

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055681.D
 Acq On : 18 Nov 2022 1:29
 Operator : CG/JU
 Sample : N5660-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-11622

Quant Time: Nov 18 03:18:52 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)

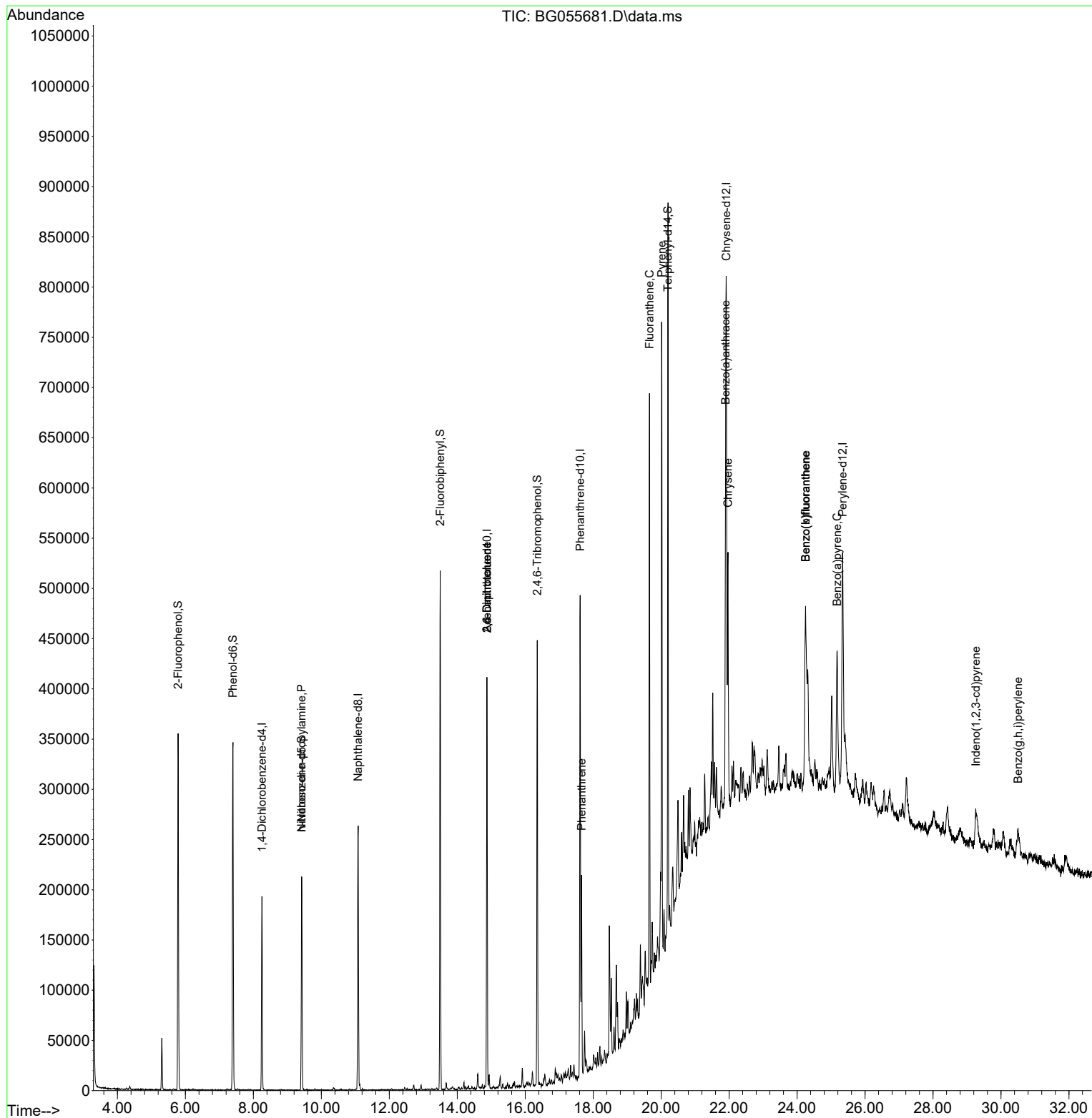
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	56831	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	228476	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	148815	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	316029	20.000	ng	0.00
76) Chrysene-d12	21.919	240	292027	20.000	ng	0.00
86) Perylene-d12	25.344	264	284293	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	157504	50.094	ng	0.00
7) Phenol-d6	7.401	99	201781	48.211	ng	0.01
23) Nitrobenzene-d5	9.422	82	124178	28.727	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	92776	44.274	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	275519	27.737	ng	0.00
79) Terphenyl-d14	20.203	244	367491	25.170	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.422	70	16458	5.118	ng	# 75
51) 2,6-Dinitrotoluene	14.874	165	19688	8.117	ng	# 26
57) 2,4-Dinitrotoluene	14.874	165	19688	5.757	ng	# 24
71) Phenanthrene	17.659	178	126542	7.420	ng	98
75) Fluoranthene	19.657	202	370817	17.873	ng	100
78) Pyrene	20.015	202	403843	20.430	ng	99
81) Benzo(a)anthracene	21.896	228	212064	10.543	ng	98
83) Chrysene	21.966	228	200014	10.446	ng	99
87) Indeno(1,2,3-cd)pyrene	29.263	276	80614	3.461	ng	94
88) Benzo(b)fluoranthene	24.252	252	259440	14.013	ng	# 92
89) Benzo(k)fluoranthene	24.252	252	259440	14.058	ng	# 92
90) Benzo(a)pyrene	25.180	252	188353	11.855	ng	# 97
92) Benzo(g,h,i)perylene	30.503	276	71141	3.709	ng	97

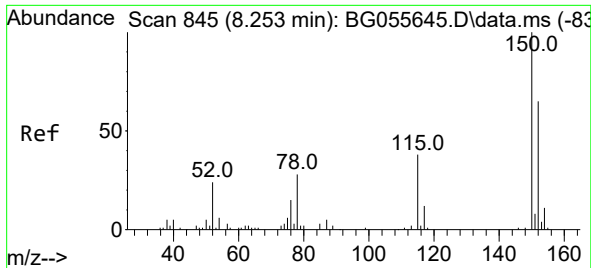
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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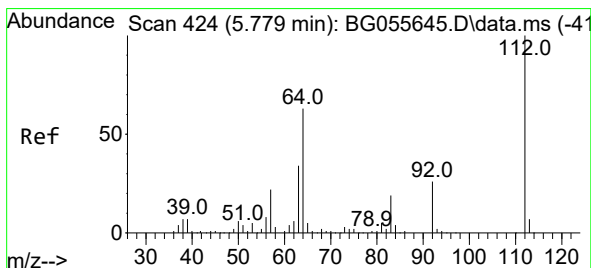
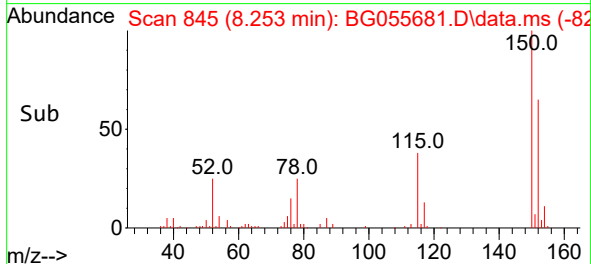
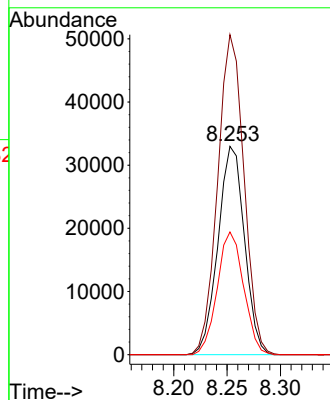
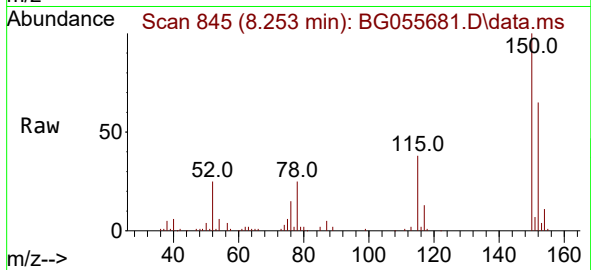




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

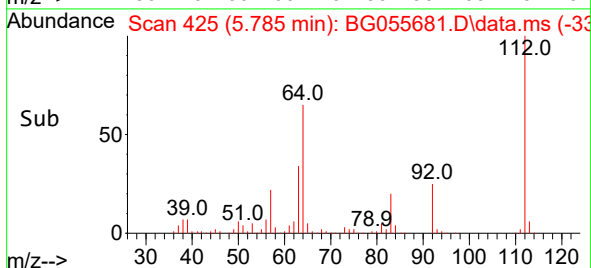
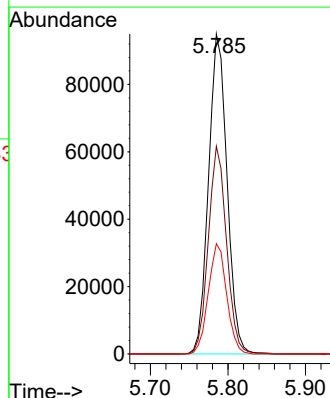
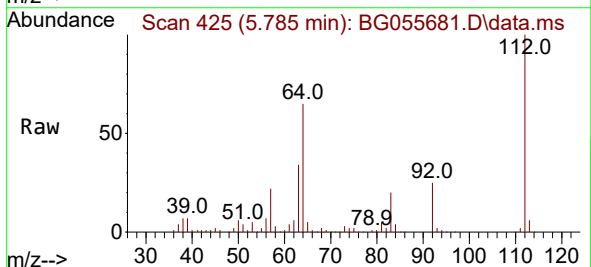
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

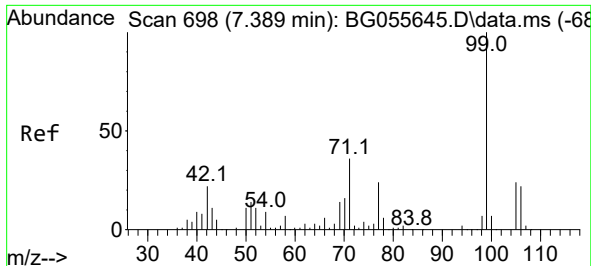
Tgt Ion:152 Resp: 56831
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.6
115 58.9 47.0 70.4



#5
2-Fluorophenol
Concen: 50.094 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:112 Resp: 157504
Ion Ratio Lower Upper
112 100
64 64.9 50.6 76.0
63 34.5 27.5 41.3

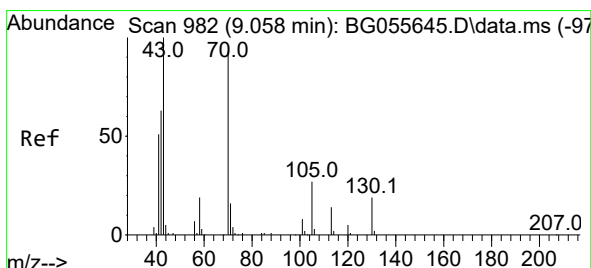
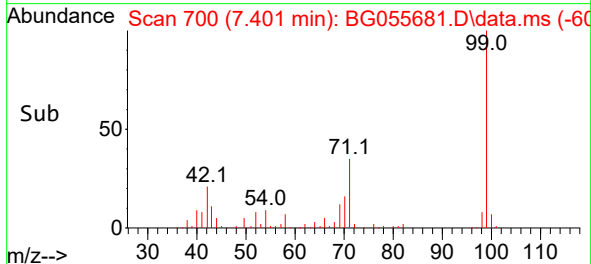
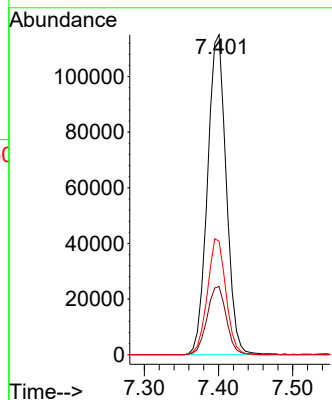
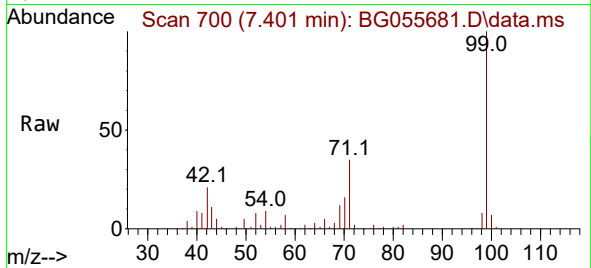




#7
Phenol-d6
Concen: 48.211 ng
RT: 7.401 min Scan# 70
Delta R.T. 0.012 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

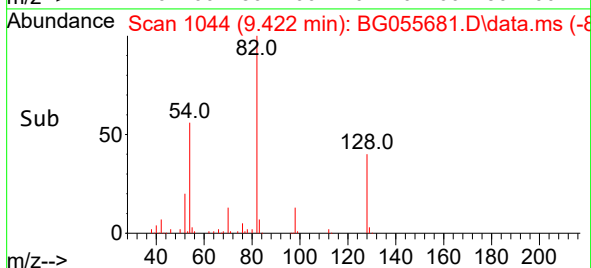
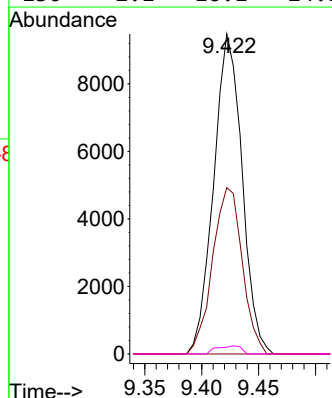
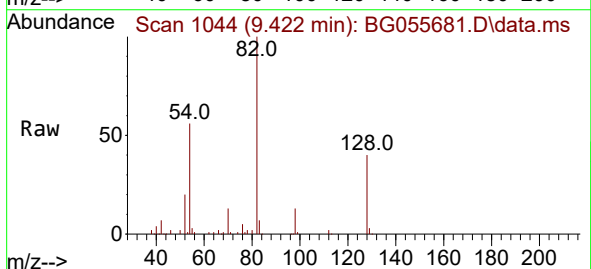
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

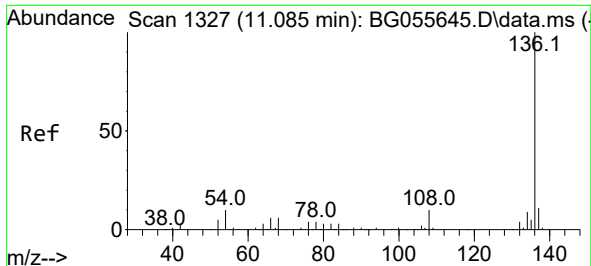
Tgt Ion: 99 Resp: 201781
Ion Ratio Lower Upper
99 100
42 21.3 18.0 27.0
71 35.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.118 ng
RT: 9.422 min Scan# 1044
Delta R.T. 0.364 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion: 70 Resp: 16458
Ion Ratio Lower Upper
70 100
42 52.0 55.2 82.8#
101 0.0 7.1 10.7#
130 2.1 16.1 24.1#

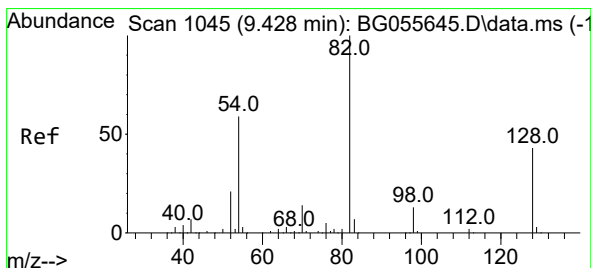
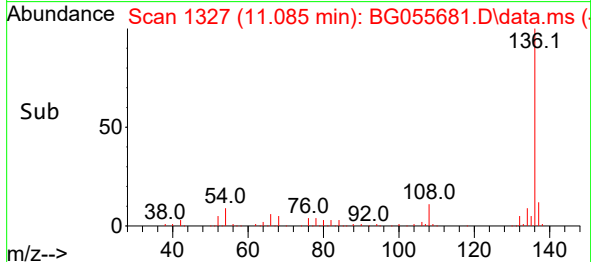
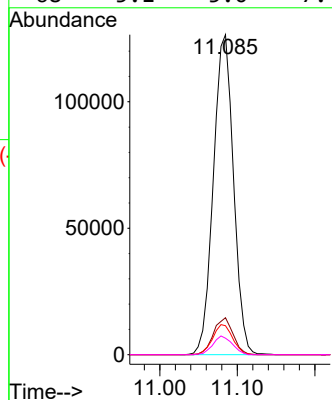
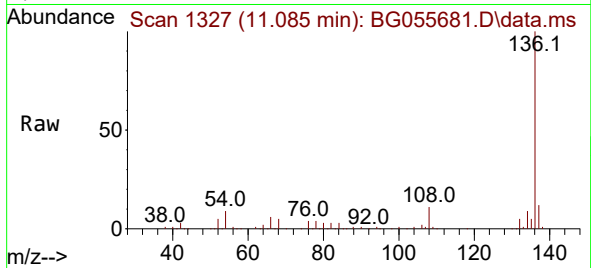




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

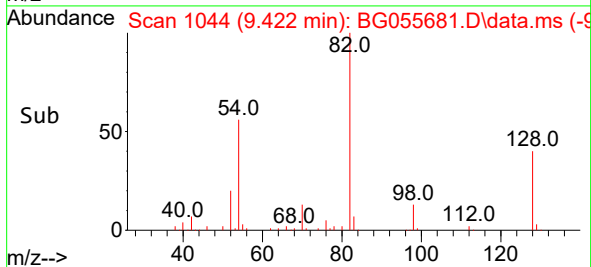
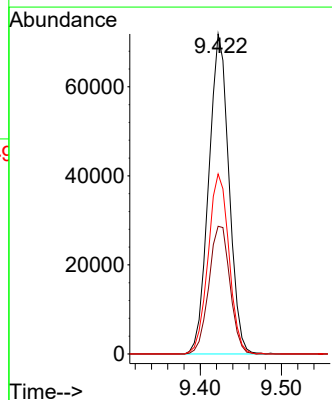
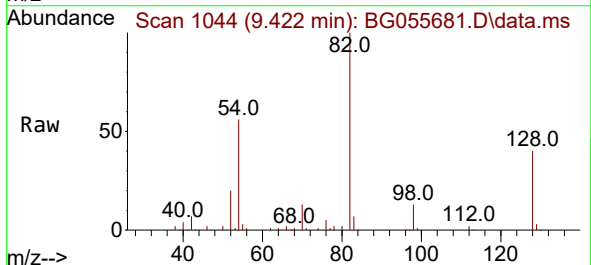
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

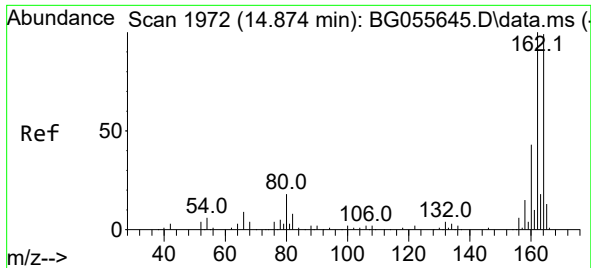
Tgt Ion:	136	Resp:	228476
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	9.0	7.8	11.6
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 28.727 ng
RT: 9.422 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:	82	Resp:	124178
Ion Ratio	Lower	Upper	
82	100		
128	39.9	34.1	51.1
54	56.3	47.3	70.9

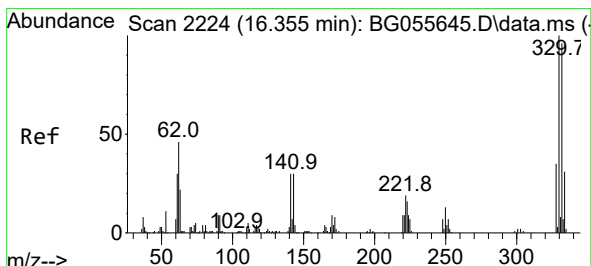
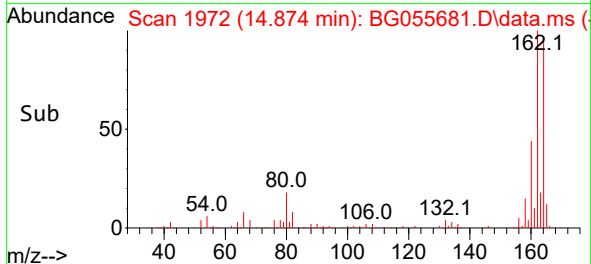
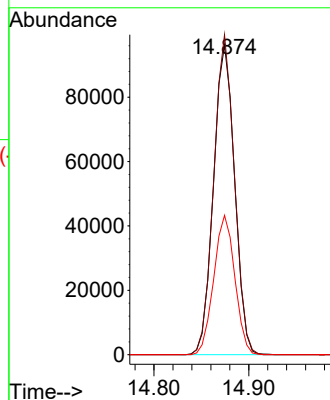
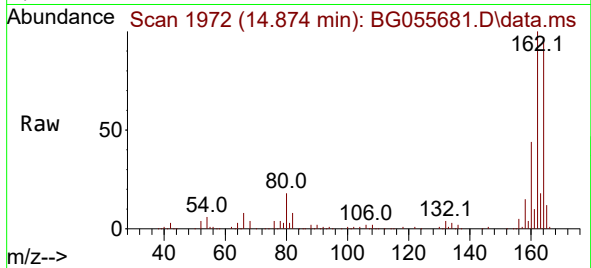




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.874 min Scan# 1972
 Delta R.T. 0.000 min
 Lab File: BG055681.D
 Acq: 18 Nov 2022 1:29

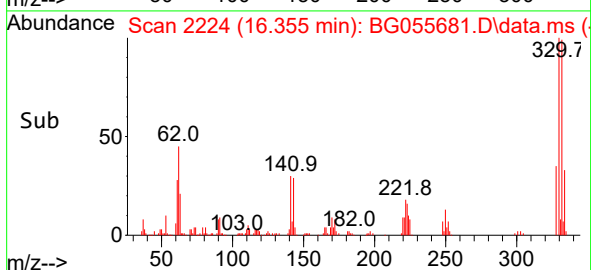
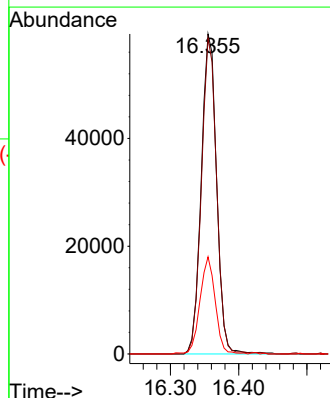
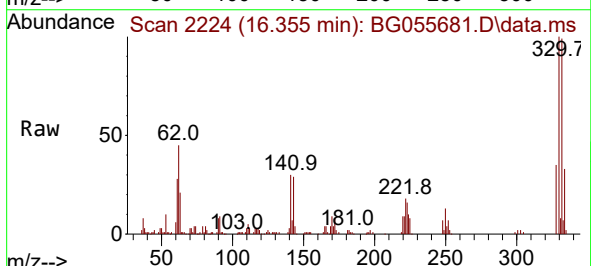
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-11622

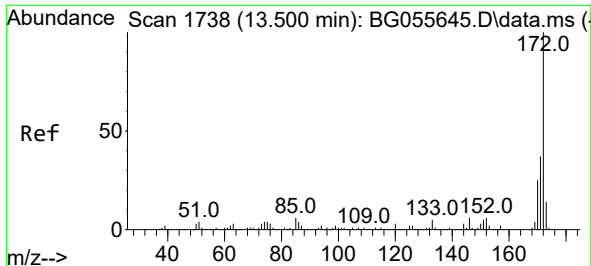
Tgt Ion:164 Resp: 148815
 Ion Ratio Lower Upper
 164 100
 162 103.3 81.1 121.7
 160 45.0 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 44.274 ng
 RT: 16.355 min Scan# 2224
 Delta R.T. 0.000 min
 Lab File: BG055681.D
 Acq: 18 Nov 2022 1:29

Tgt Ion:330 Resp: 92776
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.8 116.8
 141 30.1 23.9 35.9

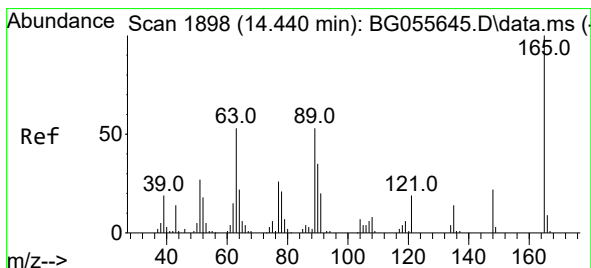
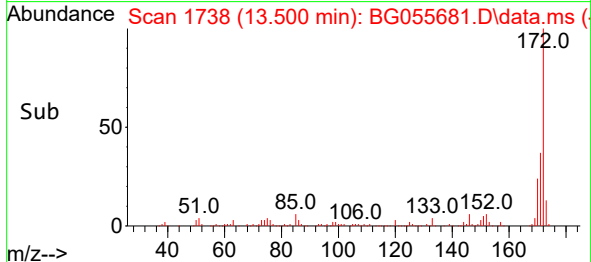
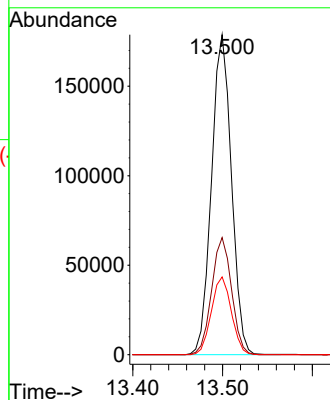
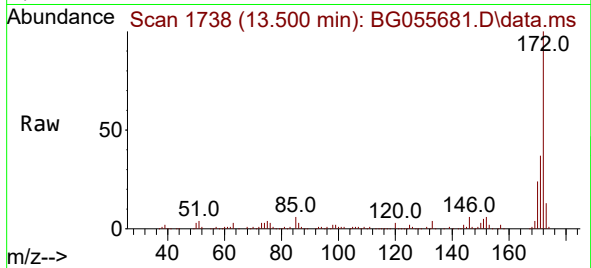




#45
2-Fluorobiphenyl
Concen: 27.737 ng
RT: 13.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

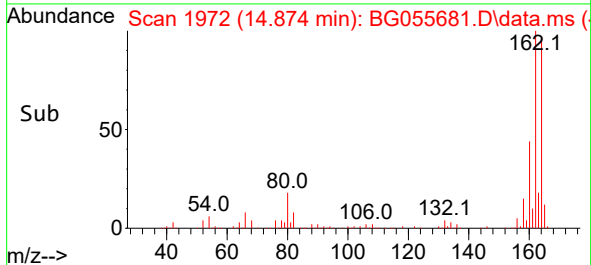
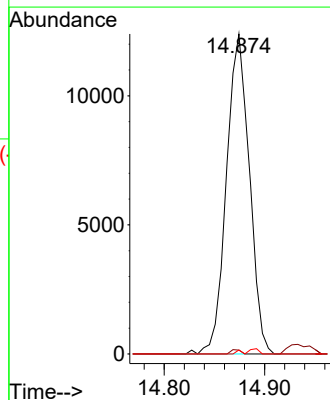
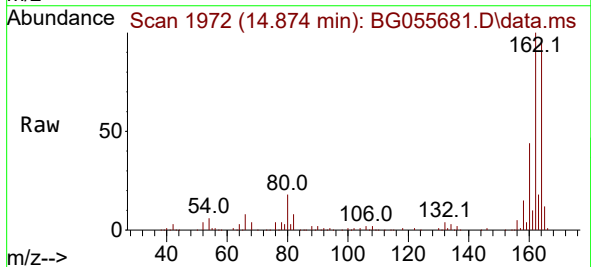
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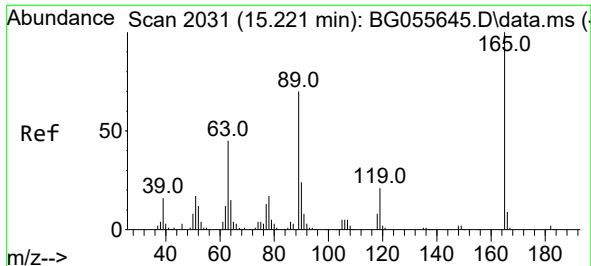
Tgt Ion:172 Resp: 275519
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.117 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.435 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:165 Resp: 19688
Ion Ratio Lower Upper
165 100
63 1.2 44.6 66.8#
89 1.2 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.757 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.347 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

CL-02-11622

Tgt Ion:165 Resp: 19688

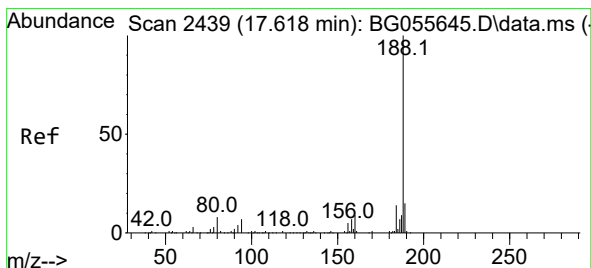
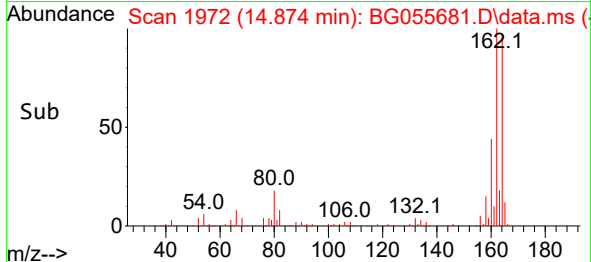
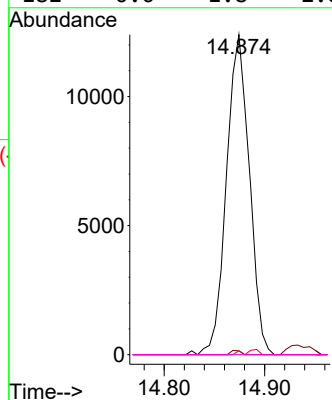
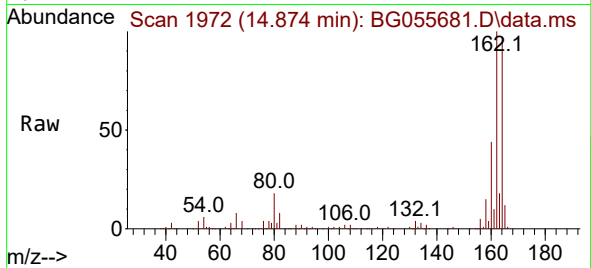
Ion Ratio Lower Upper

165 100

63 1.2 35.8 53.8#

89 1.2 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.618 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

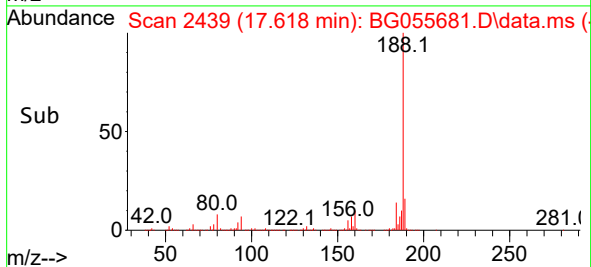
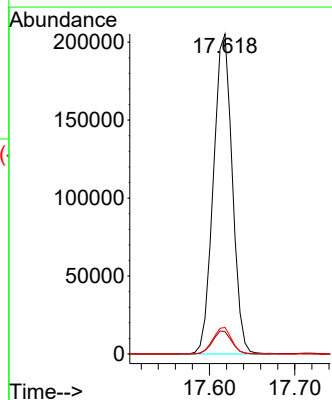
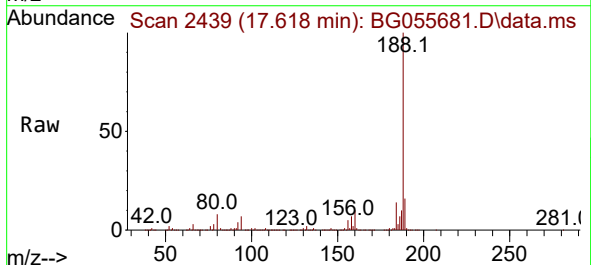
Tgt Ion:188 Resp: 316029

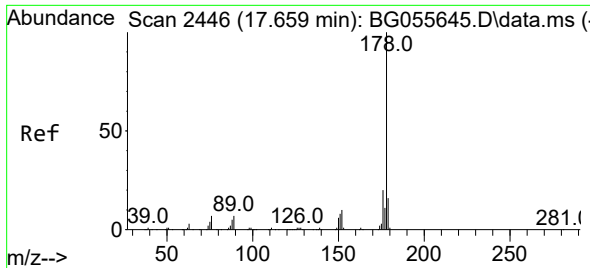
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.3 6.6 10.0

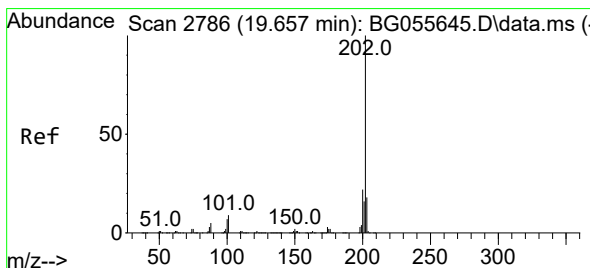
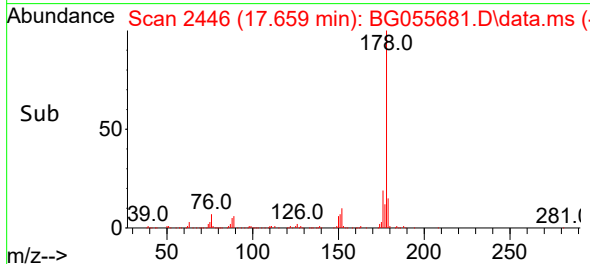
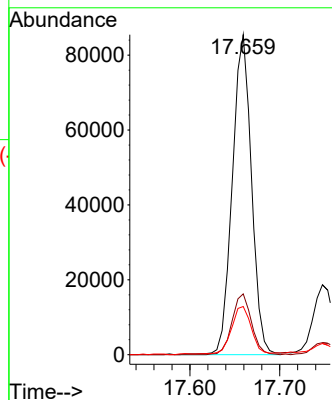
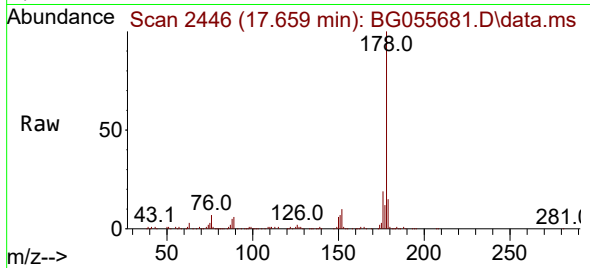




#71
Phenanthrene
Concen: 7.420 ng
RT: 17.659 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

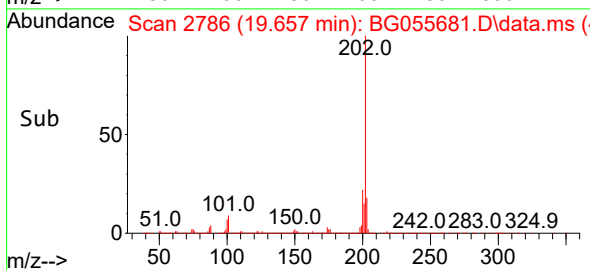
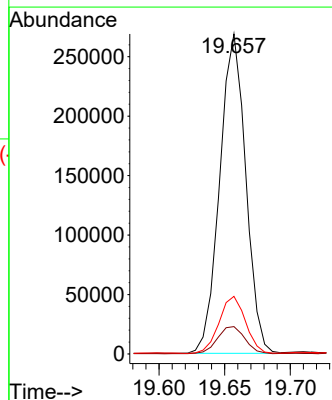
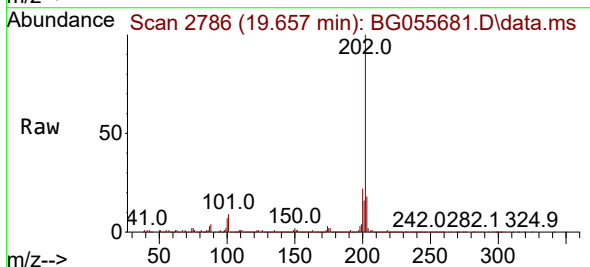
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

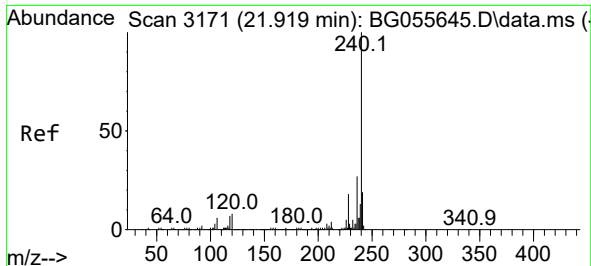
Tgt Ion:178 Resp: 126542
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.1 12.7 19.1



#75
Fluoranthene
Concen: 17.873 ng
RT: 19.657 min Scan# 2786
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:202 Resp: 370817
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 18.0 0.0 38.1

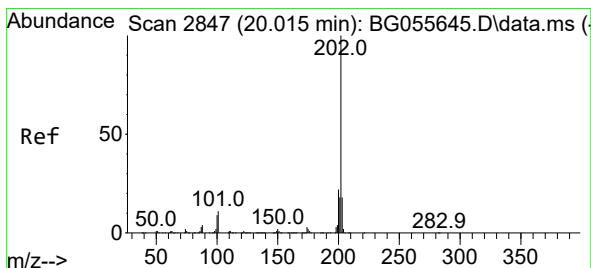
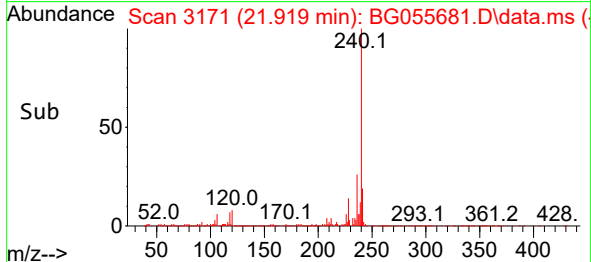
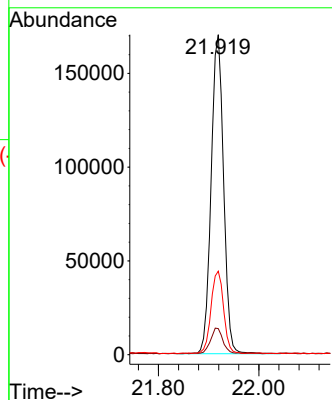
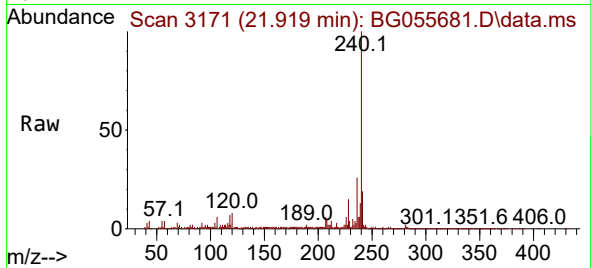




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

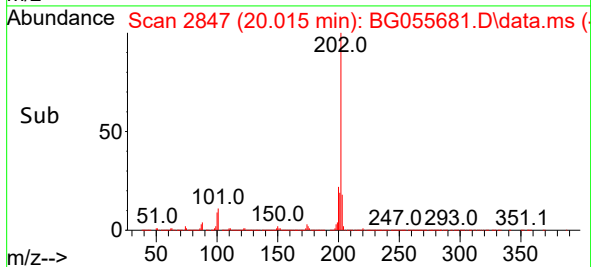
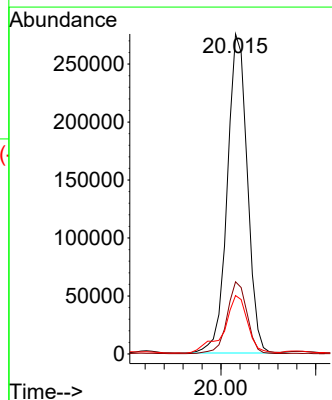
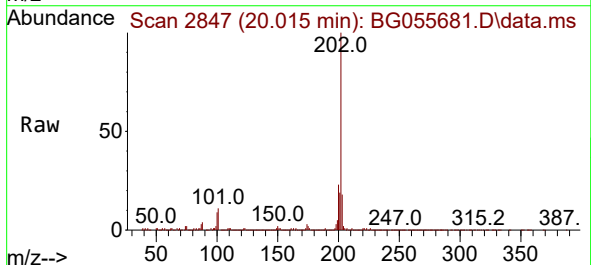
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

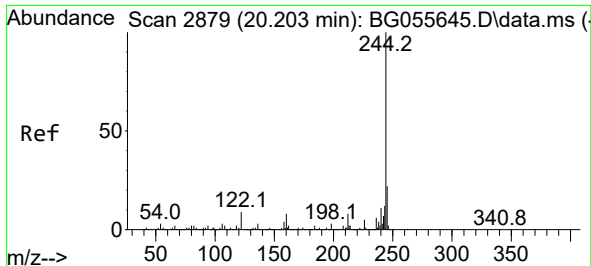
Tgt Ion:240 Resp: 292027
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.1 21.9 32.9



#78
Pyrene
Concen: 20.430 ng
RT: 20.015 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:202 Resp: 403843
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 18.3 14.4 21.6

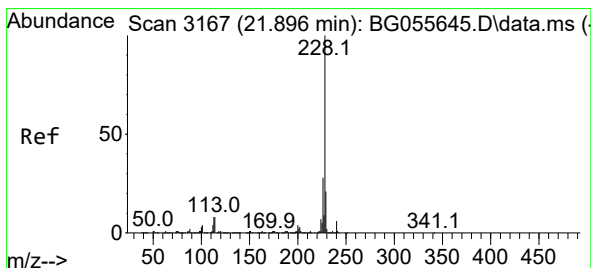
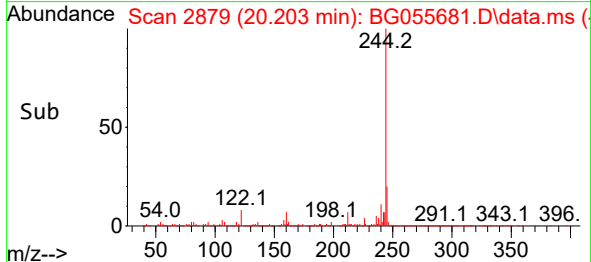
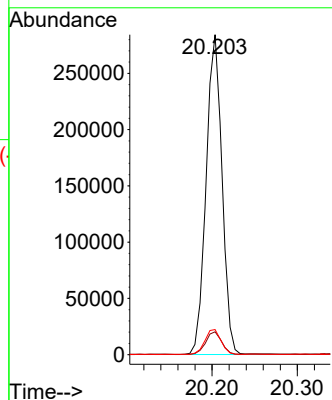
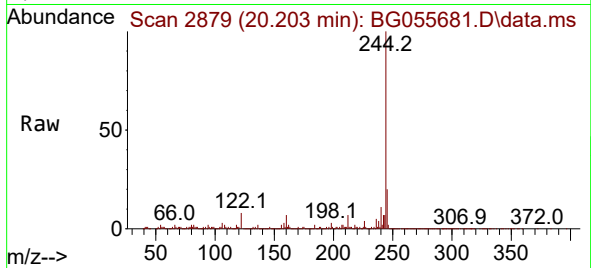




#79
 Terphenyl-d14
 Concen: 25.170 ng
 RT: 20.203 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055681.D
 Acq: 18 Nov 2022 1:29

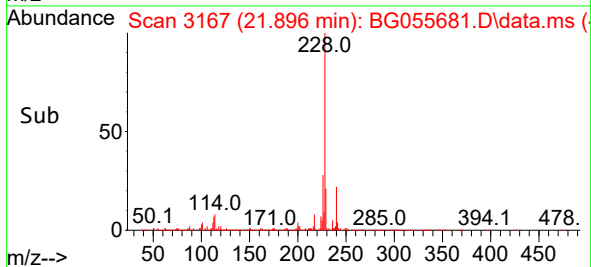
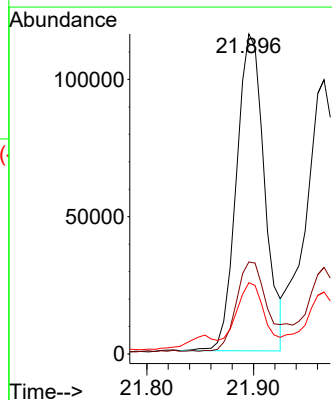
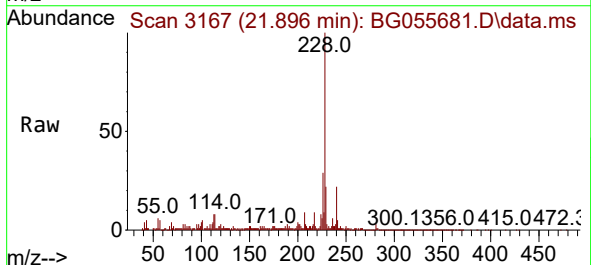
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-11622

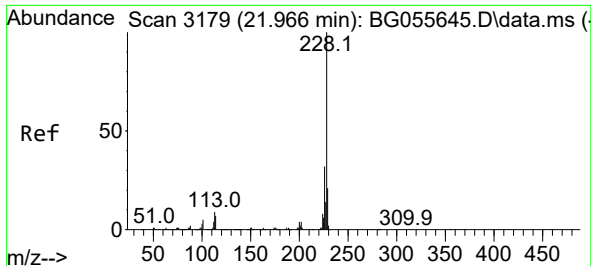
Tgt Ion:244 Resp: 367491
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.3 9.5
 122 7.8 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 10.543 ng
 RT: 21.896 min Scan# 3167
 Delta R.T. 0.000 min
 Lab File: BG055681.D
 Acq: 18 Nov 2022 1:29

Tgt Ion:228 Resp: 212064
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.7 34.1
 229 22.3 16.5 24.7





#83

Chrysene

Concen: 10.446 ng

RT: 21.966 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

CL-02-11622

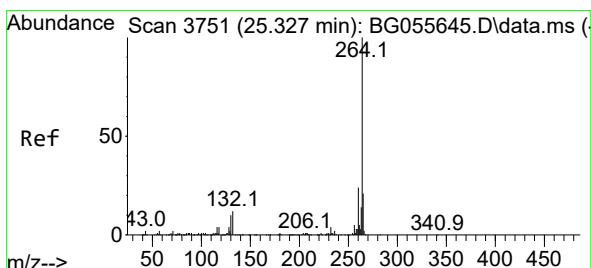
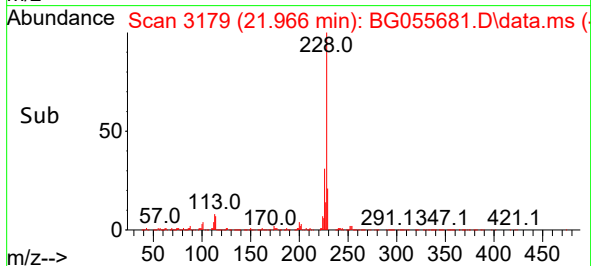
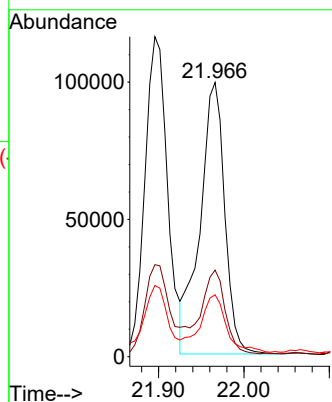
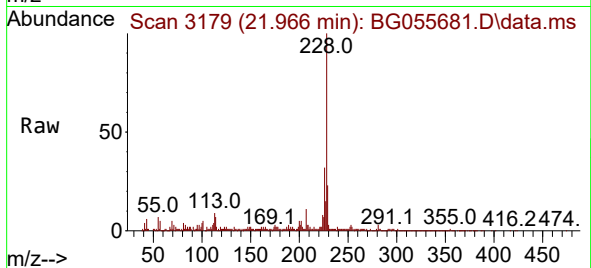
Tgt Ion:228 Resp: 200014

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.2

229 22.6 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.344 min Scan# 3754

Delta R.T. 0.018 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

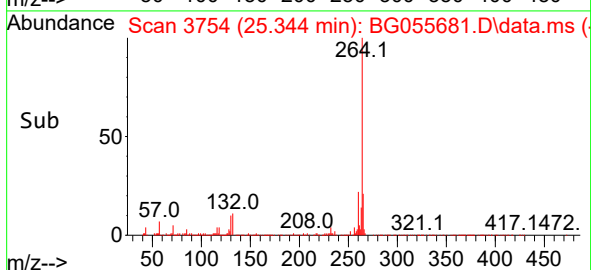
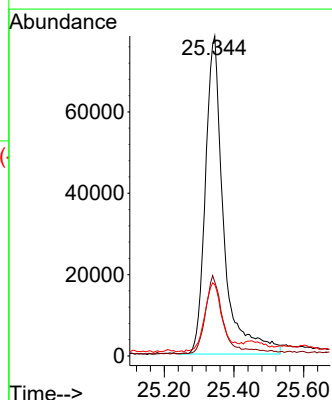
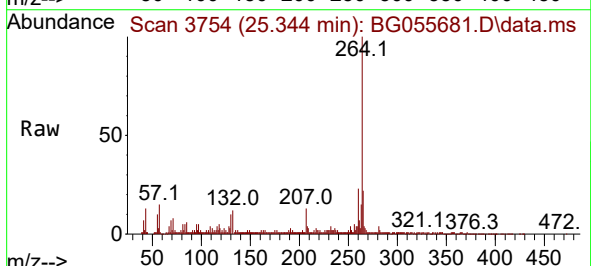
Tgt Ion:264 Resp: 284293

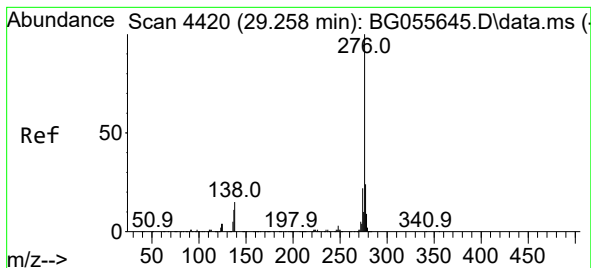
Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.461 ng

RT: 29.263 min Scan# 4421

Delta R.T. 0.006 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

Instrument :

BNA_G

ClientSampleId :

CL-02-11622

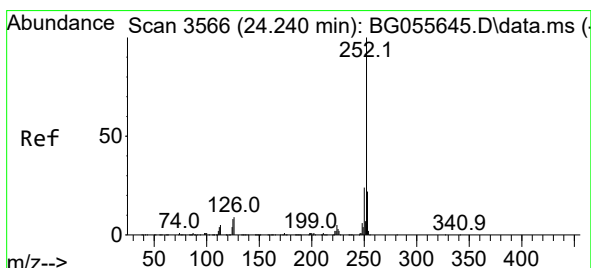
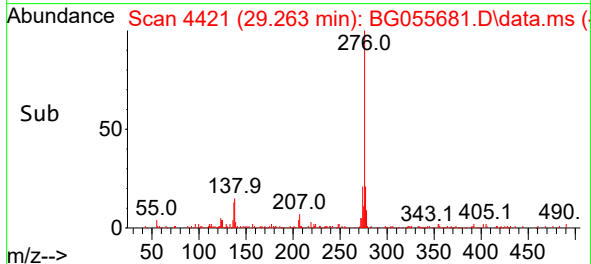
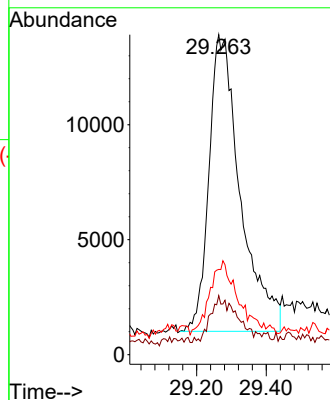
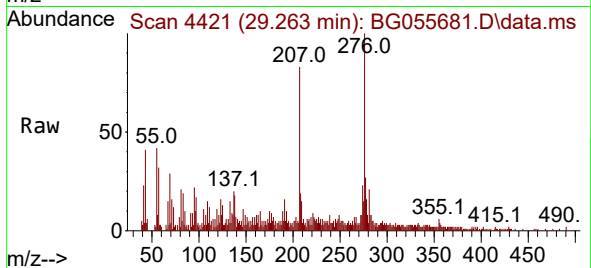
Tgt Ion:276 Resp: 80614

Ion Ratio Lower Upper

276 100

138 12.5 10.4 15.6

277 21.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 14.013 ng

RT: 24.252 min Scan# 3568

Delta R.T. 0.012 min

Lab File: BG055681.D

Acq: 18 Nov 2022 1:29

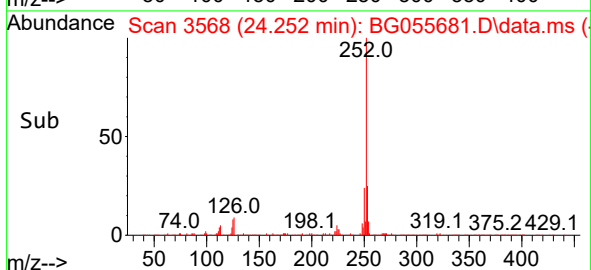
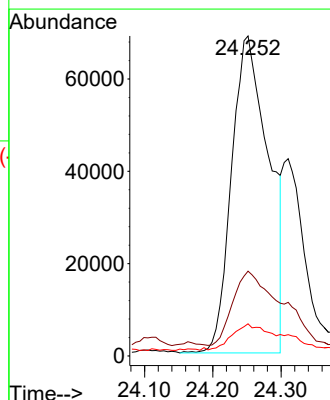
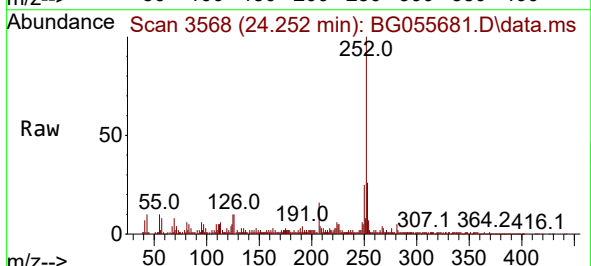
Tgt Ion:252 Resp: 259440

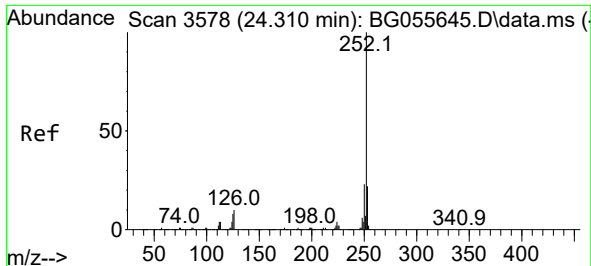
Ion Ratio Lower Upper

252 100

253 26.5 18.0 27.0

125 10.0 6.2 9.2#

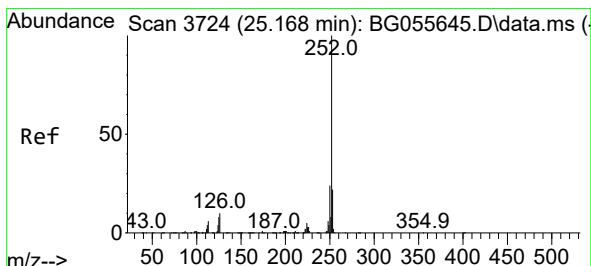
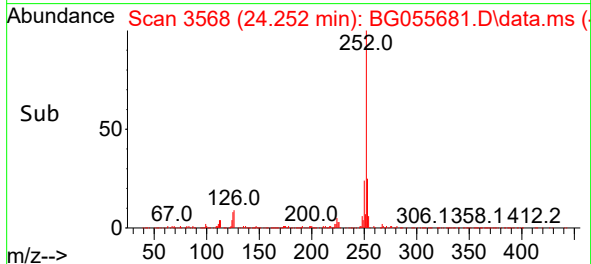
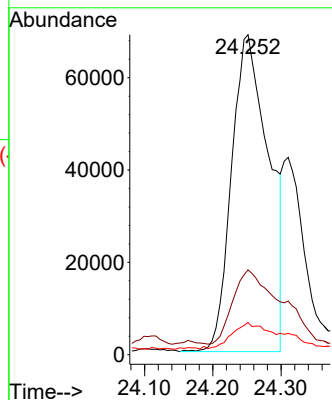
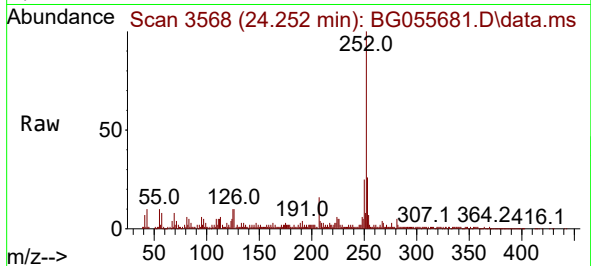




#89
Benzo(k)fluoranthene
Concen: 14.058 ng
RT: 24.252 min Scan# 31
Delta R.T. -0.059 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

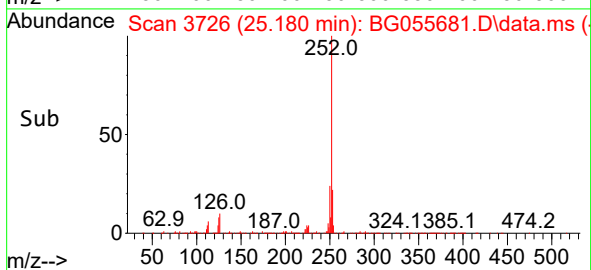
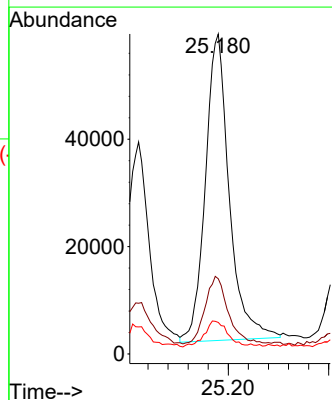
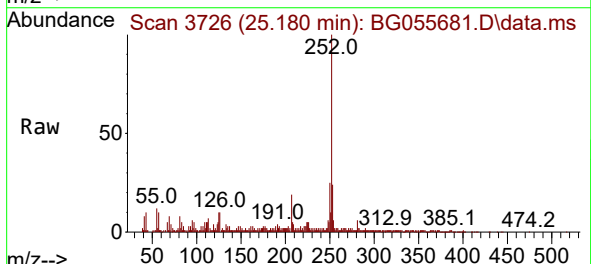
Instrument :
BNA_G
ClientSampleId :
CL-02-11622

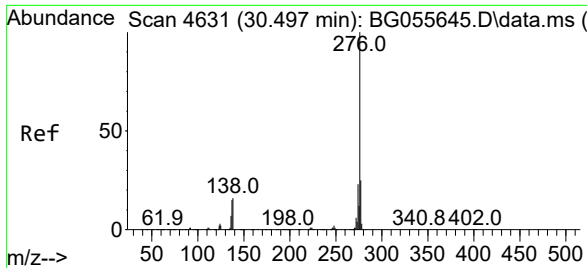
Tgt Ion:252 Resp: 259440
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.6
125 10.0 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 11.855 ng
RT: 25.180 min Scan# 3726
Delta R.T. 0.012 min
Lab File: BG055681.D
Acq: 18 Nov 2022 1:29

Tgt Ion:252 Resp: 188353
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.9 6.4 9.6#





#92
 Benzo(g,h,i)perylene
 Concen: 3.709 ng
 RT: 30.503 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG055681.D
 Acq: 18 Nov 2022 1:29

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-11622

Tgt Ion:	276	Resp:	71141
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.8	29.6
138	18.0	13.1	19.7

