

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054821.D
 Acq On : 1 Sep 2022 14:04
 Operator : CG/JU
 Sample : N4433-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-2

Quant Time: Sep 01 15:27:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

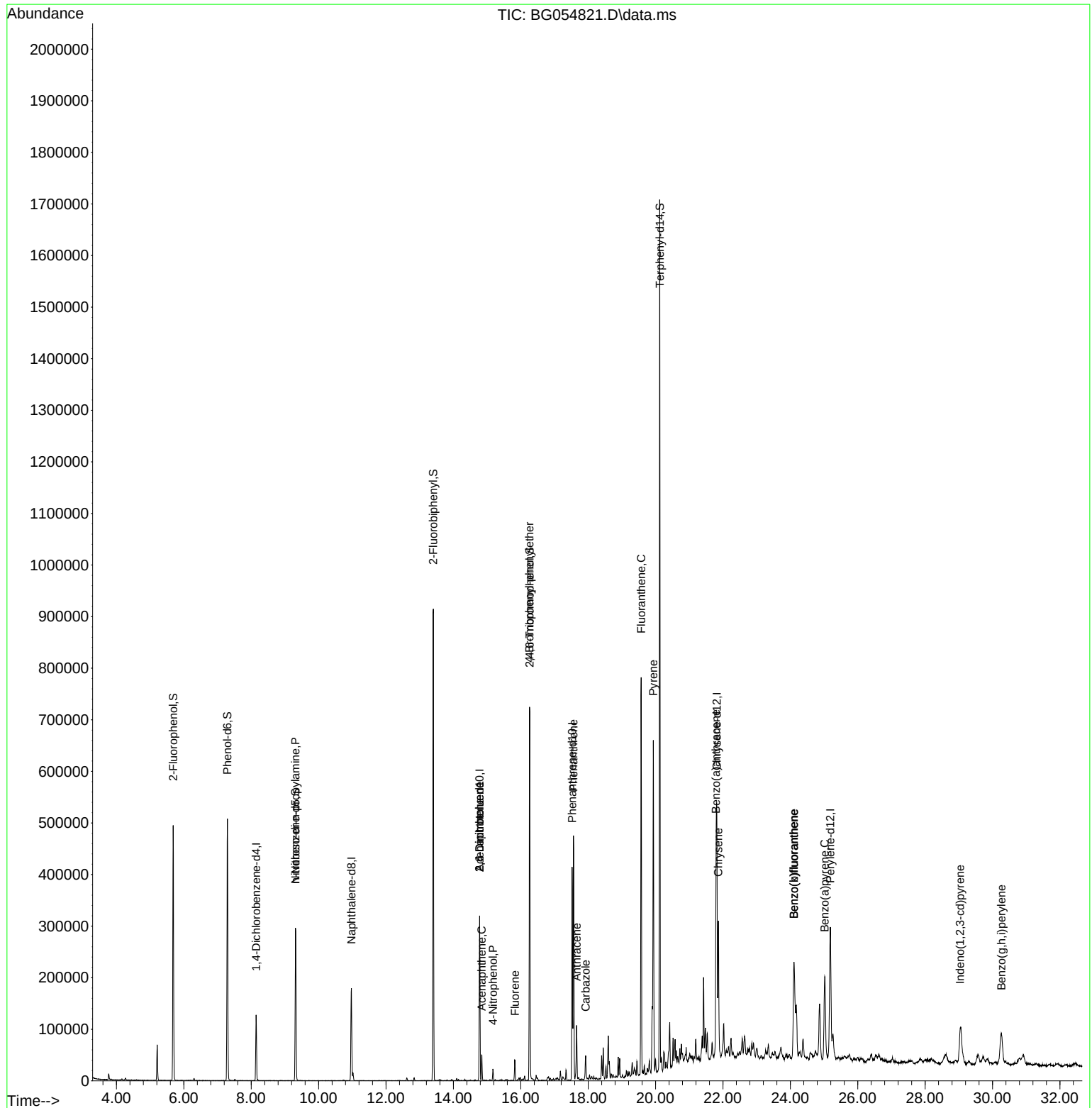
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	39321	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	167343	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	118840	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	271596	20.000	ng	0.00
76) Chrysene-d12	21.819	240	255888	20.000	ng	0.00
86) Perylene-d12	25.185	264	271210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	230728	102.180	ng	0.00
7) Phenol-d6	7.295	99	322881	104.557	ng	0.00
23) Nitrobenzene-d5	9.316	82	193796	60.795	ng	-0.01
42) 2,4,6-Tribromophenol	16.266	330	162015	109.102	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	505603	63.946	ng	0.00
79) Terphenyl-d14	20.127	244	863378	66.853	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	24687	11.625	ng	# 78
51) 2,6-Dinitrotoluene	14.780	165	15845	8.461	ng	# 22
52) Acenaphthene	14.839	154	19545	2.751	ng	97
56) 4-Nitrophenol	15.174	139	5450	3.359	ng	# 6
57) 2,4-Dinitrotoluene	14.780	165	15845	6.117	ng	# 19
58) Fluorene	15.826	166	20031	2.278	ng	98
67) 4-Bromophenyl-phenylether	16.261	248	10479	3.514	ng	# 1
71) Phenanthrene	17.565	178	302875	20.934	ng	99
72) Anthracene	17.659	178	72293	5.139	ng	98
73) Carbazole	17.929	167	32512	2.509	ng	98
75) Fluoranthene	19.574	202	495940	28.178	ng	99
78) Pyrene	19.933	202	430323	24.117	ng	98
81) Benzo(a)anthracene	21.795	228	217151	12.516	ng	98
83) Chrysene	21.866	228	184115	11.099	ng	98
87) Indeno(1,2,3-cd)pyrene	29.040	276	133002	6.460	ng	# 96
88) Benzo(b)fluoranthene	24.104	252	262468	15.427	ng	100
89) Benzo(k)fluoranthene	24.104	252	262605	15.337	ng	99
90) Benzo(a)pyrene	25.021	252	192267	13.227	ng	97
92) Benzo(g,h,i)perylene	30.262	276	135628	8.004	ng	95

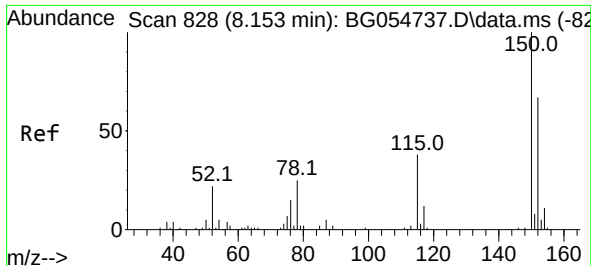
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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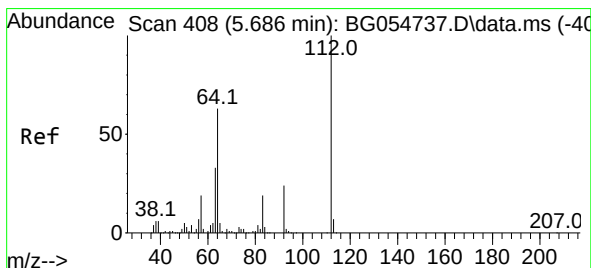
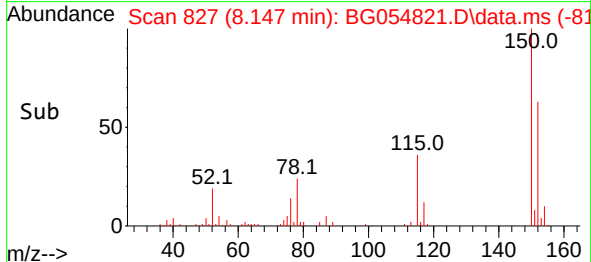
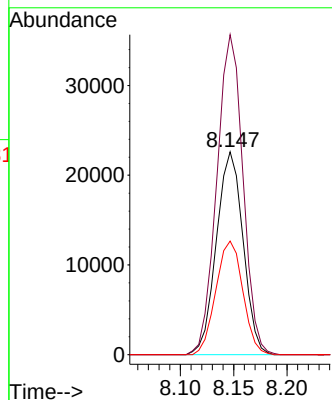
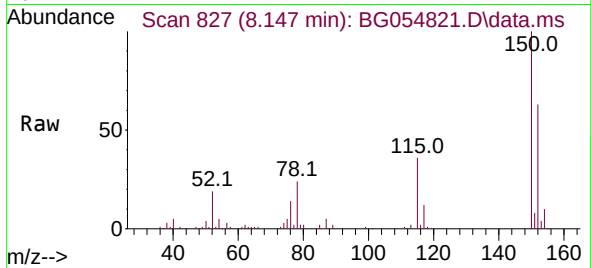




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

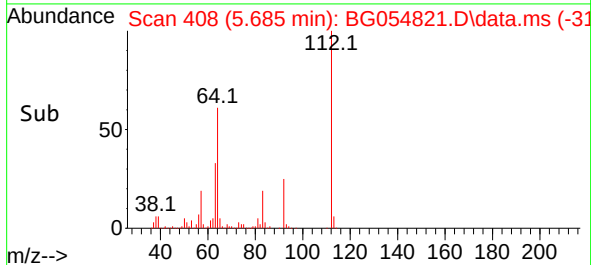
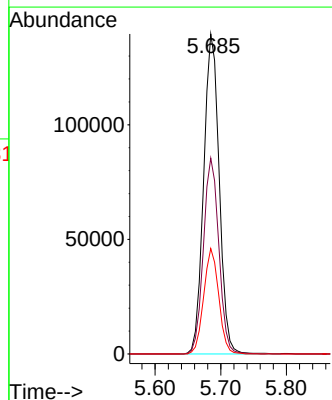
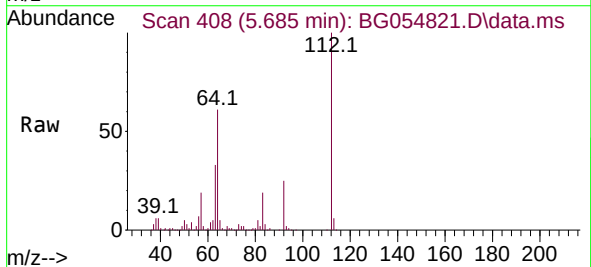
Instrument :
BNA_G
ClientSampleId :
EP-2

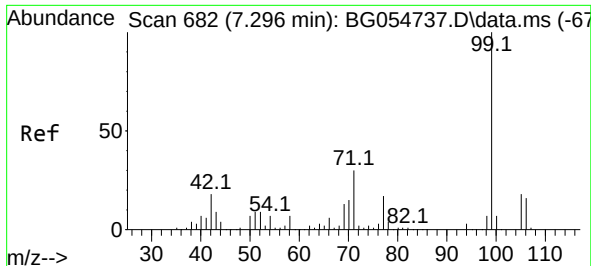
Tgt Ion:152 Resp: 39321
Ion Ratio Lower Upper
152 100
150 157.7 125.2 187.8
115 56.0 47.9 71.9



#5
2-Fluorophenol
Concen: 102.180 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.001 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:112 Resp: 230728
Ion Ratio Lower Upper
112 100
64 61.2 49.3 73.9
63 33.0 26.3 39.5

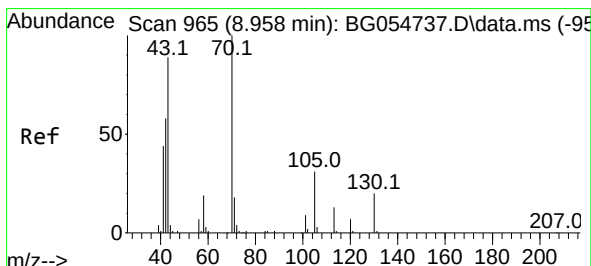
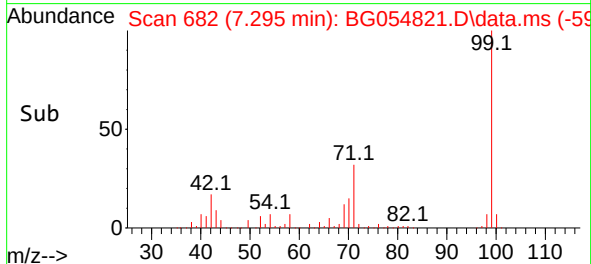
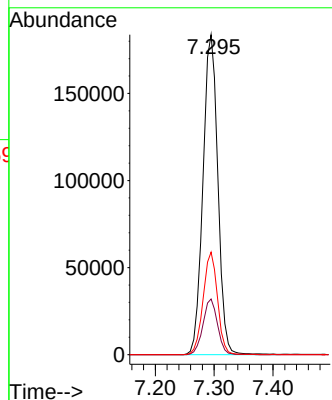
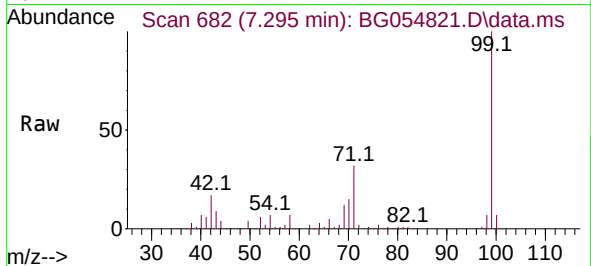




#7
Phenol-d6
Concen: 104.557 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

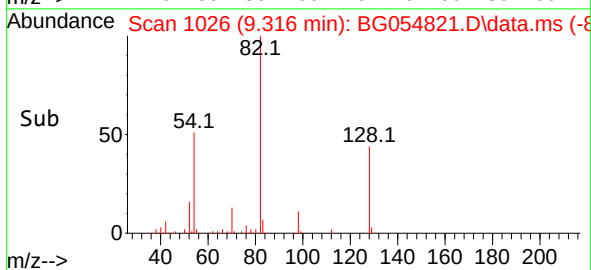
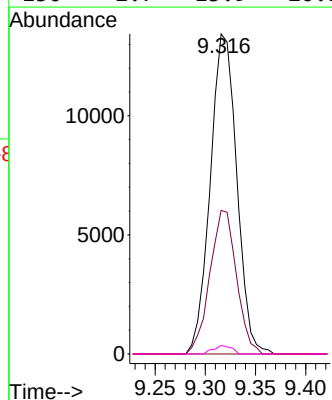
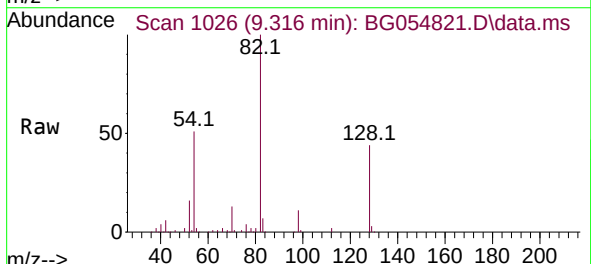
Instrument :
BNA_G
ClientSampleId :
EP-2

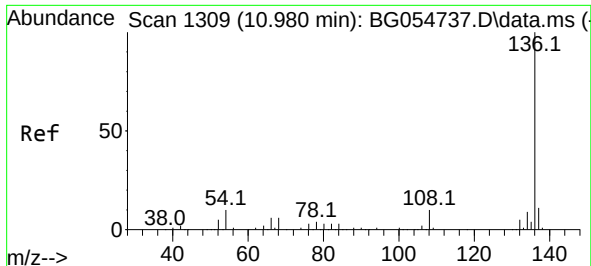
Tgt Ion: 99 Resp: 322881
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 32.1 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.625 ng
RT: 9.316 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion: 70 Resp: 24687
Ion Ratio Lower Upper
70 100
42 44.9 46.6 69.8#
101 0.0 7.7 11.5#
130 2.7 13.9 20.9#



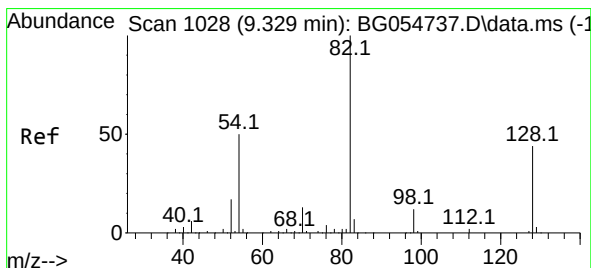
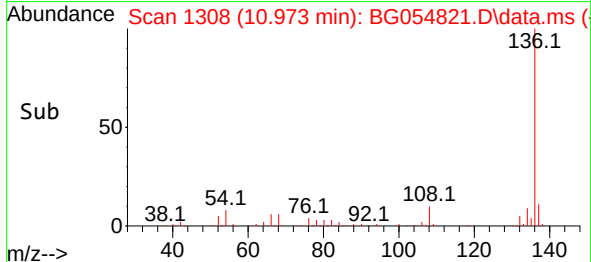
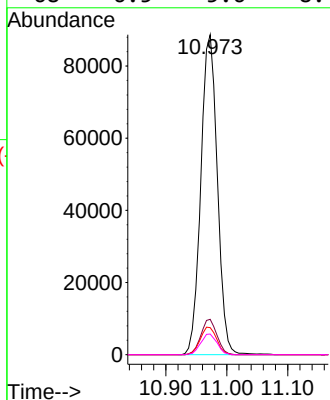
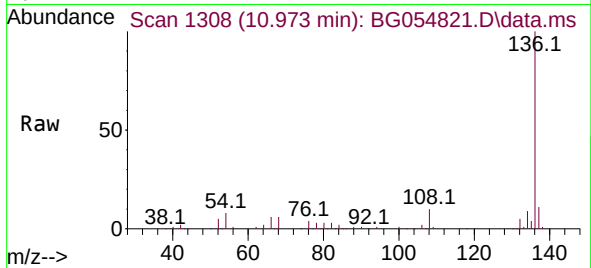


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Instrument :
BNA_G
ClientSampleId :
EP-2

Tgt Ion:136 Resp: 167343

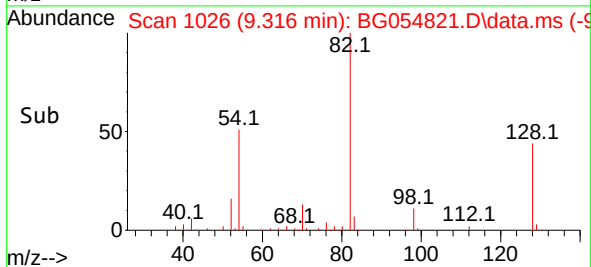
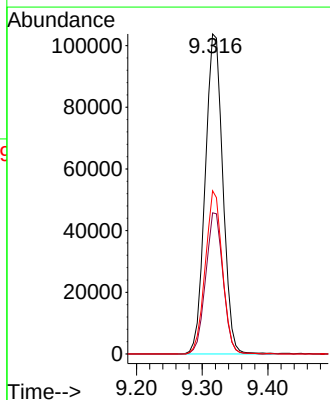
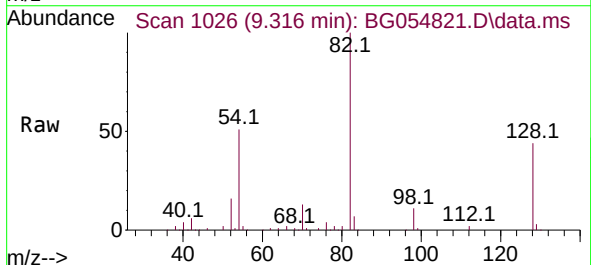
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.4	7.7	11.5
68	6.5	5.6	8.4

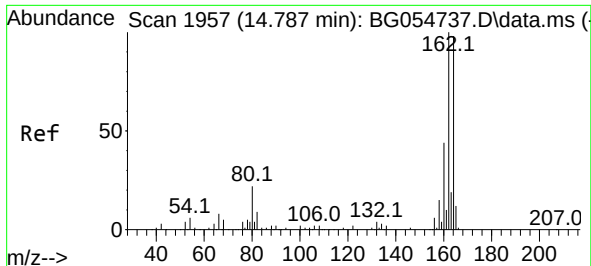


#23
Nitrobenzene-d5
Concen: 60.795 ng
RT: 9.316 min Scan# 1026
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion: 82 Resp: 193796

Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.2	48.2
54	51.0	41.4	62.0

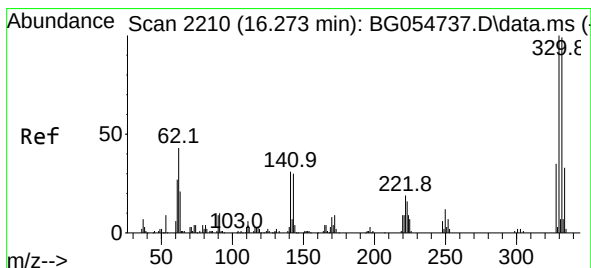
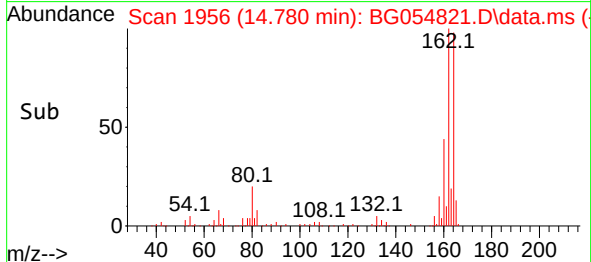
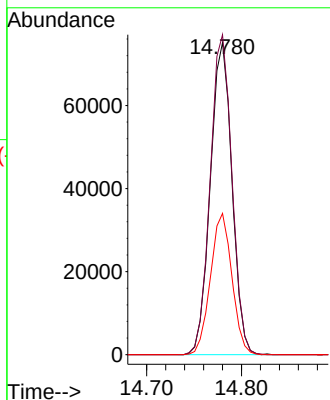
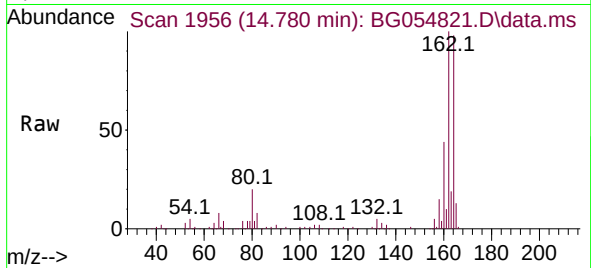




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

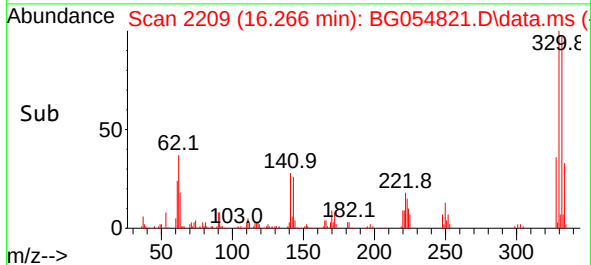
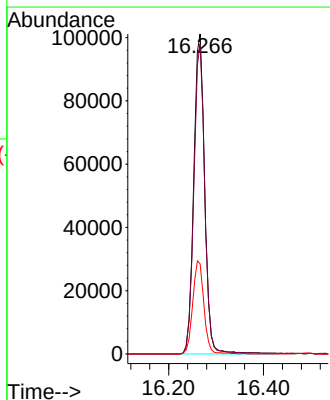
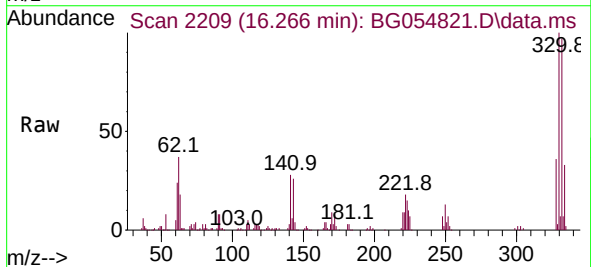
Instrument :
BNA_G
ClientSampleId :
EP-2

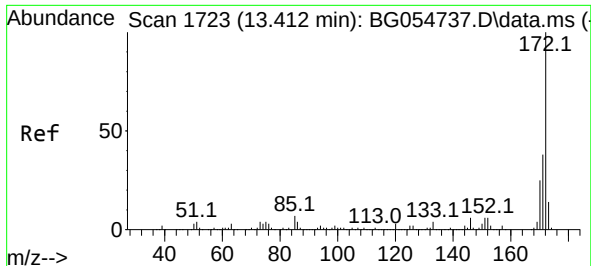
Tgt Ion:164 Resp: 118840
Ion Ratio Lower Upper
164 100
162 102.5 83.0 124.4
160 45.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 109.102 ng
RT: 16.266 min Scan# 2209
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:330 Resp: 162015
Ion Ratio Lower Upper
330 100
332 96.4 79.8 119.6
141 29.8 26.8 40.2

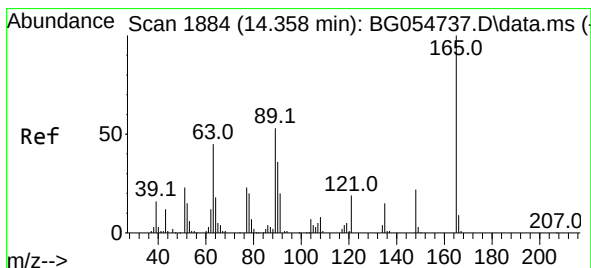
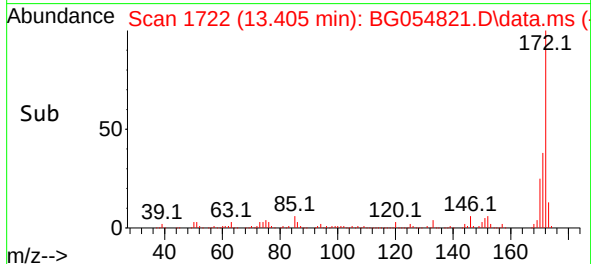
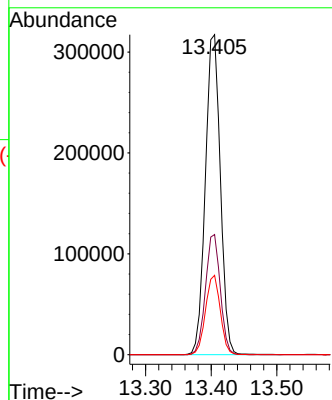
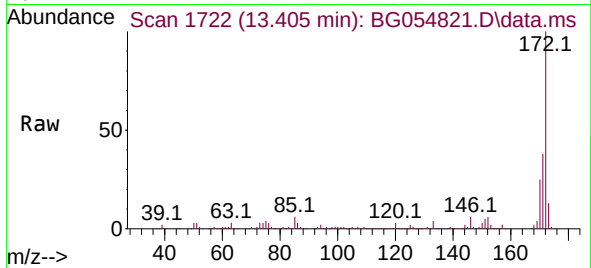




#45
2-Fluorobiphenyl
Concen: 63.946 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

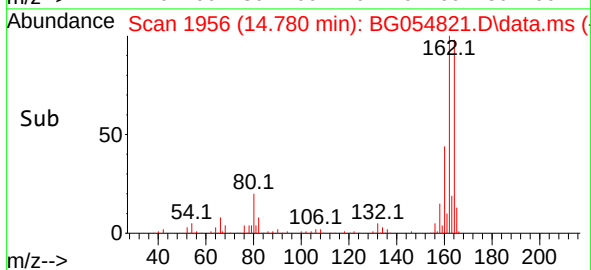
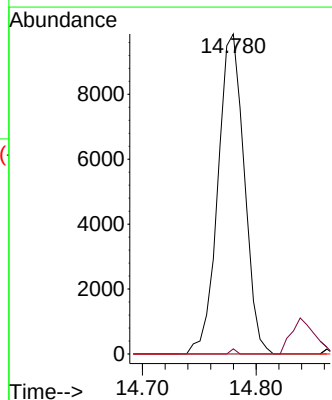
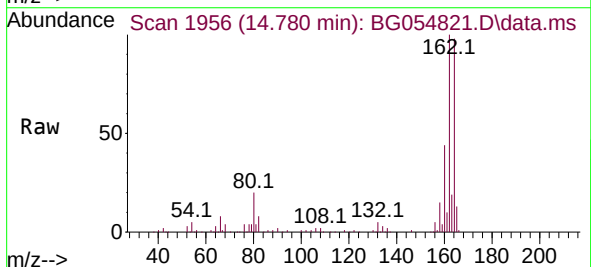
Instrument :
BNA_G
ClientSampleId :
EP-2

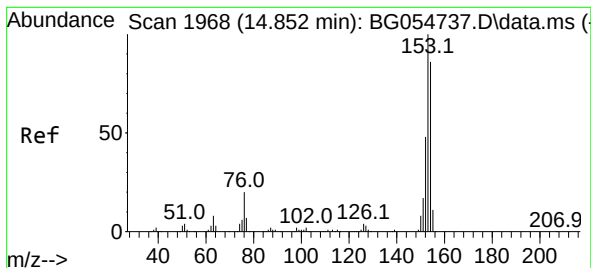
Tgt Ion:172 Resp: 505603
Ion Ratio Lower Upper
172 100
171 37.5 31.2 46.8
170 24.8 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.461 ng
RT: 14.780 min Scan# 1956
Delta R.T. 0.422 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:165 Resp: 15845
Ion Ratio Lower Upper
165 100
63 1.6 46.0 69.0#
89 0.0 50.3 75.5#





#52

Acenaphthene

Concen: 2.751 ng

RT: 14.839 min Scan# 1966

Delta R.T. -0.013 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

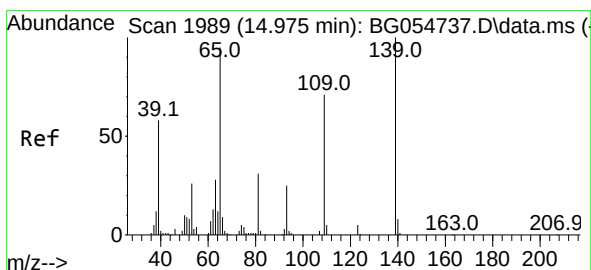
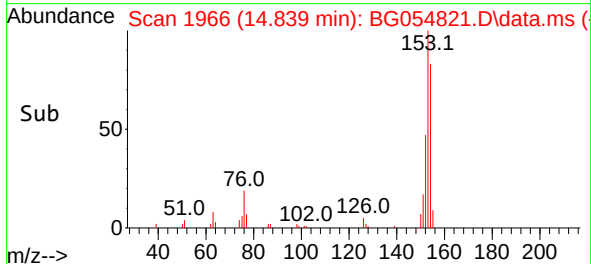
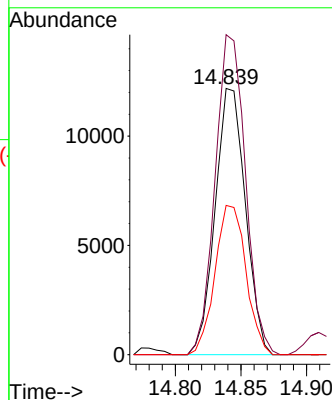
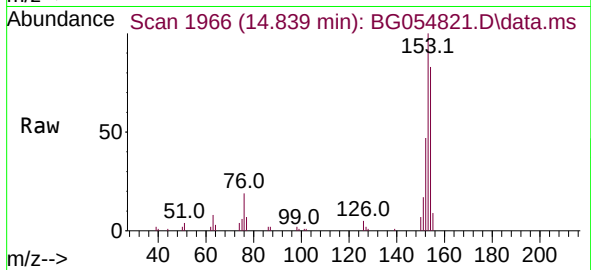
Tgt Ion:154 Resp: 19545

Ion Ratio Lower Upper

154 100

153 120.2 92.8 139.2

152 56.1 45.4 68.2



#56

4-Nitrophenol

Concen: 3.359 ng

RT: 15.174 min Scan# 2023

Delta R.T. 0.199 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

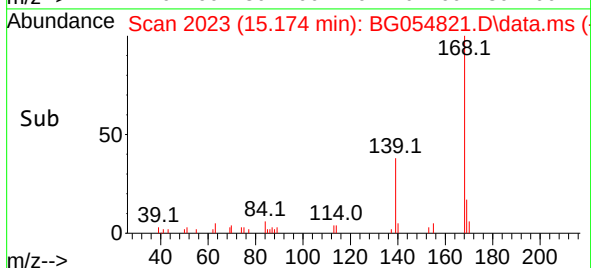
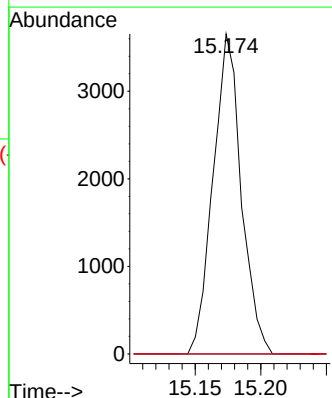
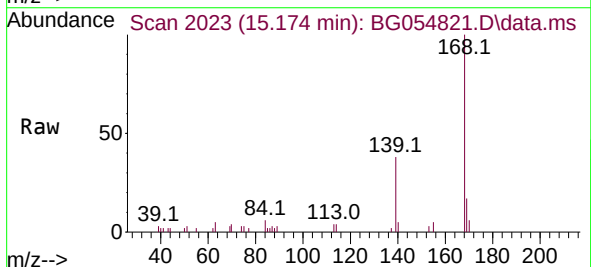
Tgt Ion:139 Resp: 5450

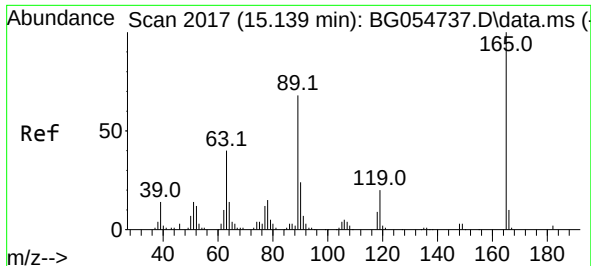
Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

65 0.0 79.9 119.9#





#57

2,4-Dinitrotoluene

Concen: 6.117 ng

RT: 14.780 min Scan# 1956

Delta R.T. -0.359 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

Tgt Ion:165 Resp: 15845

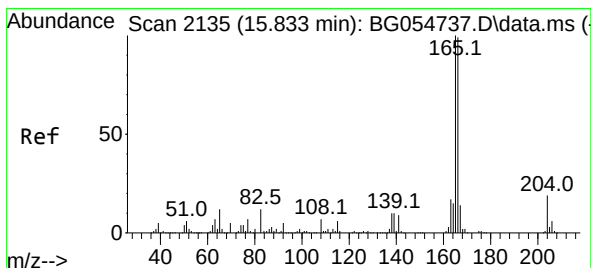
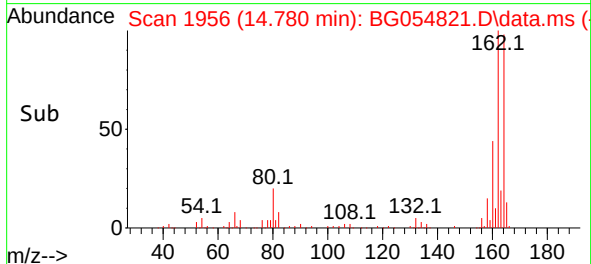
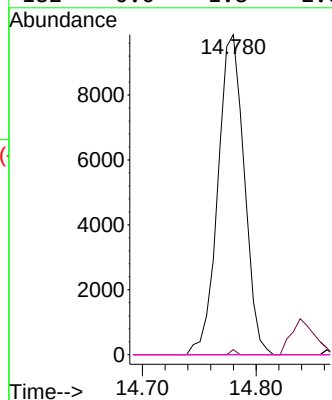
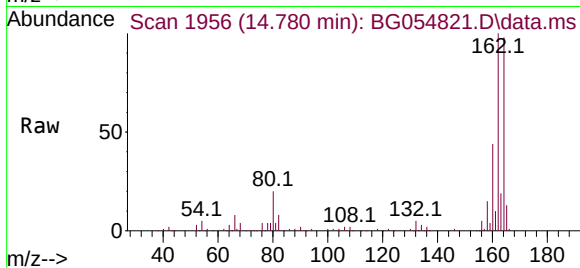
Ion Ratio Lower Upper

165 100

63 1.6 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 2.278 ng

RT: 15.826 min Scan# 2134

Delta R.T. -0.007 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

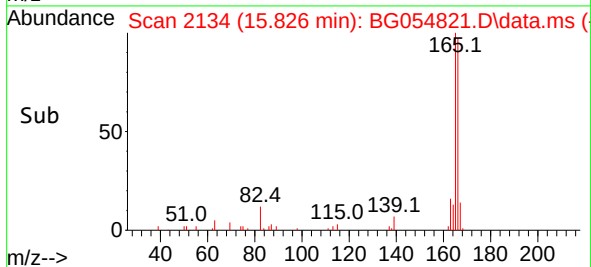
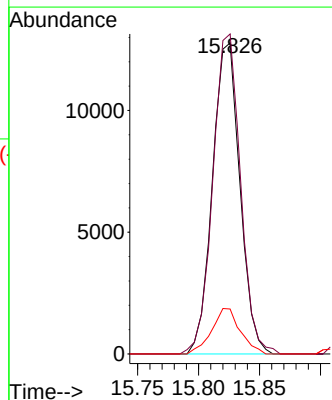
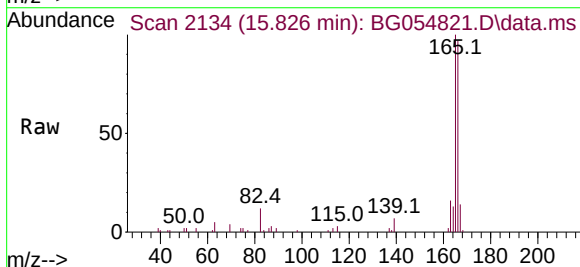
Tgt Ion:166 Resp: 20031

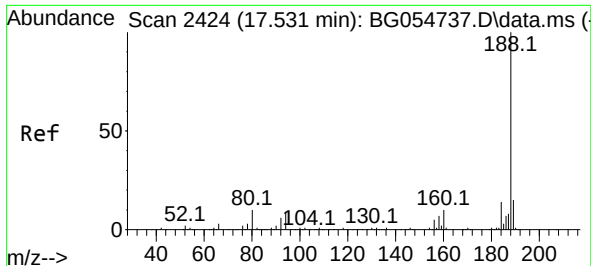
Ion Ratio Lower Upper

166 100

165 102.9 80.8 121.2

167 14.5 11.4 17.0

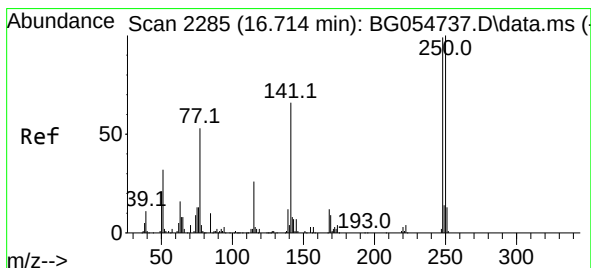
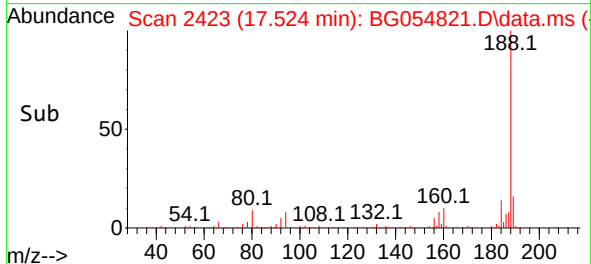
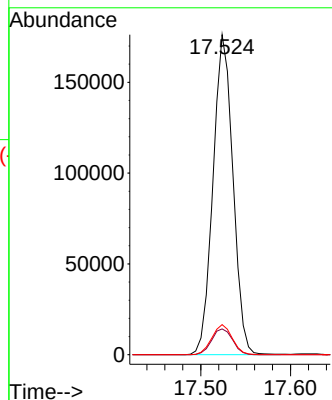
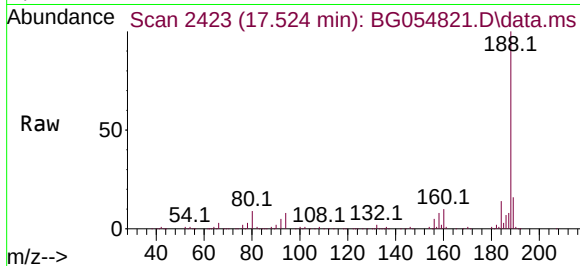




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.524 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

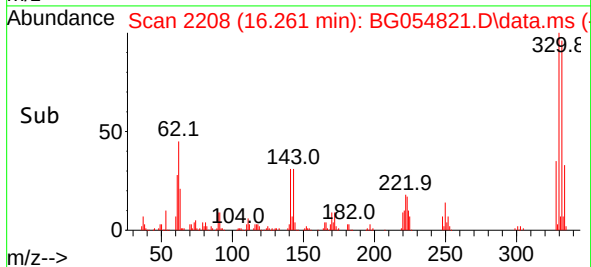
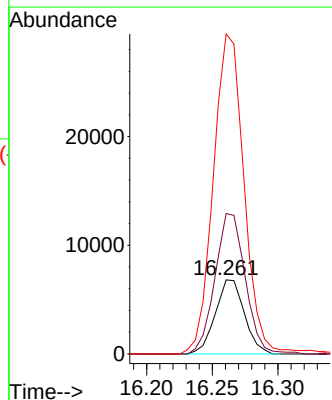
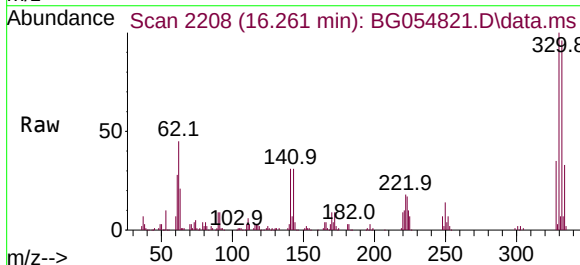
Instrument :
BNA_G
ClientSampleId :
EP-2

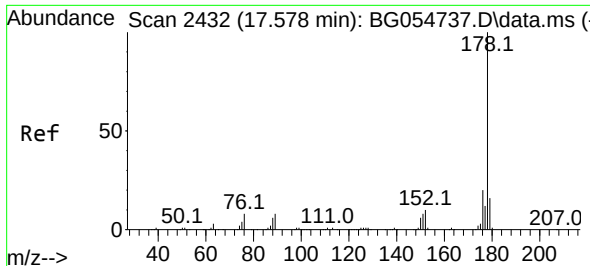
Tgt Ion:188 Resp: 271596
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.4
80 9.4 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.514 ng
RT: 16.261 min Scan# 2208
Delta R.T. -0.454 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:248 Resp: 10479
Ion Ratio Lower Upper
248 100
250 189.8 78.8 118.2#
141 432.3 51.9 77.9#

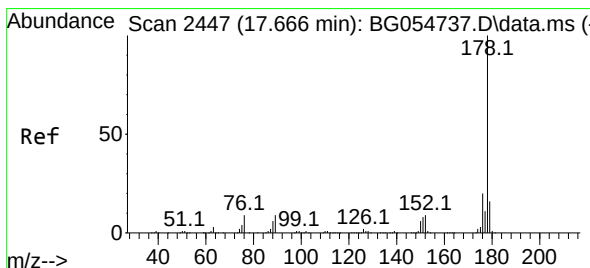
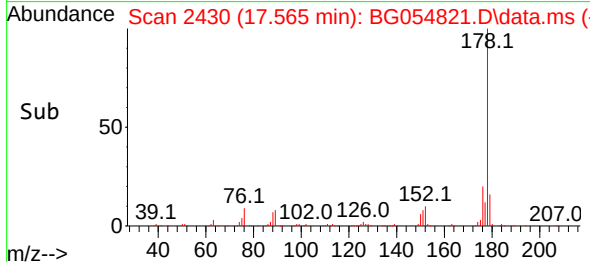
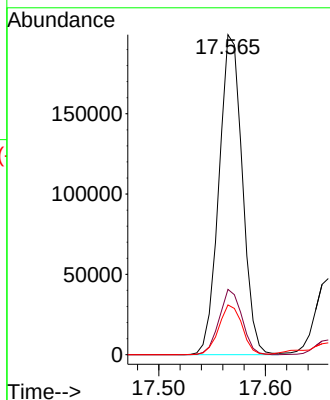
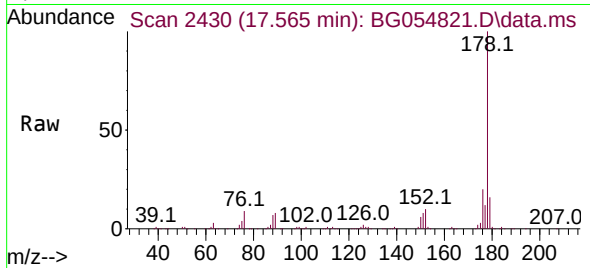




#71
Phenanthrene
Concen: 20.934 ng
RT: 17.565 min Scan# 2432
Delta R.T. -0.013 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

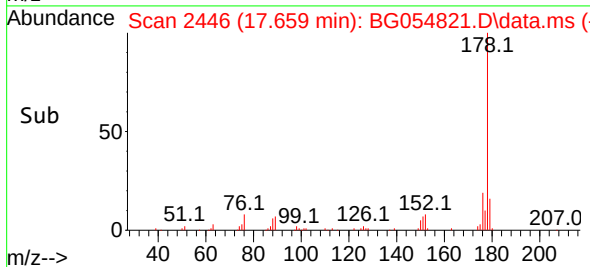
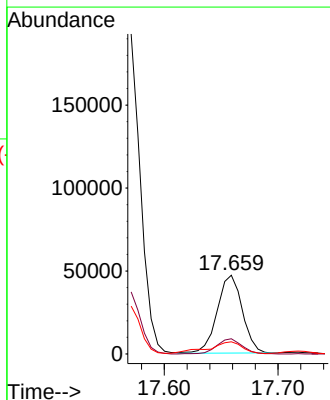
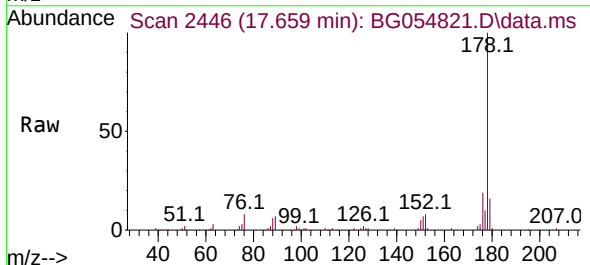
Instrument :
BNA_G
ClientSampleId :
EP-2

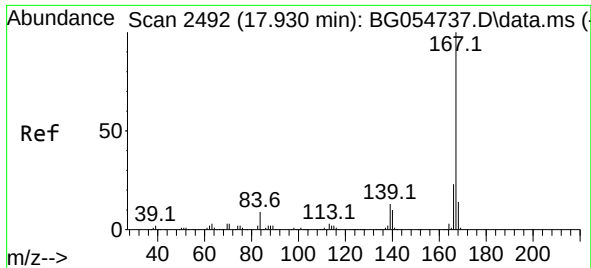
Tgt Ion:178 Resp: 302875
Ion Ratio Lower Upper
178 100
176 20.4 16.6 25.0
179 15.6 12.8 19.2



#72
Anthracene
Concen: 5.139 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:178 Resp: 72293
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.5 12.9 19.3

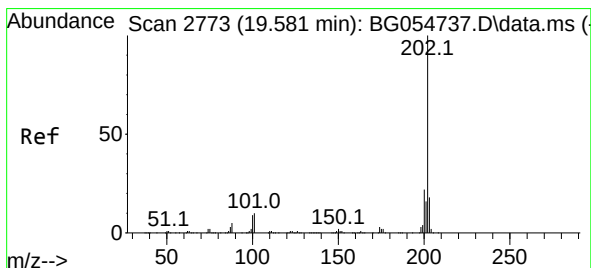
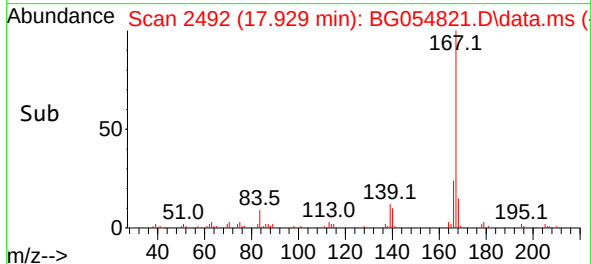
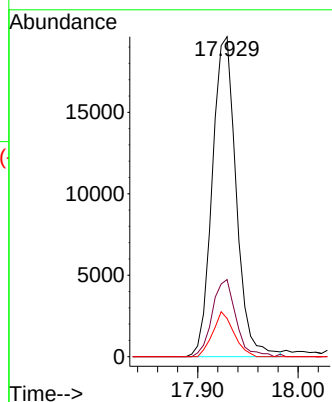
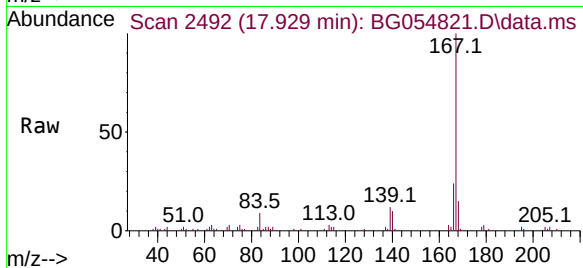




#73
 Carbazole
 Concen: 2.509 ng
 RT: 17.929 min Scan# 2492
 Delta R.T. -0.001 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

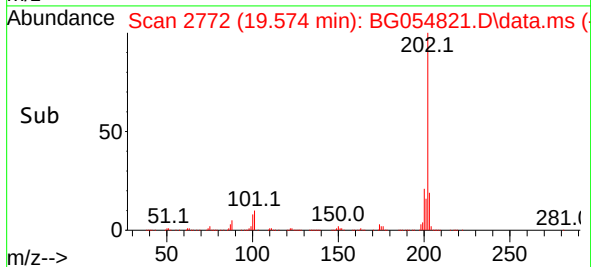
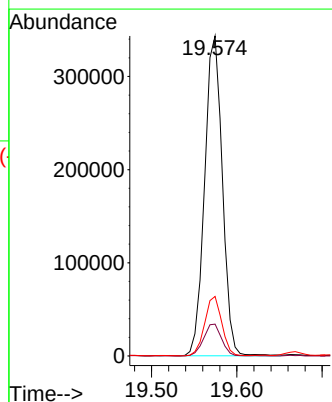
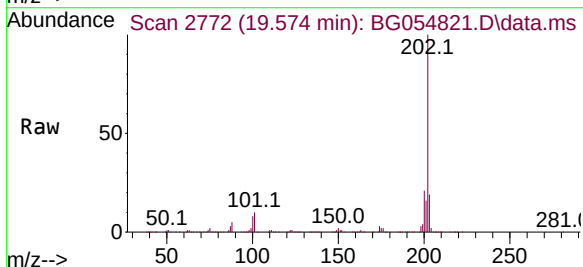
Instrument :
 BNA_G
 ClientSampleId :
 EP-2

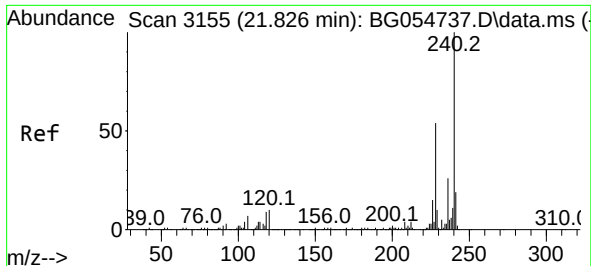
Tgt Ion:167 Resp: 32512
 Ion Ratio Lower Upper
 167 100
 166 24.1 18.8 28.2
 139 11.9 10.2 15.4



#75
 Fluoranthene
 Concen: 28.178 ng
 RT: 19.574 min Scan# 2772
 Delta R.T. -0.007 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

Tgt Ion:202 Resp: 495940
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.4
 203 18.6 0.0 38.6

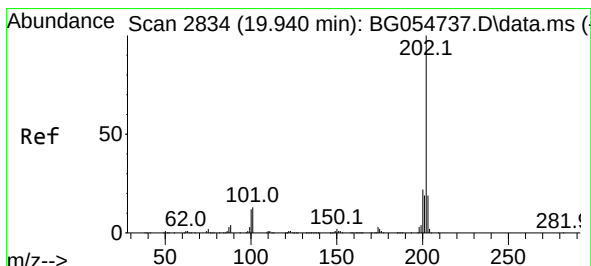
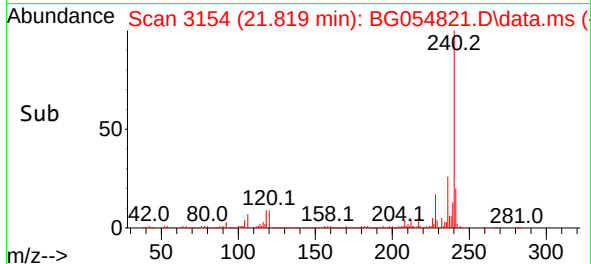
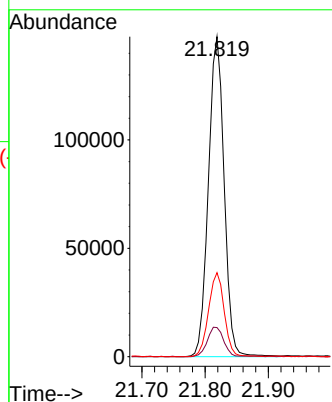
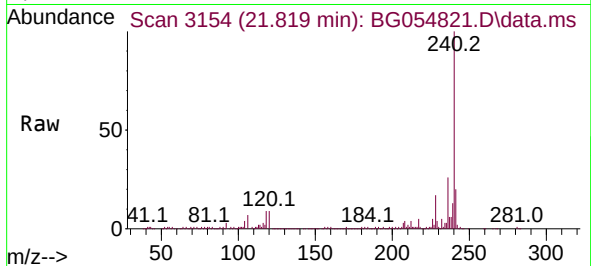




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

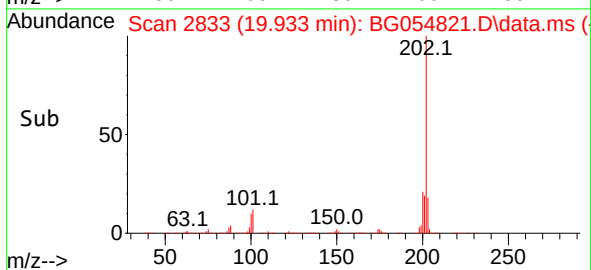
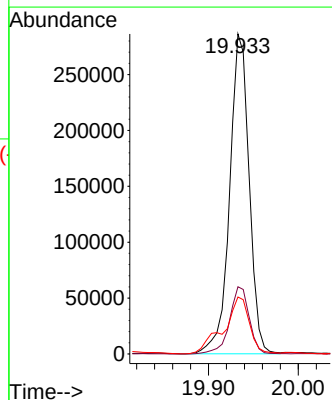
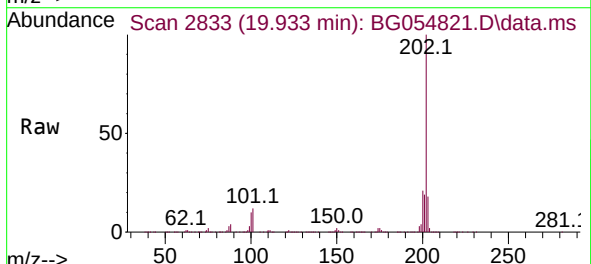
Instrument :
BNA_G
ClientSampleId :
EP-2

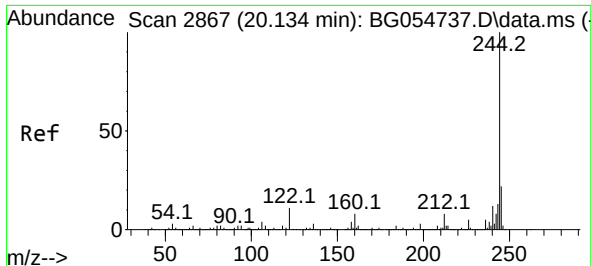
Tgt Ion:240 Resp: 255888
Ion Ratio Lower Upper
240 100
120 9.1 8.2 12.4
236 26.3 21.2 31.8



#78
Pyrene
Concen: 24.117 ng
RT: 19.933 min Scan# 2833
Delta R.T. -0.007 min
Lab File: BG054821.D
Acq: 1 Sep 2022 14:04

Tgt Ion:202 Resp: 430323
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 17.8 14.6 21.8

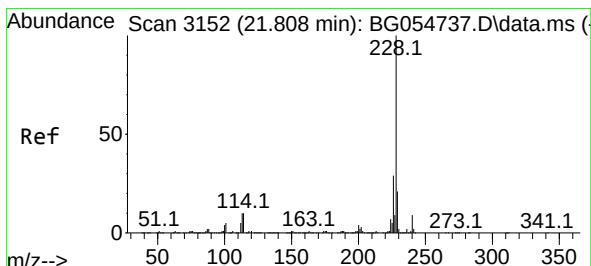
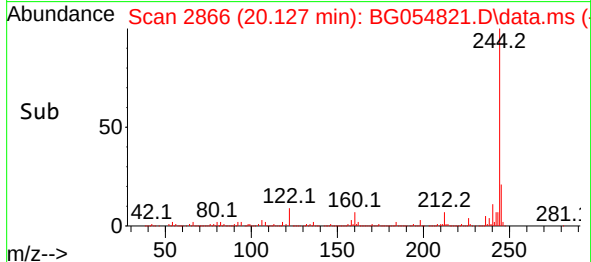
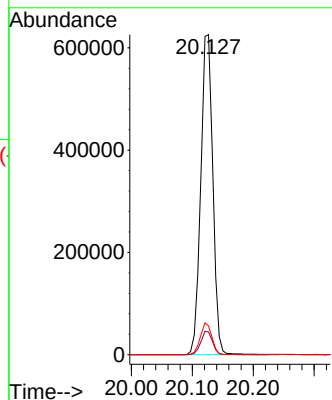
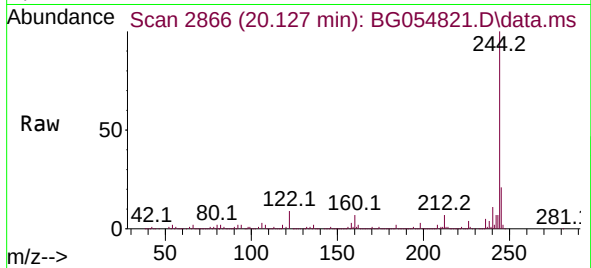




#79
 Terphenyl-d14
 Concen: 66.853 ng
 RT: 20.127 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

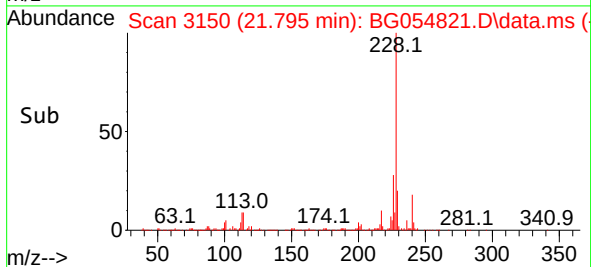
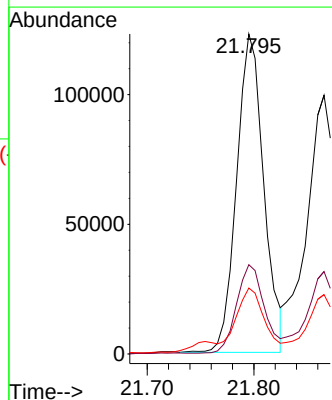
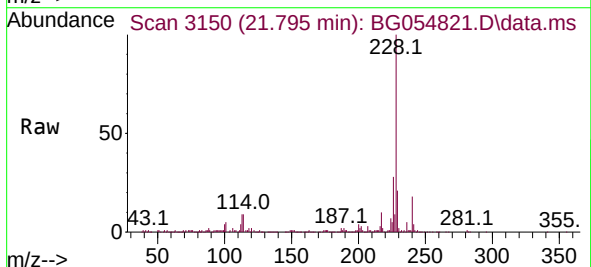
Instrument :
 BNA_G
 ClientSampleId :
 EP-2

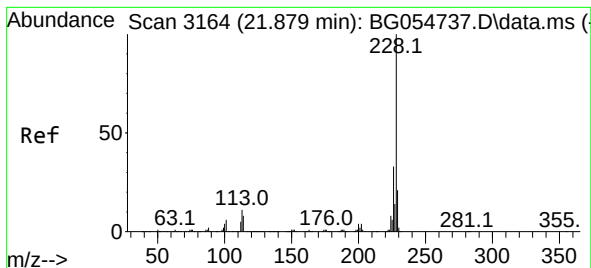
Tgt Ion:244 Resp: 863378
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 9.0 9.0 13.6#



#81
 Benzo(a)anthracene
 Concen: 12.516 ng
 RT: 21.795 min Scan# 3150
 Delta R.T. -0.013 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

Tgt Ion:228 Resp: 217151
 Ion Ratio Lower Upper
 228 100
 226 27.9 23.4 35.2
 229 20.6 16.5 24.7





#83

Chrysene

Concen: 11.099 ng

RT: 21.866 min Scan# 3164

Delta R.T. -0.013 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

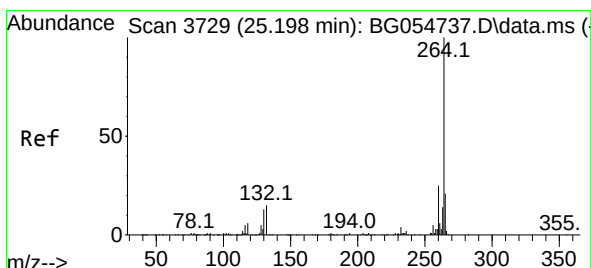
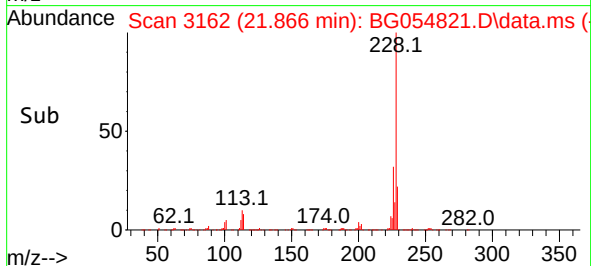
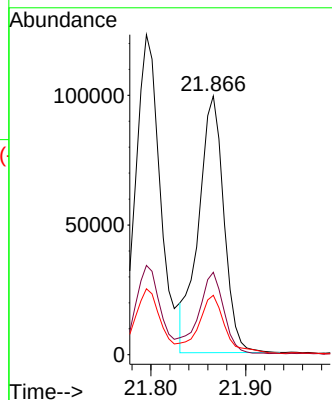
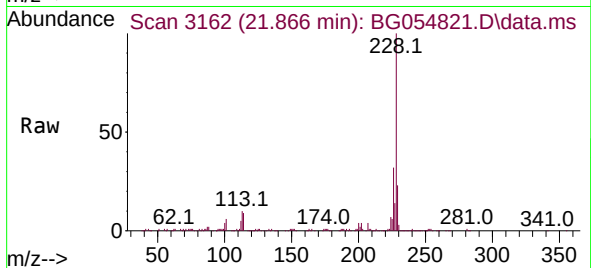
Tgt Ion:228 Resp: 184115

Ion Ratio Lower Upper

228 100

226 31.9 25.5 38.3

229 23.0 16.8 25.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.185 min Scan# 3727

Delta R.T. -0.013 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

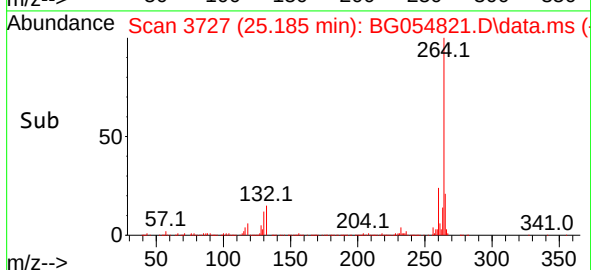
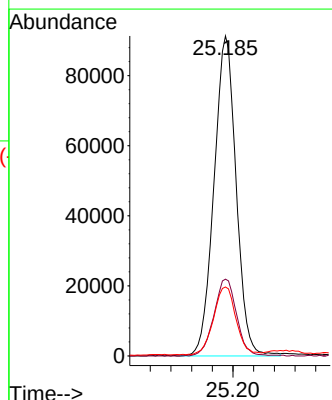
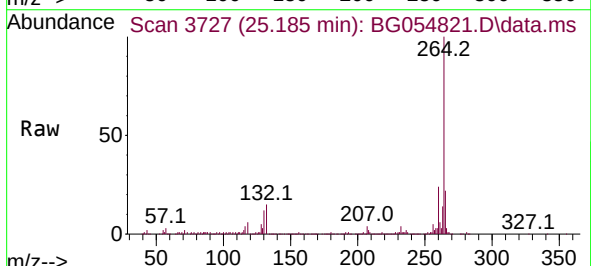
Tgt Ion:264 Resp: 271210

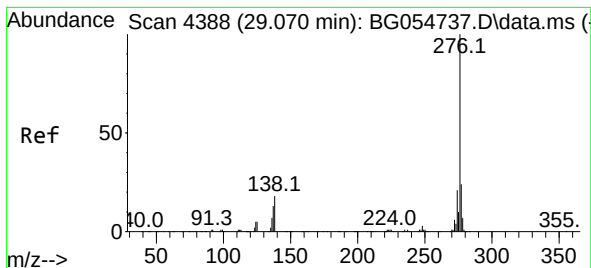
Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 21.6 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.460 ng

RT: 29.040 min Scan# 41

Delta R.T. -0.030 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

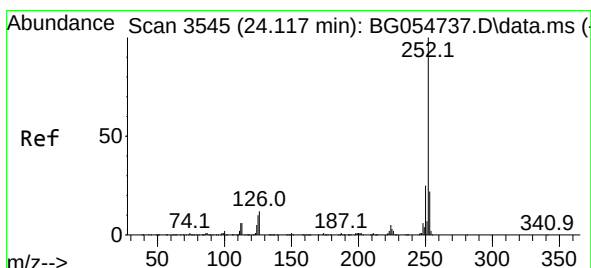
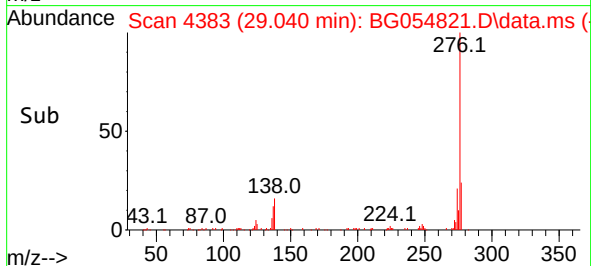
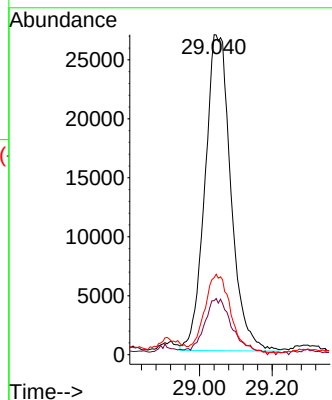
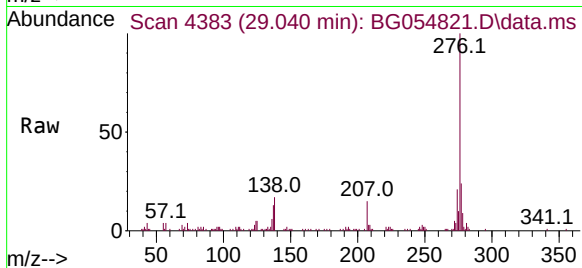
Tgt Ion:276 Resp: 133002

Ion Ratio Lower Upper

276 100

138 19.2 12.0 18.0#

277 25.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 15.427 ng

RT: 24.104 min Scan# 3543

Delta R.T. -0.013 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

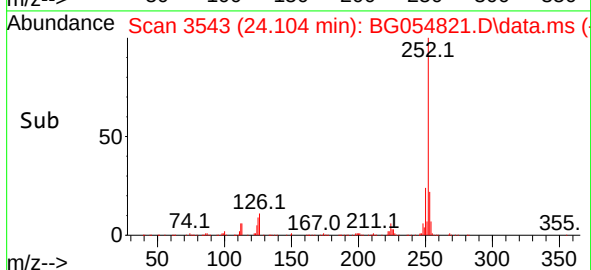
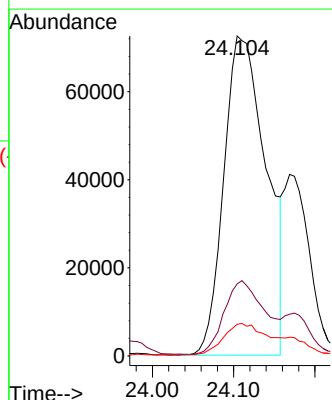
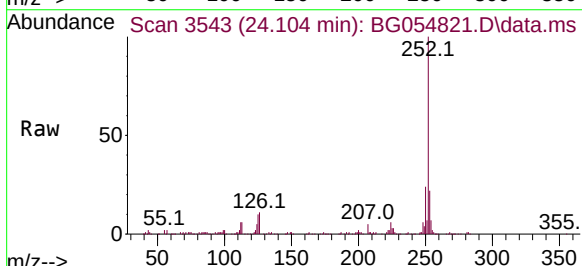
Tgt Ion:252 Resp: 262468

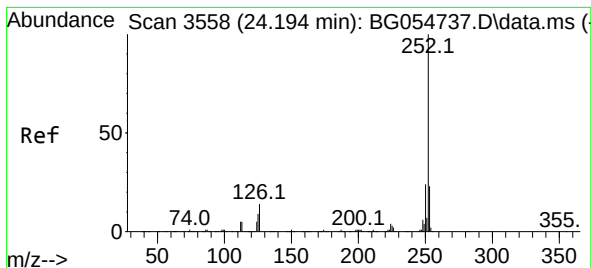
Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 9.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 15.337 ng

RT: 24.104 min Scan# 3

Delta R.T. -0.089 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

Instrument :

BNA_G

ClientSampleId :

EP-2

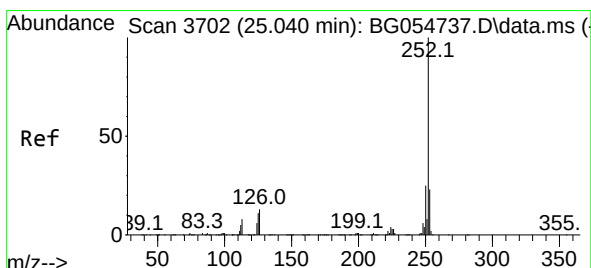
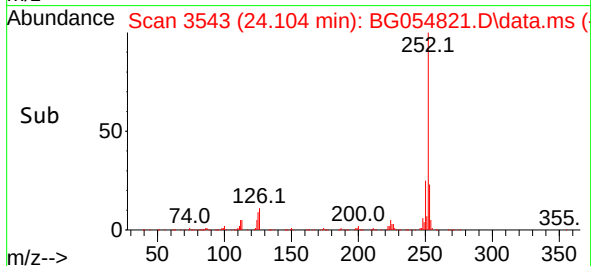
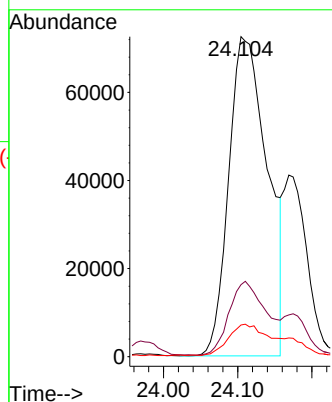
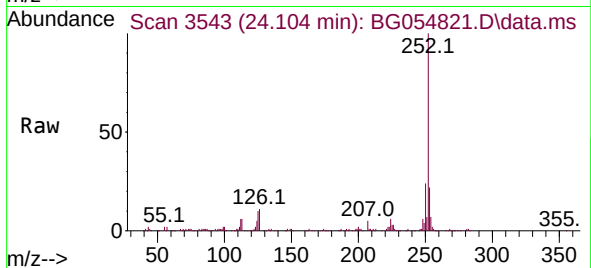
Tgt Ion:252 Resp: 262605

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 9.9 8.2 12.4



#90

Benzo(a)pyrene

Concen: 13.227 ng

RT: 25.021 min Scan# 3699

Delta R.T. -0.019 min

Lab File: BG054821.D

Acq: 1 Sep 2022 14:04

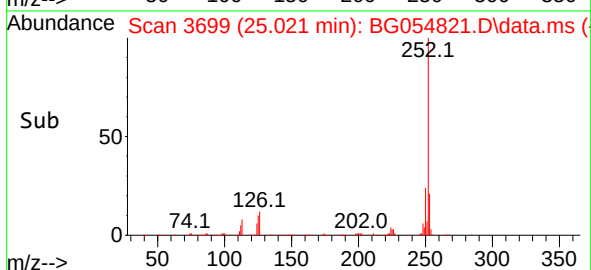
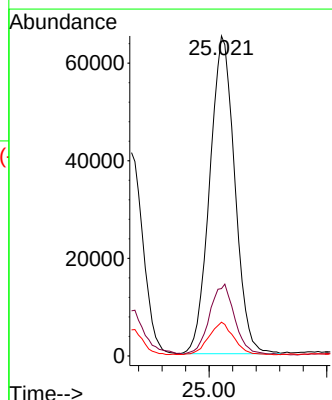
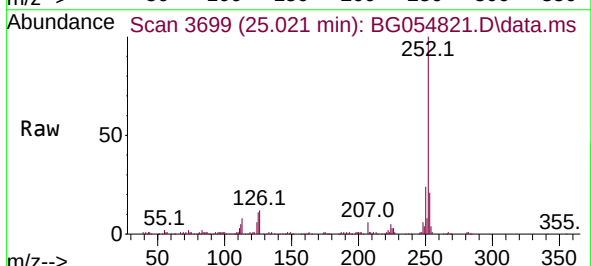
Tgt Ion:252 Resp: 192267

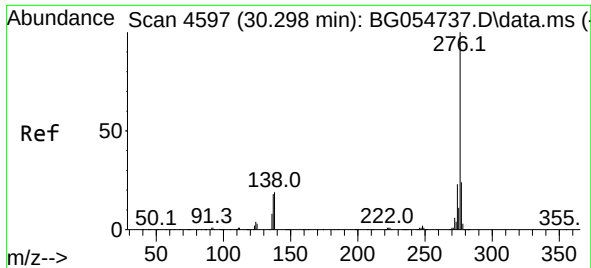
Ion Ratio Lower Upper

252 100

253 21.0 18.3 27.5

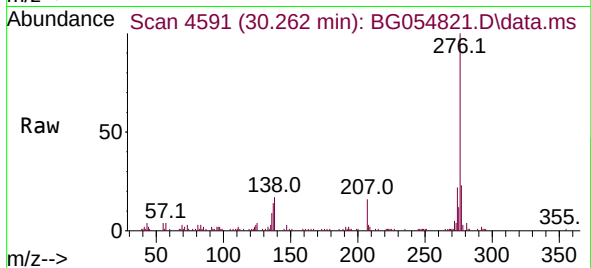
125 10.5 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.004 ng
 RT: 30.262 min Scan# 4
 Delta R.T. -0.036 min
 Lab File: BG054821.D
 Acq: 1 Sep 2022 14:04

Instrument :
 BNA_G
 ClientSampleId :
 EP-2



Tgt Ion:276 Resp: 135628
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.4 29.0
 138 16.9 16.6 25.0

