

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055283.D
 Acq On : 25 Oct 2022 19:58
 Operator : CG/JU
 Sample : N5253-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 26 14:46:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

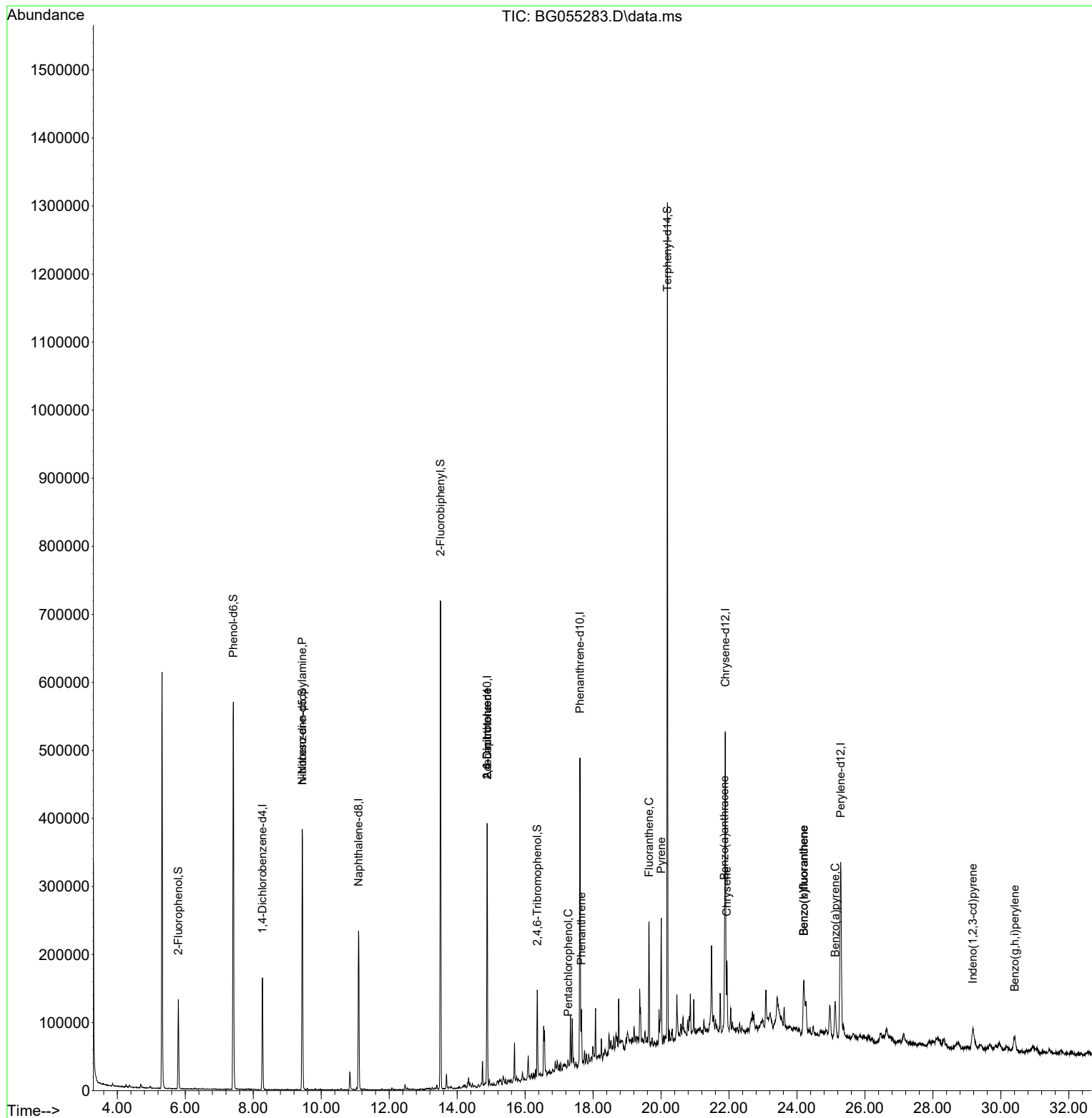
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	47620	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	205291	20.000	ng	0.00
39) Acenaphthene-d10	14.883	164	127984	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	268030	20.000	ng	0.00
76) Chrysene-d12	21.893	240	255811	20.000	ng	0.00
86) Perylene-d12	25.289	264	269783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	60875	22.384	ng	0.00
7) Phenol-d6	7.416	99	350759	89.022	ng	0.00
23) Nitrobenzene-d5	9.443	82	245766	61.131	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	23333	16.771	ng	0.00
45) 2-Fluorobiphenyl	13.508	172	369286	47.227	ng	0.00
79) Terphenyl-d14	20.189	244	551895	44.825	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.443	70	32767	10.015	ng	# 79
51) 2,6-Dinitrotoluene	14.883	165	16623	8.130	ng	# 22
57) 2,4-Dinitrotoluene	14.883	165	16623	5.602	ng	# 20
70) Pentachlorophenol	17.269	266	896	3.065	ng	95
71) Phenanthrene	17.656	178	45527	3.185	ng	98
75) Fluoranthene	19.648	202	110701	6.646	ng	100
78) Pyrene	20.007	202	102259	5.832	ng	98
81) Benzo(a)anthracene	21.869	228	59483	3.463	ng	99
83) Chrysene	21.940	228	75132	4.604	ng	98
87) Indeno(1,2,3-cd)pyrene	29.178	276	43566	2.186	ng	95
88) Benzo(b)fluoranthene	24.202	252	98331	6.059	ng	97
89) Benzo(k)fluoranthene	24.202	252	98331	6.001	ng	99
90) Benzo(a)pyrene	25.124	252	57719	4.148	ng	98
92) Benzo(g,h,i)perylene	30.412	276	41763	2.575	ng	97

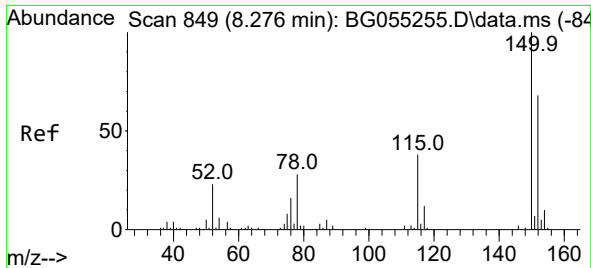
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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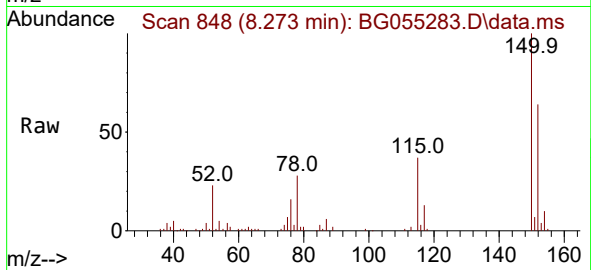
Quant Time: Oct 26 14:46:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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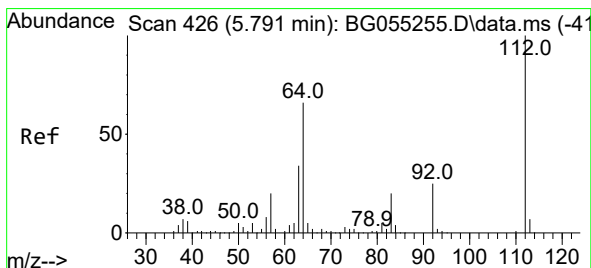
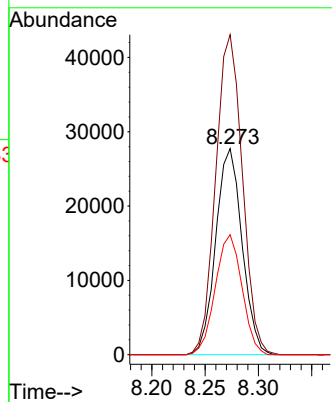
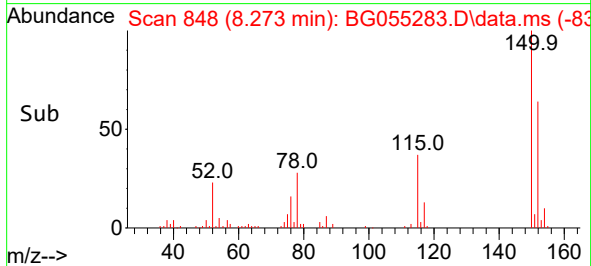


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

Instrument :
BNA_G
ClientSampleId :

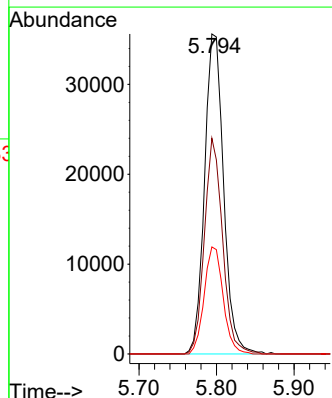
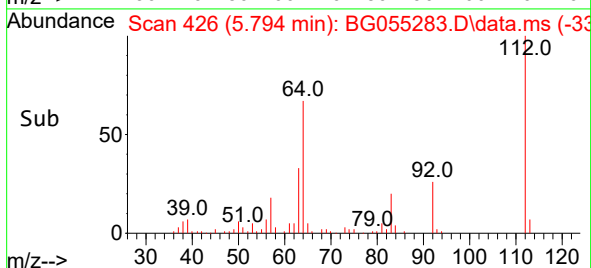
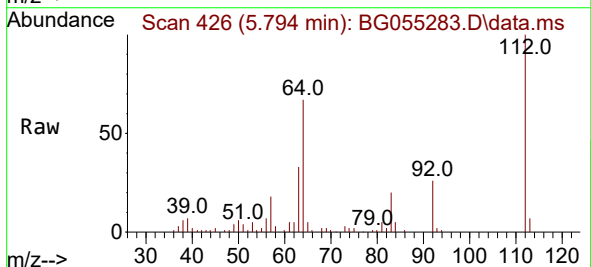


Tgt Ion:152 Resp: 47620
Ion Ratio Lower Upper
152 100
150 155.3 118.2 177.4
115 58.2 44.5 66.7



#5
2-Fluorophenol
Concen: 22.384 ng
RT: 5.794 min Scan# 426
Delta R.T. 0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

Tgt Ion:112 Resp: 60875
Ion Ratio Lower Upper
112 100
64 67.4 52.6 78.8
63 33.5 27.1 40.7

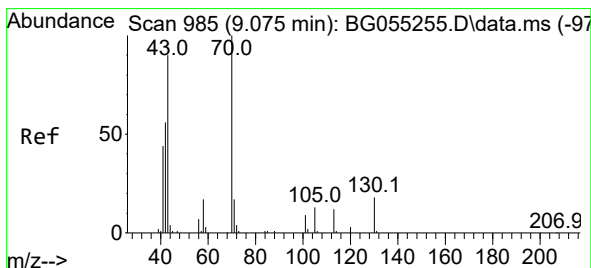
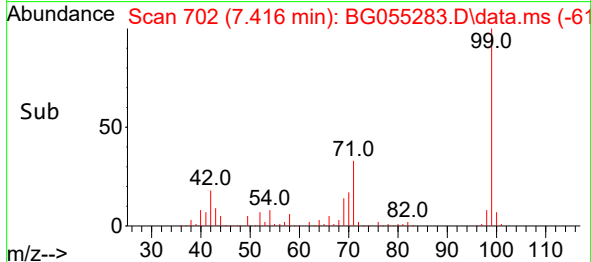
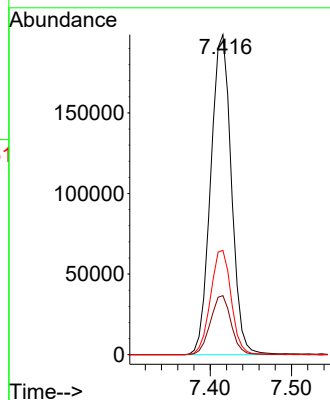
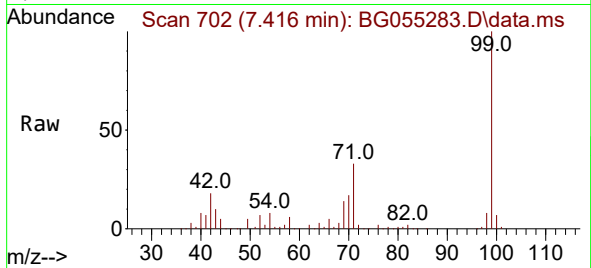




#7
Phenol-d6
Concen: 89.022 ng
RT: 7.416 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

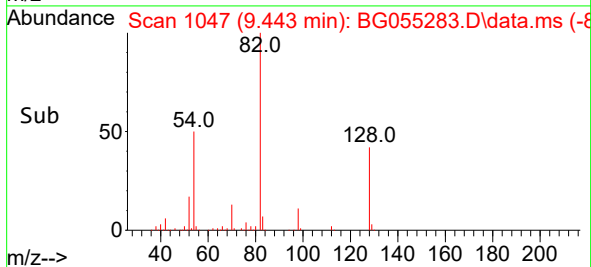
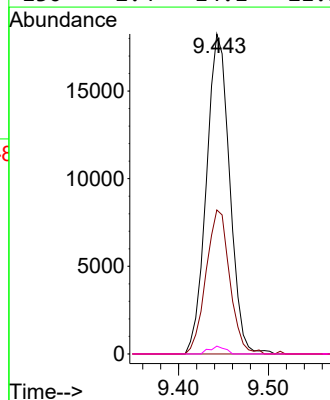
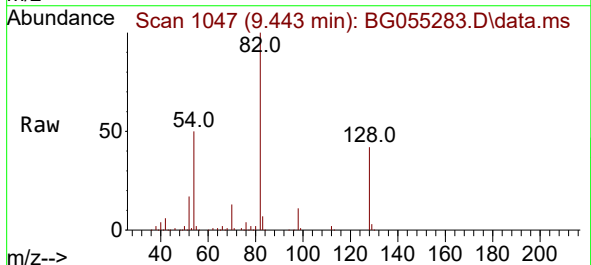
Instrument :
BNA_G
ClientSampleId :

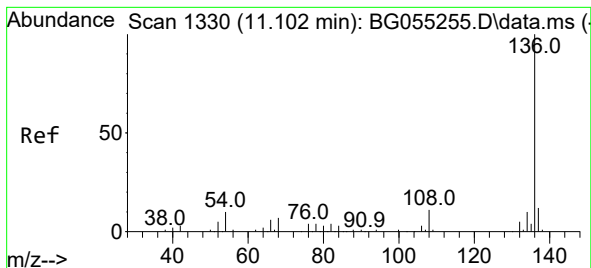
Tgt Ion: 99 Resp: 350759
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 32.6 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.015 ng
RT: 9.443 min Scan# 1047
Delta R.T. 0.367 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

Tgt Ion: 70 Resp: 32767
Ion Ratio Lower Upper
70 100
42 45.0 45.8 68.6#
101 0.0 7.4 11.0#
130 2.4 14.1 21.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.099 min Scan# 11

Delta R.T. -0.003 min

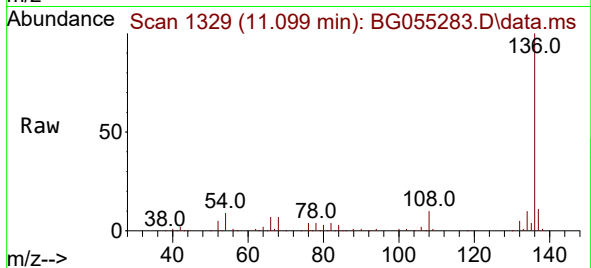
Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:136 Resp: 205291

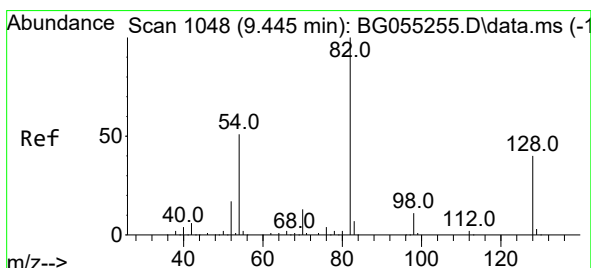
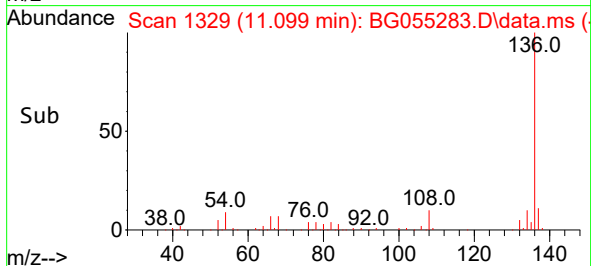
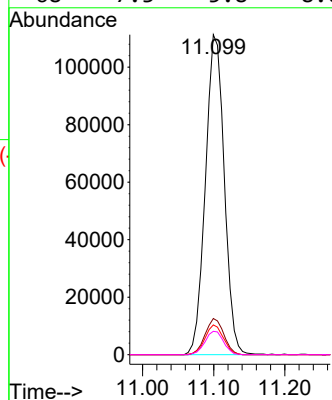
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 9.3 7.8 11.8

68 7.3 5.8 8.6



#23

Nitrobenzene-d5

Concen: 61.131 ng

RT: 9.443 min Scan# 1047

Delta R.T. -0.003 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

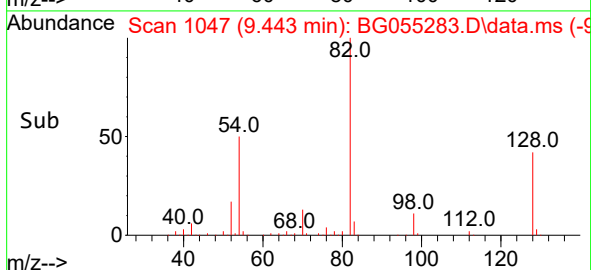
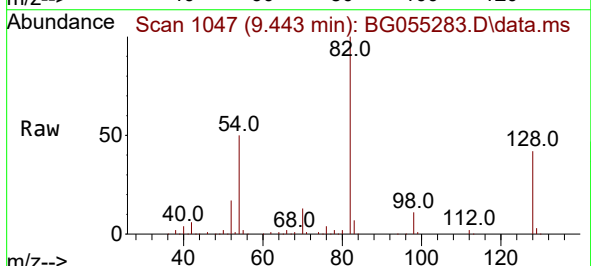
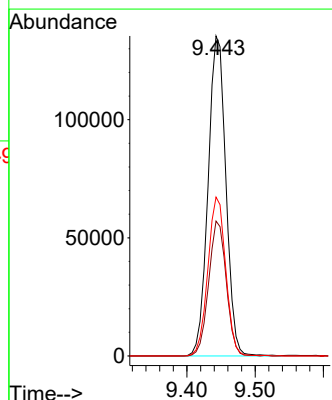
Tgt Ion: 82 Resp: 245766

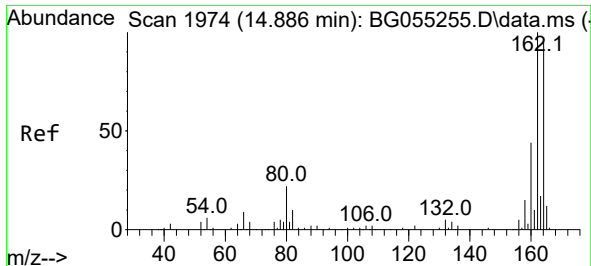
Ion Ratio Lower Upper

82 100

128 42.2 32.0 48.0

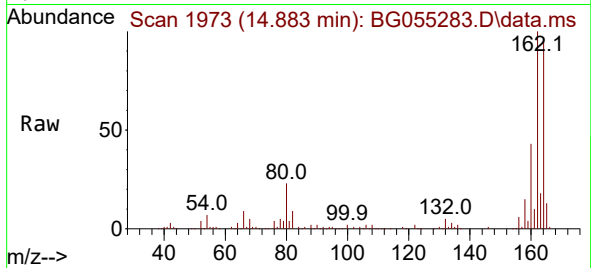
54 49.7 40.9 61.3



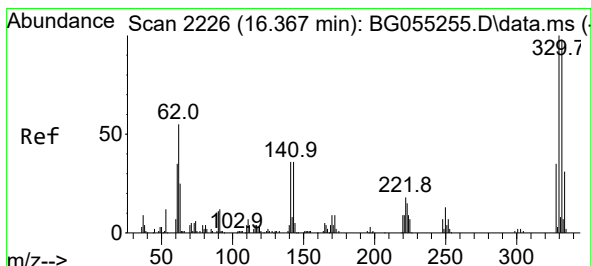
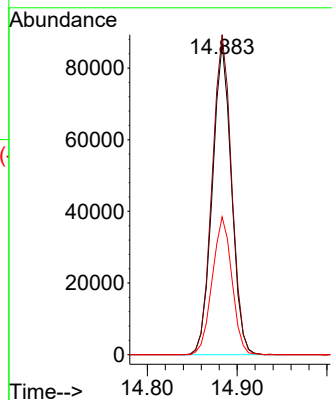
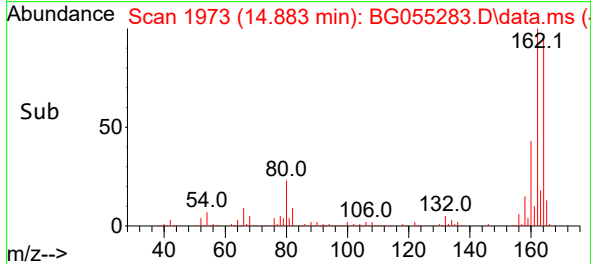


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.883 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

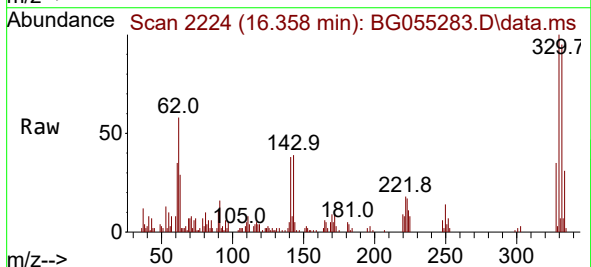
Instrument :
BNA_G
ClientSampleId :



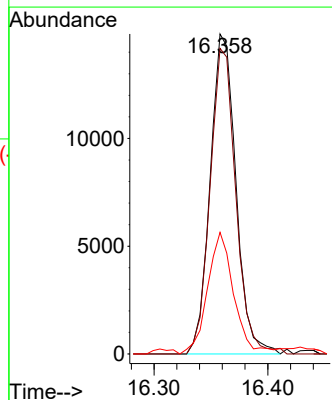
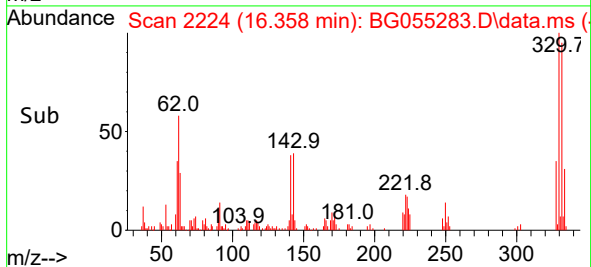
Tgt Ion:164 Resp: 127984
Ion Ratio Lower Upper
164 100
162 102.8 84.0 126.0
160 44.3 36.7 55.1

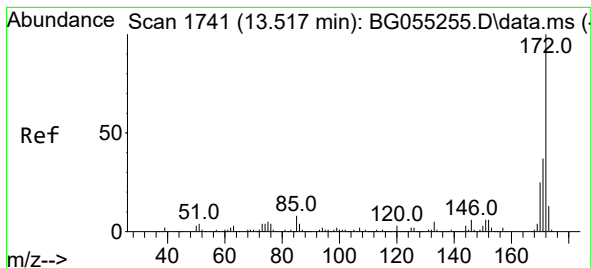


#42
2,4,6-Tribromophenol
Concen: 16.771 ng
RT: 16.358 min Scan# 2224
Delta R.T. -0.009 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58



Tgt Ion:330 Resp: 23333
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.0
141 38.6 29.8 44.8

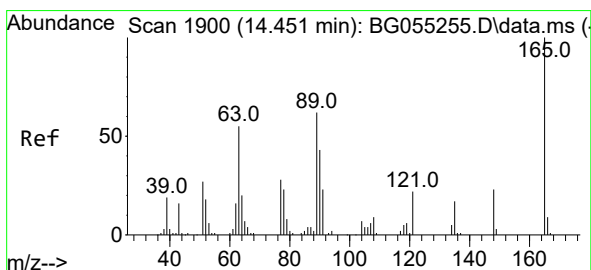
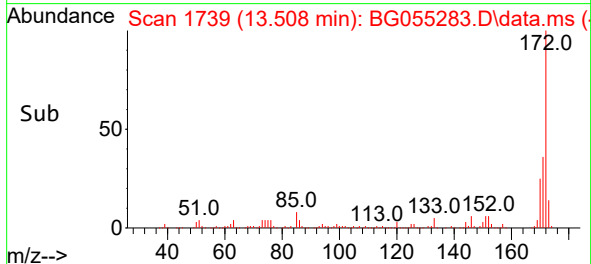
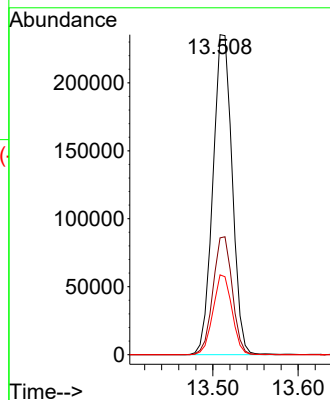
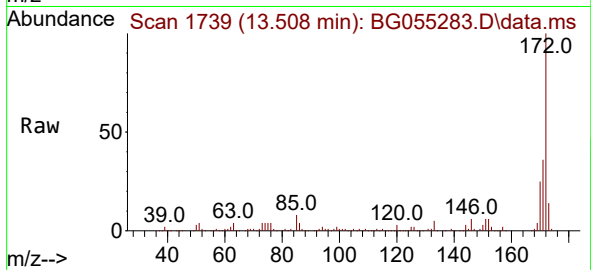




#45
2-Fluorobiphenyl
Concen: 47.227 ng
RT: 13.508 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

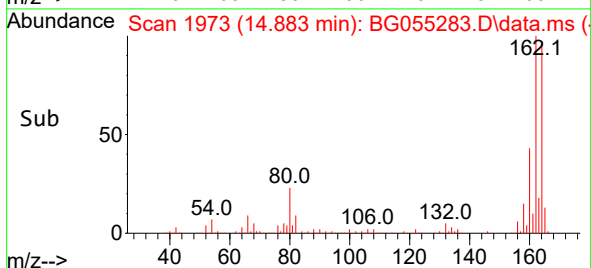
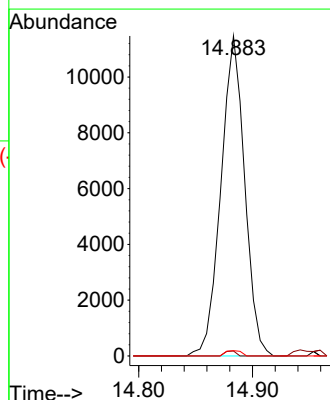
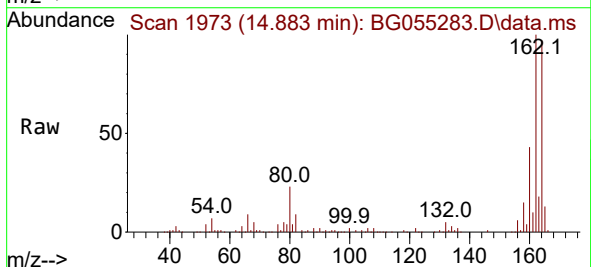
Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 369286
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.9 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 14.883 min Scan# 1973
Delta R.T. 0.432 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

Tgt Ion:165 Resp: 16623
Ion Ratio Lower Upper
165 100
63 1.6 49.2 73.8#
89 1.7 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.602 ng

RT: 14.883 min Scan# 1973

Delta R.T. -0.350 min

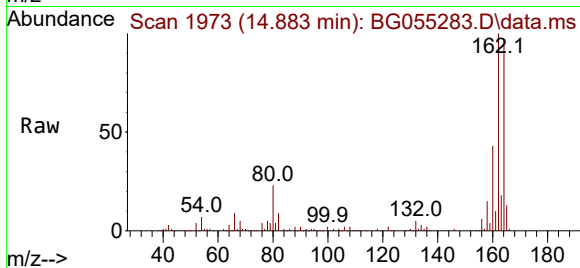
Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 16623

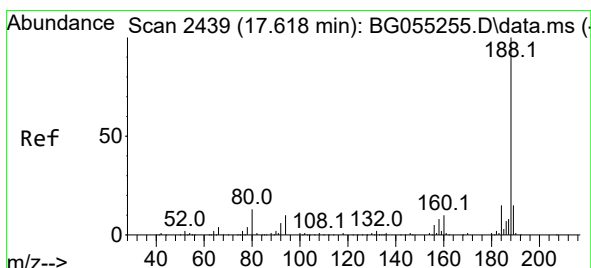
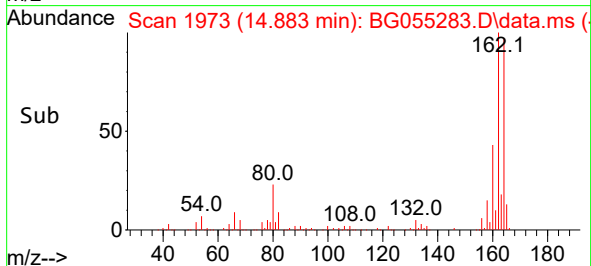
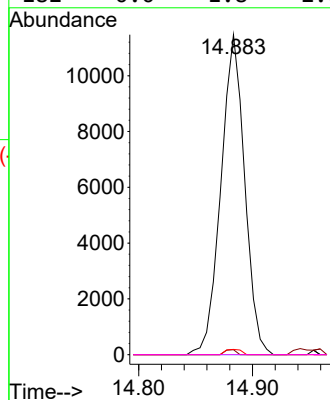
Ion Ratio Lower Upper

165 100

63 1.6 38.9 58.3#

89 1.7 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.615 min Scan# 2438

Delta R.T. -0.003 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

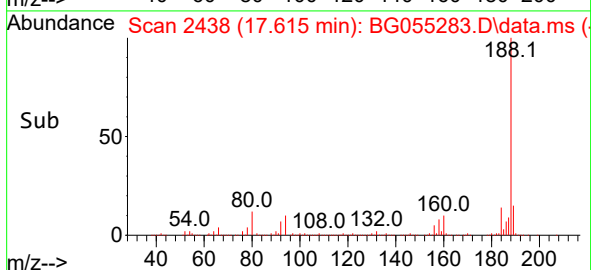
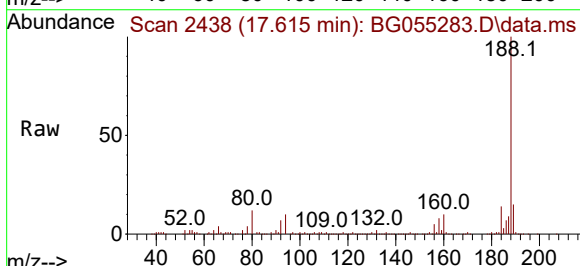
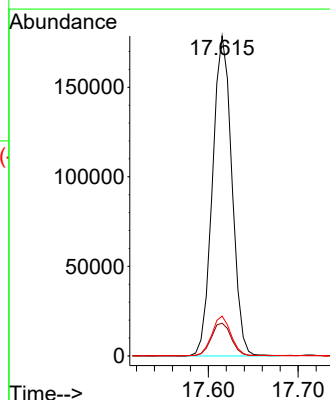
Tgt Ion:188 Resp: 268030

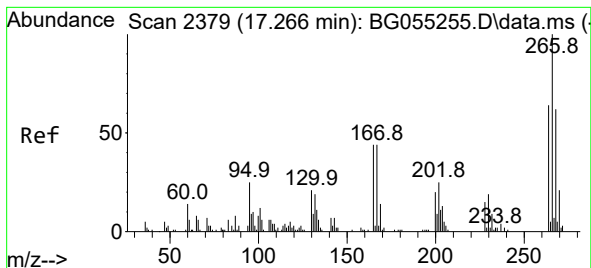
Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

80 12.4 10.1 15.1





#70

Pentachlorophenol

Concen: 3.065 ng

RT: 17.269 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG055283.D

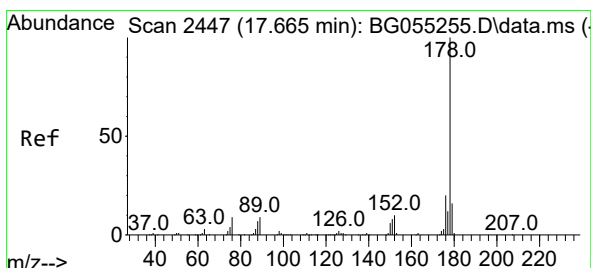
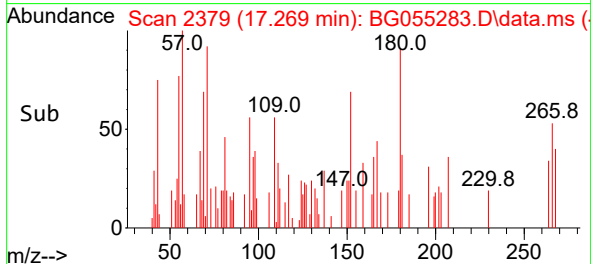
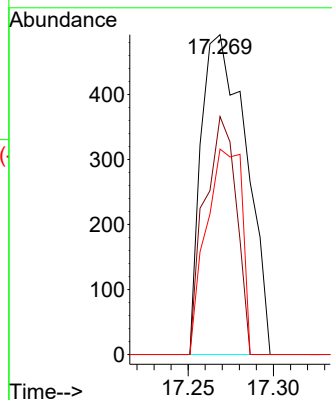
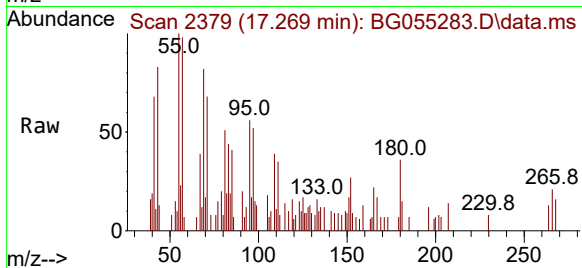
Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	266	Resp:	896
Ion	Ratio	Lower	Upper
266	100		
268	74.4	53.2	79.8
264	64.2	51.5	77.3



#71

Phenanthrene

Concen: 3.185 ng

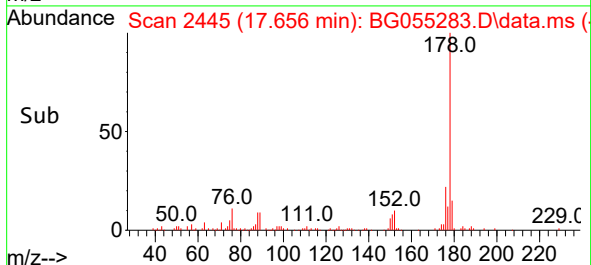
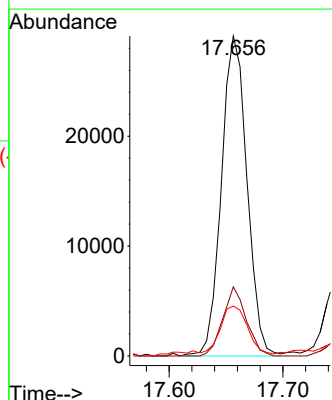
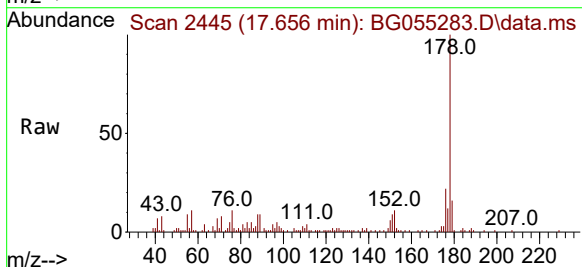
RT: 17.656 min Scan# 2445

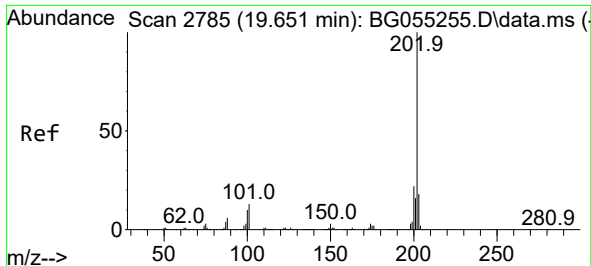
Delta R.T. -0.009 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

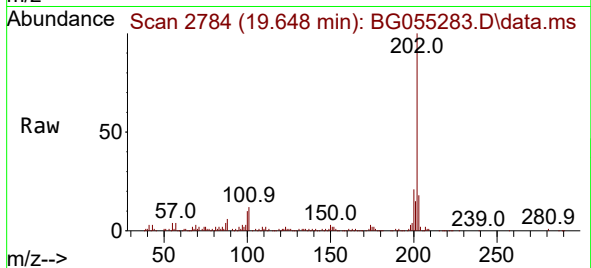
Tgt Ion:	178	Resp:	45527
Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.0	24.0
179	15.6	12.6	19.0



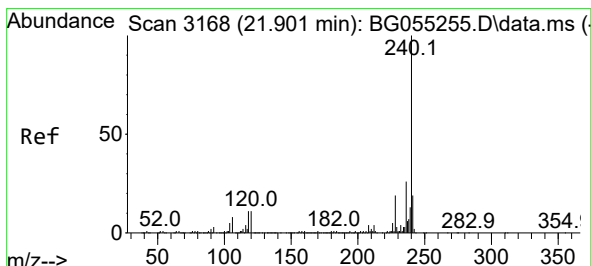
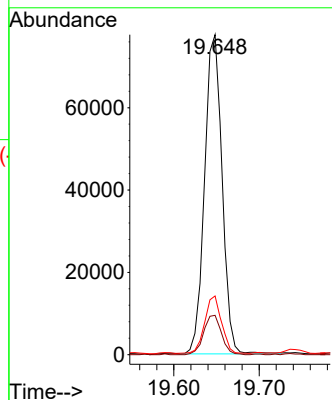
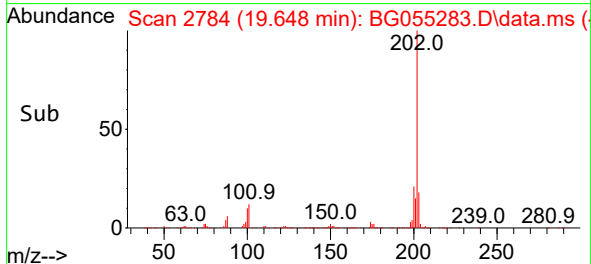


#75
Fluoranthene
Concen: 6.646 ng
RT: 19.648 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

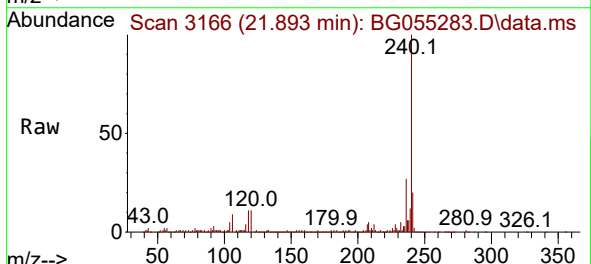
Instrument :
BNA_G
ClientSampleId :



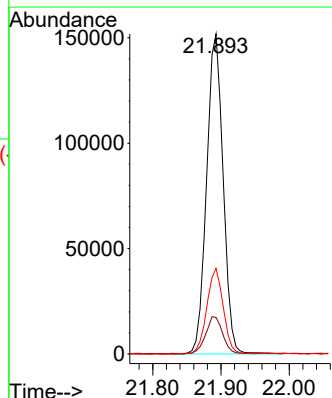
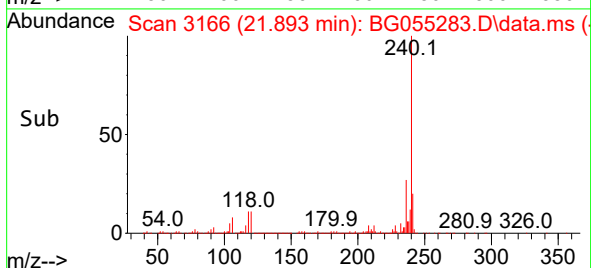
Tgt Ion:202 Resp: 110701
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.6
203 18.4 0.0 38.3

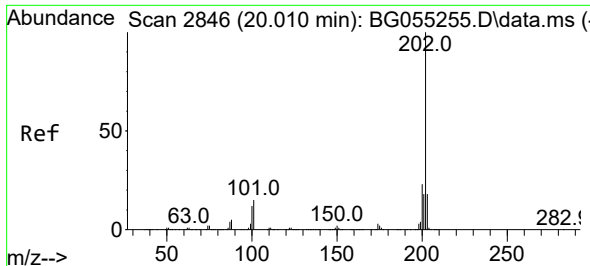


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.893 min Scan# 3166
Delta R.T. -0.009 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58



Tgt Ion:240 Resp: 255811
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.8 21.0 31.4

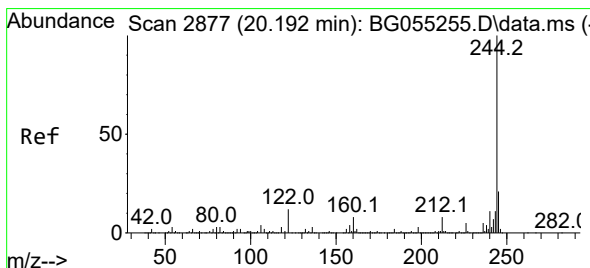
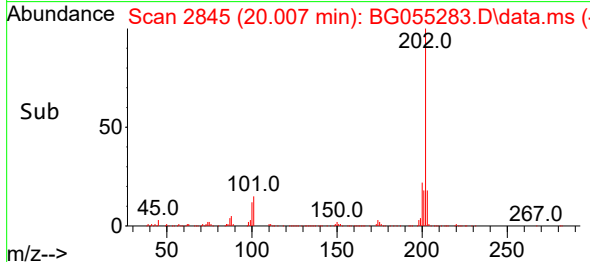
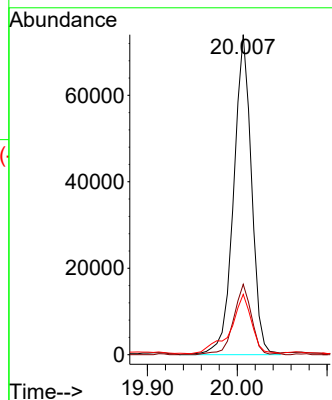
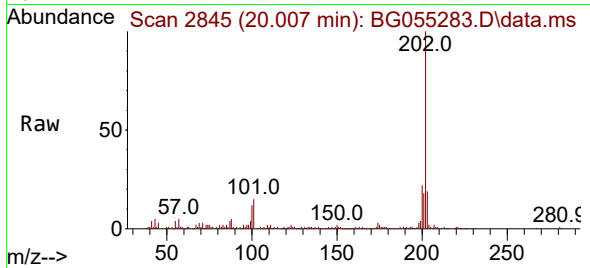




#78
 Pyrene
 Concen: 5.832 ng
 RT: 20.007 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG055283.D
 Acq: 25 Oct 2022 19:58

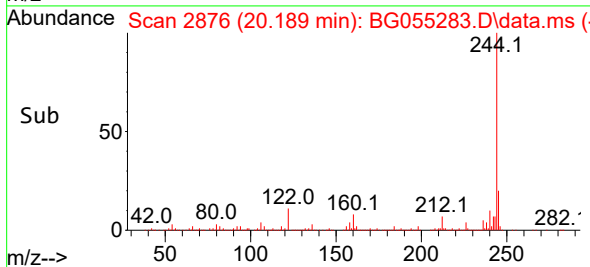
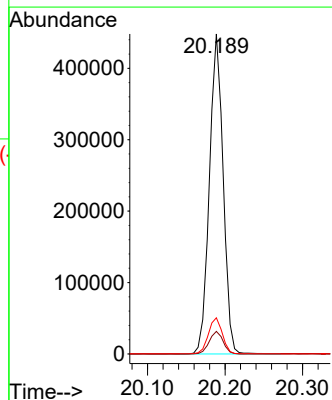
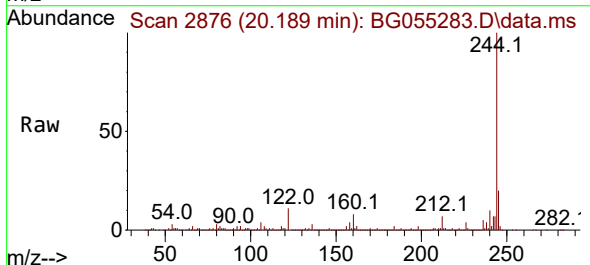
Instrument :
 BNA_G
 ClientSampleId :

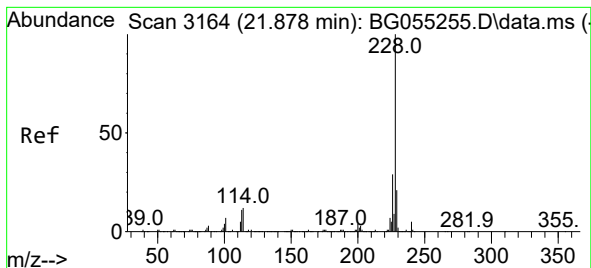
Tgt Ion:202 Resp: 102259
 Ion Ratio Lower Upper
 202 100
 200 22.0 18.0 27.0
 203 18.8 14.3 21.5



#79
 Terphenyl-d14
 Concen: 44.825 ng
 RT: 20.189 min Scan# 2876
 Delta R.T. -0.003 min
 Lab File: BG055283.D
 Acq: 25 Oct 2022 19:58

Tgt Ion:244 Resp: 551895
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.3 9.6 14.4





#81

Benzo(a)anthracene

Concen: 3.463 ng

RT: 21.869 min Scan# 3162

Delta R.T. -0.009 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :

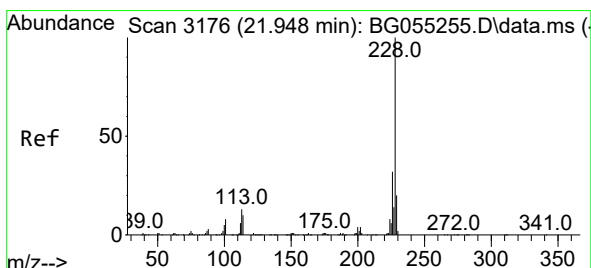
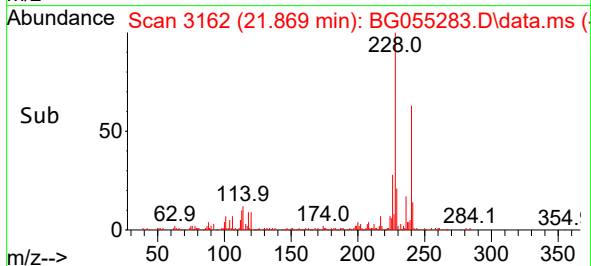
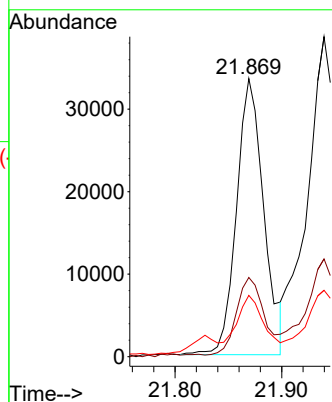
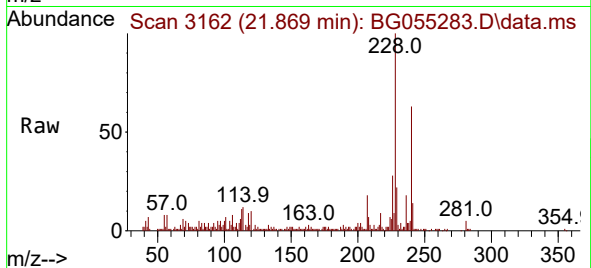
Tgt Ion:228 Resp: 59483

Ion Ratio Lower Upper

228 100

226 28.5 22.9 34.3

229 22.0 16.7 25.1



#83

Chrysene

Concen: 4.604 ng

RT: 21.940 min Scan# 3174

Delta R.T. -0.009 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

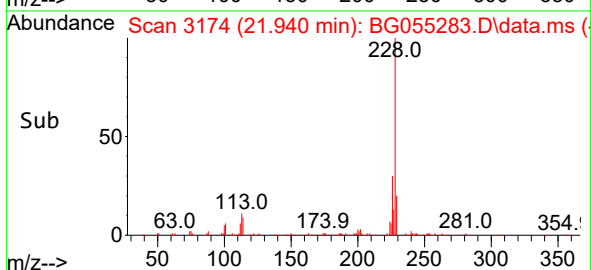
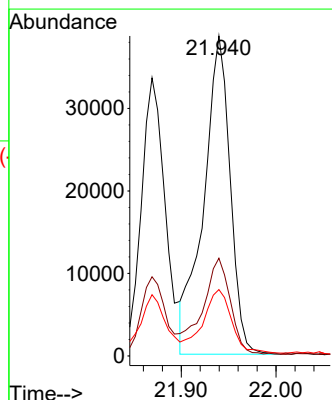
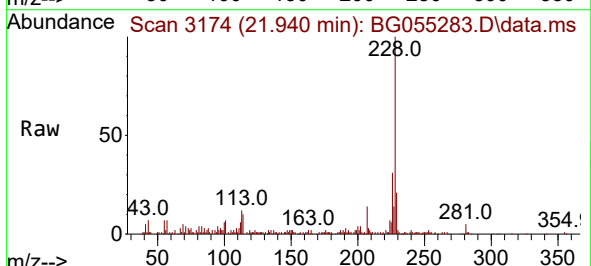
Tgt Ion:228 Resp: 75132

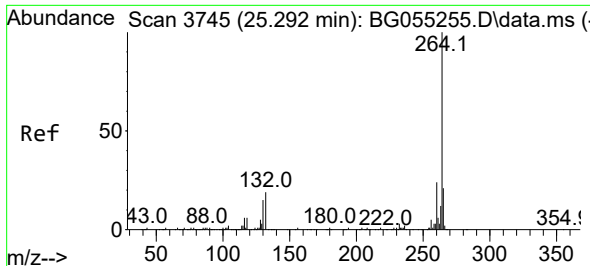
Ion Ratio Lower Upper

228 100

226 30.5 25.8 38.8

229 20.8 16.3 24.5

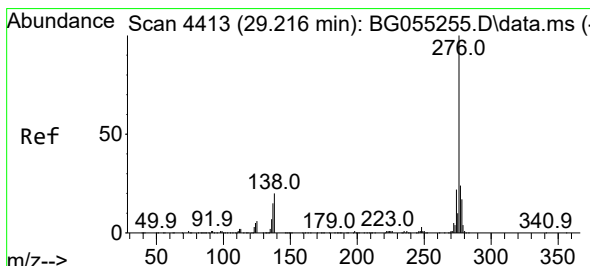
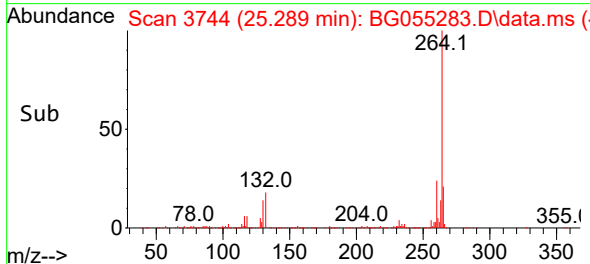
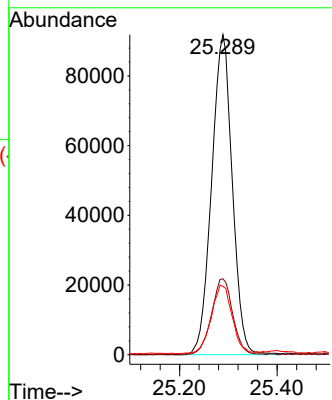
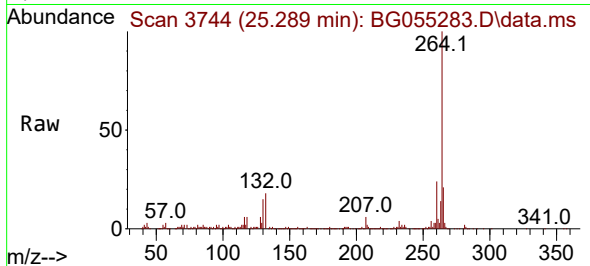




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.289 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

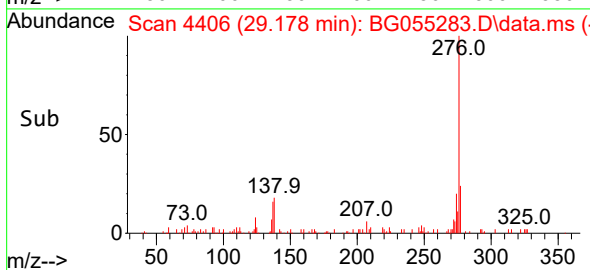
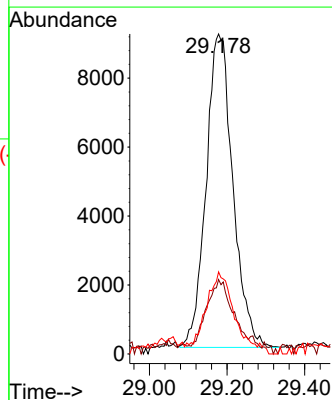
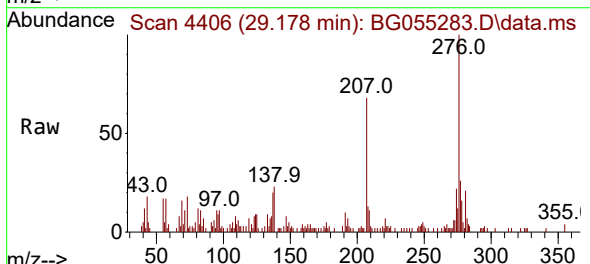
Instrument :
BNA_G
ClientSampleId :

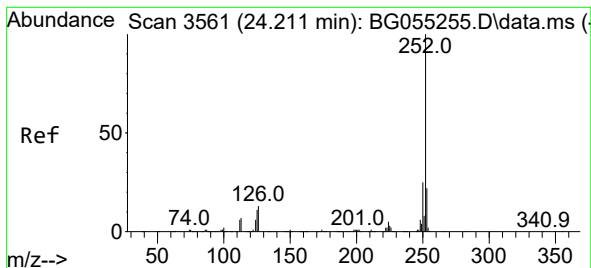
Tgt Ion:264 Resp: 269783
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 21.3 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.186 ng
RT: 29.178 min Scan# 4406
Delta R.T. -0.038 min
Lab File: BG055283.D
Acq: 25 Oct 2022 19:58

Tgt Ion:276 Resp: 43566
Ion Ratio Lower Upper
276 100
138 19.9 13.9 20.9
277 23.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.059 ng

RT: 24.202 min Scan# 3559

Delta R.T. -0.009 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :

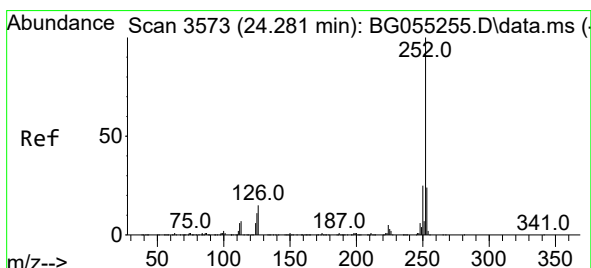
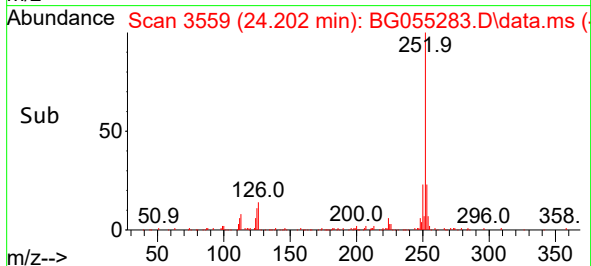
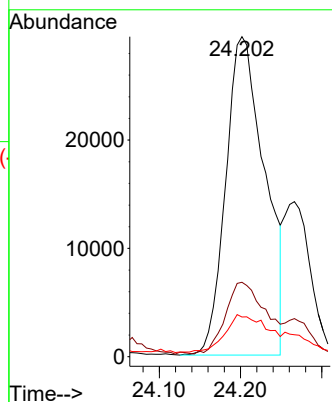
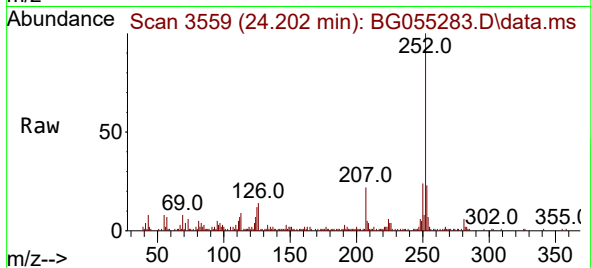
Tgt Ion:252 Resp: 98331

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 12.4 9.0 13.4



#89

Benzo(k)fluoranthene

Concen: 6.001 ng

RT: 24.202 min Scan# 3559

Delta R.T. -0.079 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

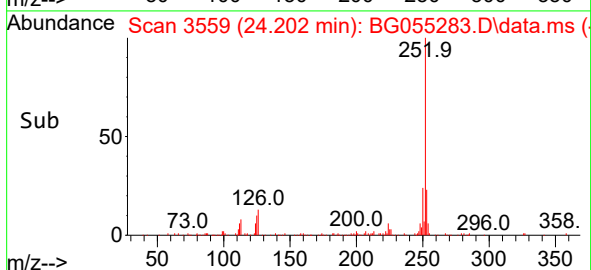
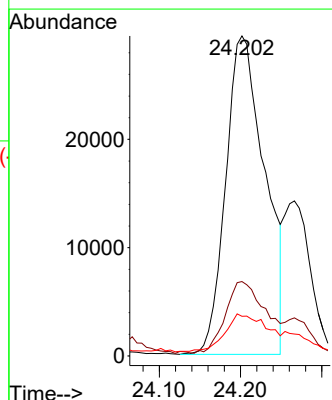
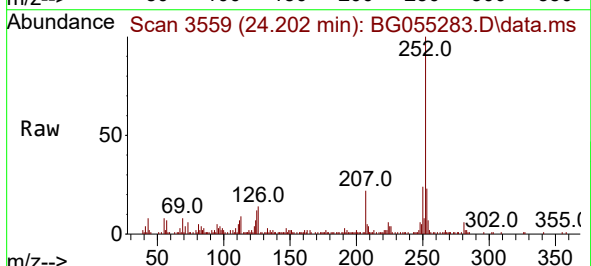
Tgt Ion:252 Resp: 98331

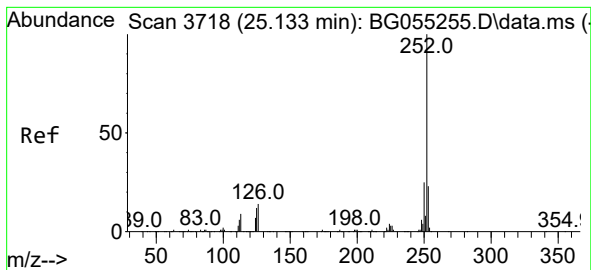
Ion Ratio Lower Upper

252 100

253 23.2 18.6 27.8

125 12.4 9.1 13.7





#90

Benzo(a)pyrene

Concen: 4.148 ng

RT: 25.124 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Instrument :

BNA_G

ClientSampleId :

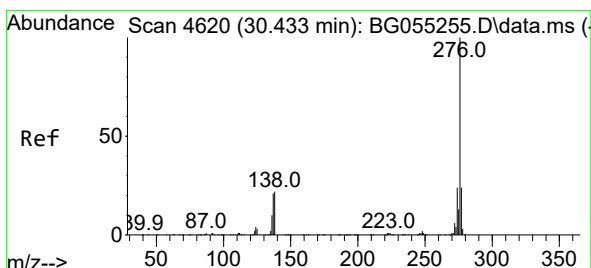
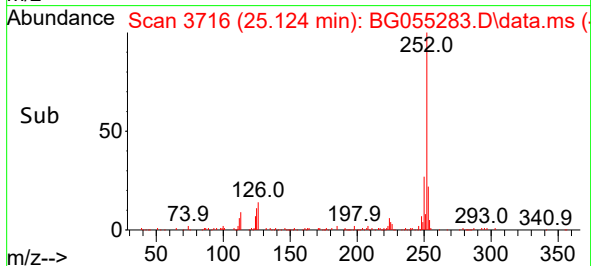
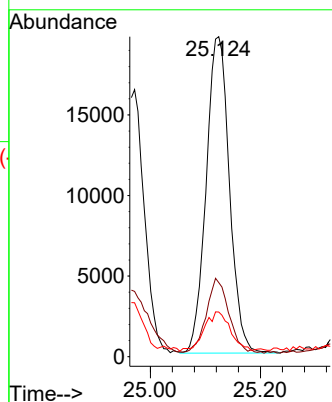
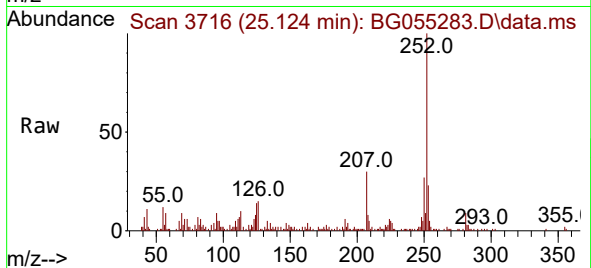
Tgt Ion:252 Resp: 57719

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

125 14.0 9.8 14.8



#92

Benzo(g,h,i)perylene

Concen: 2.575 ng

RT: 30.412 min Scan# 4616

Delta R.T. -0.021 min

Lab File: BG055283.D

Acq: 25 Oct 2022 19:58

Tgt Ion:276 Resp: 41763

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 19.4 17.2 25.8

