

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
 Data File : BG056393.D
 Acq On : 23 Jan 2023 21:12
 Operator : CG/JU
 Sample : 01234-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL

Quant Time: Jan 24 01:24:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

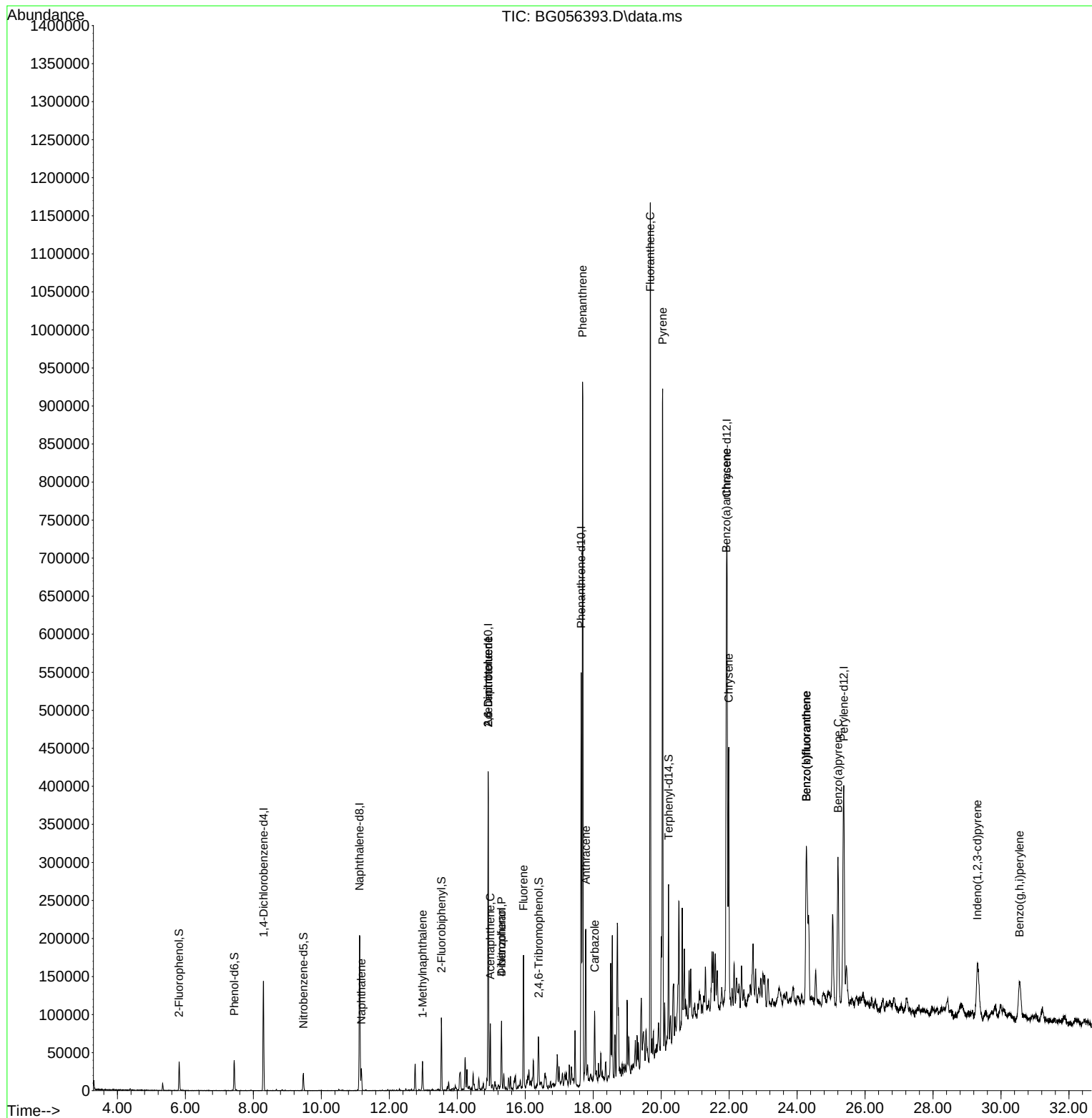
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	50736	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	198234	20.000	ng	-0.01
39) Acenaphthene-d10	14.909	164	154717	20.000	ng	-0.01
64) Phenanthrene-d10	17.647	188	367928	20.000	ng	-0.01
76) Chrysene-d12	21.936	240	337600	20.000	ng	#-0.02
86) Perylene-d12	25.373	264	368547	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.814	112	23314	8.205	ng	-0.01
7) Phenol-d6	7.436	99	32288	7.399	ng	-0.01
23) Nitrobenzene-d5	9.474	82	17295	4.463	ng	-0.01
42) 2,4,6-Tribromophenol	16.396	330	9667	4.933	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	55254	4.932	ng	-0.01
79) Terphenyl-d14	20.221	244	92511	4.908	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.178	128	28190	2.702	ng	97
38) 1-Methylnaphthalene	12.982	142	18705	2.287	ng	100
51) 2,6-Dinitrotoluene	14.909	165	22132	8.316	ng	# 33
52) Acenaphthene	14.974	154	30370	3.281	ng	94
55) Dibenzofuran	15.303	168	56377	3.680	ng	96
56) 4-Nitrophenol	15.303	139	18455	9.474	ng	# 6
57) 2,4-Dinitrotoluene	14.909	165	22132	5.946	ng	# 30
58) Fluorene	15.949	166	85159	6.912	ng	95
71) Phenanthrene	17.688	178	651221	34.154	ng	99
72) Anthracene	17.782	178	150950	7.674	ng	97
73) Carbazole	18.047	167	63968	3.869	ng	97
75) Fluoranthene	19.680	202	754058	30.318	ng	99
78) Pyrene	20.044	202	634427	26.662	ng	100
81) Benzo(a)anthracene	21.919	228	318671	13.439	ng	99
83) Chrysene	21.989	228	272192	12.255	ng	97
87) Indeno(1,2,3-cd)pyrene	29.304	276	140119	5.228	ng	# 98
88) Benzo(b)fluoranthene	24.275	252	316577	13.520	ng	# 96
89) Benzo(k)fluoranthene	24.275	252	316577	13.577	ng	# 96
90) Benzo(a)pyrene	25.203	252	240201	10.517	ng	# 96
92) Benzo(g,h,i)perylene	30.550	276	128205	5.883	ng	99

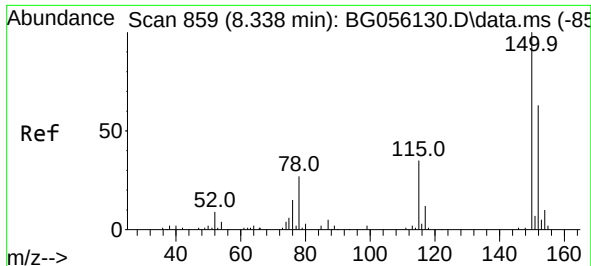
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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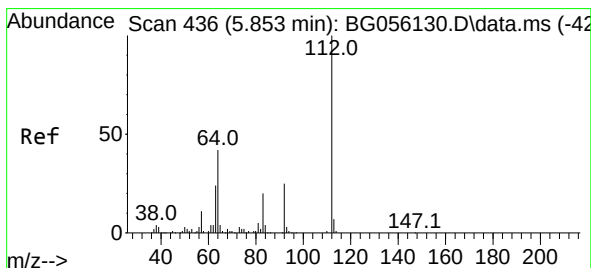
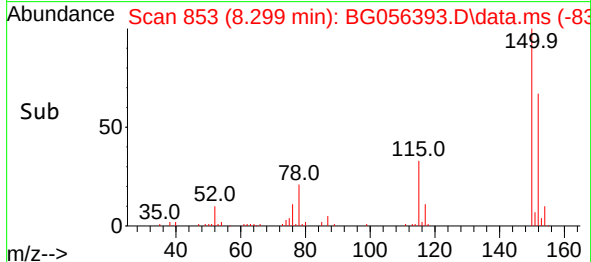
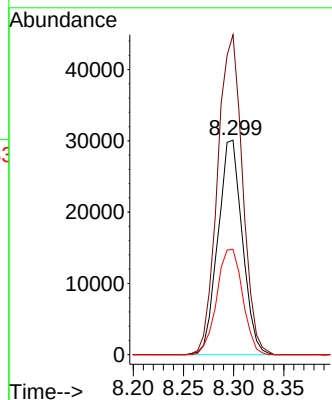
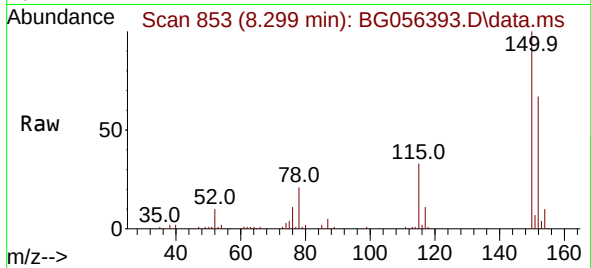




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.299 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

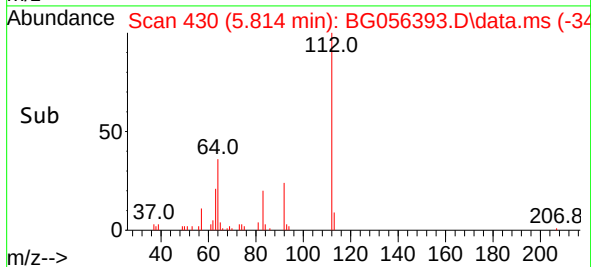
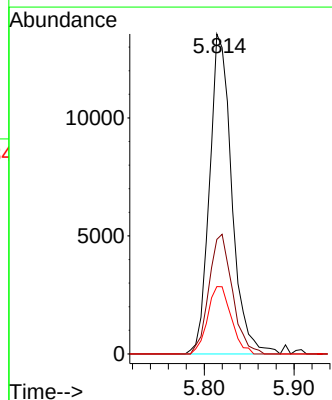
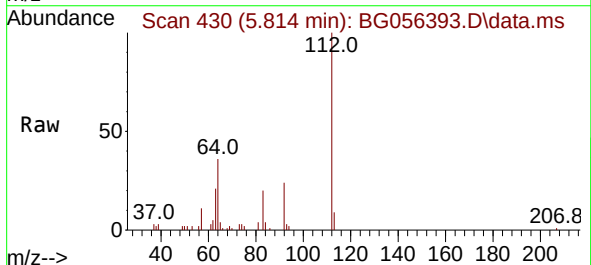
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

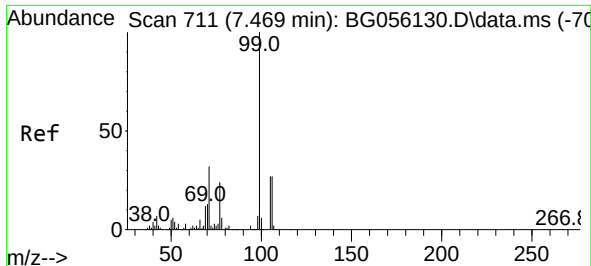
Tgt Ion:152 Resp: 50736
Ion Ratio Lower Upper
152 100
150 149.1 127.9 191.9
115 49.1 44.2 66.2



#5
2-Fluorophenol
Concen: 8.205 ng
RT: 5.814 min Scan# 430
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:112 Resp: 23314
Ion Ratio Lower Upper
112 100
64 35.8 33.3 49.9
63 21.1 19.0 28.4

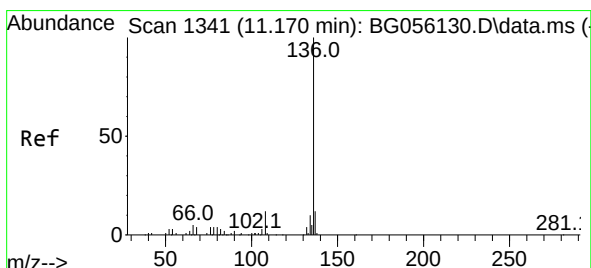
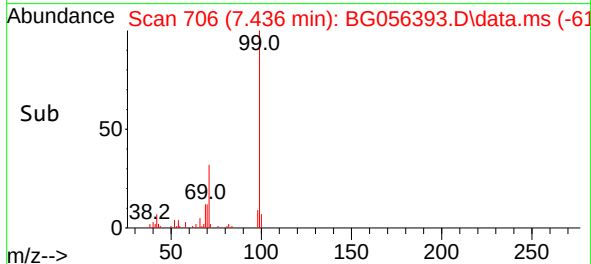
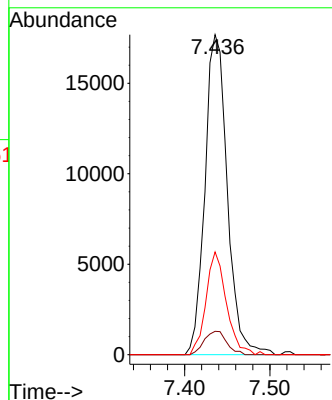
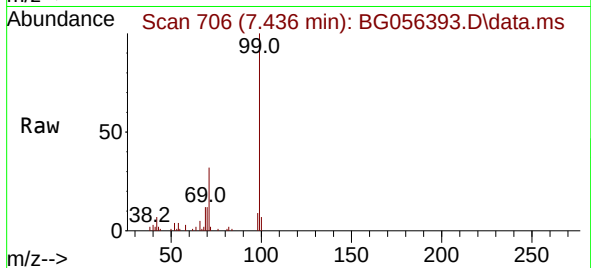




#7
Phenol-d6
Concen: 7.399 ng
RT: 7.436 min Scan# 711
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

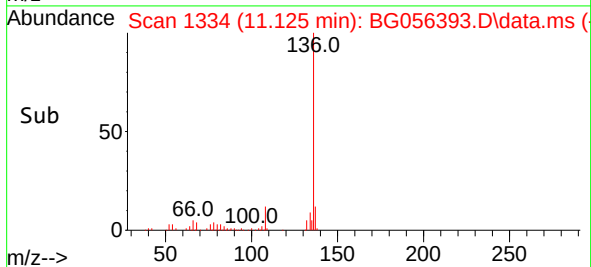
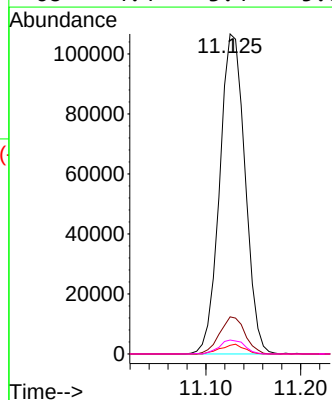
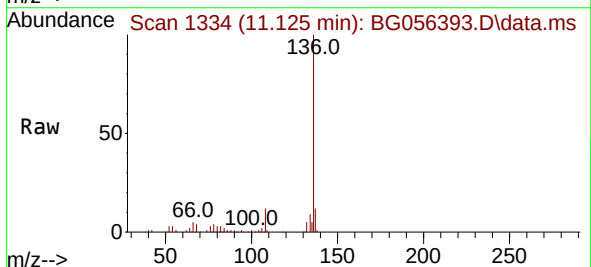
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

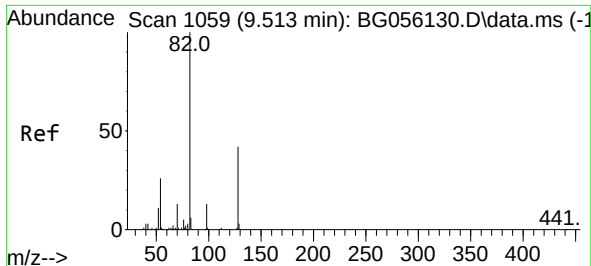
Tgt Ion:	99	Resp:	32288
Ion	Ratio	Lower	Upper
99	100		
42	7.3	5.9	8.9
71	32.1	25.4	38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:	136	Resp:	198234
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	2.7	2.2	3.2
68	4.4	3.4	5.0





#23

Nitrobenzene-d5

Concen: 4.463 ng

RT: 9.474 min Scan# 1053

Delta R.T. -0.012 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

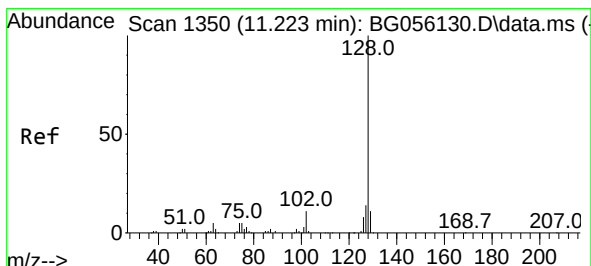
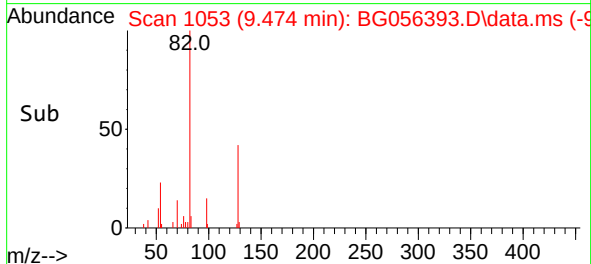
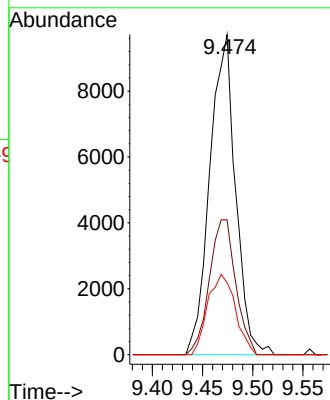
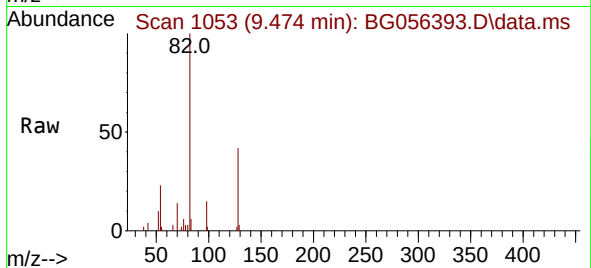
Tgt Ion: 82 Resp: 17295

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.2

54 22.5 20.3 30.5



#31

Naphthalene

Concen: 2.702 ng

RT: 11.178 min Scan# 1343

Delta R.T. -0.018 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

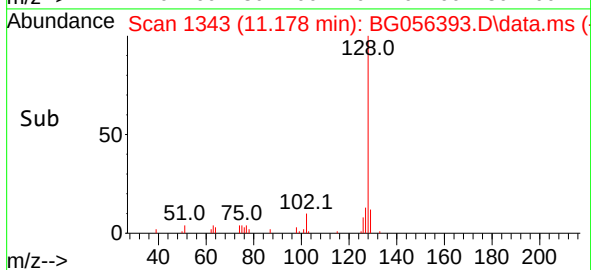
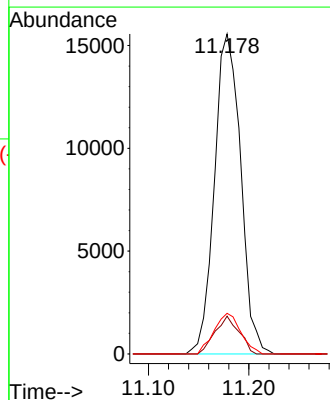
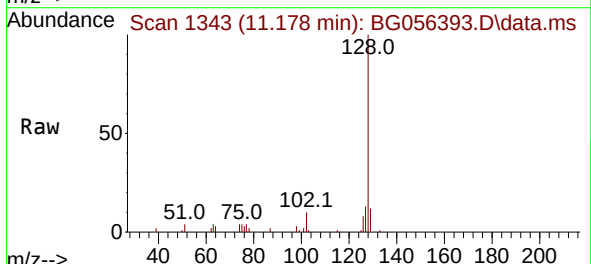
Tgt Ion: 128 Resp: 28190

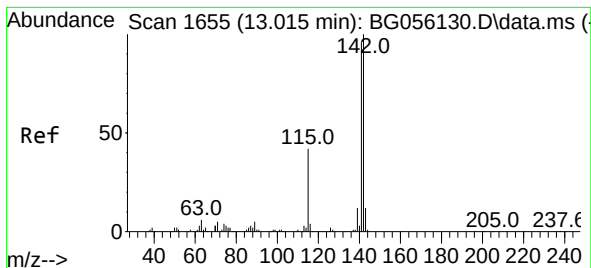
Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

127 12.7 11.2 16.8





#38

1-Methylnaphthalene

Concen: 2.287 ng

RT: 12.982 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

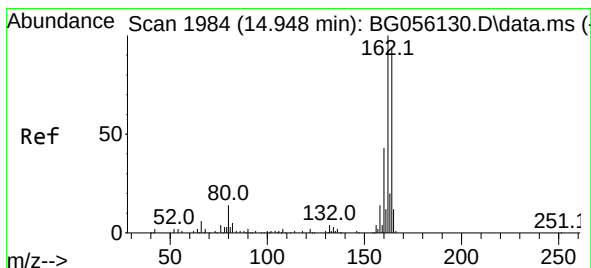
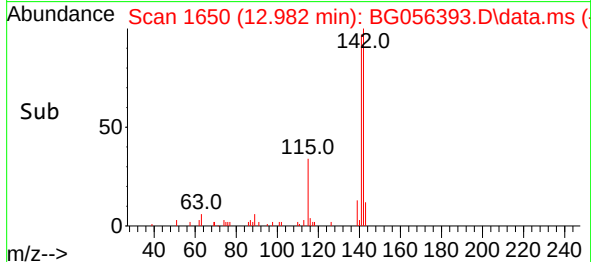
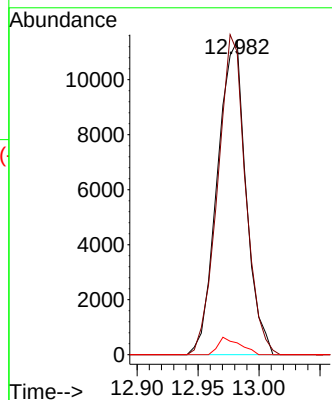
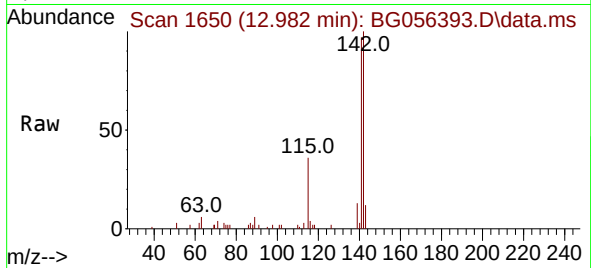
Tgt Ion:142 Resp: 18705

Ion Ratio Lower Upper

142 100

141 96.7 77.0 115.6

116 3.8 3.6 5.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.909 min Scan# 1978

Delta R.T. -0.012 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

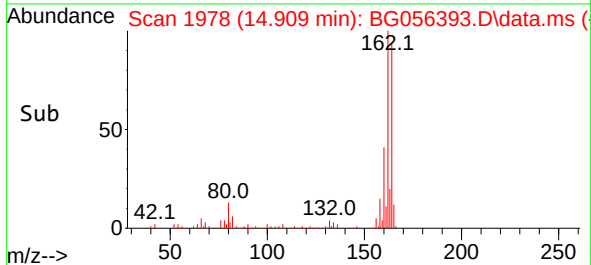
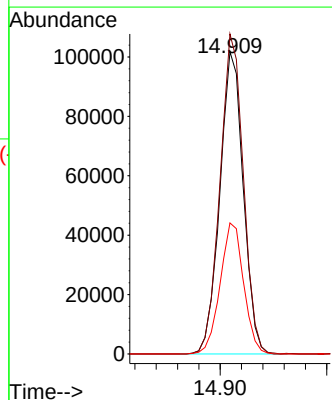
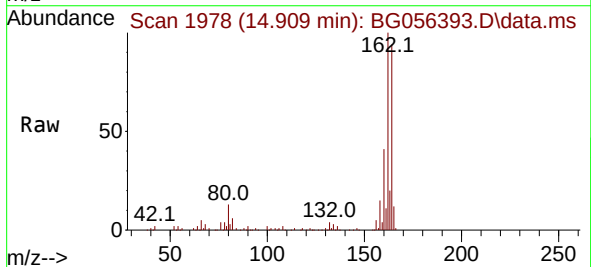
Tgt Ion:164 Resp: 154717

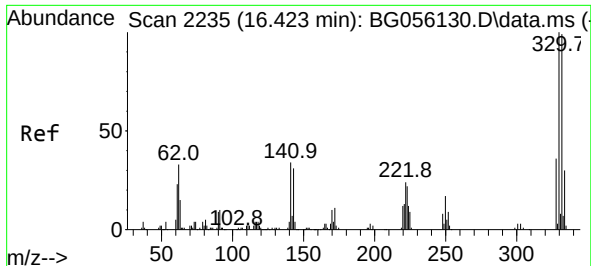
Ion Ratio Lower Upper

164 100

162 105.9 84.7 127.1

160 43.4 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 4.933 ng

RT: 16.396 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG056393.D

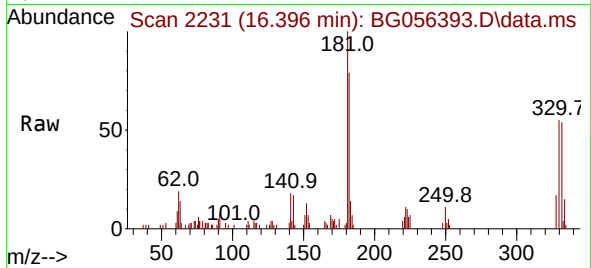
Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL



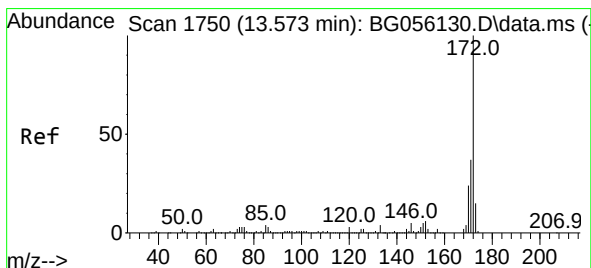
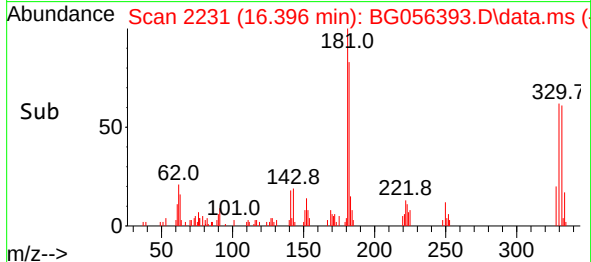
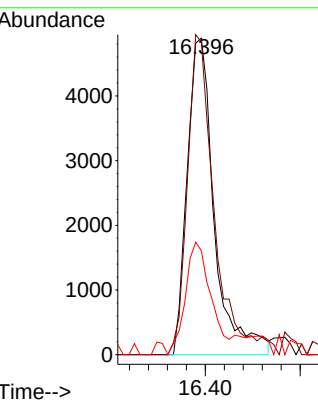
Tgt Ion:330 Resp: 9667

Ion Ratio Lower Upper

330 100

332 100.6 77.3 115.9

141 33.5 27.9 41.9



#45

2-Fluorobiphenyl

Concen: 4.932 ng

RT: 13.534 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

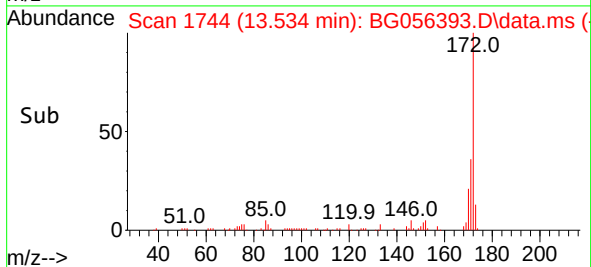
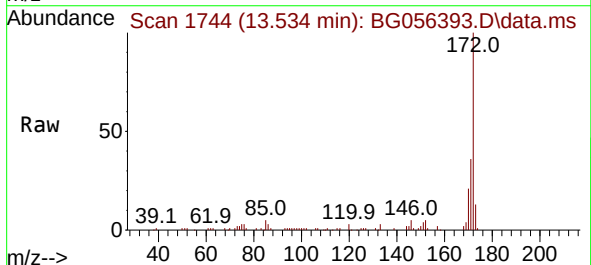
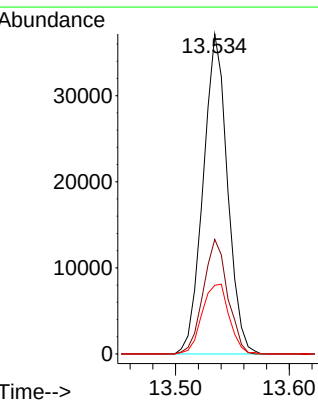
Tgt Ion:172 Resp: 55254

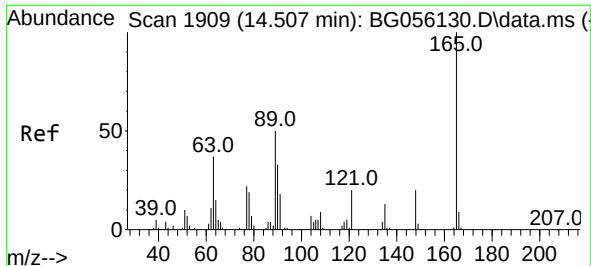
Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

170 21.5 19.4 29.2

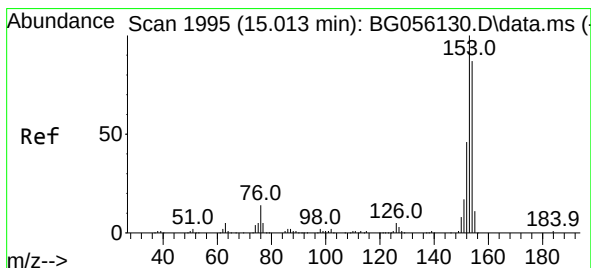
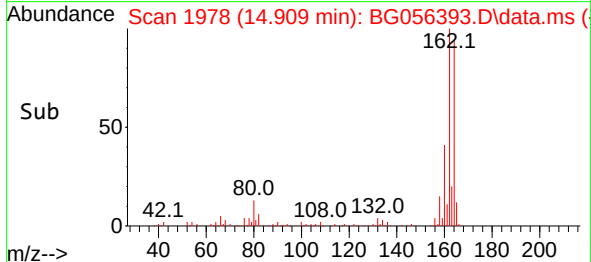
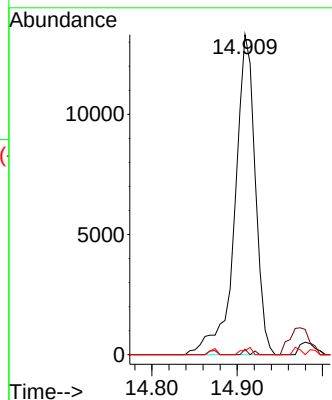
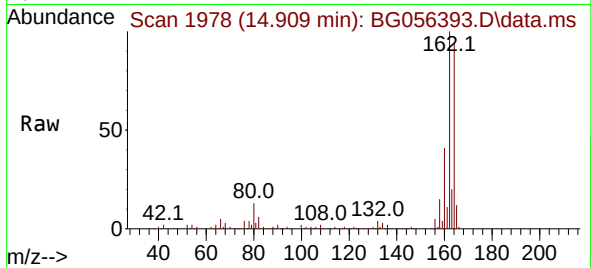




#51
2,6-Dinitrotoluene
Concen: 8.316 ng
RT: 14.909 min Scan# 1909
Delta R.T. 0.422 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

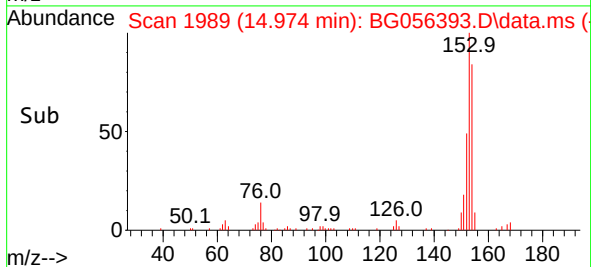
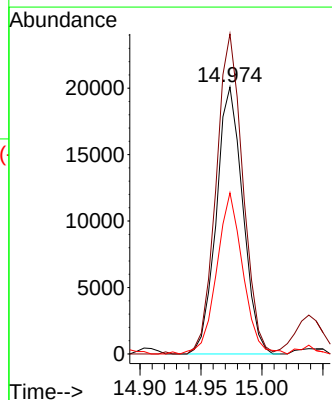
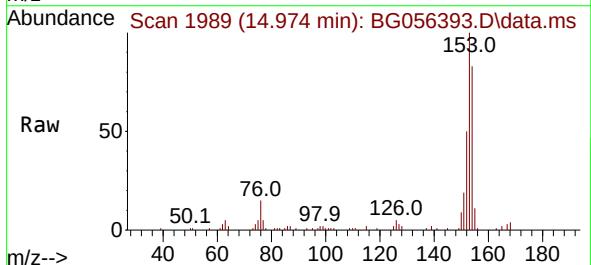
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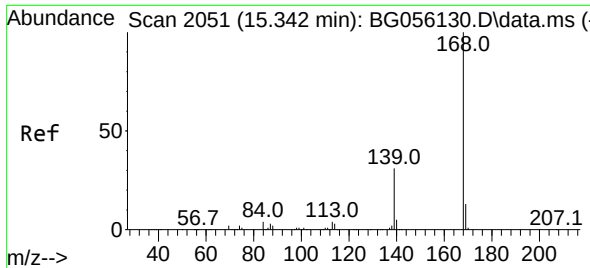
Tgt Ion:165 Resp: 22132
Ion Ratio Lower Upper
165 100
63 1.7 32.2 48.2#
89 1.2 39.8 59.8#



#52
Acenaphthene
Concen: 3.281 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:154 Resp: 30370
Ion Ratio Lower Upper
154 100
153 119.9 92.0 138.0
152 60.4 42.5 63.7

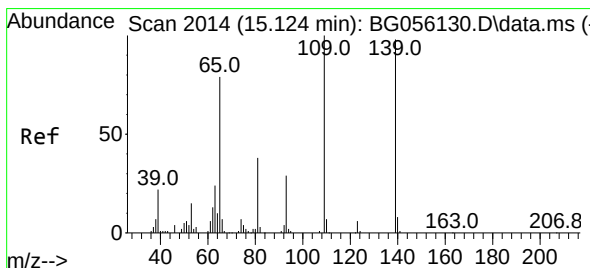
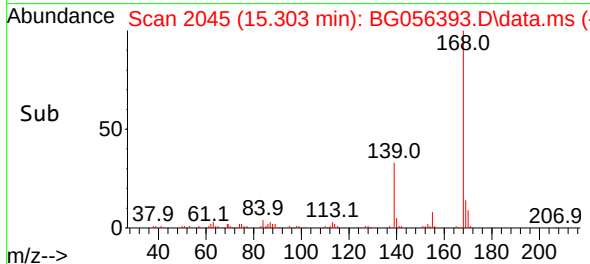
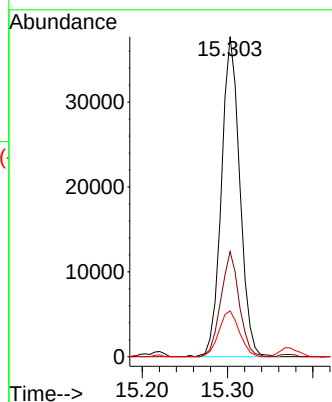
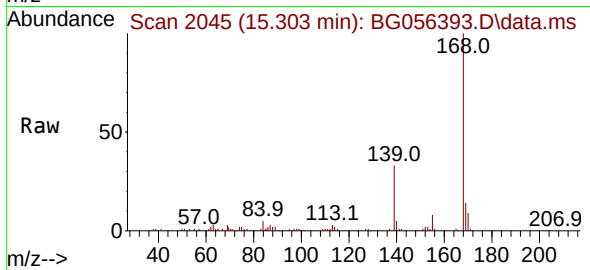




#55
Dibenzofuran
Concen: 3.680 ng
RT: 15.303 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

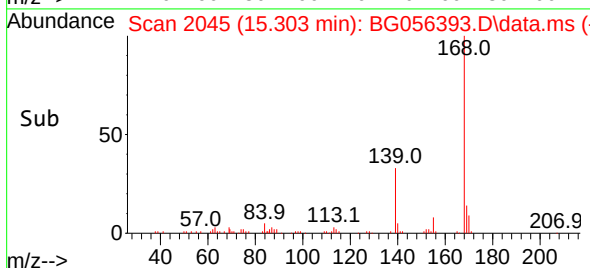
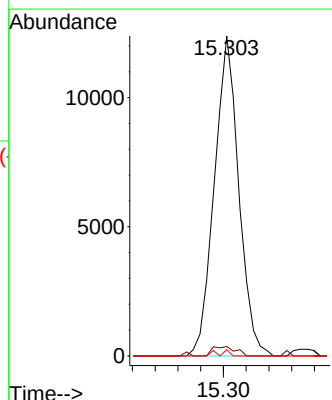
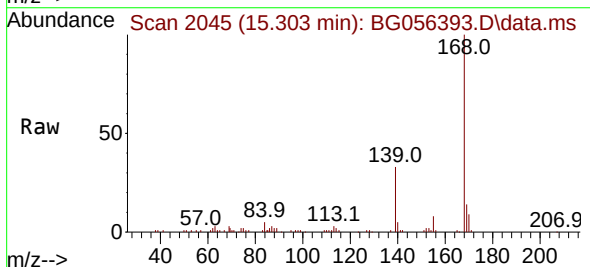
Instrument :
BNA_G
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EO-02-11923DL

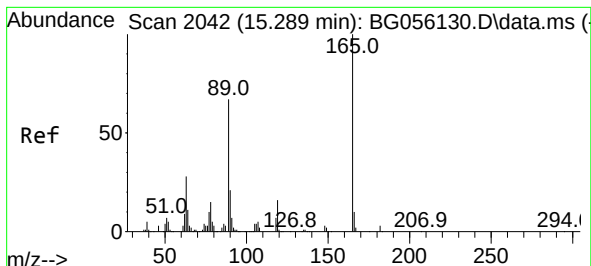
Tgt Ion:168 Resp: 56377
Ion Ratio Lower Upper
168 100
139 32.8 24.7 37.1
169 14.3 10.3 15.5



#56
4-Nitrophenol
Concen: 9.474 ng
RT: 15.303 min Scan# 2045
Delta R.T. 0.187 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:139 Resp: 18455
Ion Ratio Lower Upper
139 100
109 2.9 82.2 122.2#
65 1.9 60.6 100.6#

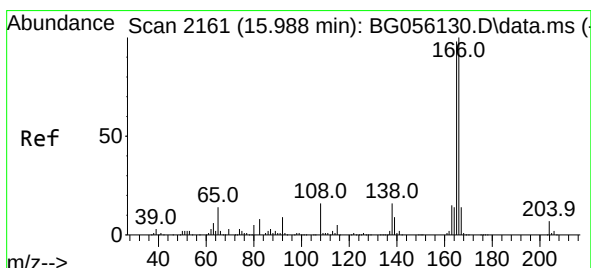
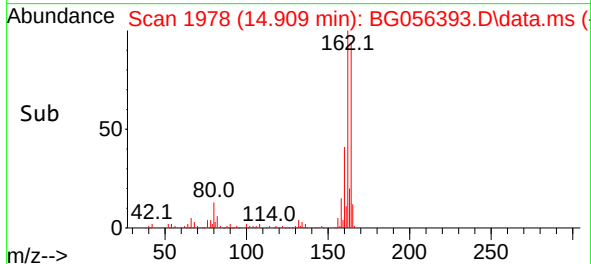
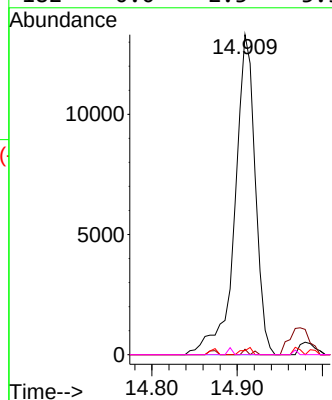
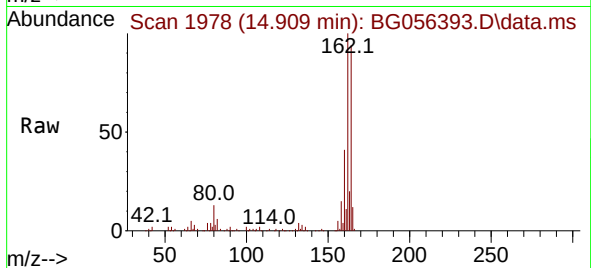




#57
2,4-Dinitrotoluene
Concen: 5.946 ng
RT: 14.909 min Scan# 14
Delta R.T. -0.365 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

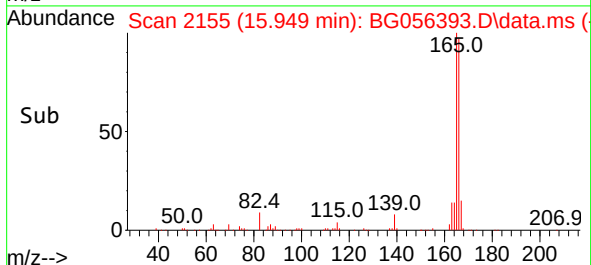
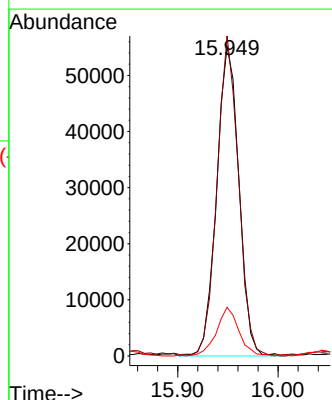
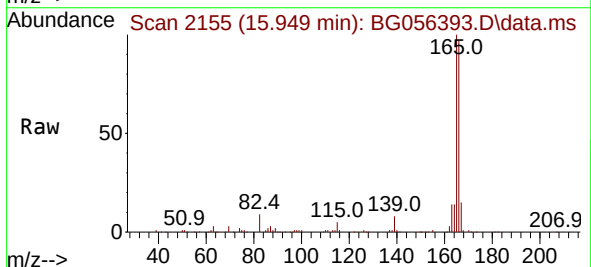
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

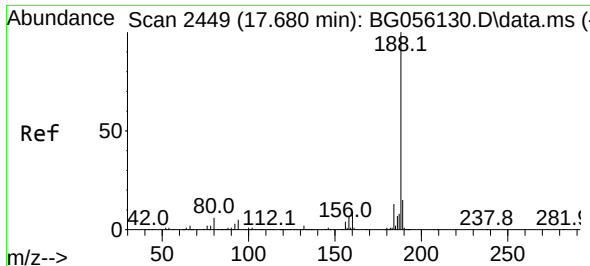
Tgt Ion:165 Resp: 22132
Ion Ratio Lower Upper
165 100
63 1.7 22.6 34.0#
89 1.2 53.2 79.8#
182 0.0 2.3 3.5#



#58
Fluorene
Concen: 6.912 ng
RT: 15.949 min Scan# 2155
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:166 Resp: 85159
Ion Ratio Lower Upper
166 100
165 103.4 78.6 118.0
167 15.7 11.1 16.7

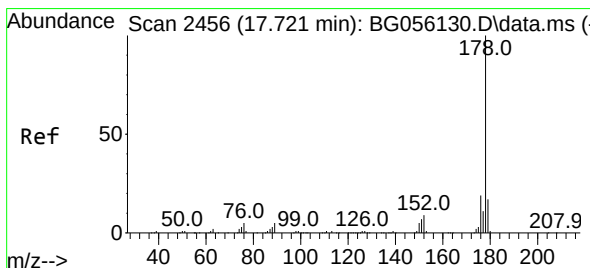
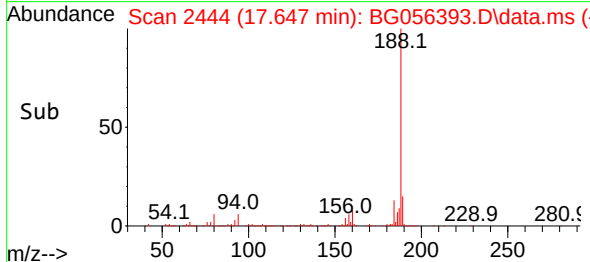
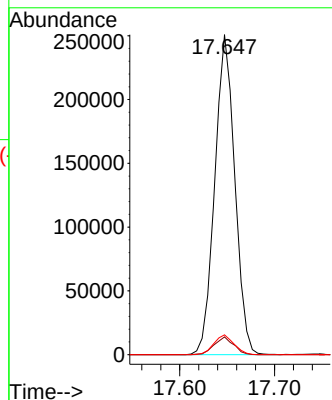
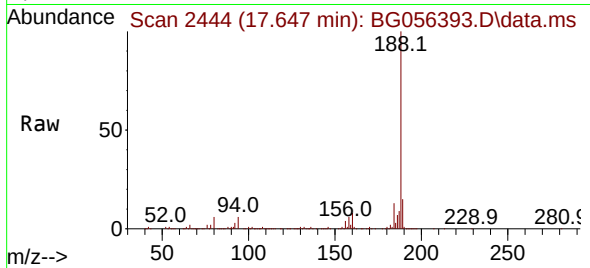




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2449
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

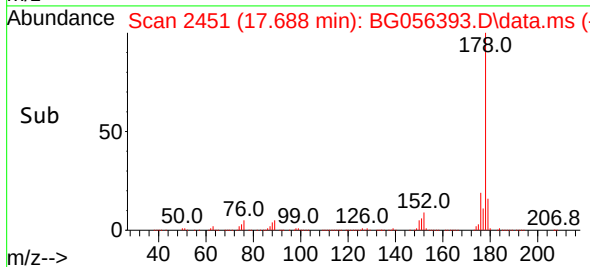
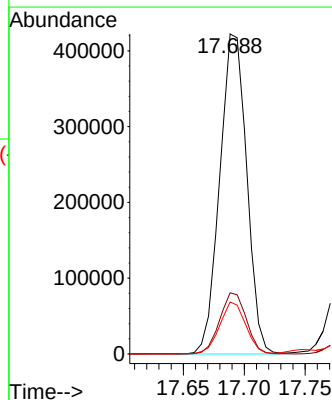
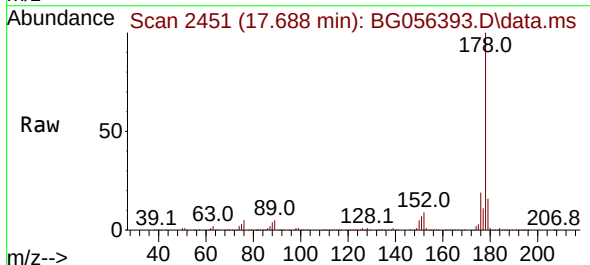
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

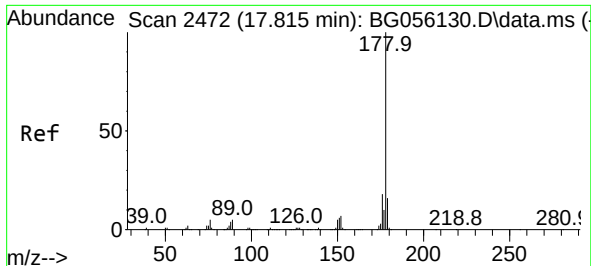
Tgt Ion:188 Resp: 367928
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 6.2 5.0 7.4



#71
Phenanthrene
Concen: 34.154 ng
RT: 17.688 min Scan# 2451
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:178 Resp: 651221
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.3 13.6 20.4

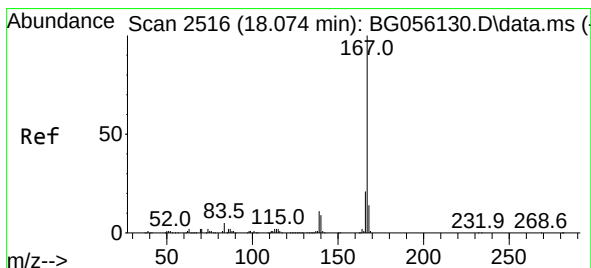
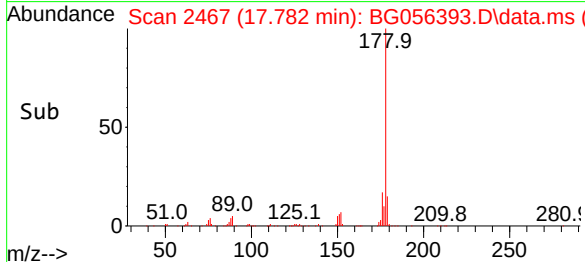
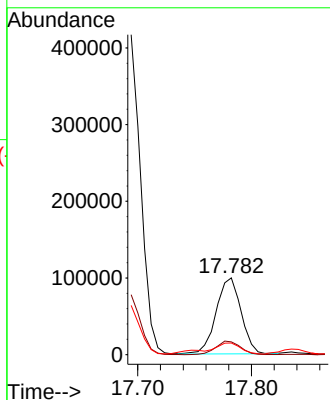
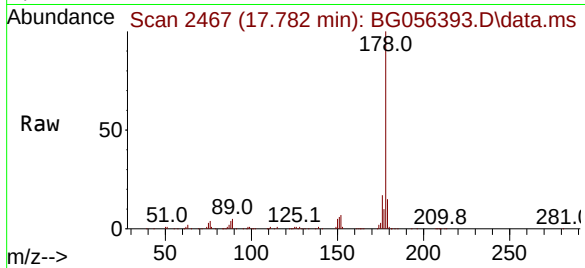




#72
 Anthracene
 Concen: 7.674 ng
 RT: 17.782 min Scan# 2472
 Delta R.T. -0.012 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

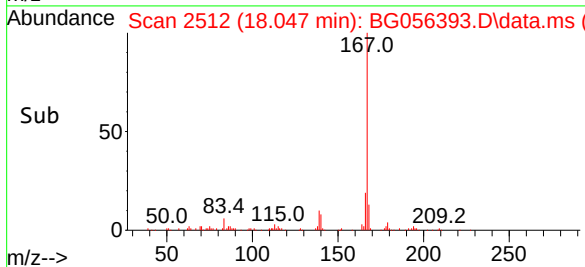
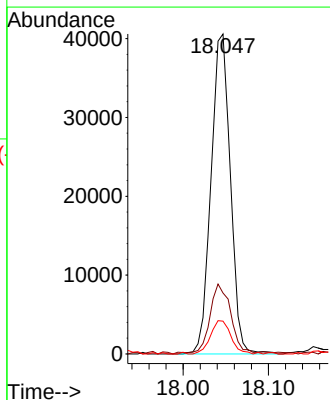
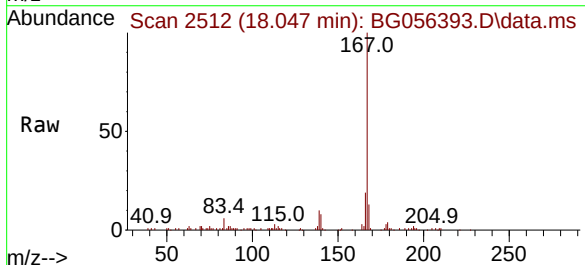
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL

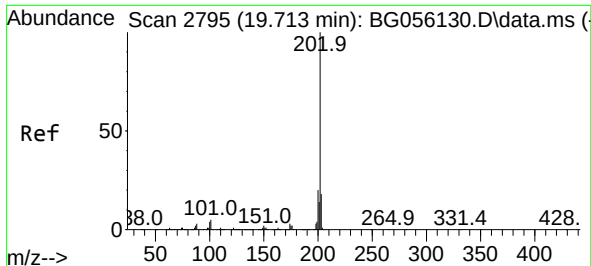
Tgt Ion:178 Resp: 150950
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.6 22.0
 179 15.2 12.7 19.1



#73
 Carbazole
 Concen: 3.869 ng
 RT: 18.047 min Scan# 2512
 Delta R.T. -0.007 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

Tgt Ion:167 Resp: 63968
 Ion Ratio Lower Upper
 167 100
 166 19.1 16.8 25.2
 139 10.3 8.9 13.3

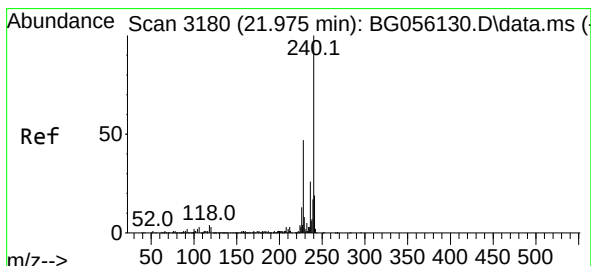
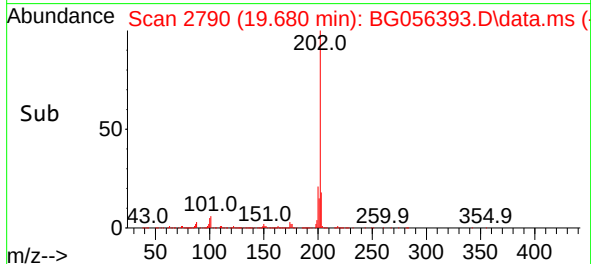
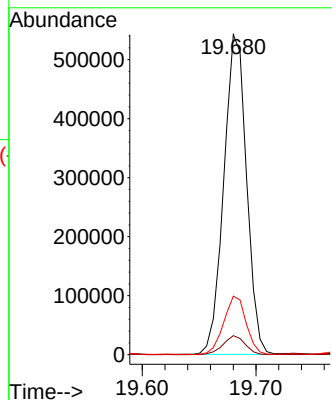
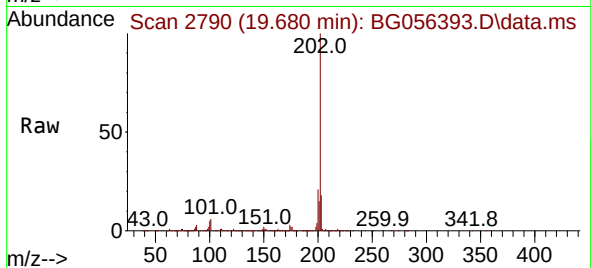




#75
Fluoranthene
Concen: 30.318 ng
RT: 19.680 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

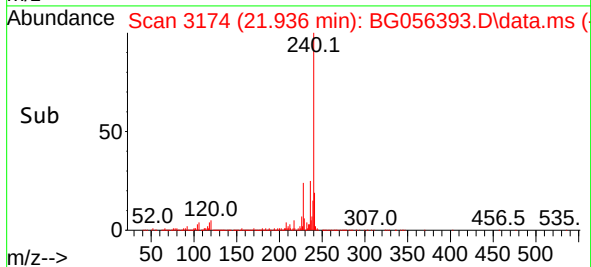
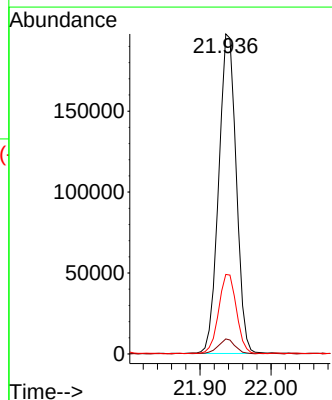
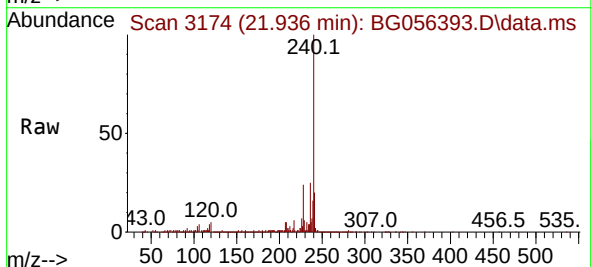
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

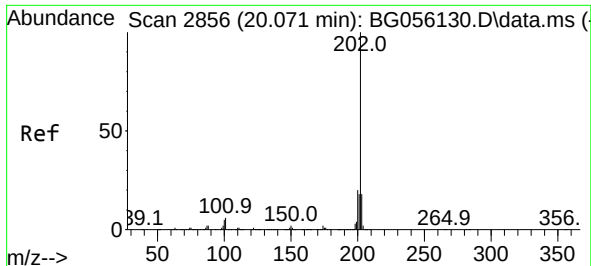
Tgt Ion:202 Resp: 754058
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.0
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3174
Delta R.T. -0.018 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:240 Resp: 337600
Ion Ratio Lower Upper
240 100
120 4.7 2.6 4.0#
236 24.9 20.8 31.2

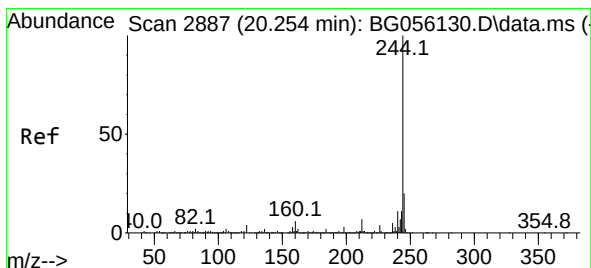
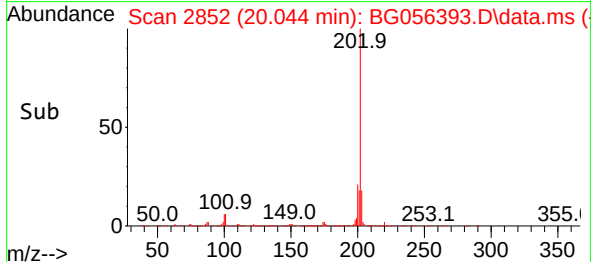
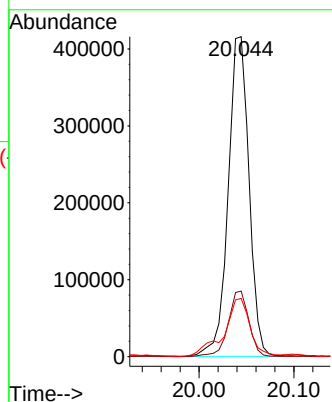
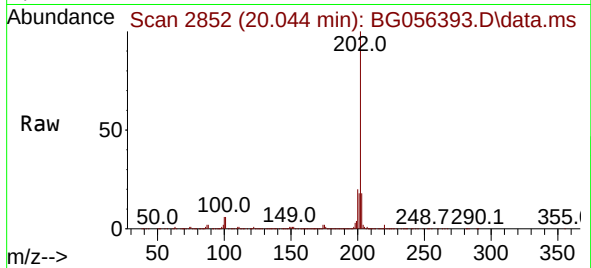




#78
 Pyrene
 Concen: 26.662 ng
 RT: 20.044 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

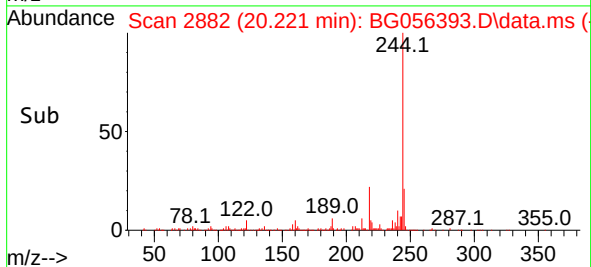
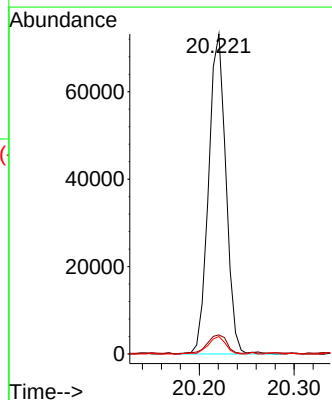
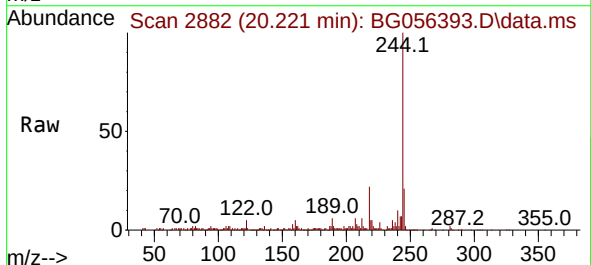
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-11923DL

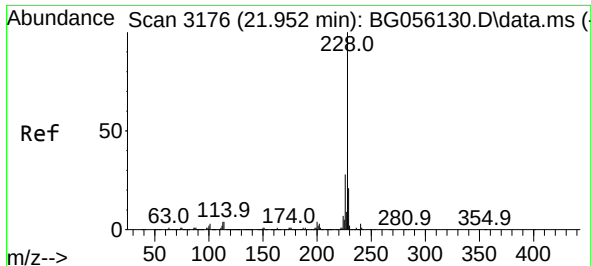
Tgt Ion:202 Resp: 634427
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.4 24.6
 203 18.2 14.3 21.5



#79
 Terphenyl-d14
 Concen: 4.908 ng
 RT: 20.221 min Scan# 2882
 Delta R.T. -0.012 min
 Lab File: BG056393.D
 Acq: 23 Jan 2023 21:12

Tgt Ion:244 Resp: 92511
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.7 8.5
 122 5.4 3.5 5.3#

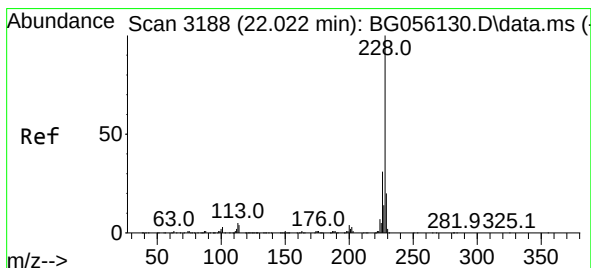
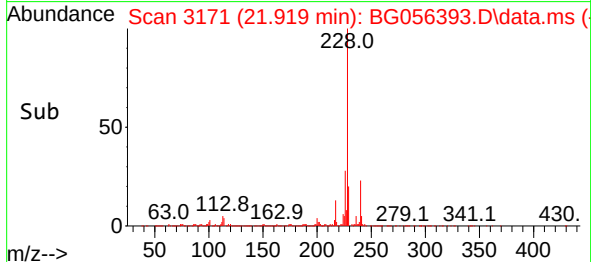
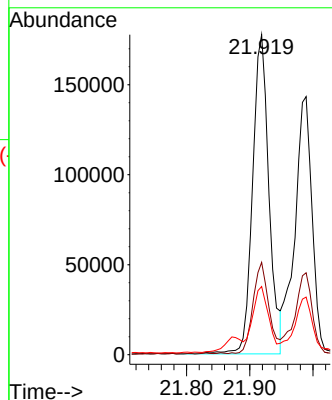
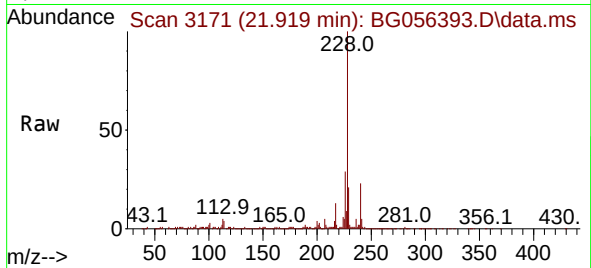




#81
Benzo(a)anthracene
Concen: 13.439 ng
RT: 21.919 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

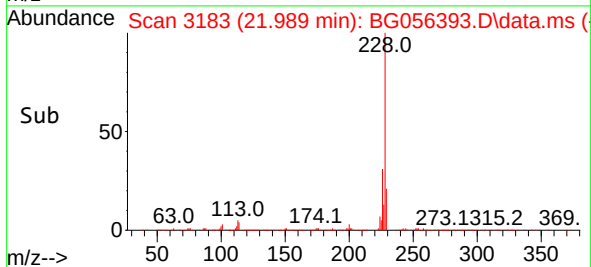
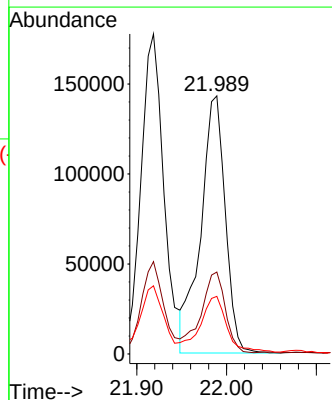
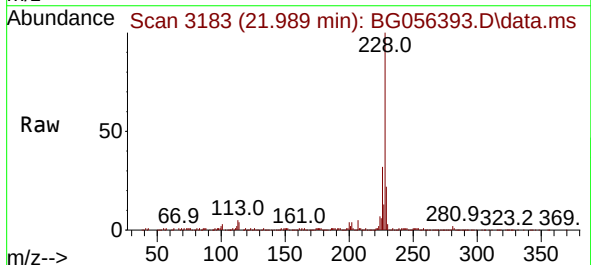
Instrument :
BNA_G
ClientSampleId :
EO-02-11923DL

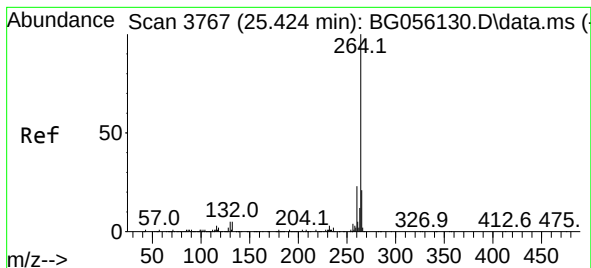
Tgt Ion:228 Resp: 318671
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 21.3 16.9 25.3



#83
Chrysene
Concen: 12.255 ng
RT: 21.989 min Scan# 3183
Delta R.T. -0.012 min
Lab File: BG056393.D
Acq: 23 Jan 2023 21:12

Tgt Ion:228 Resp: 272192
Ion Ratio Lower Upper
228 100
226 31.7 24.6 36.8
229 22.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.373 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

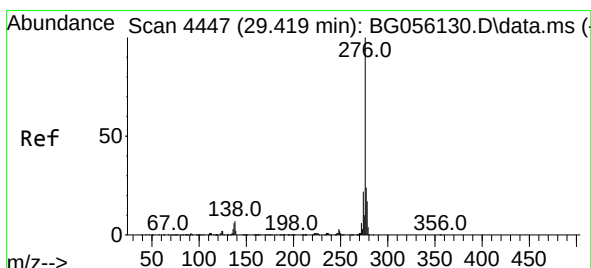
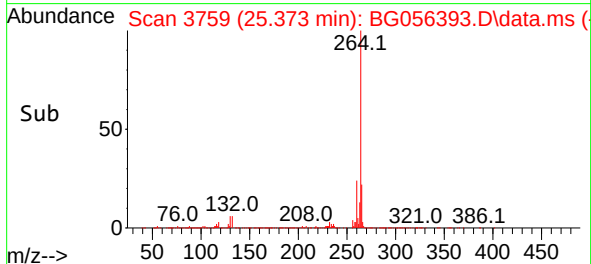
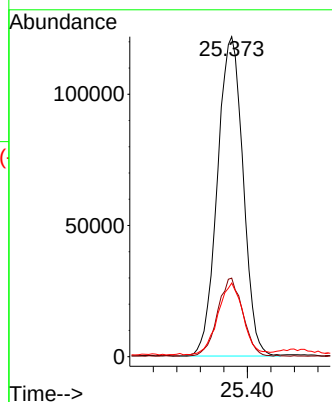
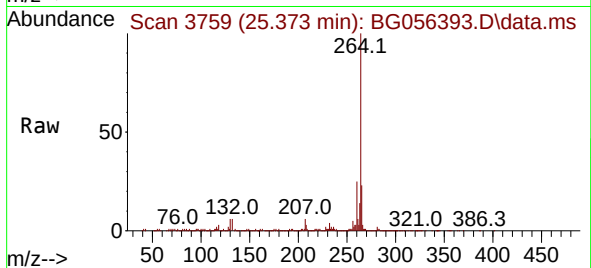
Tgt Ion:264 Resp: 368547

Ion Ratio Lower Upper

264 100

260 24.6 18.6 28.0

265 23.0 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.228 ng

RT: 29.304 min Scan# 4428

Delta R.T. -0.054 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

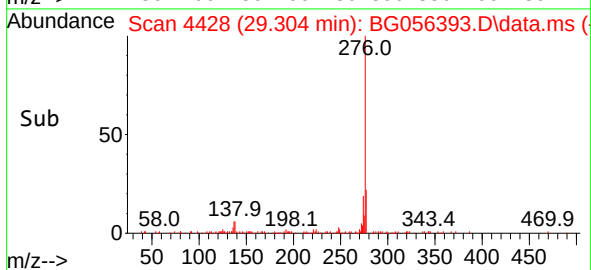
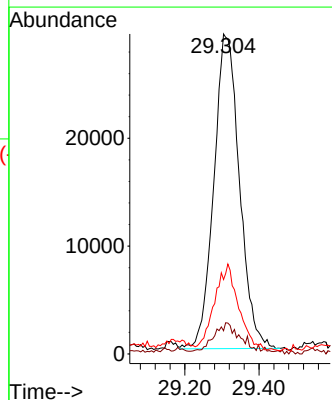
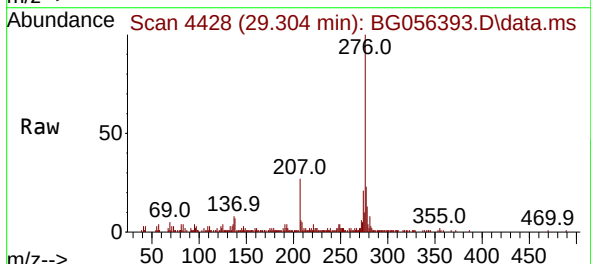
Tgt Ion:276 Resp: 140119

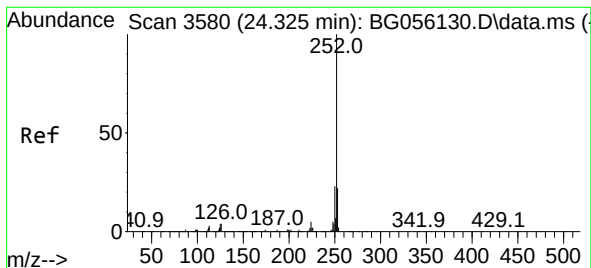
Ion Ratio Lower Upper

276 100

138 8.7 5.0 7.4#

277 25.4 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 13.520 ng

RT: 24.275 min Scan# 3572

Delta R.T. -0.018 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

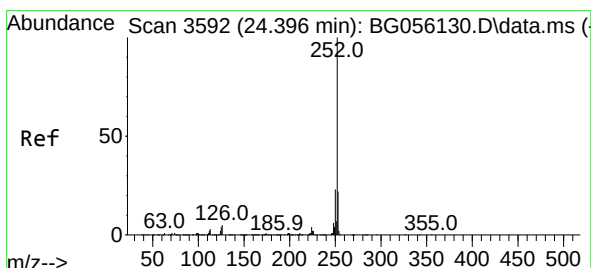
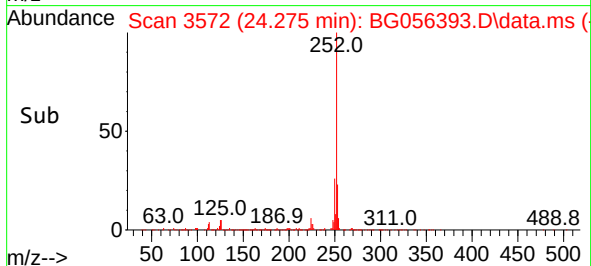
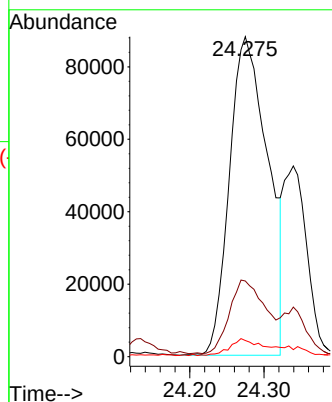
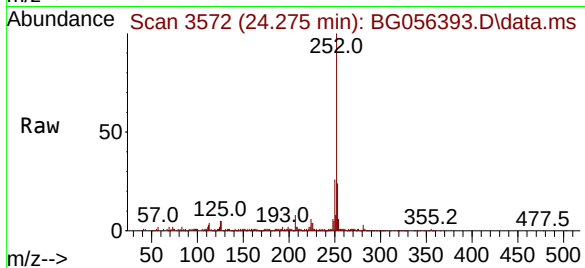
Tgt Ion:252 Resp: 316577

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 5.1 3.0 4.4#



#89

Benzo(k)fluoranthene

Concen: 13.577 ng

RT: 24.275 min Scan# 3572

Delta R.T. -0.095 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

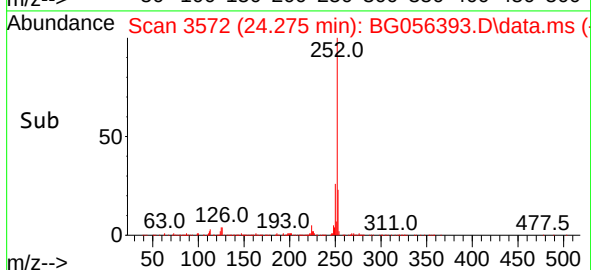
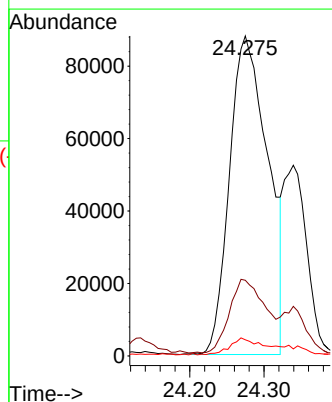
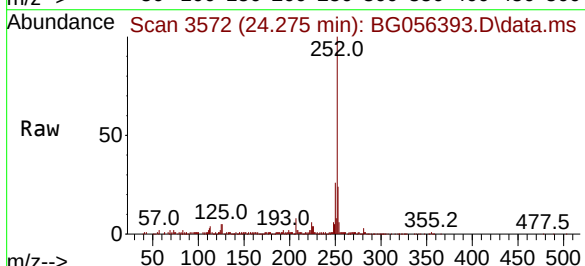
Tgt Ion:252 Resp: 316577

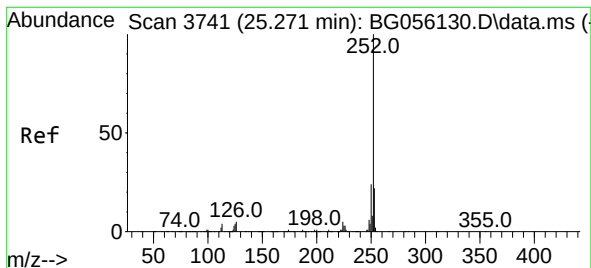
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 5.1 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 10.517 ng

RT: 25.203 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Instrument :

BNA_G

ClientSampleId :

EO-02-11923DL

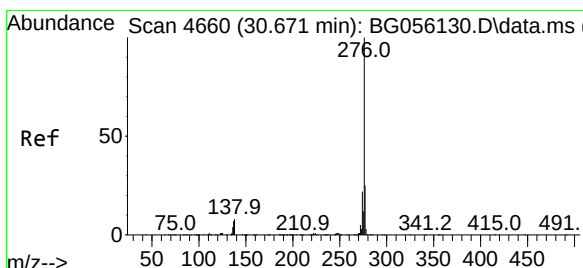
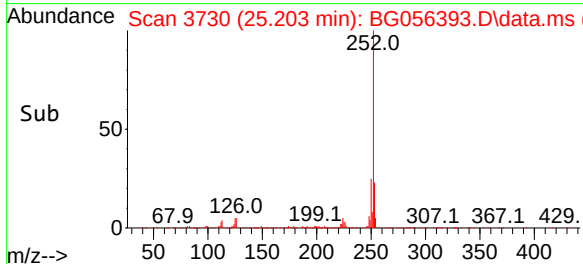
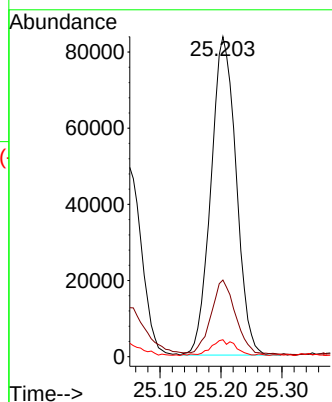
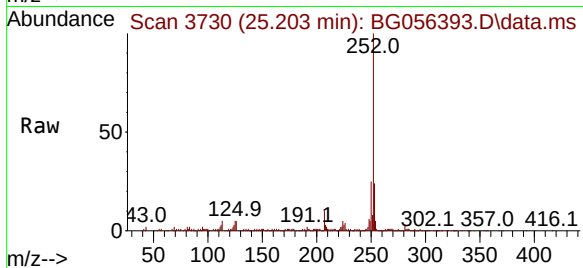
Tgt Ion:252 Resp: 240201

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 5.3 3.2 4.8#



#92

Benzo(g,h,i)perylene

Concen: 5.883 ng

RT: 30.550 min Scan# 4640

Delta R.T. -0.048 min

Lab File: BG056393.D

Acq: 23 Jan 2023 21:12

Tgt Ion:276 Resp: 128205

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 8.6 6.7 10.1

