

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120222\
 Data File : BG055881.D
 Acq On : 2 Dec 2022 19:50
 Operator : CG/JU
 Sample : N5803-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCKDL

Quant Time: Dec 03 04:31:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

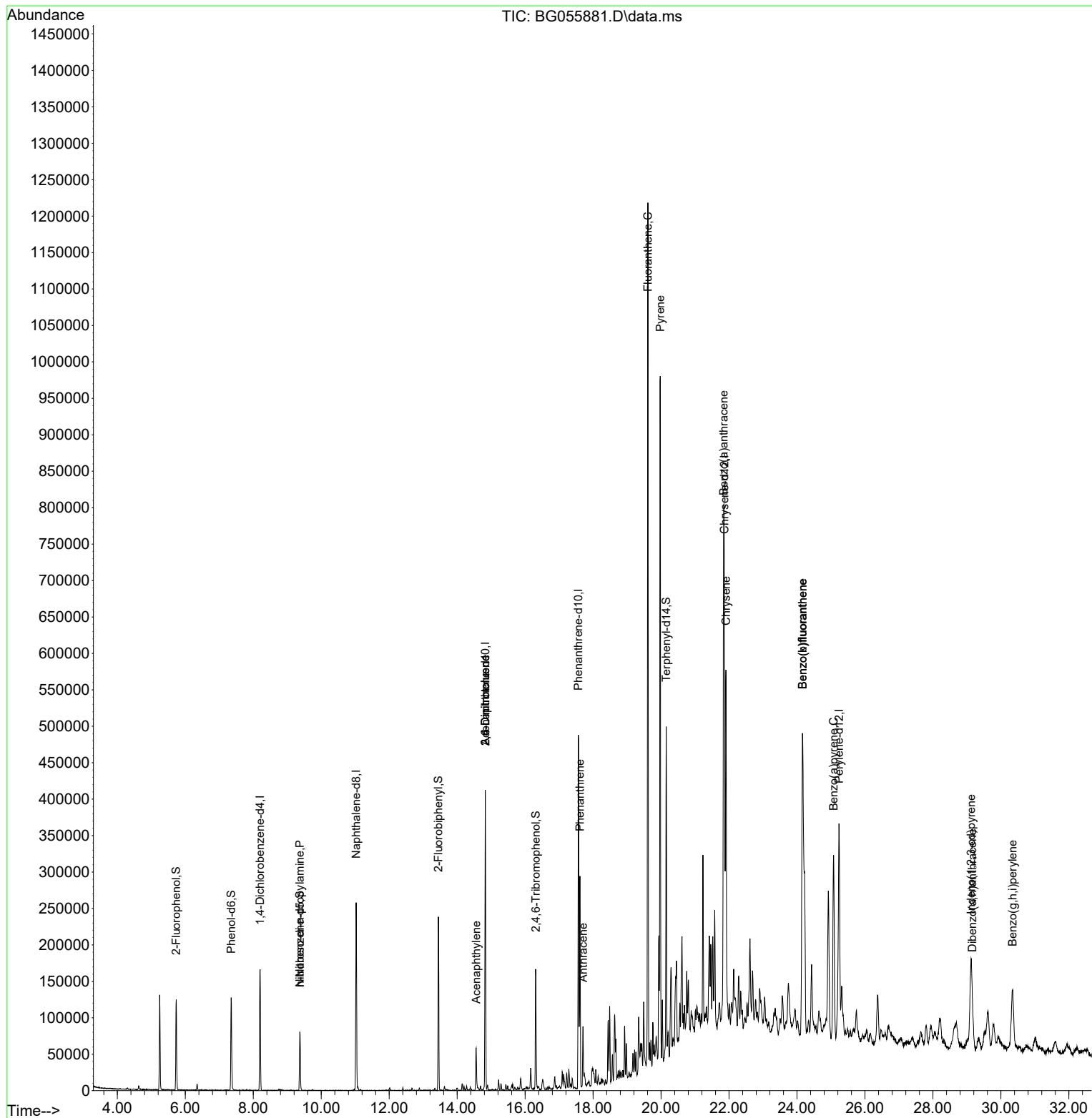
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.201	152	48552	20.000	ng	0.00
21) Naphthalene-d8	11.027	136	217363	20.000	ng	-0.01
39) Acenaphthene-d10	14.828	164	149482	20.000	ng	-0.01
64) Phenanthrene-d10	17.566	188	317796	20.000	ng	-0.01
76) Chrysene-d12	21.861	240	303136	20.000	ng	0.00
86) Perylene-d12	25.240	264	326897	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	55939	20.825	ng	0.00
7) Phenol-d6	7.349	99	76496	21.394	ng	-0.01
23) Nitrobenzene-d5	9.370	82	49103	11.940	ng	-0.02
42) 2,4,6-Tribromophenol	16.315	330	34425	16.355	ng	-0.01
45) 2-Fluorobiphenyl	13.448	172	125705	12.598	ng	-0.01
79) Terphenyl-d14	20.152	244	199141	13.140	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.370	70	6706	2.441	ng	# 74
49) Acenaphthylene	14.558	152	55781	4.001	ng	98
51) 2,6-Dinitrotoluene	14.828	165	19848	8.146	ng	# 25
57) 2,4-Dinitrotoluene	14.828	165	19848	5.778	ng	# 23
71) Phenanthrene	17.613	178	192713	11.237	ng	99
72) Anthracene	17.702	178	56240	3.375	ng	98
75) Fluoranthene	19.611	202	733416	35.153	ng	99
78) Pyrene	19.975	202	617097	30.075	ng	100
81) Benzo(a)anthracene	21.838	228	401247	19.218	ng	100
83) Chrysene	21.908	228	376816	18.958	ng	99
87) Indeno(1,2,3-cd)pyrene	29.123	276	214011	7.991	ng	# 98
88) Benzo(b)fluoranthene	24.165	252	535538	25.155	ng	99
89) Benzo(k)fluoranthene	24.165	252	535538	25.236	ng	98
90) Benzo(a)pyrene	25.075	252	278372	15.237	ng	99
91) Dibenzo(a,h)anthracene	29.159	278	65193	2.979	ng	92
92) Benzo(g,h,i)perylene	30.340	276	170736	7.741	ng	99

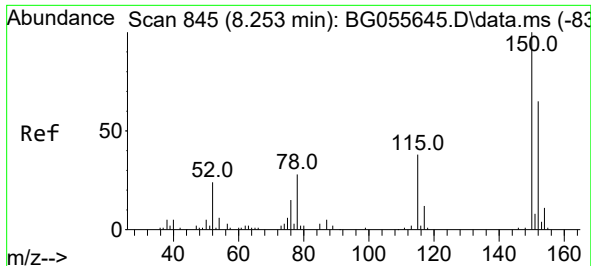
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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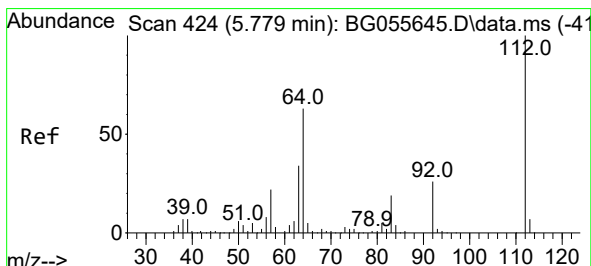
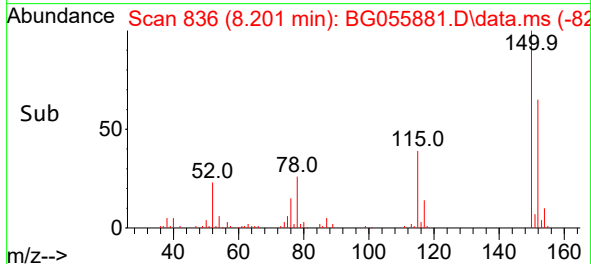
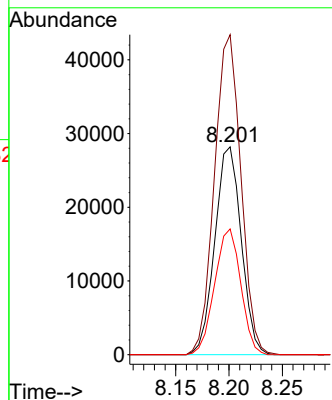
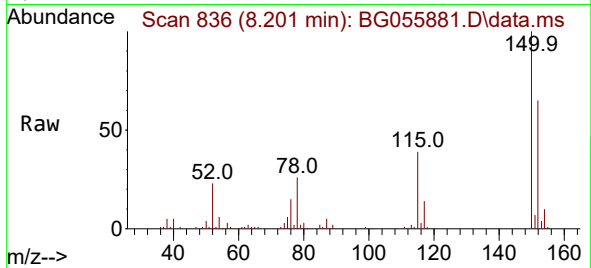




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.201 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

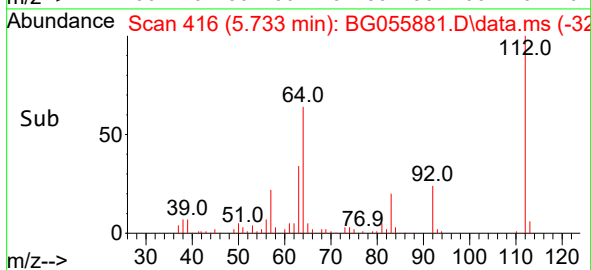
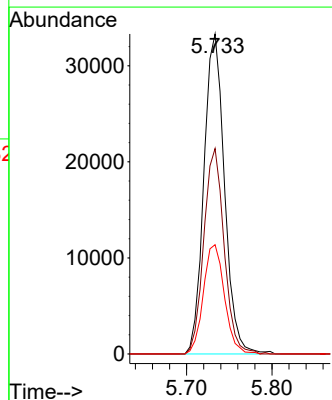
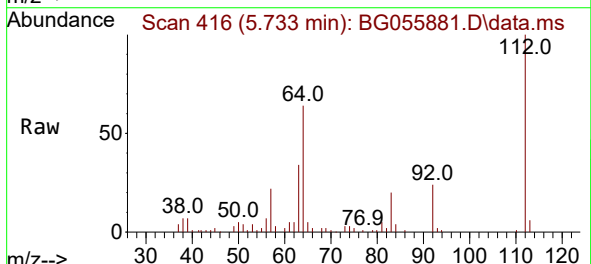
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

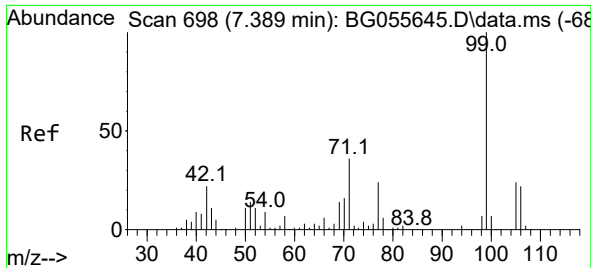
Tgt Ion:152 Resp: 48552
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 60.5 47.0 70.4



#5
2-Fluorophenol
Concen: 20.825 ng
RT: 5.733 min Scan# 416
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:112 Resp: 55939
Ion Ratio Lower Upper
112 100
64 64.2 50.6 76.0
63 34.2 27.5 41.3

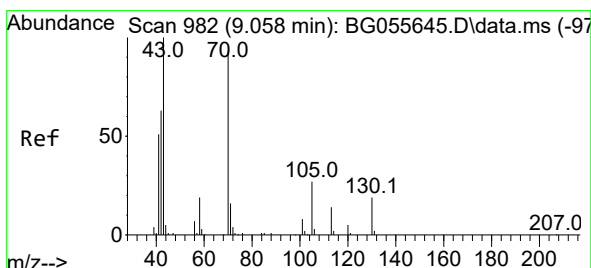
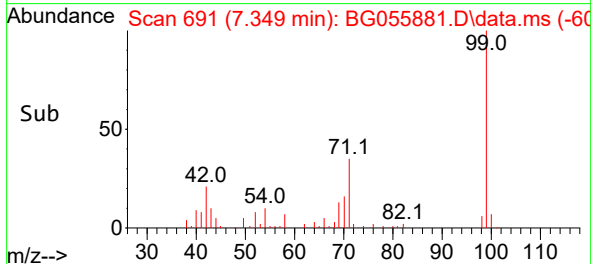
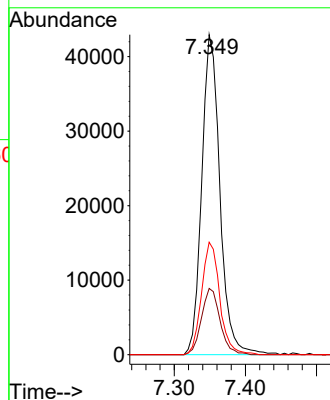
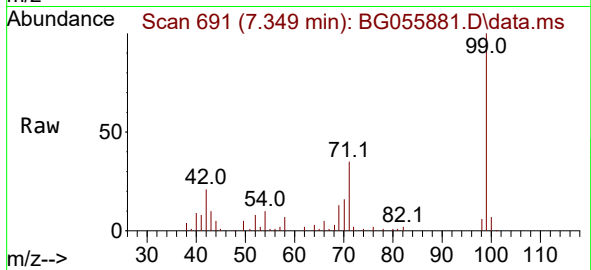




#7
Phenol-d6
Concen: 21.394 ng
RT: 7.349 min Scan# 61
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

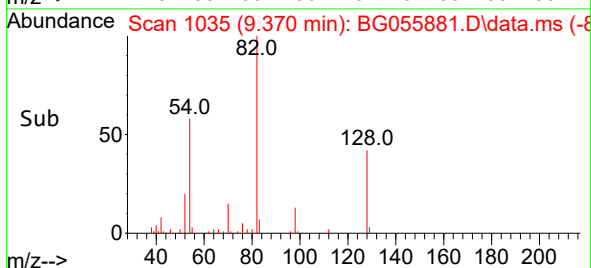
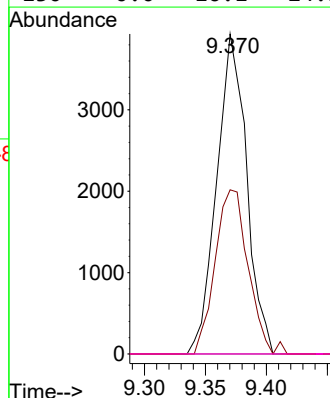
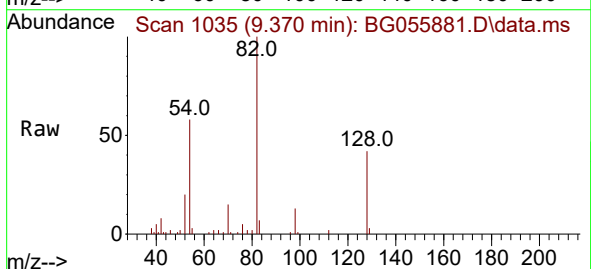
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

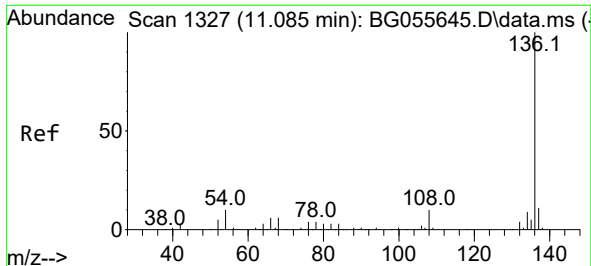
Tgt Ion: 99 Resp: 76496
Ion Ratio Lower Upper
99 100
42 20.7 18.0 27.0
71 35.2 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.441 ng
RT: 9.370 min Scan# 1035
Delta R.T. 0.360 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion: 70 Resp: 6706
Ion Ratio Lower Upper
70 100
42 51.3 55.2 82.8#
101 0.0 7.1 10.7#
130 0.0 16.1 24.1#

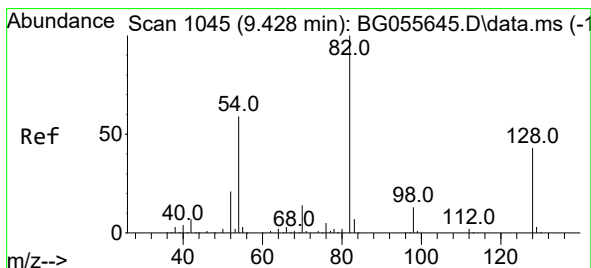
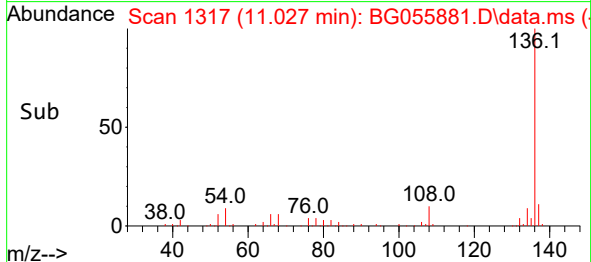
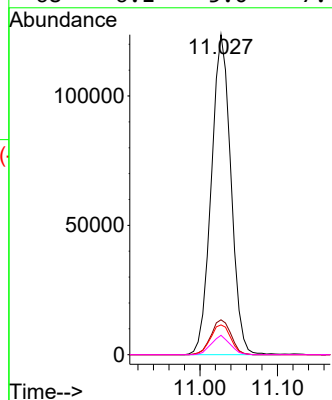
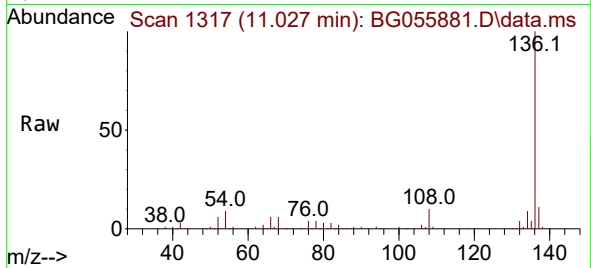




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.027 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

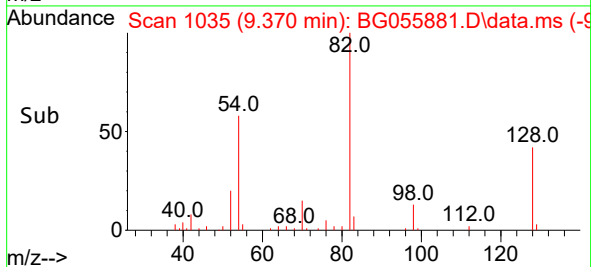
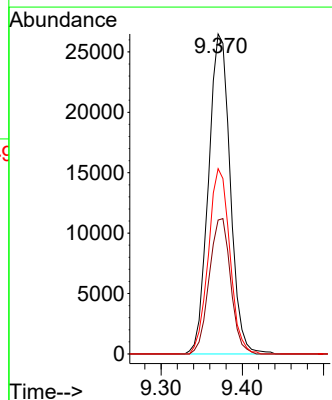
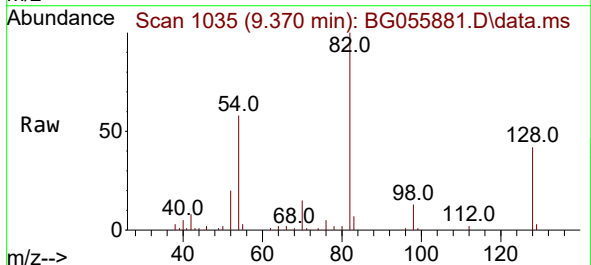
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

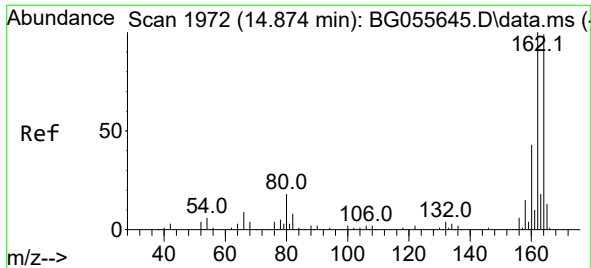
Tgt Ion:	136	Resp:	217363
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	9.3	7.8	11.6
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 11.940 ng
RT: 9.370 min Scan# 1035
Delta R.T. -0.016 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:	82	Resp:	49103
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.1	51.1
54	57.9	47.3	70.9

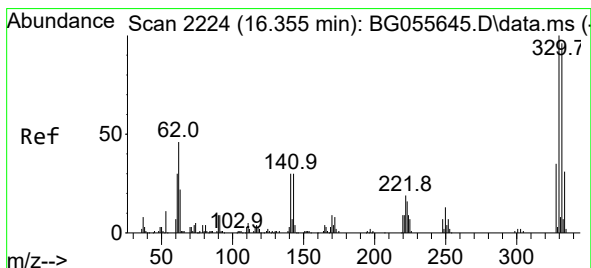
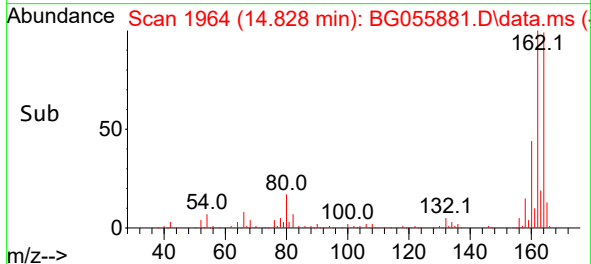
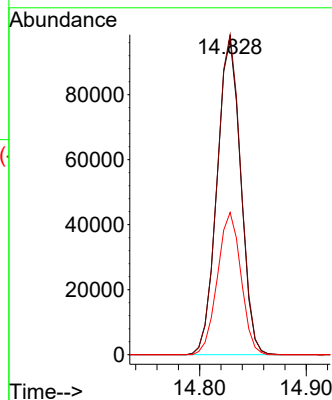
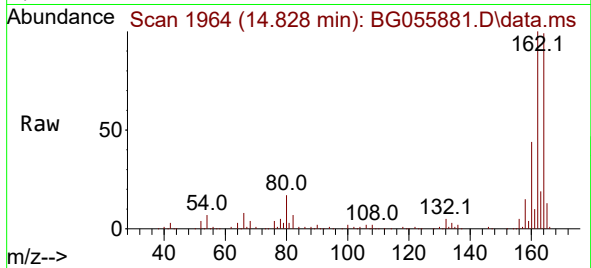




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.828 min Scan# 1964
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

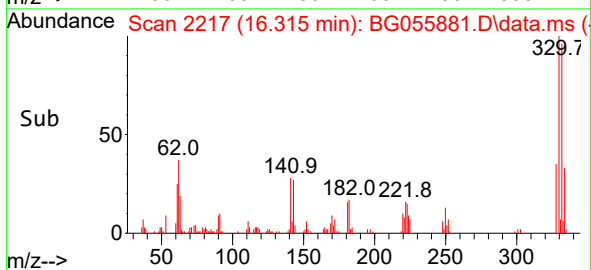
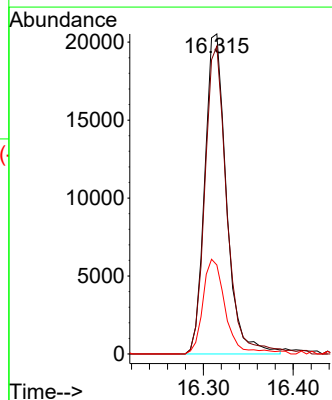
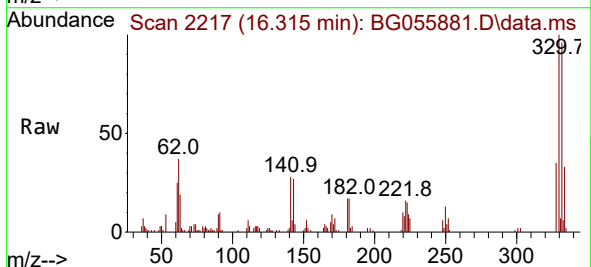
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

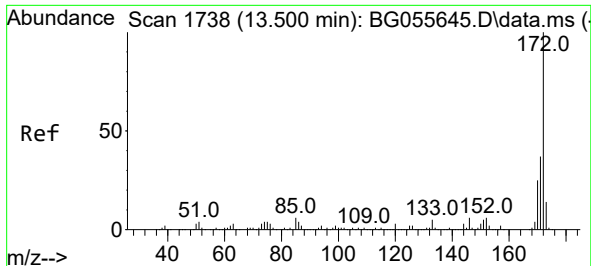
Tgt Ion:164 Resp: 149482
Ion Ratio Lower Upper
164 100
162 101.5 81.1 121.7
160 45.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 16.355 ng
RT: 16.315 min Scan# 2217
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:330 Resp: 34425
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 30.9 23.9 35.9

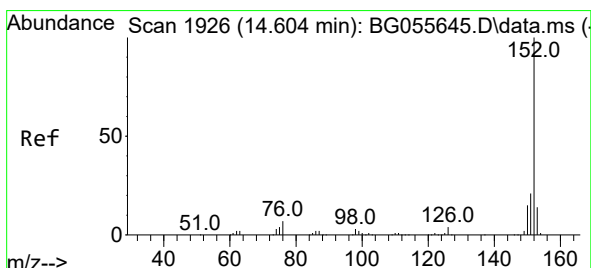
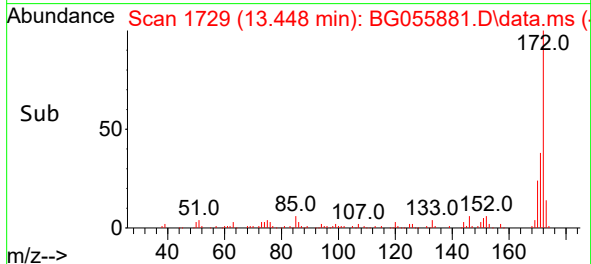
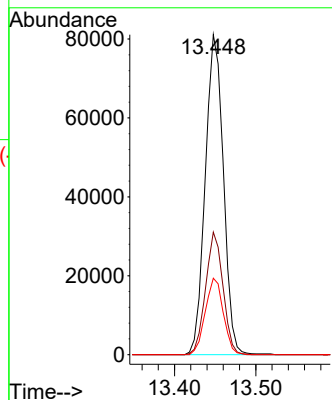
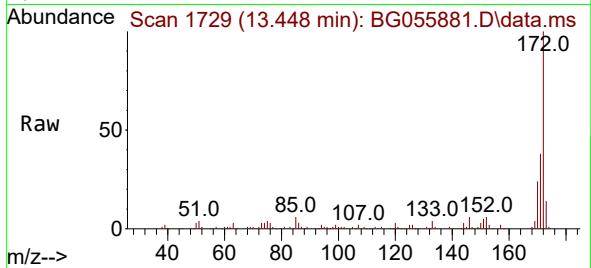




#45
2-Fluorobiphenyl
Concen: 12.598 ng
RT: 13.448 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

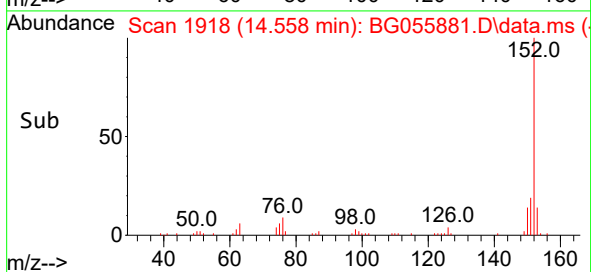
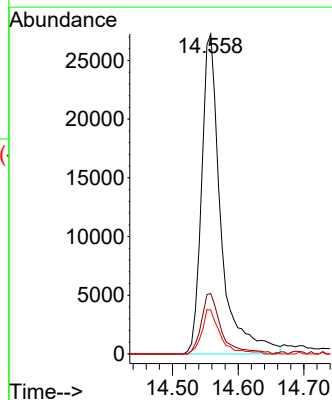
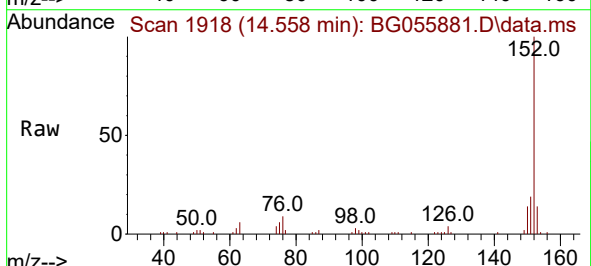
Instrument :
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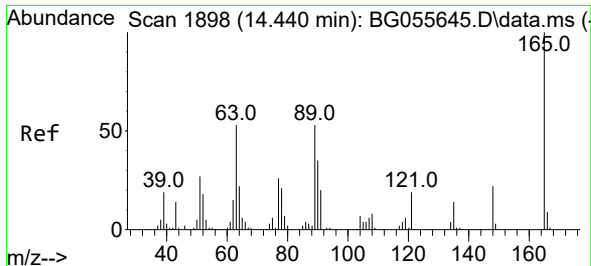
Tgt Ion:172 Resp: 125705
Ion Ratio Lower Upper
172 100
171 38.3 29.8 44.6
170 23.9 20.2 30.4



#49
Acenaphthylene
Concen: 4.001 ng
RT: 14.558 min Scan# 1918
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:152 Resp: 55781
Ion Ratio Lower Upper
152 100
151 18.9 16.4 24.6
153 13.8 11.0 16.4

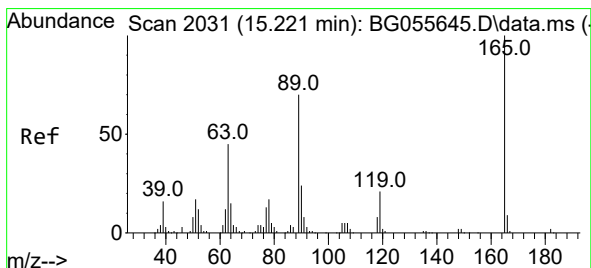
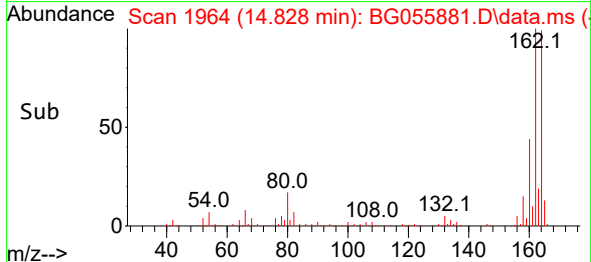
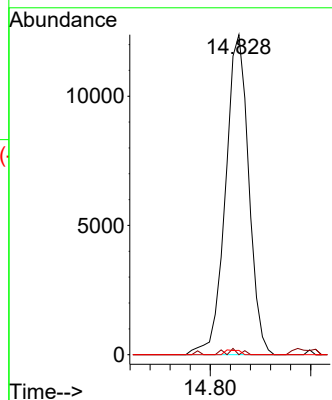
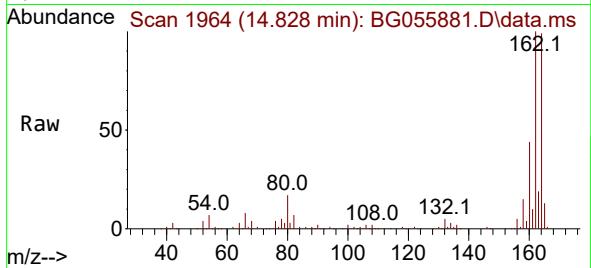




#51
2,6-Dinitrotoluene
Concen: 8.146 ng
RT: 14.828 min Scan# 1964
Delta R.T. 0.419 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

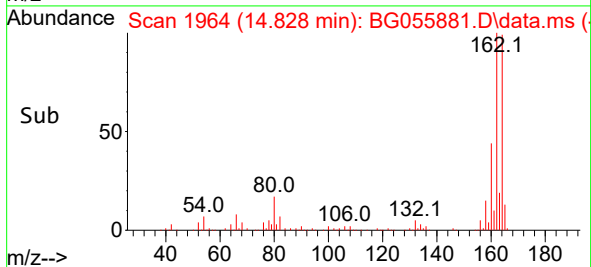
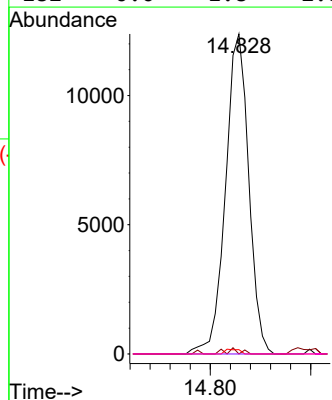
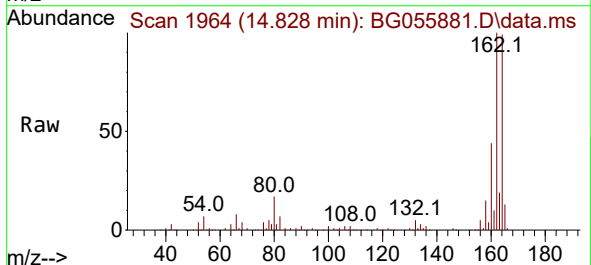
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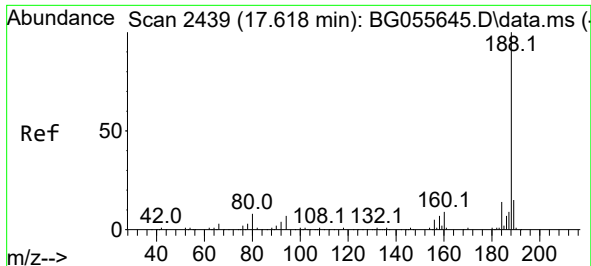
Tgt Ion:165 Resp: 19848
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.3 42.2 63.4#



#57
2,4-Dinitrotoluene
Concen: 5.778 ng
RT: 14.828 min Scan# 1964
Delta R.T. -0.369 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:165 Resp: 19848
Ion Ratio Lower Upper
165 100
63 0.0 35.8 53.8#
89 1.3 56.2 84.4#
182 0.0 1.8 2.8#

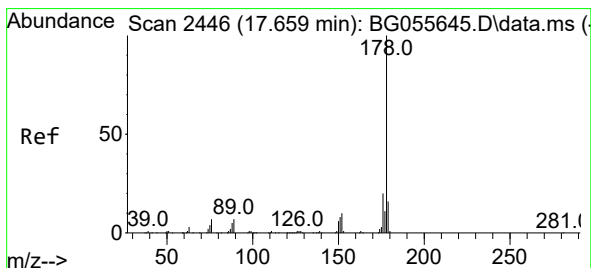
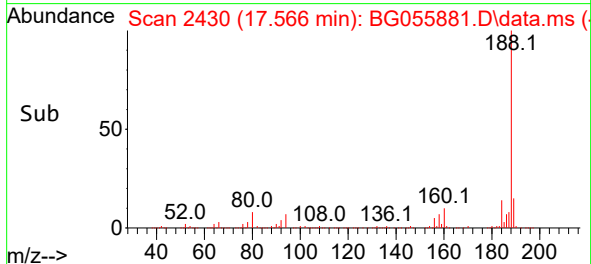
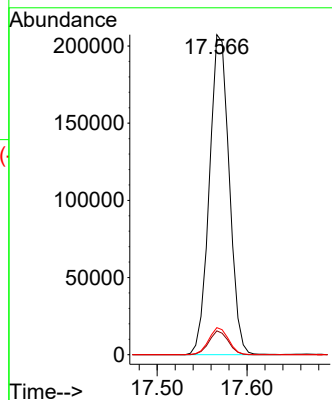
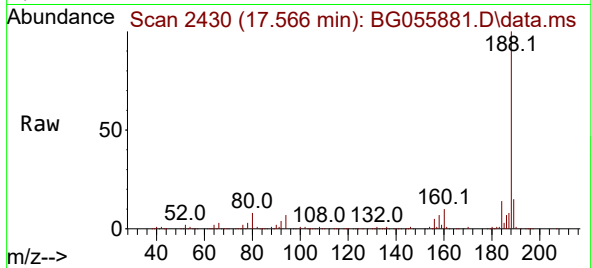




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.566 min Scan# 2439
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

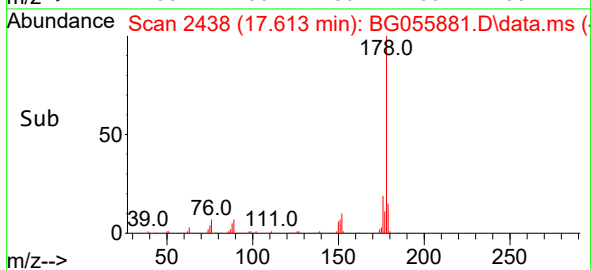
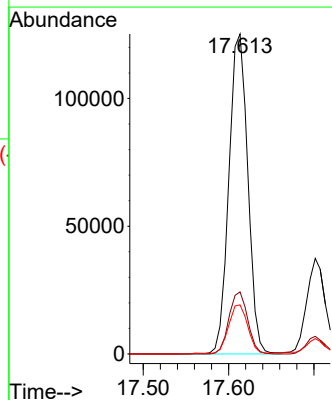
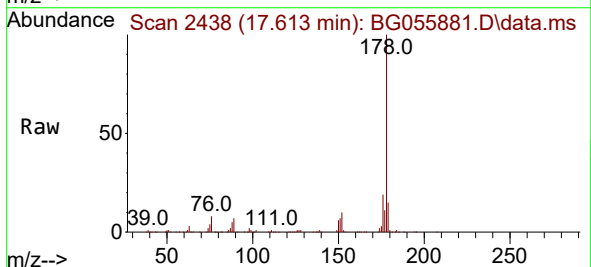
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

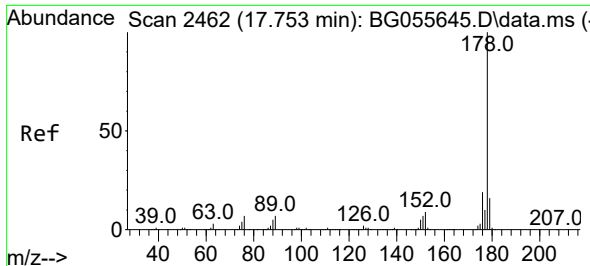
Tgt Ion:188 Resp: 317796
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.2
80 8.5 6.6 10.0



#71
Phenanthrene
Concen: 11.237 ng
RT: 17.613 min Scan# 2438
Delta R.T. -0.010 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:178 Resp: 192713
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 12.7 19.1

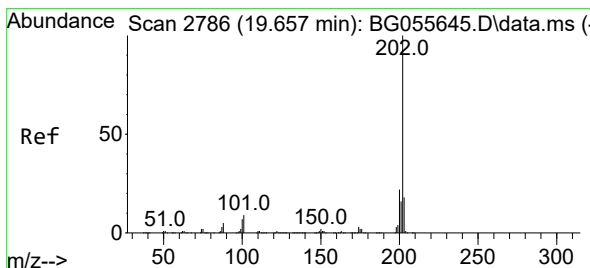
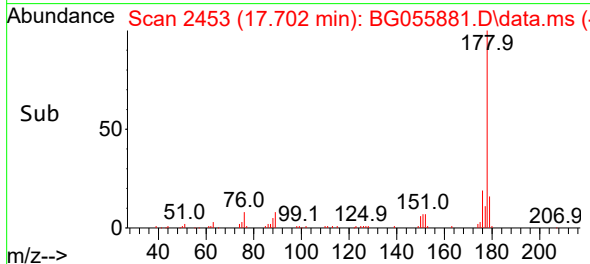
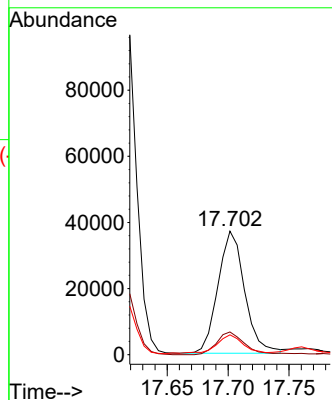
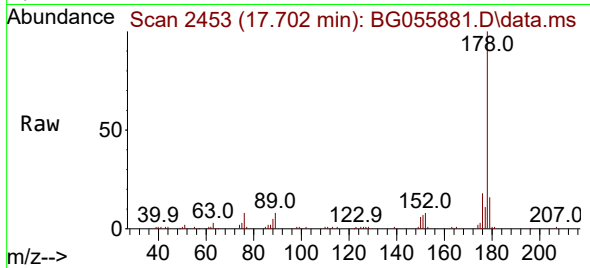




#72
 Anthracene
 Concen: 3.375 ng
 RT: 17.702 min Scan# 2462
 Delta R.T. -0.010 min
 Lab File: BG055881.D
 Acq: 2 Dec 2022 19:50

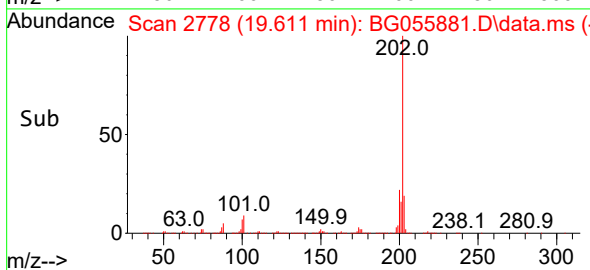
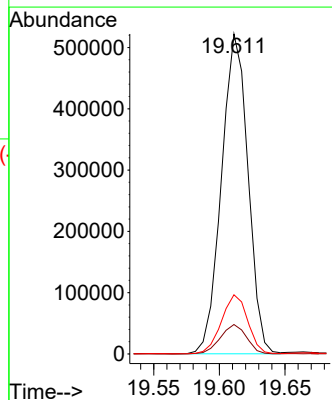
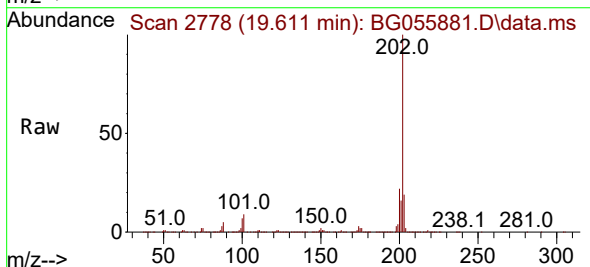
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCKDL

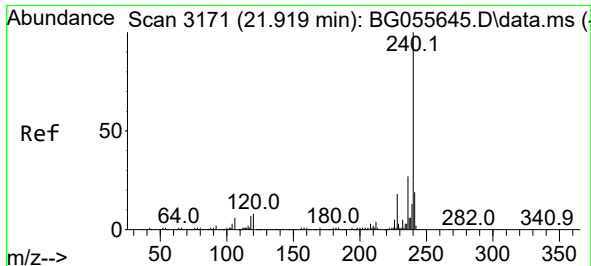
Tgt Ion:178 Resp: 56240
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 16.1 12.5 18.7



#75
 Fluoranthene
 Concen: 35.153 ng
 RT: 19.611 min Scan# 2778
 Delta R.T. -0.004 min
 Lab File: BG055881.D
 Acq: 2 Dec 2022 19:50

Tgt Ion:202 Resp: 733416
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 28.8
 203 18.5 0.0 38.1

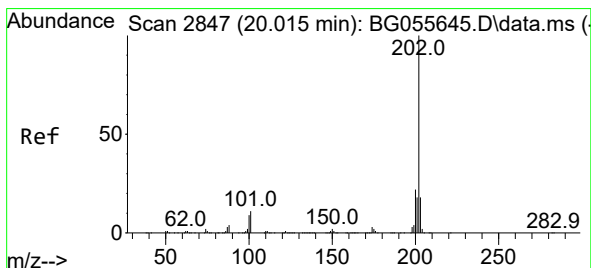
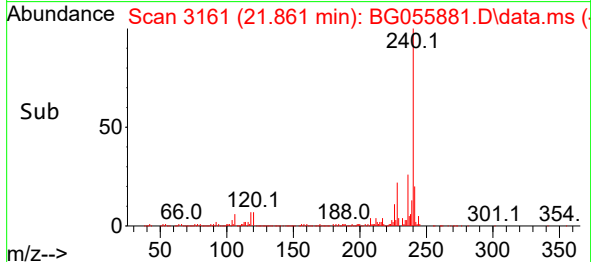
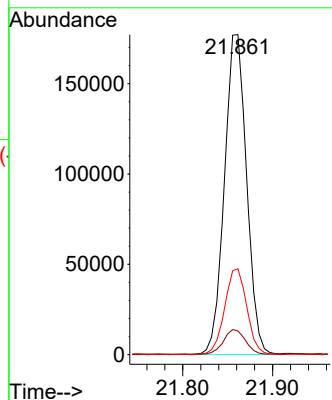
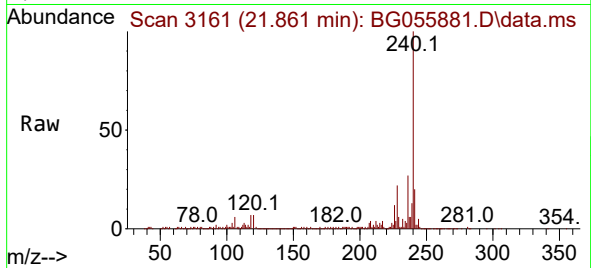




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

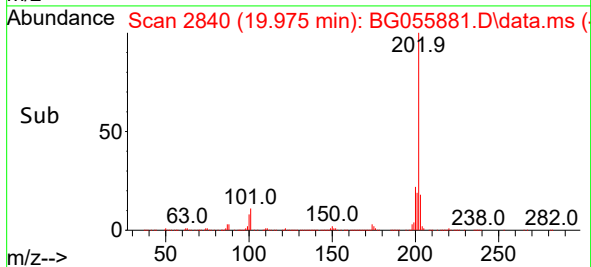
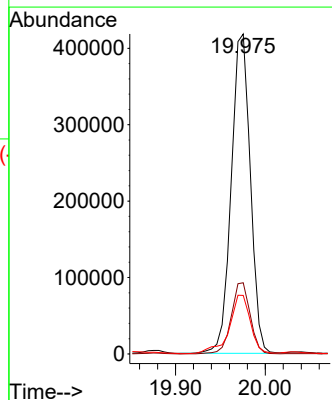
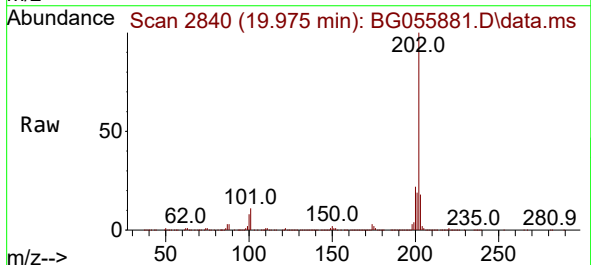
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

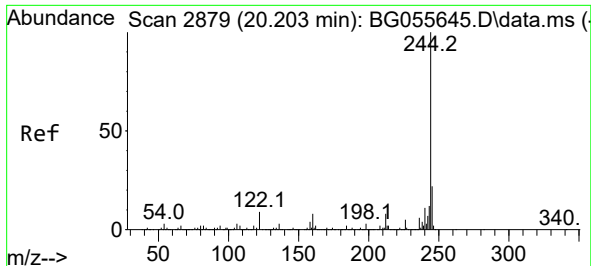
Tgt Ion:240 Resp: 303136
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.9 21.9 32.9



#78
Pyrene
Concen: 30.075 ng
RT: 19.975 min Scan# 2840
Delta R.T. -0.004 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:202 Resp: 617097
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.6
203 18.3 14.4 21.6

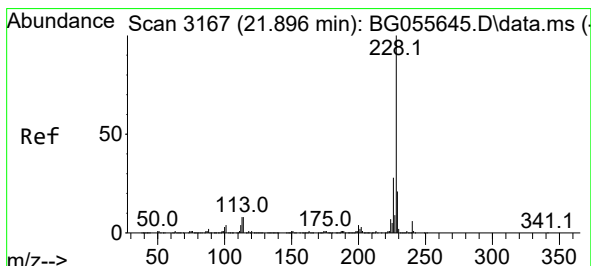
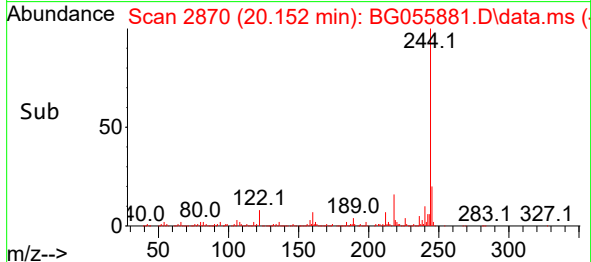
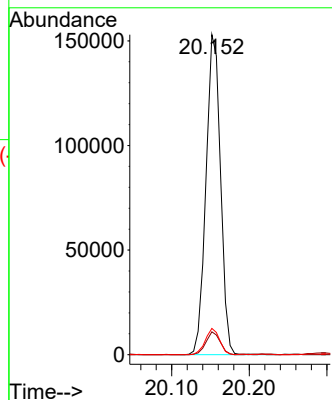
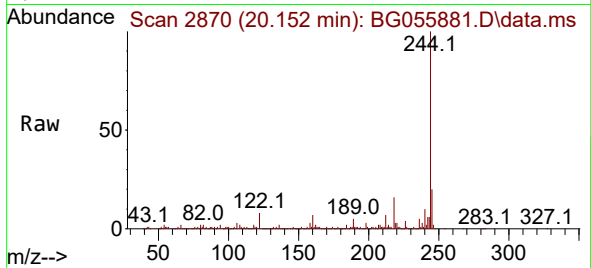




#79
 Terphenyl-d14
 Concen: 13.140 ng
 RT: 20.152 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG055881.D
 Acq: 2 Dec 2022 19:50

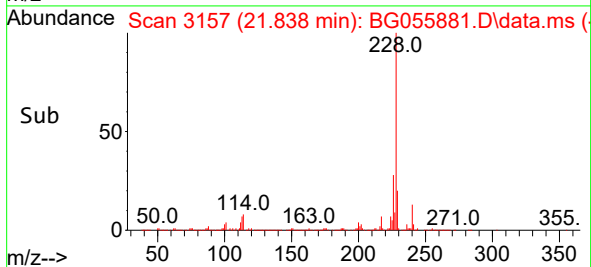
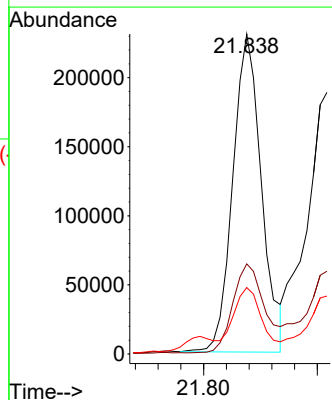
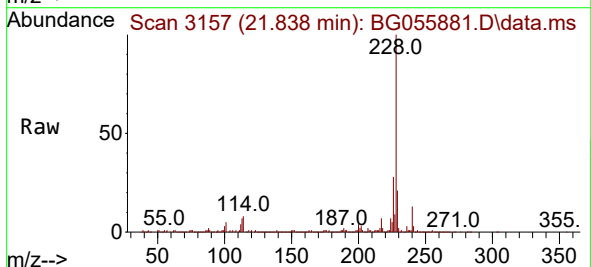
Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCKDL

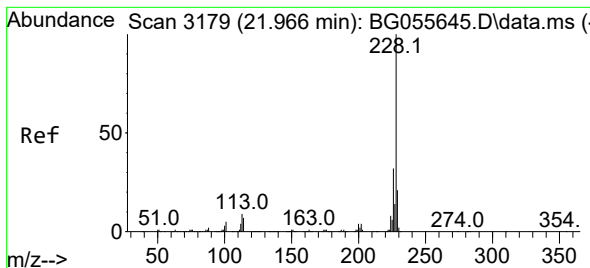
Tgt Ion:244 Resp: 199141
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 8.2 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 19.218 ng
 RT: 21.838 min Scan# 3157
 Delta R.T. -0.010 min
 Lab File: BG055881.D
 Acq: 2 Dec 2022 19:50

Tgt Ion:228 Resp: 401247
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.7 34.1
 229 20.7 16.5 24.7





#83

Chrysene

Concen: 18.958 ng

RT: 21.908 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG055881.D

Acq: 2 Dec 2022 19:50

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCKDL

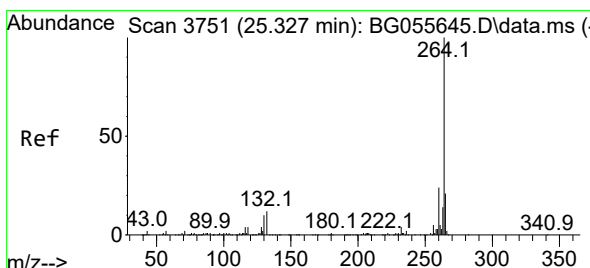
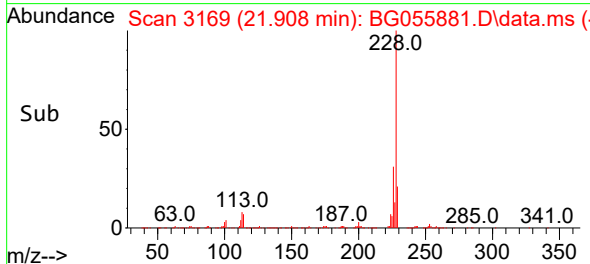
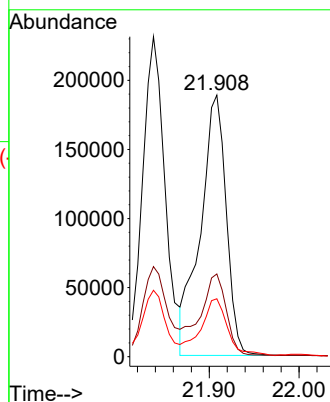
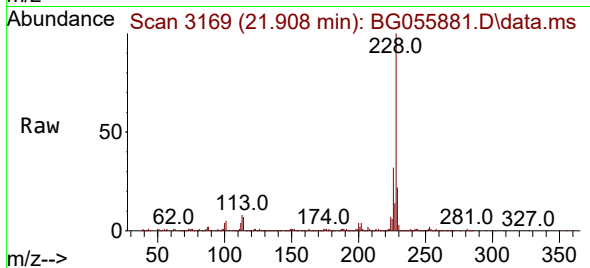
Tgt Ion:228 Resp: 376816

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.2

229 22.2 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.240 min Scan# 3736

Delta R.T. -0.010 min

Lab File: BG055881.D

Acq: 2 Dec 2022 19:50

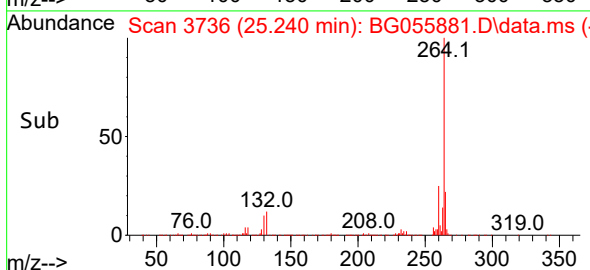
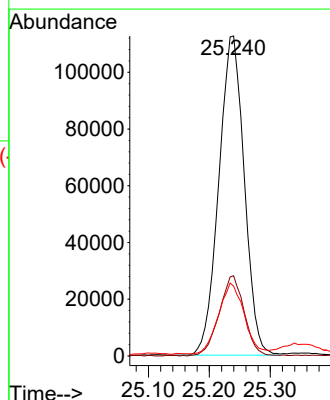
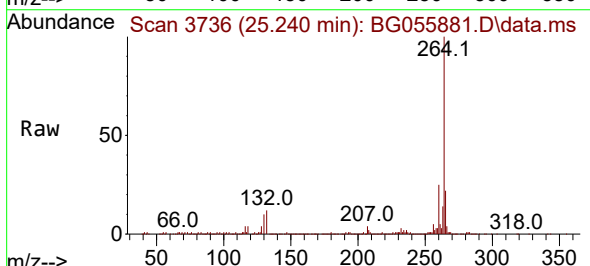
Tgt Ion:264 Resp: 326897

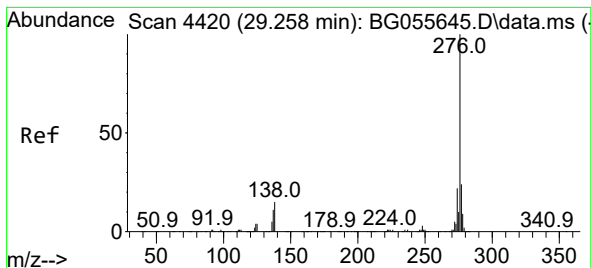
Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.991 ng

RT: 29.123 min Scan# 41

Delta R.T. -0.028 min

Lab File: BG055881.D

Acq: 2 Dec 2022 19:50

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCKDL

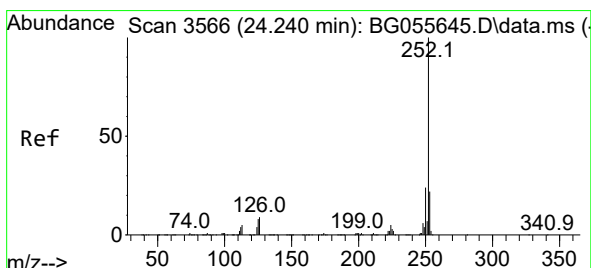
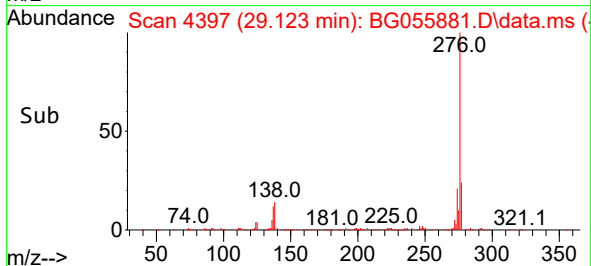
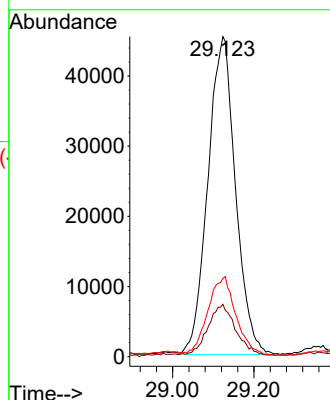
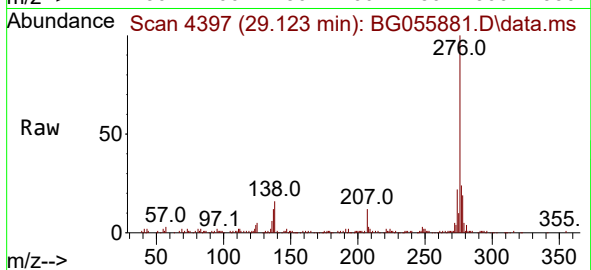
Tgt Ion:276 Resp: 214011

Ion Ratio Lower Upper

276 100

138 15.7 10.4 15.6#

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 25.155 ng

RT: 24.165 min Scan# 3553

Delta R.T. -0.004 min

Lab File: BG055881.D

Acq: 2 Dec 2022 19:50

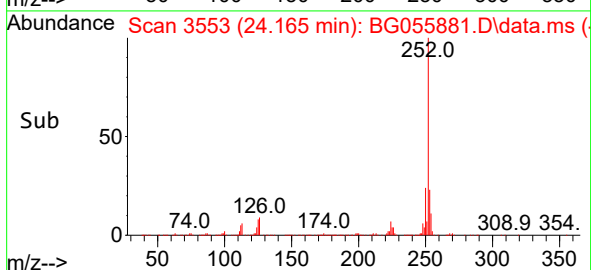
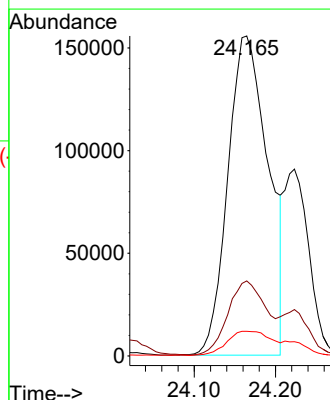
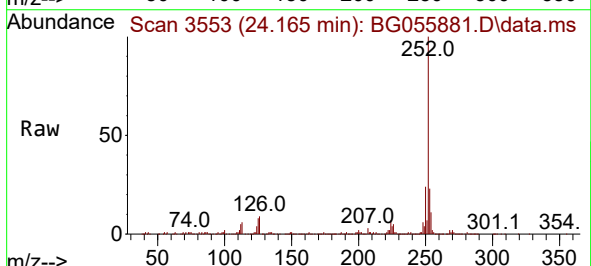
Tgt Ion:252 Resp: 535538

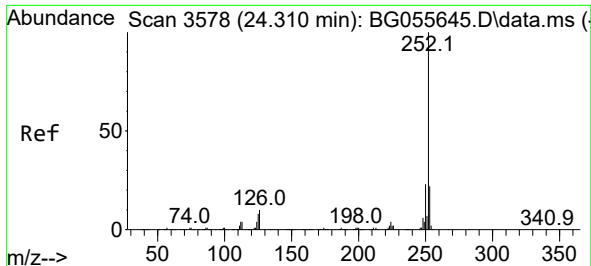
Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 7.7 6.2 9.2

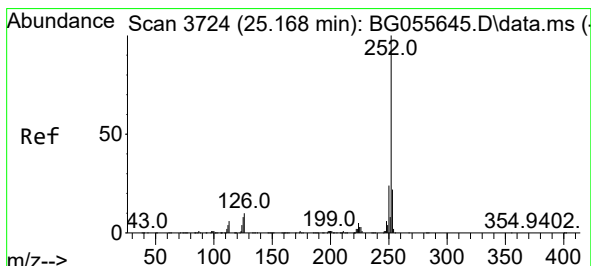
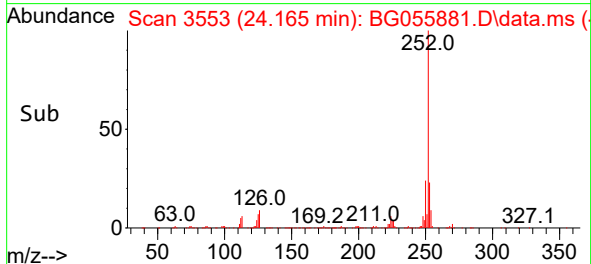
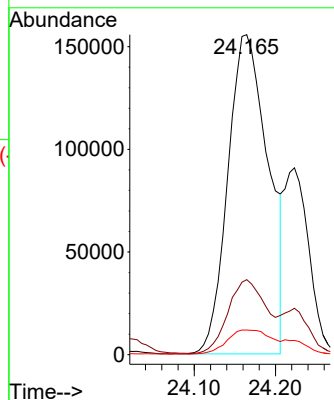
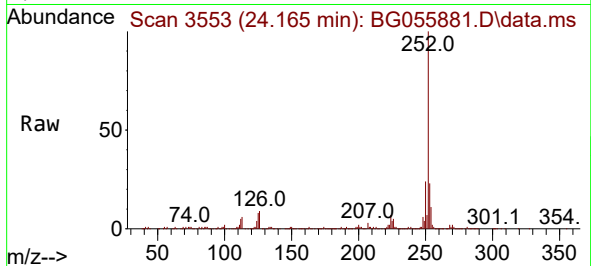




#89
Benzo(k)fluoranthene
Concen: 25.236 ng
RT: 24.165 min Scan# 31
Delta R.T. -0.075 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

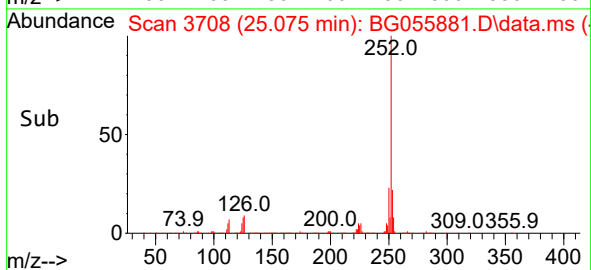
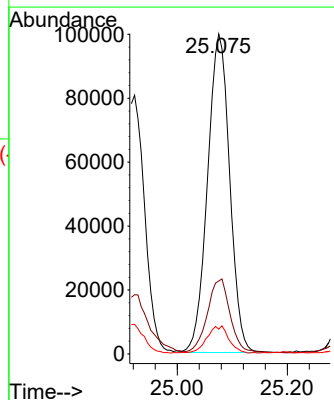
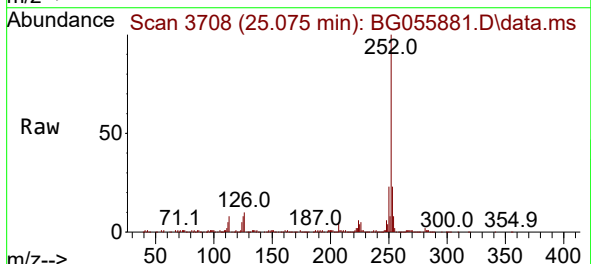
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

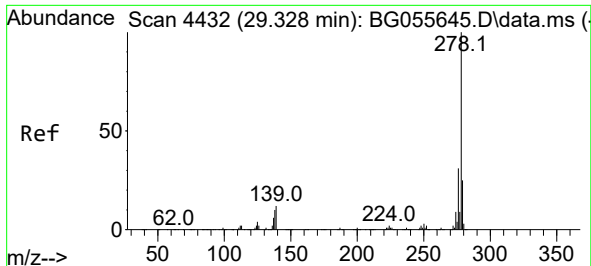
Tgt Ion:252 Resp: 535538
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 7.7 6.1 9.1



#90
Benzo(a)pyrene
Concen: 15.237 ng
RT: 25.075 min Scan# 3708
Delta R.T. -0.016 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:252 Resp: 278372
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 7.8 6.4 9.6

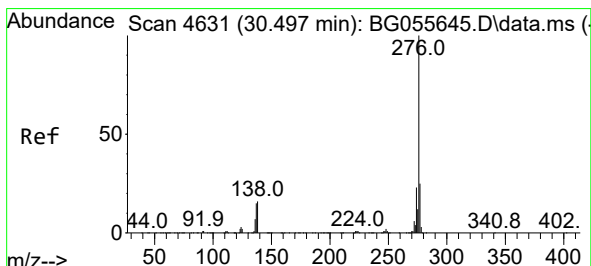
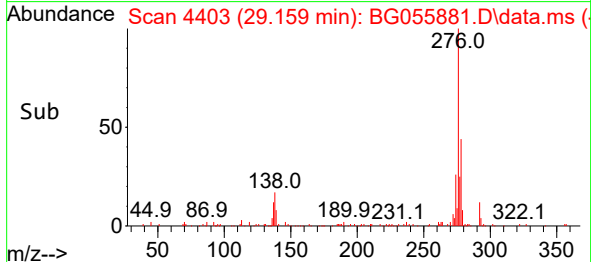
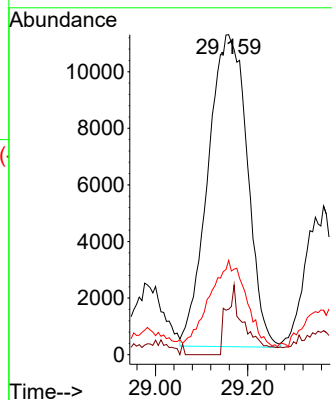
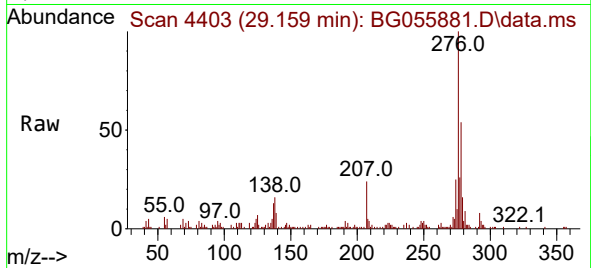




#91
Dibenzo(a,h)anthracene
Concen: 2.979 ng
RT: 29.159 min Scan# 4432
Delta R.T. -0.051 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCKDL

Tgt Ion:278 Resp: 65193
Ion Ratio Lower Upper
278 100
139 14.2 9.8 14.8
279 29.5 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 7.741 ng
RT: 30.340 min Scan# 4604
Delta R.T. -0.034 min
Lab File: BG055881.D
Acq: 2 Dec 2022 19:50

Tgt Ion:276 Resp: 170736
Ion Ratio Lower Upper
276 100
277 24.9 19.8 29.6
138 15.2 13.1 19.7

