

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111622\
 Data File : BG055655.D
 Acq On : 16 Nov 2022 20:23
 Operator : CG/JU
 Sample : N5619-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422

Quant Time: Nov 17 02:13:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

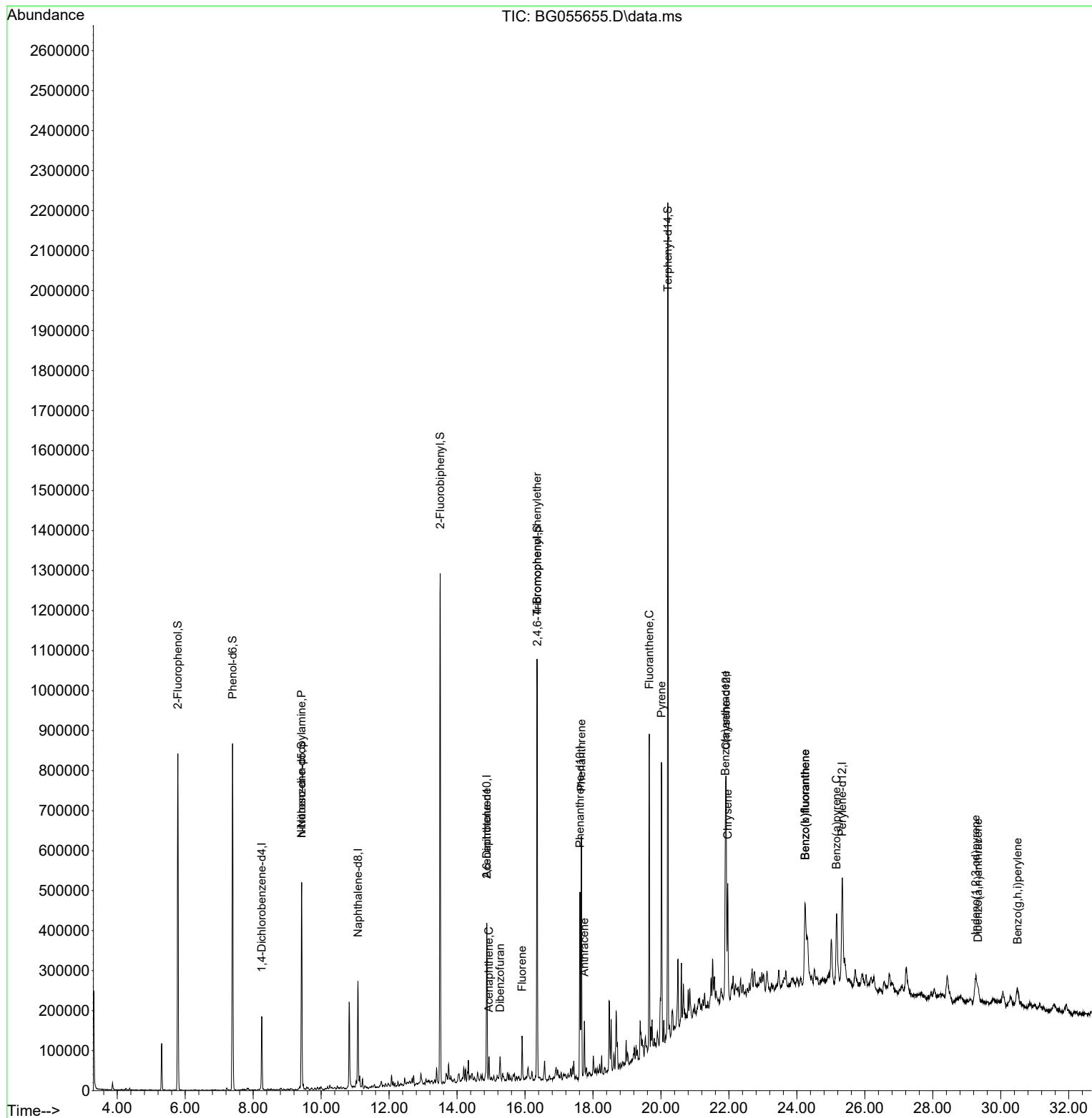
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	53703	20.000	ng	0.00
21) Naphthalene-d8	11.082	136	223247	20.000	ng	0.00
39) Acenaphthene-d10	14.872	164	145157	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	314675	20.000	ng	0.00
76) Chrysene-d12	21.917	240	306462	20.000	ng	0.00
86) Perylene-d12	25.330	264	326701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.782	112	361360	121.625	ng	0.00
7) Phenol-d6	7.392	99	477638	120.768	ng	0.00
23) Nitrobenzene-d5	9.425	82	294267	69.669	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	216731	106.033	ng	0.00
45) 2-Fluorobiphenyl	13.503	172	675322	69.698	ng	0.00
79) Terphenyl-d14	20.201	244	1039365	67.834	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.425	70	40980	13.486	ng	# 75
51) 2,6-Dinitrotoluene	14.872	165	21274	8.992	ng	# 26
52) Acenaphthene	14.936	154	20888	2.361	ng	97
55) Dibenzofuran	15.265	168	30837	2.259	ng	# 94
58) Fluorene	15.912	166	48613	4.459	ng	96
67) 4-Bromophenyl-phenylether	16.352	248	14240	3.972	ng	# 1
71) Phenanthrene	17.657	178	375971	22.140	ng	99
72) Anthracene	17.745	178	91923	5.571	ng	99
75) Fluoranthene	19.654	202	515683	24.962	ng	100
78) Pyrene	20.013	202	461368	22.241	ng	99
81) Benzo(a)anthracene	21.893	228	242787	11.502	ng	98
83) Chrysene	21.964	228	225771	11.235	ng	98
87) Indeno(1,2,3-cd)pyrene	29.255	276	65469	2.446	ng	# 46
88) Benzo(b)fluoranthene	24.243	252	282354	13.271	ng	98
89) Benzo(k)fluoranthene	24.243	252	282354	13.313	ng	97
90) Benzo(a)pyrene	25.166	252	228398	12.509	ng	# 96
91) Dibenzo(a,h)anthracene	29.326	278	65596	2.999	ng	# 91
92) Benzo(g,h,i)perylene	30.495	276	129807	5.889	ng	98

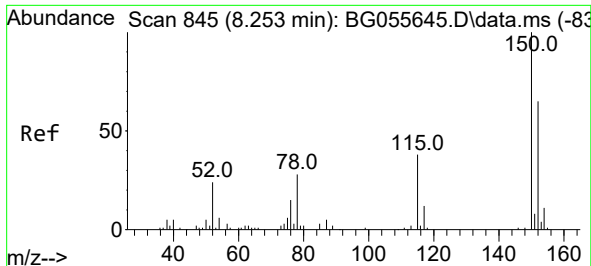
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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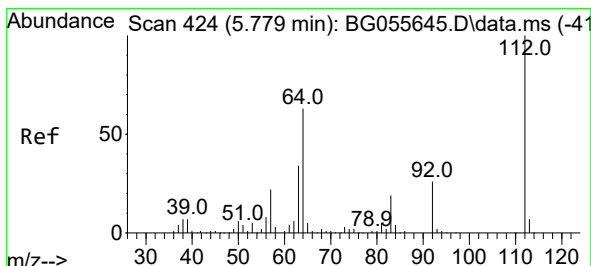
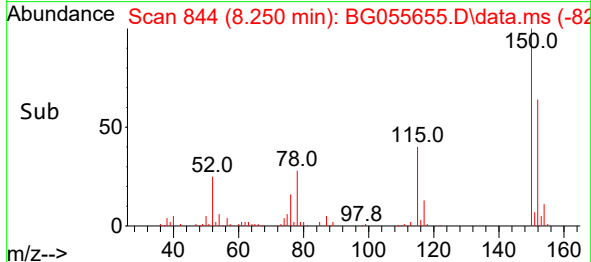
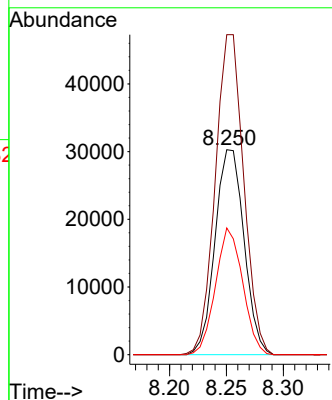
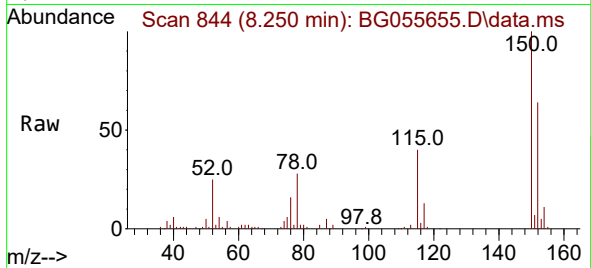




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

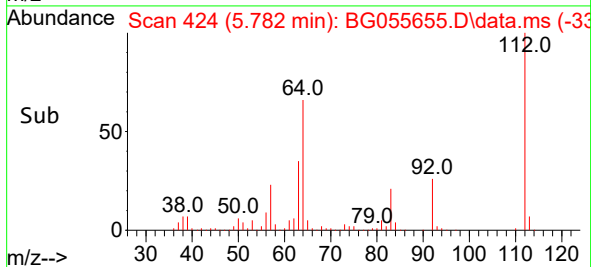
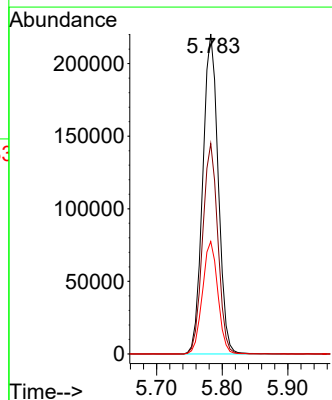
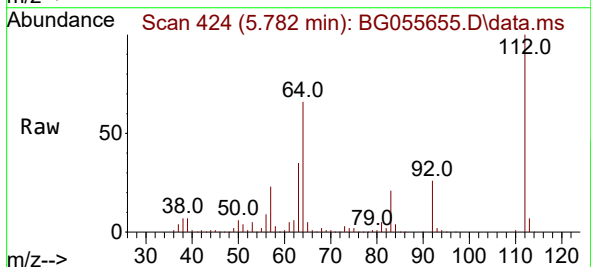
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

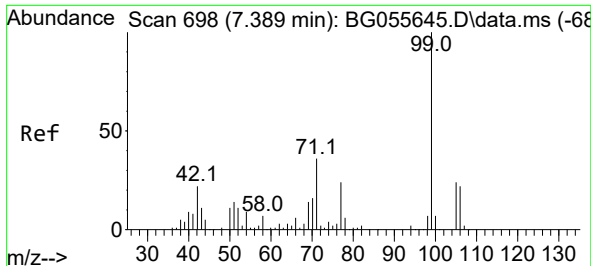
Tgt Ion:152 Resp: 53703
Ion Ratio Lower Upper
152 100
150 156.1 123.0 184.6
115 61.9 47.0 70.4



#5
2-Fluorophenol
Concen: 121.625 ng
RT: 5.782 min Scan# 424
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:112 Resp: 361360
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 35.1 27.5 41.3

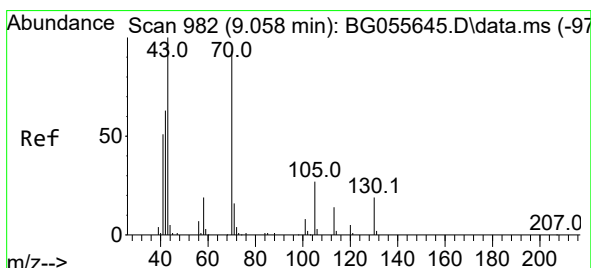
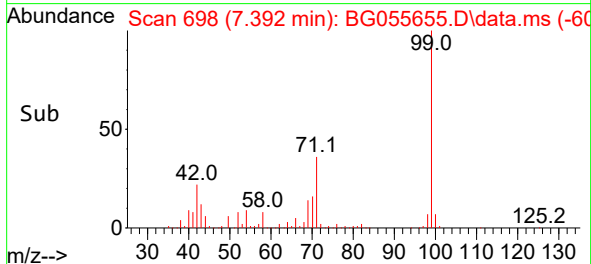
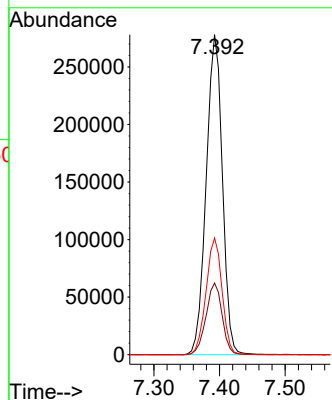
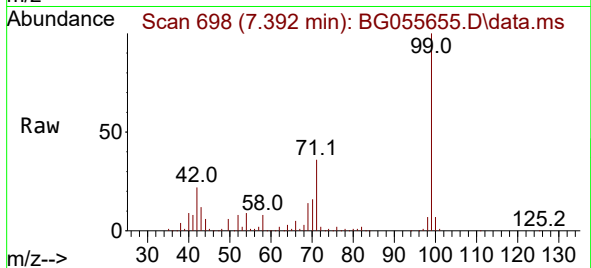




#7
Phenol-d6
Concen: 120.768 ng
RT: 7.392 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

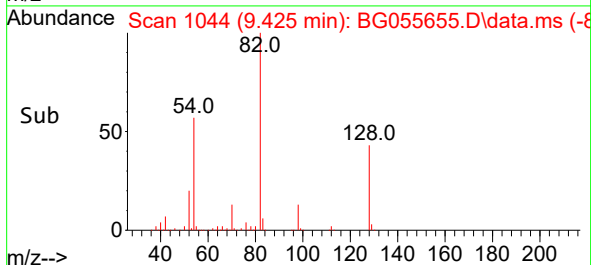
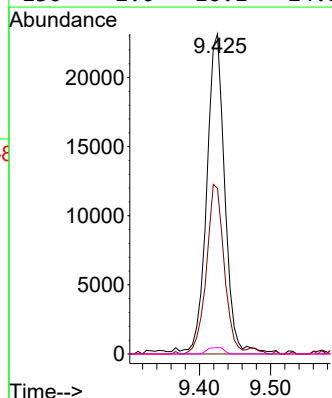
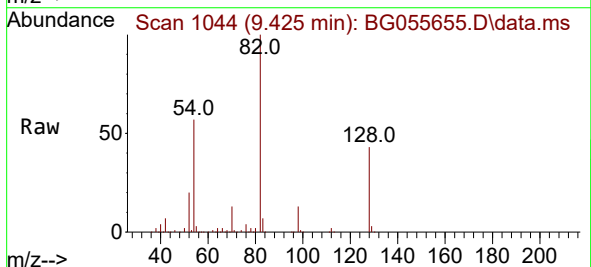
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

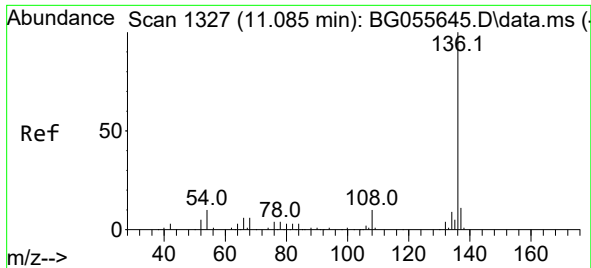
Tgt Ion: 99 Resp: 477638
Ion Ratio Lower Upper
99 100
42 22.4 18.0 27.0
71 36.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.486 ng
RT: 9.425 min Scan# 1044
Delta R.T. 0.368 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion: 70 Resp: 40980
Ion Ratio Lower Upper
70 100
42 51.8 55.2 82.8#
101 0.0 7.1 10.7#
130 2.0 16.1 24.1#

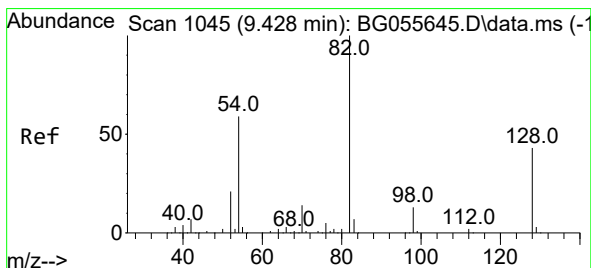
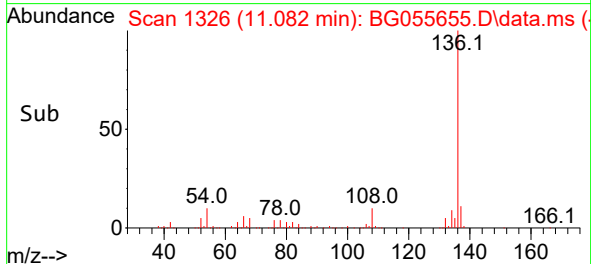
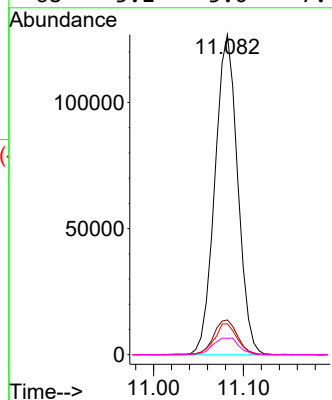
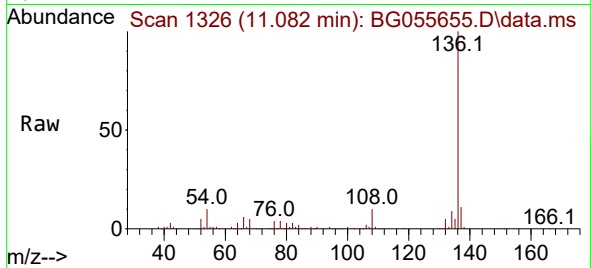




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.082 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

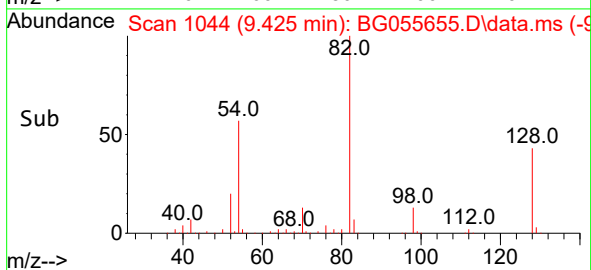
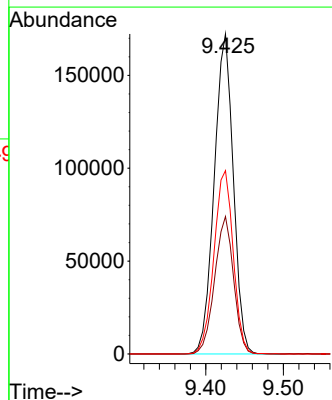
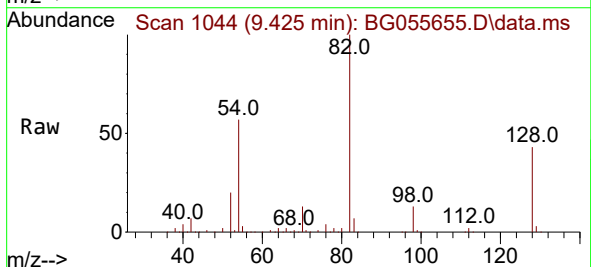
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

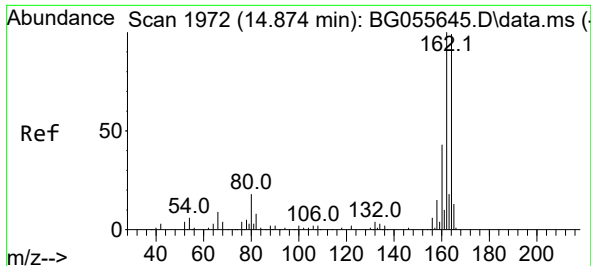
Tgt Ion:	136	Resp:	223247
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	9.7	7.8	11.6
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 69.669 ng
RT: 9.425 min Scan# 1044
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:	82	Resp:	294267
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.1	51.1
54	57.3	47.3	70.9

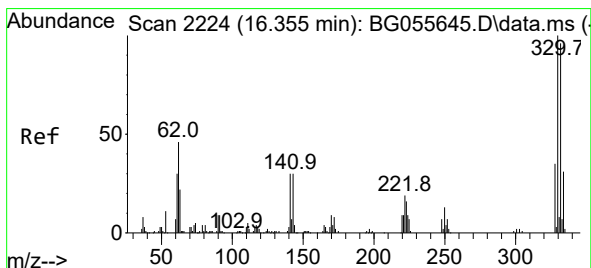
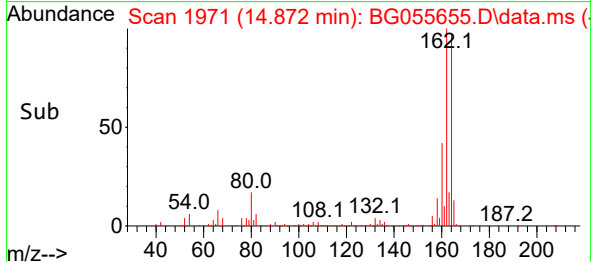
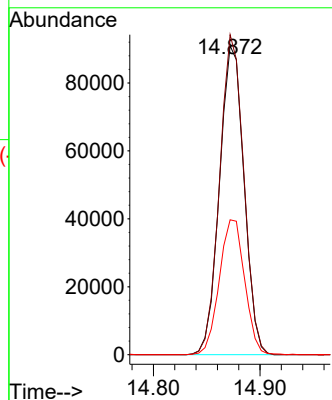
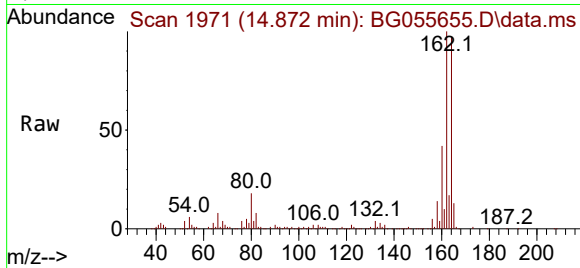




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

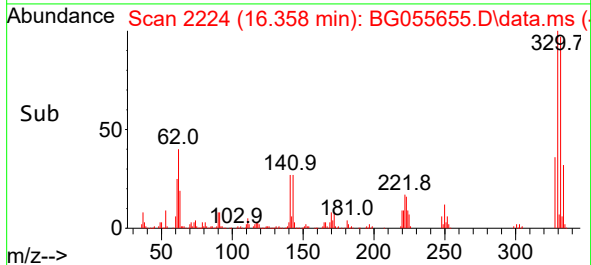
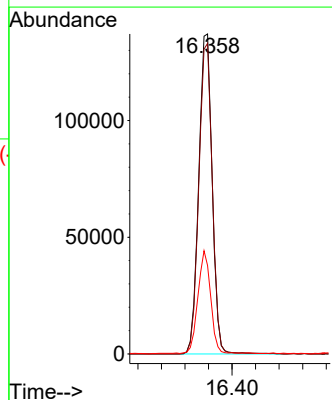
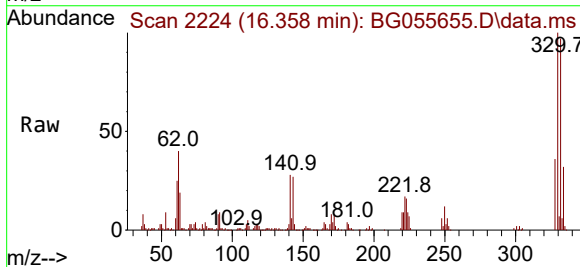
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

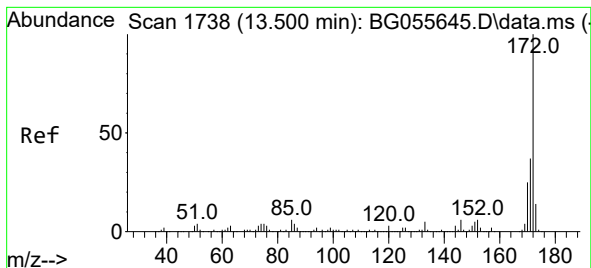
Tgt Ion:164 Resp: 145157
Ion Ratio Lower Upper
164 100
162 103.6 81.1 121.7
160 43.6 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 106.033 ng
RT: 16.358 min Scan# 2224
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:330 Resp: 216731
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 31.3 23.9 35.9

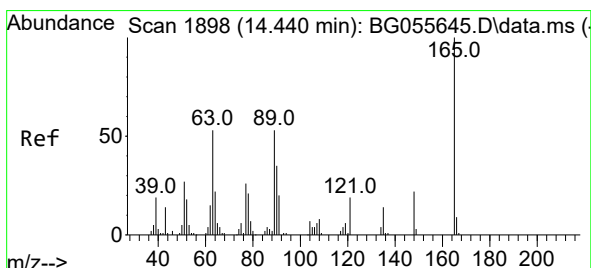
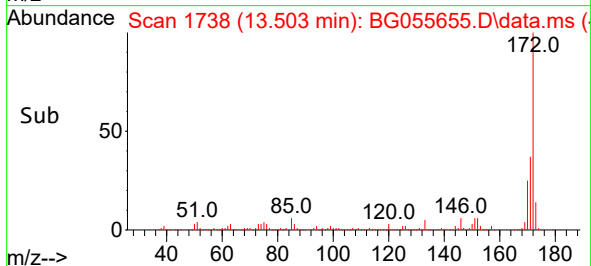
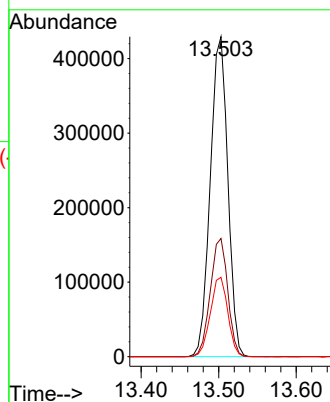
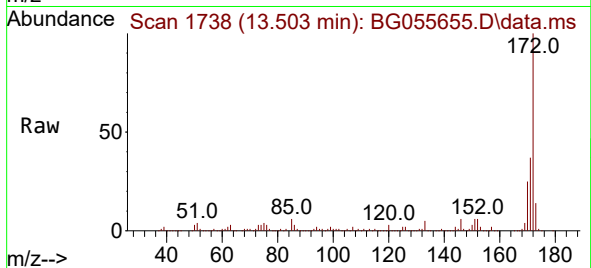




#45
2-Fluorobiphenyl
Concen: 69.698 ng
RT: 13.503 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

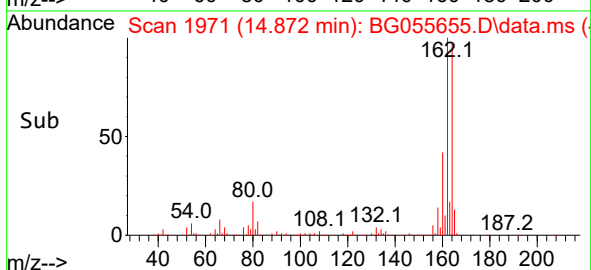
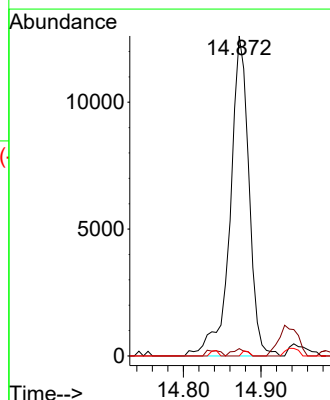
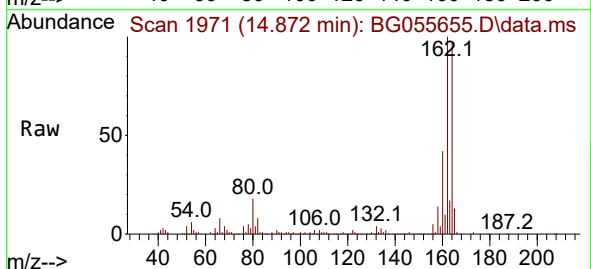
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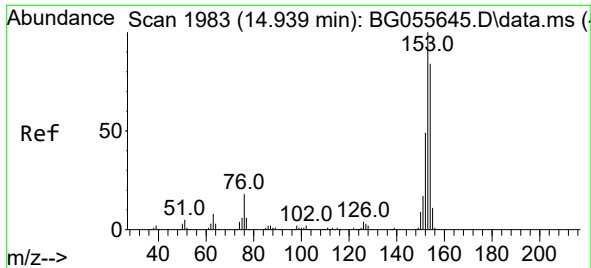
Tgt Ion:172 Resp: 675322
Ion Ratio Lower Upper
172 100
171 37.0 29.8 44.6
170 24.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.992 ng
RT: 14.872 min Scan# 1971
Delta R.T. 0.432 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:165 Resp: 21274
Ion Ratio Lower Upper
165 100
63 2.3 44.6 66.8#
89 0.0 42.2 63.4#

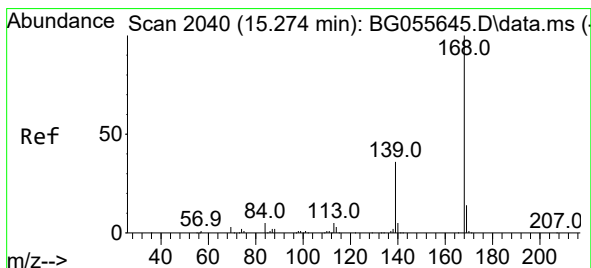
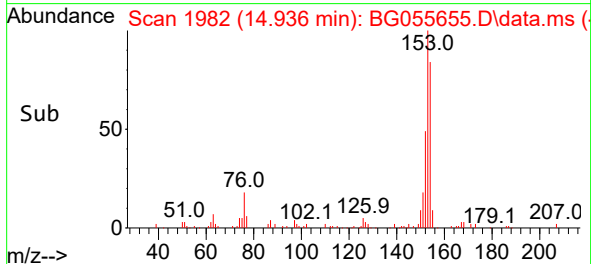
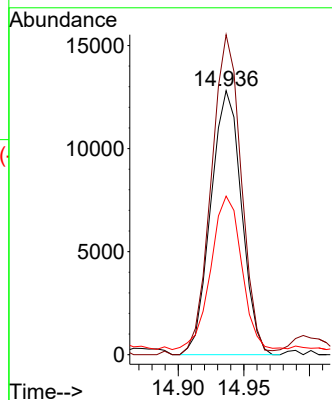
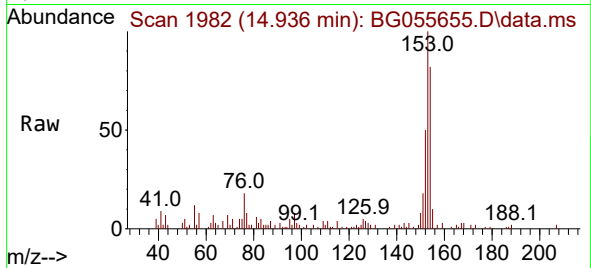




#52
Acenaphthene
Concen: 2.361 ng
RT: 14.936 min Scan# 1983
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

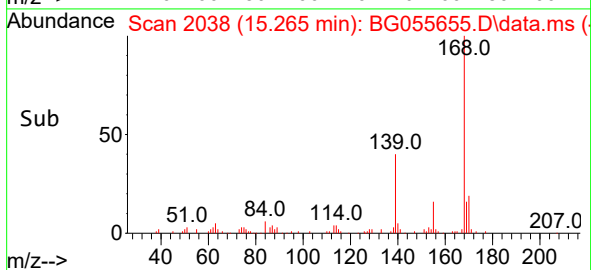
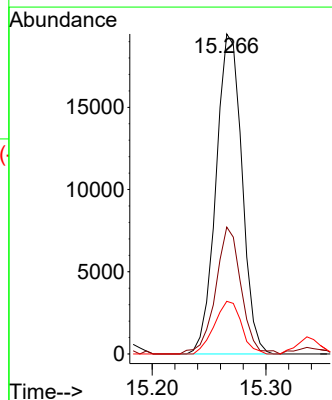
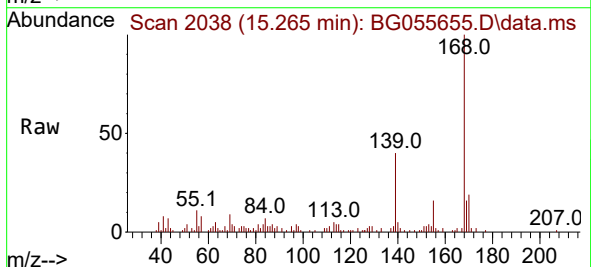
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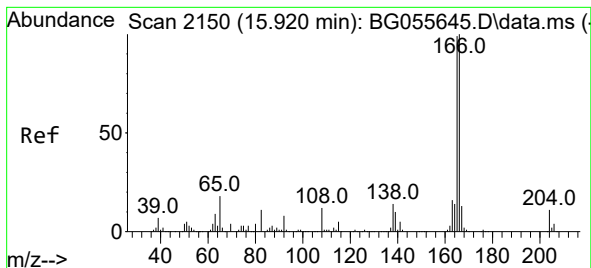
Tgt Ion:154	Resp:	20888	
Ion Ratio	Lower	Upper	
154	100		
153	121.2	95.0	142.4
152	60.1	46.1	69.1



#55
Dibenzofuran
Concen: 2.259 ng
RT: 15.265 min Scan# 2038
Delta R.T. -0.008 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:168	Resp:	30837	
Ion Ratio	Lower	Upper	
168	100		
139	39.6	28.8	43.2
169	16.5	11.0	16.4#





#58

Fluorene

Concen: 4.459 ng

RT: 15.912 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

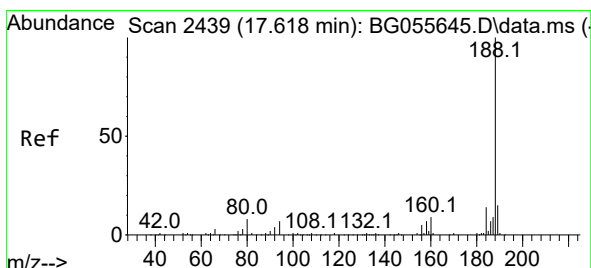
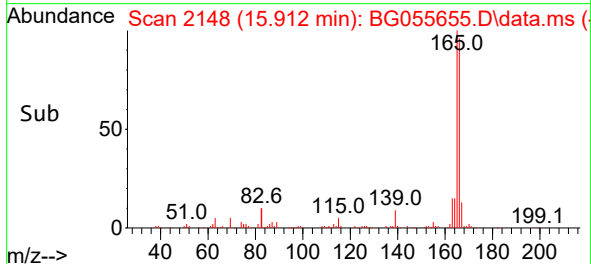
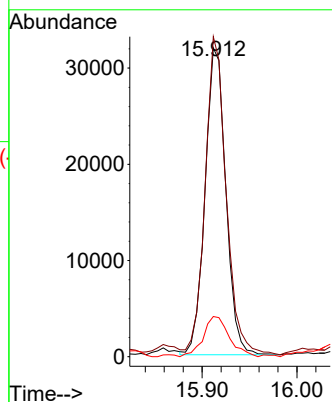
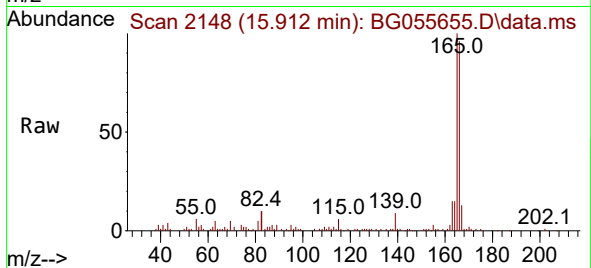
Tgt Ion:166 Resp: 48613

Ion Ratio Lower Upper

166 100

165 103.6 79.3 118.9

167 13.0 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.616 min Scan# 2438

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

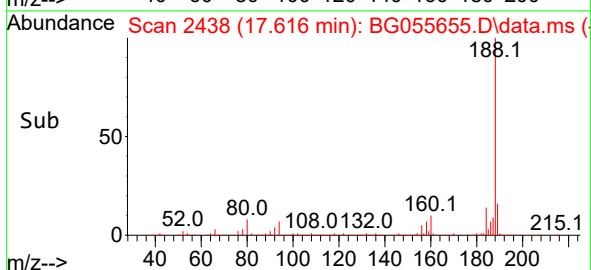
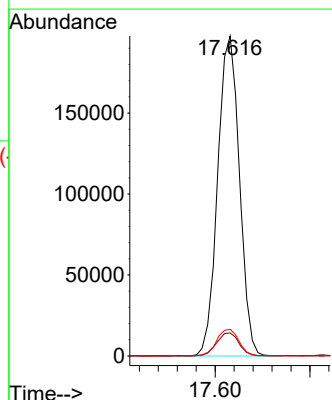
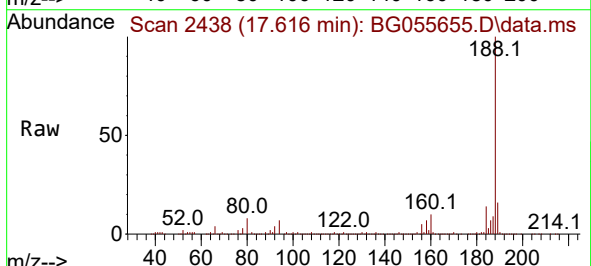
Tgt Ion:188 Resp: 314675

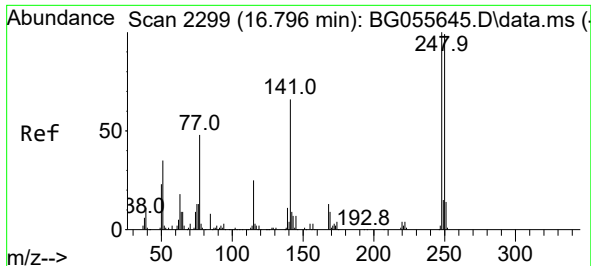
Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 8.3 6.6 10.0

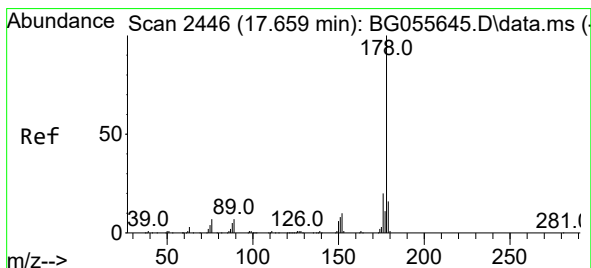
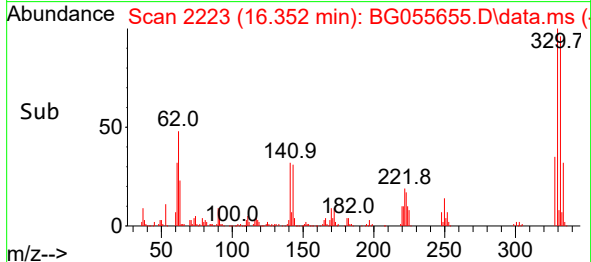
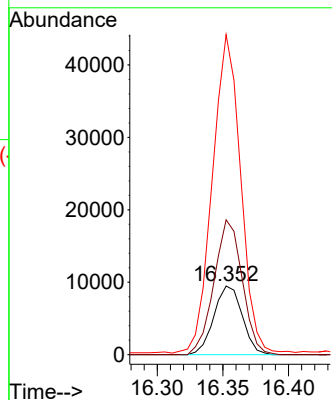
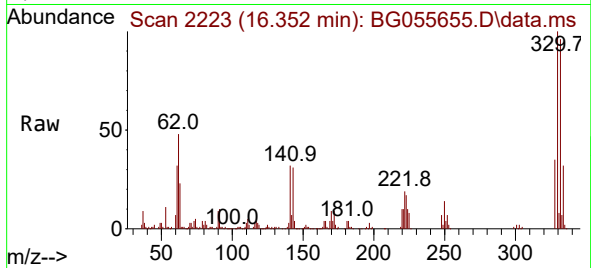




#67
4-Bromophenyl-phenylether
Concen: 3.972 ng
RT: 16.352 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

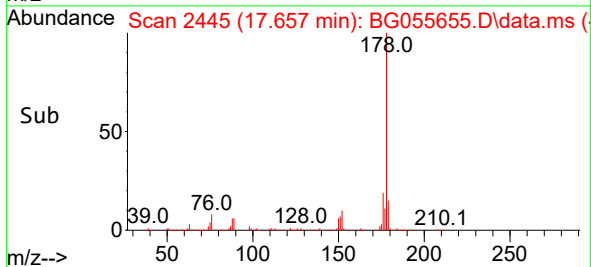
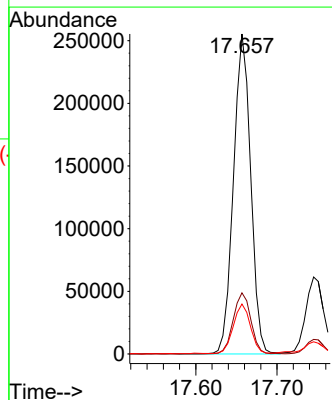
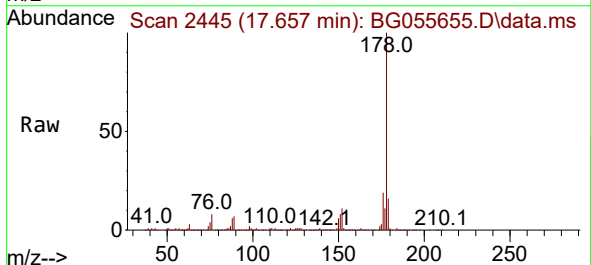
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

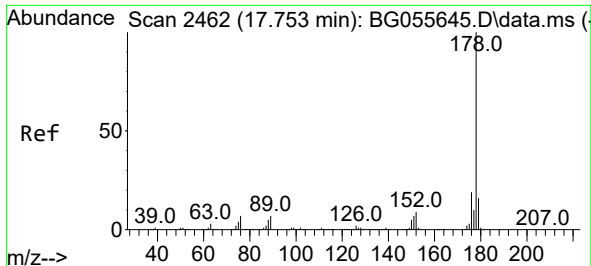
Tgt Ion:248 Resp: 14240
Ion Ratio Lower Upper
248 100
250 196.4 79.0 118.4#
141 466.2 52.9 79.3#



#71
Phenanthrene
Concen: 22.140 ng
RT: 17.657 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:178 Resp: 375971
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 12.7 19.1

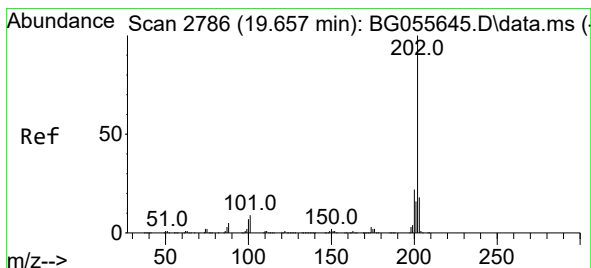
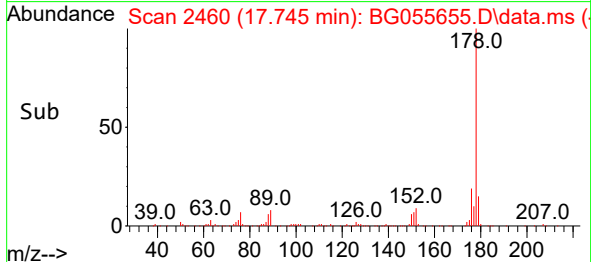
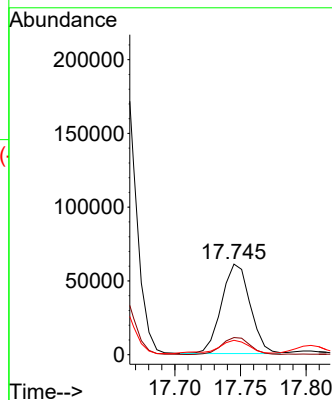
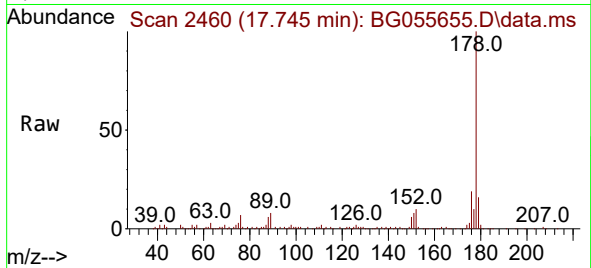




#72
 Anthracene
 Concen: 5.571 ng
 RT: 17.745 min Scan# 2462
 Delta R.T. -0.008 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

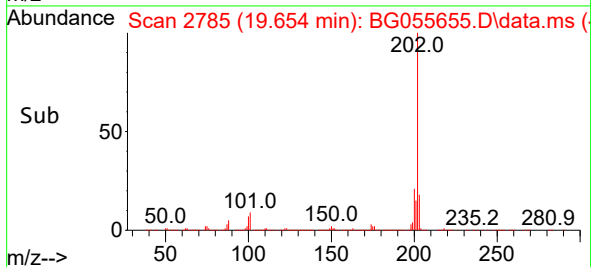
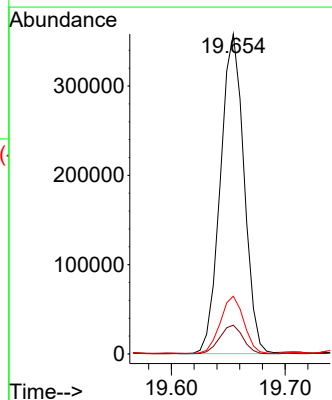
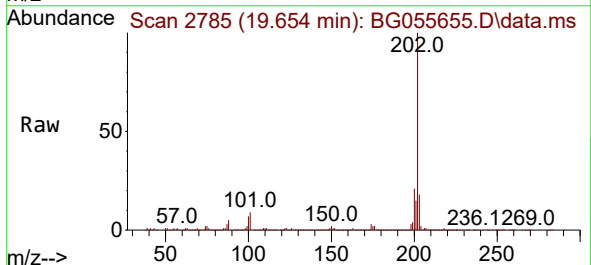
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422

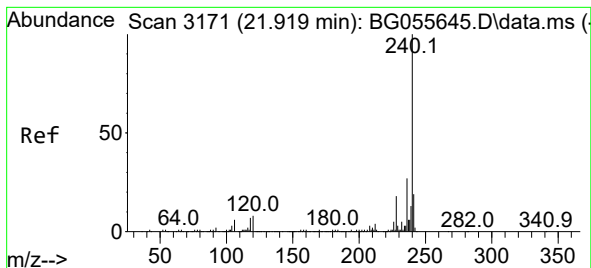
Tgt Ion:178 Resp: 91923
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 15.9 12.5 18.7



#75
 Fluoranthene
 Concen: 24.962 ng
 RT: 19.654 min Scan# 2785
 Delta R.T. -0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

Tgt Ion:202 Resp: 515683
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 28.8
 203 18.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.917 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

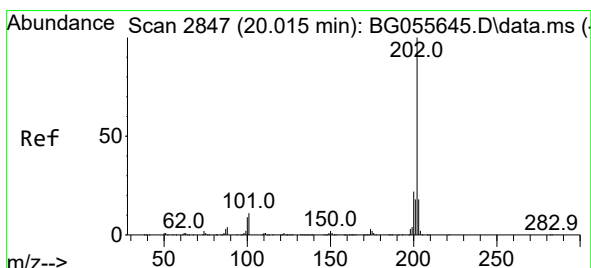
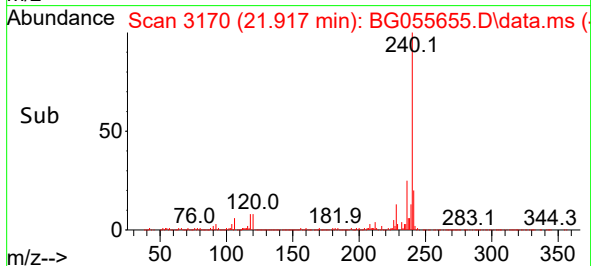
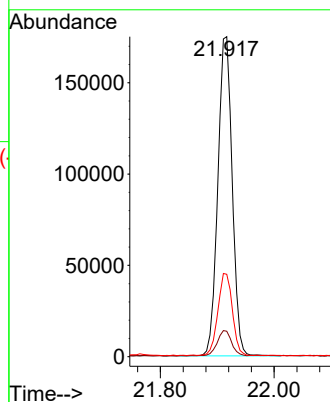
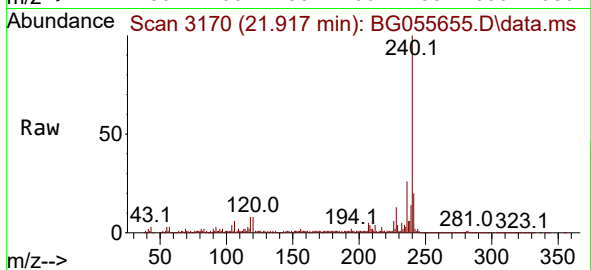
Tgt Ion:240 Resp: 306462

Ion Ratio Lower Upper

240 100

120 8.0 6.3 9.5

236 25.7 21.9 32.9



#78

Pyrene

Concen: 22.241 ng

RT: 20.013 min Scan# 2846

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

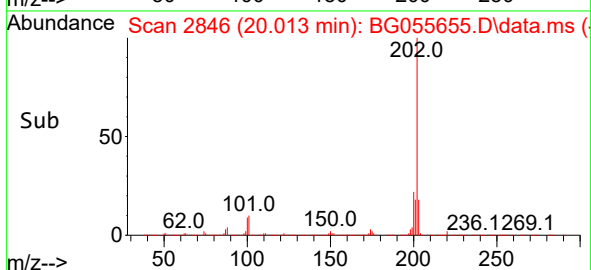
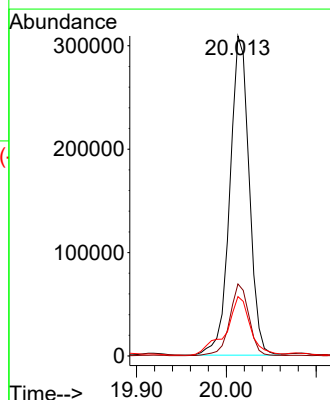
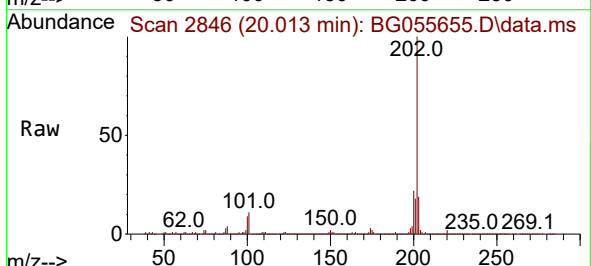
Tgt Ion:202 Resp: 461368

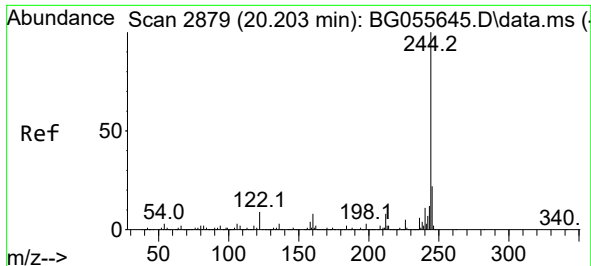
Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.6

203 18.5 14.4 21.6

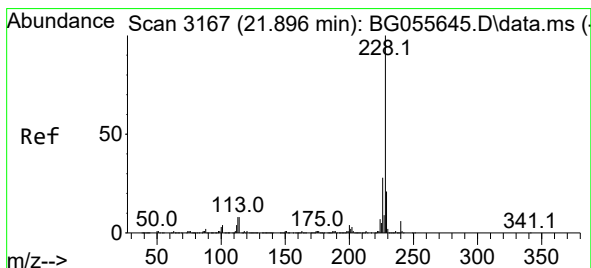
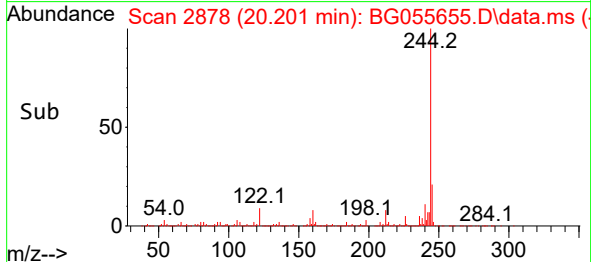
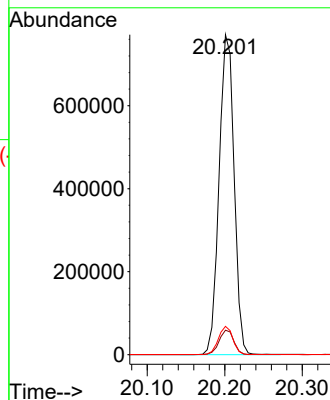
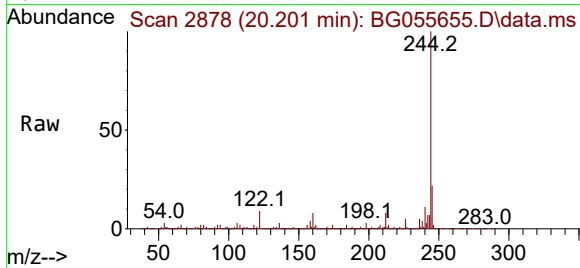




#79
 Terphenyl-d14
 Concen: 67.834 ng
 RT: 20.201 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

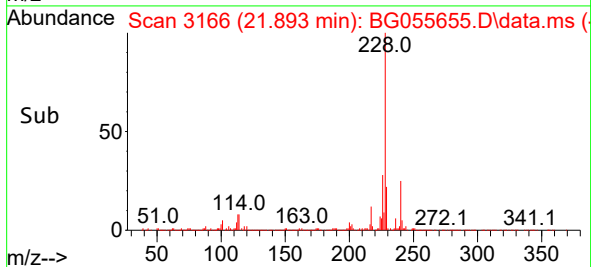
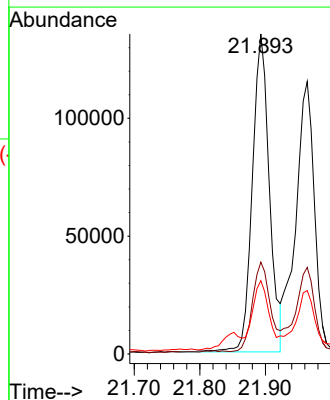
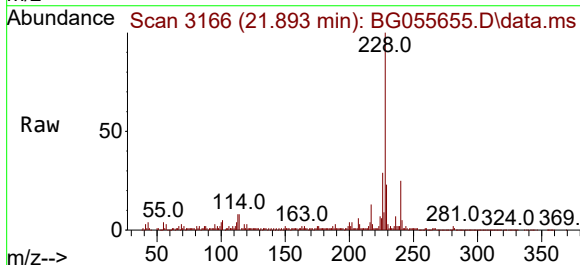
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422

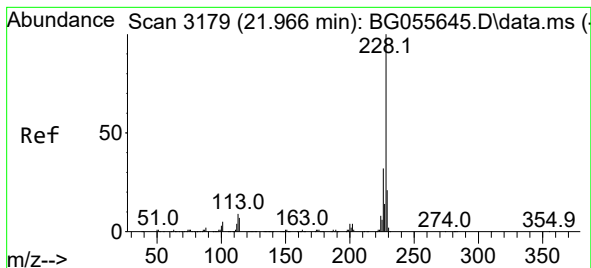
Tgt Ion:244 Resp: 1039365
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 8.9 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 11.502 ng
 RT: 21.893 min Scan# 3166
 Delta R.T. -0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

Tgt Ion:228 Resp: 242787
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.7 34.1
 229 22.9 16.5 24.7





#83

Chrysene

Concen: 11.235 ng

RT: 21.964 min Scan# 3179

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

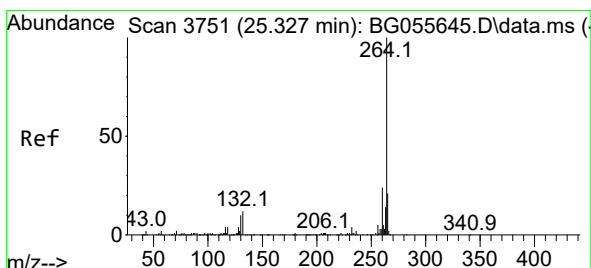
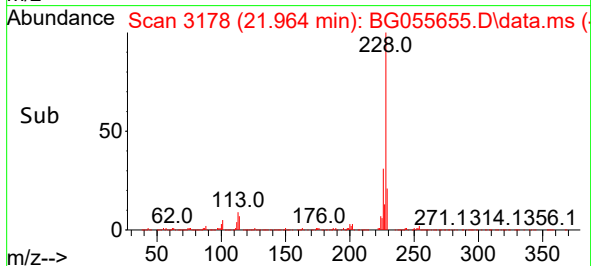
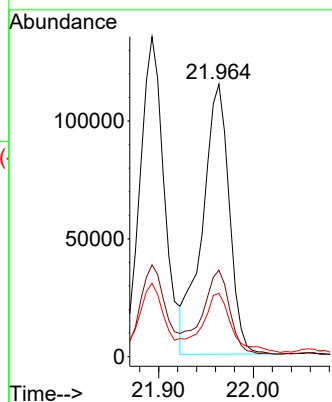
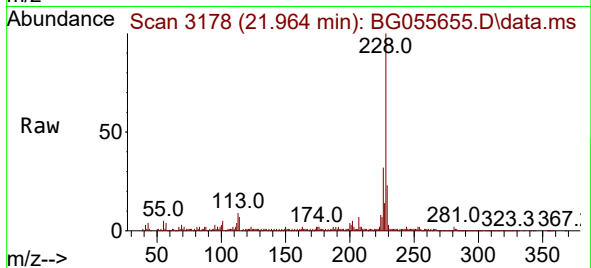
Tgt Ion:228 Resp: 225771

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.2

229 23.3 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.330 min Scan# 3751

Delta R.T. 0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

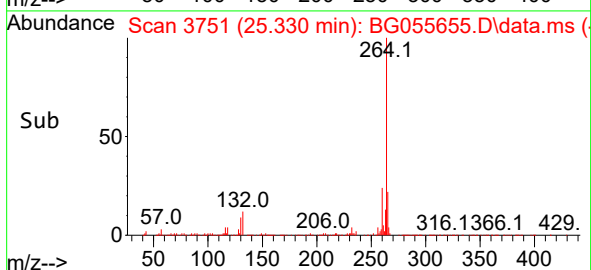
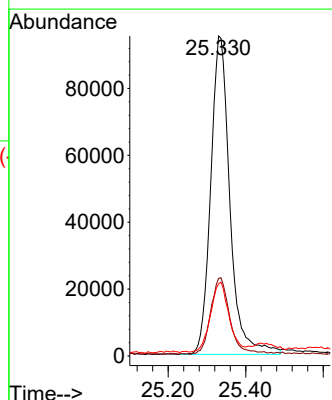
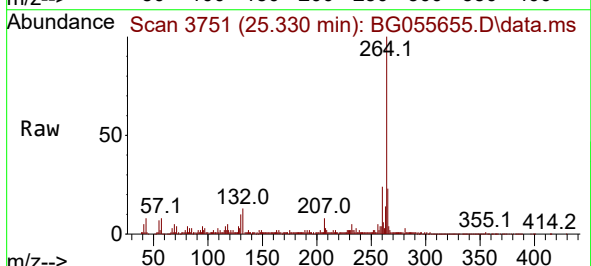
Tgt Ion:264 Resp: 326701

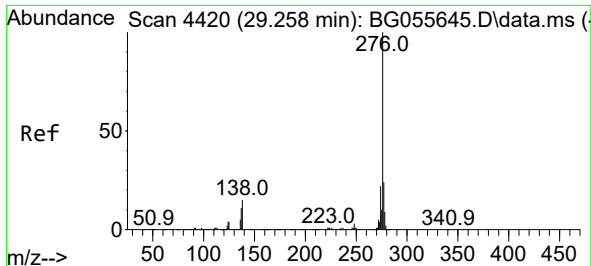
Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.6 17.1 25.7

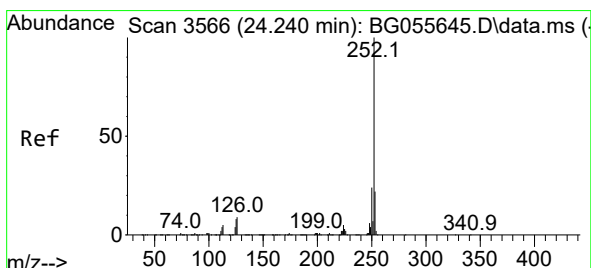
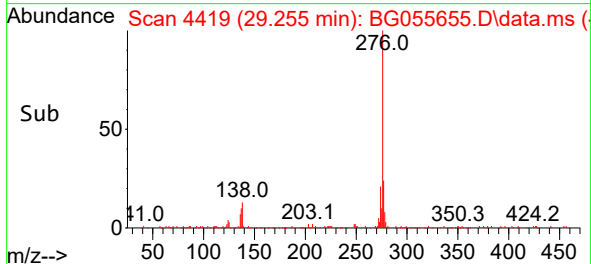
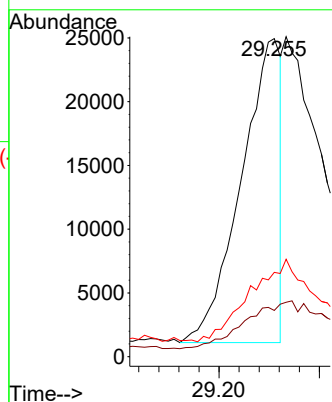
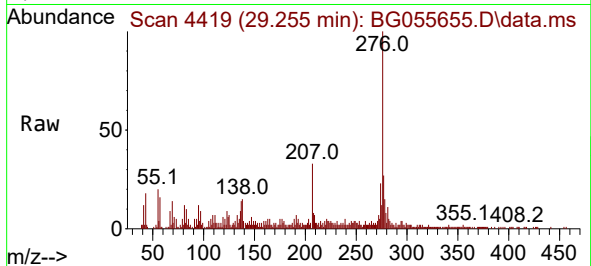




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.446 ng
 RT: 29.255 min Scan# 4419
 Delta R.T. -0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

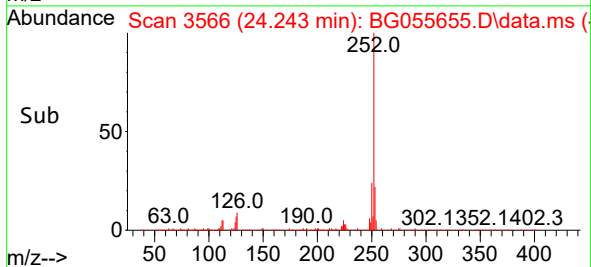
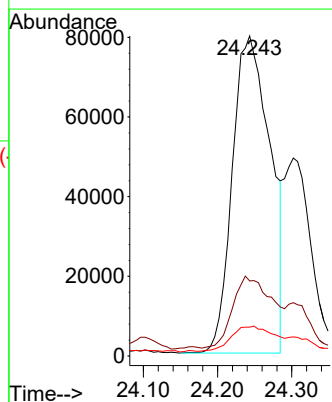
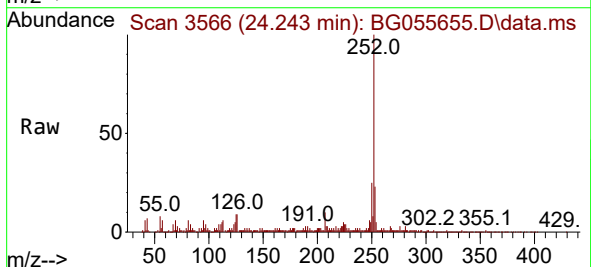
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111422

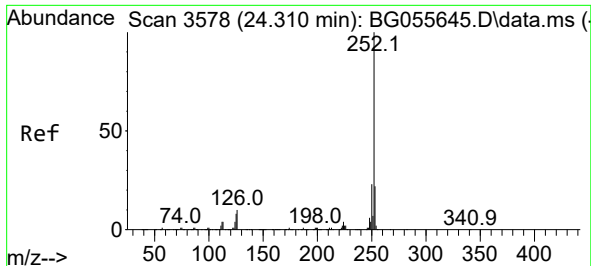
Tgt Ion:276 Resp: 65469
 Ion Ratio Lower Upper
 276 100
 138 36.7 10.4 15.6#
 277 51.1 20.2 30.4#



#88
 Benzo(b)fluoranthene
 Concen: 13.271 ng
 RT: 24.243 min Scan# 3566
 Delta R.T. 0.003 min
 Lab File: BG055655.D
 Acq: 16 Nov 2022 20:23

Tgt Ion:252 Resp: 282354
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.0 27.0
 125 9.0 6.2 9.2

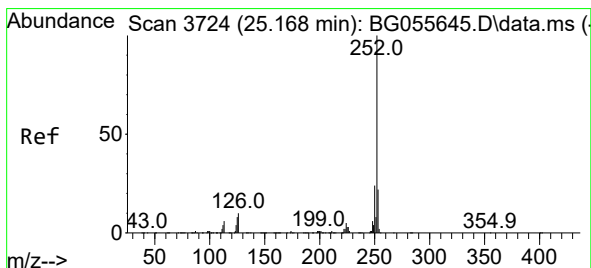
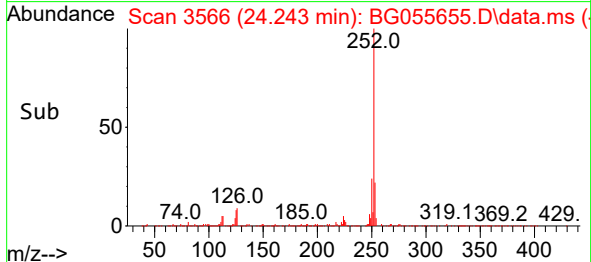
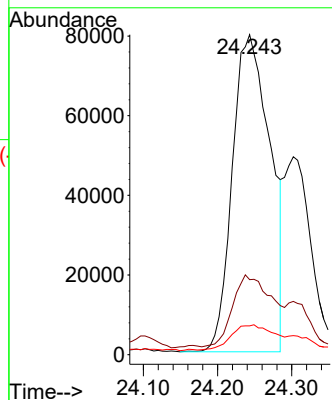
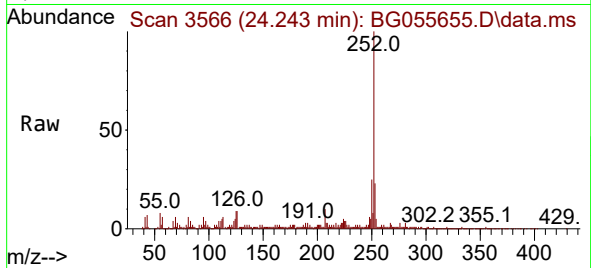




#89
Benzo(k)fluoranthene
Concen: 13.313 ng
RT: 24.243 min Scan# 31
Delta R.T. -0.067 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

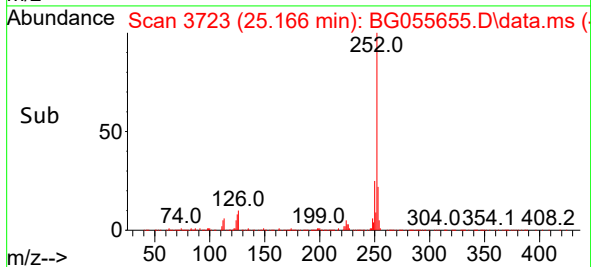
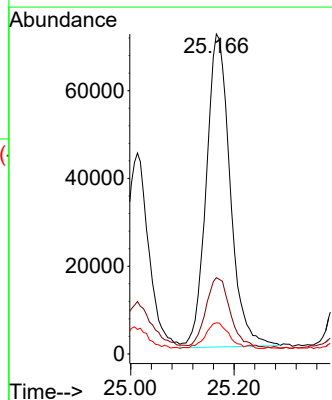
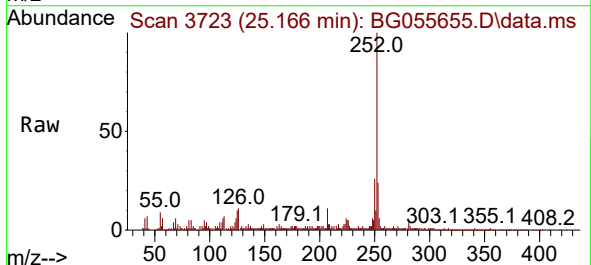
Instrument :
BNA_G
ClientSampleId :
OR-02-111422

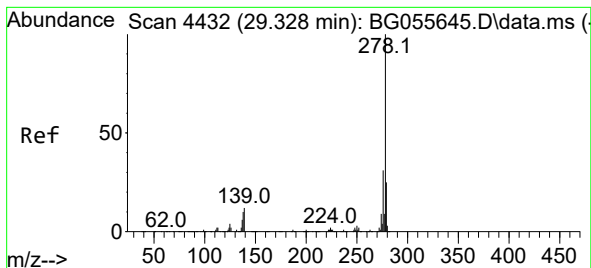
Tgt Ion:252 Resp: 282354
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 9.0 6.1 9.1



#90
Benzo(a)pyrene
Concen: 12.509 ng
RT: 25.166 min Scan# 3723
Delta R.T. -0.003 min
Lab File: BG055655.D
Acq: 16 Nov 2022 20:23

Tgt Ion:252 Resp: 228398
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 9.7 6.4 9.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.999 ng

RT: 29.326 min Scan# 4432

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Instrument :

BNA_G

ClientSampleId :

OR-02-111422

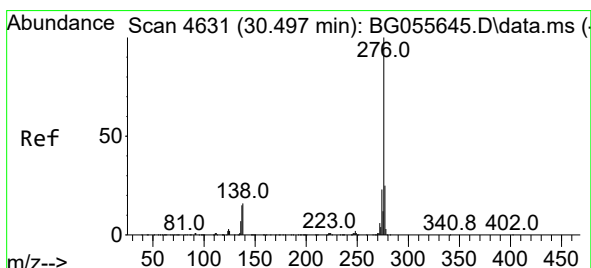
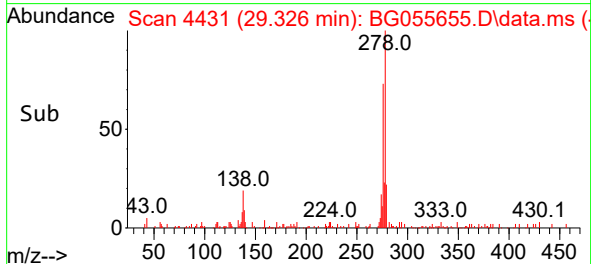
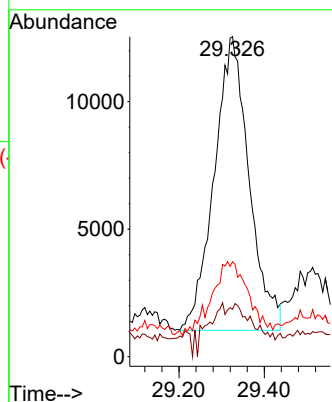
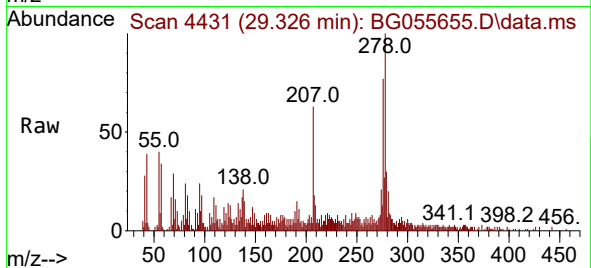
Tgt Ion:278 Resp: 65596

Ion Ratio Lower Upper

278 100

139 14.8 9.8 14.8#

279 29.6 19.8 29.6



#92

Benzo(g,h,i)perylene

Concen: 5.889 ng

RT: 30.495 min Scan# 4630

Delta R.T. -0.003 min

Lab File: BG055655.D

Acq: 16 Nov 2022 20:23

Tgt Ion:276 Resp: 129807

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.6

138 17.3 13.1 19.7

