

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055282.D
 Acq On : 25 Oct 2022 19:15
 Operator : CG/JU
 Sample : N5254-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 26 14:45:46 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)

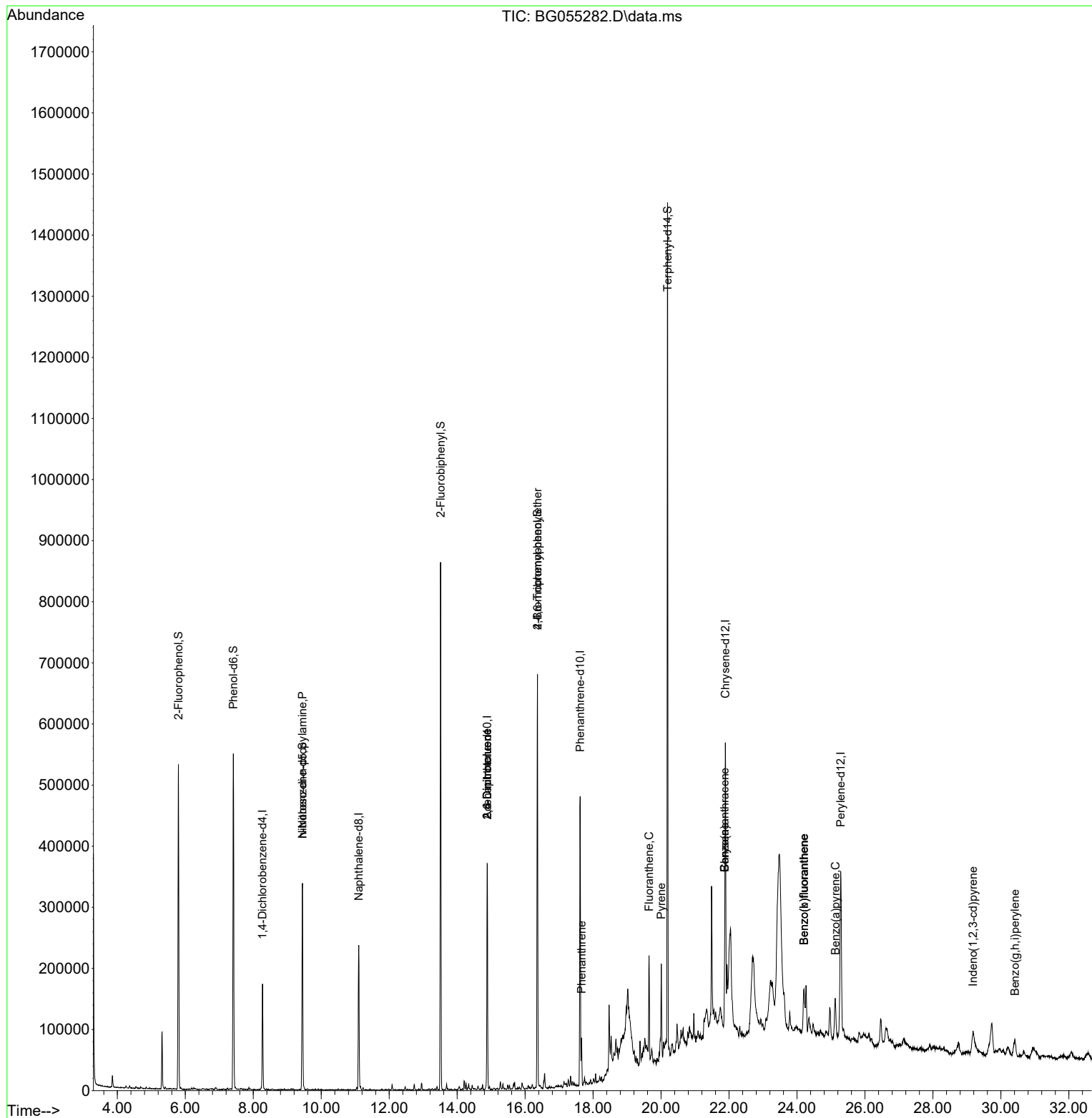
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	47412	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	202544	20.000	ng	0.00
39) Acenaphthene-d10	14.881	164	128212	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	287707	20.000	ng	0.00
76) Chrysene-d12	21.890	240	262948	20.000	ng	-0.01
86) Perylene-d12	25.286	264	277780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	238885	88.223	ng	0.00
7) Phenol-d6	7.413	99	333247	84.949	ng	0.00
23) Nitrobenzene-d5	9.446	82	214557	54.092	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	122050	87.568	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	416800	53.209	ng	0.00
79) Terphenyl-d14	20.192	244	662874	52.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.446	70	28314	8.692	ng	# 79
51) 2,6-Dinitrotoluene	14.881	165	17037	8.317	ng	# 22
57) 2,4-Dinitrotoluene	14.881	165	17037	5.731	ng	# 20
67) 4-Bromophenyl-phenylether	16.362	248	7984	2.856	ng	# 1
71) Phenanthrene	17.660	178	46531	3.033	ng	97
75) Fluoranthene	19.646	202	97801	5.470	ng	97
78) Pyrene	20.004	202	92856	5.152	ng	98
81) Benzo(a)anthracene	21.873	228	57122	3.235	ng	98
83) Chrysene	21.873	228	57122	3.406	ng	94
87) Indeno(1,2,3-cd)pyrene	29.182	276	49648	2.420	ng	# 88
88) Benzo(b)fluoranthene	24.205	252	95523	5.717	ng	# 95
89) Benzo(k)fluoranthene	24.205	252	95523	5.662	ng	# 97
90) Benzo(a)pyrene	25.128	252	67015	4.677	ng	99
92) Benzo(g,h,i)perylene	30.416	276	52228	3.127	ng	99

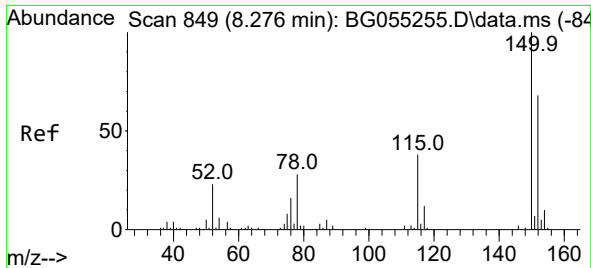
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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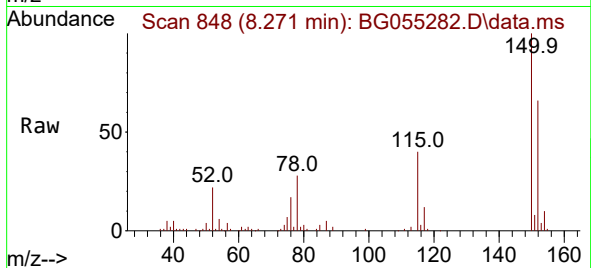
Quant Time: Oct 26 14:45:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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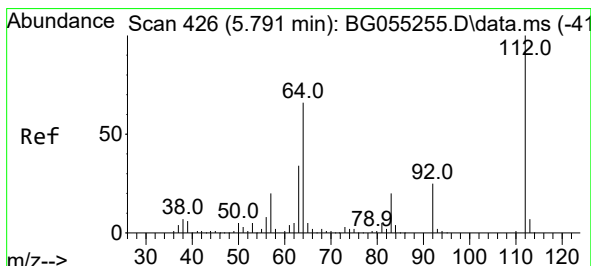
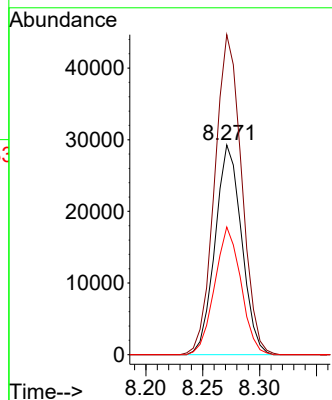
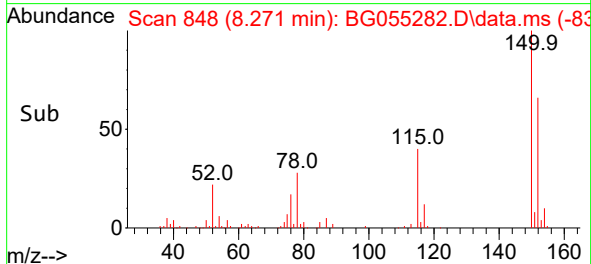


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

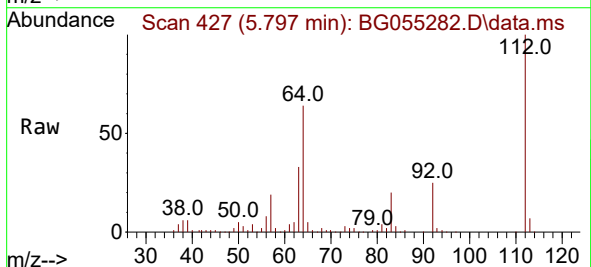
Instrument :
BNA_G
ClientSampleId :



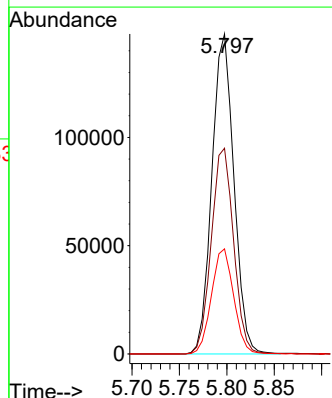
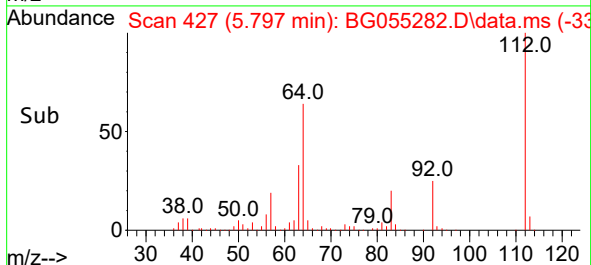
Tgt Ion:152 Resp: 47412
Ion Ratio Lower Upper
152 100
150 152.5 118.2 177.4
115 60.9 44.5 66.7



#5
2-Fluorophenol
Concen: 88.223 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.007 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15



Tgt Ion:112 Resp: 238885
Ion Ratio Lower Upper
112 100
64 64.3 52.6 78.8
63 32.9 27.1 40.7





#7

Phenol-d6

Concen: 84.949 ng

RT: 7.413 min Scan# 702

Delta R.T. 0.001 min

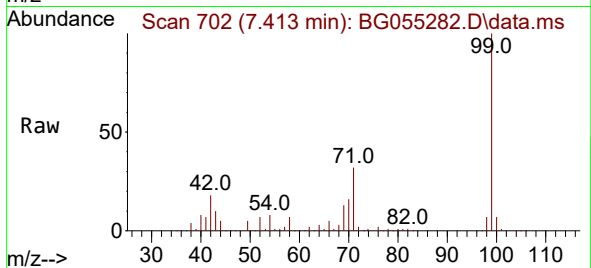
Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

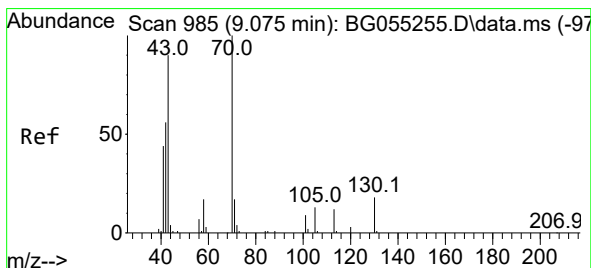
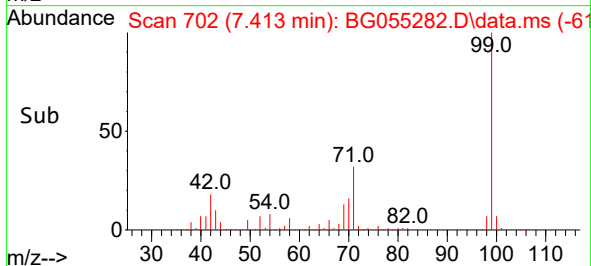
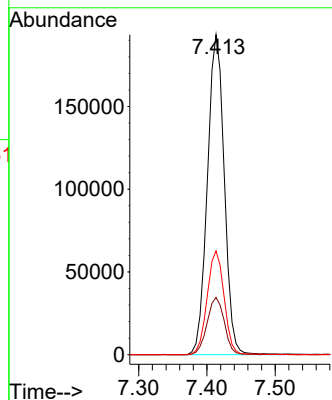
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	99	Resp:	333247
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.2	22.8
71	32.4	26.2	39.4



#19

n-Nitroso-di-n-propylamine

Concen: 8.692 ng

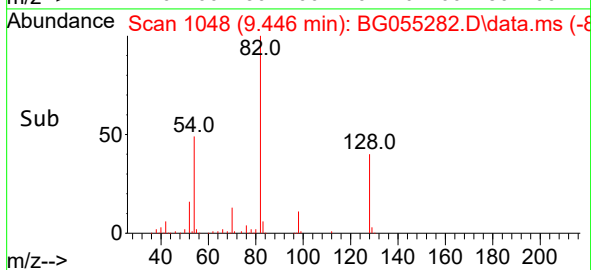
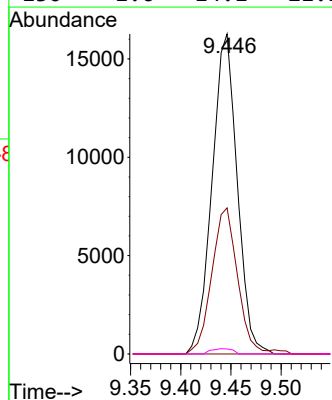
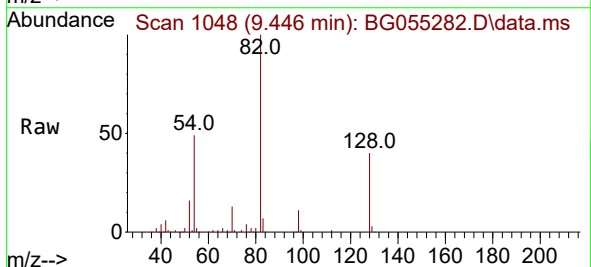
RT: 9.446 min Scan# 1048

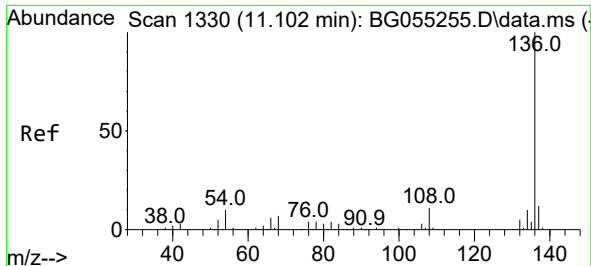
Delta R.T. 0.371 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Tgt Ion:	70	Resp:	28314
Ion	Ratio	Lower	Upper
70	100		
42	45.6	45.8	68.6#
101	0.0	7.4	11.0#
130	1.6	14.1	21.1#

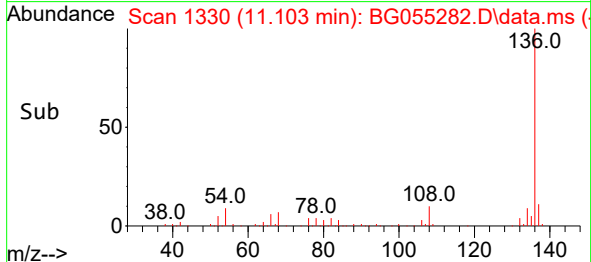
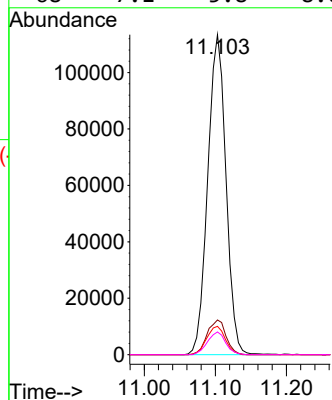
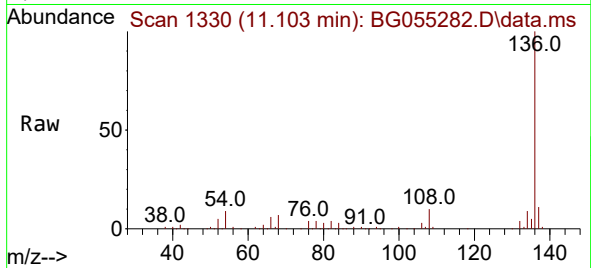




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

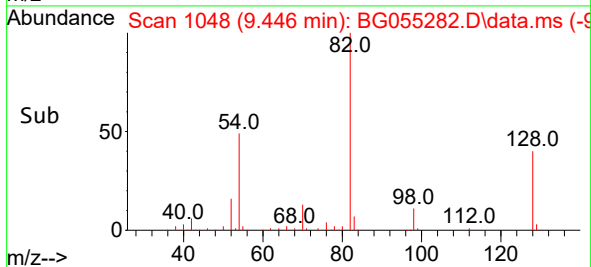
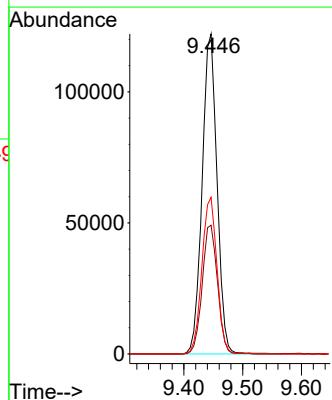
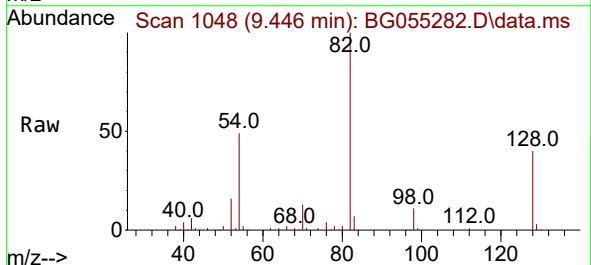
Instrument :
BNA_G
ClientSampleId :

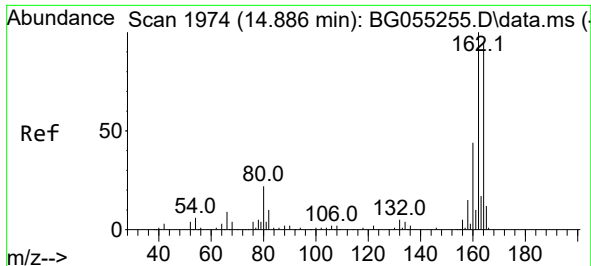
Tgt Ion:136 Resp: 202544
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 8.9 7.8 11.8
68 7.1 5.8 8.6



#23
Nitrobenzene-d5
Concen: 54.092 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Tgt Ion: 82 Resp: 214557
Ion Ratio Lower Upper
82 100
128 40.3 32.0 48.0
54 49.0 40.9 61.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.881 min Scan# 1974

Delta R.T. -0.005 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :

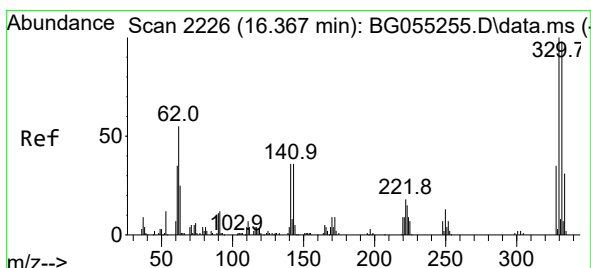
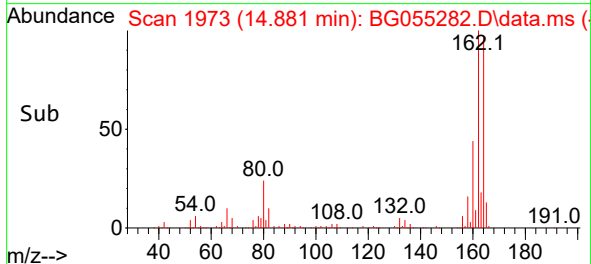
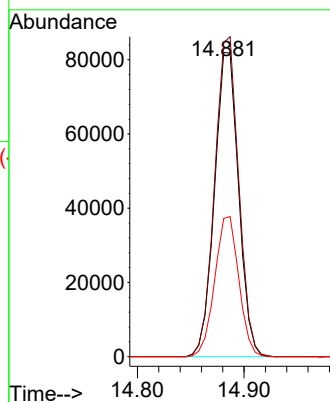
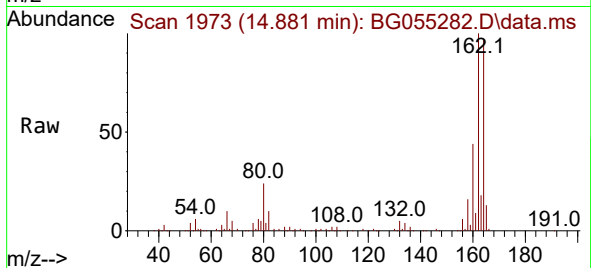
Tgt Ion:164 Resp: 128212

Ion Ratio Lower Upper

164 100

162 103.2 84.0 126.0

160 45.4 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 87.568 ng

RT: 16.362 min Scan# 2225

Delta R.T. -0.005 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

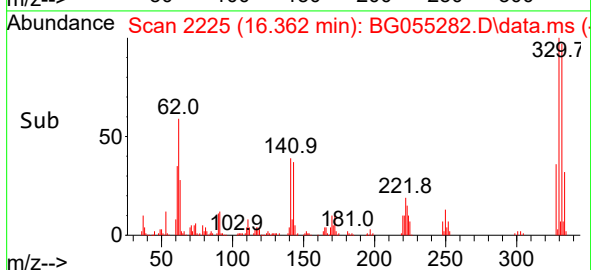
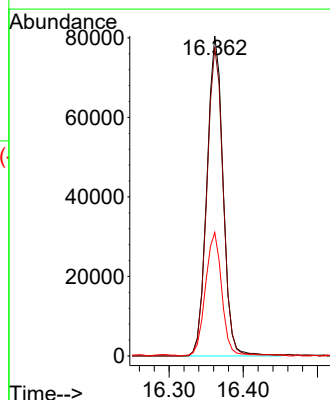
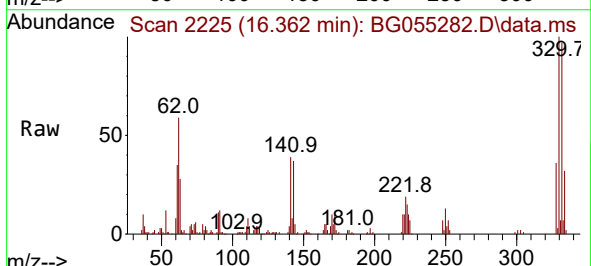
Tgt Ion:330 Resp: 122050

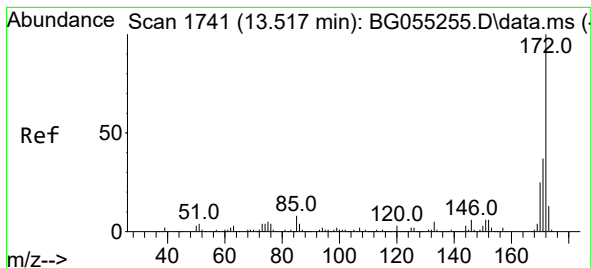
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 39.2 29.8 44.8

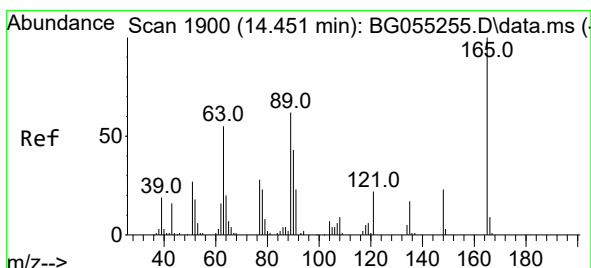
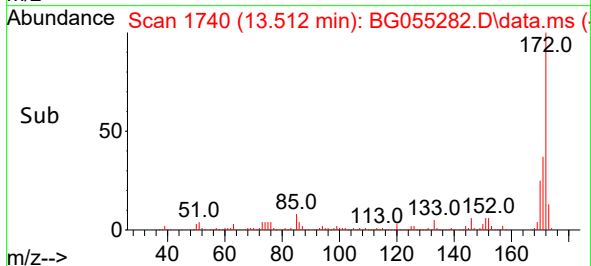
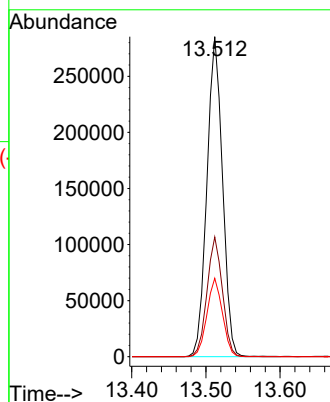
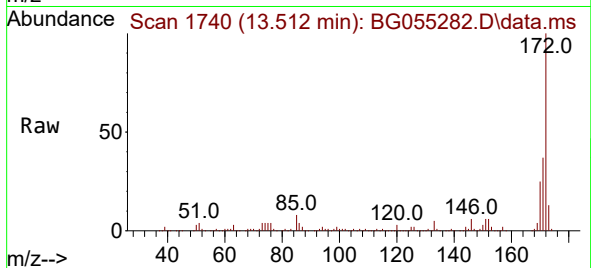




#45
2-Fluorobiphenyl
Concen: 53.209 ng
RT: 13.512 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

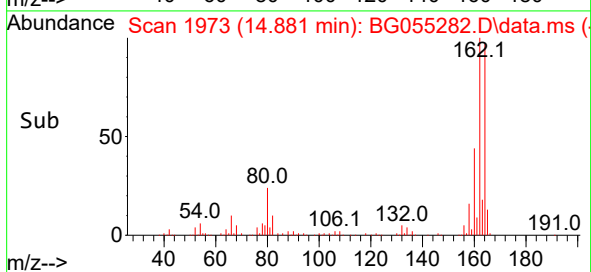
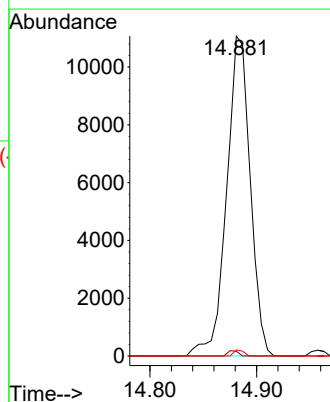
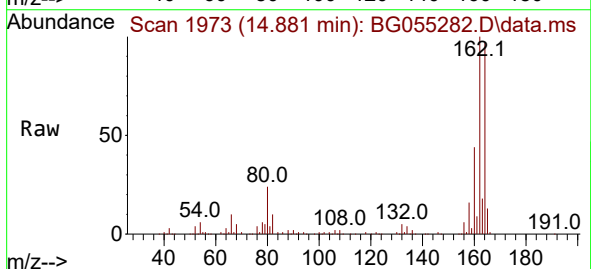
Instrument :
BNA_G
ClientSampleId :

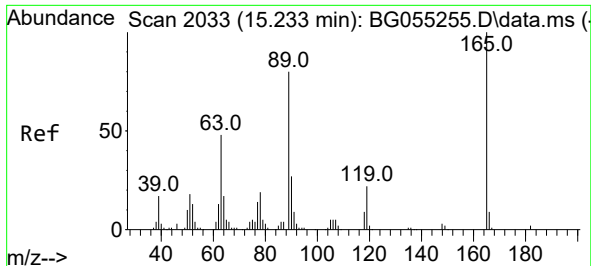
Tgt Ion:172 Resp: 416800
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 24.5 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.317 ng
RT: 14.881 min Scan# 1973
Delta R.T. 0.430 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Tgt Ion:165 Resp: 17037
Ion Ratio Lower Upper
165 100
63 1.4 49.2 73.8#
89 1.9 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.731 ng

RT: 14.881 min Scan# 1973

Delta R.T. -0.352 min

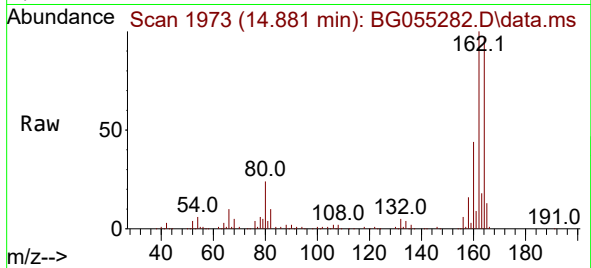
Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 17037

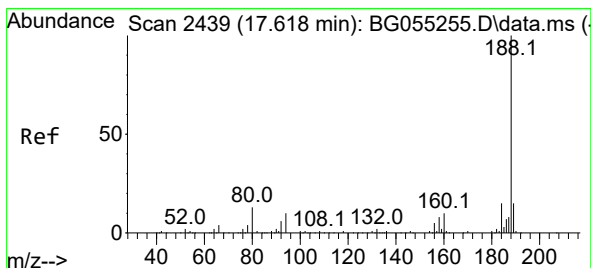
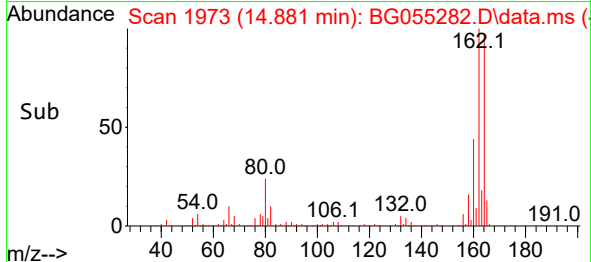
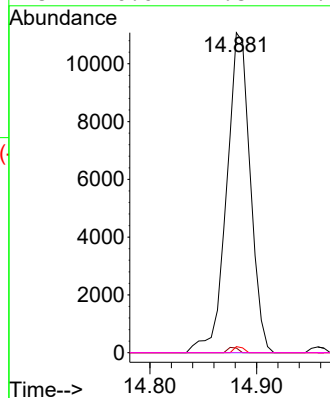
Ion Ratio Lower Upper

165 100

63 1.4 38.9 58.3#

89 1.9 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.619 min Scan# 2439

Delta R.T. 0.001 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

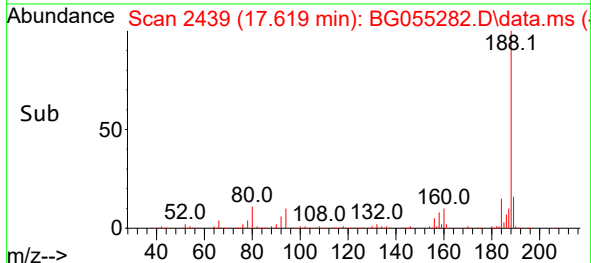
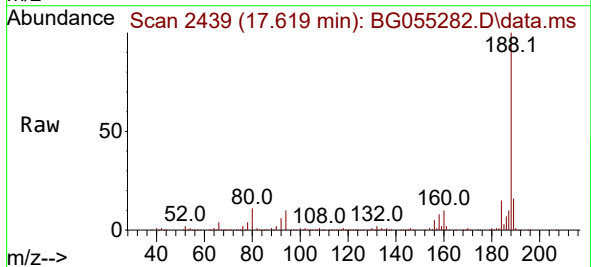
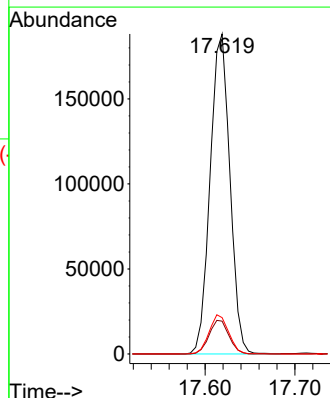
Tgt Ion:188 Resp: 287707

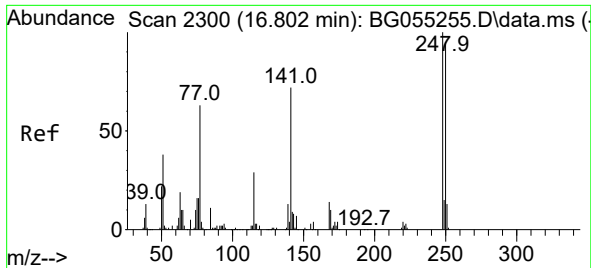
Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.4

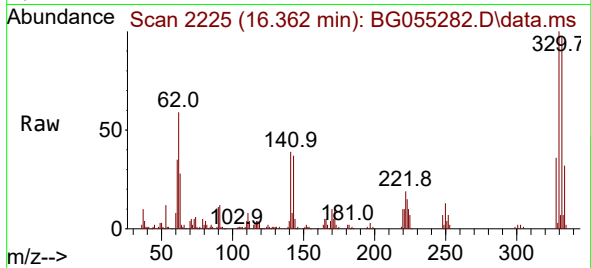
80 11.4 10.1 15.1



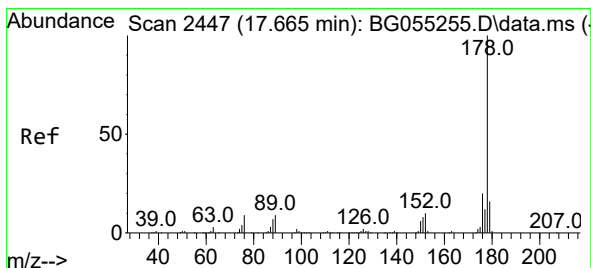
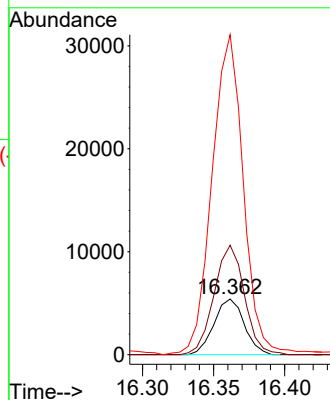
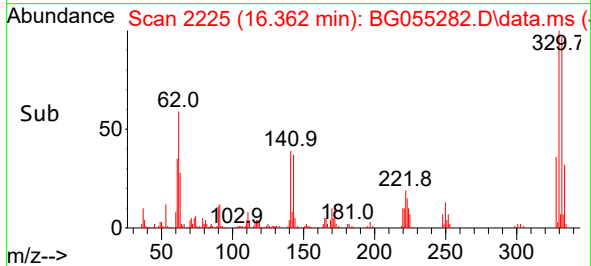


#67
4-Bromophenyl-phenylether
Concen: 2.856 ng
RT: 16.362 min Scan# 21
Delta R.T. -0.440 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Instrument :
BNA_G
ClientSampleId :

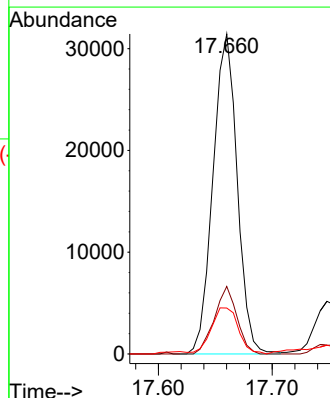
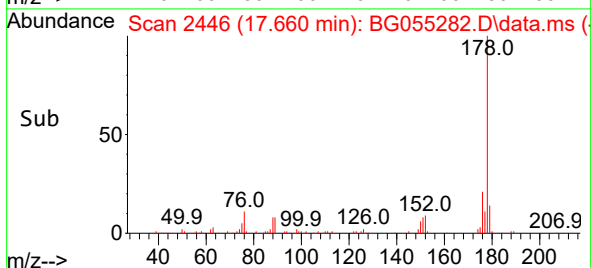
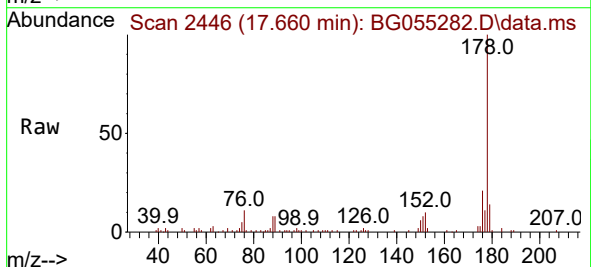


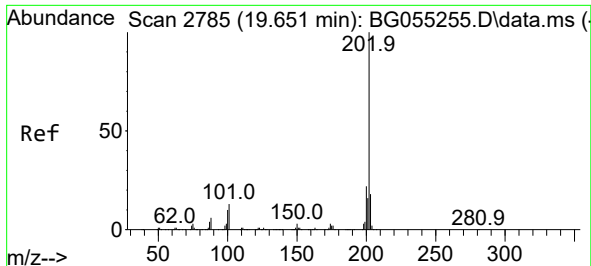
Tgt Ion:248 Resp: 7984
Ion Ratio Lower Upper
248 100
250 148.1 76.0 114.0#
141 433.1 58.0 87.0#



#71
Phenanthrene
Concen: 3.033 ng
RT: 17.660 min Scan# 2446
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Tgt Ion:178 Resp: 46531
Ion Ratio Lower Upper
178 100
176 21.1 16.0 24.0
179 14.4 12.6 19.0

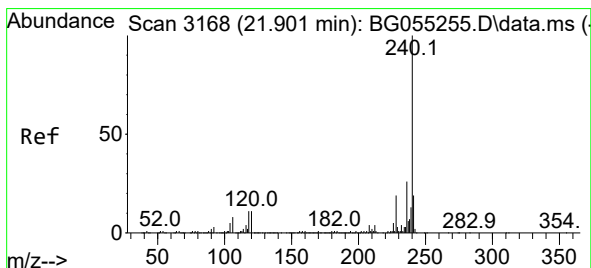
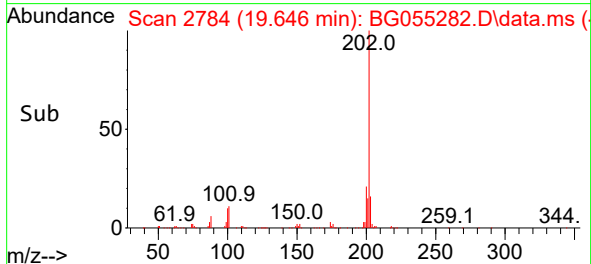
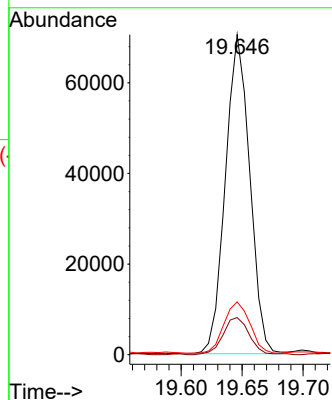
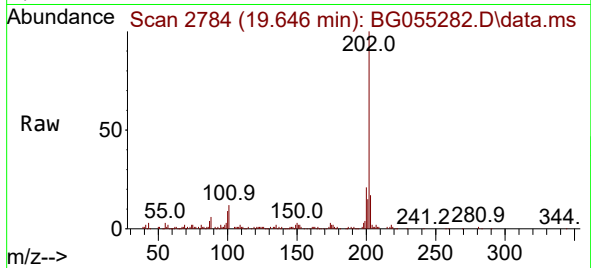




#75
Fluoranthene
Concen: 5.470 ng
RT: 19.646 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

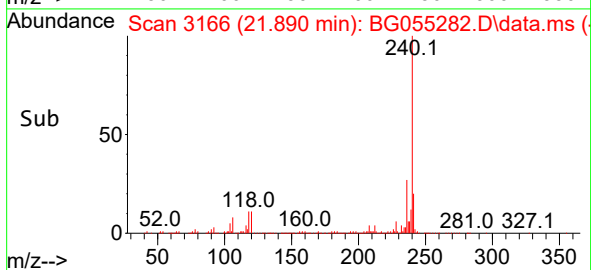
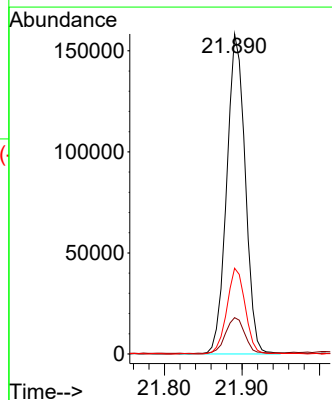
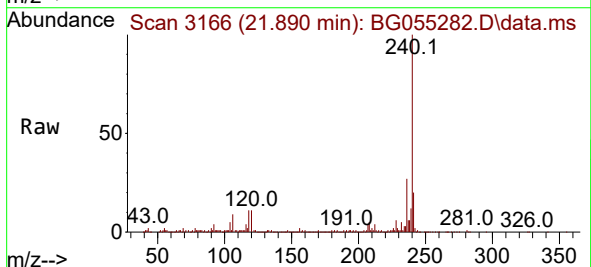
Instrument :
BNA_G
ClientSampleId :

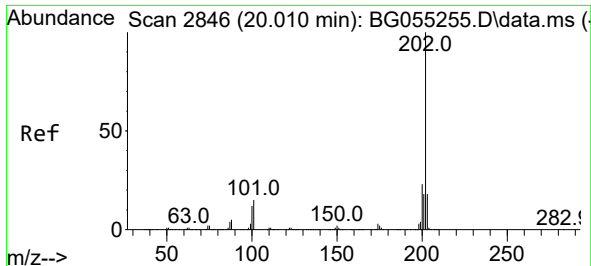
Tgt Ion:202 Resp: 97801
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.6
203 16.5 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.890 min Scan# 3166
Delta R.T. -0.011 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

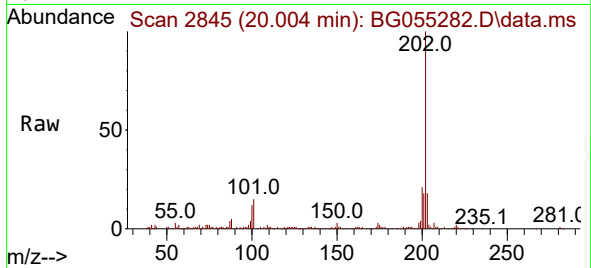
Tgt Ion:240 Resp: 262948
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.8 21.0 31.4



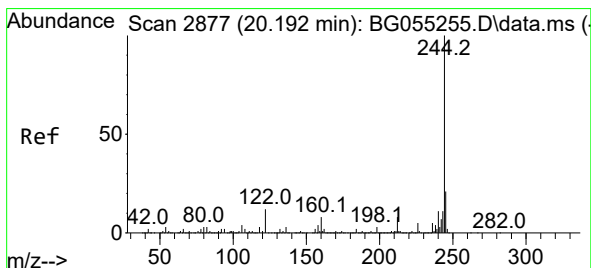
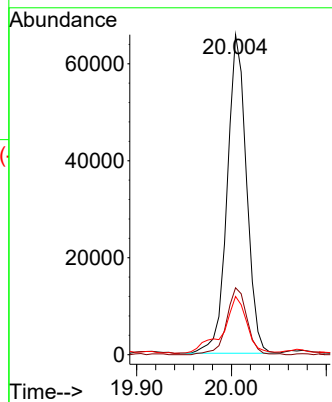
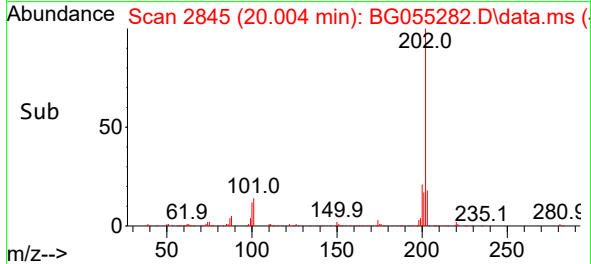


#78
 Pyrene
 Concen: 5.152 ng
 RT: 20.004 min Scan# 2845
 Delta R.T. -0.006 min
 Lab File: BG055282.D
 Acq: 25 Oct 2022 19:15

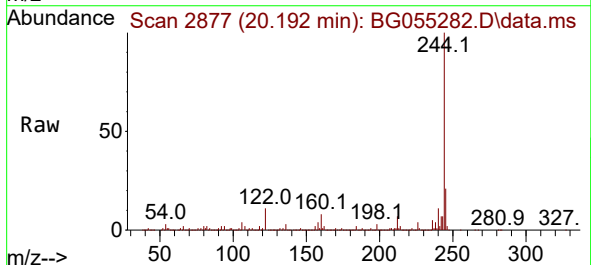
Instrument :
 BNA_G
 ClientSampleId :



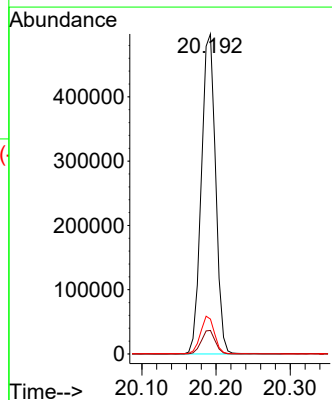
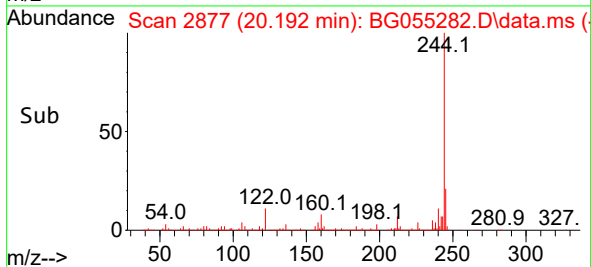
Tgt Ion:202 Resp: 92856
 Ion Ratio Lower Upper
 202 100
 200 20.9 18.0 27.0
 203 18.2 14.3 21.5

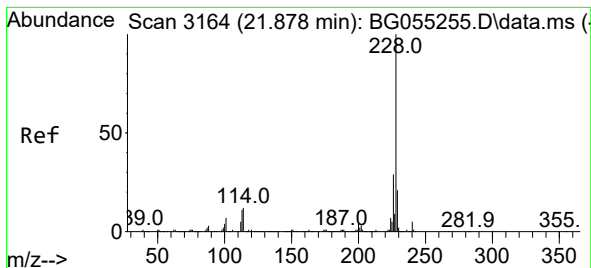


#79
 Terphenyl-d14
 Concen: 52.377 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.001 min
 Lab File: BG055282.D
 Acq: 25 Oct 2022 19:15



Tgt Ion:244 Resp: 662874
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.9 9.6 14.4





#81

Benzo(a)anthracene

Concen: 3.235 ng

RT: 21.873 min Scan# 3163

Delta R.T. -0.005 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :

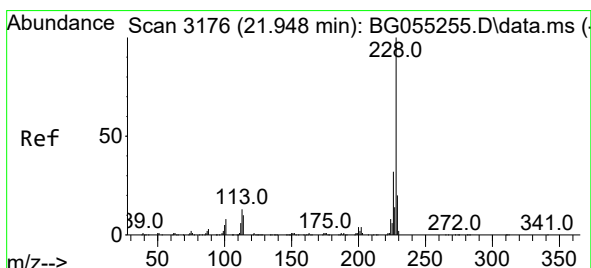
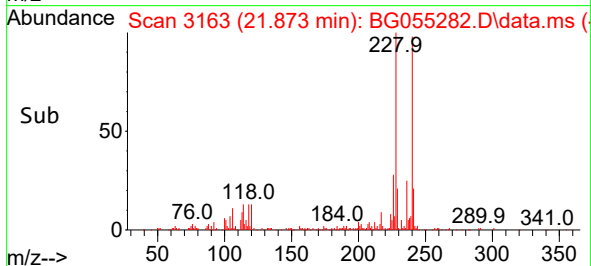
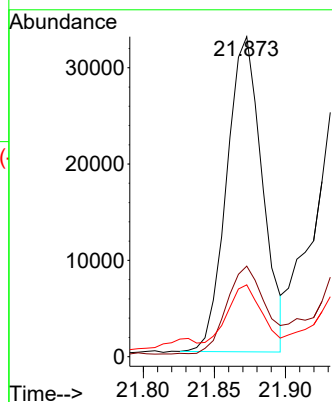
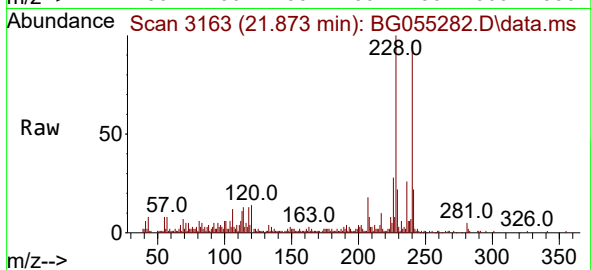
Tgt Ion:228 Resp: 57122

Ion Ratio Lower Upper

228 100

226 28.3 22.9 34.3

229 22.5 16.7 25.1



#83

Chrysene

Concen: 3.406 ng

RT: 21.873 min Scan# 3163

Delta R.T. -0.076 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

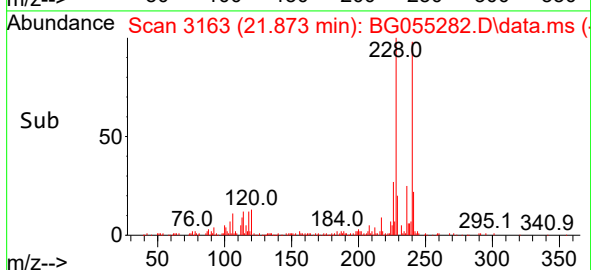
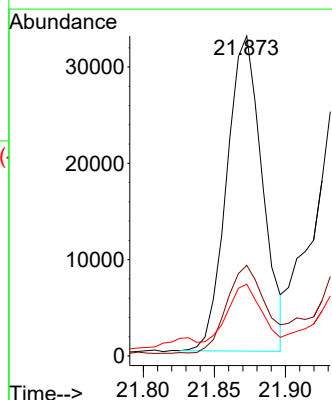
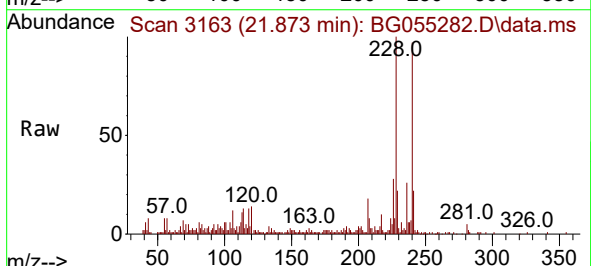
Tgt Ion:228 Resp: 57122

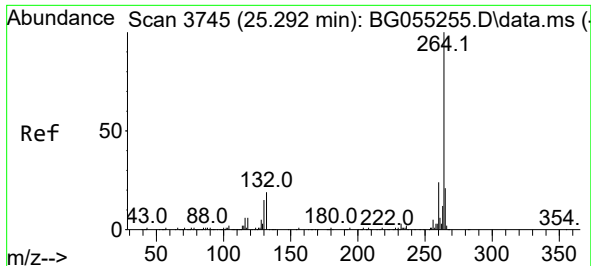
Ion Ratio Lower Upper

228 100

226 28.3 25.8 38.8

229 22.5 16.3 24.5

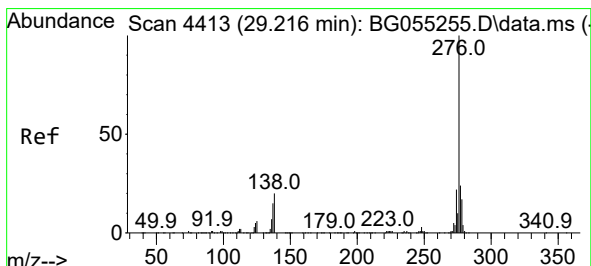
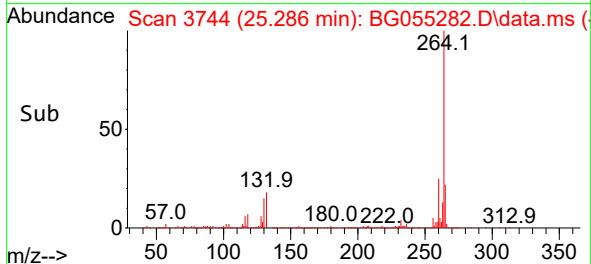
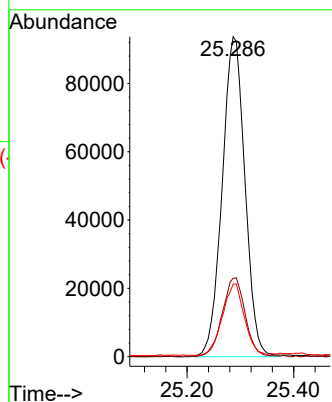
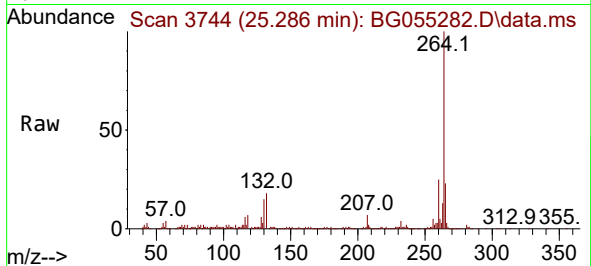




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.286 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

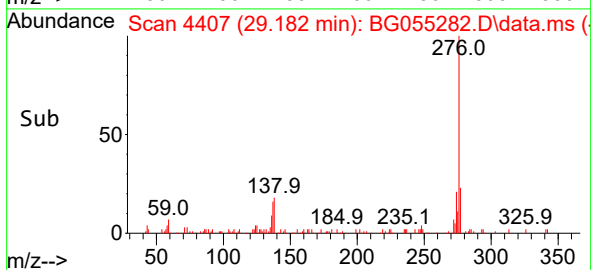
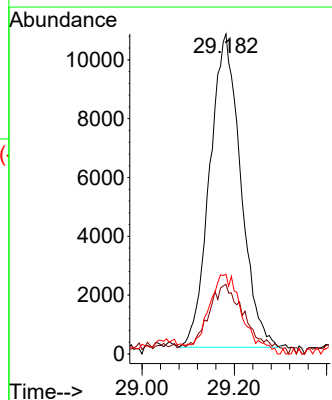
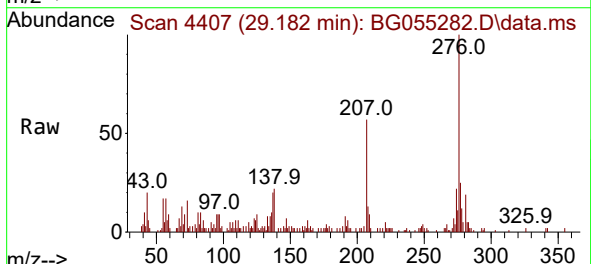
Instrument :
BNA_G
ClientSampleId :

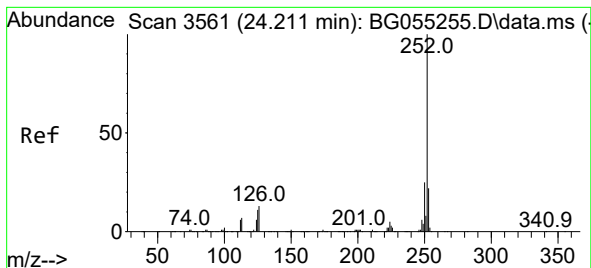
Tgt Ion:264 Resp: 277780
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.6 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.420 ng
RT: 29.182 min Scan# 4407
Delta R.T. -0.035 min
Lab File: BG055282.D
Acq: 25 Oct 2022 19:15

Tgt Ion:276 Resp: 49648
Ion Ratio Lower Upper
276 100
138 27.5 13.9 20.9#
277 27.7 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 5.717 ng

RT: 24.205 min Scan# 3560

Delta R.T. -0.005 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :

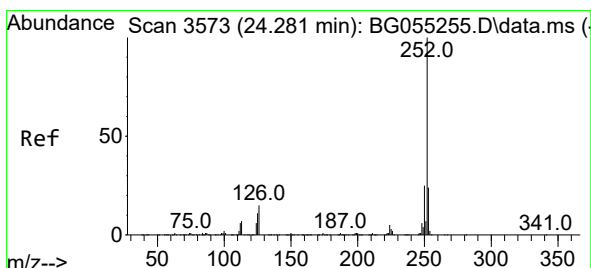
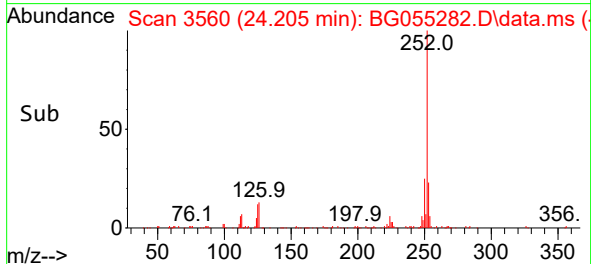
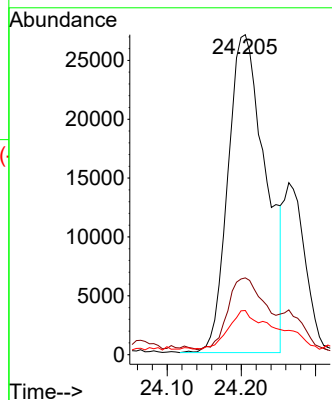
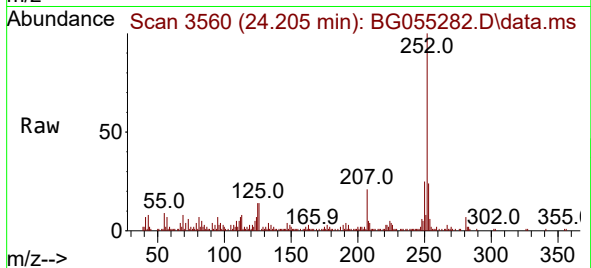
Tgt Ion:252 Resp: 95523

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 13.8 9.0 13.4#



#89

Benzo(k)fluoranthene

Concen: 5.662 ng

RT: 24.205 min Scan# 3560

Delta R.T. -0.076 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

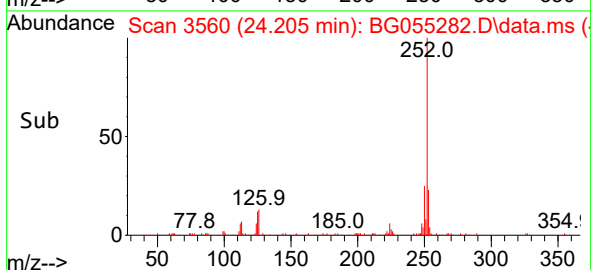
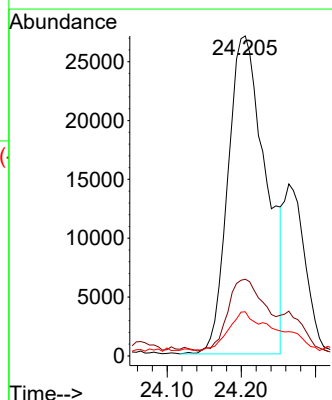
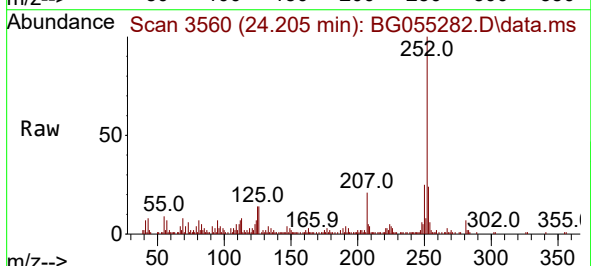
Tgt Ion:252 Resp: 95523

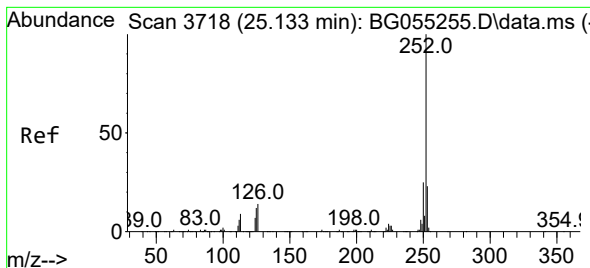
Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

125 13.8 9.1 13.7#





#90

Benzo(a)pyrene

Concen: 4.677 ng

RT: 25.128 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Instrument :

BNA_G

ClientSampleId :

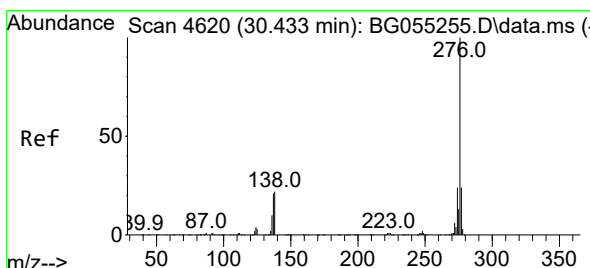
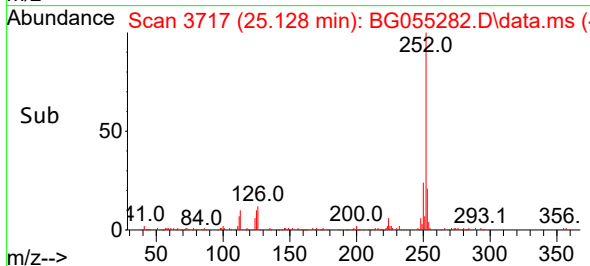
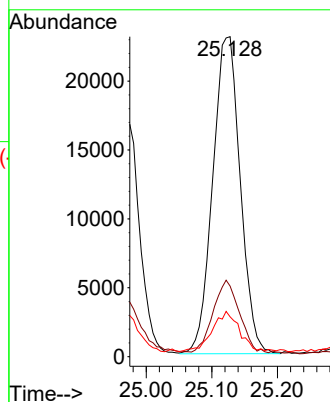
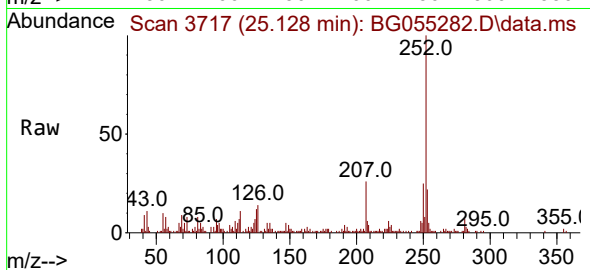
Tgt Ion:252 Resp: 67015

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

125 12.4 9.8 14.8



#92

Benzo(g,h,i)perylene

Concen: 3.127 ng

RT: 30.416 min Scan# 4617

Delta R.T. -0.017 min

Lab File: BG055282.D

Acq: 25 Oct 2022 19:15

Tgt Ion:276 Resp: 52228

Ion Ratio Lower Upper

276 100

277 22.7 19.1 28.7

138 21.5 17.2 25.8

