

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG123022\
 Data File : BG056175.D
 Acq On : 30 Dec 2022 17:55
 Operator : CG/JU
 Sample : N6225-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL

Quant Time: Dec 31 00:19:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 05:20:14 2022
 Response via : Initial Calibration

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

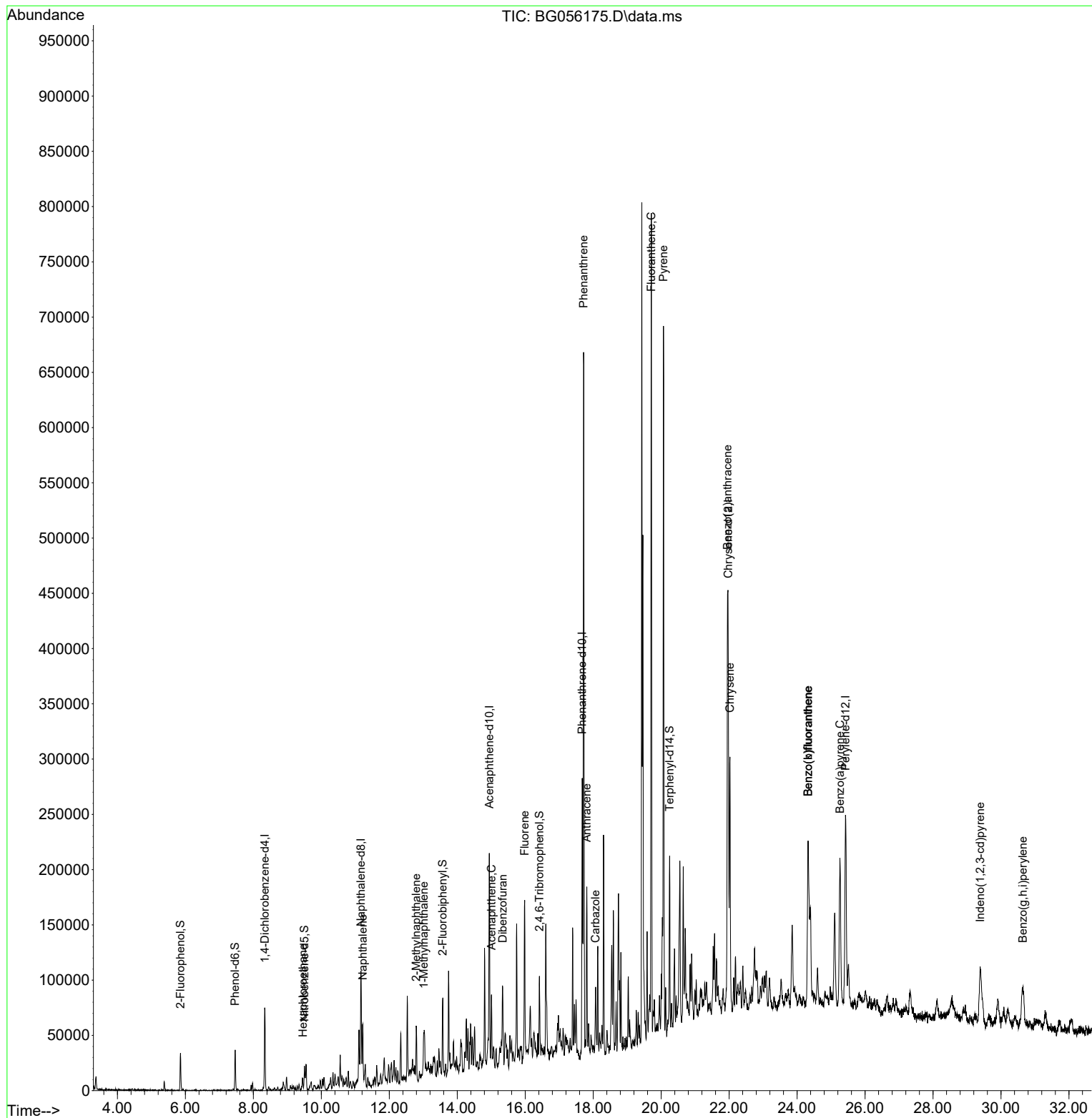
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.334	152	26127	20.000	ng	0.00
21) Naphthalene-d8	11.166	136	94098	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	72032	20.000	ng	0.00
64) Phenanthrene-d10	17.676	188	173831	20.000	ng	0.00
76) Chrysene-d12	21.971	240	186440	20.000	ng	0.00
86) Perylene-d12	25.426	264	202279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.855	112	19779	13.517	ng	0.00
7) Phenol-d6	7.465	99	28409	12.642	ng	0.00
23) Nitrobenzene-d5	9.504	82	14898	8.099	ng	0.00
42) 2,4,6-Tribromophenol	16.419	330	9595	10.518	ng	0.00
45) 2-Fluorobiphenyl	13.569	172	39933	7.655	ng	0.00
79) Terphenyl-d14	20.250	244	70458	6.769	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.456	117	1518	2.808	ng	# 1
31) Naphthalene	11.219	128	42881	8.659	ng	98
37) 2-Methylnaphthalene	12.794	142	23863	5.707	ng	99
38) 1-Methylnaphthalene	13.017	142	17861	4.600	ng	91
52) Acenaphthene	15.009	154	21276	4.937	ng	97
55) Dibenzofuran	15.338	168	45114	6.326	ng	99
58) Fluorene	15.984	166	65186	11.364	ng	96
71) Phenanthrene	17.717	178	449477	49.895	ng	97
72) Anthracene	17.811	178	103422	11.129	ng	99
73) Carbazole	18.070	167	38356	4.910	ng	97
75) Fluoranthene	19.709	202	529511	45.062	ng	99
78) Pyrene	20.068	202	446757	33.997	ng	98
81) Benzo(a)anthracene	21.954	228	233624	17.841	ng	99
83) Chrysene	22.024	228	193593	15.783	ng	98
87) Indeno(1,2,3-cd)pyrene	29.386	276	99294	6.750	ng	# 98
88) Benzo(b)fluoranthene	24.321	252	240725	18.730	ng	96
89) Benzo(k)fluoranthene	24.321	252	240725	18.809	ng	97
90) Benzo(a)pyrene	25.262	252	175547	14.004	ng	# 99
92) Benzo(g,h,i)perylene	30.643	276	88008	7.358	ng	98

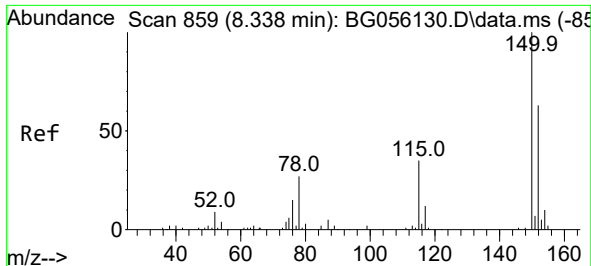
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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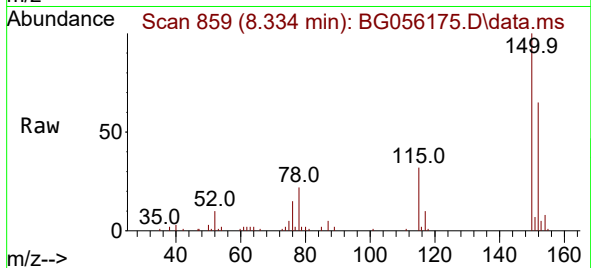
Quant Time: Dec 31 00:19:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration



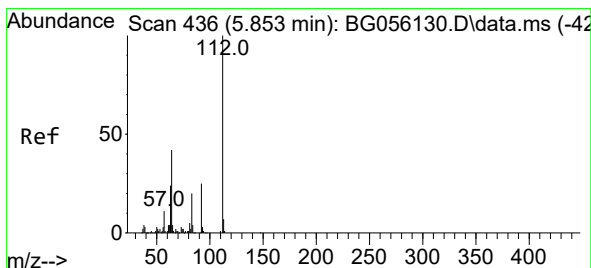
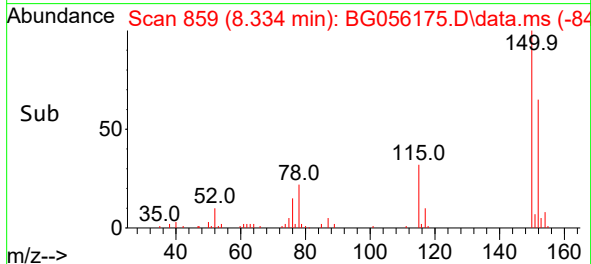
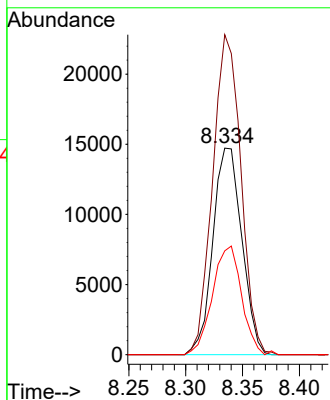


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

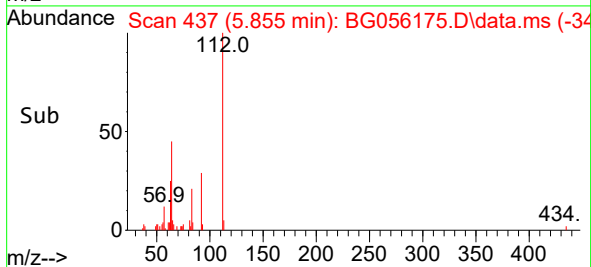
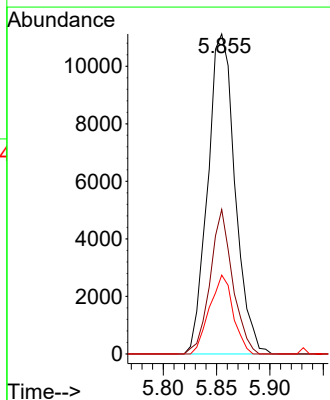
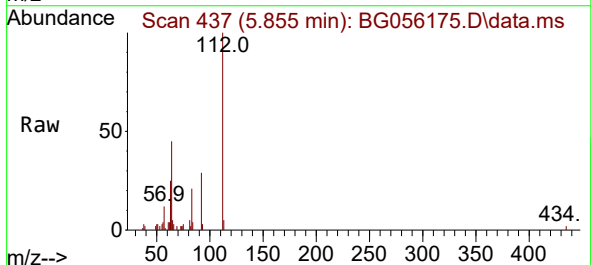


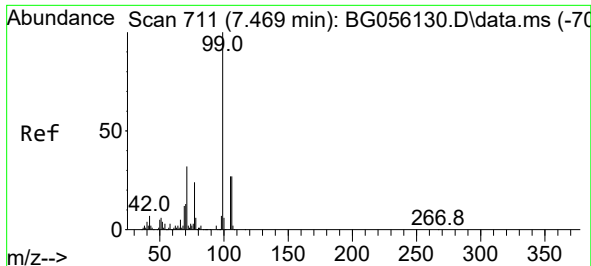
Tgt Ion:152 Resp: 26127
Ion Ratio Lower Upper
152 100
150 154.9 127.9 191.9
115 50.2 44.2 66.2



#5
2-Fluorophenol
Concen: 13.517 ng
RT: 5.855 min Scan# 437
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:112 Resp: 19779
Ion Ratio Lower Upper
112 100
64 45.1 33.3 49.9
63 24.6 19.0 28.4

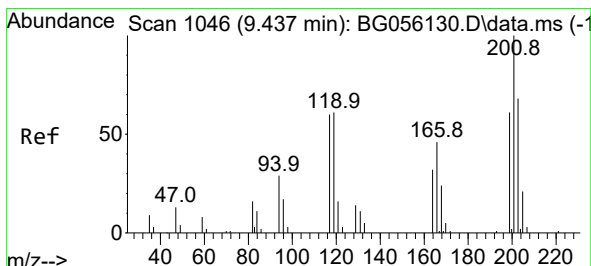
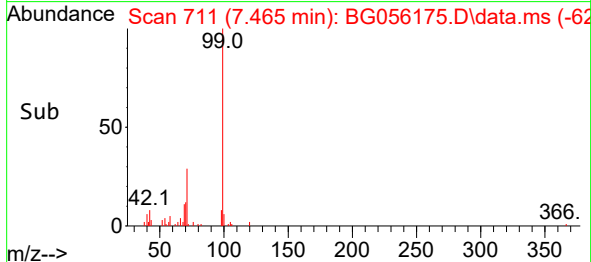
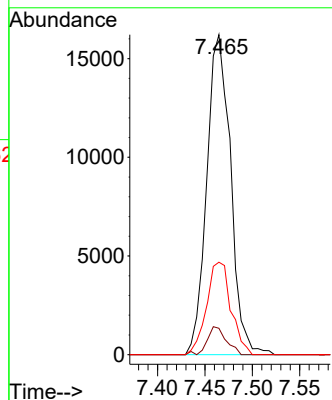
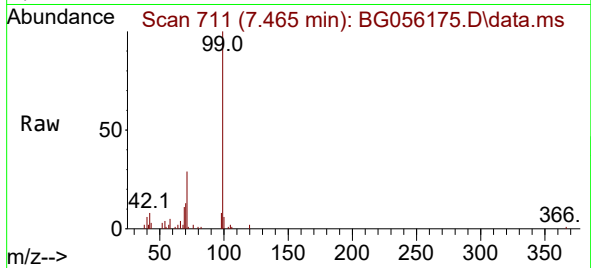




#7
Phenol-d6
Concen: 12.642 ng
RT: 7.465 min Scan# 711
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

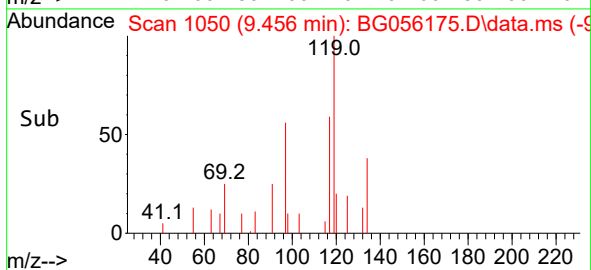
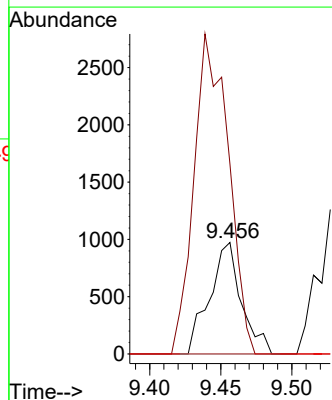
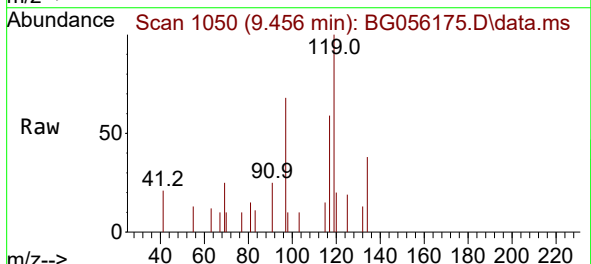
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

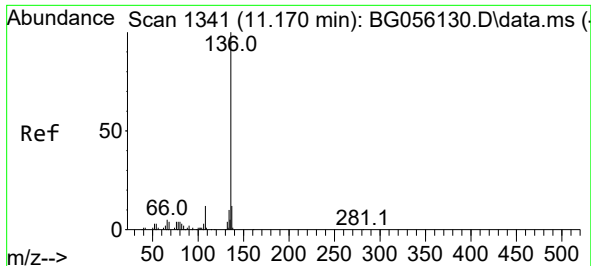
Tgt Ion: 99 Resp: 28409
Ion Ratio Lower Upper
99 100
42 8.2 5.9 8.9
71 28.9 25.4 38.2



#18
Hexachloroethane
Concen: 2.808 ng
RT: 9.456 min Scan# 1050
Delta R.T. 0.020 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion: 117 Resp: 1518
Ion Ratio Lower Upper
117 100
119 170.3 81.8 122.6#
201 0.0 134.2 201.2#

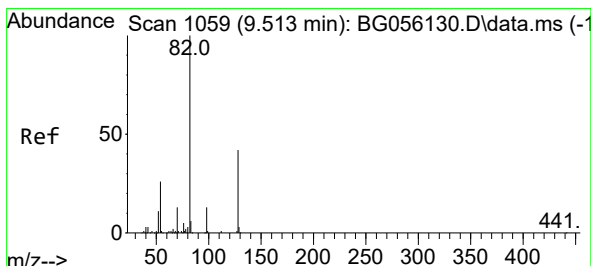
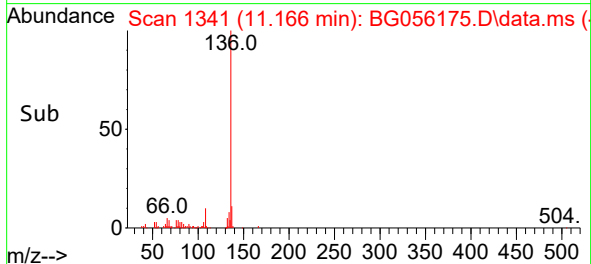
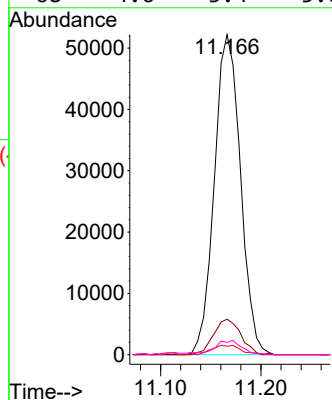
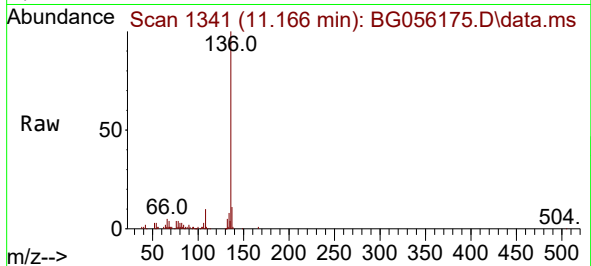




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.166 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

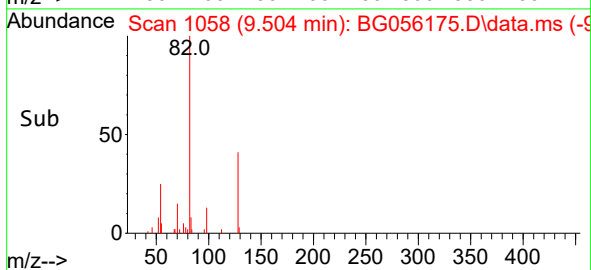
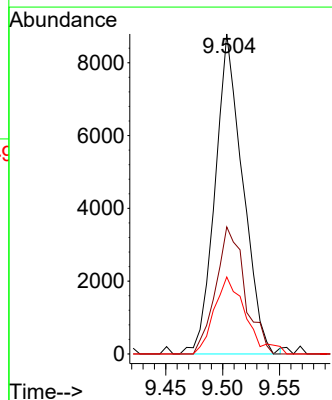
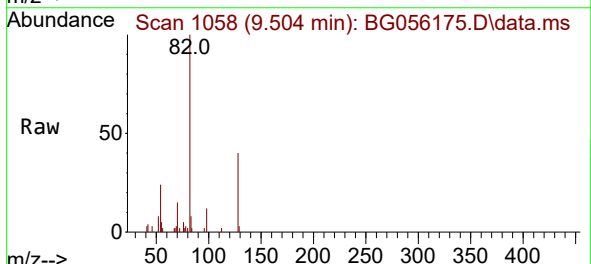
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

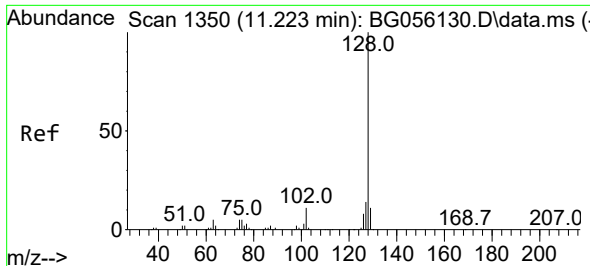
Tgt Ion:	136	Resp:	94098
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.4	14.0
54	2.7	2.2	3.2
68	4.6	3.4	5.0



#23
Nitrobenzene-d5
Concen: 8.099 ng
RT: 9.504 min Scan# 1058
Delta R.T. -0.010 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:	82	Resp:	14898
Ion Ratio	Lower	Upper	
82	100		
128	39.7	33.4	50.2
54	24.0	20.3	30.5

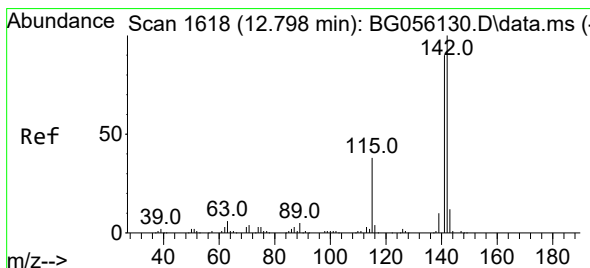
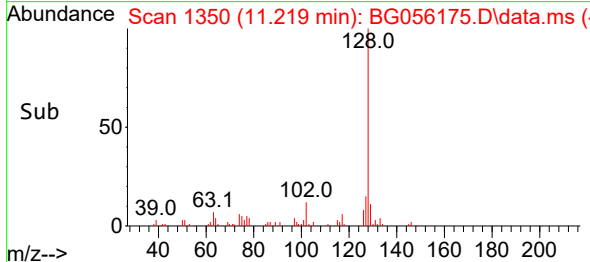
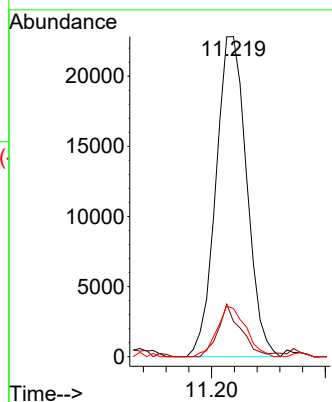
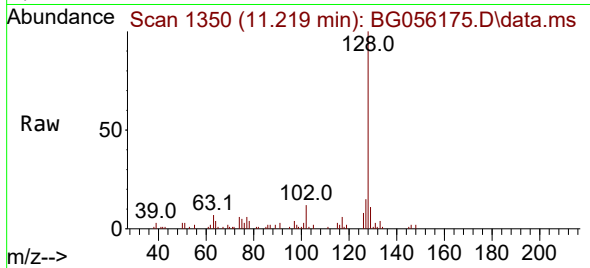




#31
Naphthalene
Concen: 8.659 ng
RT: 11.219 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

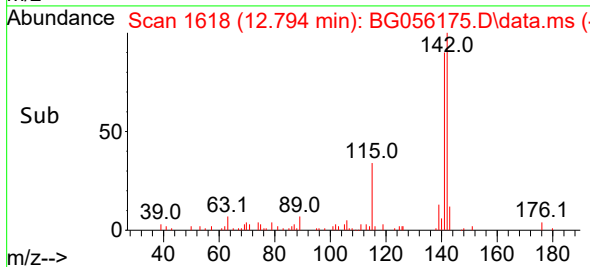
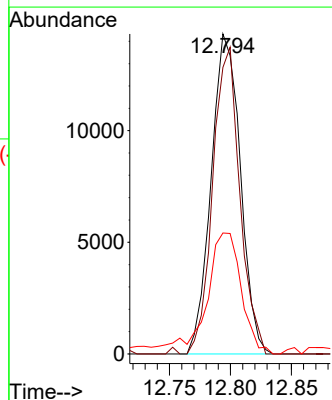
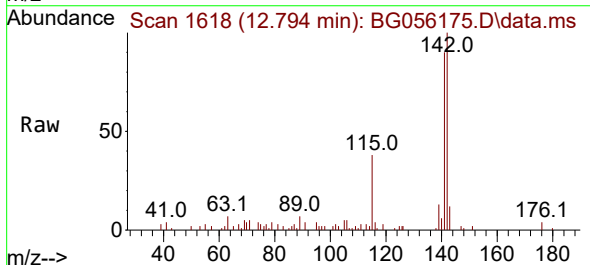
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

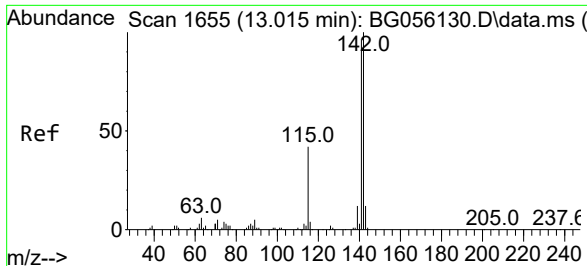
Tgt Ion:128 Resp: 42881
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 15.0 11.2 16.8



#37
2-Methylnaphthalene
Concen: 5.707 ng
RT: 12.794 min Scan# 1618
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:142 Resp: 23863
Ion Ratio Lower Upper
142 100
141 89.5 72.2 108.4
115 37.8 30.7 46.1

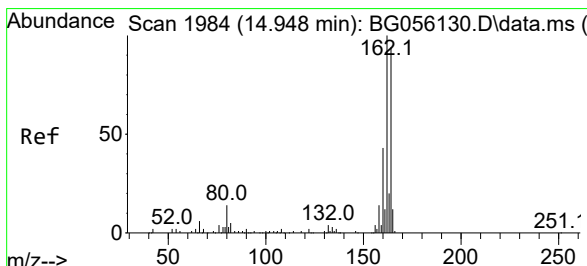
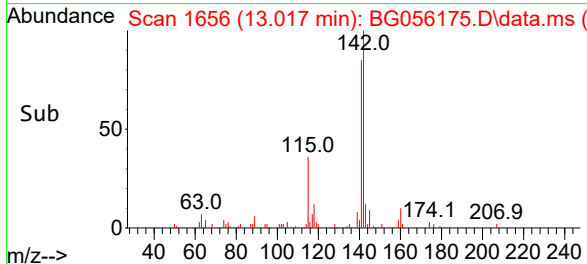
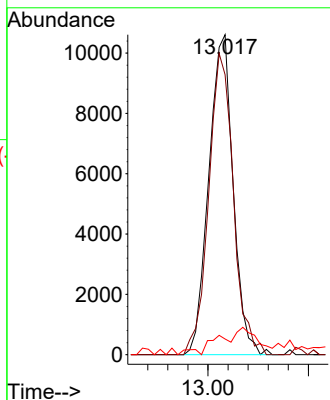
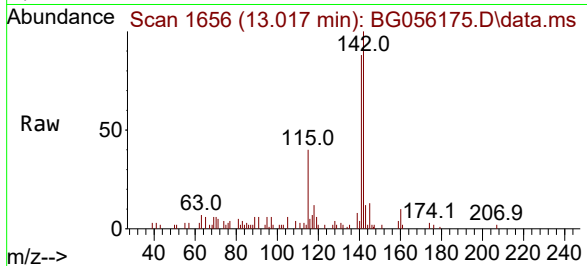




#38
1-Methylnaphthalene
Concen: 4.600 ng
RT: 13.017 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

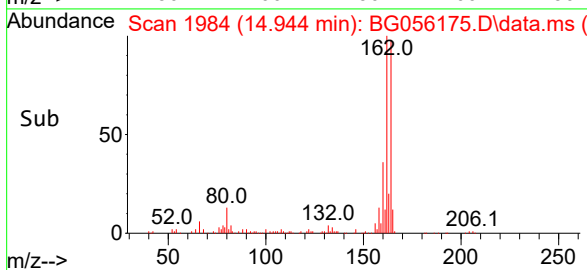
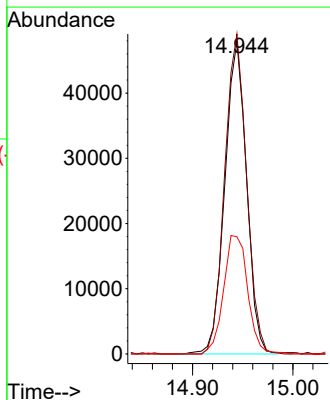
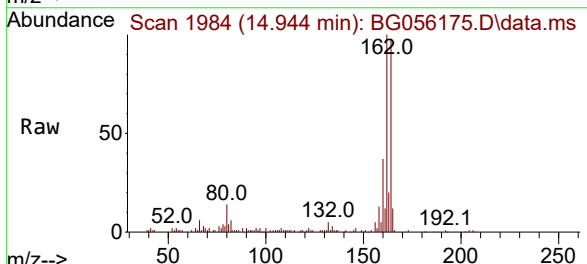
Instrument :
BNA_G
ClientSampleId :
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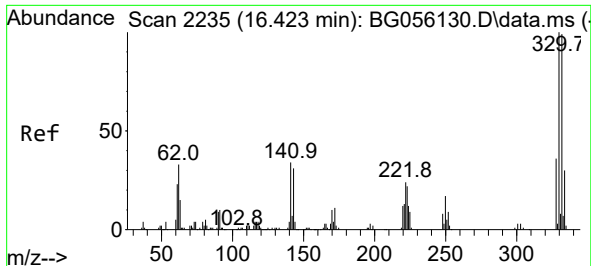
Tgt Ion:142 Resp: 17861
Ion Ratio Lower Upper
142 100
141 87.5 77.0 115.6
116 4.9 3.6 5.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.944 min Scan# 1984
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:164 Resp: 72032
Ion Ratio Lower Upper
164 100
162 102.3 84.7 127.1
160 37.5 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 10.518 ng

RT: 16.419 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG056175.D

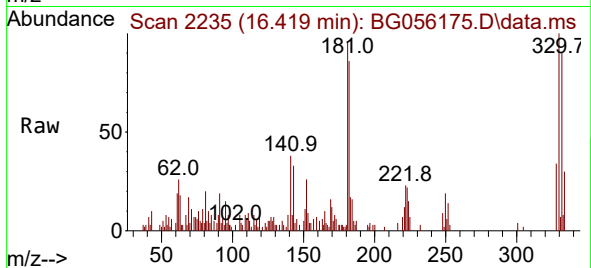
Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

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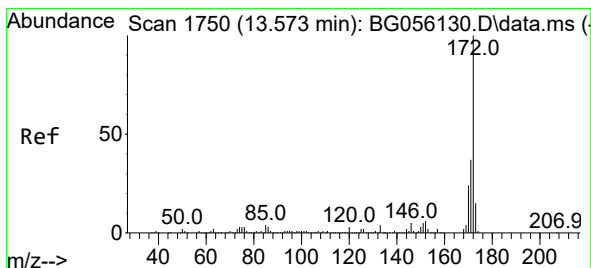
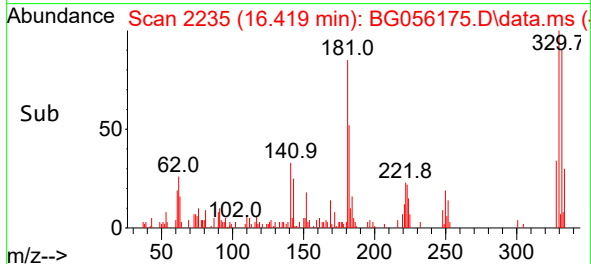
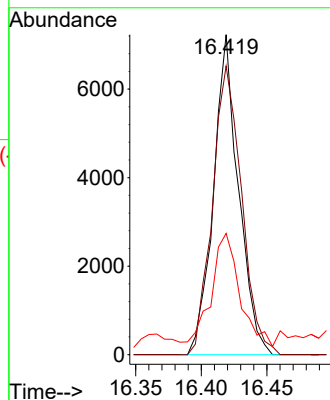
Tgt Ion:330 Resp: 9595

Ion Ratio Lower Upper

330 100

332 104.6 77.3 115.9

141 40.2 27.9 41.9



#45

2-Fluorobiphenyl

Concen: 7.655 ng

RT: 13.569 min Scan# 1750

Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

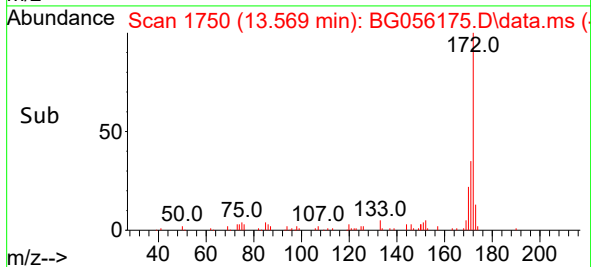
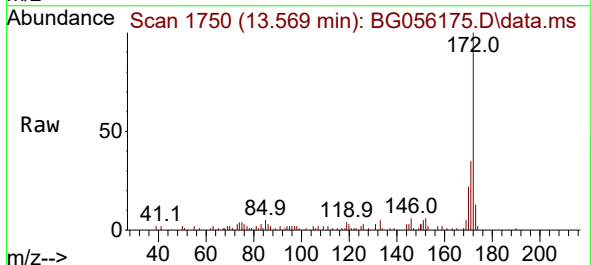
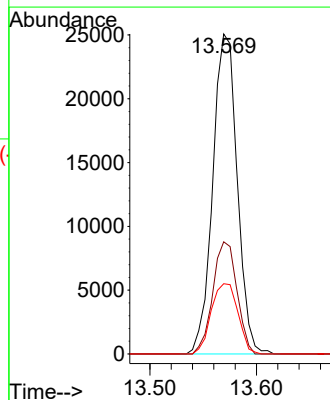
Tgt Ion:172 Resp: 39933

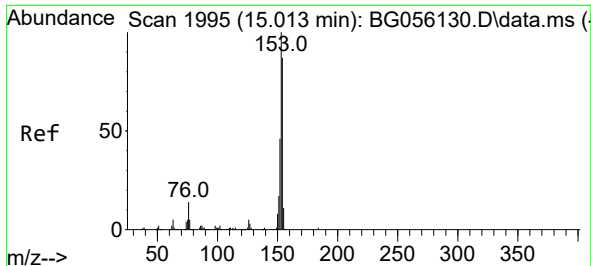
Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

170 21.9 19.4 29.2

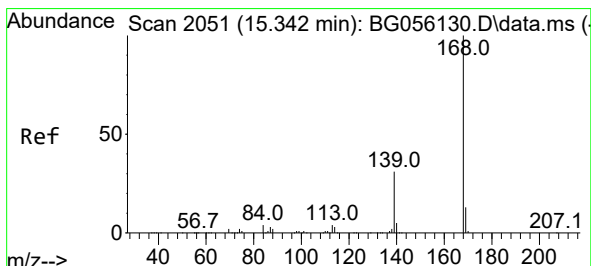
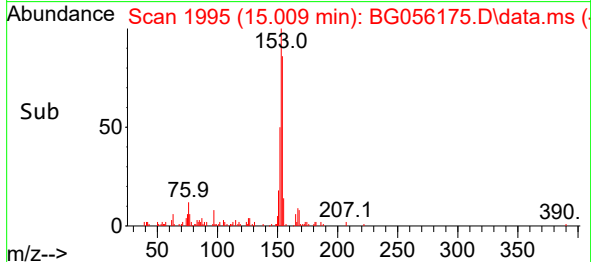
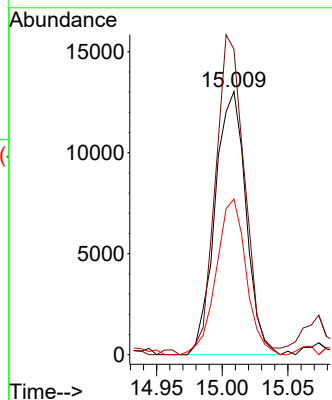
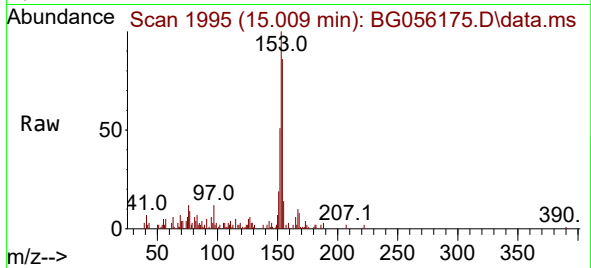




#52
Acenaphthene
Concen: 4.937 ng
RT: 15.009 min Scan# 1995
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

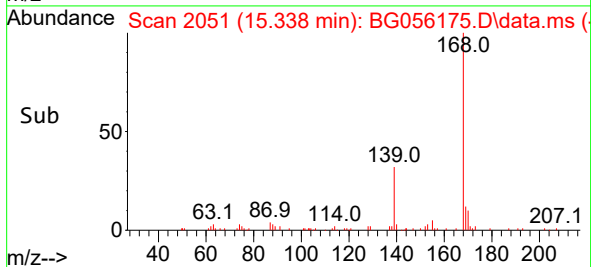
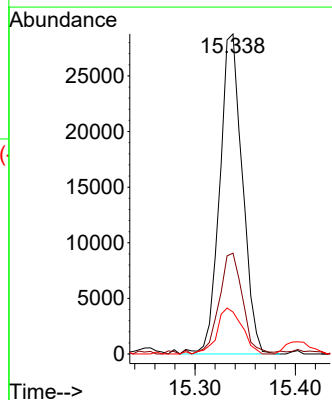
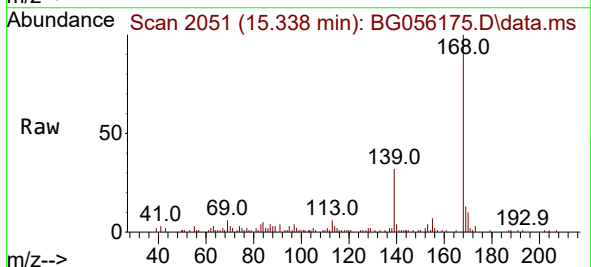
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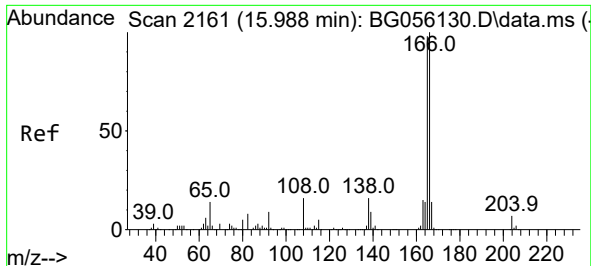
Tgt Ion:154 Resp: 21276
Ion Ratio Lower Upper
154 100
153 116.0 92.0 138.0
152 59.2 42.5 63.7



#55
Dibenzofuran
Concen: 6.326 ng
RT: 15.338 min Scan# 2051
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:168 Resp: 45114
Ion Ratio Lower Upper
168 100
139 31.5 24.7 37.1
169 13.1 10.3 15.5

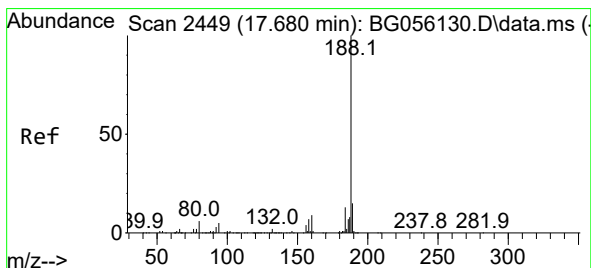
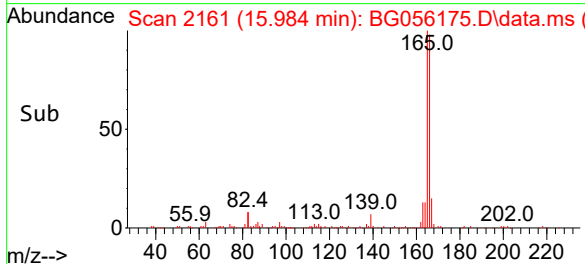
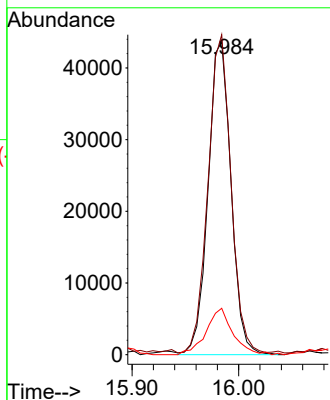
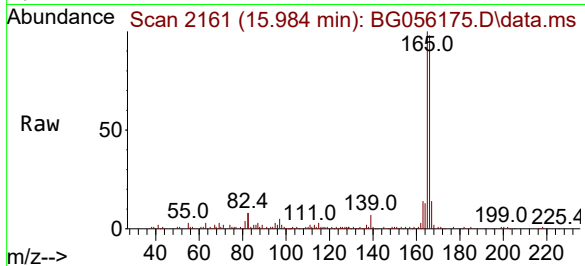




#58
Fluorene
Concen: 11.364 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

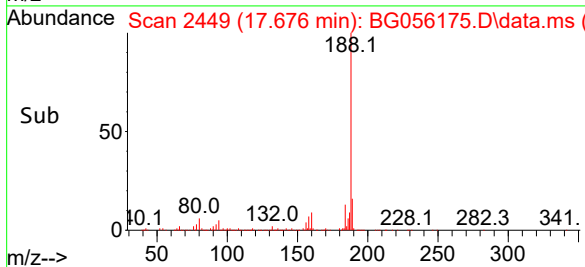
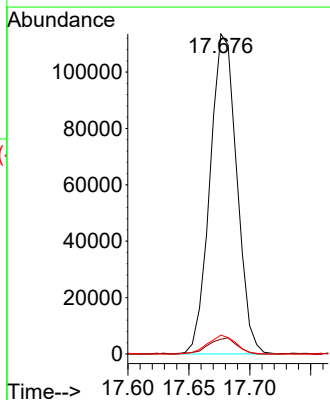
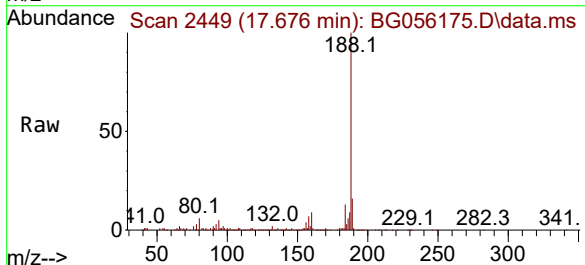
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

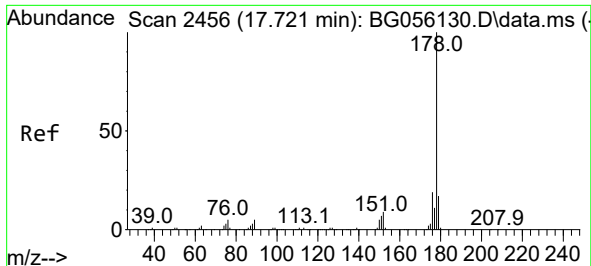
Tgt Ion:166 Resp: 65186
Ion Ratio Lower Upper
166 100
165 102.3 78.6 118.0
167 14.8 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:188 Resp: 173831
Ion Ratio Lower Upper
188 100
94 4.6 4.2 6.2
80 5.9 5.0 7.4

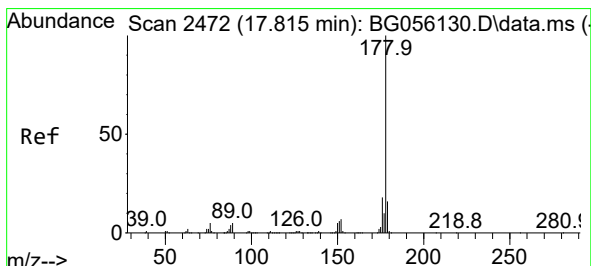
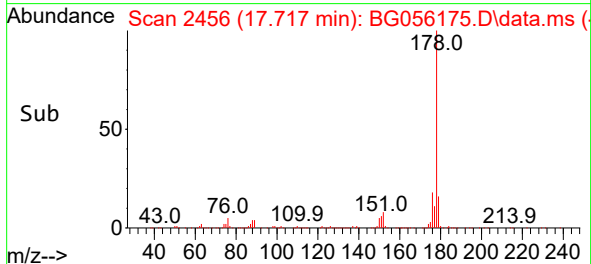
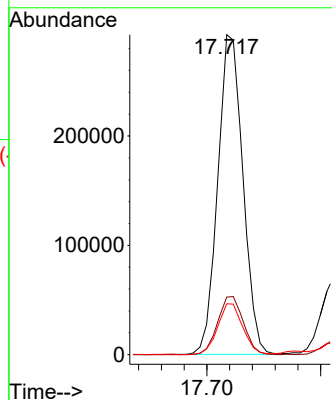
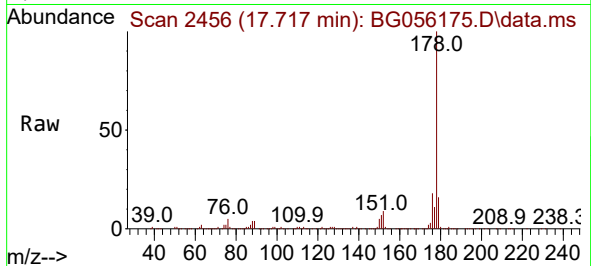




#71
Phenanthrene
Concen: 49.895 ng
RT: 17.717 min Scan# 2456
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

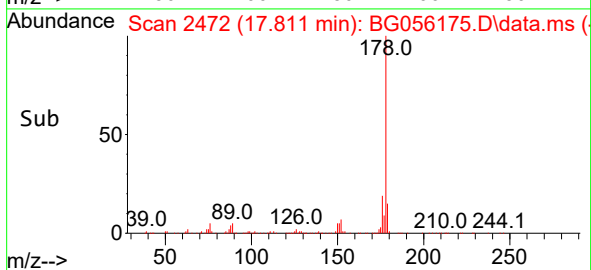
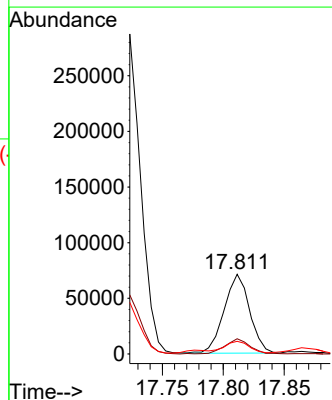
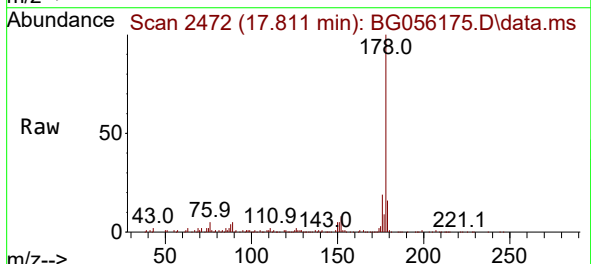
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

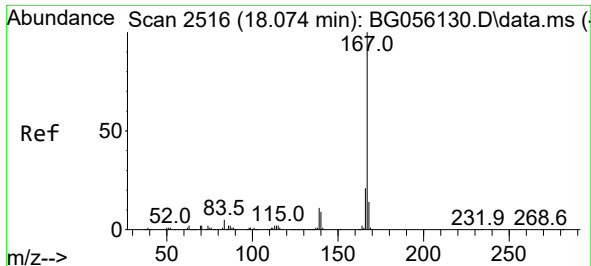
Tgt Ion:178 Resp: 449477
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.0
179 15.9 13.6 20.4



#72
Anthracene
Concen: 11.129 ng
RT: 17.811 min Scan# 2472
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:178 Resp: 103422
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 15.8 12.7 19.1

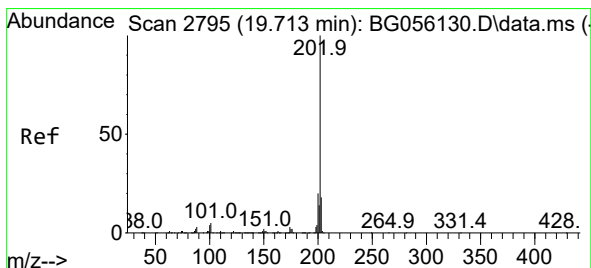
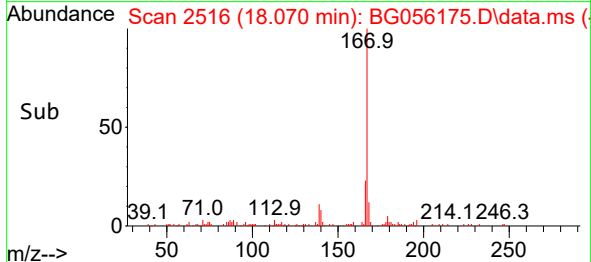
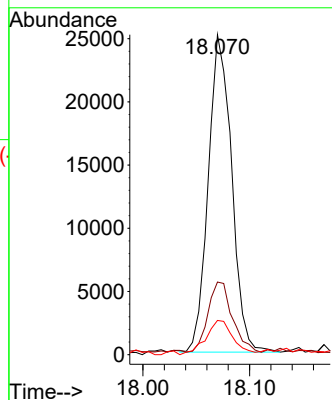
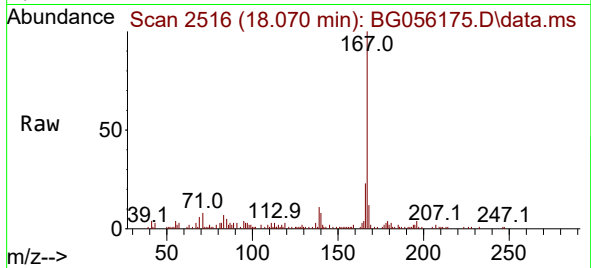




#73
 Carbazole
 Concen: 4.910 ng
 RT: 18.070 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

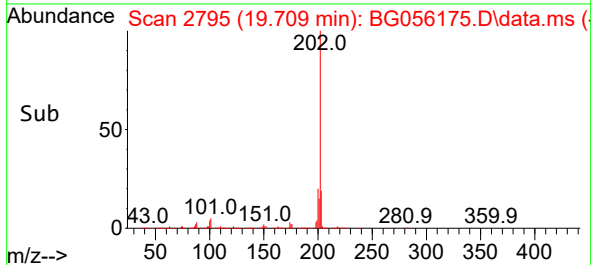
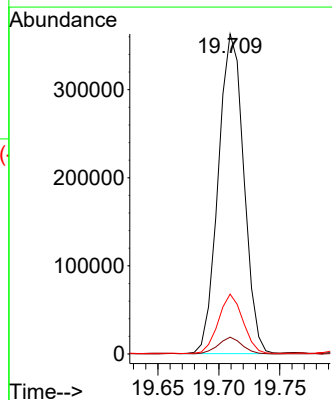
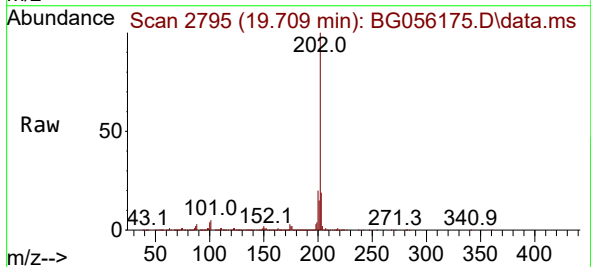
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL

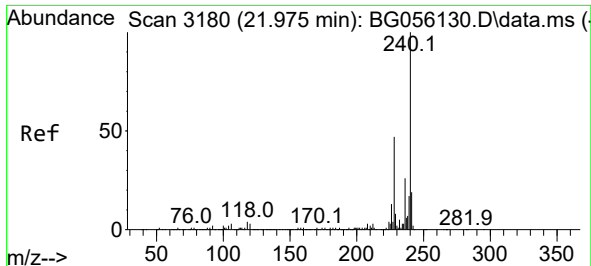
Tgt Ion:167 Resp: 38356
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.8 25.2
 139 10.7 8.9 13.3



#75
 Fluoranthene
 Concen: 45.062 ng
 RT: 19.709 min Scan# 2795
 Delta R.T. -0.004 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

Tgt Ion:202 Resp: 529511
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 25.0
 203 18.7 0.0 38.0

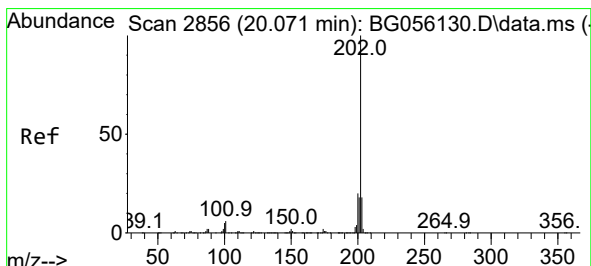
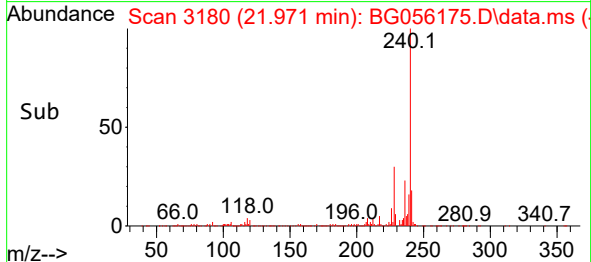
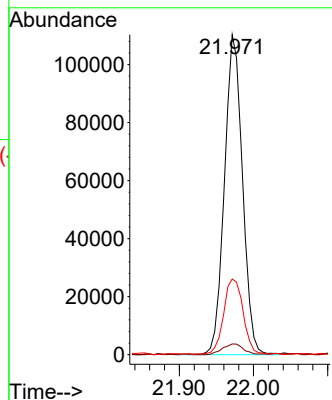
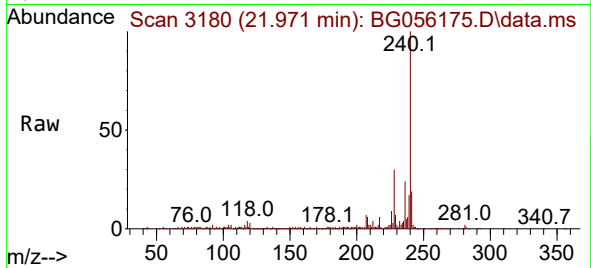




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.971 min Scan# 3180
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

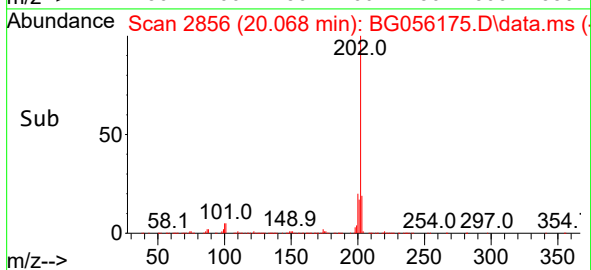
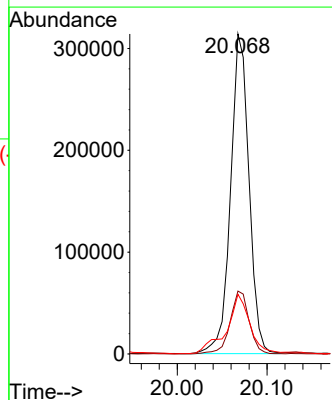
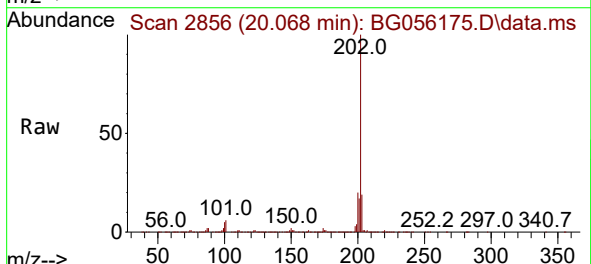
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

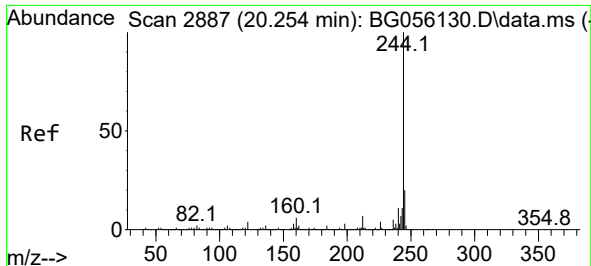
Tgt Ion:240 Resp: 186440
Ion Ratio Lower Upper
240 100
120 3.4 2.6 4.0
236 23.7 20.8 31.2



#78
Pyrene
Concen: 33.997 ng
RT: 20.068 min Scan# 2856
Delta R.T. -0.004 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

Tgt Ion:202 Resp: 446757
Ion Ratio Lower Upper
202 100
200 19.7 16.4 24.6
203 18.7 14.3 21.5

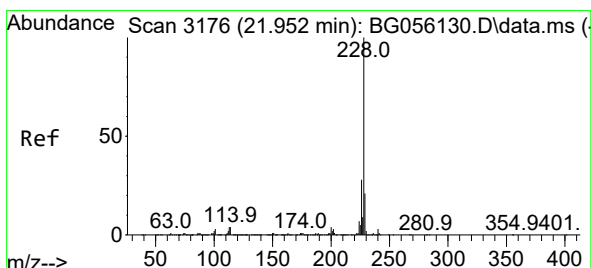
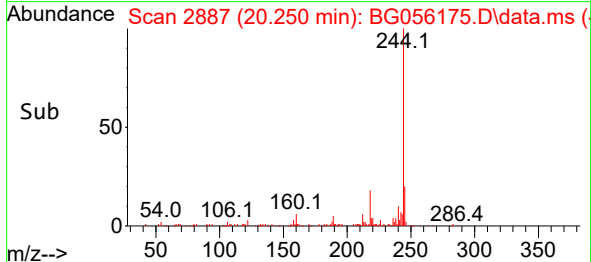
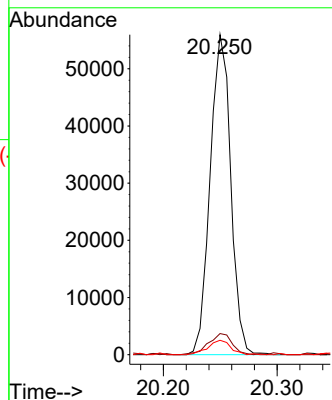
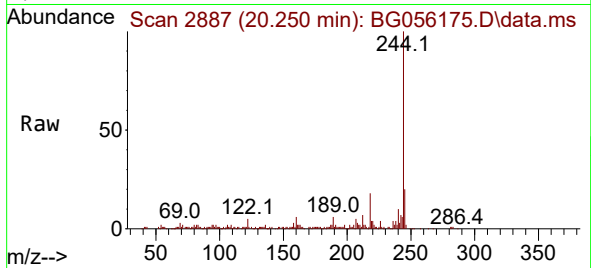




#79
 Terphenyl-d14
 Concen: 6.769 ng
 RT: 20.250 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

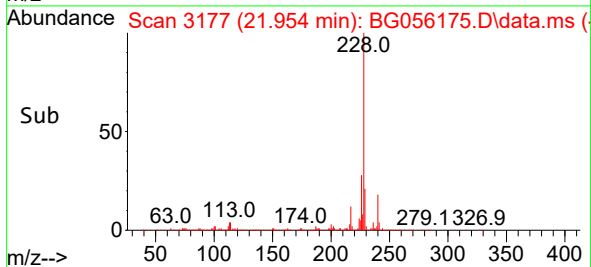
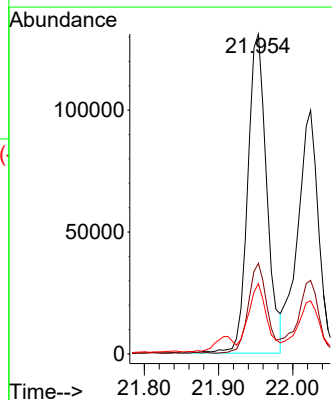
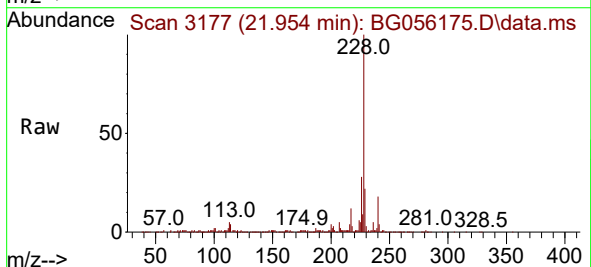
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL

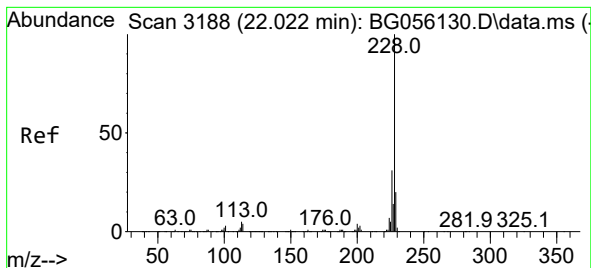
Tgt Ion:244 Resp: 70458
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 4.5 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 17.841 ng
 RT: 21.954 min Scan# 3177
 Delta R.T. 0.002 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

Tgt Ion:228 Resp: 233624
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 22.0 16.9 25.3





#83

Chrysene

Concen: 15.783 ng

RT: 22.024 min Scan# 3188

Delta R.T. 0.002 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

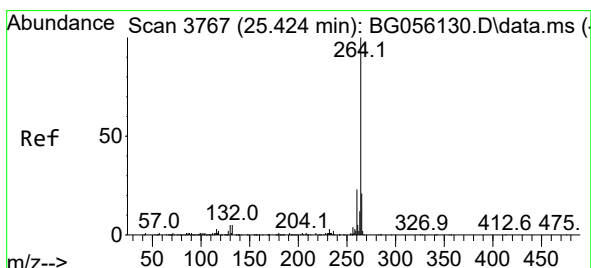
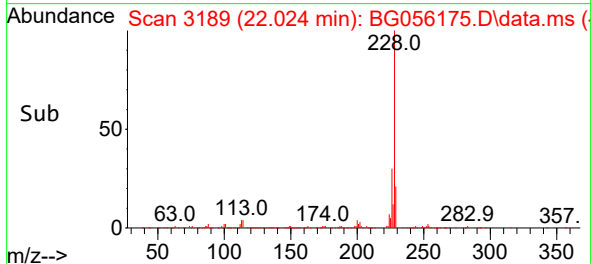
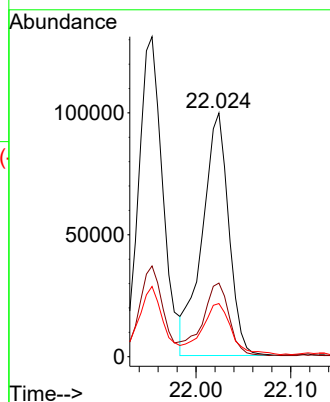
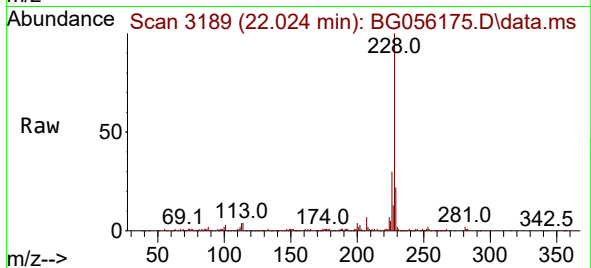
Tgt Ion:228 Resp: 193593

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.426 min Scan# 3768

Delta R.T. 0.002 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

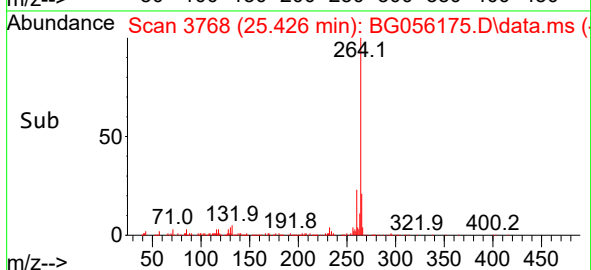
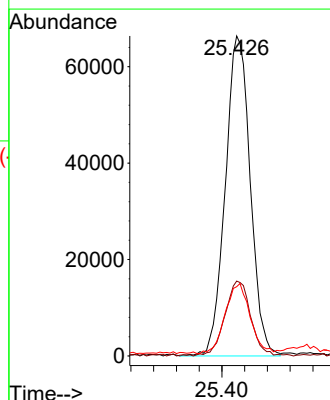
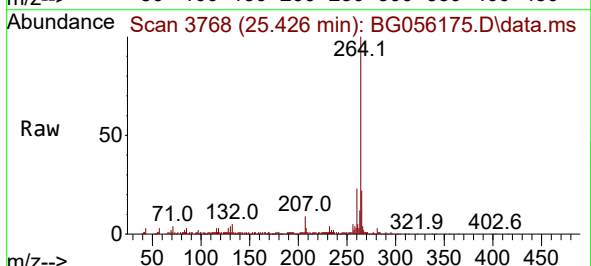
Tgt Ion:264 Resp: 202279

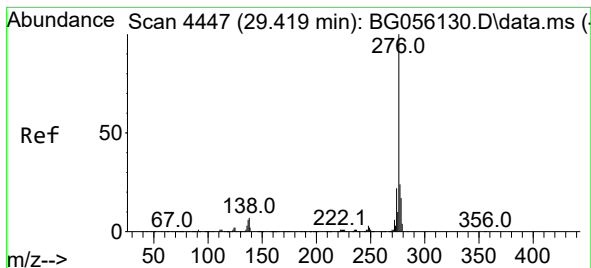
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.750 ng

RT: 29.386 min Scan# 4442

Delta R.T. -0.033 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

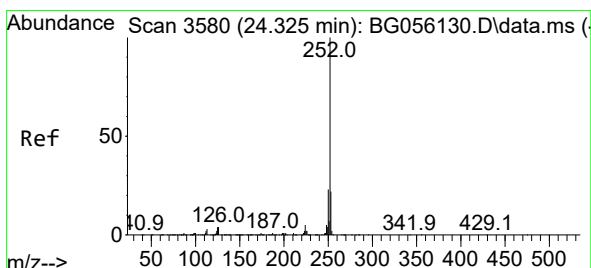
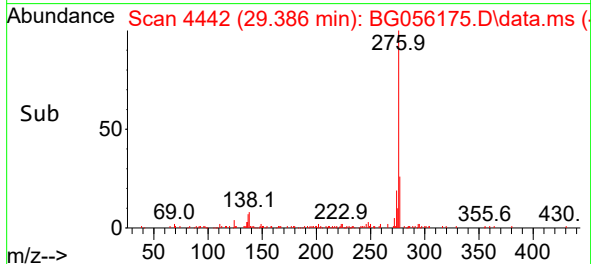
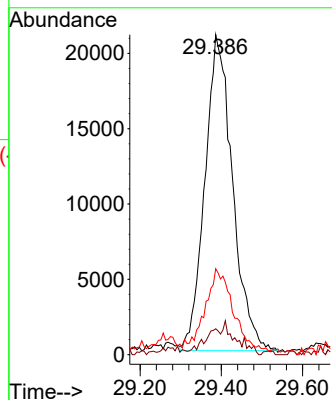
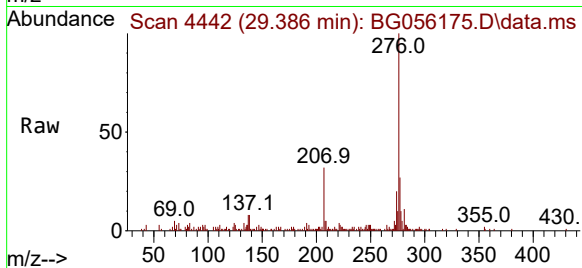
Instrument :

BNA_G

ClientSampleId :

EO-03-122822DL

Tgt Ion:	276	Resp:	99294
Ion Ratio	Lower	Upper	
276	100		
138	3.9	5.0	7.4#
277	26.0	20.5	30.7



#88

Benzo(b)fluoranthene

Concen: 18.730 ng

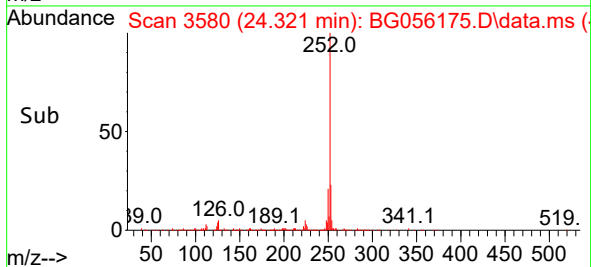
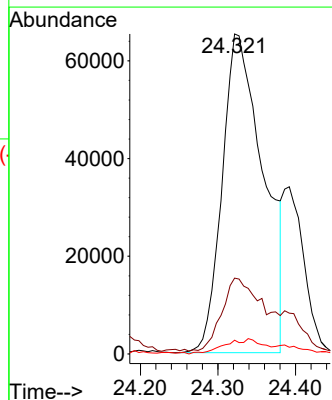
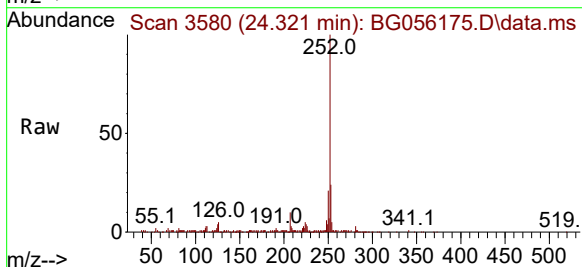
RT: 24.321 min Scan# 3580

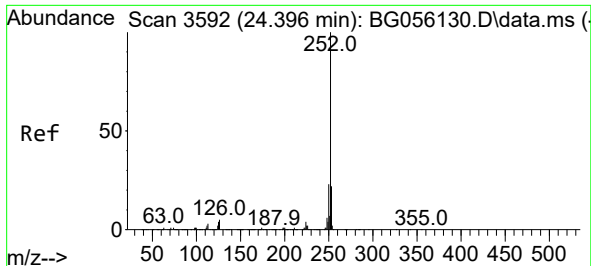
Delta R.T. -0.004 min

Lab File: BG056175.D

Acq: 30 Dec 2022 17:55

Tgt Ion:	252	Resp:	240725
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	4.3	3.0	4.4

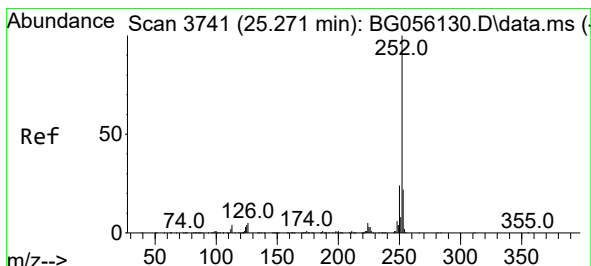
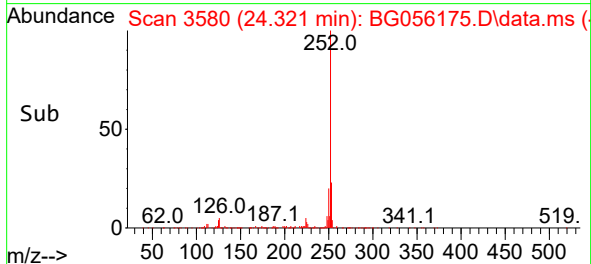
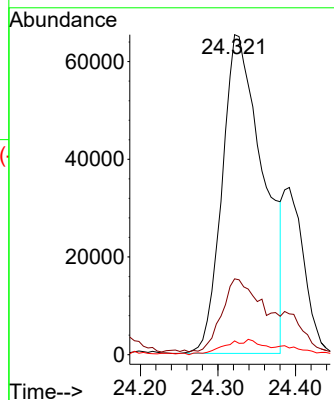
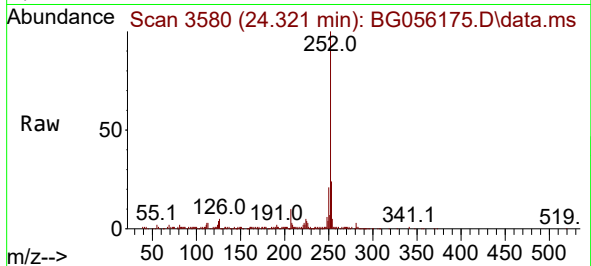




#89
Benzo(k)fluoranthene
Concen: 18.809 ng
RT: 24.321 min Scan# 31
Delta R.T. -0.074 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

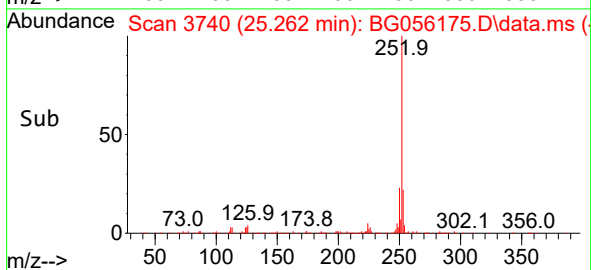
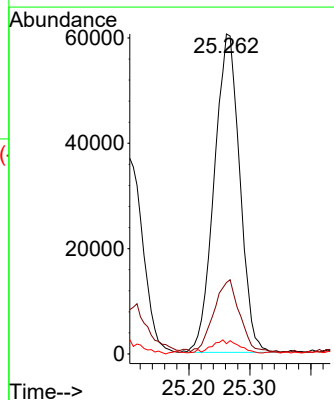
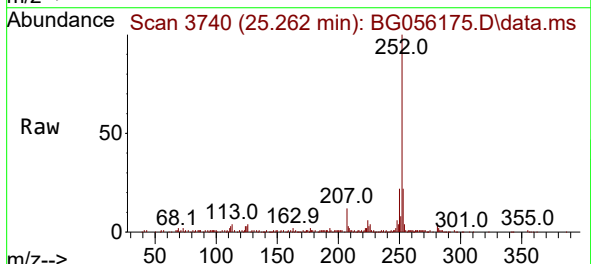
Instrument :
BNA_G
ClientSampleId :
EO-03-122822DL

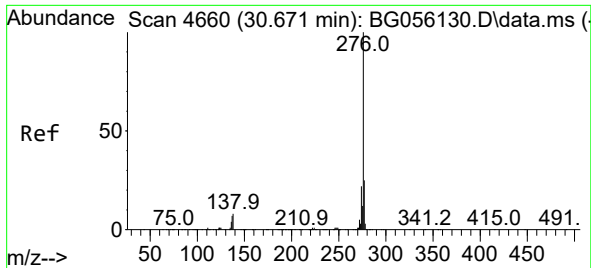
Tgt Ion:252 Resp: 240725
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 4.3 3.4 5.0



#90
Benzo(a)pyrene
Concen: 14.004 ng
RT: 25.262 min Scan# 3740
Delta R.T. -0.010 min
Lab File: BG056175.D
Acq: 30 Dec 2022 17:55

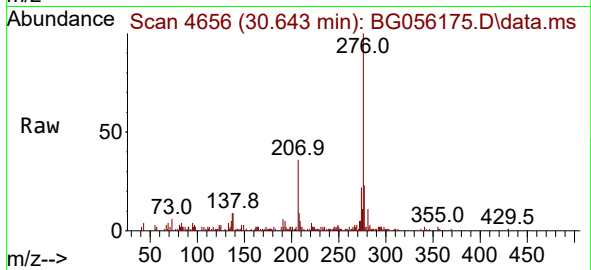
Tgt Ion:252 Resp: 175547
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 3.2 3.2 4.8#





#92
 Benzo(g,h,i)perylene
 Concen: 7.358 ng
 RT: 30.643 min Scan# 4
 Delta R.T. -0.027 min
 Lab File: BG056175.D
 Acq: 30 Dec 2022 17:55

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-122822DL



Tgt Ion:276 Resp: 88008
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.7 29.5
 138 8.7 6.7 10.1

