

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081422\
 Data File : BG054639.D
 Acq On : 14 Aug 2022 19:25
 Operator : CG/JU
 Sample : N4152-03DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL

Quant Time: Aug 15 04:21:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 13 00:32:40 2022
 Response via : Initial Calibration

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

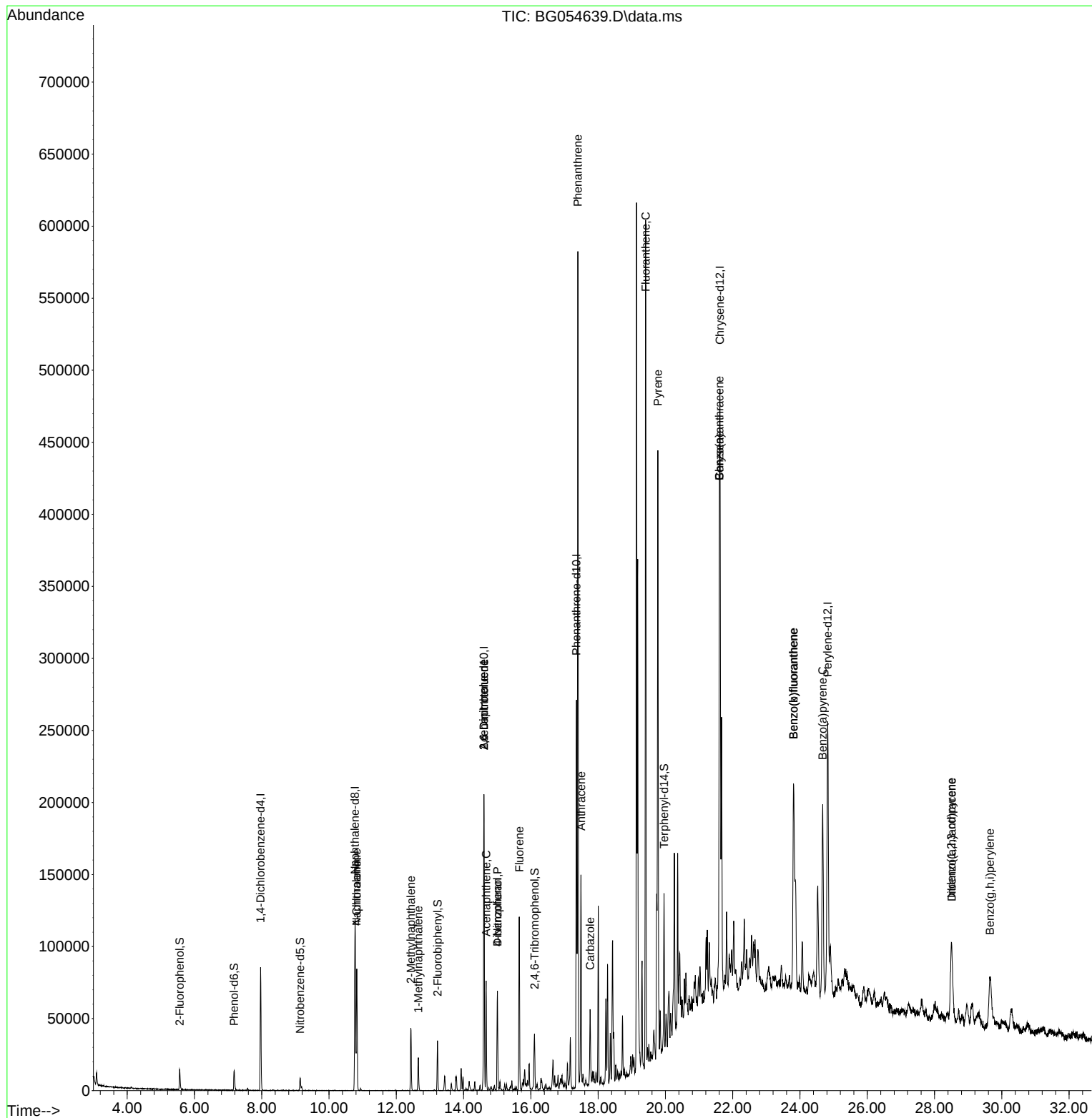
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.965	152	27383	20.000	ng	0.00
21) Naphthalene-d8	10.773	136	107098	20.000	ng	# 0.00
39) Acenaphthene-d10	14.604	164	78949	20.000	ng	0.00
64) Phenanthrene-d10	17.354	188	193221	20.000	ng	# 0.00
76) Chrysene-d12	21.620	240	213377	20.000	ng	# 0.00
86) Perylene-d12	24.822	264	229985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	7732	5.895	ng	0.00
7) Phenol-d6	7.178	99	10300	5.731	ng	0.00
23) Nitrobenzene-d5	9.140	82	6696	3.405	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	6863	4.140	ng	0.00
45) 2-Fluorobiphenyl	13.224	172	22213	3.969	ng	0.00
79) Terphenyl-d14	19.957	244	46404	4.314	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.820	128	75878	14.114	ng	98
33) 4-Chloroaniline	10.820	127	10099	4.619	ng	# 37
37) 2-Methylnaphthalene	12.430	142	23027	5.578	ng	92
38) 1-Methylnaphthalene	12.654	142	12571	3.125	ng	95
51) 2,6-Dinitrotoluene	14.604	165	11678	8.634	ng	# 17
52) Acenaphthene	14.669	154	29090	7.152	ng	97
55) Dibenzofuran	15.004	168	49241	6.804	ng	98
56) 4-Nitrophenol	15.004	139	16811	22.274	ng	# 1
57) 2,4-Dinitrotoluene	14.604	165	11678	6.023	ng	# 23
58) Fluorene	15.656	166	61701	10.370	ng	91
71) Phenanthrene	17.395	178	396043	41.159	ng	97
72) Anthracene	17.489	178	108793	11.522	ng	97
73) Carbazole	17.765	167	37154	4.779	ng	# 95
75) Fluoranthene	19.410	202	406377	30.981	ng	96
78) Pyrene	19.775	202	317027	25.894	ng	96
81) Benzo(a)anthracene	21.602	228	201329	14.864	ng	99
83) Chrysene	21.602	228	201329	15.733	ng	96
87) Indeno(1,2,3-cd)pyrene	28.500	276	99096	5.664	ng	# 98
88) Benzo(b)fluoranthene	23.805	252	208479	15.328	ng	98
89) Benzo(k)fluoranthene	23.805	252	208479	15.402	ng	99
90) Benzo(a)pyrene	24.675	252	156632	13.485	ng	97
91) Dibenzo(a,h)anthracene	28.511	278	28865	2.006	ng	# 90
92) Benzo(g,h,i)perylene	29.651	276	90496	6.373	ng	# 92

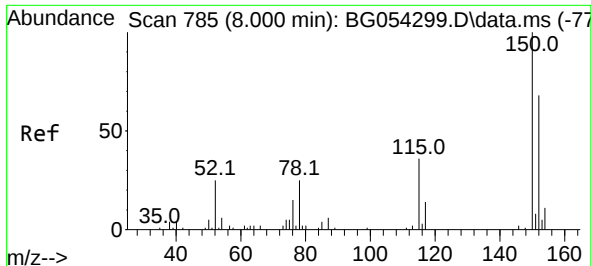
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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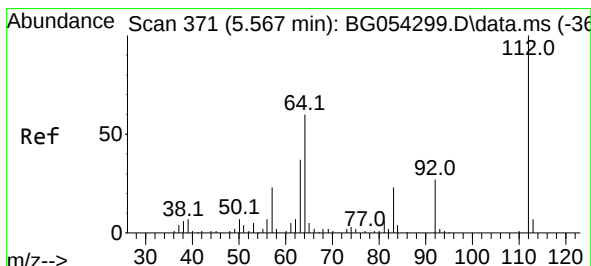
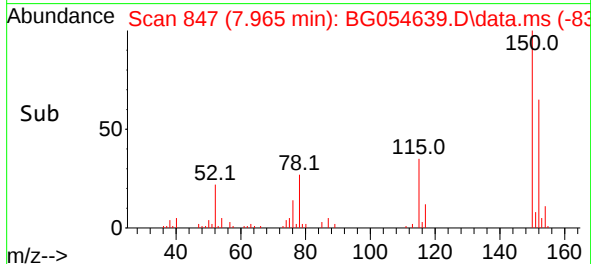
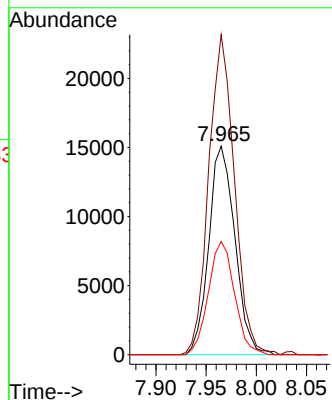
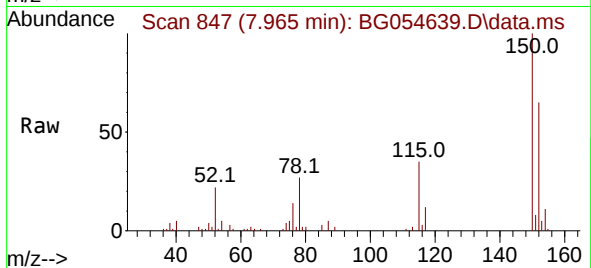




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.965 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

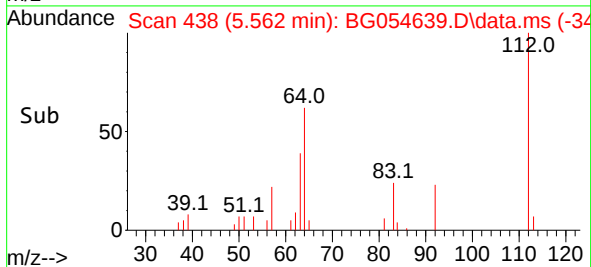
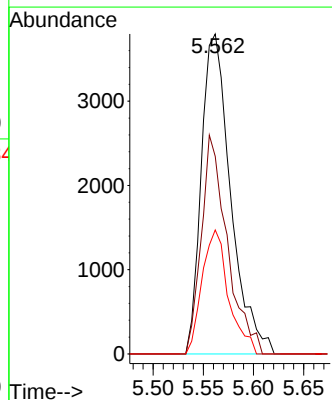
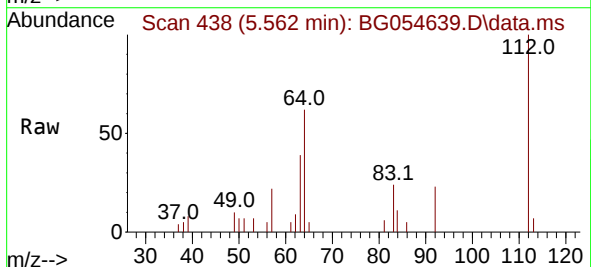
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

Tgt Ion:152 Resp: 27383
Ion Ratio Lower Upper
152 100
150 153.5 131.6 197.4
115 54.3 50.9 76.3



#5
2-Fluorophenol
Concen: 5.895 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:112 Resp: 7732
Ion Ratio Lower Upper
112 100
64 61.7 55.1 82.7
63 38.8 30.4 45.6

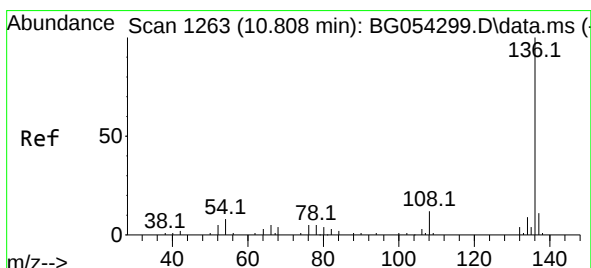
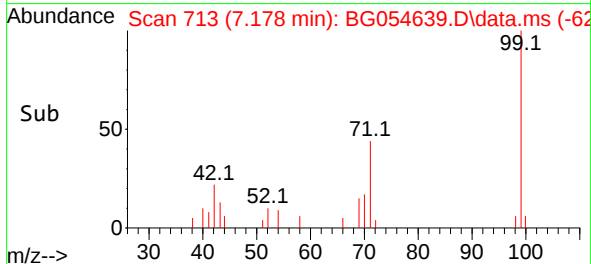
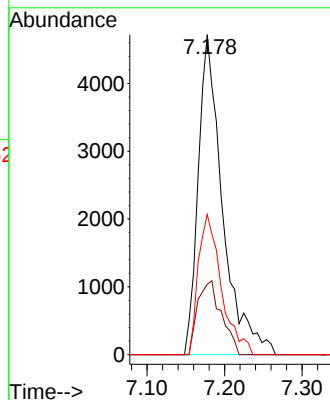
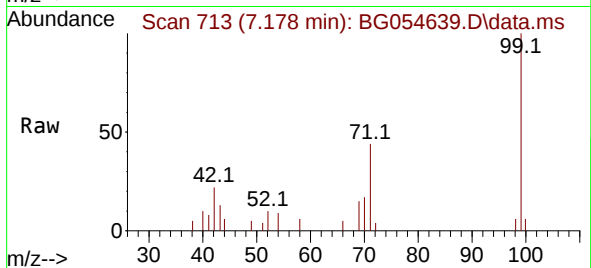




#7
Phenol-d6
Concen: 5.731 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

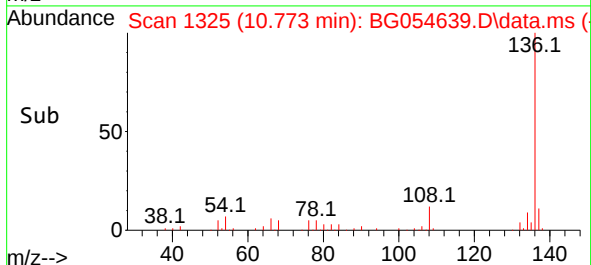
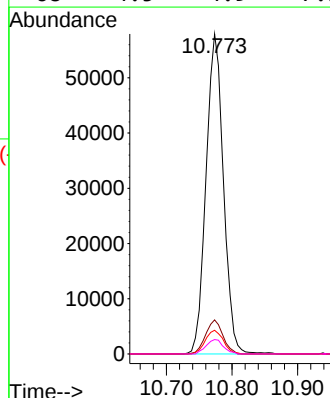
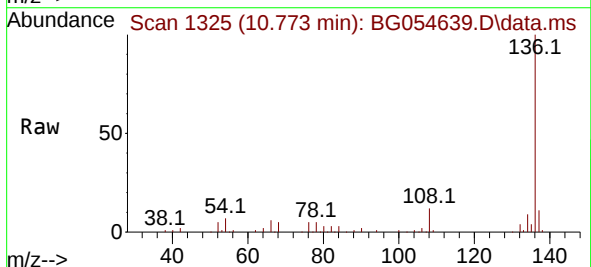
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

Tgt Ion: 99 Resp: 10300
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.8 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.773 min Scan# 1325
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion: 136 Resp: 107098
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.4 7.4 11.2#
68 4.5 4.9 7.3#

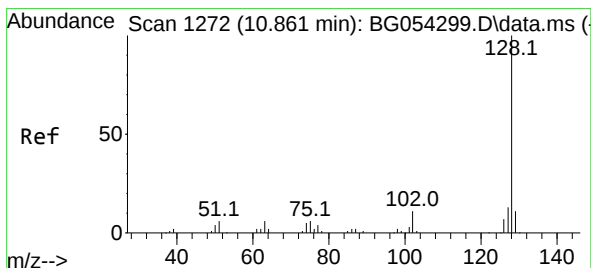
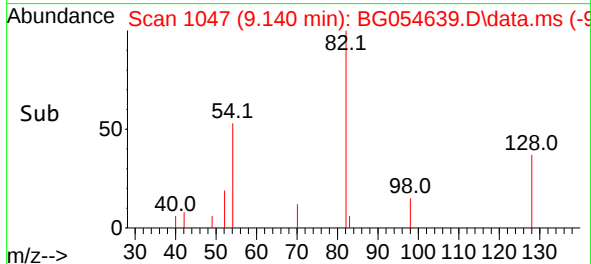
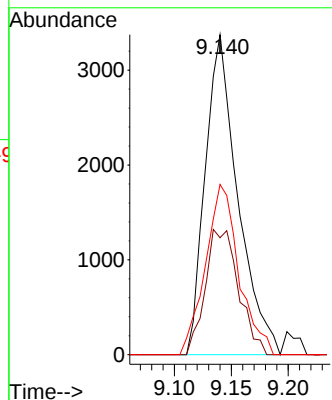
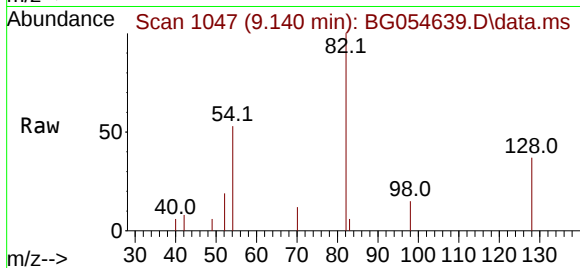




#23
 Nitrobenzene-d5
 Concen: 3.405 ng
 RT: 9.140 min Scan# 1047
 Delta R.T. 0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

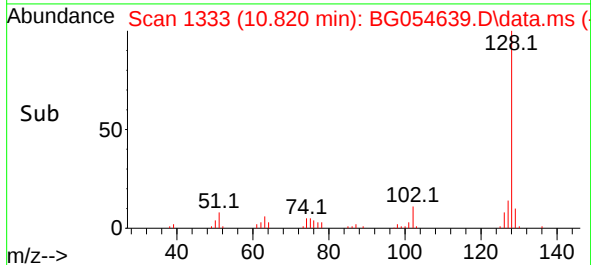
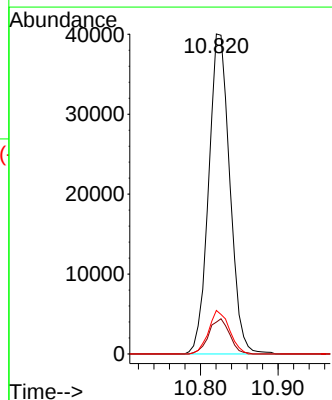
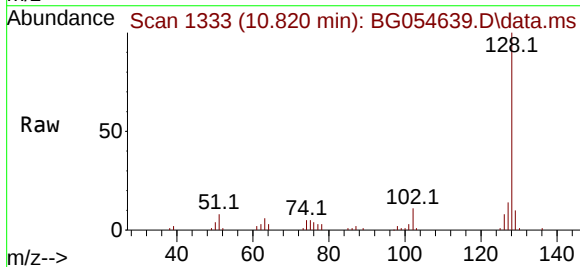
Instrument :
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 ClientSampleId :
 EO-03-081022DL

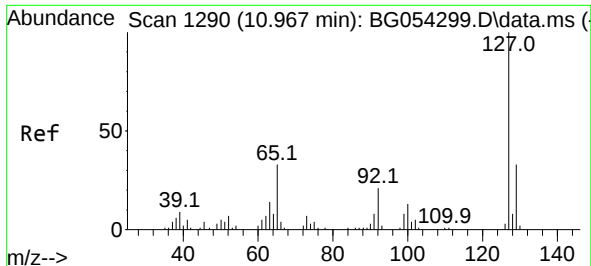
Tgt Ion: 82 Resp: 6696
 Ion Ratio Lower Upper
 82 100
 128 36.5 27.9 41.9
 54 53.2 41.2 61.8



#31
 Naphthalene
 Concen: 14.114 ng
 RT: 10.820 min Scan# 1333
 Delta R.T. -0.009 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

Tgt Ion: 128 Resp: 75878
 Ion Ratio Lower Upper
 128 100
 129 10.0 9.0 13.6
 127 13.6 11.1 16.7

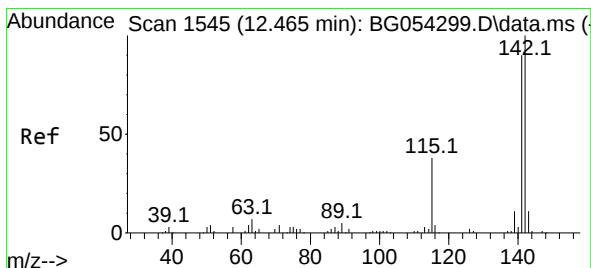
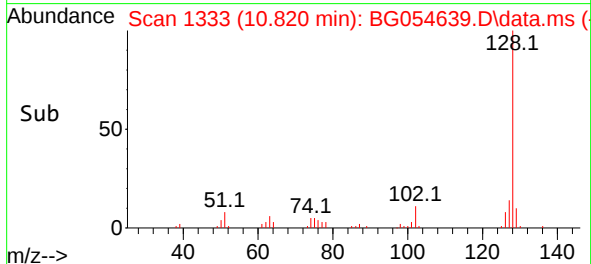
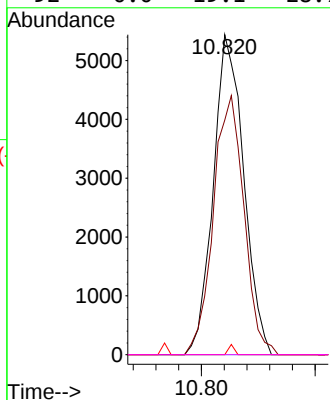
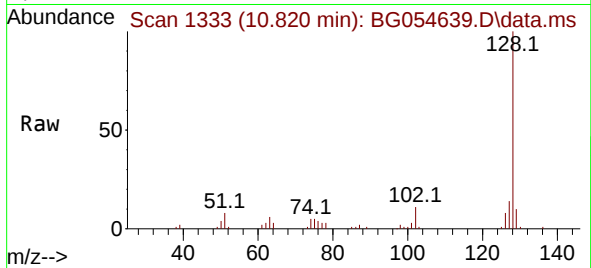




#33
4-Chloroaniline
Concen: 4.619 ng
RT: 10.820 min Scan# 11
Delta R.T. -0.126 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

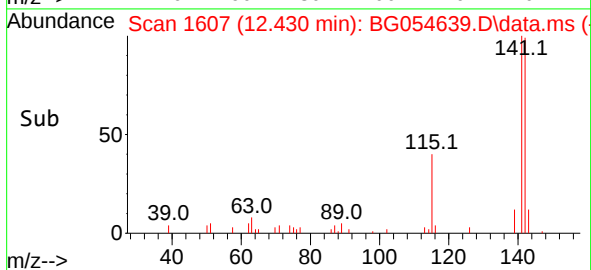
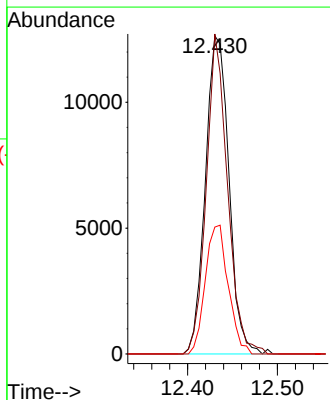
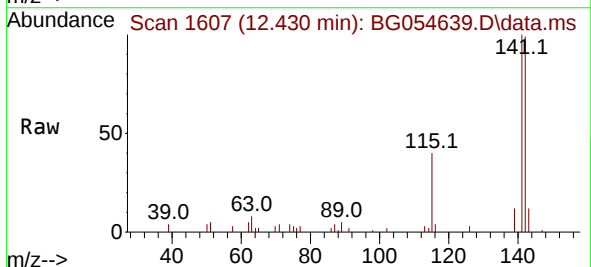
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

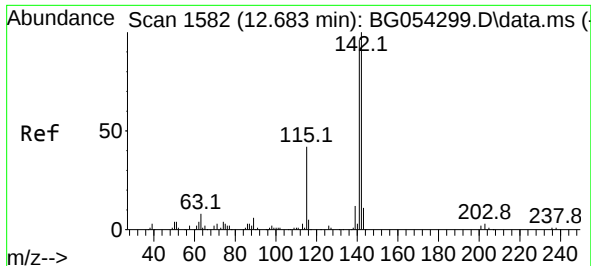
Tgt Ion:127	Resp:	10099
Ion	Ratio	Lower Upper
127	100	
129	73.3	26.3 39.5#
65	0.0	31.1 46.7#
92	0.0	19.1 28.7#



#37
2-Methylnaphthalene
Concen: 5.578 ng
RT: 12.430 min Scan# 1607
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:142	Resp:	23027
Ion	Ratio	Lower Upper
142	100	
141	100.6	72.3 108.5
115	39.9	33.7 50.5

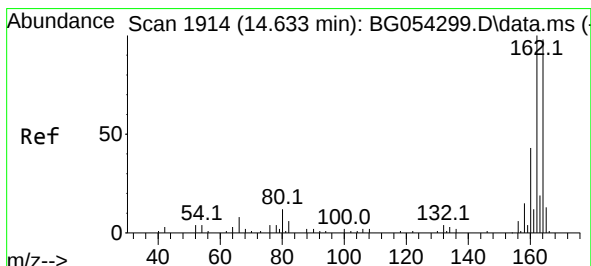
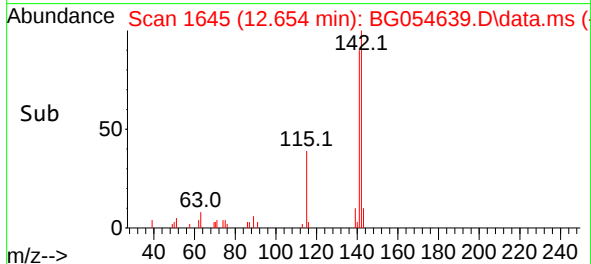
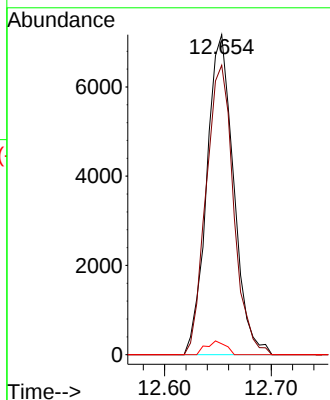
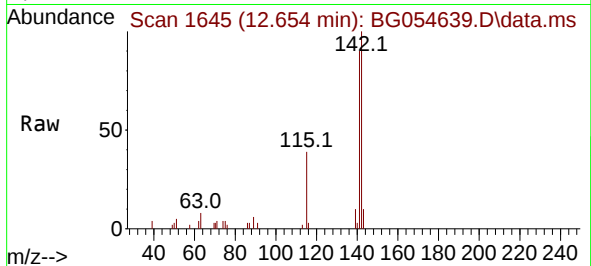




#38
1-Methylnaphthalene
Concen: 3.125 ng
RT: 12.654 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

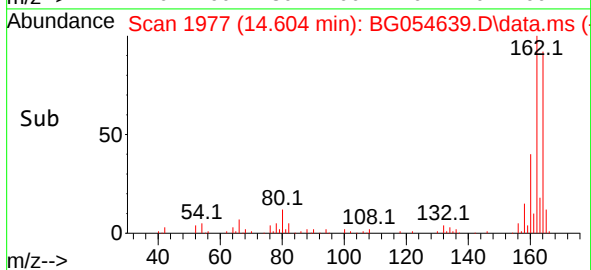
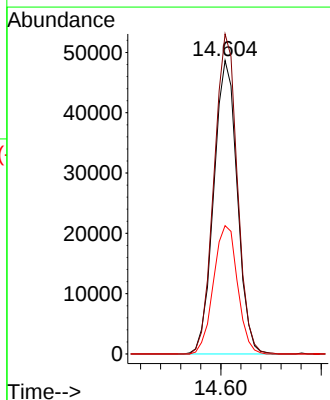
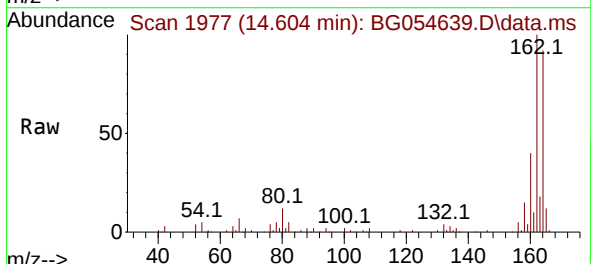
Instrument :
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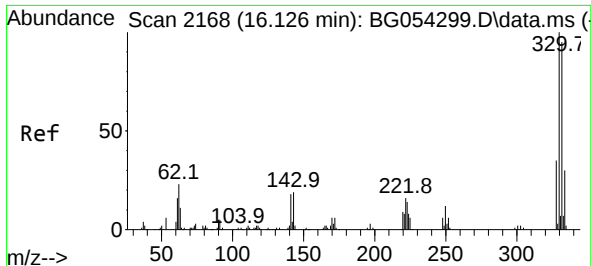
Tgt Ion:142 Resp: 12571
Ion Ratio Lower Upper
142 100
141 90.4 76.4 114.6
116 3.4 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:164 Resp: 78949
Ion Ratio Lower Upper
164 100
162 109.1 82.3 123.5
160 43.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 4.140 ng

RT: 16.108 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG054639.D

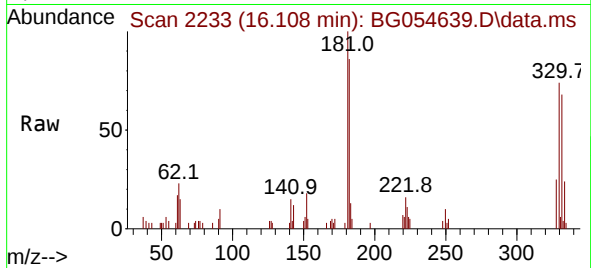
Acq: 14 Aug 2022 19:25

Instrument :

BNA_G

ClientSampleId :

EO-03-081022DL



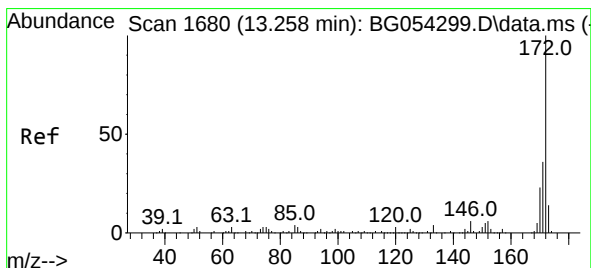
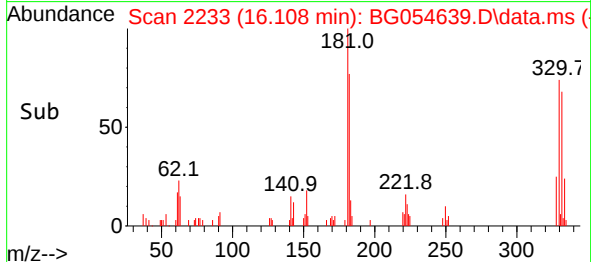
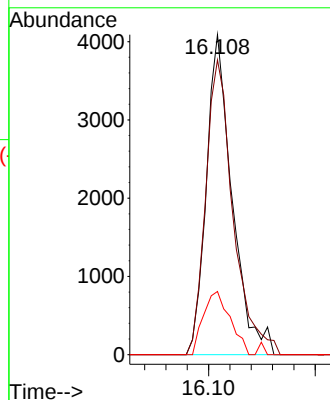
Tgt Ion:330 Resp: 6863

Ion Ratio Lower Upper

330 100

332 98.3 76.0 114.0

141 20.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 3.969 ng

RT: 13.224 min Scan# 1742

Delta R.T. -0.003 min

Lab File: BG054639.D

Acq: 14 Aug 2022 19:25

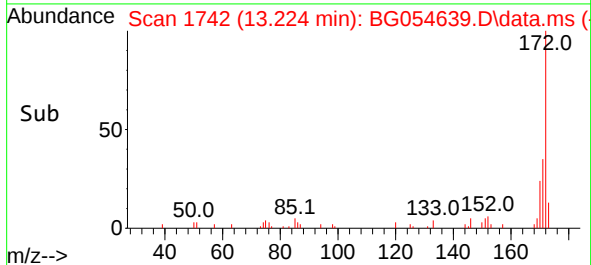
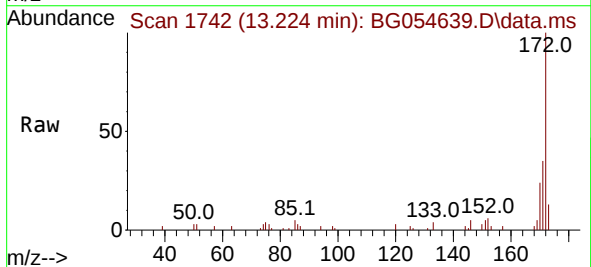
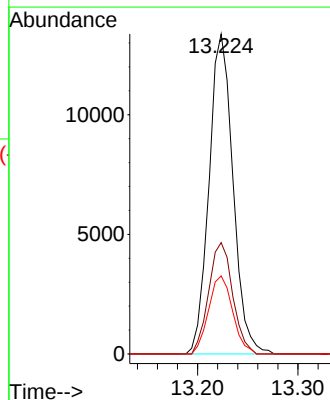
Tgt Ion:172 Resp: 22213

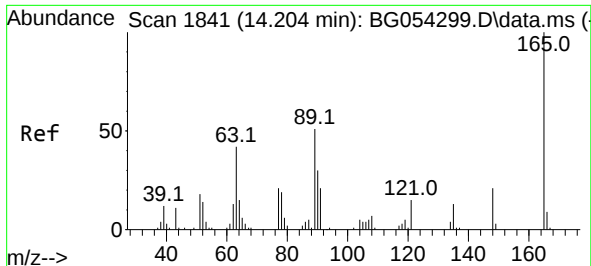
Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

170 24.4 18.9 28.3

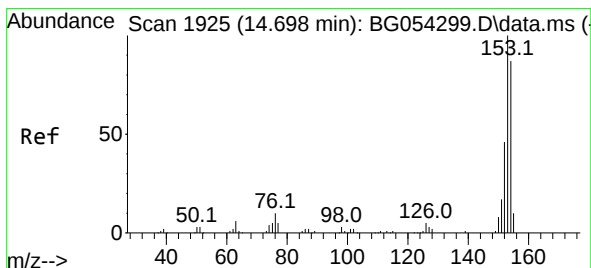
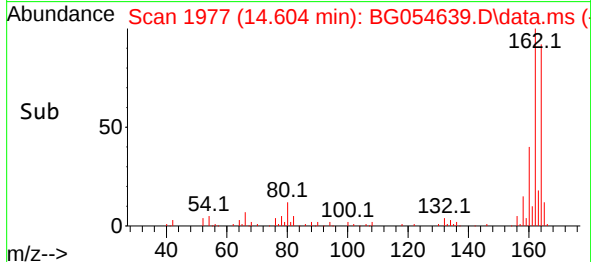
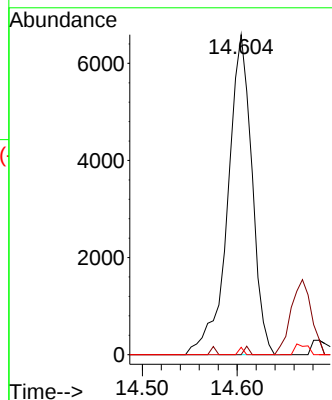
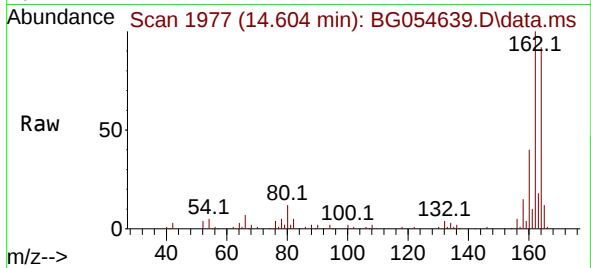




#51
2,6-Dinitrotoluene
Concen: 8.634 ng
RT: 14.604 min Scan# 1977
Delta R.T. 0.414 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

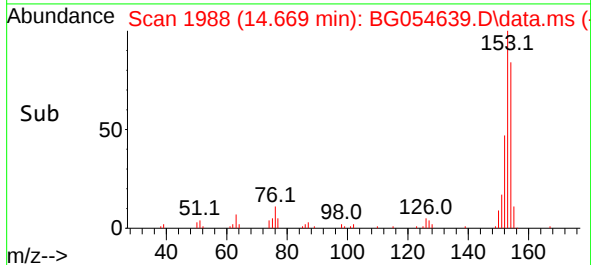
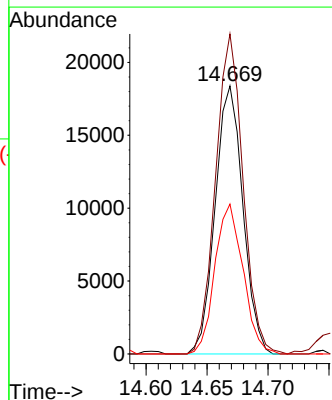
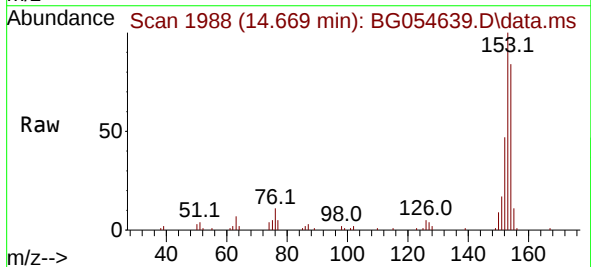
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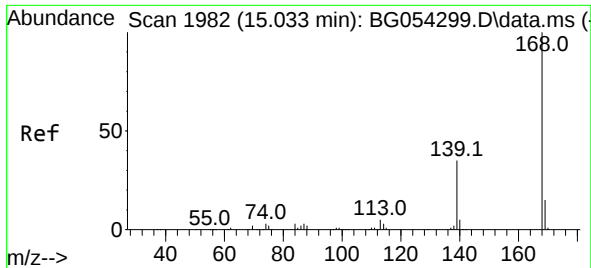
Tgt Ion:165 Resp: 11678
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.3 54.8 82.2#



#52
Acenaphthene
Concen: 7.152 ng
RT: 14.669 min Scan# 1988
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:154 Resp: 29090
Ion Ratio Lower Upper
154 100
153 119.4 92.7 139.1
152 55.9 42.6 64.0

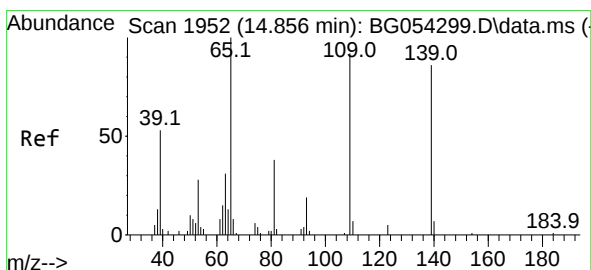
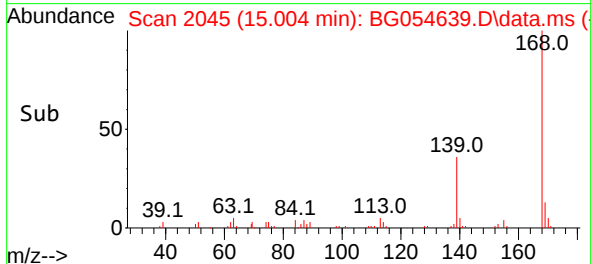
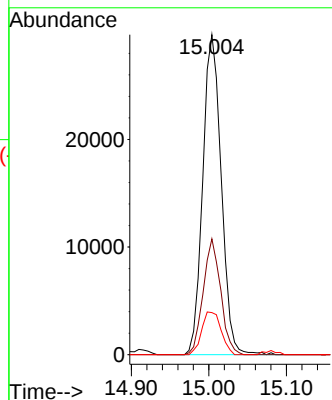
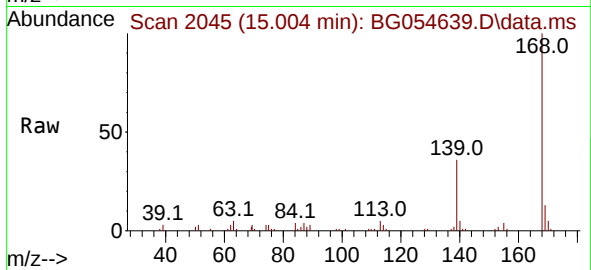




#55
Dibenzenofuran
Concen: 6.804 ng
RT: 15.004 min Scan# 2045
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

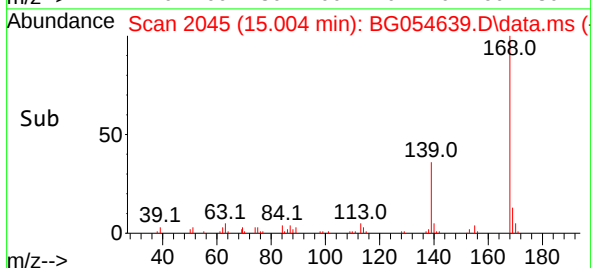
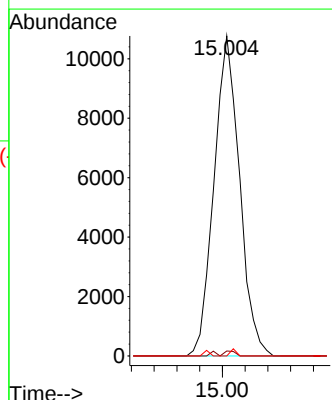
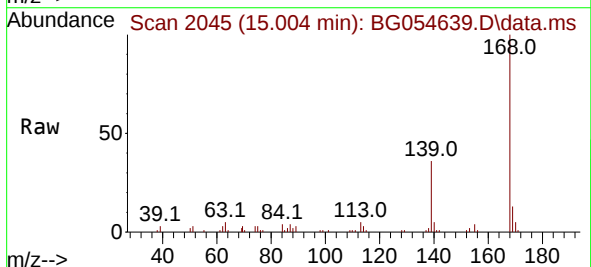
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

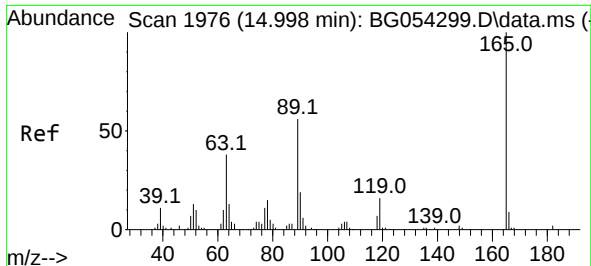
Tgt Ion:168 Resp: 49241
Ion Ratio Lower Upper
168 100
139 36.2 30.5 45.7
169 13.1 10.3 15.5



#56
4-Nitrophenol
Concen: 22.274 ng
RT: 15.004 min Scan# 2045
Delta R.T. 0.103 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:139 Resp: 16811
Ion Ratio Lower Upper
139 100
109 1.6 88.5 128.5#
65 0.0 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 6.023 ng

RT: 14.604 min Scan# 11

Delta R.T. -0.391 min

Lab File: BG054639.D

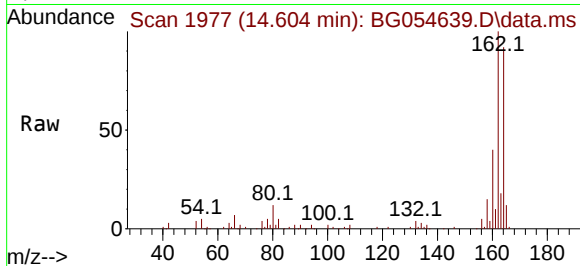
Acq: 14 Aug 2022 19:25

Instrument :

BNA_G

ClientSampleId :

EO-03-081022DL



Tgt Ion:165 Resp: 11678

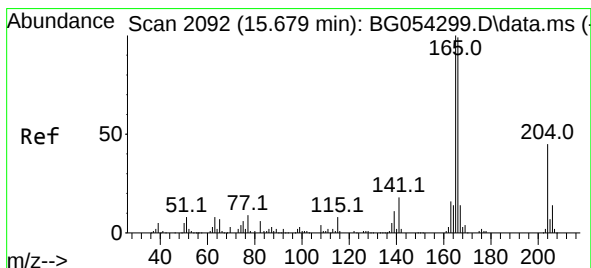
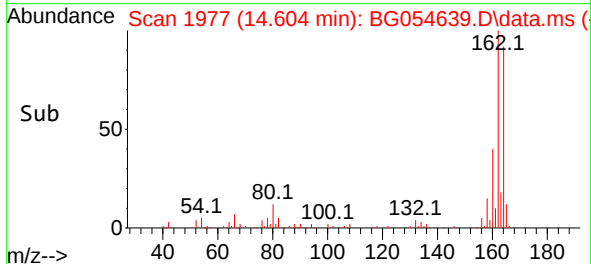
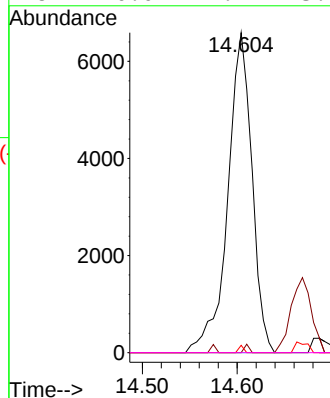
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 2.3 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 10.370 ng

RT: 15.656 min Scan# 2156

Delta R.T. -0.003 min

Lab File: BG054639.D

Acq: 14 Aug 2022 19:25

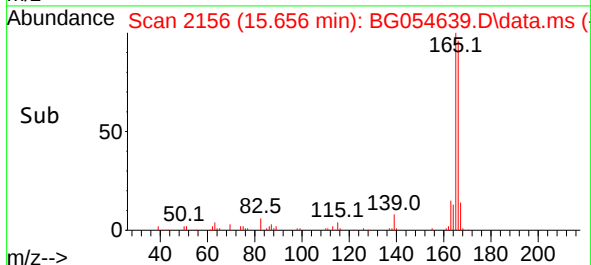
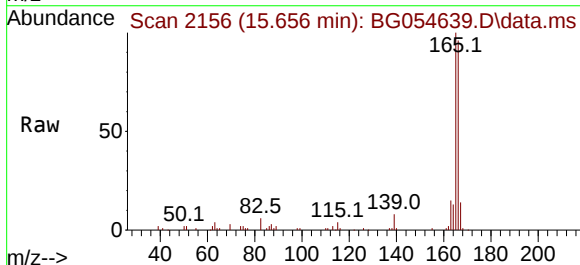
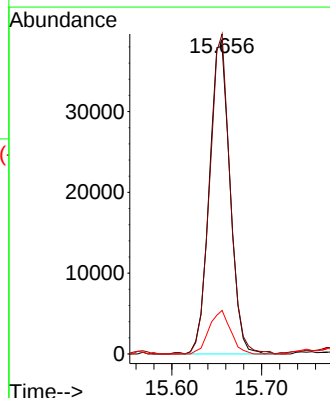
Tgt Ion:166 Resp: 61701

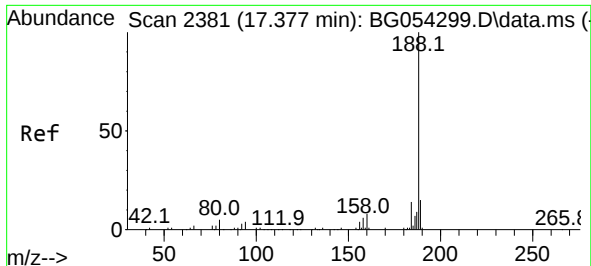
Ion Ratio Lower Upper

166 100

165 104.0 75.0 112.6

167 14.2 10.8 16.2

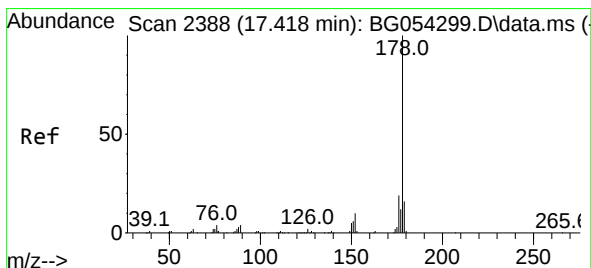
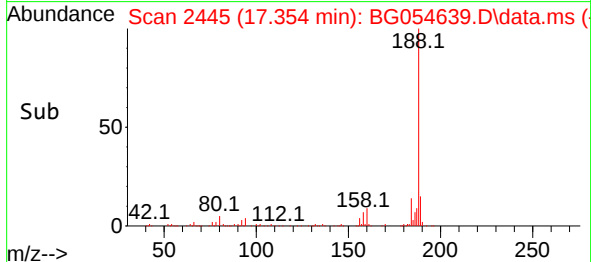
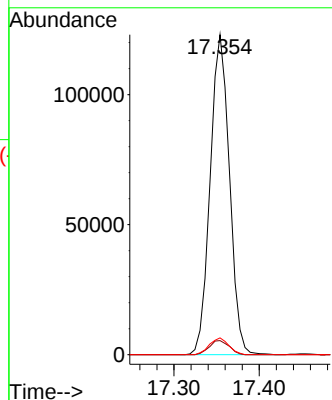
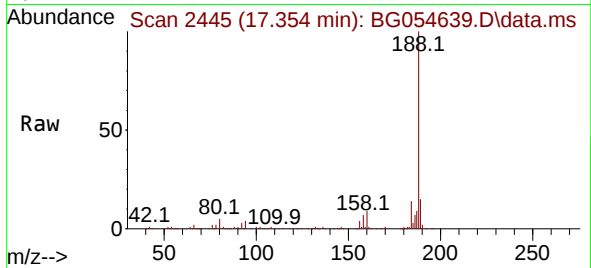




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

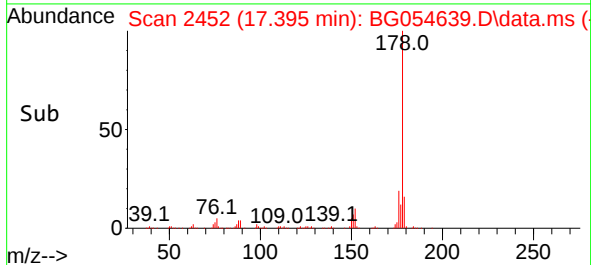
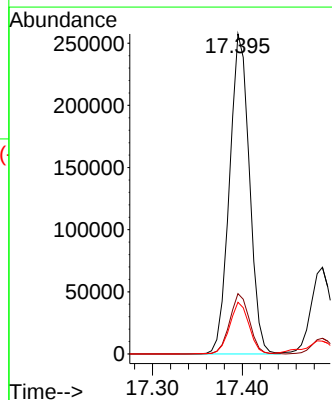
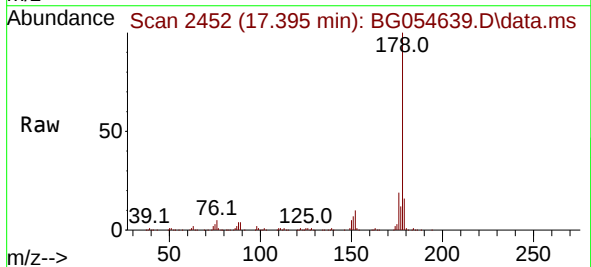
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

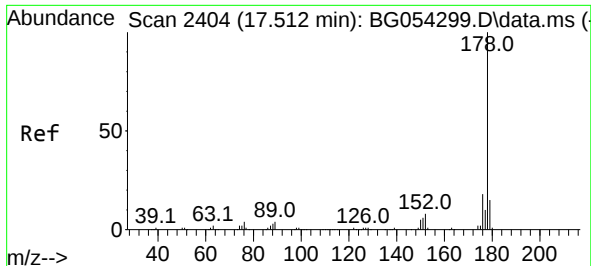
Tgt Ion:188 Resp: 193221
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.3 6.8 10.2#



#71
Phenanthrene
Concen: 41.159 ng
RT: 17.395 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:178 Resp: 396043
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 16.2 12.1 18.1

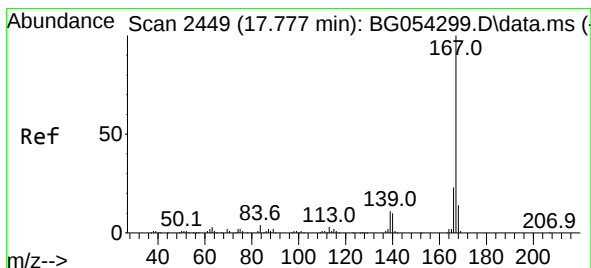
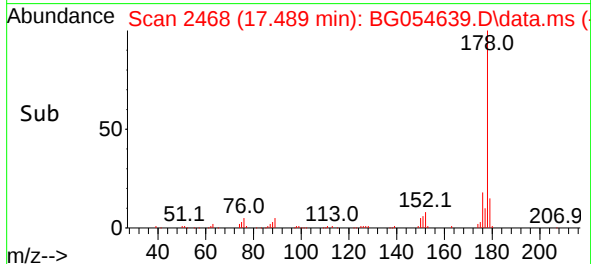
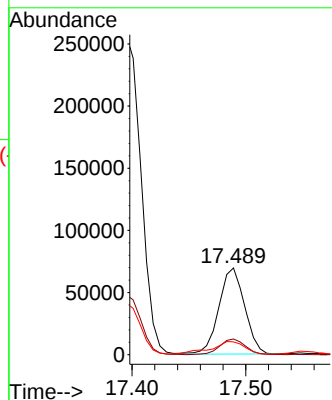
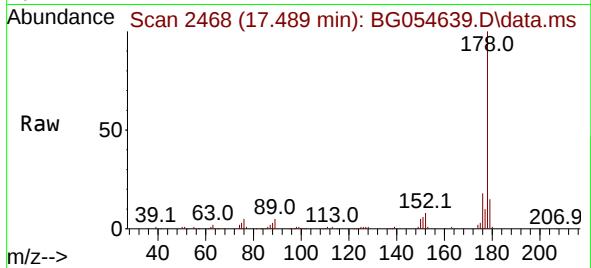




#72
 Anthracene
 Concen: 11.522 ng
 RT: 17.489 min Scan# 2404
 Delta R.T. -0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

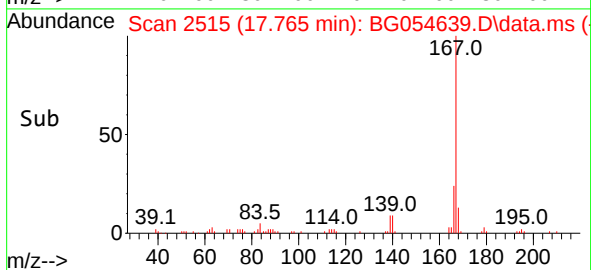
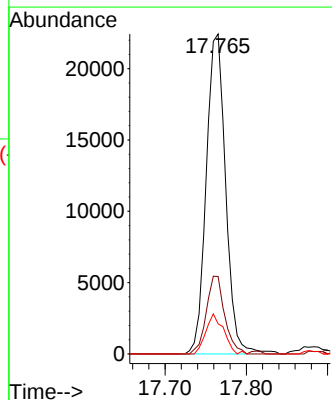
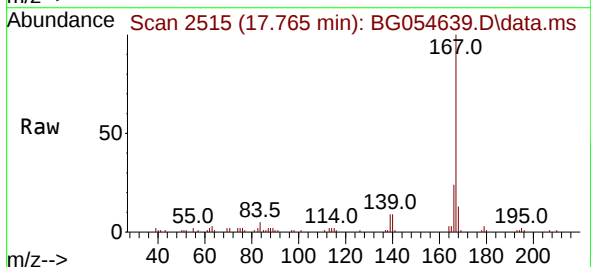
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL

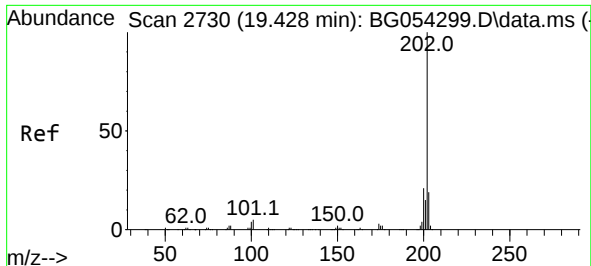
Tgt Ion:178 Resp: 108793
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.2 22.8
 179 14.8 13.0 19.4



#73
 Carbazole
 Concen: 4.779 ng
 RT: 17.765 min Scan# 2515
 Delta R.T. -0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

Tgt Ion:167 Resp: 37154
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 9.4 10.1 15.1#

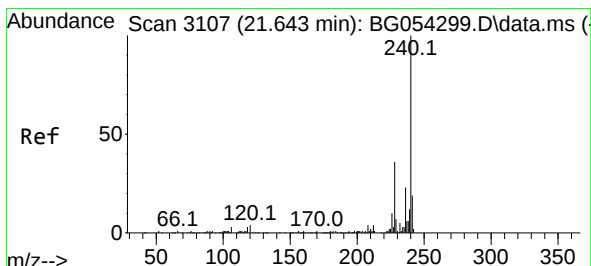
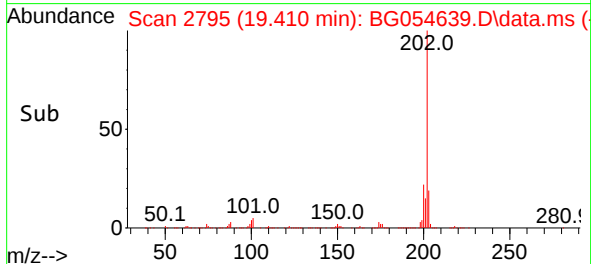
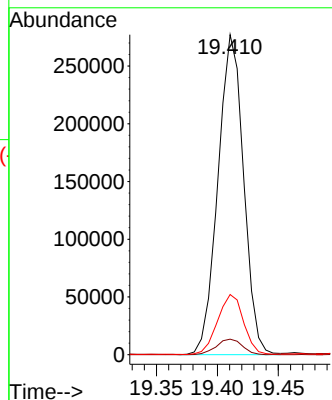
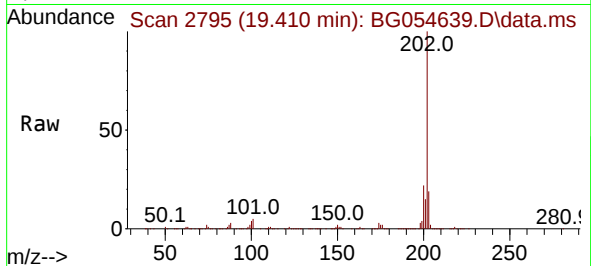




#75
Fluoranthene
Concen: 30.981 ng
RT: 19.410 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

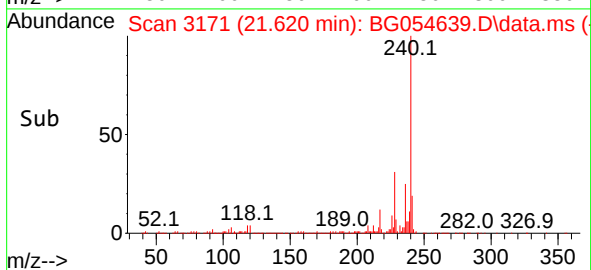
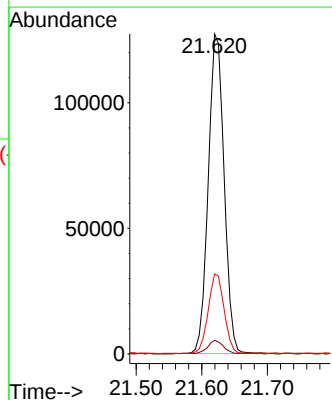
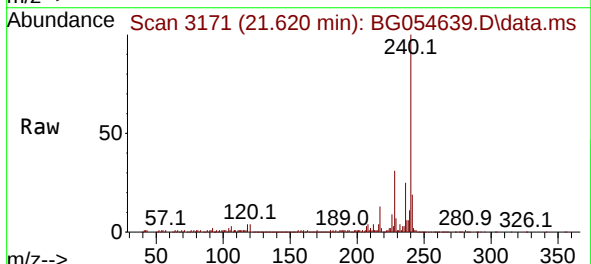
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

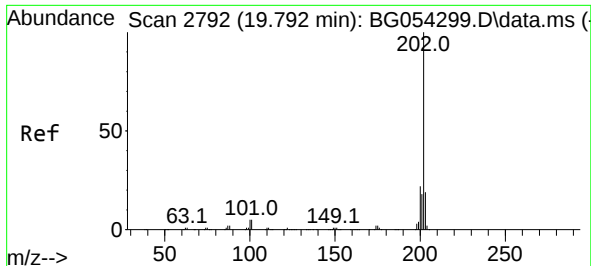
Tgt Ion:202 Resp: 406377
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.620 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:240 Resp: 213377
Ion Ratio Lower Upper
240 100
120 4.3 4.6 7.0#
236 25.0 20.2 30.4

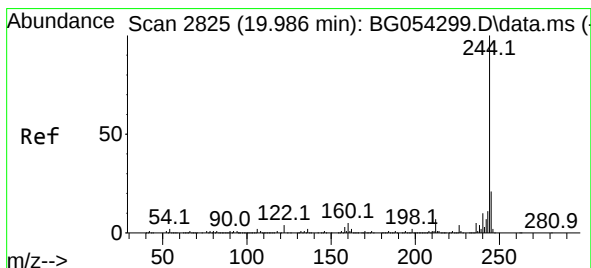
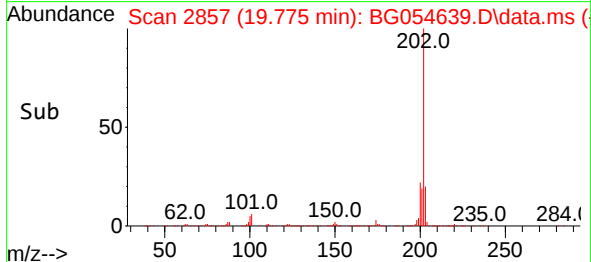
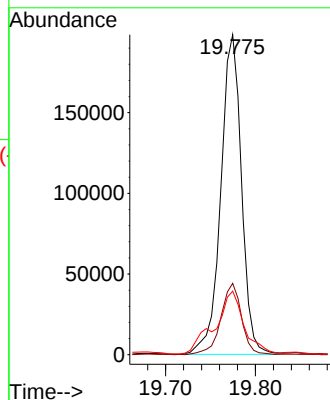
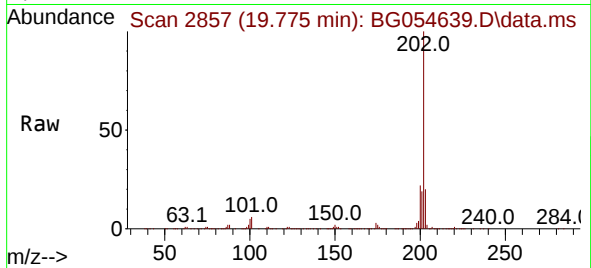




#78
Pyrene
Concen: 25.894 ng
RT: 19.775 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

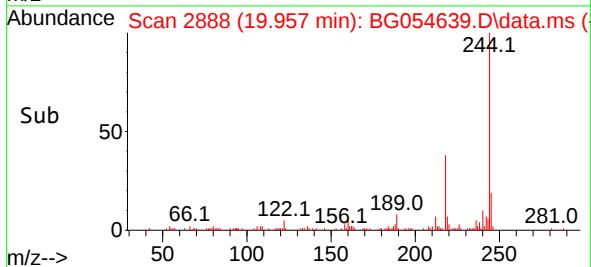
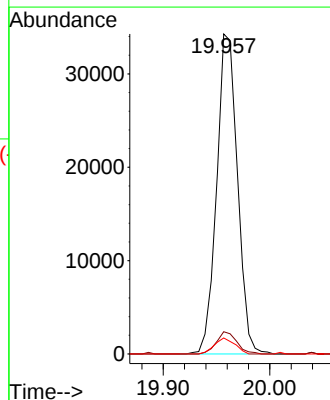
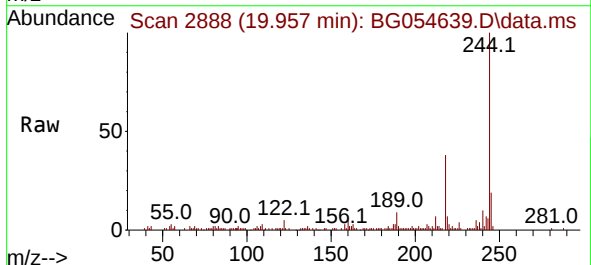
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

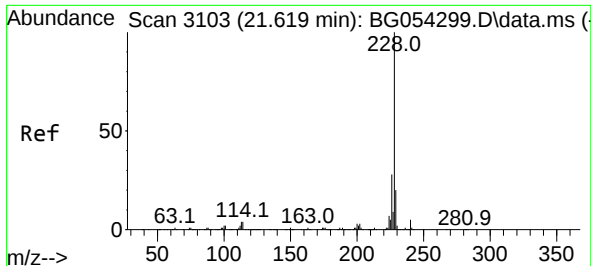
Tgt Ion:202 Resp: 317027
Ion Ratio Lower Upper
202 100
200 22.3 16.6 24.8
203 19.8 14.6 21.8



#79
Terphenyl-d14
Concen: 4.314 ng
RT: 19.957 min Scan# 2888
Delta R.T. -0.009 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:244 Resp: 46404
Ion Ratio Lower Upper
244 100
212 6.9 6.5 9.7
122 5.0 5.0 7.4

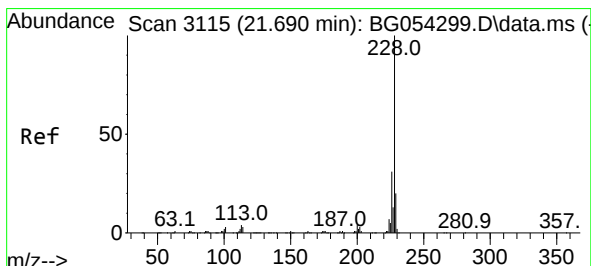
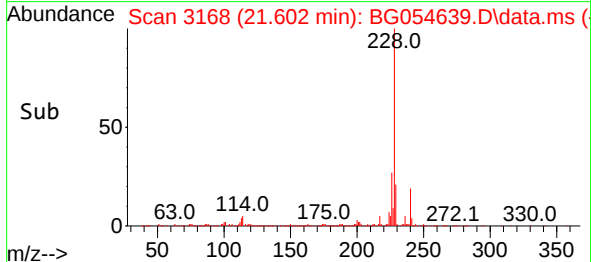
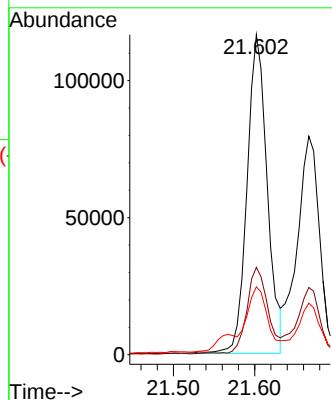
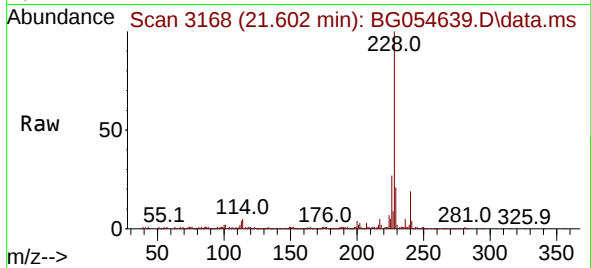




#81
Benzo(a)anthracene
Concen: 14.864 ng
RT: 21.602 min Scan# 31168
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

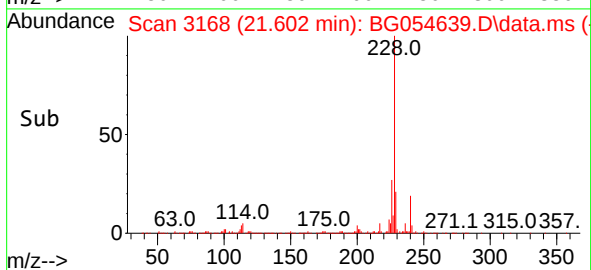
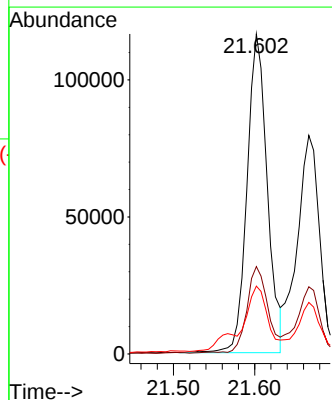
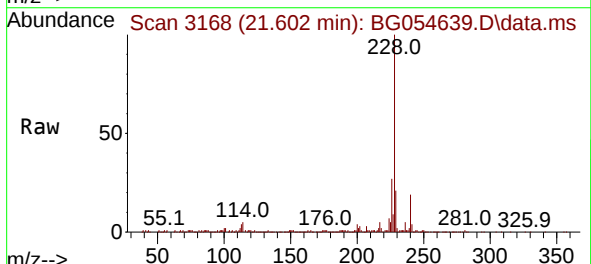
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

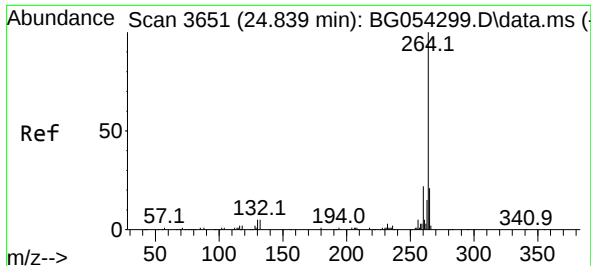
Tgt Ion:228 Resp: 201329
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 21.2 16.2 24.2



#83
Chrysene
Concen: 15.733 ng
RT: 21.602 min Scan# 3168
Delta R.T. -0.068 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:228 Resp: 201329
Ion Ratio Lower Upper
228 100
226 27.3 23.4 35.2
229 21.2 15.5 23.3

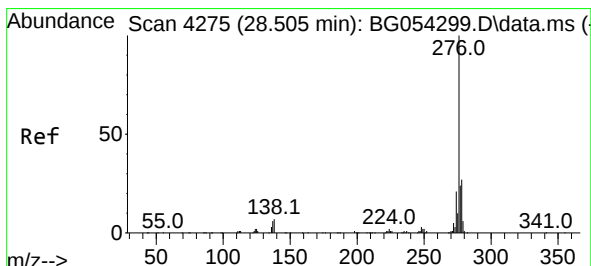
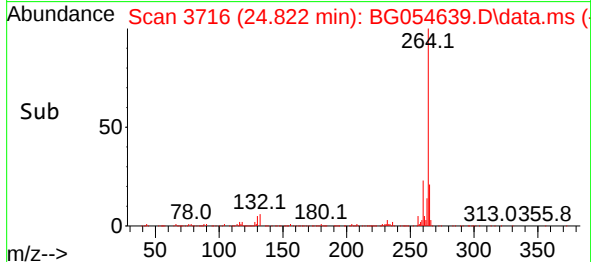
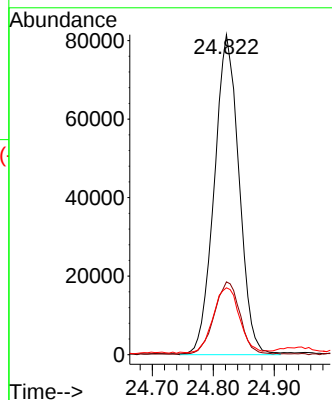
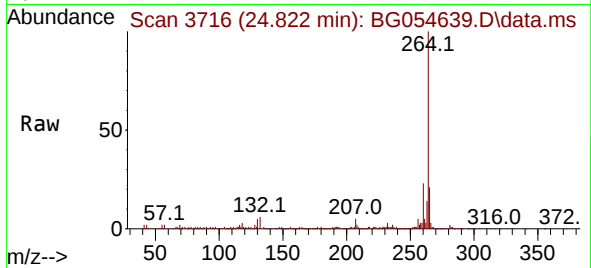




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.822 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

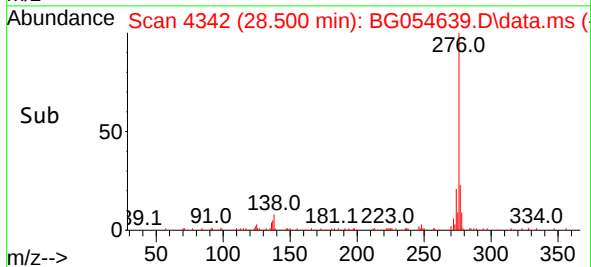
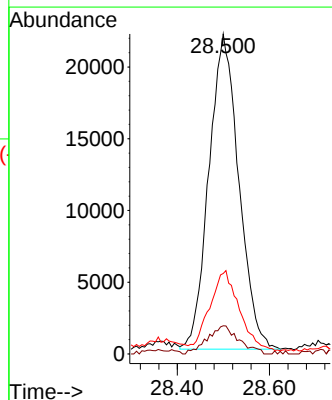
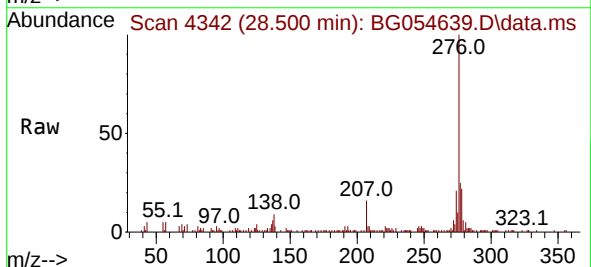
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-081022DL

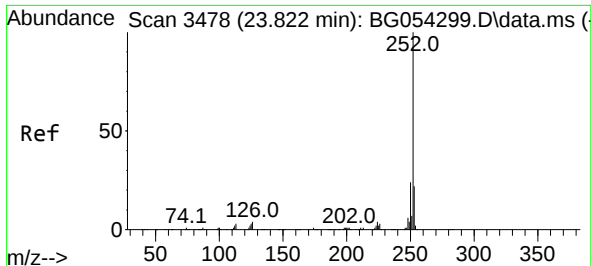
Tgt Ion:264 Resp: 229985
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.0 28.6
 265 20.9 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.664 ng
 RT: 28.500 min Scan# 4342
 Delta R.T. -0.027 min
 Lab File: BG054639.D
 Acq: 14 Aug 2022 19:25

Tgt Ion:276 Resp: 99096
 Ion Ratio Lower Upper
 276 100
 138 9.3 5.0 7.4#
 277 25.2 20.3 30.5

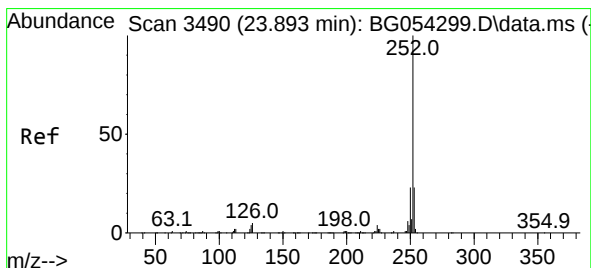
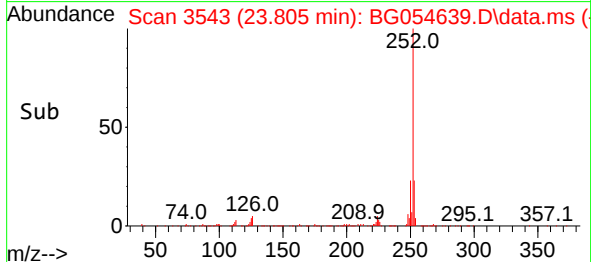
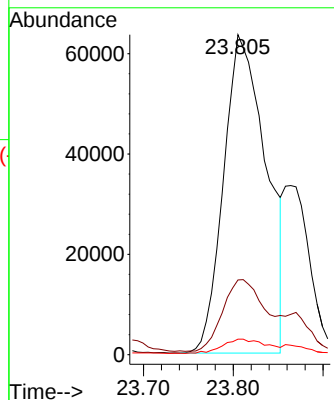
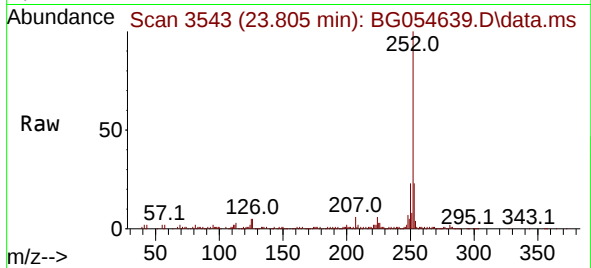




#88
Benzo(b)fluoranthene
Concen: 15.328 ng
RT: 23.805 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

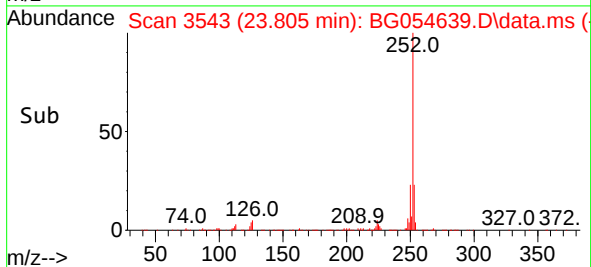
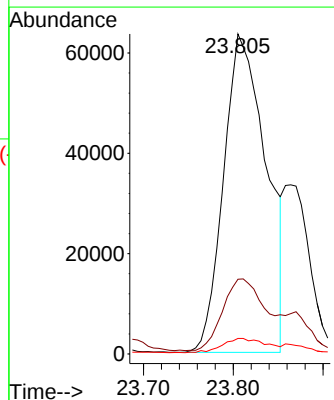
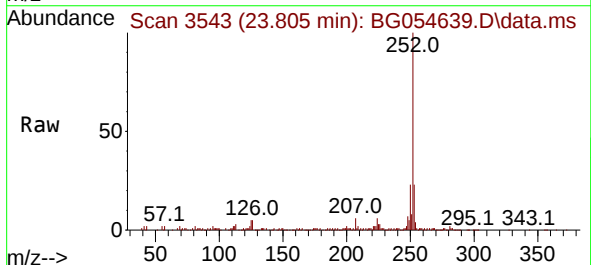
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

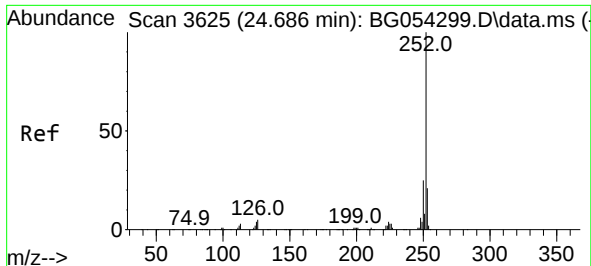
Tgt Ion:252 Resp: 208479
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 4.8 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 15.402 ng
RT: 23.805 min Scan# 3543
Delta R.T. -0.074 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:252 Resp: 208479
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 4.8 4.8 7.2

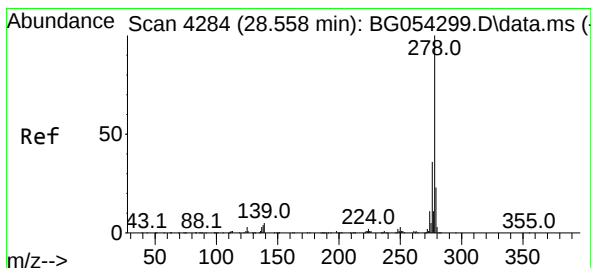
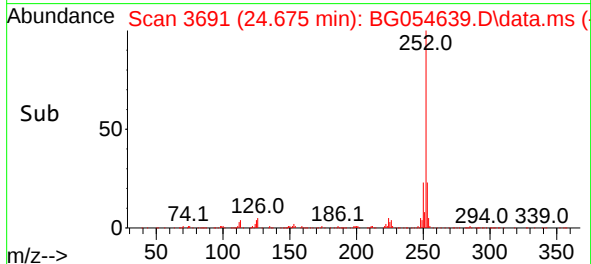
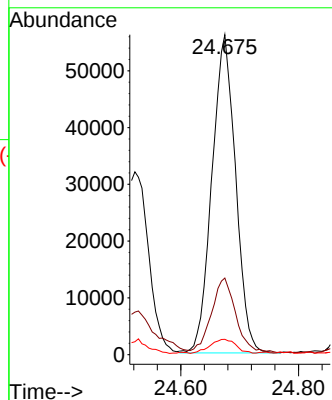
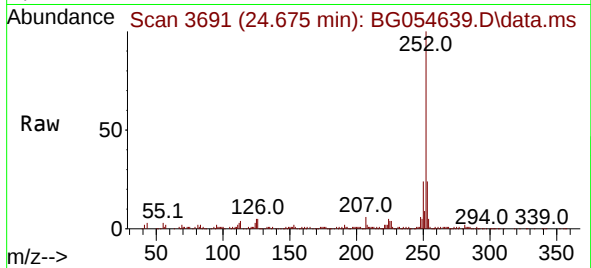




#90
Benzo(a)pyrene
Concen: 13.485 ng
RT: 24.675 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

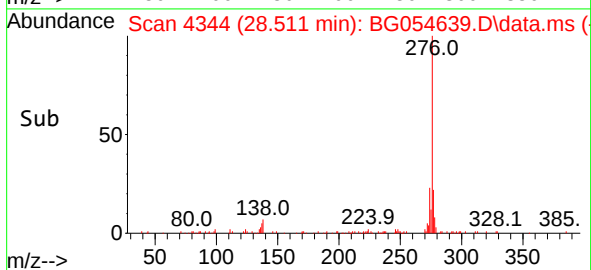
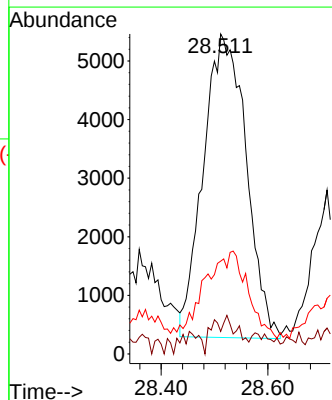
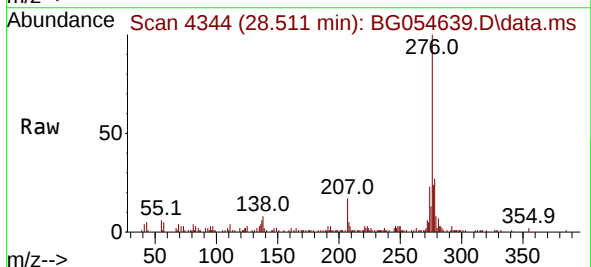
Instrument :
BNA_G
ClientSampleId :
EO-03-081022DL

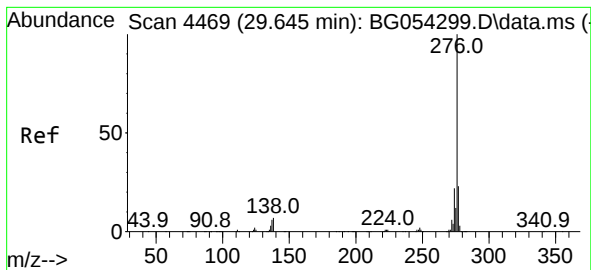
Tgt Ion:252 Resp: 156632
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 4.8 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.006 ng
RT: 28.511 min Scan# 4344
Delta R.T. -0.044 min
Lab File: BG054639.D
Acq: 14 Aug 2022 19:25

Tgt Ion:278 Resp: 28865
Ion Ratio Lower Upper
278 100
139 7.0 7.2 10.8#
279 29.0 18.6 27.8#





#92

Benzo(g,h,i)perylene

Concen: 6.373 ng

RT: 29.651 min Scan# 4

Delta R.T. -0.009 min

Lab File: BG054639.D

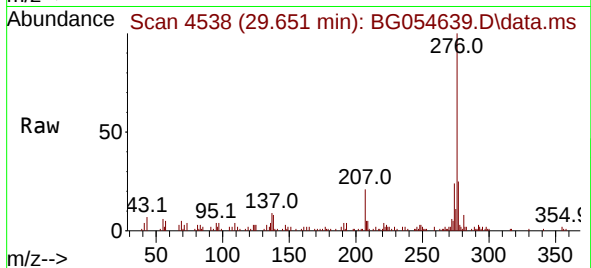
Acq: 14 Aug 2022 19:25

Instrument :

BNA_G

ClientSampleId :

EO-03-081022DL



Tgt Ion:276 Resp: 90496

Ion Ratio Lower Upper

276 100

277 24.7 17.3 25.9

138 8.2 9.6 14.4#

