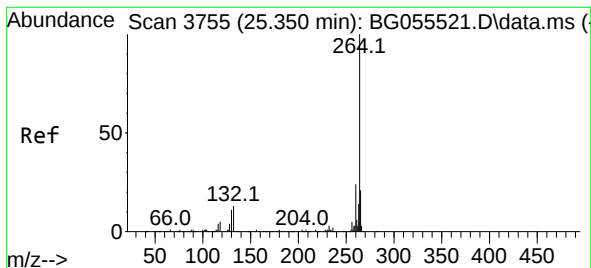
Ion Ratio Lower Upper

149 100

167 30.8 21.4 32.2

279 6.2 3.4 5.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.356 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

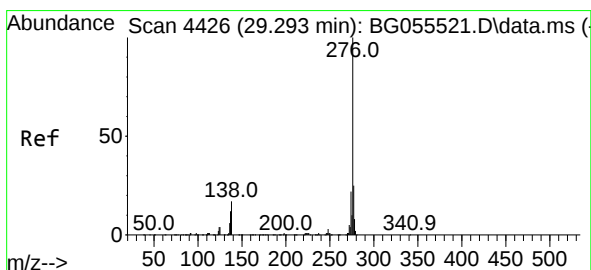
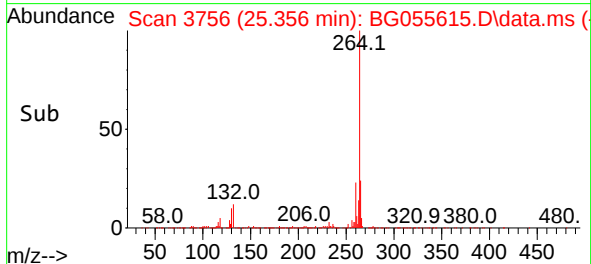
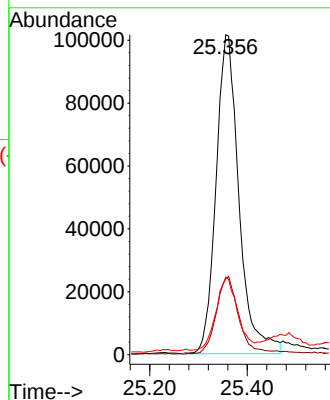
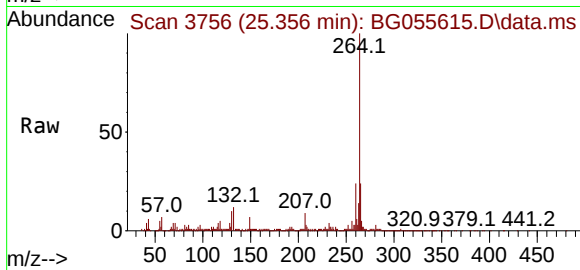
Tgt Ion:264 Resp: 331594

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 24.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.071 ng

RT: 29.304 min Scan# 4428

Delta R.T. 0.011 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

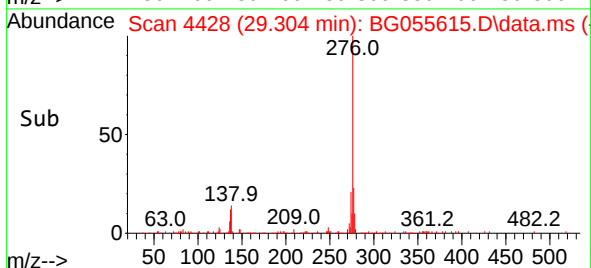
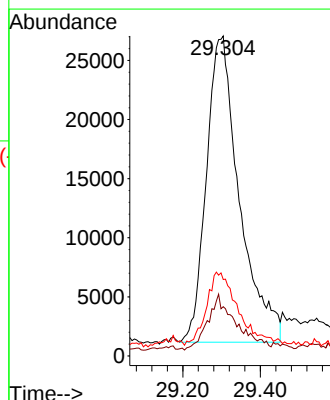
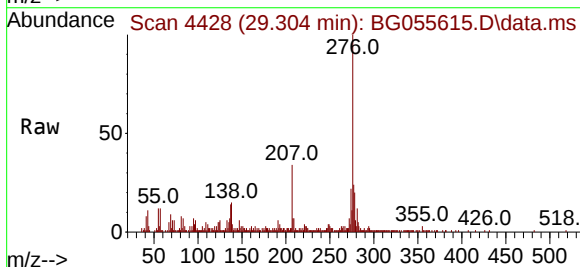
Tgt Ion:276 Resp: 153338

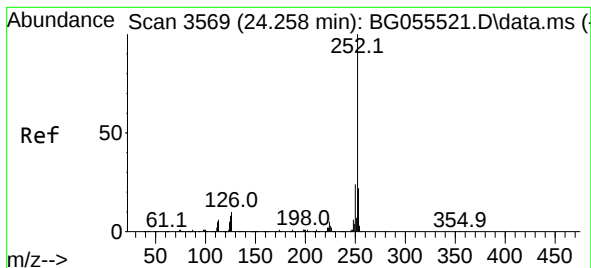
Ion Ratio Lower Upper

276 100

138 15.7 11.5 17.3

277 22.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 17.769 ng

RT: 24.263 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

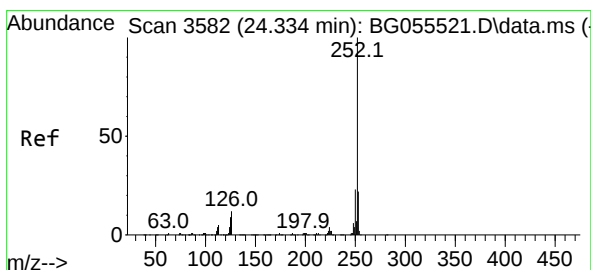
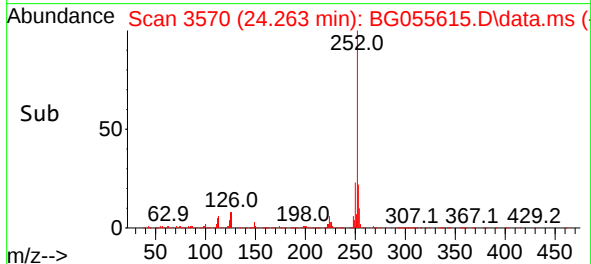
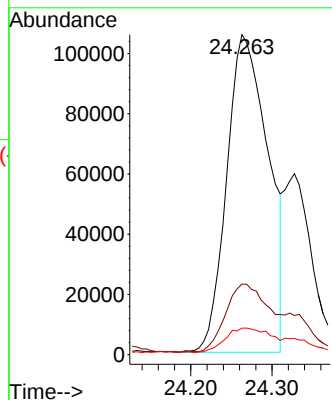
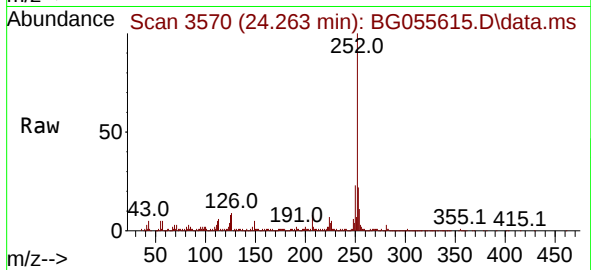
Tgt Ion:252 Resp: 373335

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 8.3 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 17.381 ng

RT: 24.263 min Scan# 3570

Delta R.T. -0.071 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

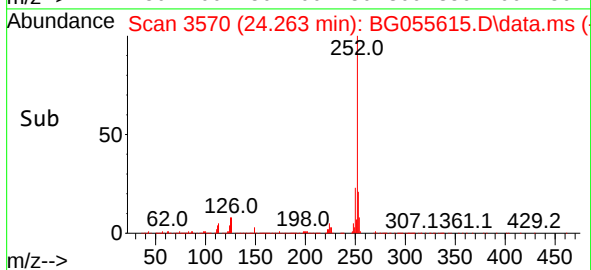
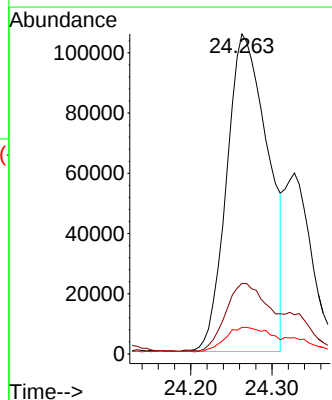
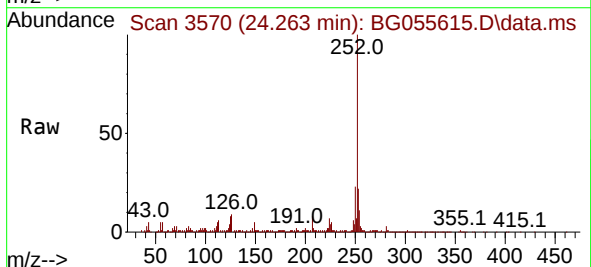
Tgt Ion:252 Resp: 373335

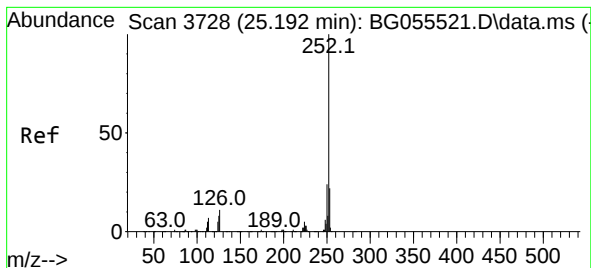
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 8.3 6.9 10.3





#90

Benzo(a)pyrene

Concen: 19.097 ng

RT: 25.191 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05

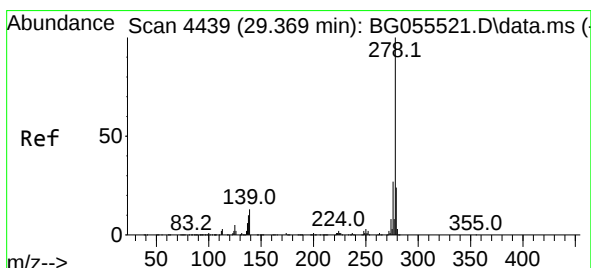
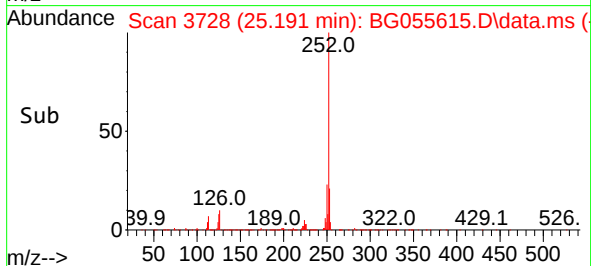
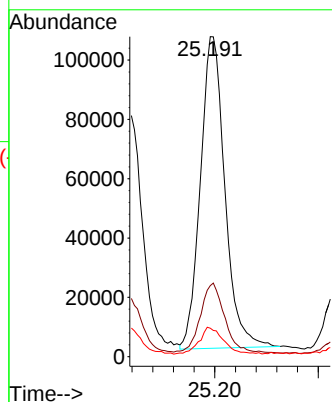
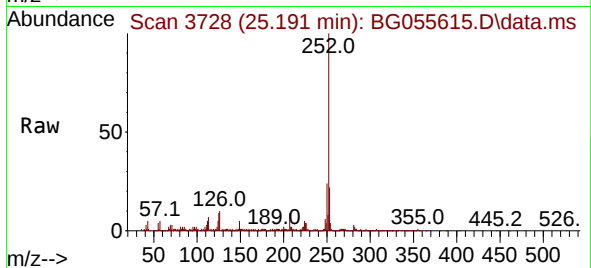
Tgt Ion:252 Resp: 345620

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 8.9 6.7 10.1



#91

Dibenzo(a,h)anthracene

Concen: 2.025 ng

RT: 29.357 min Scan# 4437

Delta R.T. -0.012 min

Lab File: BG055615.D

Acq: 14 Nov 2022 22:11

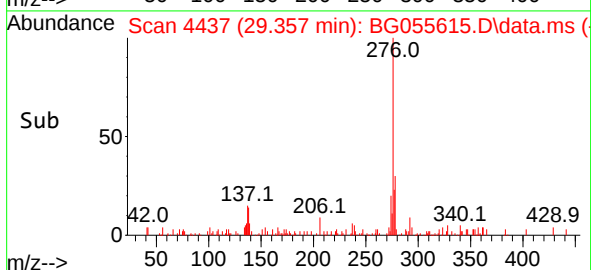
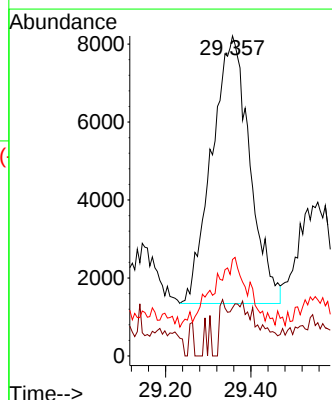
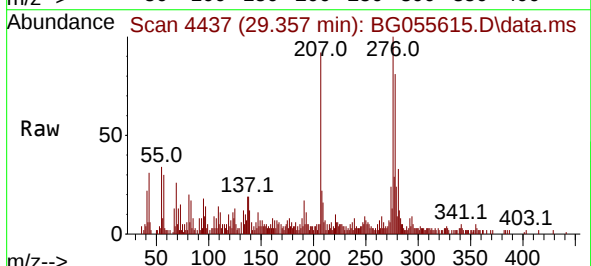
Tgt Ion:278 Resp: 42336

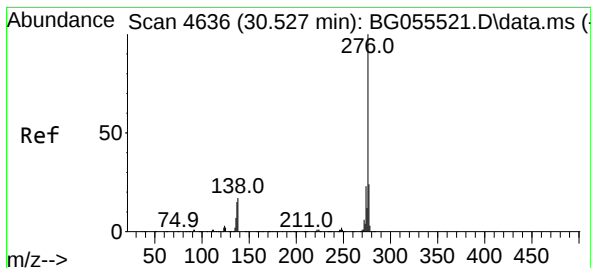
Ion Ratio Lower Upper

278 100

139 15.0 10.6 15.8

279 30.2 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 8.172 ng

RT: 30.532 min Scan# 4

Delta R.T. 0.005 min

Lab File: BG055615.D

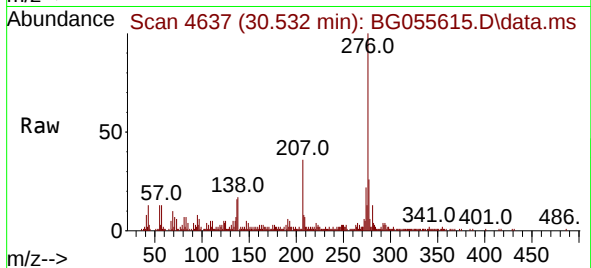
Acq: 14 Nov 2022 22:11

Instrument :

BNA_G

ClientSampleId :

SB-05



Tgt Ion:276 Resp: 167008

Ion Ratio Lower Upper

276 100

277 26.2 19.3 28.9

138 17.5 13.9 20.9

