

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055906.D
 Acq On : 6 Dec 2022 16:41
 Operator : CG/JU
 Sample : N5884-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522

Quant Time: Dec 07 05:10:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

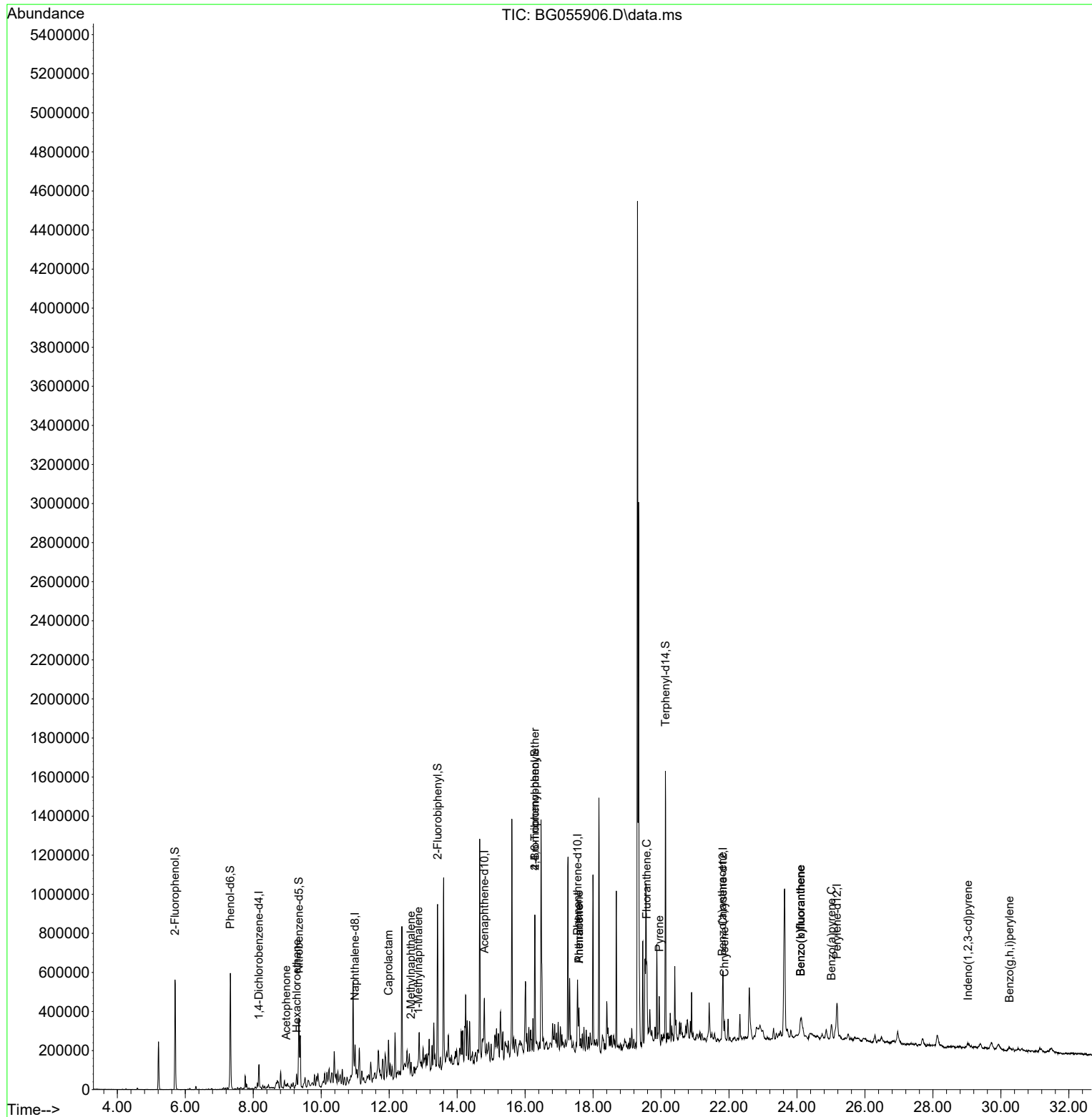
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	34954	20.000	ng	0.00
21) Naphthalene-d8	10.991	136	143677	20.000	ng	0.00
39) Acenaphthene-d10	14.798	164	100377	20.000	ng	0.00
64) Phenanthrene-d10	17.542	188	214677	20.000	ng	0.00
76) Chrysene-d12	21.819	240	208726	20.000	ng	0.00
86) Perylene-d12	25.174	264	224303	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	237779	122.959	ng	0.00
7) Phenol-d6	7.325	99	316556	122.972	ng	0.00
23) Nitrobenzene-d5	9.340	82	202586	74.526	ng	0.00
42) 2,4,6-Tribromophenol	16.285	330	145150	102.693	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	450568	67.247	ng	0.00
79) Terphenyl-d14	20.127	244	672605	64.453	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.281	117	5682	6.286	ng	# 1
22) Acetophenone	8.970	105	13107	3.511	ng	# 54
35) Caprolactam	11.978	113	5891	7.130	ng	# 1
37) 2-Methylnaphthalene	12.636	142	24575	4.226	ng	96
38) 1-Methylnaphthalene	12.859	142	18068	3.200	ng	# 98
67) 4-Bromophenyl-phenylether	16.285	248	9589	3.920	ng	# 1
71) Phenanthrene	17.583	178	100593	8.683	ng	98
72) Anthracene	17.583	178	100593	8.937	ng	99
75) Fluoranthene	19.581	202	157558	11.179	ng	98
78) Pyrene	19.945	202	152977	10.828	ng	99
81) Benzo(a)anthracene	21.802	228	91377	6.356	ng	98
83) Chrysene	21.866	228	81738	5.972	ng	99
87) Indeno(1,2,3-cd)pyrene	29.035	276	43205	2.351	ng	# 97
88) Benzo(b)fluoranthene	24.105	252	111390	7.625	ng	# 84
89) Benzo(k)fluoranthene	24.105	252	111390	7.650	ng	# 84
90) Benzo(a)pyrene	25.010	252	83419	6.655	ng	# 92
92) Benzo(g,h,i)perylene	30.251	276	40719	2.691	ng	# 93

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

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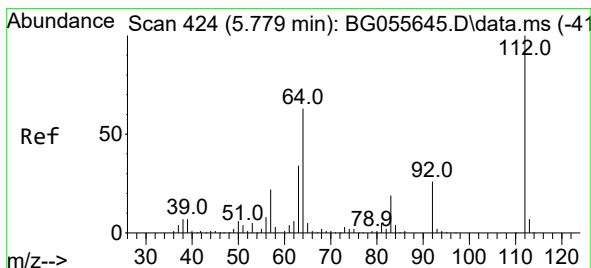
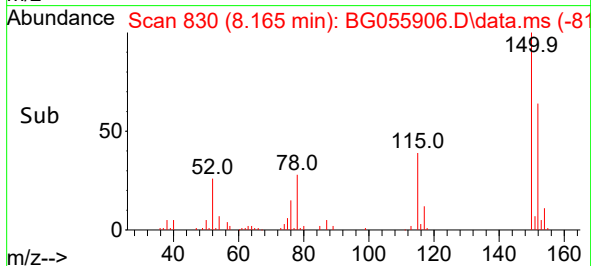
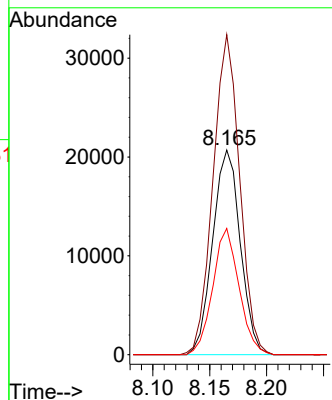
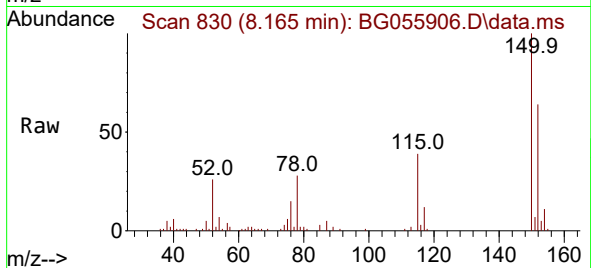




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

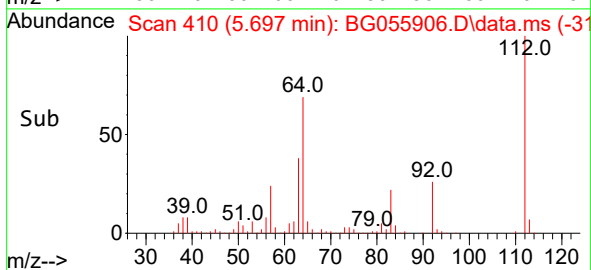
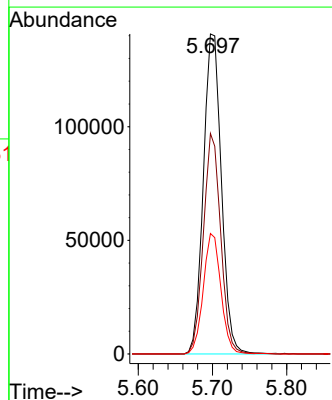
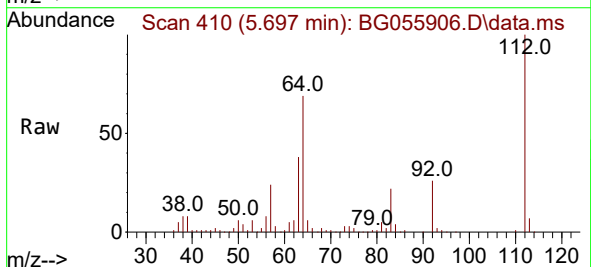
Instrument :
BNA_G
ClientSampleId :
EO-3-120522

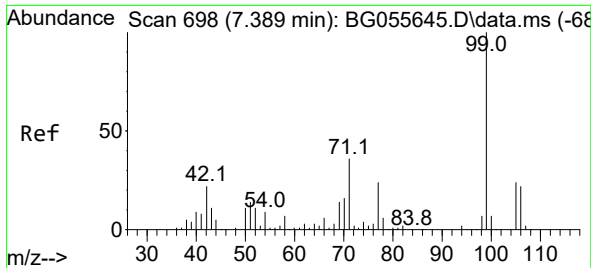
Tgt Ion:152 Resp: 34954
Ion Ratio Lower Upper
152 100
150 156.4 123.0 184.6
115 61.7 47.0 70.4



#5
2-Fluorophenol
Concen: 122.959 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:112 Resp: 237779
Ion Ratio Lower Upper
112 100
64 68.9 50.6 76.0
63 37.6 27.5 41.3

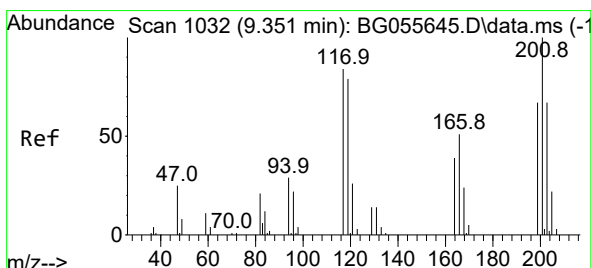
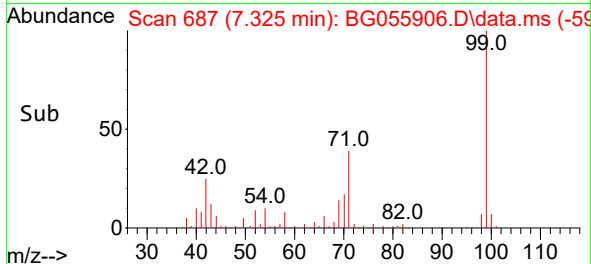
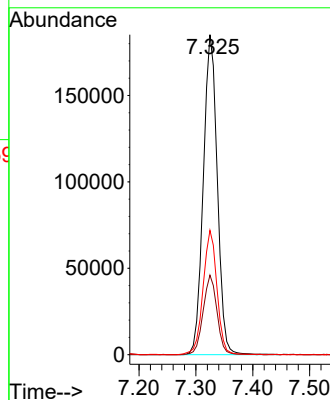
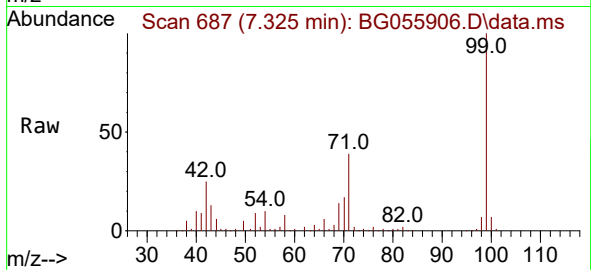




#7
Phenol-d6
Concen: 122.972 ng
RT: 7.325 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

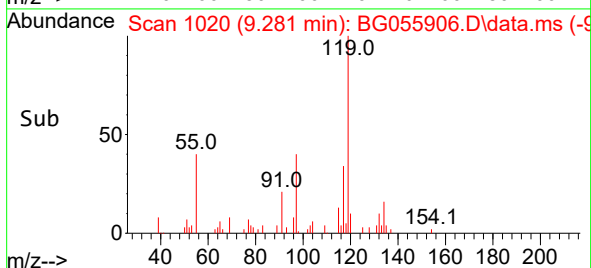
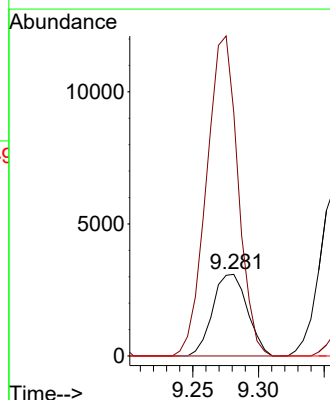
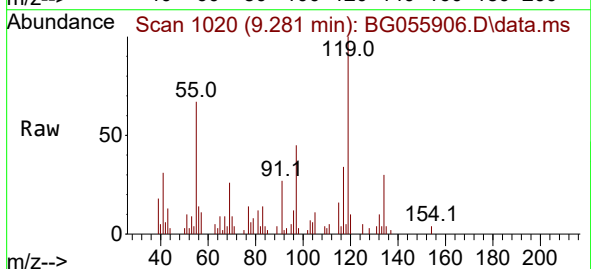
Instrument :
BNA_G
ClientSampleId :
EO-3-120522

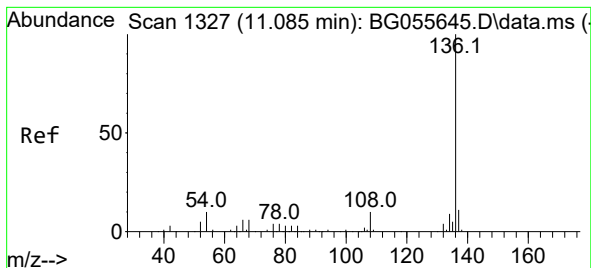
Tgt Ion: 99 Resp: 316556
Ion Ratio Lower Upper
99 100
42 24.9 18.0 27.0
71 38.9 29.0 43.6



#18
Hexachloroethane
Concen: 6.286 ng
RT: 9.281 min Scan# 1020
Delta R.T. 0.026 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion: 117 Resp: 5682
Ion Ratio Lower Upper
117 100
119 297.7 76.0 114.0#
201 0.0 98.6 148.0#

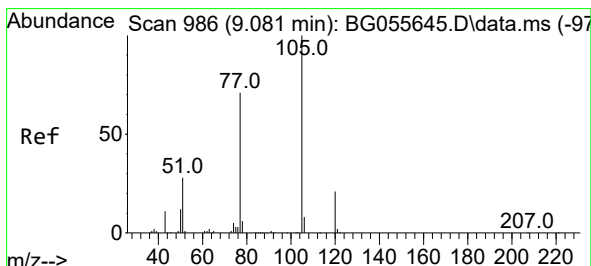
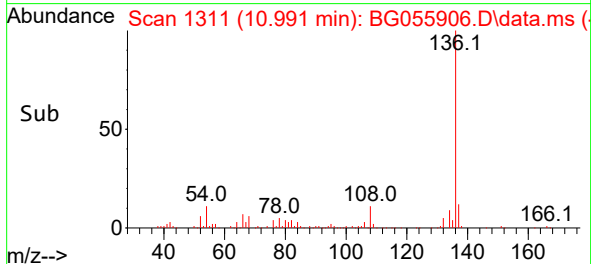
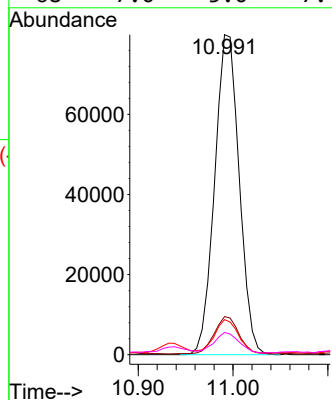
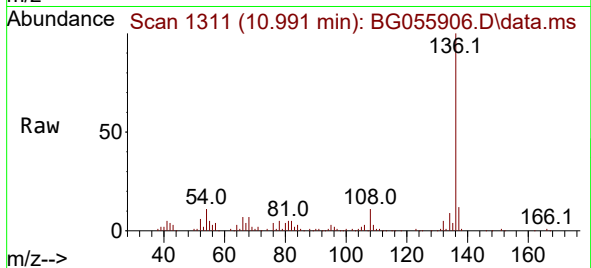




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.991 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

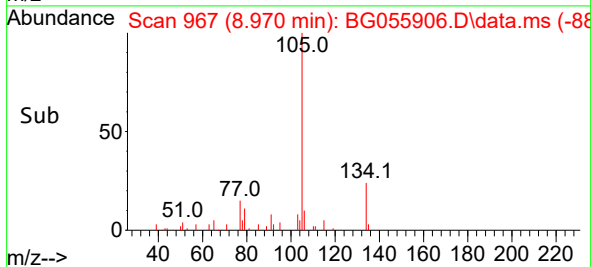
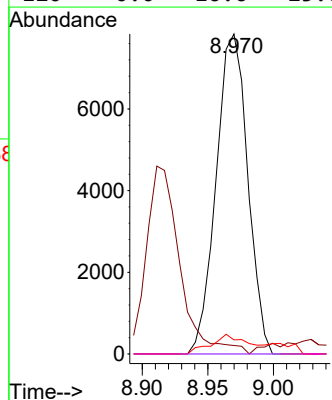
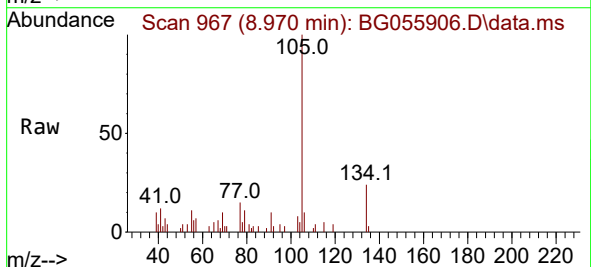
Instrument :
BNA_G
ClientSampleId :
EO-3-120522

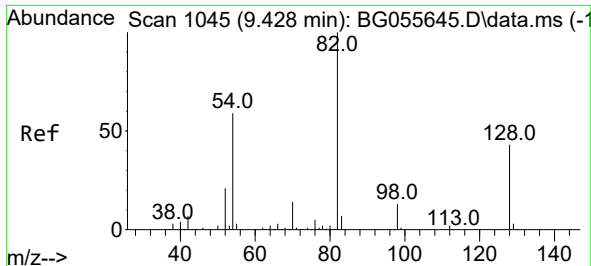
Tgt Ion:136 Resp: 143677
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.6
54 10.9 7.8 11.6
68 7.0 5.0 7.4



#22
Acetophenone
Concen: 3.511 ng
RT: 8.970 min Scan# 967
Delta R.T. -0.027 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:105 Resp: 13107
Ion Ratio Lower Upper
105 100
71 2.6 0.6 1.0#
51 4.4 24.5 36.7#
120 0.0 16.6 25.0#

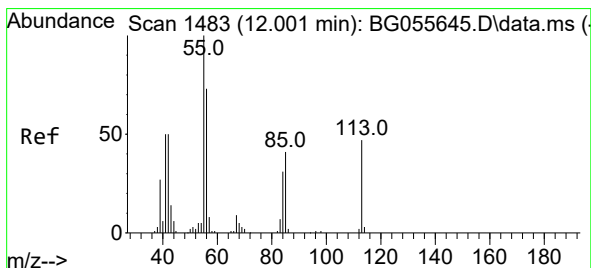
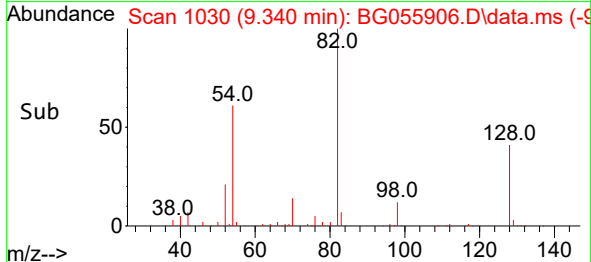
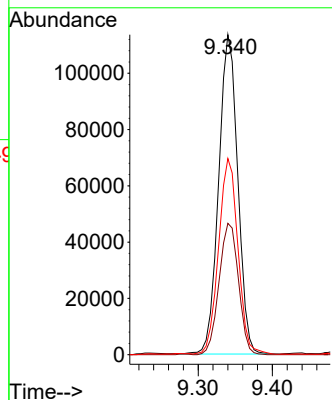
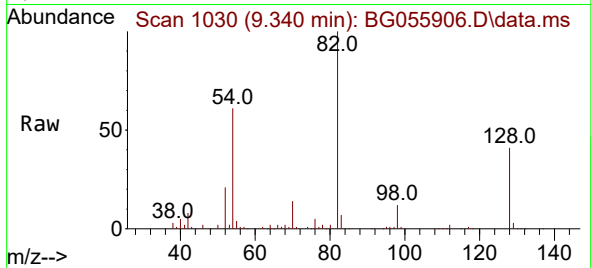




#23
Nitrobenzene-d5
Concen: 74.526 ng
RT: 9.340 min Scan# 1045
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

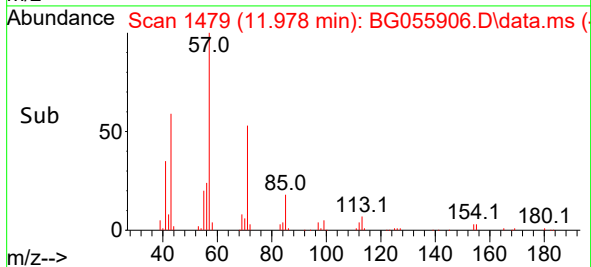
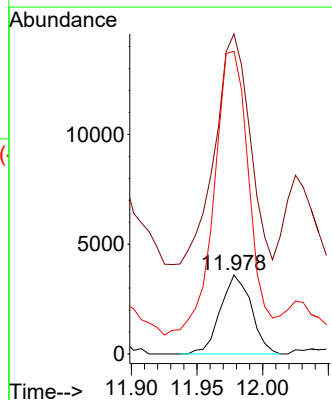
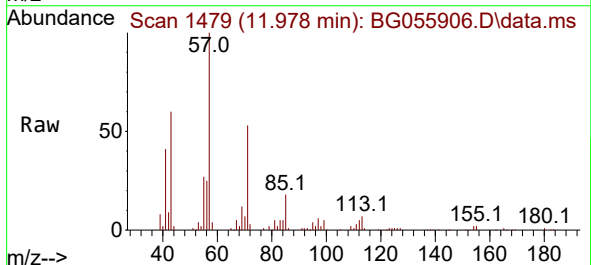
Instrument :
BNA_G
ClientSampleId :
EO-3-120522

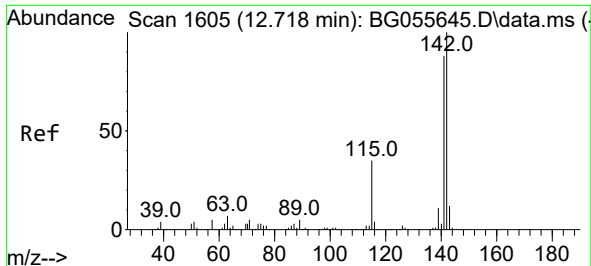
Tgt Ion: 82 Resp: 202586
Ion Ratio Lower Upper
82 100
128 41.1 34.1 51.1
54 61.3 47.3 70.9



#35
Caprolactam
Concen: 7.130 ng
RT: 11.978 min Scan# 1479
Delta R.T. 0.044 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion: 113 Resp: 5891
Ion Ratio Lower Upper
113 100
55 405.6 193.5 233.5#
56 383.8 135.2 175.2#





#37

2-Methylnaphthalene

Concen: 4.226 ng

RT: 12.636 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG055906.D

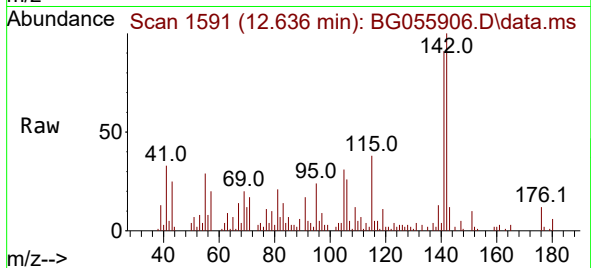
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Instrument :

BNA_G

ClientSampleId :

EO-3-120522



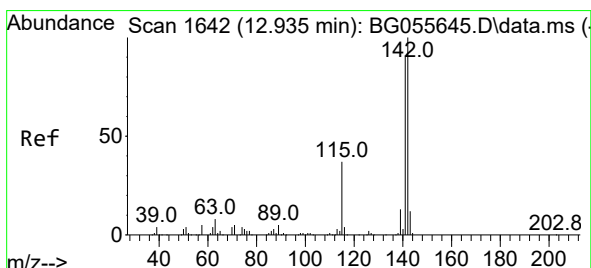
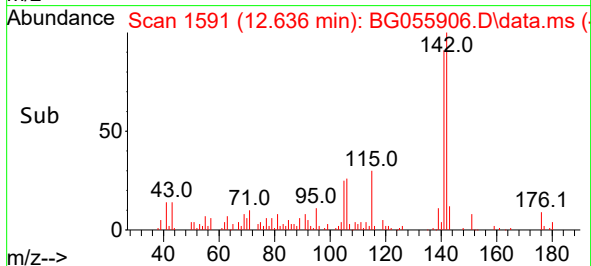
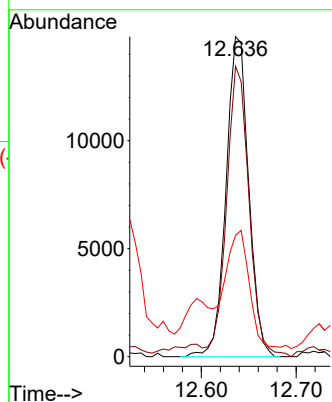
Tgt Ion:142 Resp: 24575

Ion Ratio Lower Upper

142 100

141 90.8 70.3 105.5

115 37.9 27.9 41.9



#38

1-Methylnaphthalene

Concen: 3.200 ng

RT: 12.859 min Scan# 1629

Delta R.T. 0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

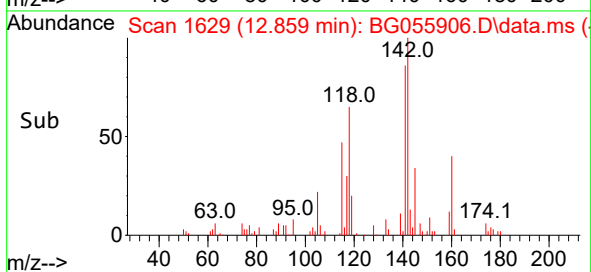
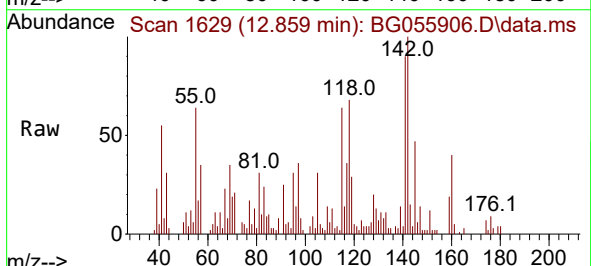
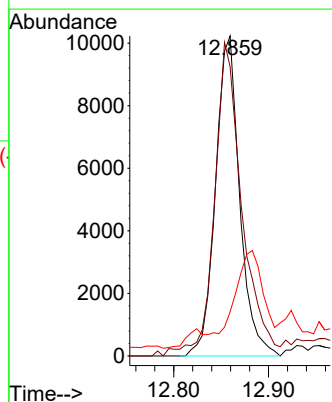
Tgt Ion:142 Resp: 18068

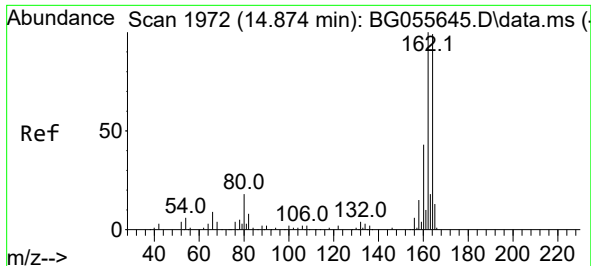
Ion Ratio Lower Upper

142 100

141 90.4 73.0 109.4

116 13.8 3.1 4.7#

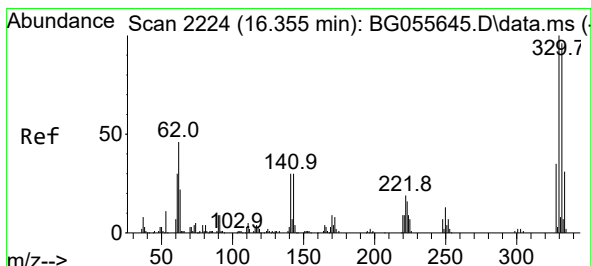
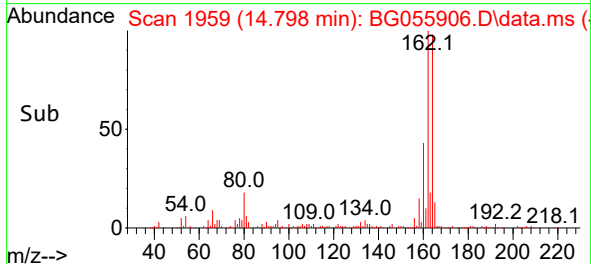
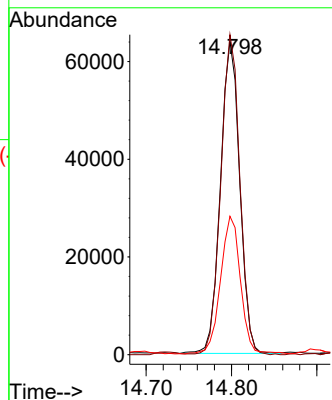
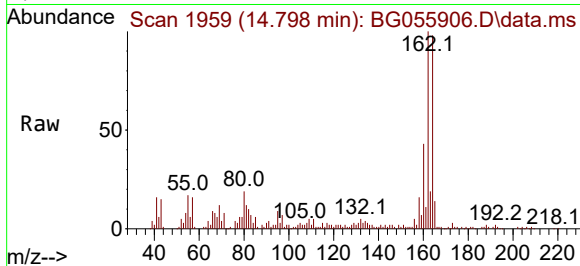




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.798 min Scan# 1972
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

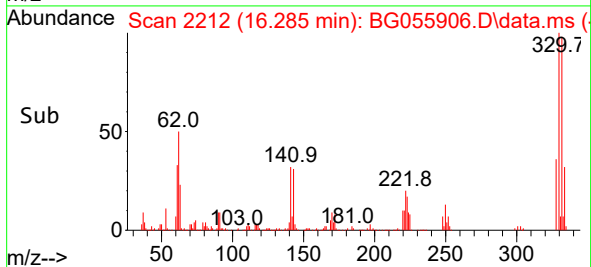
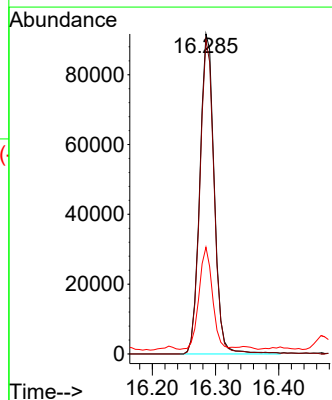
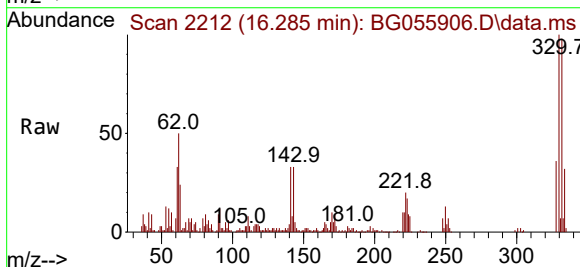
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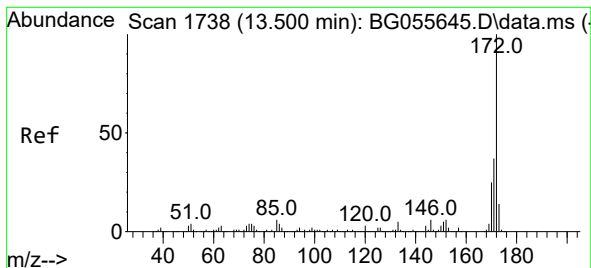
Tgt Ion:164 Resp: 100377
Ion Ratio Lower Upper
164 100
162 102.2 81.1 121.7
160 44.2 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 102.693 ng
RT: 16.285 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:330 Resp: 145150
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 67.247 ng

RT: 13.423 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

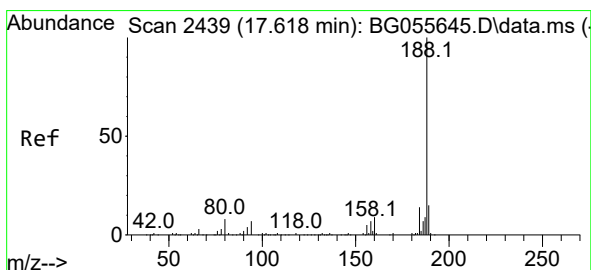
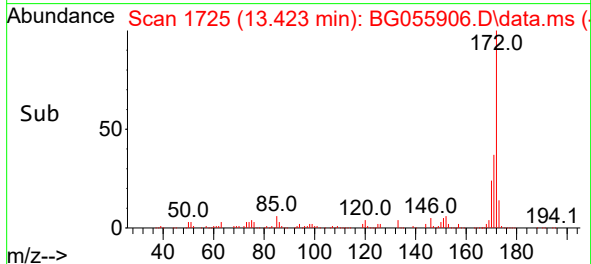
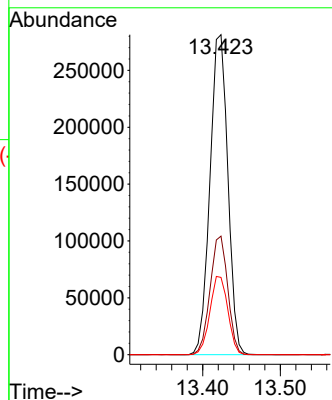
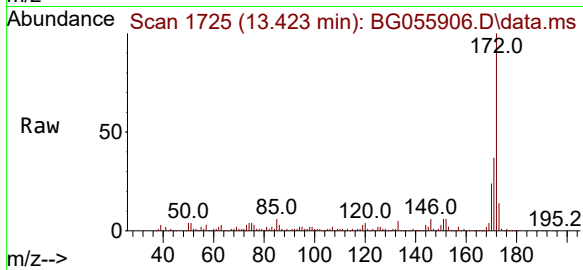
Tgt Ion:172 Resp: 450568

Ion Ratio Lower Upper

172 100

171 37.1 29.8 44.6

170 24.1 20.2 30.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.542 min Scan# 2426

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

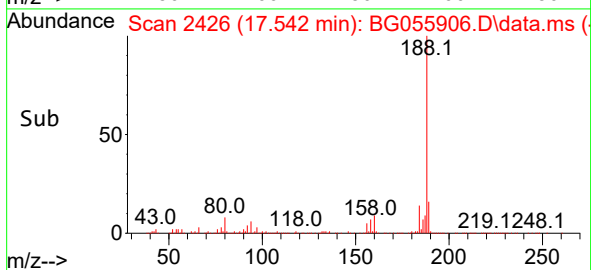
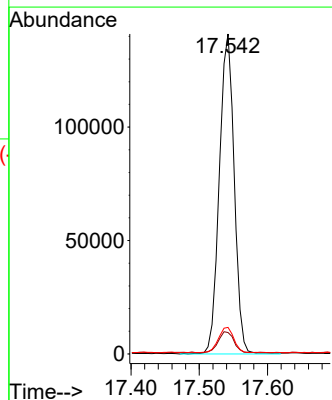
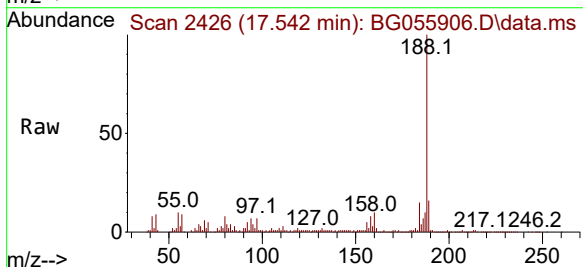
Tgt Ion:188 Resp: 214677

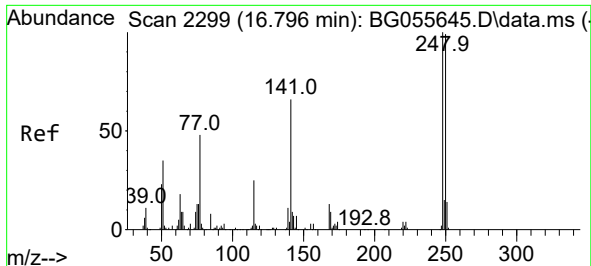
Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.2

80 8.3 6.6 10.0

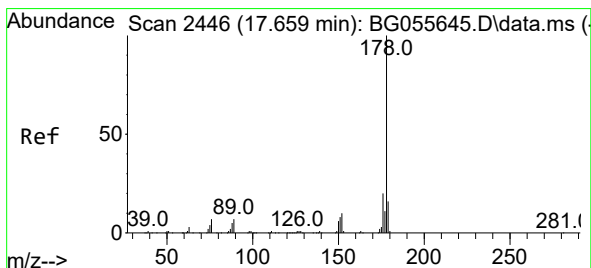
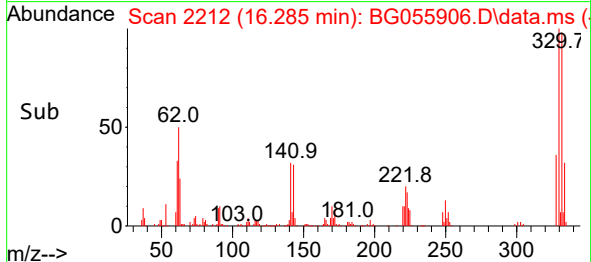
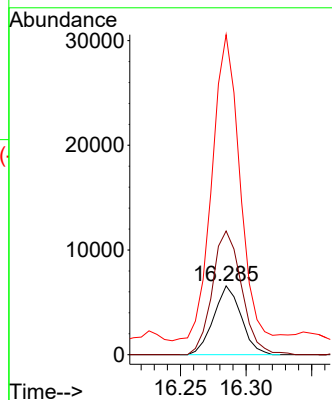
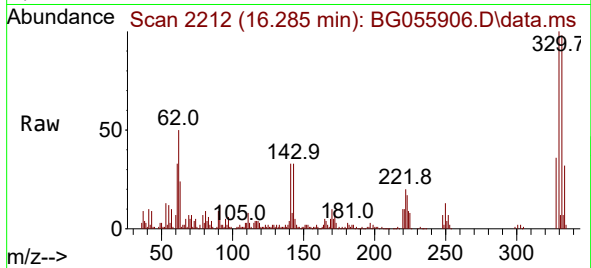




#67
4-Bromophenyl-phenylether
Concen: 3.920 ng
RT: 16.285 min Scan# 211
Delta R.T. -0.438 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

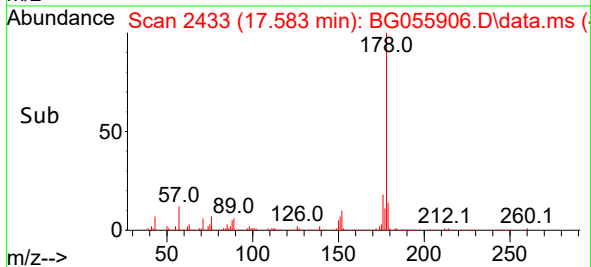
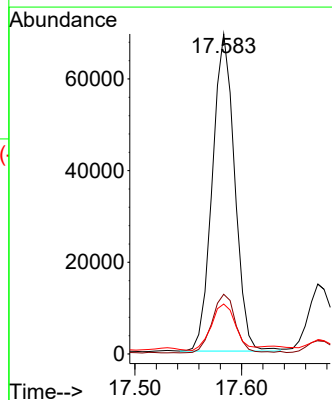
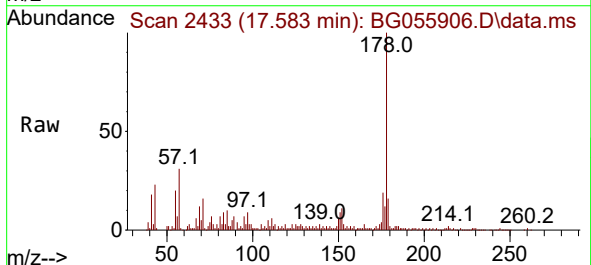
Instrument :
BNA_G
ClientSampleId :
EO-3-120522

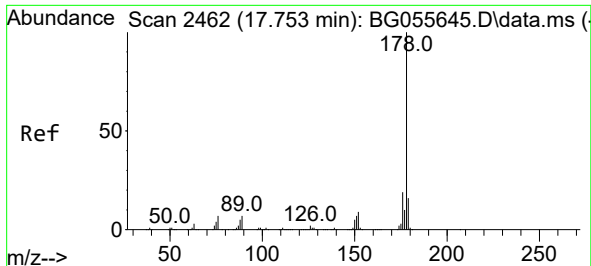
Tgt Ion:248 Resp: 9589
Ion Ratio Lower Upper
248 100
250 179.8 79.0 118.4#
141 464.8 52.9 79.3#



#71
Phenanthrene
Concen: 8.683 ng
RT: 17.583 min Scan# 2433
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:178 Resp: 100593
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.6 12.7 19.1

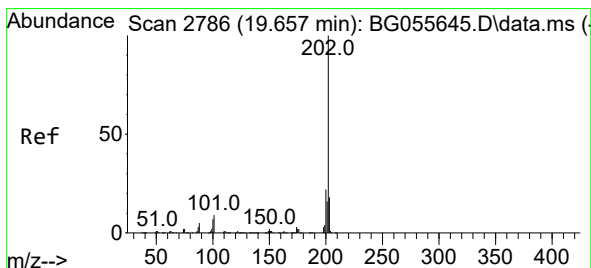
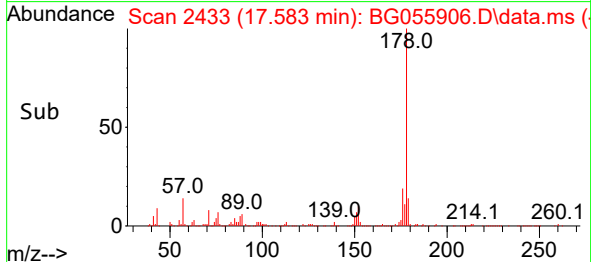
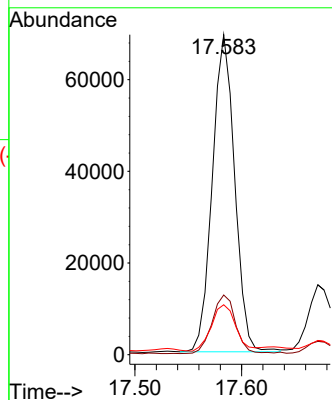
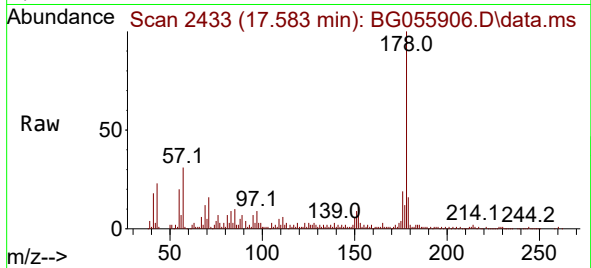




#72
 Anthracene
 Concen: 8.937 ng
 RT: 17.583 min Scan# 2462
 Delta R.T. -0.091 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41

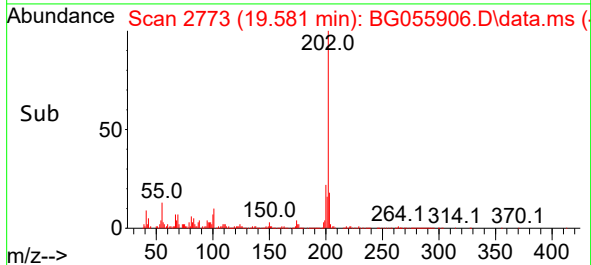
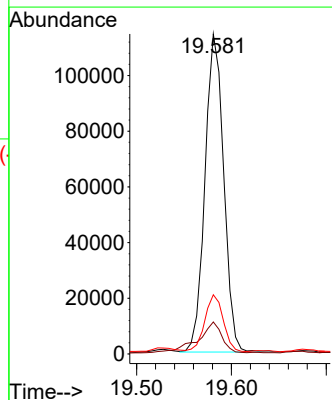
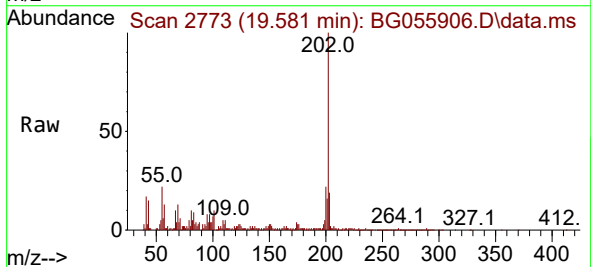
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522

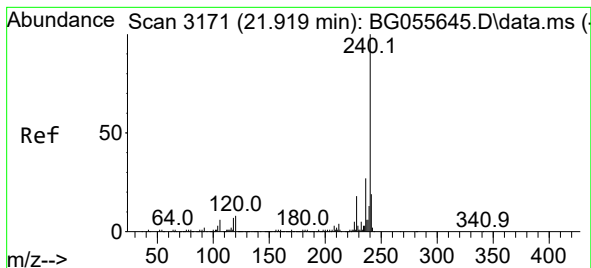
Tgt Ion:178 Resp: 100593
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.6 12.5 18.7



#75
 Fluoranthene
 Concen: 11.179 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. -0.003 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41

Tgt Ion:202 Resp: 157558
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 28.8
 203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.819 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

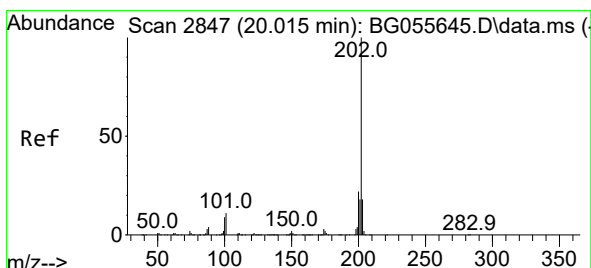
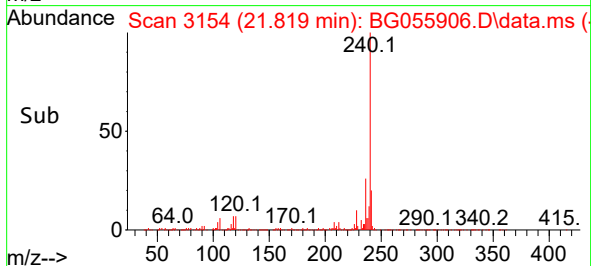
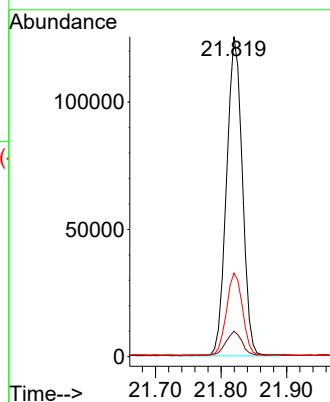
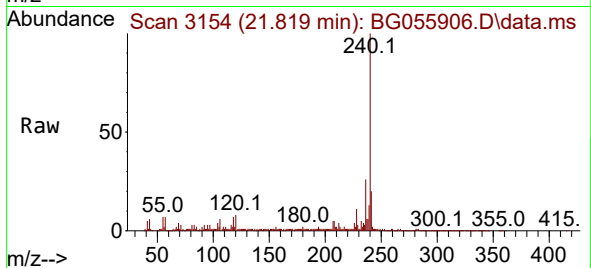
Tgt Ion:240 Resp: 208726

Ion Ratio Lower Upper

240 100

120 8.0 6.3 9.5

236 26.1 21.9 32.9



#78

Pyrene

Concen: 10.828 ng

RT: 19.945 min Scan# 2835

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

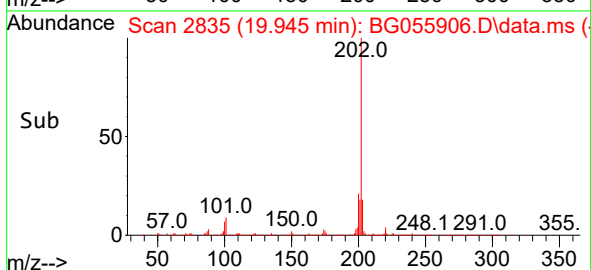
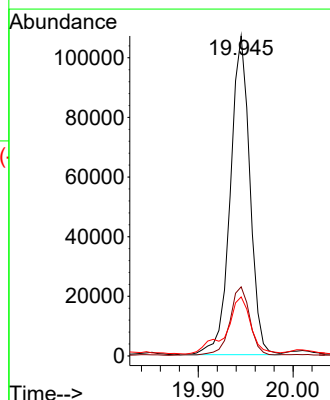
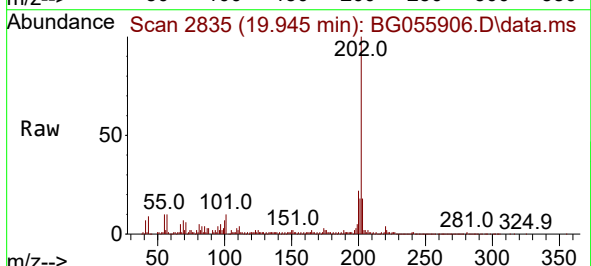
Tgt Ion:202 Resp: 152977

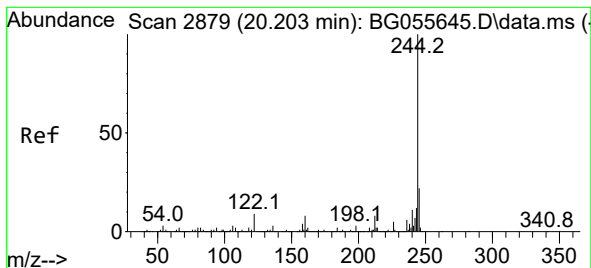
Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.4 14.4 21.6





#79

Terphenyl-d14

Concen: 64.453 ng

RT: 20.127 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

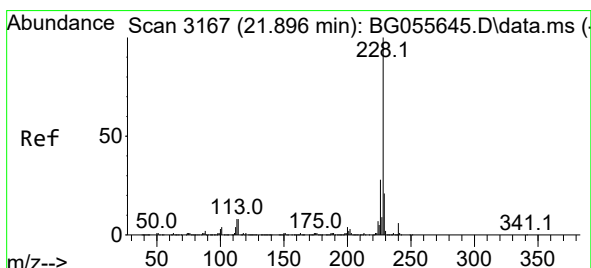
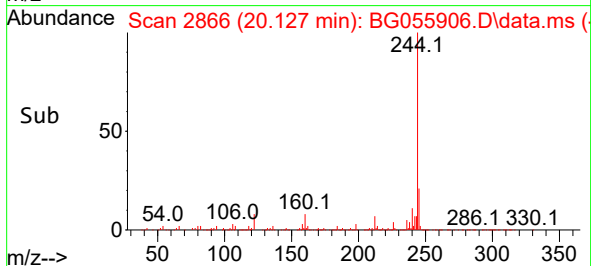
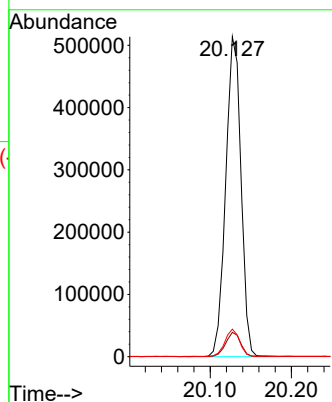
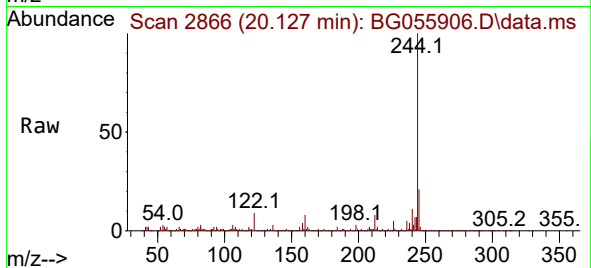
Tgt Ion:244 Resp: 672605

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 8.6 6.9 10.3



#81

Benzo(a)anthracene

Concen: 6.356 ng

RT: 21.802 min Scan# 3151

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

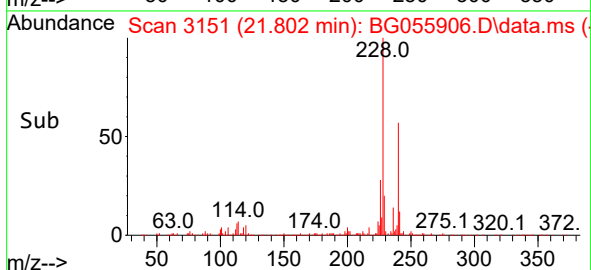
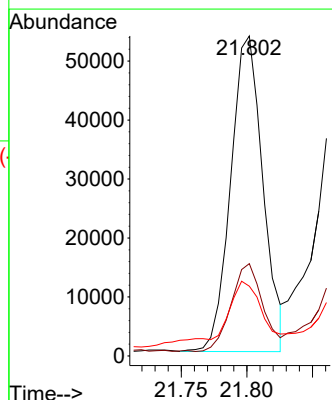
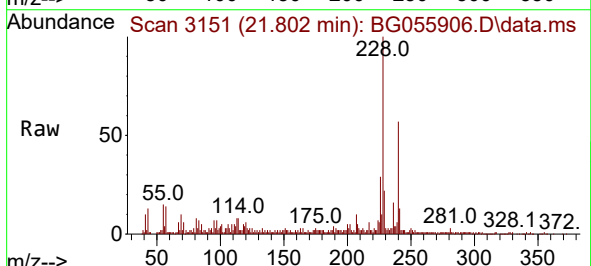
Tgt Ion:228 Resp: 91377

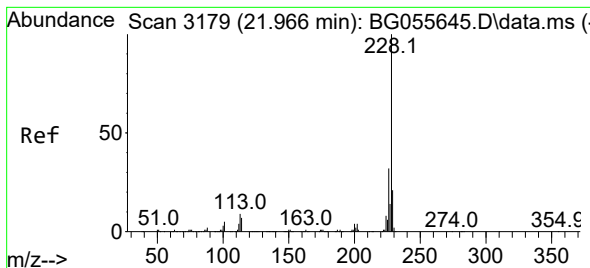
Ion Ratio Lower Upper

228 100

226 28.9 22.7 34.1

229 21.8 16.5 24.7





#83

Chrysene

Concen: 5.972 ng

RT: 21.866 min Scan# 3179

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

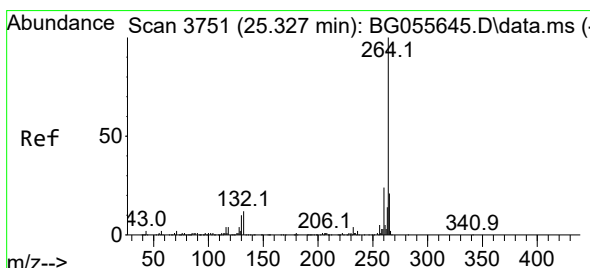
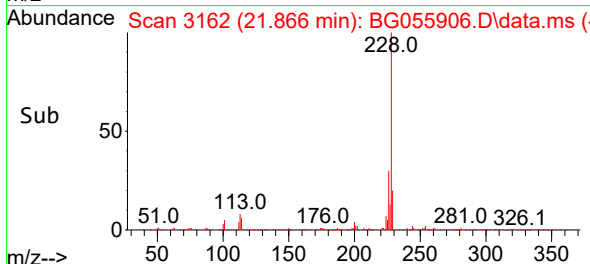
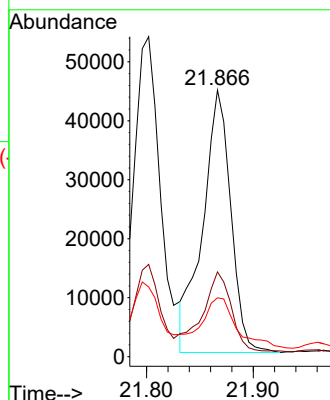
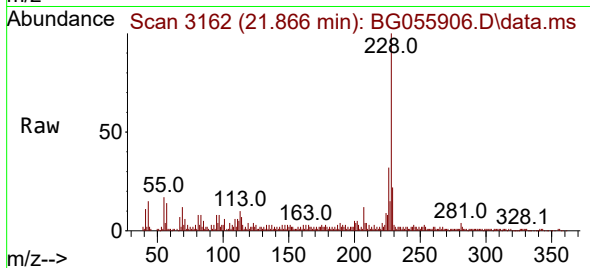
BNA_G

ClientSampleId :

EO-3-120522

Tgt Ion:228 Resp: 81738

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.2
229	22.1	17.1	25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.174 min Scan# 3725

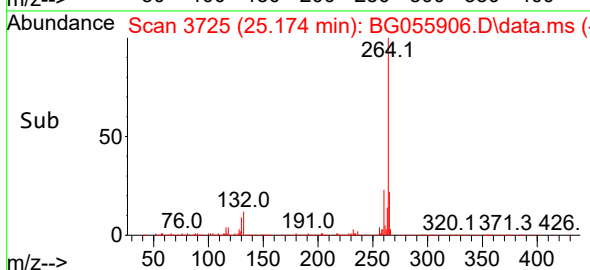
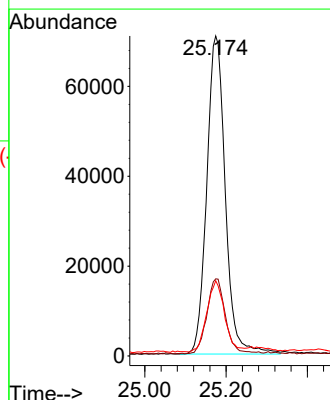
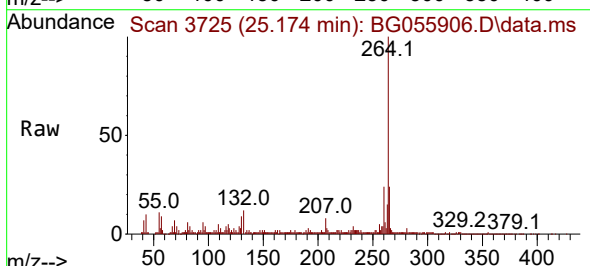
Delta R.T. -0.003 min

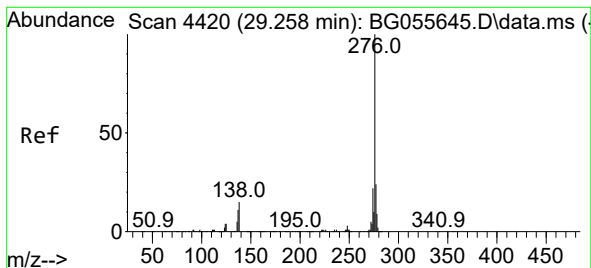
Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Tgt Ion:264 Resp: 224303

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.5	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.351 ng

RT: 29.035 min Scan# 41

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

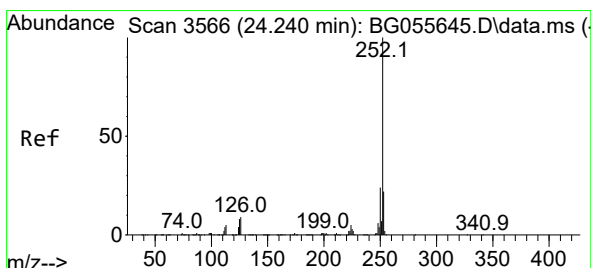
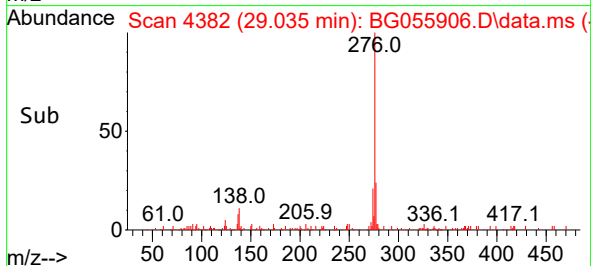
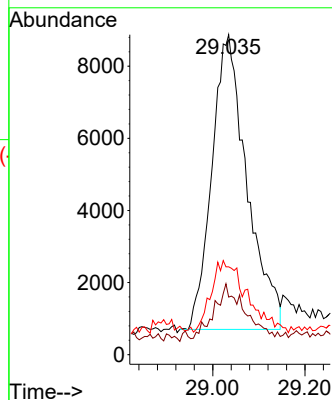
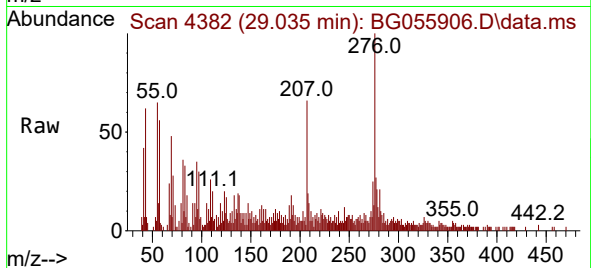
Tgt Ion:276 Resp: 43205

Ion Ratio Lower Upper

276 100

138 15.8 10.4 15.6#

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 7.625 ng

RT: 24.105 min Scan# 3543

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

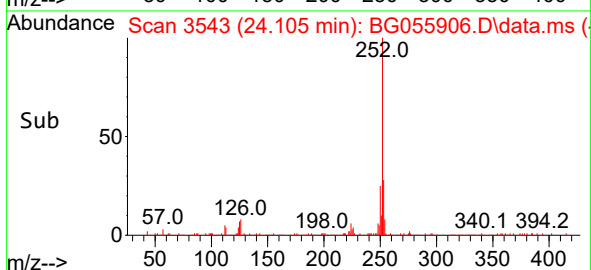
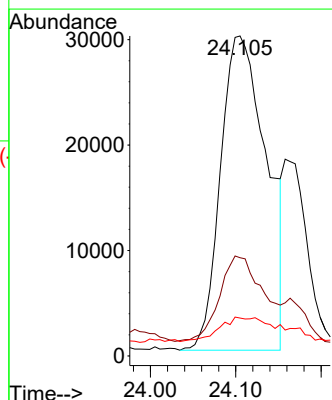
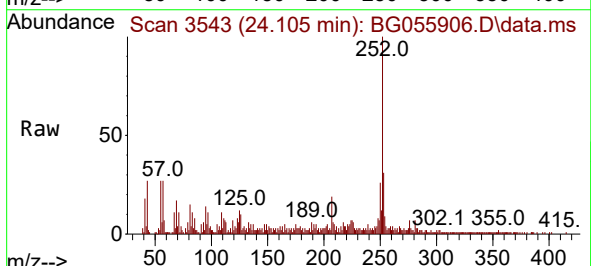
Tgt Ion:252 Resp: 111390

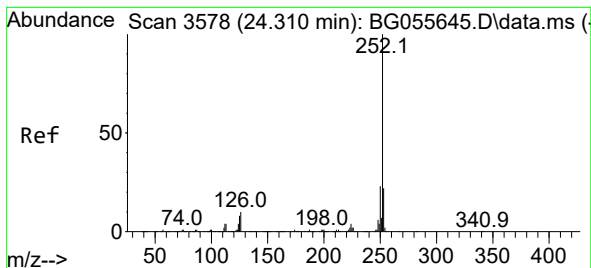
Ion Ratio Lower Upper

252 100

253 30.7 18.0 27.0#

125 11.8 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 7.650 ng

RT: 24.105 min Scan# 3

Delta R.T. -0.074 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

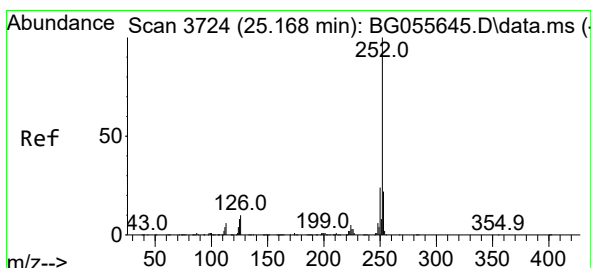
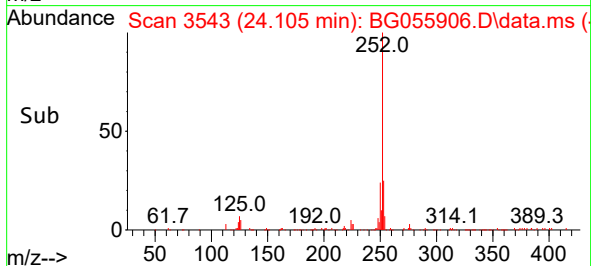
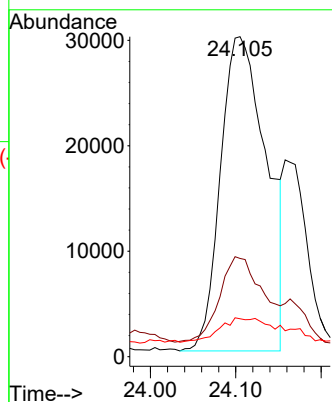
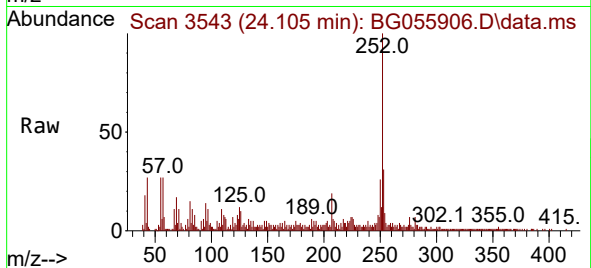
Tgt Ion:252 Resp: 111390

Ion Ratio Lower Upper

252 100

253 30.7 17.8 26.6#

125 11.8 6.1 9.1#



#90

Benzo(a)pyrene

Concen: 6.655 ng

RT: 25.010 min Scan# 3697

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

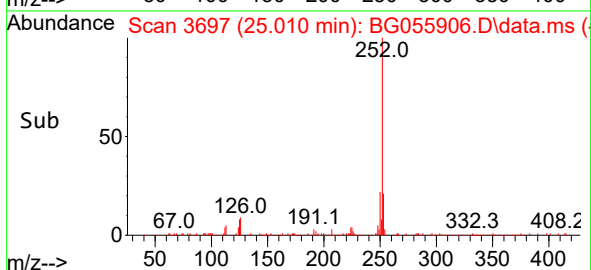
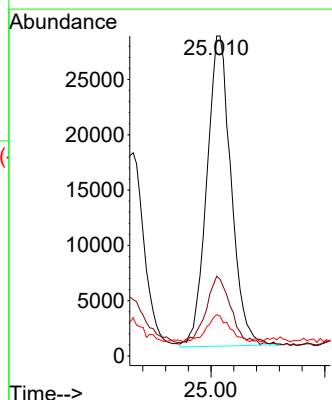
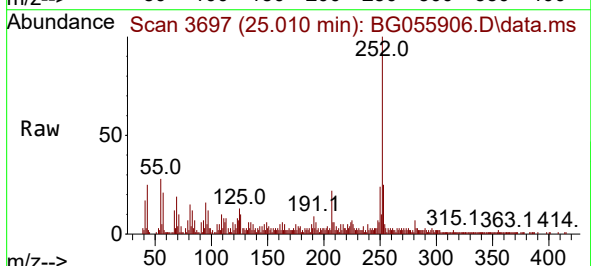
Tgt Ion:252 Resp: 83419

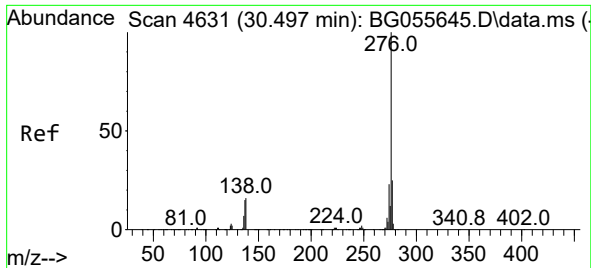
Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

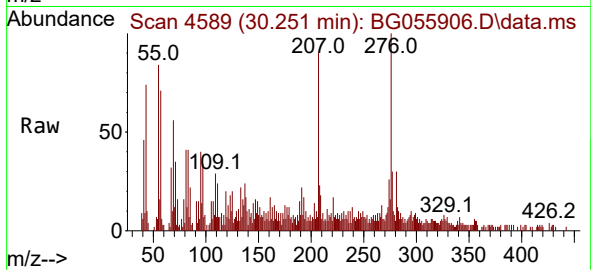
125 12.9 6.4 9.6#





#92
Benzo(g,h,i)perylene
Concen: 2.691 ng
RT: 30.251 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Instrument :
BNA_G
ClientSampleId :
EO-3-120522



Tgt Ion:276 Resp: 40719
Ion Ratio Lower Upper
276 100
277 30.3 19.8 29.6#
138 16.7 13.1 19.7

