

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054390.D
 Acq On : 25 Jul 2022 22:16
 Operator : CG/JU
 Sample : N3814-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

Quant Time: Jul 26 00:56:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

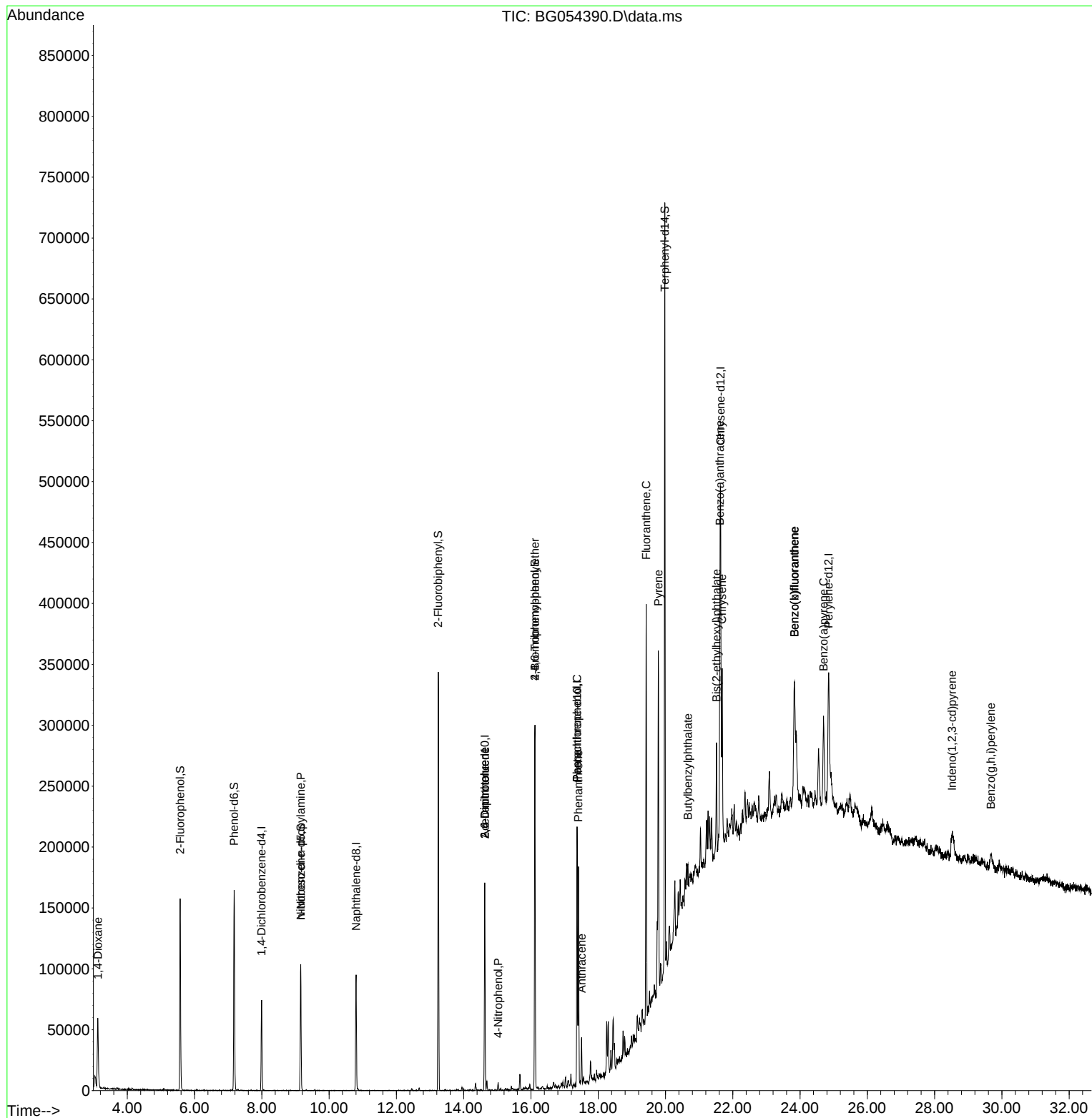
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	23872	20.000	ng	0.00
21) Naphthalene-d8	10.802	136	86828	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	62791	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	148032	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	161939	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	140434	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	73622	64.391	ng	0.00
7) Phenol-d6	7.177	99	97399	62.169	ng	0.00
23) Nitrobenzene-d5	9.157	82	64292	40.323	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	81449	61.780	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	196085	44.053	ng	-0.01
79) Terphenyl-d14	19.979	244	365087	44.724	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.129	88	971	2.135	ng	# 1
19) n-Nitroso-di-n-propyla...	9.157	70	9036	8.637	ng	# 78
51) 2,6-Dinitrotoluene	14.627	165	9071	8.432	ng	# 16
56) 4-Nitrophenol	15.026	139	1532	2.552	ng	# 1
57) 2,4-Dinitrotoluene	14.627	165	9071	5.882	ng	# 21
67) 4-Bromophenyl-phenylether	16.119	248	4733	2.277	ng	# 1
70) Pentachlorophenol	17.371	266	54	3.831	ng	# 16
71) Phenanthrene	17.412	178	124599	16.902	ng	98
72) Anthracene	17.506	178	28639	3.959	ng	99
75) Fluoranthene	19.427	202	242175	24.099	ng	95
78) Pyrene	19.785	202	204011	21.956	ng	99
80) Butylbenzylphthalate	20.667	149	6947	2.399	ng	# 83
81) Benzo(a)anthracene	21.619	228	140136	13.632	ng	99
83) Chrysene	21.683	228	121896	12.551	ng	95
84) Bis(2-ethylhexyl)phtha...	21.519	149	40974	10.000	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.516	276	47040	4.403	ng	# 90
88) Benzo(b)fluoranthene	23.834	252	147395	17.748	ng	# 92
89) Benzo(k)fluoranthene	23.834	252	147395	17.833	ng	92
90) Benzo(a)pyrene	24.697	252	97473	13.743	ng	94
92) Benzo(g,h,i)perylene	29.674	276	38382	4.427	ng	# 87

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

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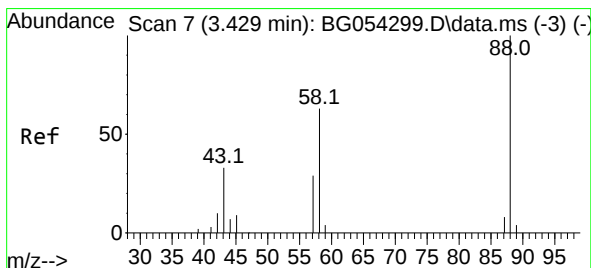
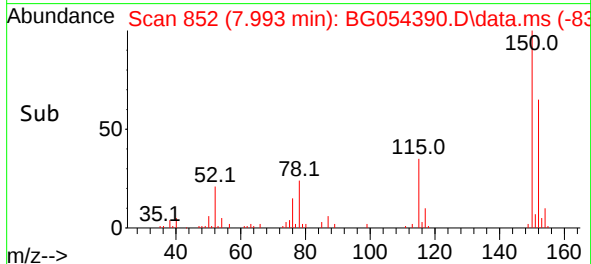
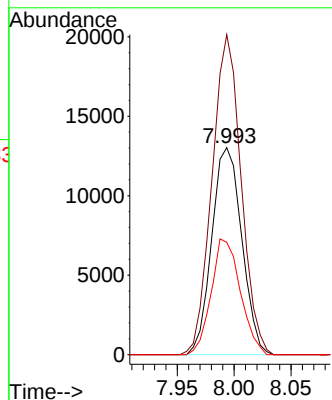
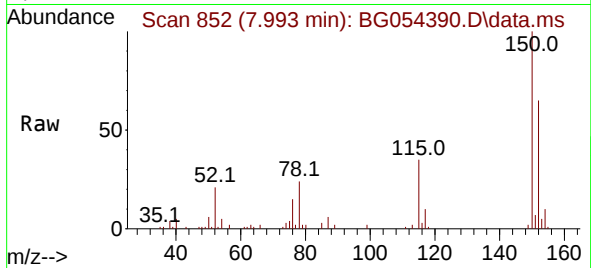




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

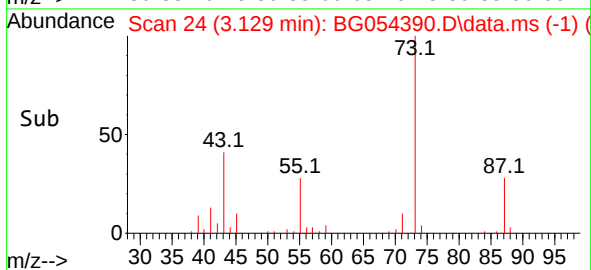
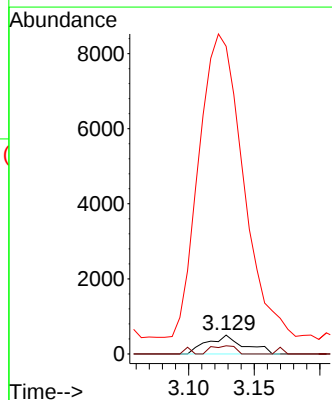
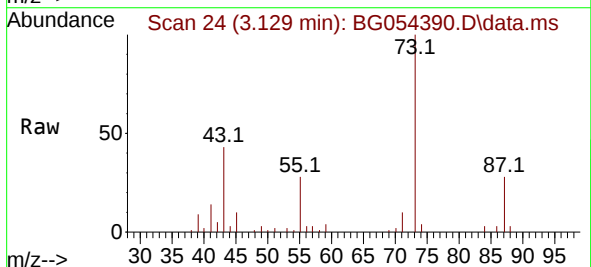
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

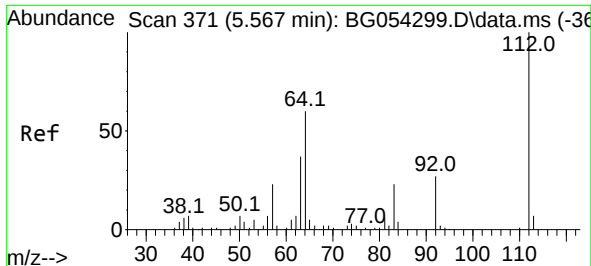
Tgt Ion:152 Resp: 23872
Ion Ratio Lower Upper
152 100
150 154.6 131.6 197.4
115 54.3 50.9 76.3



#2
1,4-Dioxane
Concen: 2.135 ng
RT: 3.129 min Scan# 24
Delta R.T. -0.300 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion: 88 Resp: 971
Ion Ratio Lower Upper
88 100
58 28.3 59.2 88.8#
43 1987.7 24.3 36.5#

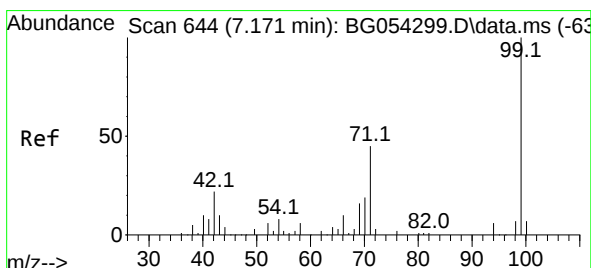
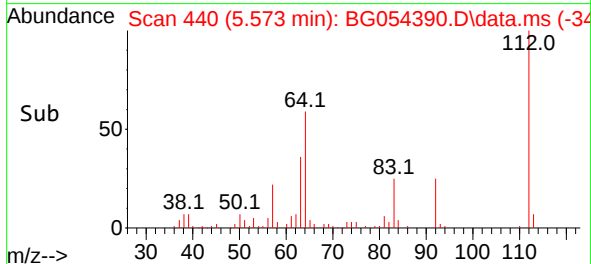
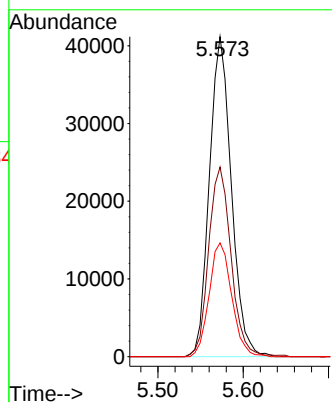
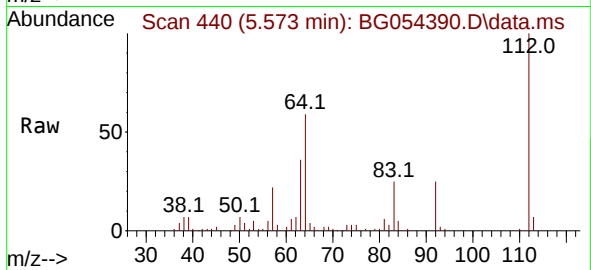




#5
2-Fluorophenol
Concen: 64.391 ng
RT: 5.573 min Scan# 41
Delta R.T. 0.005 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

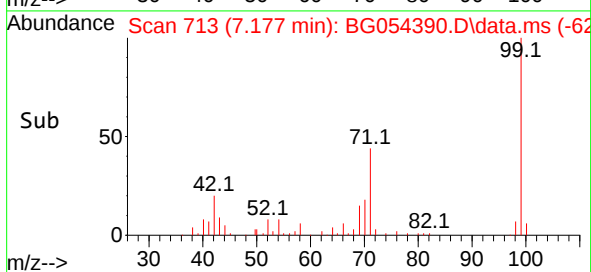
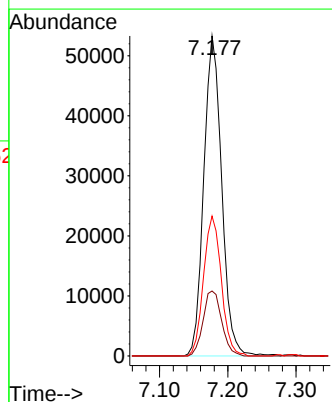
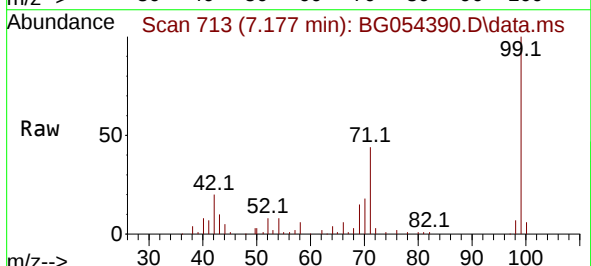
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BNA_G
ClientSampleId :
ENV-DE-4(5-10)

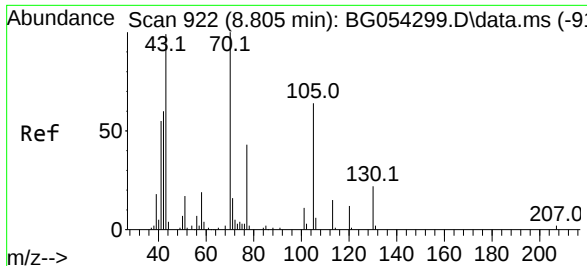
Tgt Ion:112 Resp: 73622
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 35.5 30.4 45.6



#7
Phenol-d6
Concen: 62.169 ng
RT: 7.177 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion: 99 Resp: 97399
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 43.7 33.8 50.8

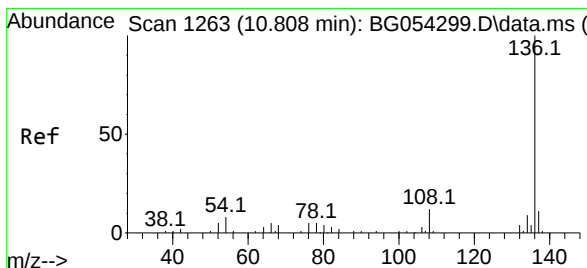
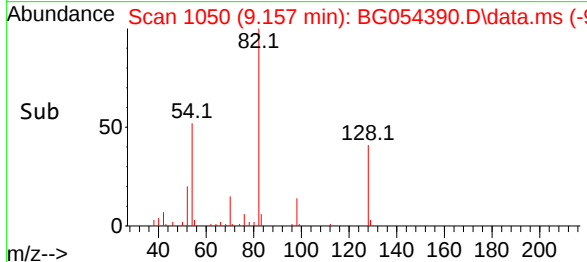
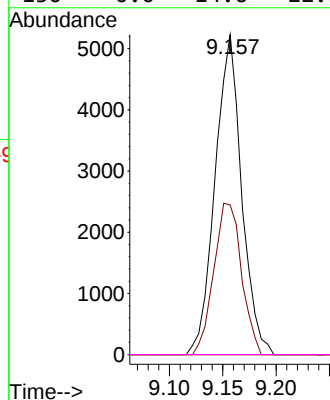
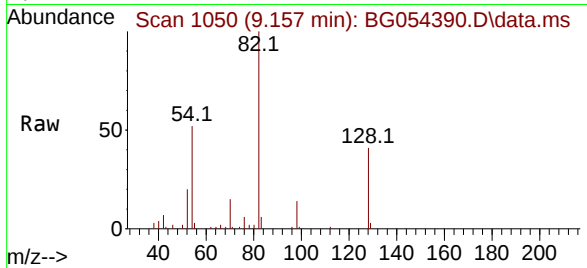




#19
n-Nitroso-di-n-propylamine
Concen: 8.637 ng
RT: 9.157 min Scan# 1050
Delta R.T. 0.352 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

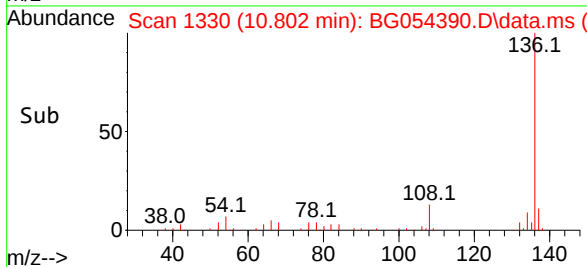
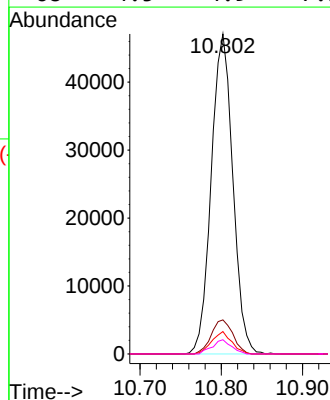
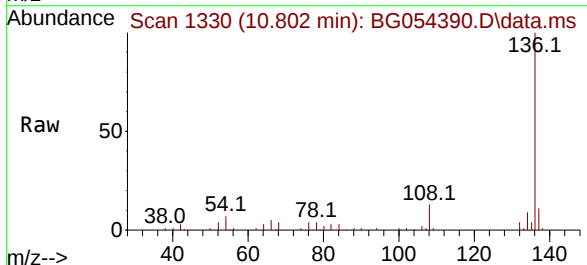
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Tgt Ion: 70 Resp: 9036
Ion Ratio Lower Upper
70 100
42 46.8 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.802 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion: 136 Resp: 86828
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.0 7.4 11.2#
68 4.5 4.9 7.3#

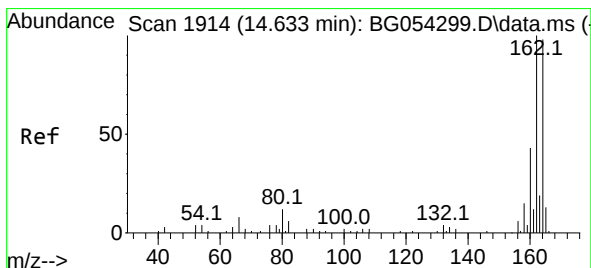
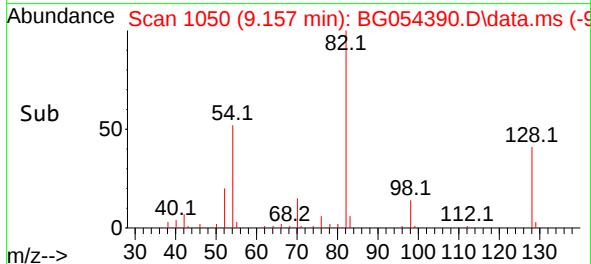
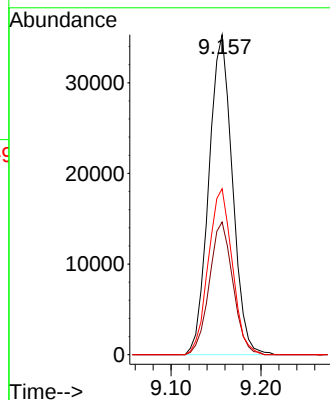
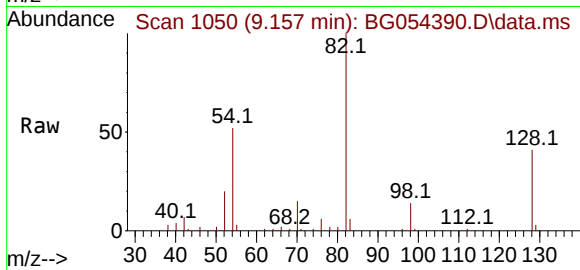




#23
Nitrobenzene-d5
Concen: 40.323 ng
RT: 9.157 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

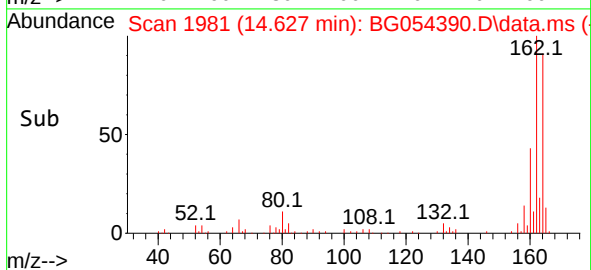
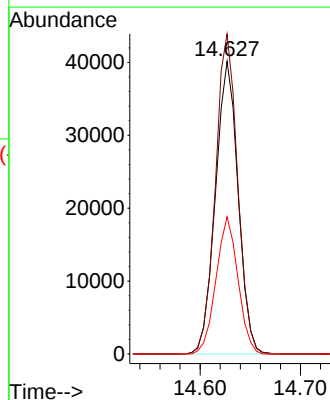
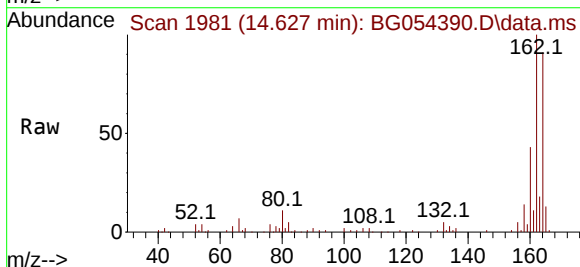
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Tgt Ion: 82 Resp: 64292
Ion Ratio Lower Upper
82 100
128 41.5 27.9 41.9
54 51.9 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:164 Resp: 62791
Ion Ratio Lower Upper
164 100
162 109.3 82.3 123.5
160 46.9 34.2 51.2

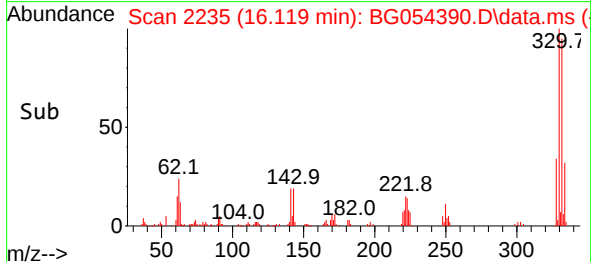
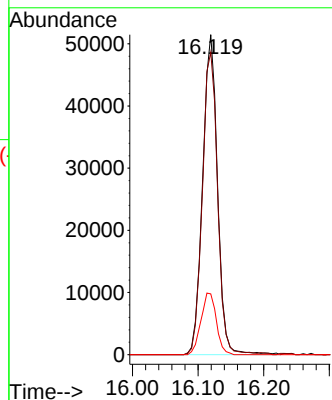
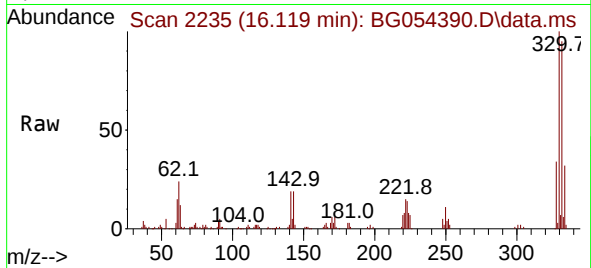




#42
 2,4,6-Tribromophenol
 Concen: 61.780 ng
 RT: 16.119 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054390.D
 Acq: 25 Jul 2022 22:16

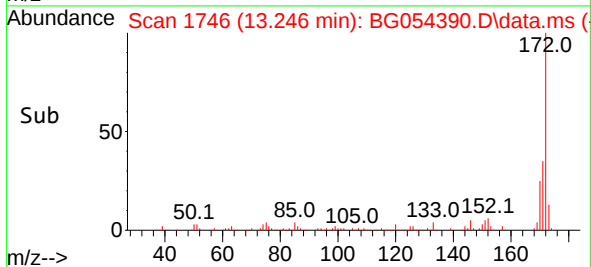
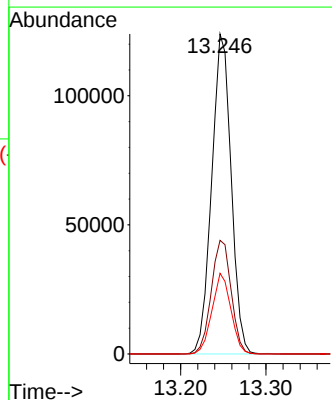
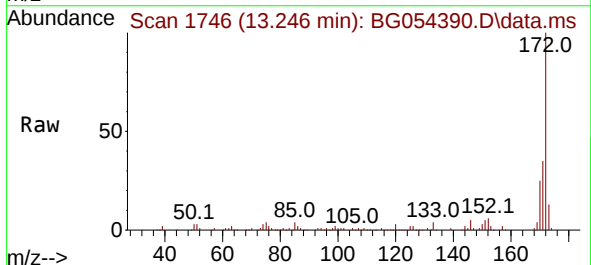
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

Tgt Ion:330 Resp: 81449
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.0 114.0
 141 19.9 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 44.053 ng
 RT: 13.246 min Scan# 1746
 Delta R.T. -0.012 min
 Lab File: BG054390.D
 Acq: 25 Jul 2022 22:16

Tgt Ion:172 Resp: 196085
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 25.2 18.9 28.3

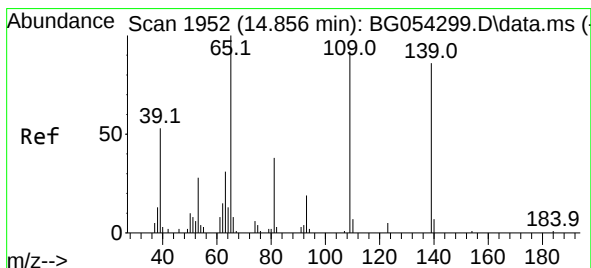
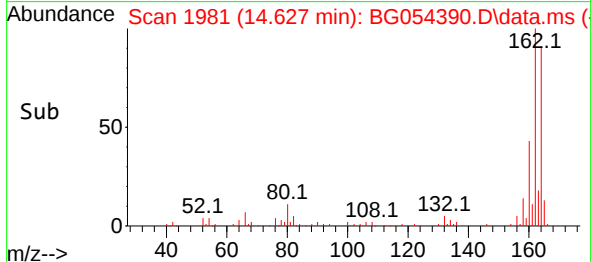
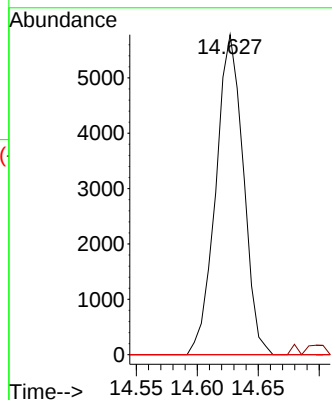
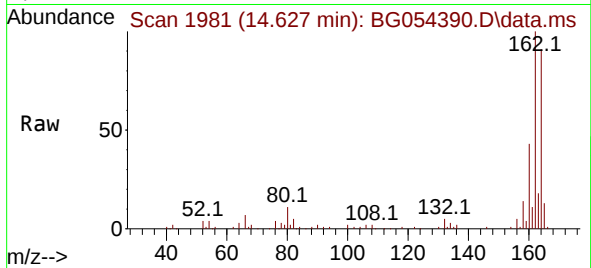




#51
2,6-Dinitrotoluene
Concen: 8.432 ng
RT: 14.627 min Scan# 1981
Delta R.T. 0.423 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

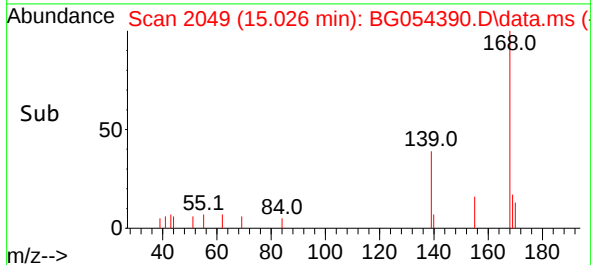
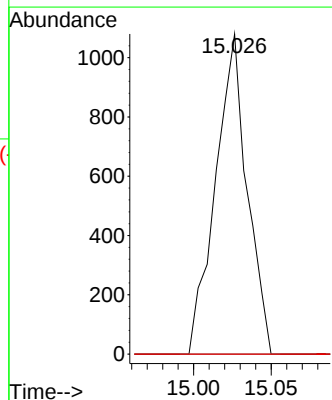
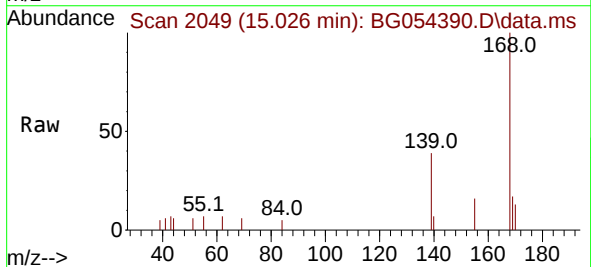
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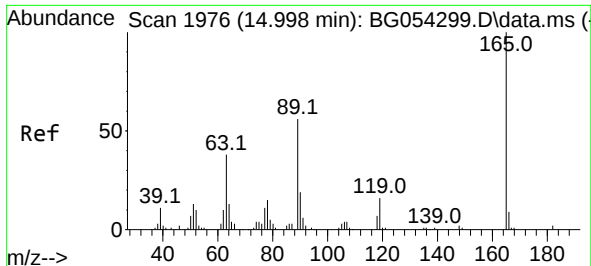
Tgt Ion:165 Resp: 9071
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 2.552 ng
RT: 15.026 min Scan# 2049
Delta R.T. 0.170 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:139 Resp: 1532
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

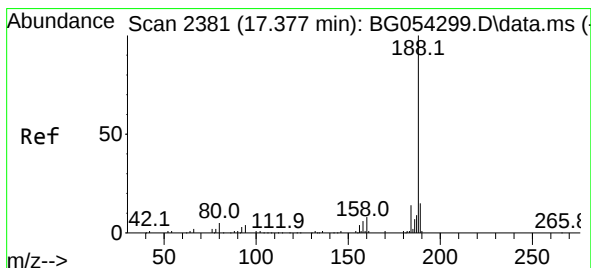
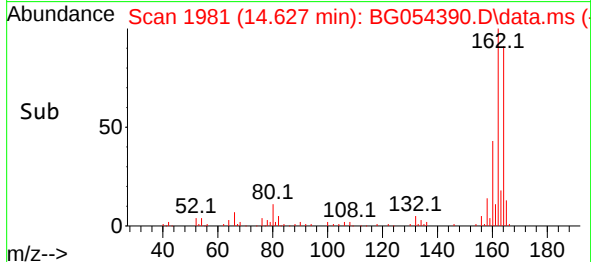
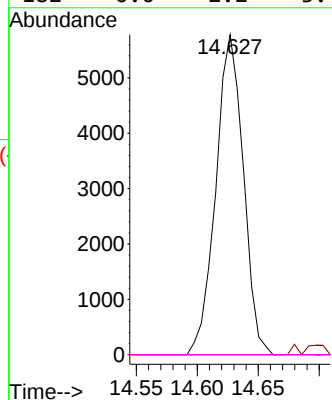
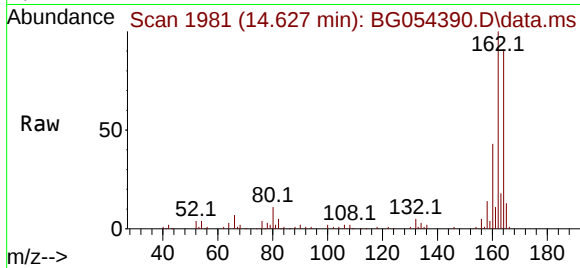




#57
2,4-Dinitrotoluene
Concen: 5.882 ng
RT: 14.627 min Scan# 1976
Delta R.T. -0.371 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

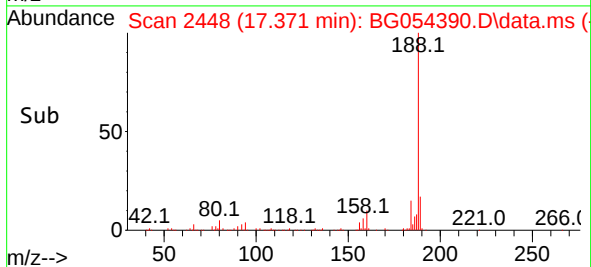
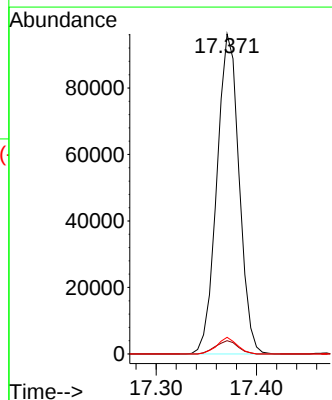
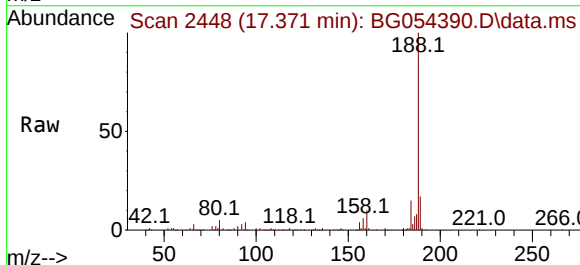
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

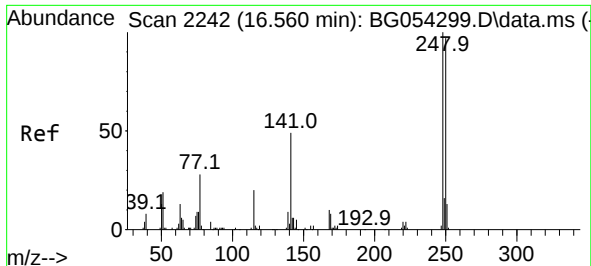
Tgt Ion:165 Resp: 9071
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:188 Resp: 148032
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 5.2 6.8 10.2#

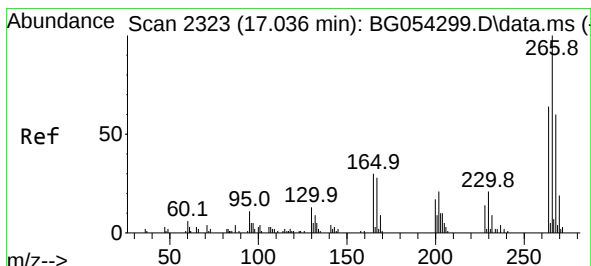
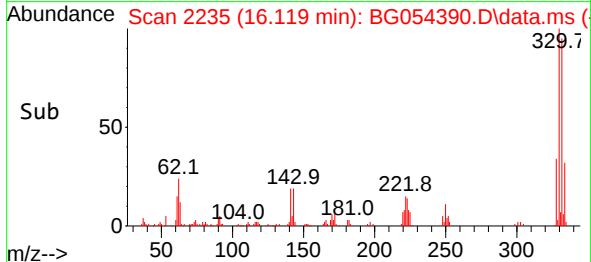
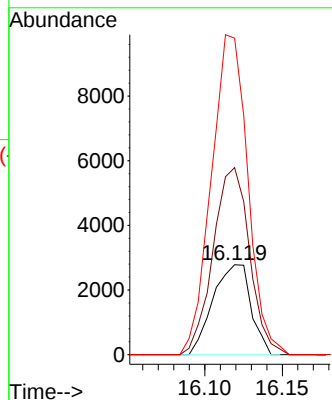
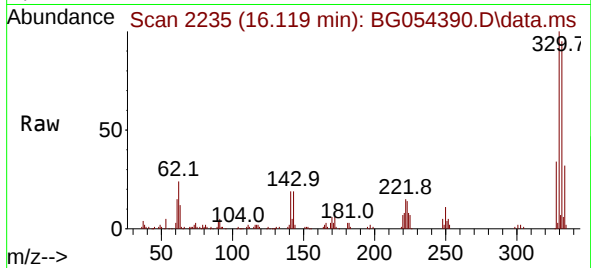




#67
4-Bromophenyl-phenylether
Concen: 2.277 ng
RT: 16.119 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

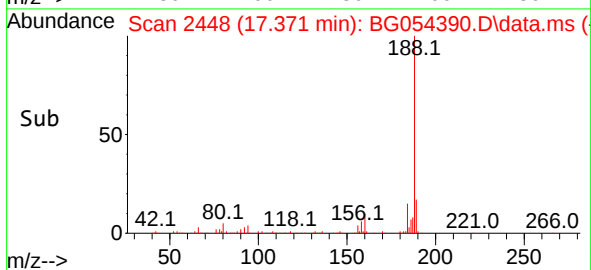
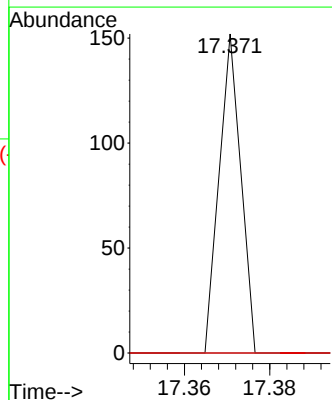
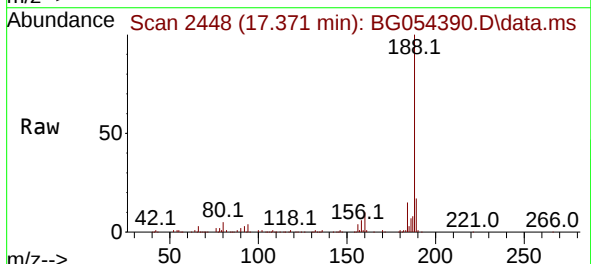
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

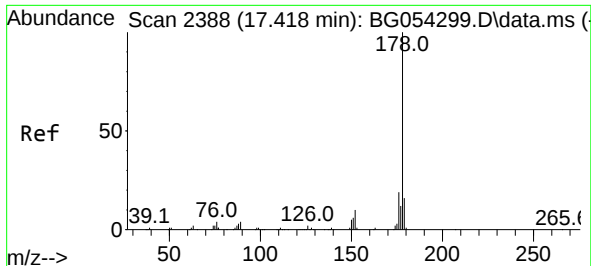
Tgt Ion:248 Resp: 4733
Ion Ratio Lower Upper
248 100
250 207.9 75.2 112.8#
141 351.8 50.0 75.0#



#70
Pentachlorophenol
Concen: 3.831 ng
RT: 17.371 min Scan# 2448
Delta R.T. 0.335 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:266 Resp: 54
Ion Ratio Lower Upper
266 100
268 0.0 56.2 84.2#
264 0.0 53.0 79.4#

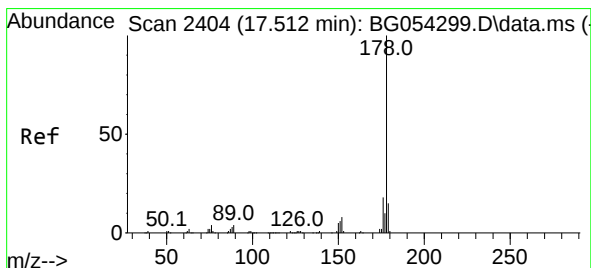
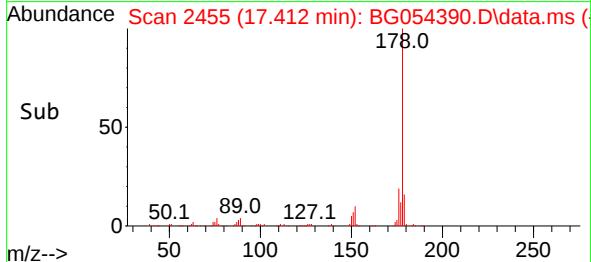
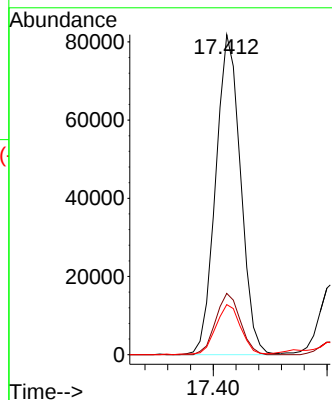
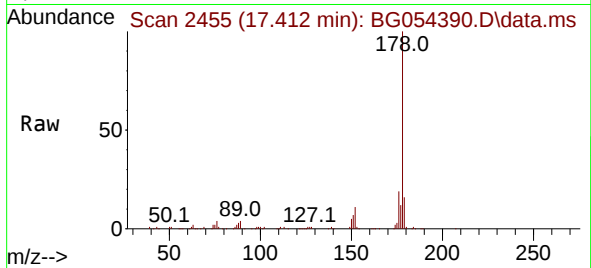




#71
Phenanthrene
Concen: 16.902 ng
RT: 17.412 min Scan# 241
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

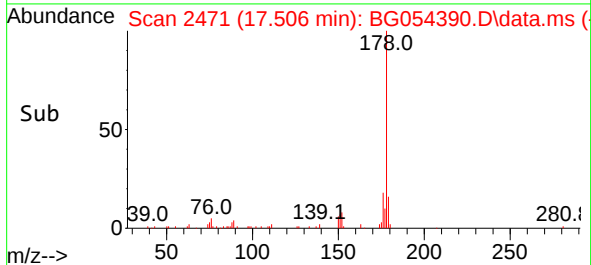
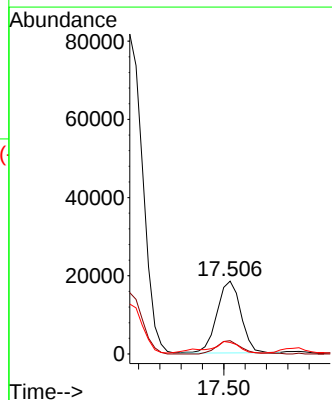
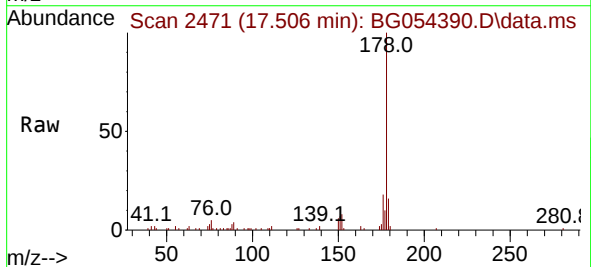
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

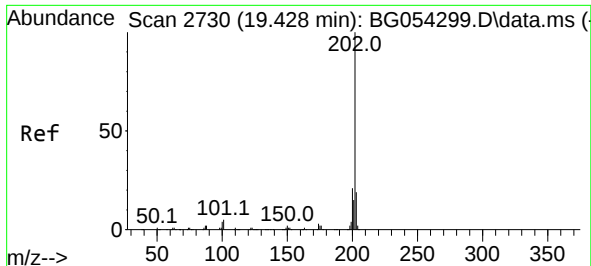
Tgt Ion:178 Resp: 124599
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 15.6 12.1 18.1



#72
Anthracene
Concen: 3.959 ng
RT: 17.506 min Scan# 2471
Delta R.T. -0.006 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:178 Resp: 28639
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 15.9 13.0 19.4

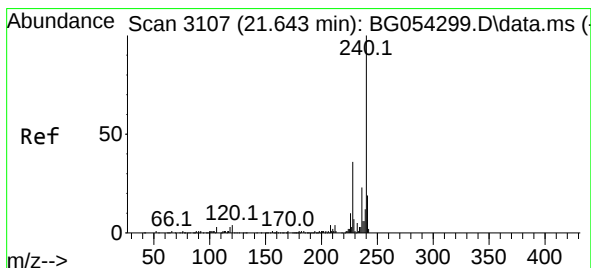
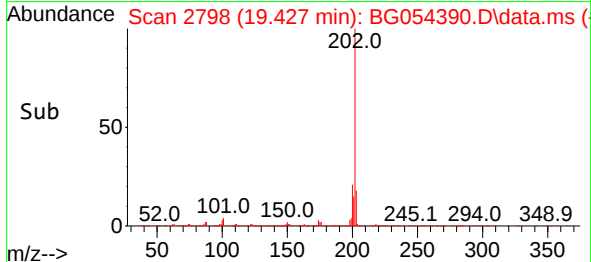
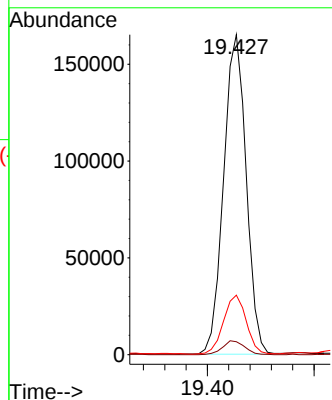
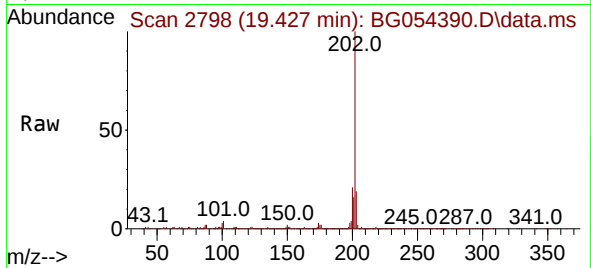




#75
Fluoranthene
Concen: 24.099 ng
RT: 19.427 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

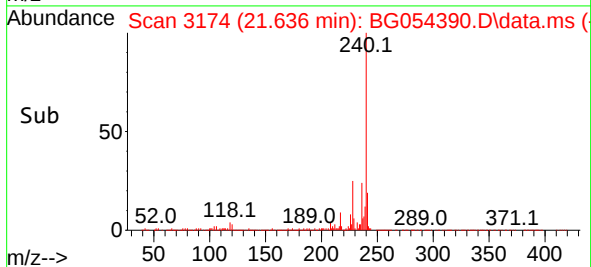
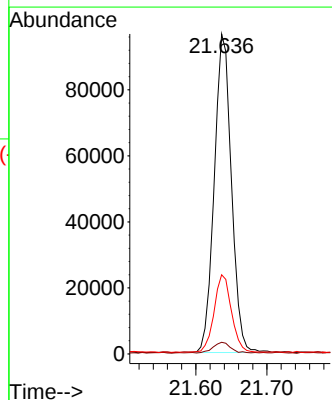
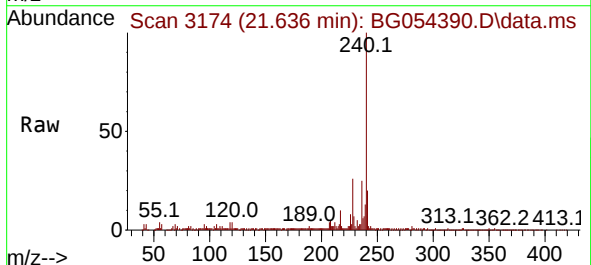
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

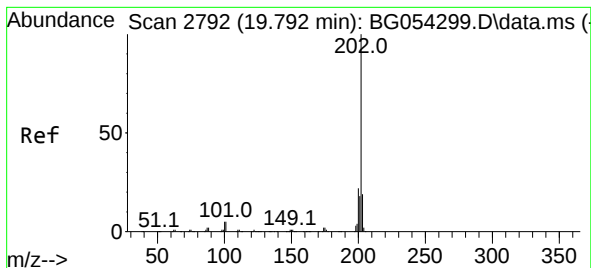
Tgt Ion:202 Resp: 242175
Ion Ratio Lower Upper
202 100
101 4.1 0.0 26.9
203 18.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.007 min
Lab File: BG054390.D
Acq: 25 Jul 2022 22:16

Tgt Ion:240 Resp: 161939
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.7 20.2 30.4





#78

Pyrene

Concen: 21.956 ng

RT: 19.785 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

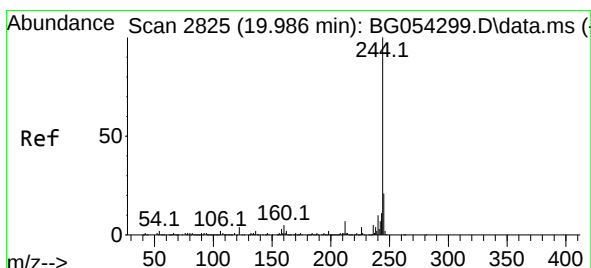
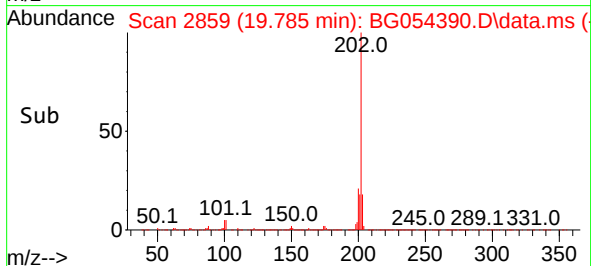
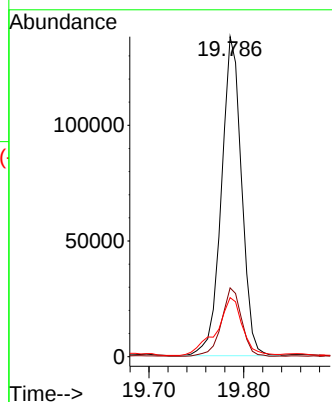
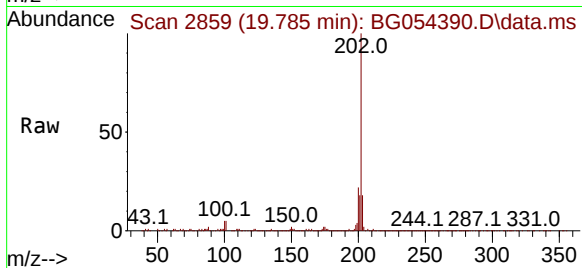
Tgt Ion:202 Resp: 204011

Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

203 18.5 14.6 21.8



#79

Terphenyl-d14

Concen: 44.724 ng

RT: 19.979 min Scan# 2892

Delta R.T. -0.006 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

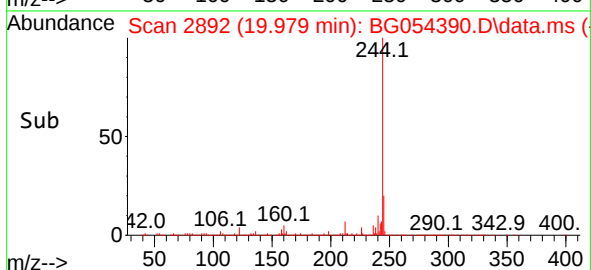
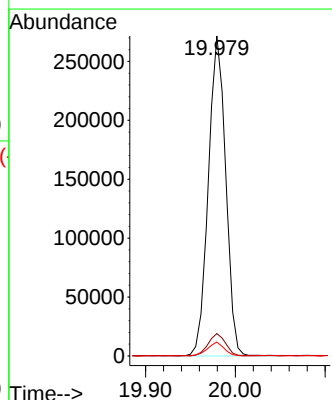
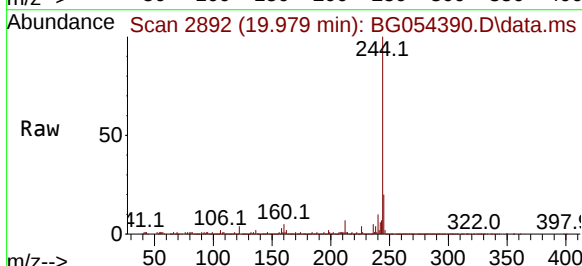
Tgt Ion:244 Resp: 365087

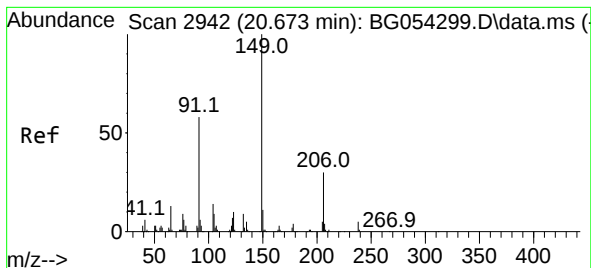
Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

122 4.4 5.0 7.4#





#80

Butylbenzylphthalate

Concen: 2.399 ng

RT: 20.667 min Scan# 3009

Delta R.T. -0.006 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

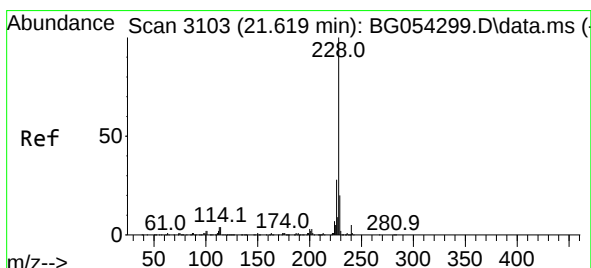
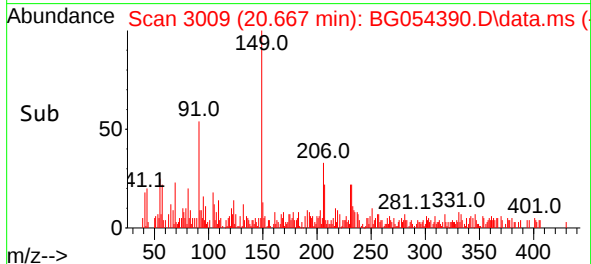
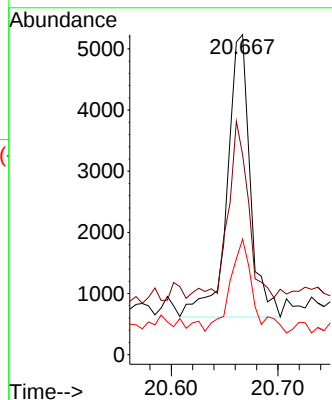
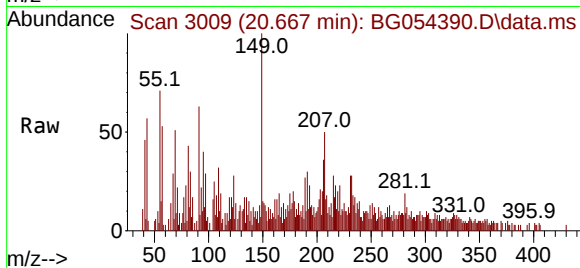
Tgt Ion:149 Resp: 6947

Ion Ratio Lower Upper

149 100

91 62.5 59.6 89.4

206 36.1 18.6 28.0#



#81

Benzo(a)anthracene

Concen: 13.632 ng

RT: 21.619 min Scan# 3171

Delta R.T. -0.001 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

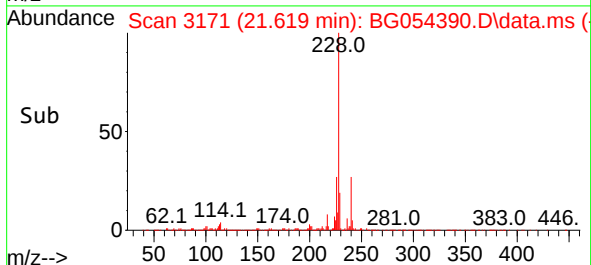
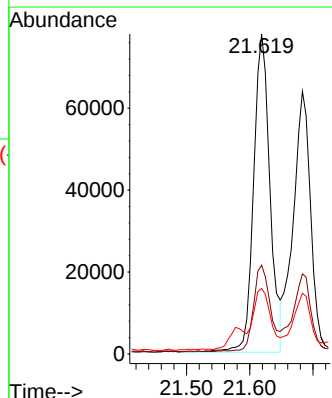
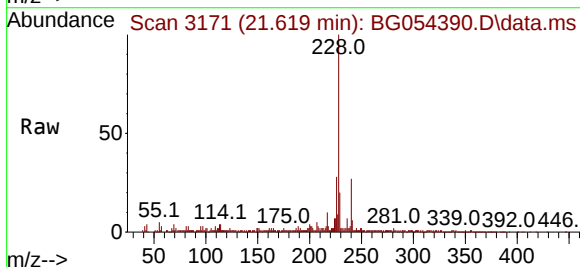
Tgt Ion:228 Resp: 140136

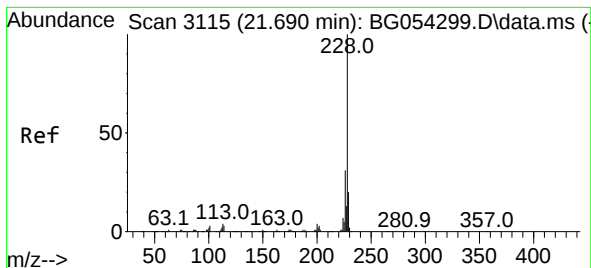
Ion Ratio Lower Upper

228 100

226 27.8 21.6 32.4

229 20.5 16.2 24.2





#83

Chrysene

Concen: 12.551 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

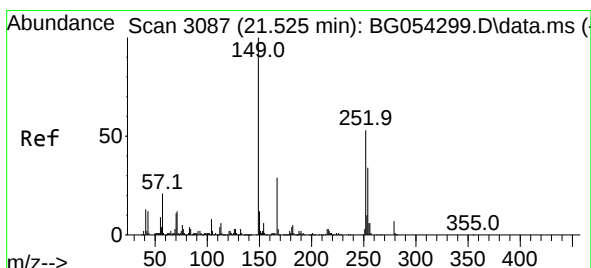
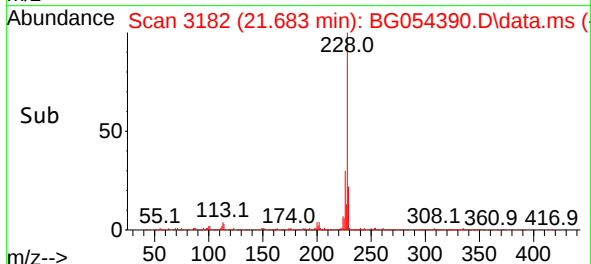
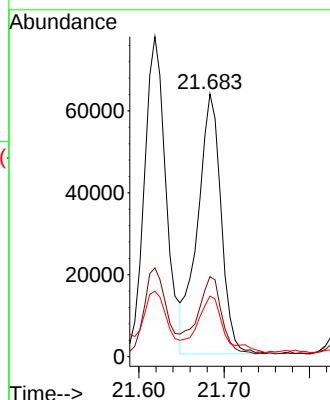
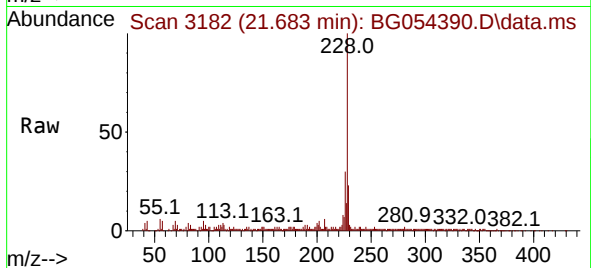
Tgt Ion:228 Resp: 121896

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

229 23.1 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.000 ng

RT: 21.519 min Scan# 3154

Delta R.T. -0.006 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

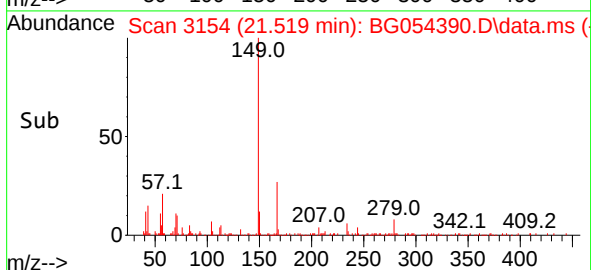
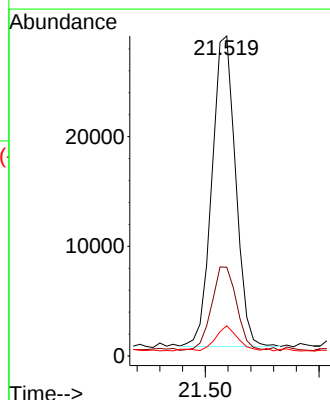
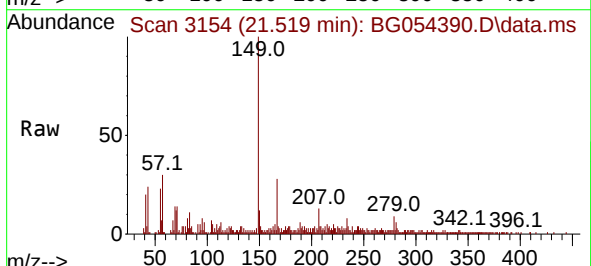
Tgt Ion:149 Resp: 40974

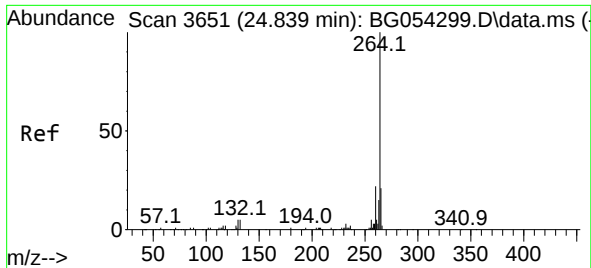
Ion Ratio Lower Upper

149 100

167 27.7 20.2 30.4

279 9.5 3.6 5.4#

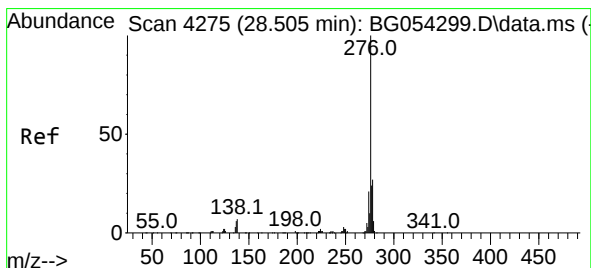
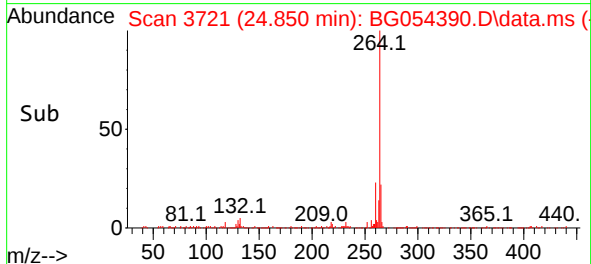
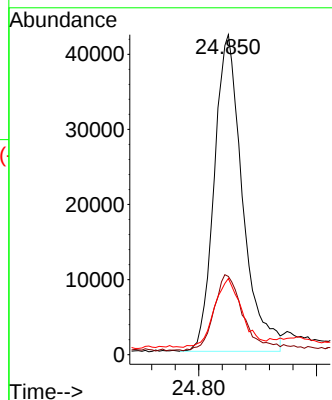
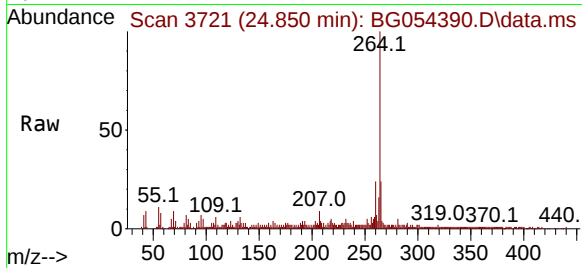




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.850 min Scan# 31
 Delta R.T. 0.011 min
 Lab File: BG054390.D
 Acq: 25 Jul 2022 22:16

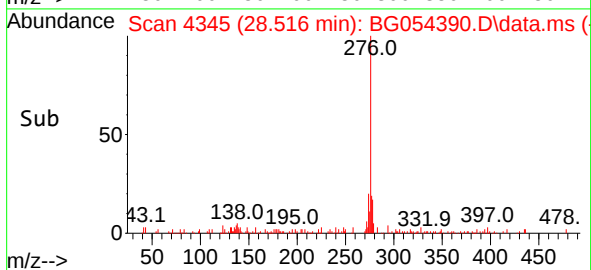
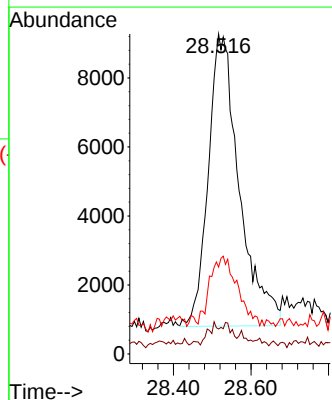
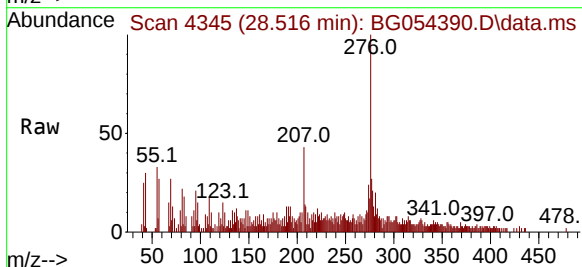
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

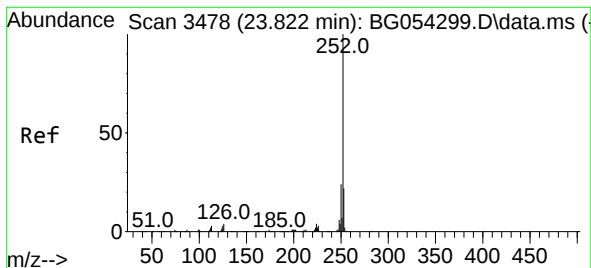
Tgt Ion:264 Resp: 140434
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.0 28.6
 265 23.8 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.403 ng
 RT: 28.516 min Scan# 4345
 Delta R.T. 0.011 min
 Lab File: BG054390.D
 Acq: 25 Jul 2022 22:16

Tgt Ion:276 Resp: 47040
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.0 7.4#
 277 21.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.748 ng

RT: 23.834 min Scan# 3548

Delta R.T. 0.011 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

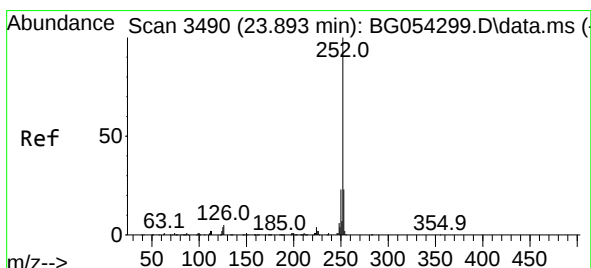
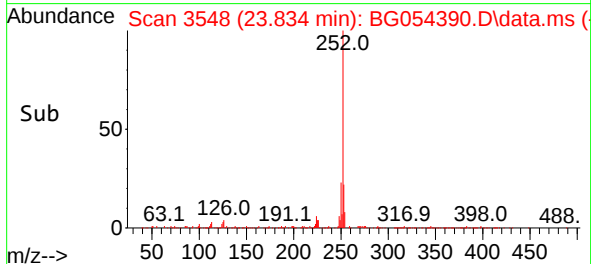
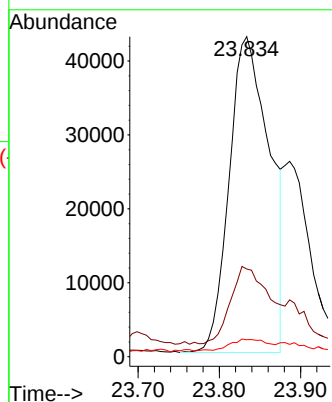
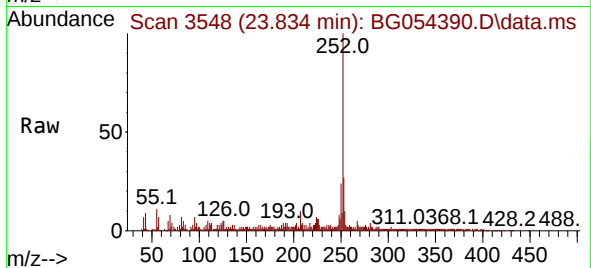
Tgt Ion:252 Resp: 147395

Ion Ratio Lower Upper

252 100

253 27.4 18.0 27.0#

125 5.3 4.6 6.8



#89

Benzo(k)fluoranthene

Concen: 17.833 ng

RT: 23.834 min Scan# 3548

Delta R.T. -0.059 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

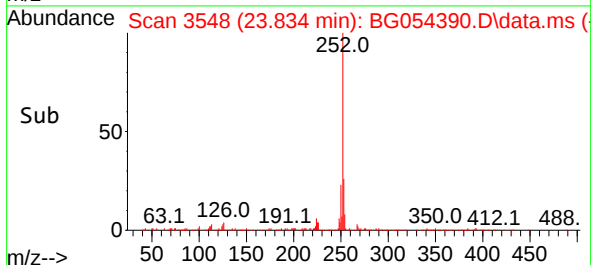
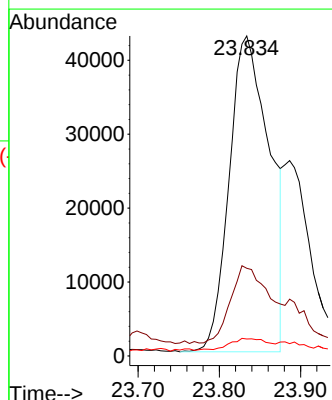
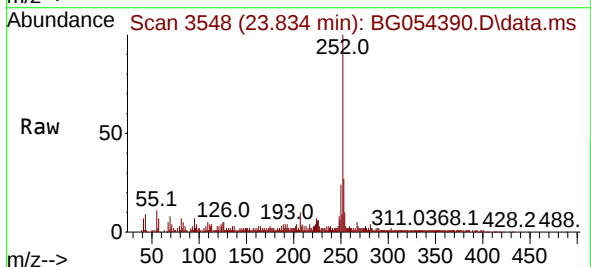
Tgt Ion:252 Resp: 147395

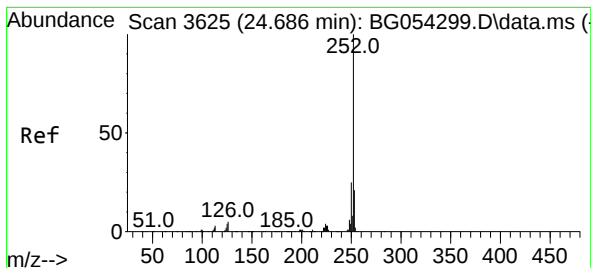
Ion Ratio Lower Upper

252 100

253 27.4 18.4 27.6

125 5.3 4.8 7.2





#90

Benzo(a)pyrene

Concen: 13.743 ng

RT: 24.697 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

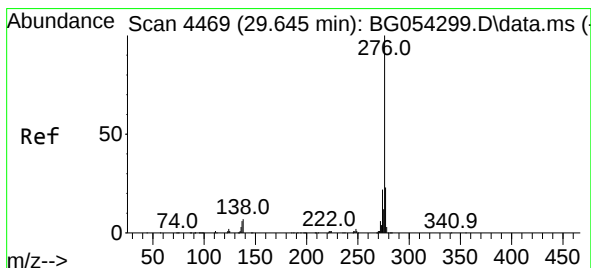
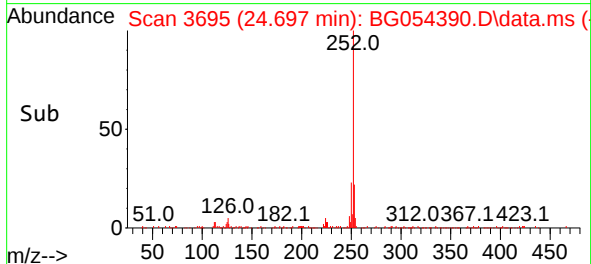
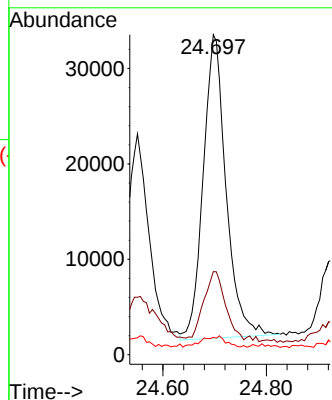
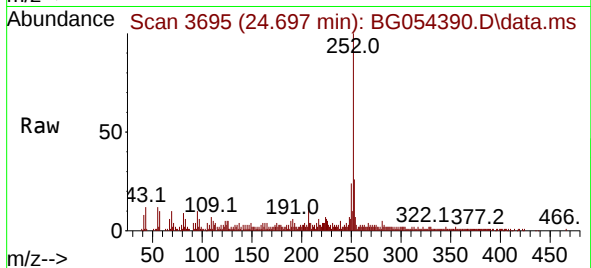
Tgt Ion:252 Resp: 97473

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

125 5.5 4.3 6.5



#92

Benzo(g,h,i)perylene

Concen: 4.427 ng

RT: 29.674 min Scan# 4542

Delta R.T. 0.029 min

Lab File: BG054390.D

Acq: 25 Jul 2022 22:16

Tgt Ion:276 Resp: 38382

Ion Ratio Lower Upper

276 100

277 29.0 17.3 25.9#

138 8.3 9.6 14.4#

