

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102022\
 Data File : BG055226.D
 Acq On : 20 Oct 2022 19:13
 Operator : CG/JU
 Sample : N5184-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-101822

Quant Time: Oct 21 03:06:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 20 09:21:42 2022
 Response via : Initial Calibration

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

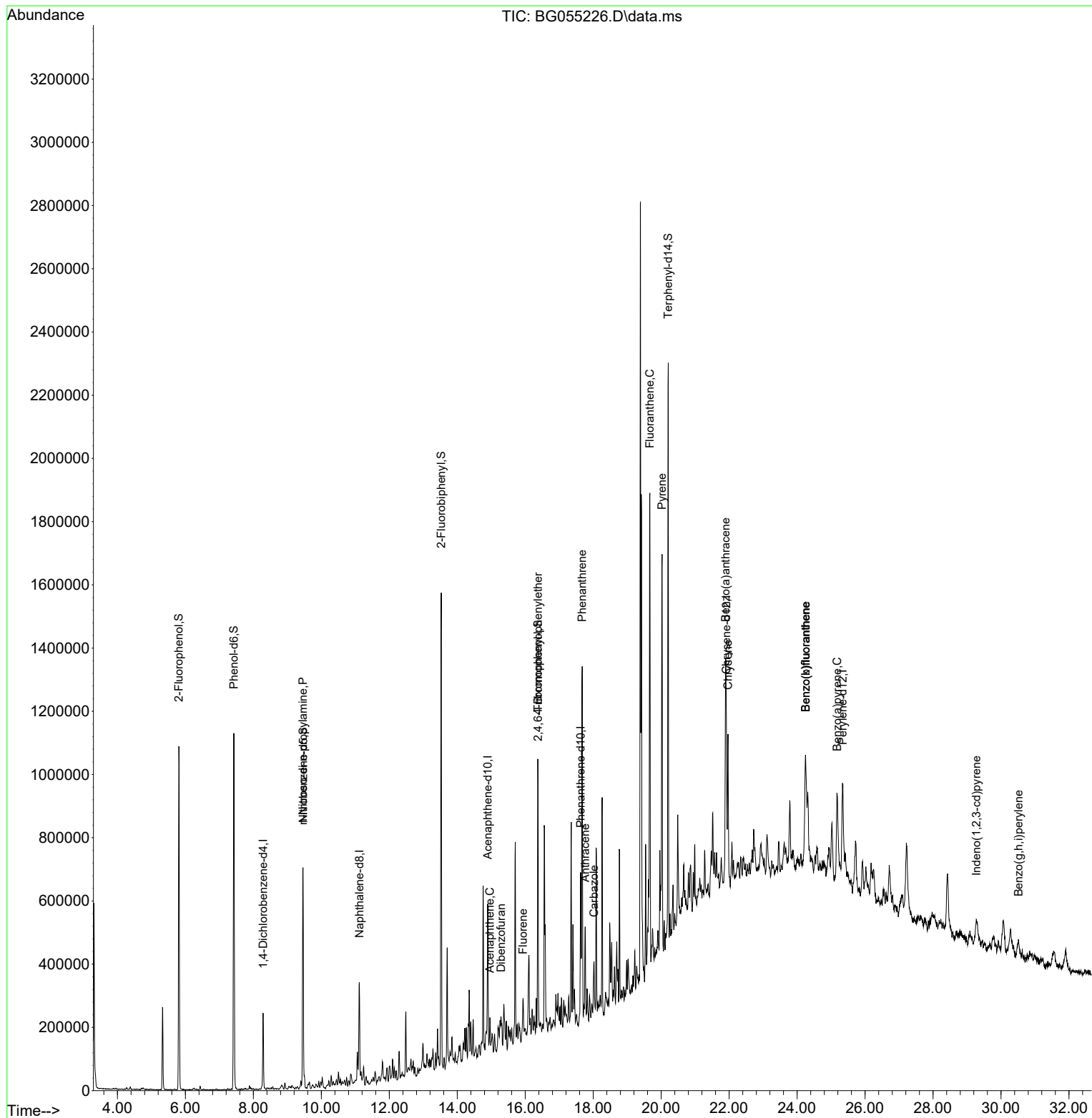
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.287	152	65446	20.000	ng	0.00
21) Naphthalene-d8	11.119	136	270469	20.000	ng	0.00
39) Acenaphthene-d10	14.897	164	147359	20.000	ng	0.00
64) Phenanthrene-d10	17.629	188	272536	20.000	ng	0.00
76) Chrysene-d12	21.918	240	233465	20.000	ng	0.00
86) Perylene-d12	25.343	264	234055	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.807	112	484385	133.160	ng	0.00
7) Phenol-d6	7.423	99	686388	123.831	ng	0.00
23) Nitrobenzene-d5	9.462	82	444777	79.391	ng	0.00
42) 2,4,6-Tribromophenol	16.377	330	144762	94.805	ng	0.00
45) 2-Fluorobiphenyl	13.528	172	720237	78.070	ng	0.00
79) Terphenyl-d14	20.208	244	818208	65.302	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.456	70	62348	13.115	ng	# 75
52) Acenaphthene	14.961	154	25967	2.968	ng	91
55) Dibenzofuran	15.290	168	38864	3.084	ng	# 94
58) Fluorene	15.937	166	46703	4.400	ng	96
67) 4-Bromophenyl-phenylether	16.371	248	9527	3.586	ng	# 1
71) Phenanthrene	17.676	178	640503	44.042	ng	99
72) Anthracene	17.764	178	183792	12.933	ng	99
73) Carbazole	18.022	167	80655	6.163	ng	99
75) Fluoranthene	19.667	202	881647	54.729	ng	99
78) Pyrene	20.026	202	741155	42.131	ng	99
81) Benzo(a)anthracene	21.894	228	375799	24.816	ng	97
83) Chrysene	21.965	228	324104	22.982	ng	97
87) Indeno(1,2,3-cd)pyrene	29.280	276	127763	7.848	ng	# 84
88) Benzo(b)fluoranthene	24.250	252	369397	26.577	ng	# 82
89) Benzo(k)fluoranthene	24.250	252	369397	26.242	ng	# 83
90) Benzo(a)pyrene	25.179	252	271674	22.773	ng	# 88
92) Benzo(g,h,i)perylene	30.519	276	111898	8.661	ng	# 83

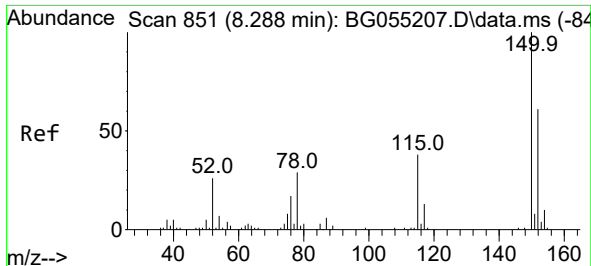
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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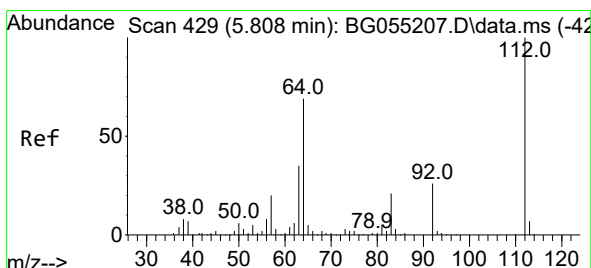
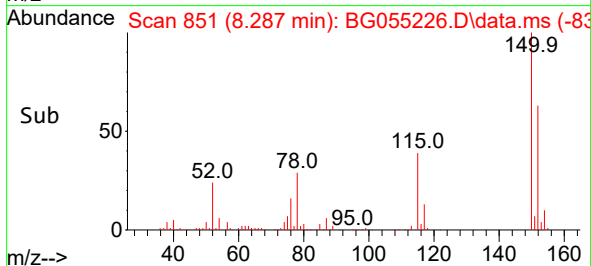
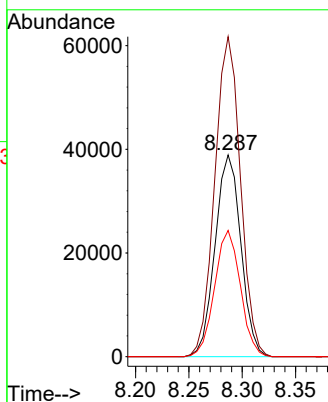
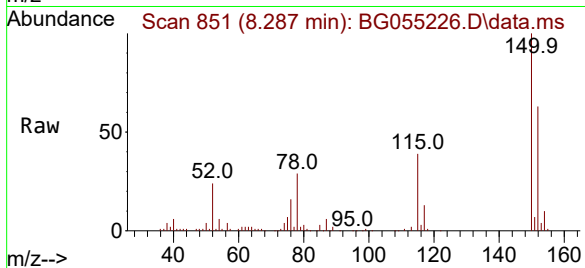




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.287 min Scan# 851
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

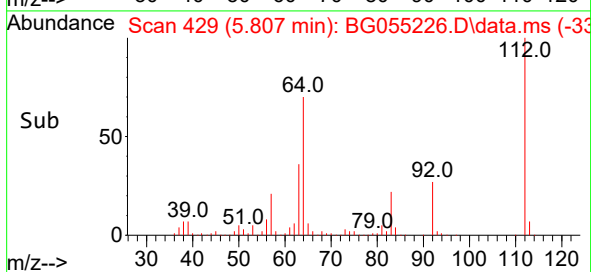
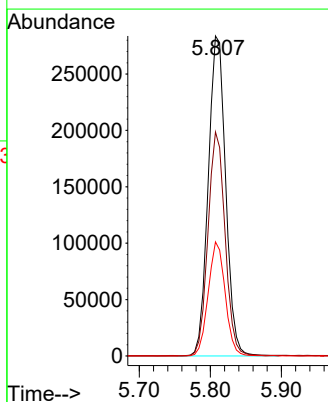
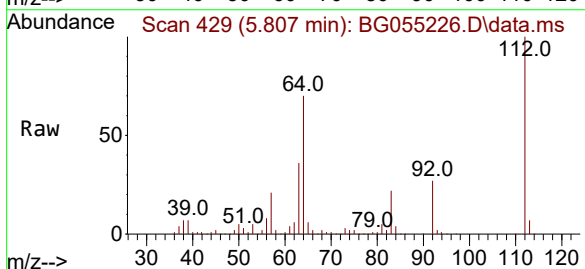
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

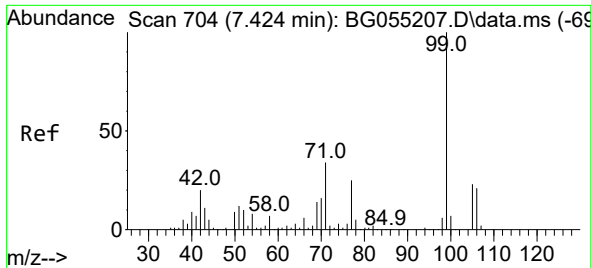
Tgt Ion:152 Resp: 65446
Ion Ratio Lower Upper
152 100
150 158.6 130.2 195.2
115 62.6 50.0 75.0



#5
2-Fluorophenol
Concen: 133.160 ng
RT: 5.807 min Scan# 429
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:112 Resp: 484385
Ion Ratio Lower Upper
112 100
64 70.0 55.1 82.7
63 35.7 27.8 41.6

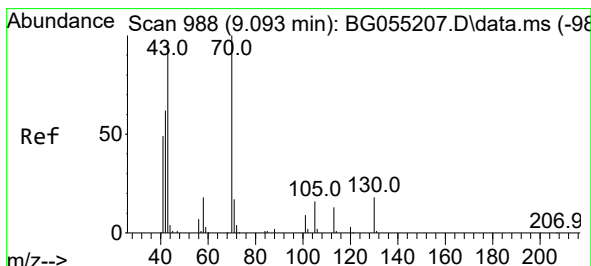
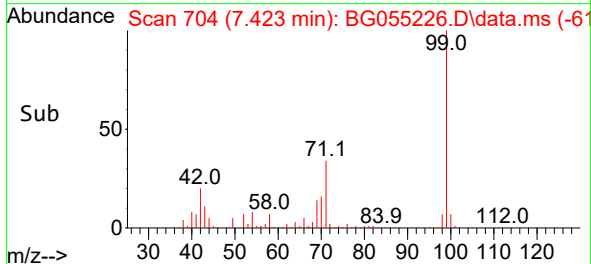
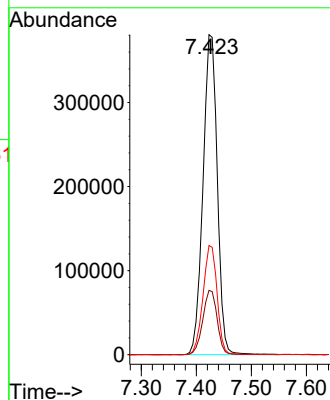
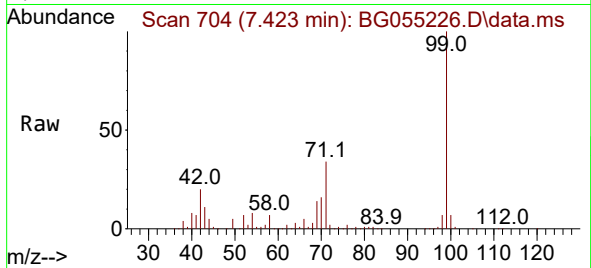




#7
Phenol-d6
Concen: 123.831 ng
RT: 7.423 min Scan# 704
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

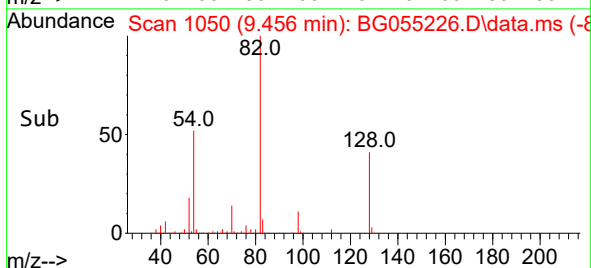
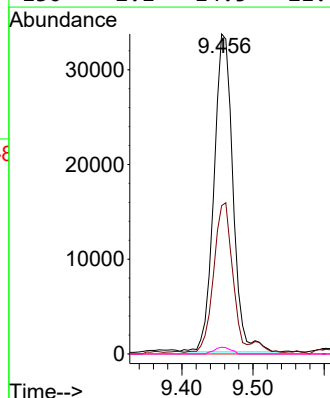
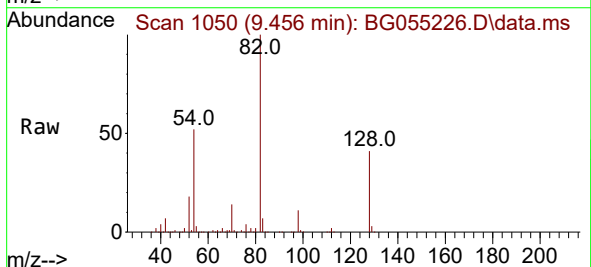
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

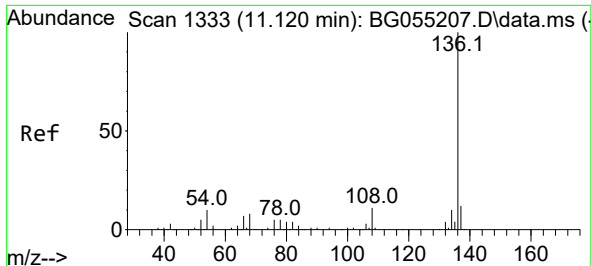
Tgt Ion: 99 Resp: 686388
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.4
71 34.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.115 ng
RT: 9.456 min Scan# 1050
Delta R.T. 0.363 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion: 70 Resp: 62348
Ion Ratio Lower Upper
70 100
42 46.3 50.8 76.2#
101 0.0 7.0 10.6#
130 2.1 14.5 21.7#

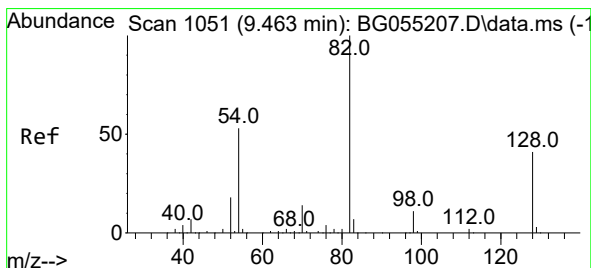
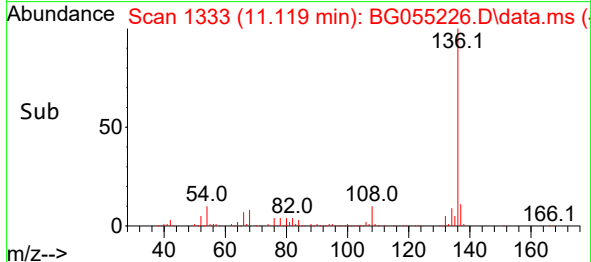
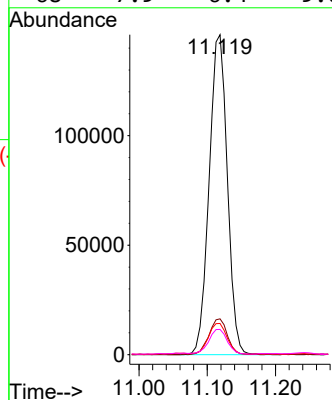
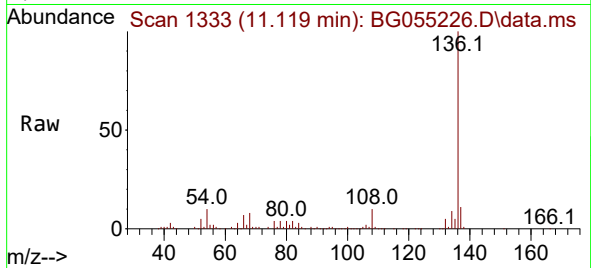




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.119 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

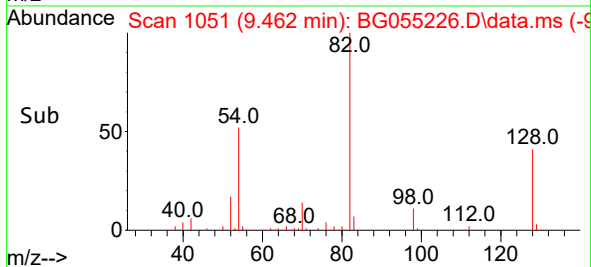
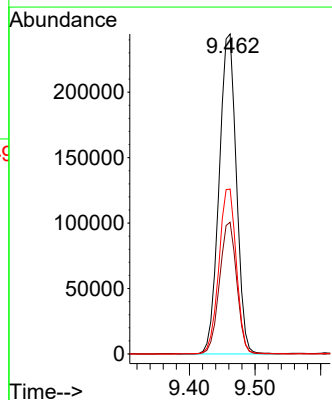
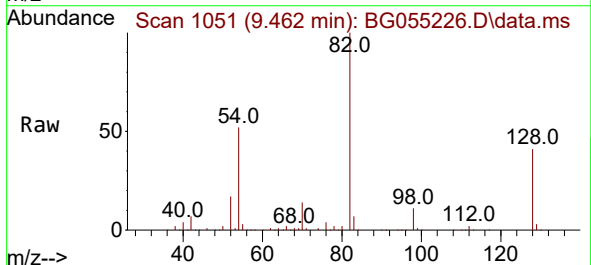
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

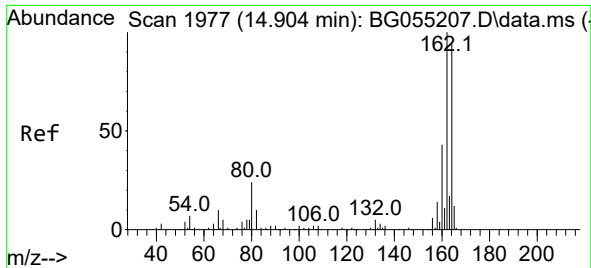
Tgt Ion:136 Resp: 270469
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 9.8 8.2 12.4
68 7.9 6.4 9.6



#23
Nitrobenzene-d5
Concen: 79.391 ng
RT: 9.462 min Scan# 1051
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion: 82 Resp: 444777
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 51.5 42.6 63.8

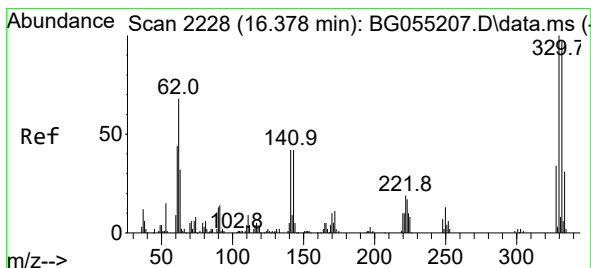
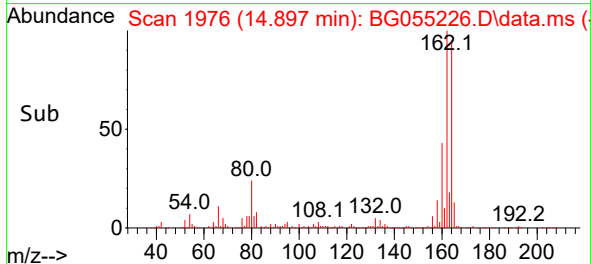
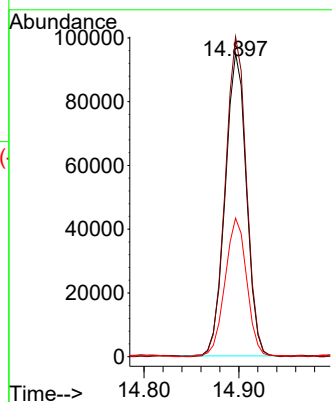
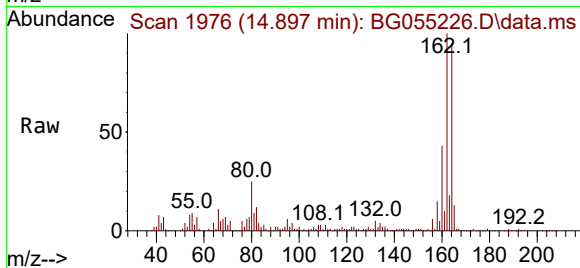




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.897 min Scan# 1976
 Delta R.T. -0.007 min
 Lab File: BG055226.D
 Acq: 20 Oct 2022 19:13

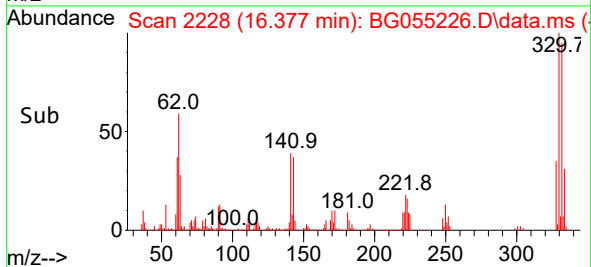
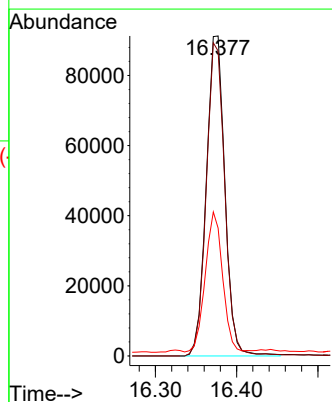
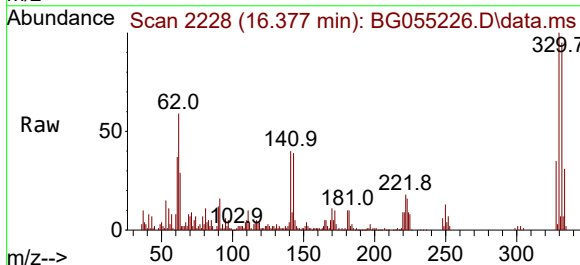
Instrument :
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 ClientSampleId :
 EO-02-101822

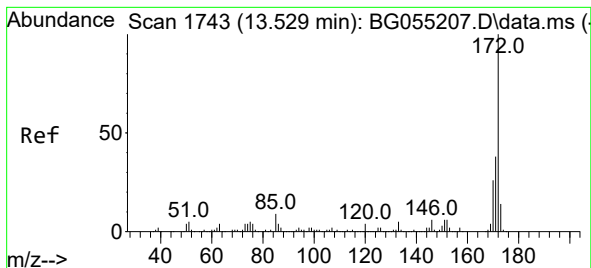
Tgt Ion:164 Resp: 147359
 Ion Ratio Lower Upper
 164 100
 162 105.4 85.2 127.8
 160 45.7 36.4 54.6



#42
 2,4,6-Tribromophenol
 Concen: 94.805 ng
 RT: 16.377 min Scan# 2228
 Delta R.T. -0.001 min
 Lab File: BG055226.D
 Acq: 20 Oct 2022 19:13

Tgt Ion:330 Resp: 144762
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.5 116.3
 141 41.0 33.5 50.3

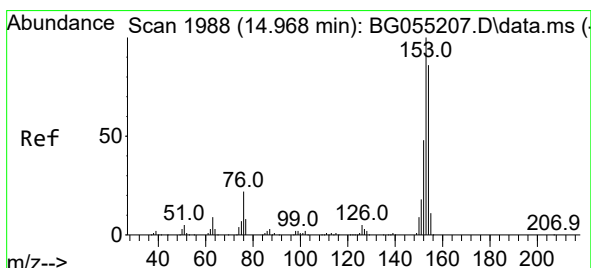
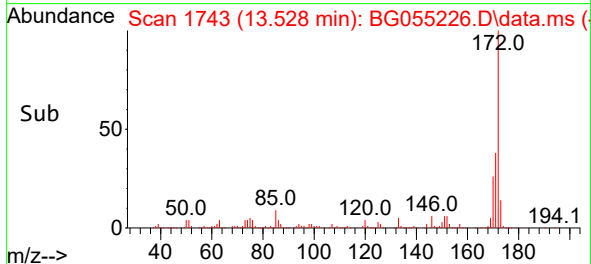
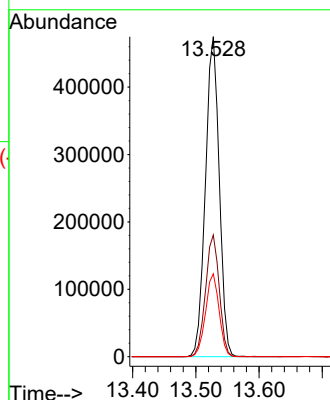
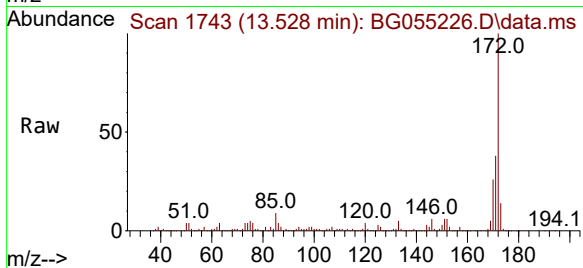




#45
2-Fluorobiphenyl
Concen: 78.070 ng
RT: 13.528 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

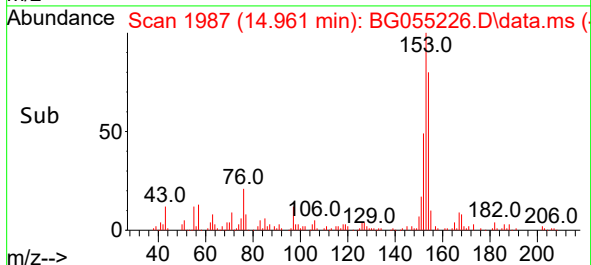
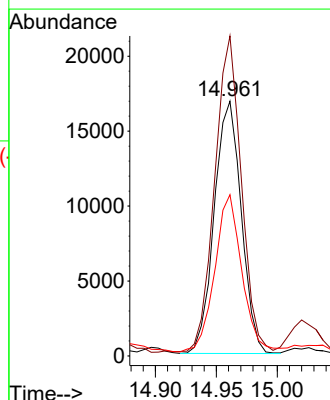
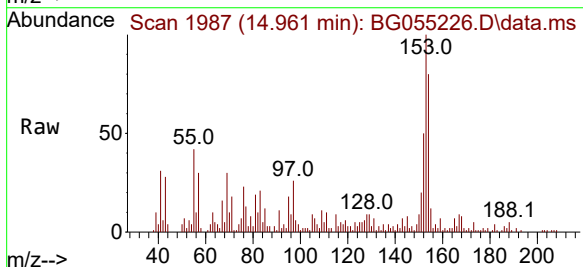
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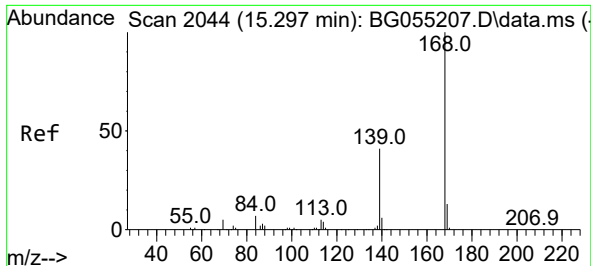
Tgt Ion:172 Resp: 720237
Ion Ratio Lower Upper
172 100
171 38.1 30.3 45.5
170 25.9 20.6 30.8



#52
Acenaphthene
Concen: 2.968 ng
RT: 14.961 min Scan# 1987
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:154 Resp: 25967
Ion Ratio Lower Upper
154 100
153 125.7 93.3 139.9
152 63.4 45.1 67.7

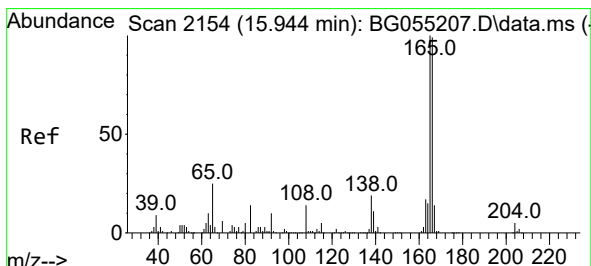
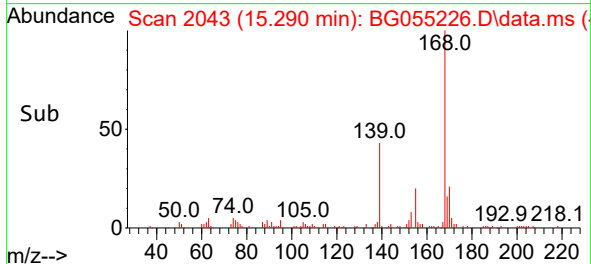
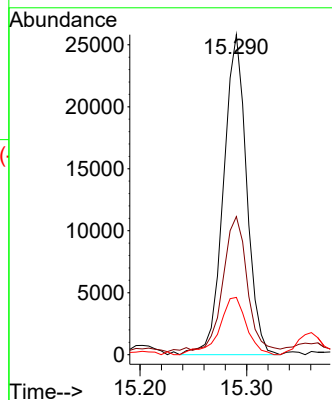
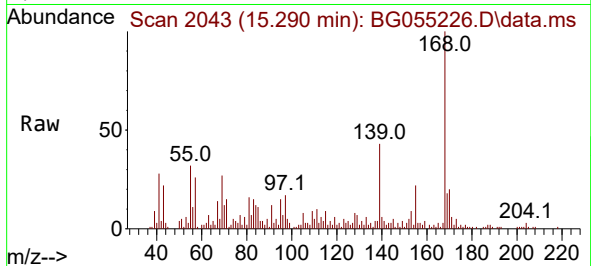




#55
Dibenzenofuran
Concen: 3.084 ng
RT: 15.290 min Scan# 2043
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

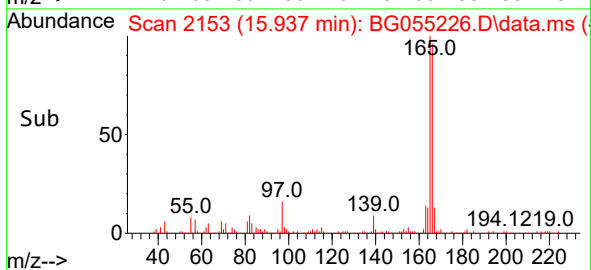
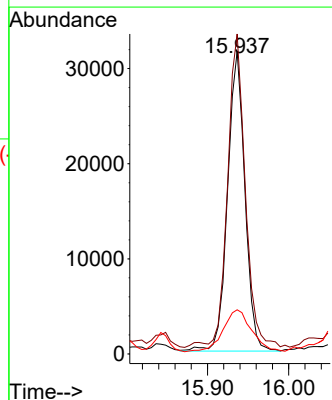
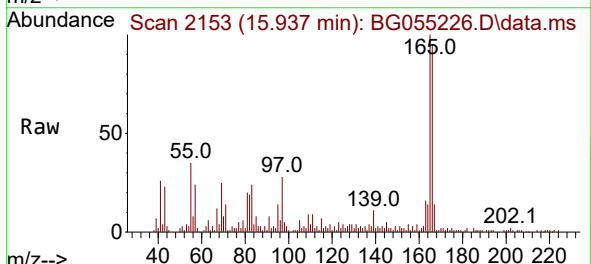
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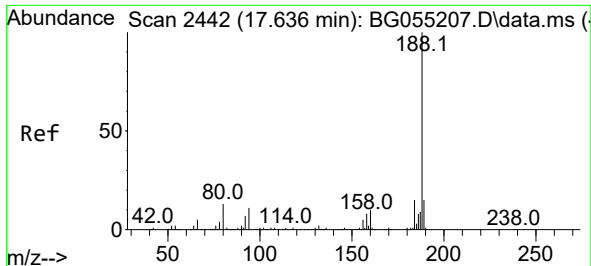
Tgt Ion:168 Resp: 38864
Ion Ratio Lower Upper
168 100
139 43.1 32.6 48.8
169 17.9 10.7 16.1#



#58
Fluorene
Concen: 4.400 ng
RT: 15.937 min Scan# 2153
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:166 Resp: 46703
Ion Ratio Lower Upper
166 100
165 105.8 81.0 121.6
167 14.6 11.0 16.4

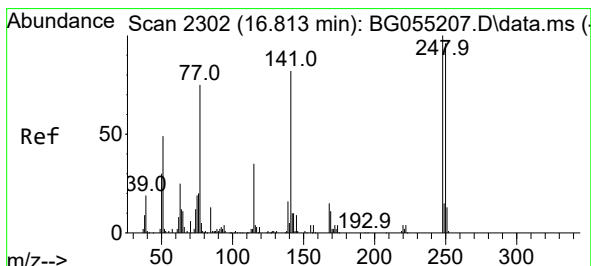
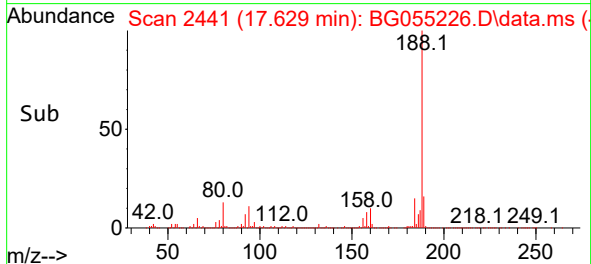
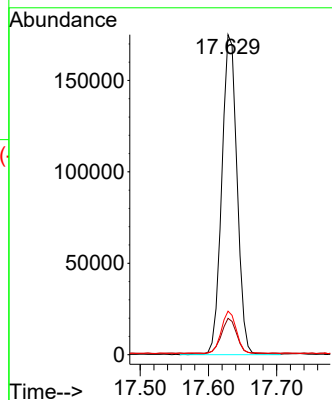
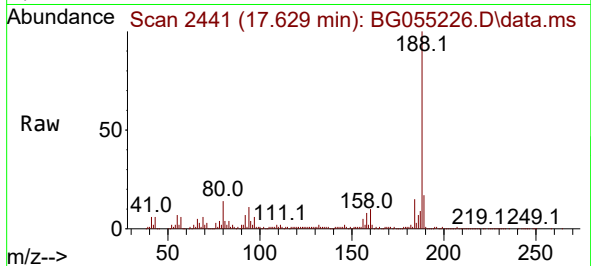




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.629 min Scan# 2442
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

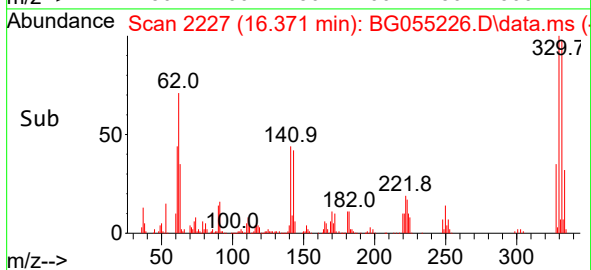
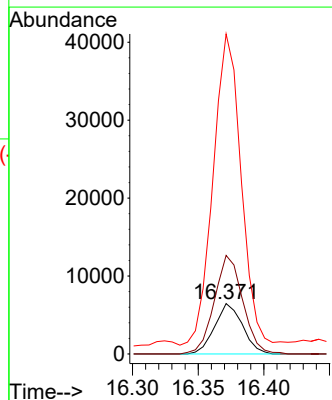
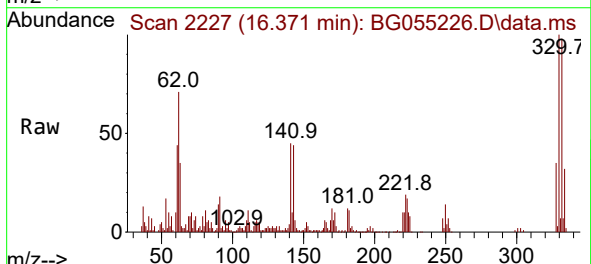
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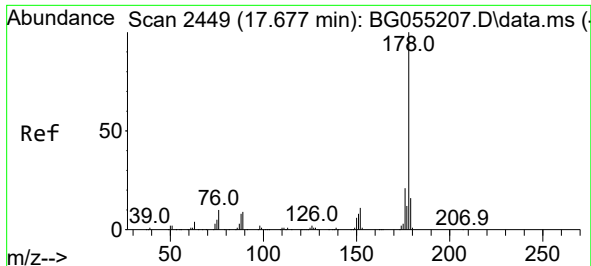
Tgt Ion:188 Resp: 272536
Ion Ratio Lower Upper
188 100
94 11.4 8.6 12.8
80 13.6 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.586 ng
RT: 16.371 min Scan# 2227
Delta R.T. -0.442 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:248 Resp: 9527
Ion Ratio Lower Upper
248 100
250 195.4 76.7 115.1#
141 633.8 65.3 97.9#

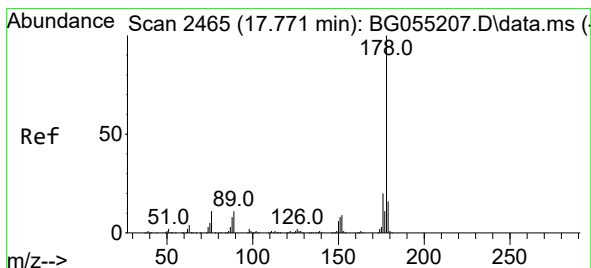
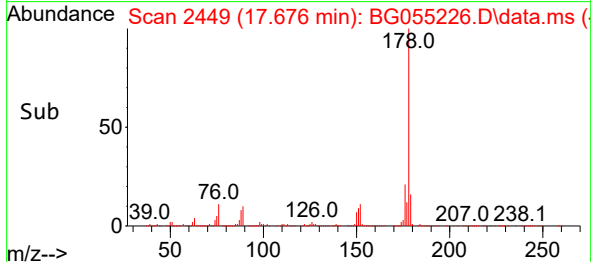
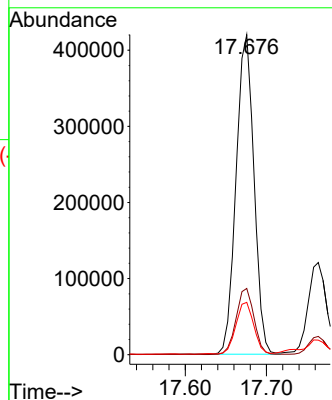
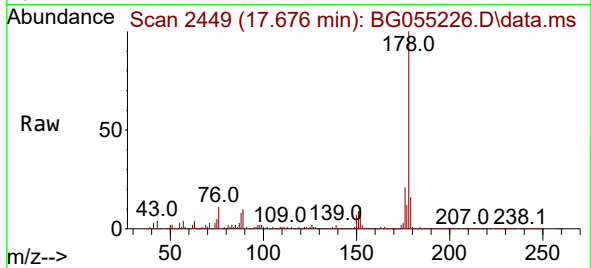




#71
Phenanthrene
Concen: 44.042 ng
RT: 17.676 min Scan# 2449
Delta R.T. -0.001 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

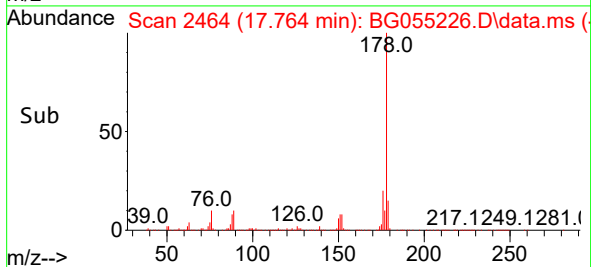
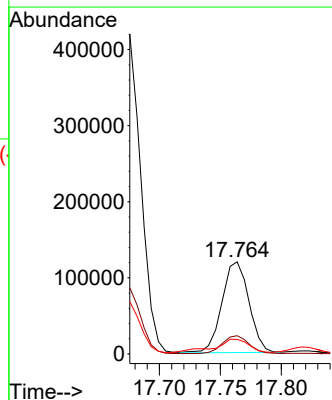
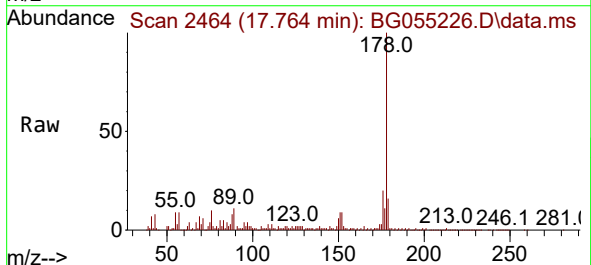
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

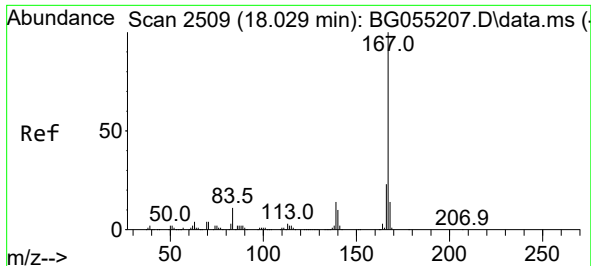
Tgt Ion:178 Resp: 640503
Ion Ratio Lower Upper
178 100
176 20.7 16.4 24.6
179 16.4 12.8 19.2



#72
Anthracene
Concen: 12.933 ng
RT: 17.764 min Scan# 2464
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:178 Resp: 183792
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.9 13.0 19.4

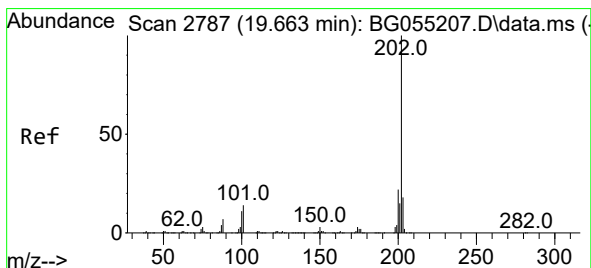
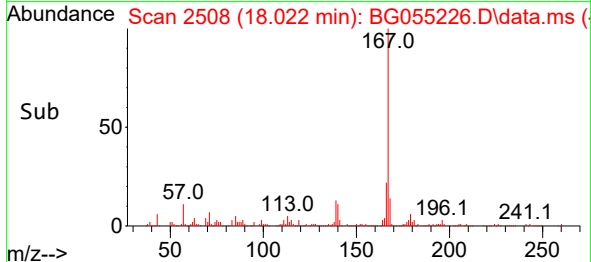
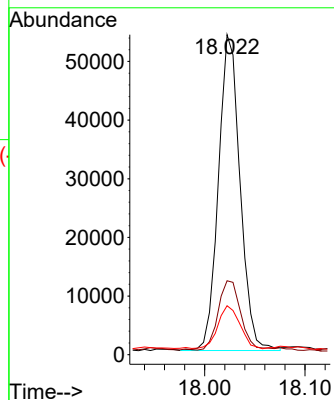
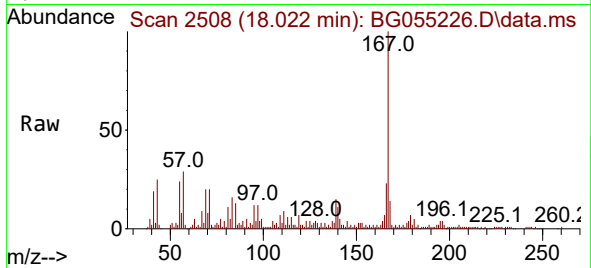




#73
Carbazole
Concen: 6.163 ng
RT: 18.022 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

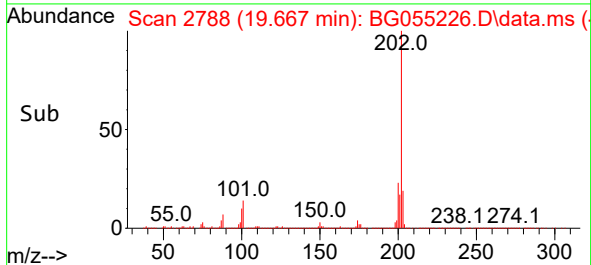
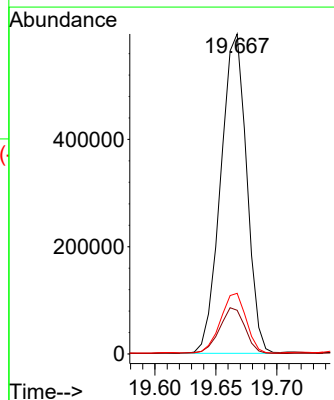
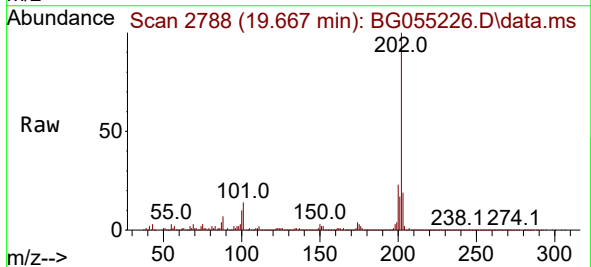
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

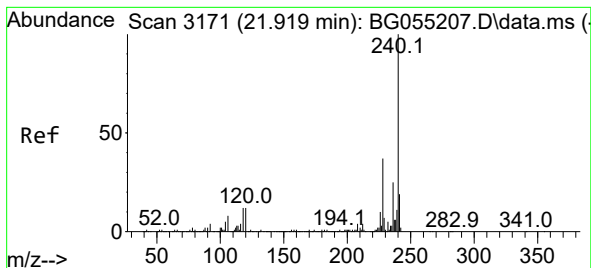
Tgt Ion:167 Resp: 80655
Ion Ratio Lower Upper
167 100
166 23.1 18.5 27.7
139 15.3 11.3 16.9



#75
Fluoranthene
Concen: 54.729 ng
RT: 19.667 min Scan# 2788
Delta R.T. 0.005 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:202 Resp: 881647
Ion Ratio Lower Upper
202 100
101 13.6 0.0 34.2
203 18.9 0.0 38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.918 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

Instrument :

BNA_G

ClientSampleId :

EO-02-101822

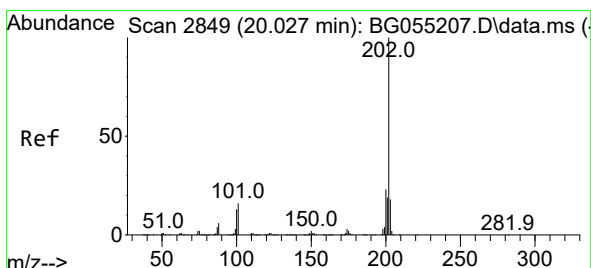
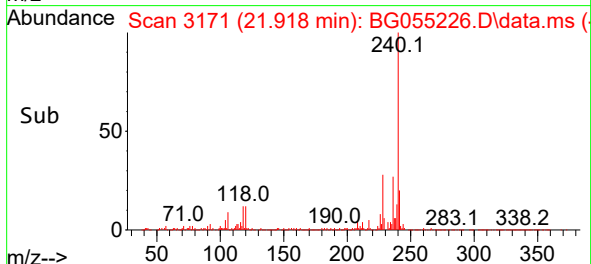
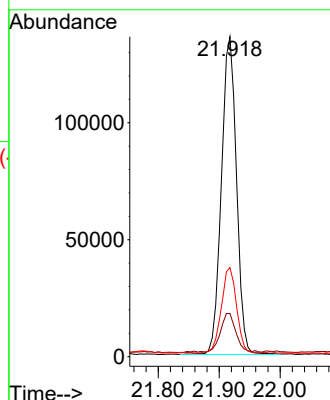
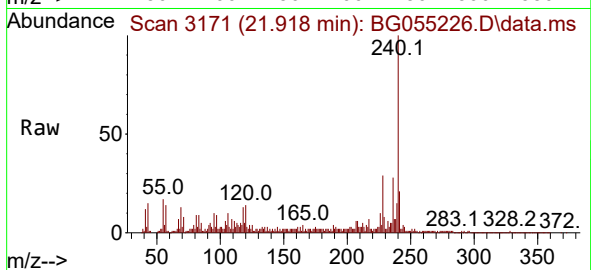
Tgt Ion:240 Resp: 233465

Ion Ratio Lower Upper

240 100

120 13.5 9.2 13.8

236 27.9 20.4 30.6



#78

Pyrene

Concen: 42.131 ng

RT: 20.026 min Scan# 2849

Delta R.T. -0.001 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

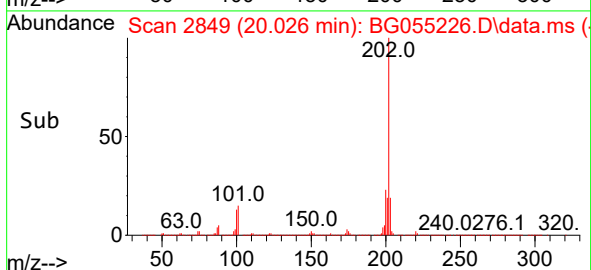
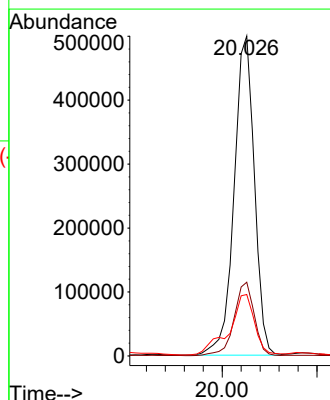
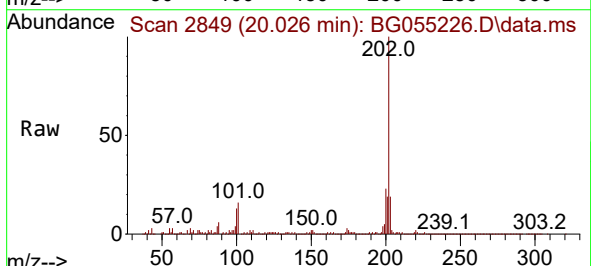
Tgt Ion:202 Resp: 741155

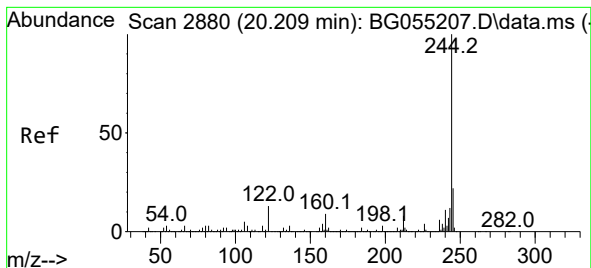
Ion Ratio Lower Upper

202 100

200 23.1 18.2 27.2

203 19.2 14.6 22.0





#79

Terphenyl-d14

Concen: 65.302 ng

RT: 20.208 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

Instrument :

BNA_G

ClientSampleId :

EO-02-101822

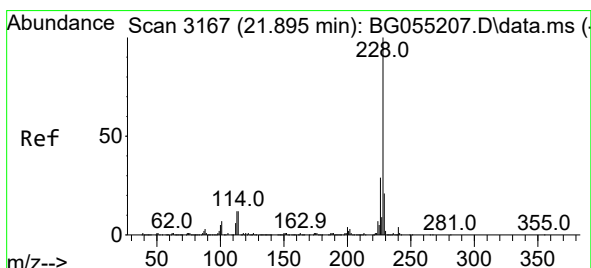
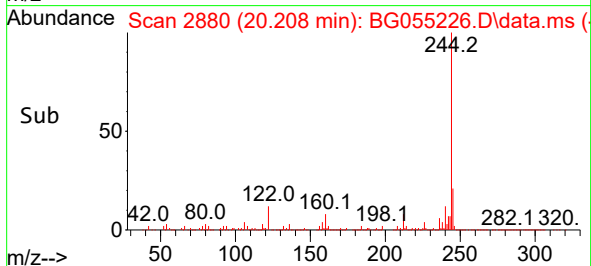
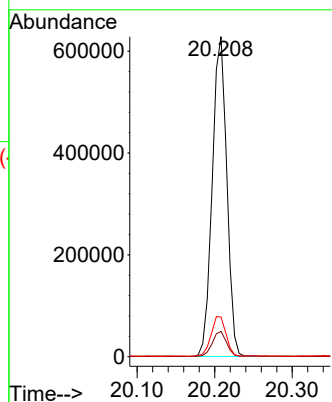
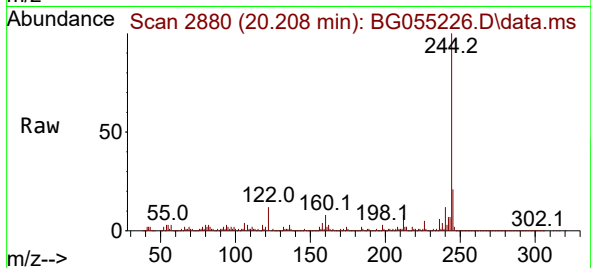
Tgt Ion:244 Resp: 818208

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 12.4 10.0 15.0



#81

Benzo(a)anthracene

Concen: 24.816 ng

RT: 21.894 min Scan# 3167

Delta R.T. -0.001 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

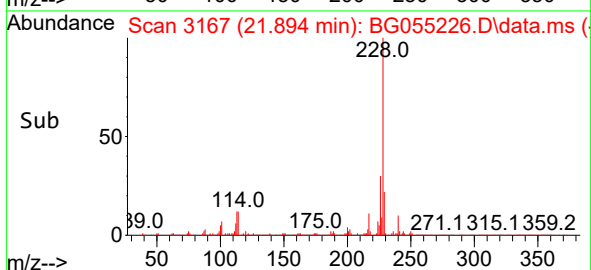
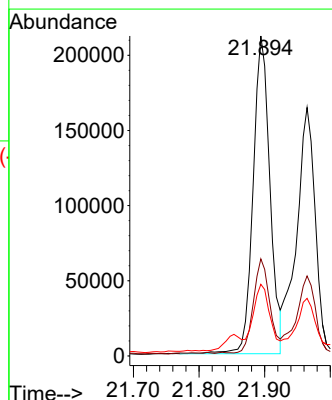
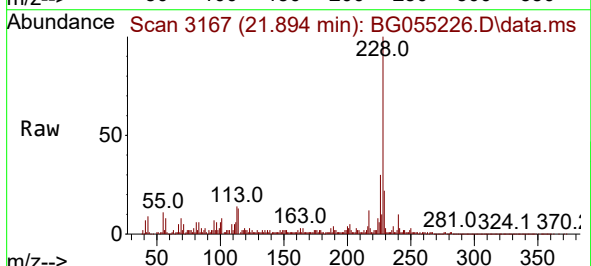
Tgt Ion:228 Resp: 375799

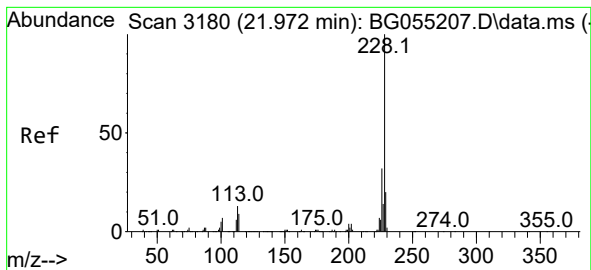
Ion Ratio Lower Upper

228 100

226 30.3 23.1 34.7

229 22.4 16.5 24.7





#83

Chrysene

Concen: 22.982 ng

RT: 21.965 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

Instrument :

BNA_G

ClientSampleId :

EO-02-101822

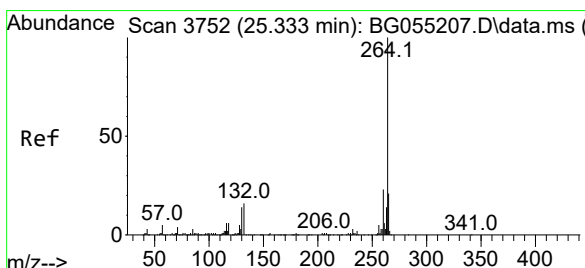
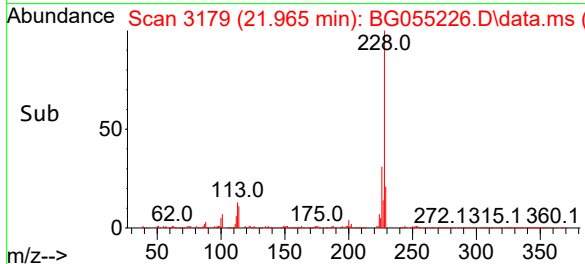
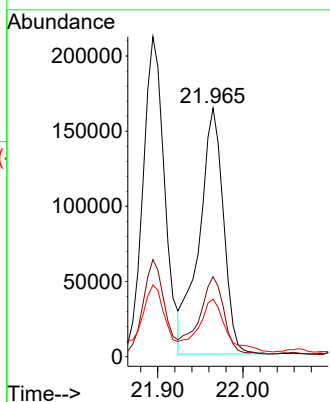
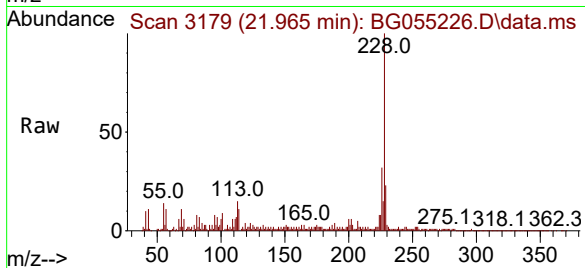
Tgt Ion:228 Resp: 324104

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.2

229 23.2 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.343 min Scan# 3754

Delta R.T. 0.011 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

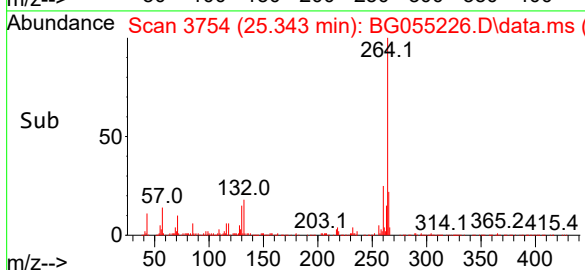
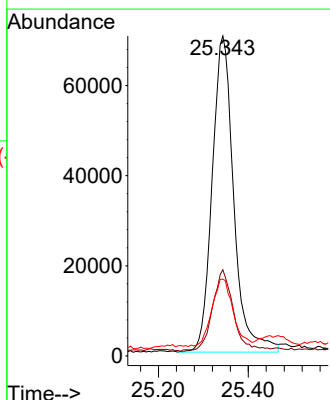
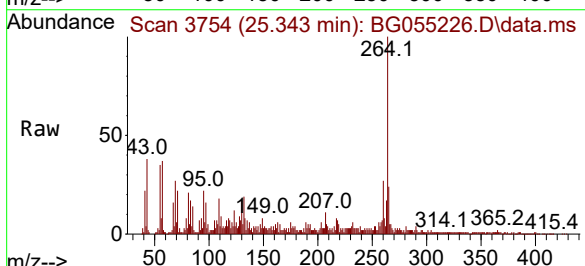
Tgt Ion:264 Resp: 234055

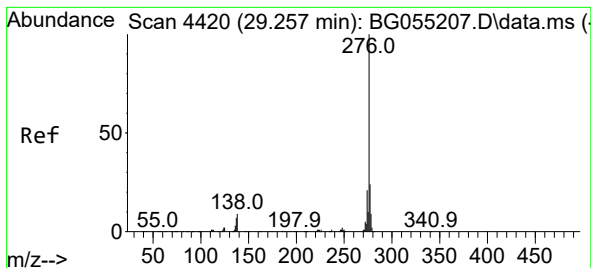
Ion Ratio Lower Upper

264 100

260 26.9 18.6 27.8

265 24.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.848 ng

RT: 29.280 min Scan# 4420

Delta R.T. 0.022 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

Instrument :

BNA_G

ClientSampleId :

EO-02-101822

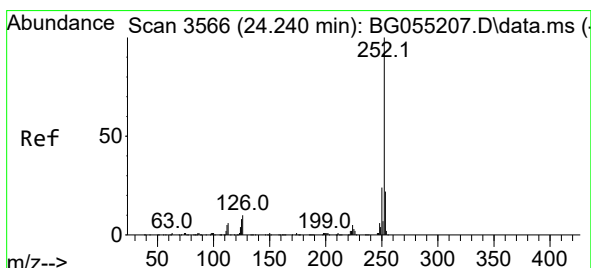
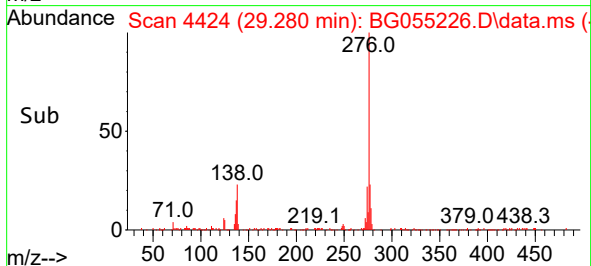
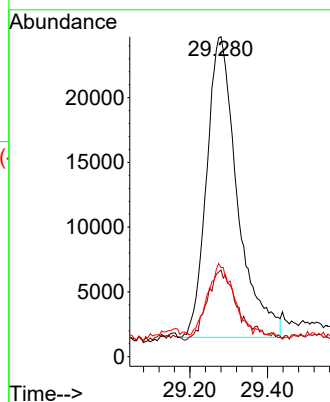
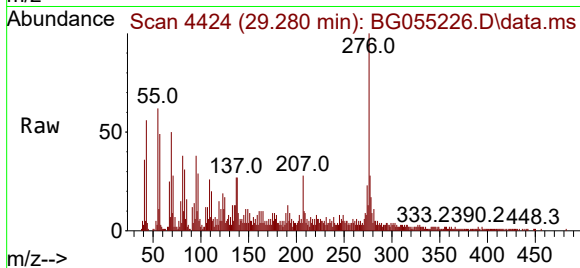
Tgt Ion:276 Resp: 127763

Ion Ratio Lower Upper

276 100

138 21.6 9.5 14.3#

277 19.8 20.5 30.7#



#88

Benzo(b)fluoranthene

Concen: 26.577 ng

RT: 24.250 min Scan# 3568

Delta R.T. 0.011 min

Lab File: BG055226.D

Acq: 20 Oct 2022 19:13

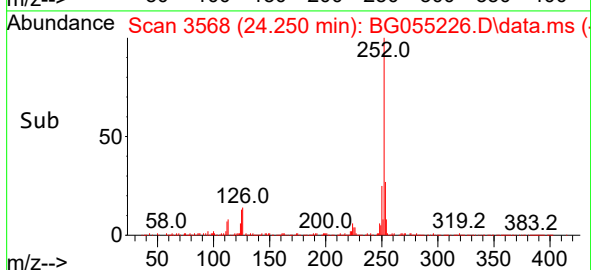
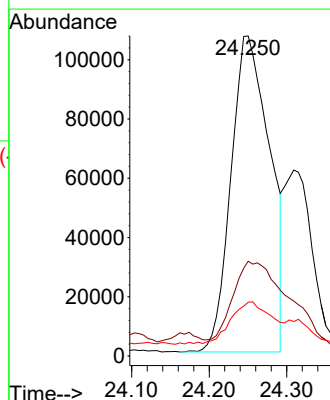
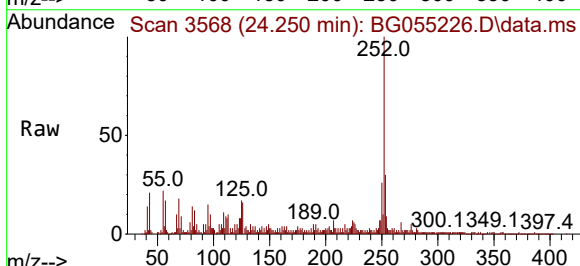
Tgt Ion:252 Resp: 369397

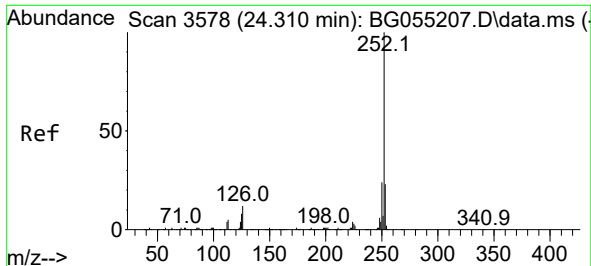
Ion Ratio Lower Upper

252 100

253 29.6 17.8 26.6#

125 16.8 6.2 9.2#

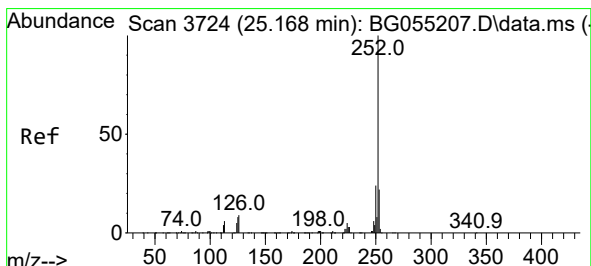
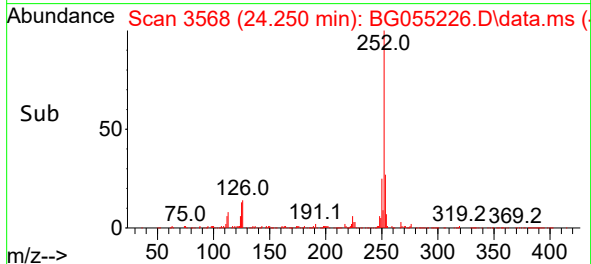
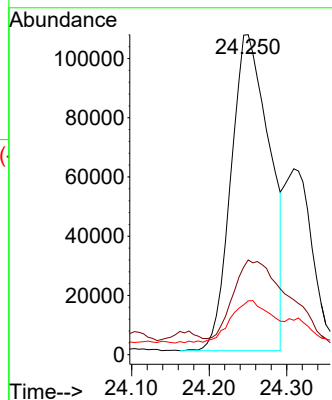
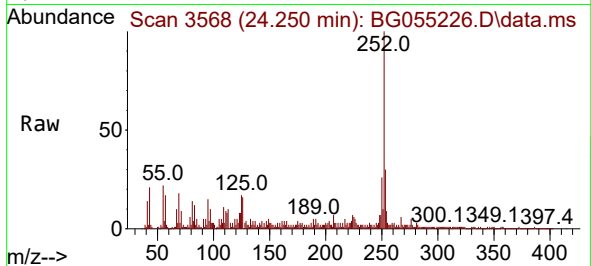




#89
Benzo(k)fluoranthene
Concen: 26.242 ng
RT: 24.250 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

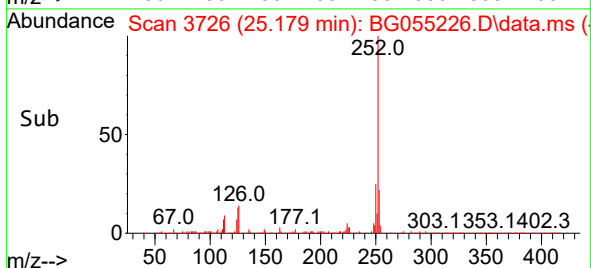
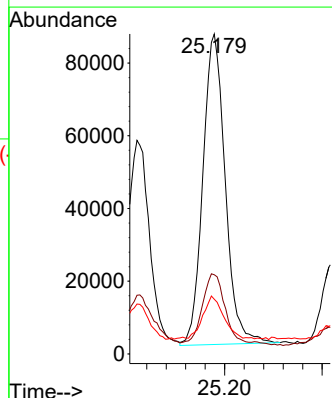
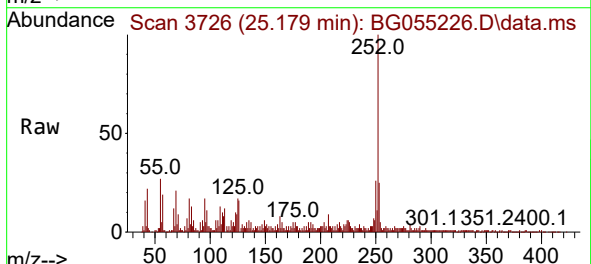
Instrument :
BNA_G
ClientSampleId :
EO-02-101822

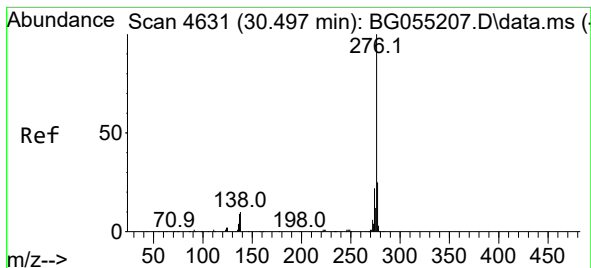
Tgt Ion:252 Resp: 369397
Ion Ratio Lower Upper
252 100
253 29.6 18.0 27.0#
125 16.8 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 22.773 ng
RT: 25.179 min Scan# 3726
Delta R.T. 0.011 min
Lab File: BG055226.D
Acq: 20 Oct 2022 19:13

Tgt Ion:252 Resp: 271674
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 17.1 6.2 9.2#





#92

Benzo(g,h,i)perylene

Concen: 8.661 ng

RT: 30.519 min Scan# 4

Delta R.T. 0.022 min

Lab File: BG055226.D

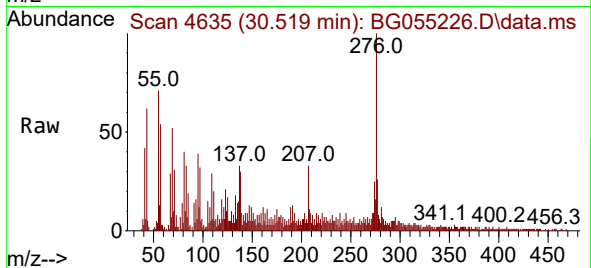
Acq: 20 Oct 2022 19:13

Instrument :

BNA_G

ClientSampleId :

EO-02-101822



Tgt Ion:276 Resp: 111898

Ion Ratio Lower Upper

276 100

277 25.6 19.7 29.5

138 29.7 8.0 12.0#

