

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054823.D
 Acq On : 1 Sep 2022 15:29
 Operator : CG/JU
 Sample : N4433-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-4

Quant Time: Sep 01 16:05:44 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)

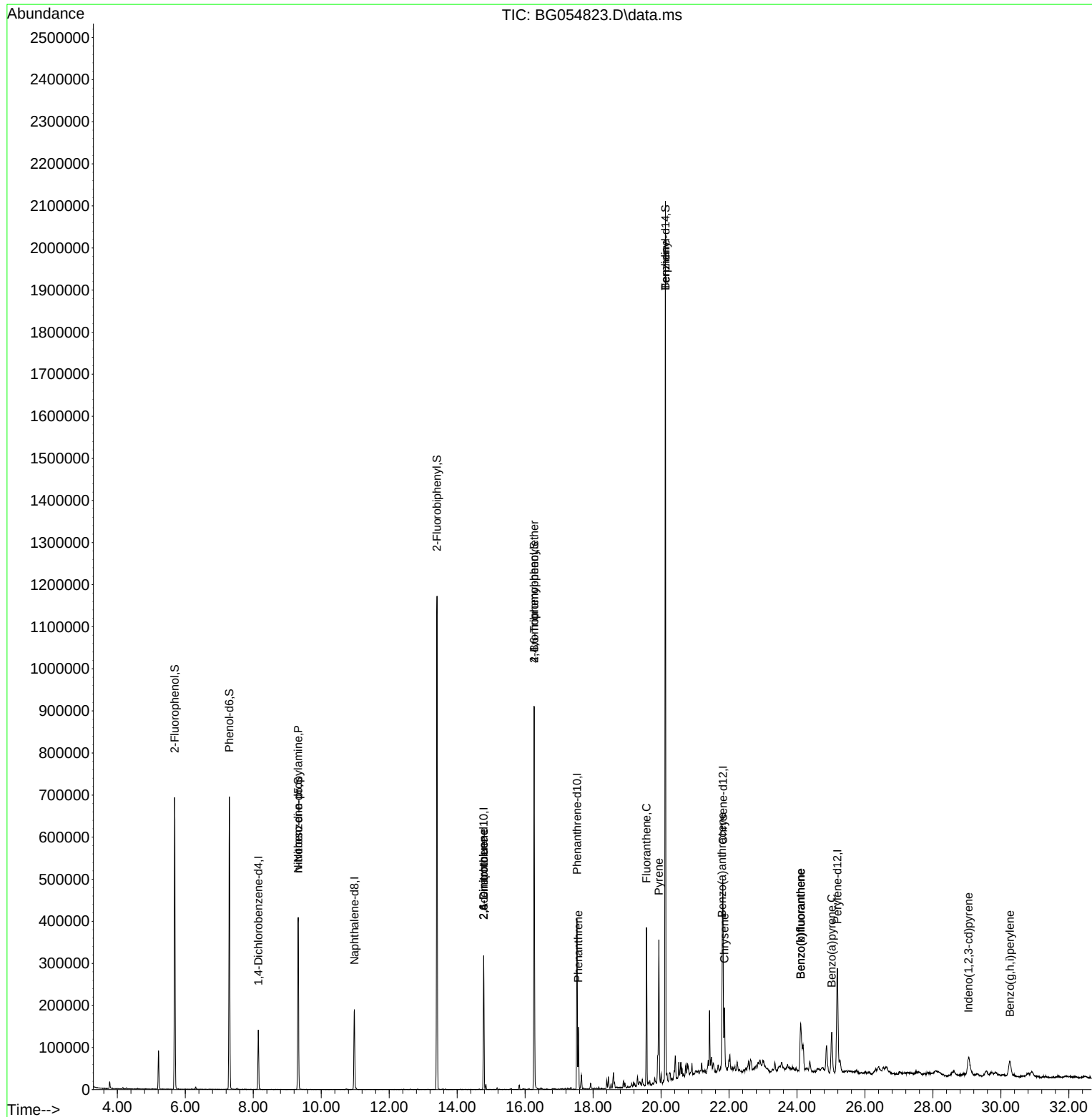
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	43022	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	177771	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	116741	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	269766	20.000	ng	0.00
76) Chrysene-d12	21.819	240	258304	20.000	ng	0.00
86) Perylene-d12	25.186	264	273014	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	328896	133.124	ng	0.00
7) Phenol-d6	7.295	99	440880	130.486	ng	0.00
23) Nitrobenzene-d5	9.322	82	266881	78.811	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	200834	137.675	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	640186	82.423	ng	0.00
79) Terphenyl-d14	20.127	244	1063595	81.586	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	33763	14.531	ng	# 74
51) 2,6-Dinitrotoluene	14.775	165	15366	8.353	ng	# 22
57) 2,4-Dinitrotoluene	14.775	165	15366	6.039	ng	# 19
67) 4-Bromophenyl-phenylether	16.267	248	13060	4.409	ng	# 1
71) Phenanthrene	17.566	178	95191	6.624	ng	98
75) Fluoranthene	19.569	202	245233	14.028	ng	97
77) Benzidine	20.127	184	15435	2.413	ng	# 91
78) Pyrene	19.933	202	227694	12.642	ng	98
81) Benzo(a)anthracene	21.796	228	125186	7.148	ng	97
83) Chrysene	21.866	228	113426	6.773	ng	97
87) Indeno(1,2,3-cd)pyrene	29.046	276	78070	3.767	ng	# 92
88) Benzo(b)fluoranthene	24.105	252	158213	9.238	ng	99
89) Benzo(k)fluoranthene	24.105	252	158213	9.179	ng	99
90) Benzo(a)pyrene	25.022	252	113831	7.780	ng	100
92) Benzo(g,h,i)perylene	30.268	276	78933	4.627	ng	96

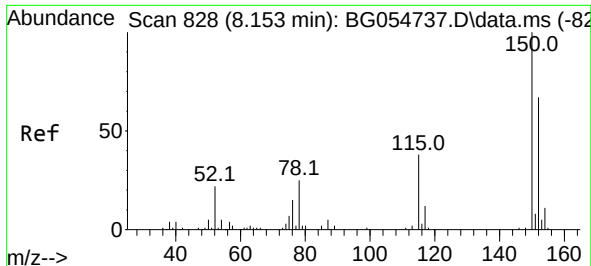
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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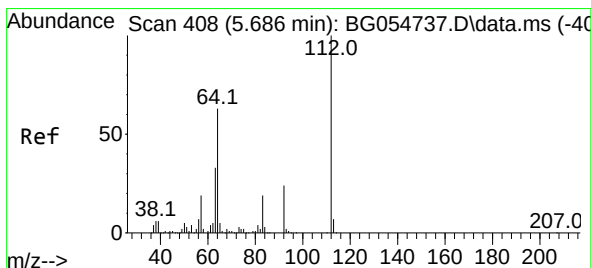
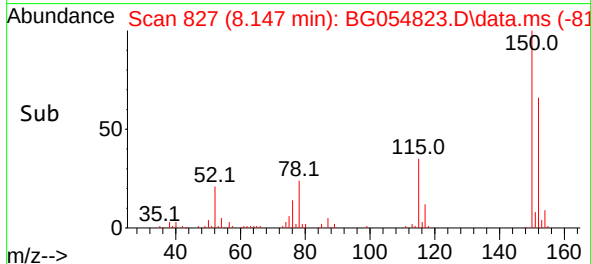
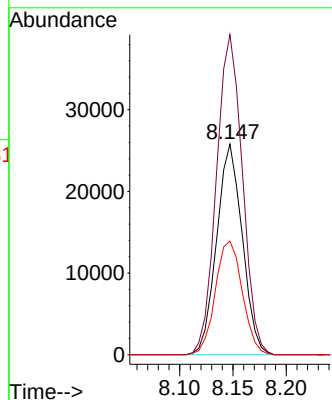
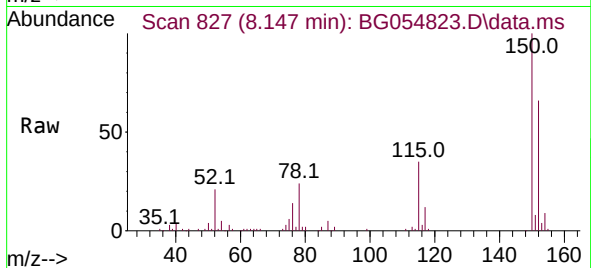




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

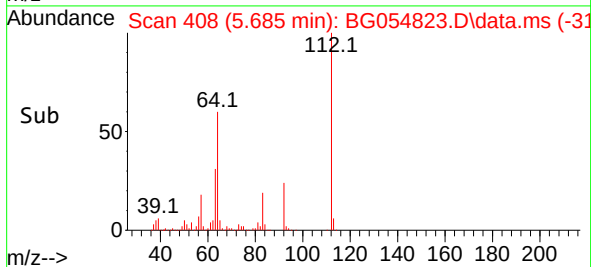
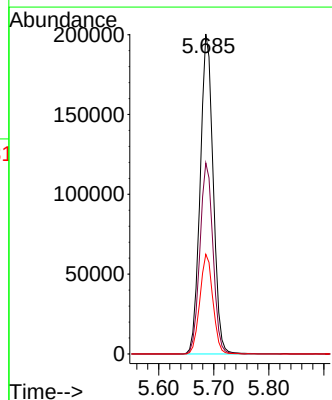
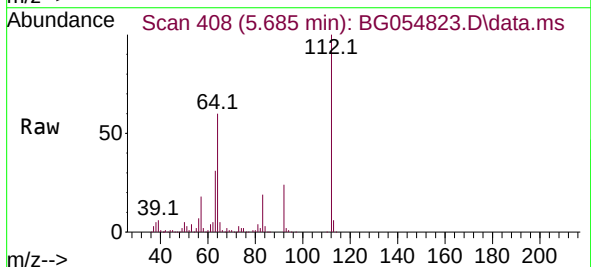
Instrument :
BNA_G
ClientSampleId :
EP-4

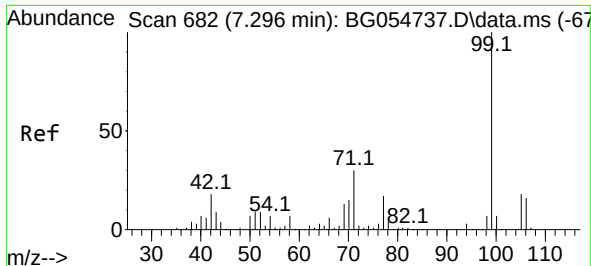
Tgt Ion:152 Resp: 43022
Ion Ratio Lower Upper
152 100
150 151.9 125.2 187.8
115 53.9 47.9 71.9



#5
2-Fluorophenol
Concen: 133.124 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.000 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:112 Resp: 328896
Ion Ratio Lower Upper
112 100
64 59.7 49.3 73.9
63 31.2 26.3 39.5

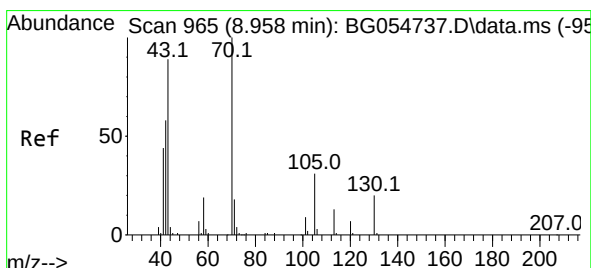
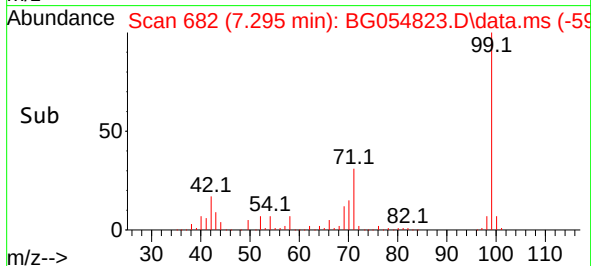
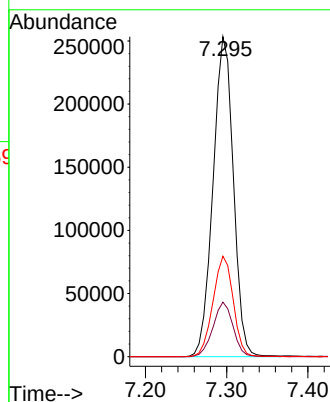
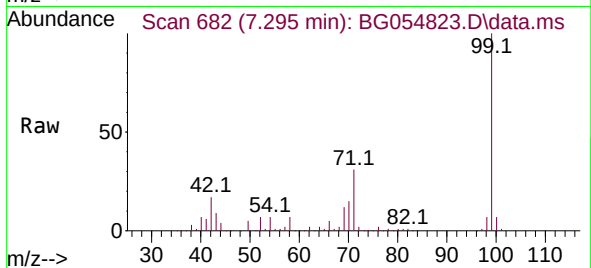




#7
Phenol-d6
Concen: 130.486 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

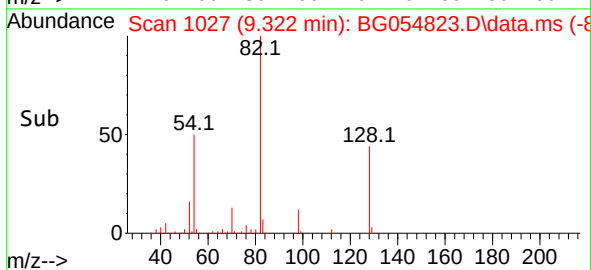
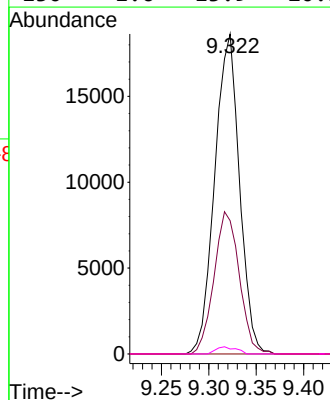
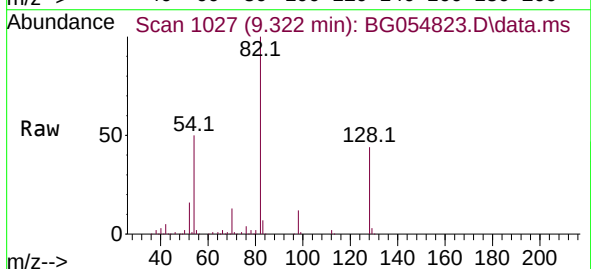
Instrument :
BNA_G
ClientSampleId :
EP-4

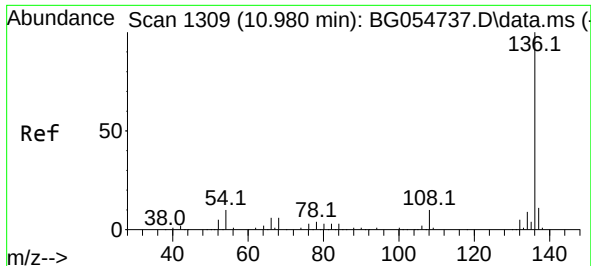
Tgt Ion: 99 Resp: 440880
Ion Ratio Lower Upper
99 100
42 17.1 14.6 22.0
71 31.4 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.531 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.364 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion: 70 Resp: 33763
Ion Ratio Lower Upper
70 100
42 41.6 46.6 69.8#
101 0.0 7.7 11.5#
130 1.6 13.9 20.9#



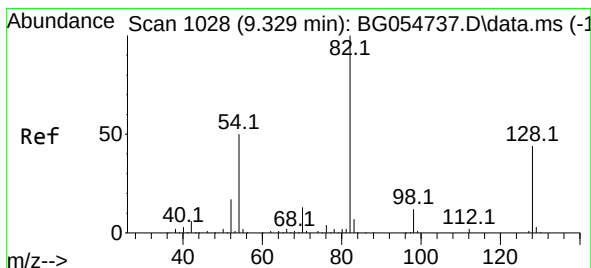
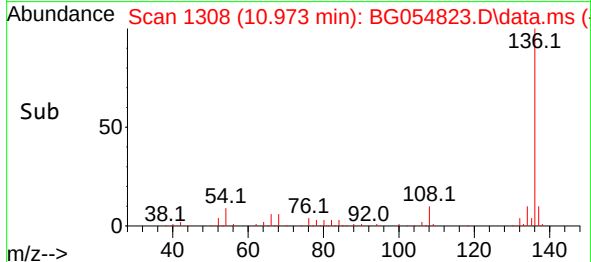
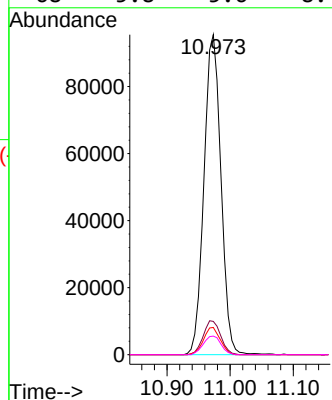
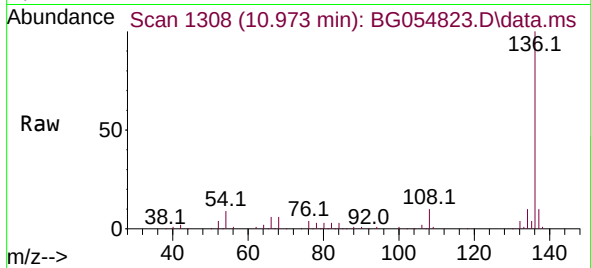


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Instrument :
BNA_G
ClientSampleId :
EP-4

Tgt Ion:136 Resp: 177771

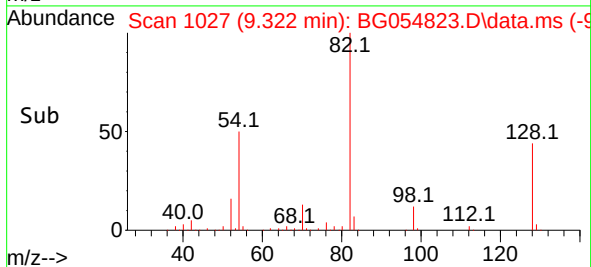
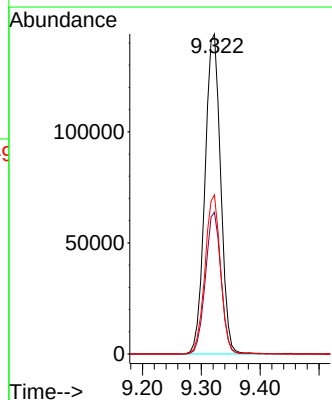
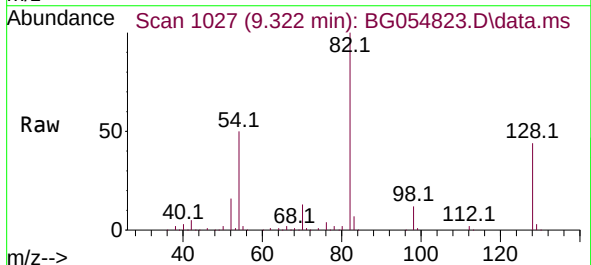
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	8.5	7.7	11.5
68	5.8	5.6	8.4

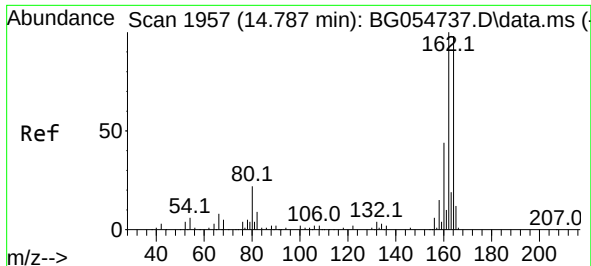


#23
Nitrobenzene-d5
Concen: 78.811 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion: 82 Resp: 266881

Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.2	48.2
54	49.7	41.4	62.0

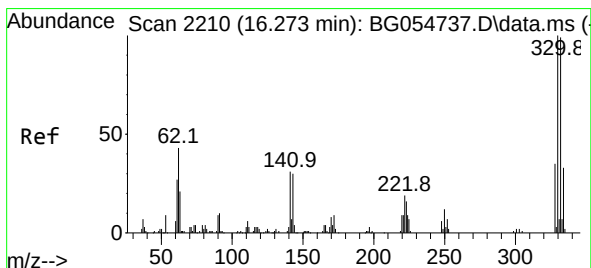
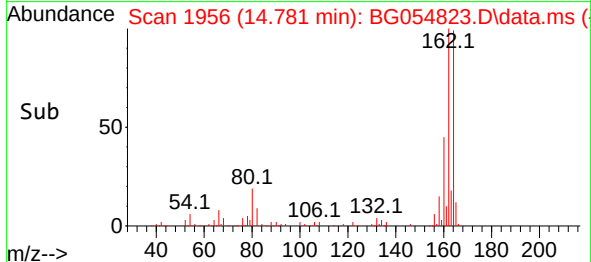
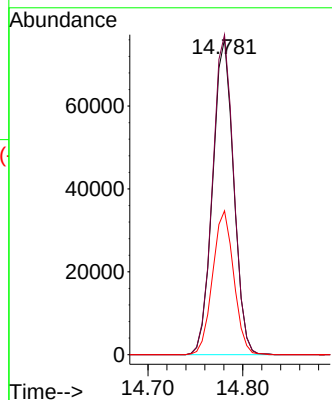
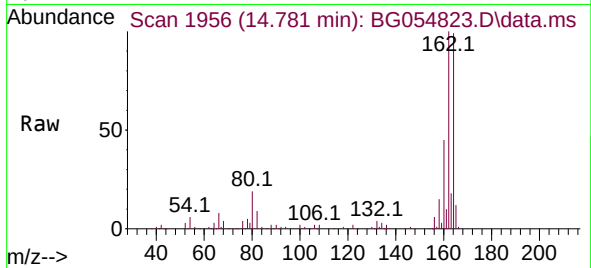




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

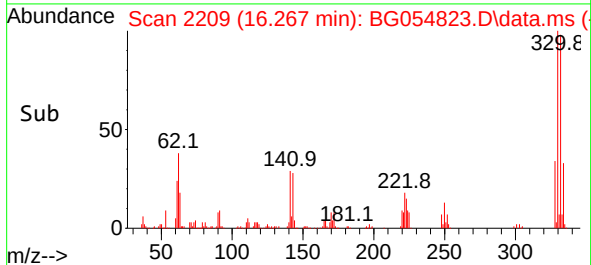
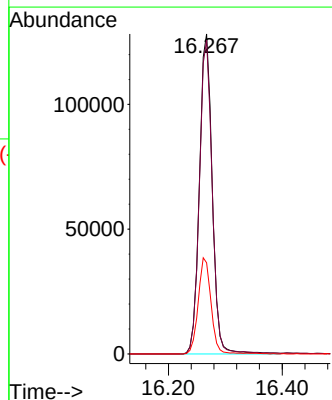
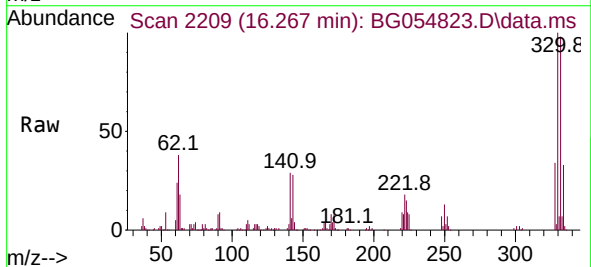
Instrument :
BNA_G
ClientSampleId :
EP-4

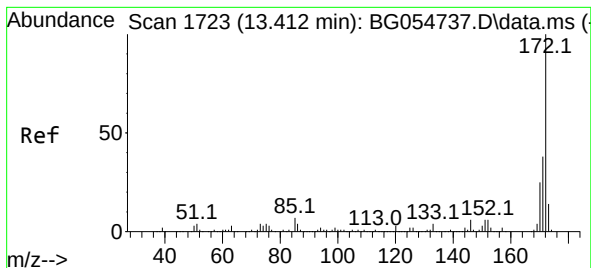
Tgt Ion:164 Resp: 116741
Ion Ratio Lower Upper
164 100
162 101.4 83.0 124.4
160 45.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 137.675 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:330 Resp: 200834
Ion Ratio Lower Upper
330 100
332 97.7 79.8 119.6
141 30.3 26.8 40.2

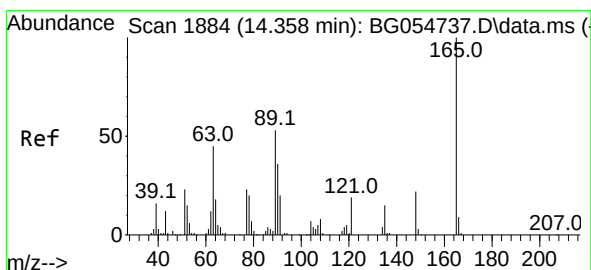
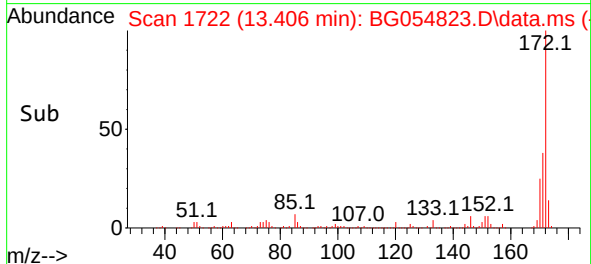
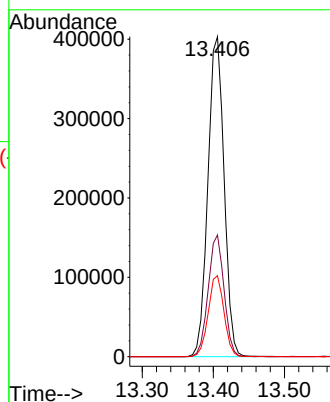
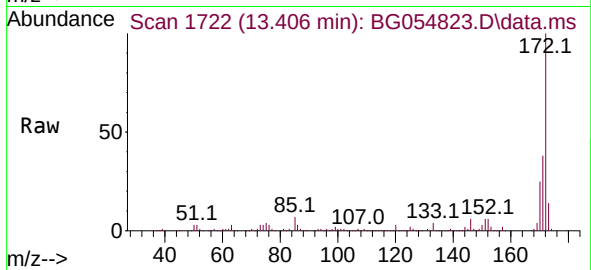




#45
2-Fluorobiphenyl
Concen: 82.423 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

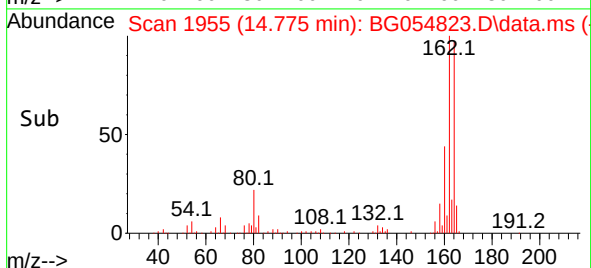
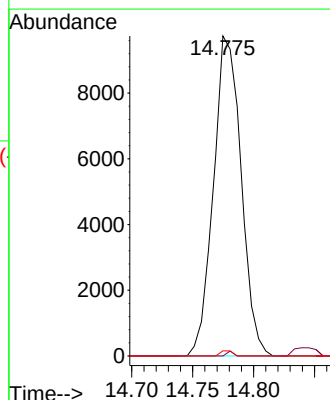
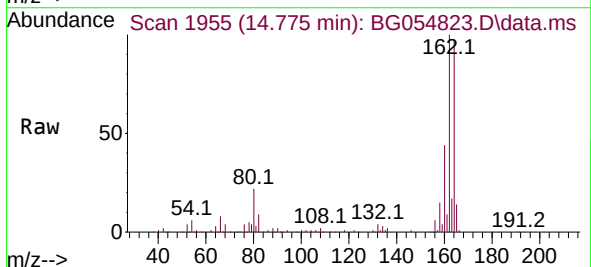
Instrument :
BNA_G
ClientSampleId :
EP-4

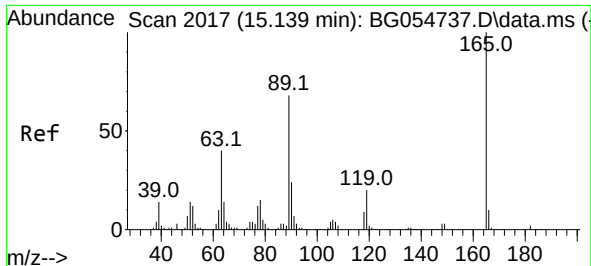
Tgt Ion:172 Resp: 640186
Ion Ratio Lower Upper
172 100
171 38.0 31.2 46.8
170 25.3 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.353 ng
RT: 14.775 min Scan# 1955
Delta R.T. 0.417 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:165 Resp: 15366
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.6 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 6.039 ng

RT: 14.775 min Scan# 1955

Delta R.T. -0.365 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

EP-4

Tgt Ion:165 Resp: 15366

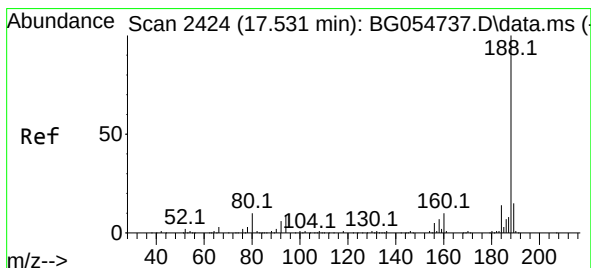
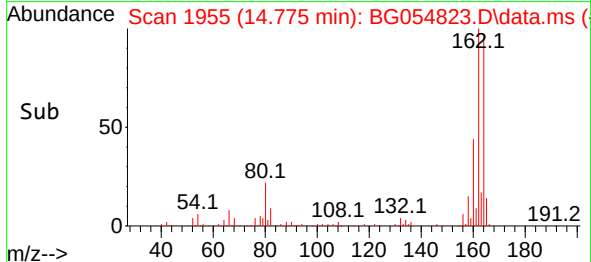
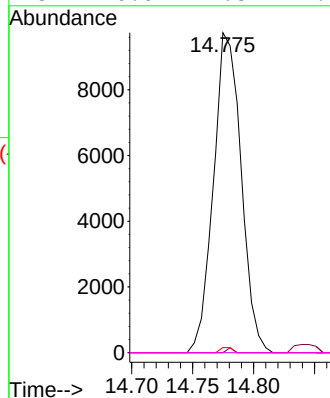
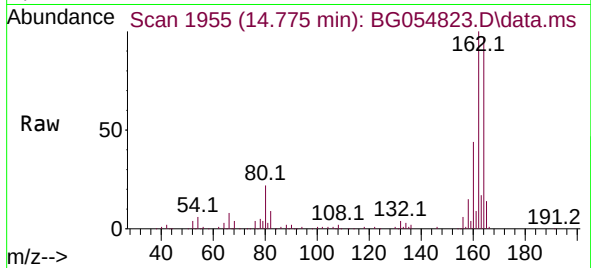
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 1.6 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.524 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

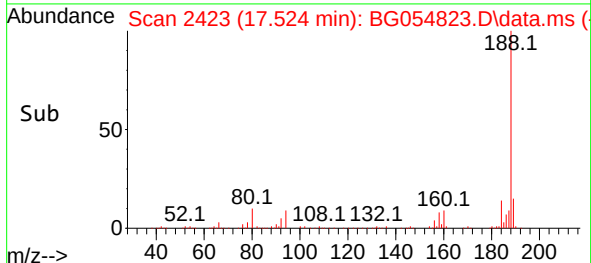
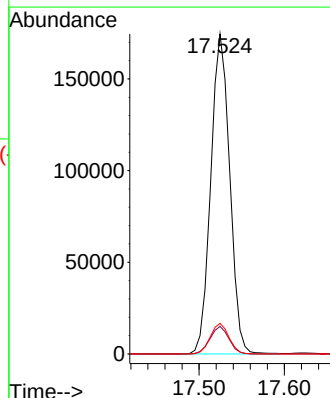
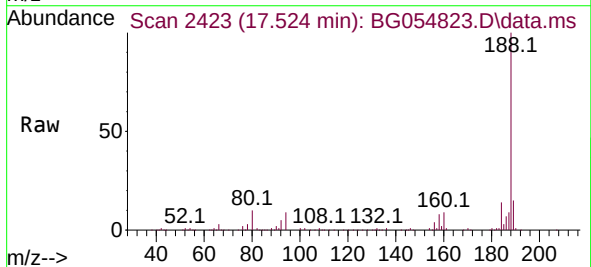
Tgt Ion:188 Resp: 269766

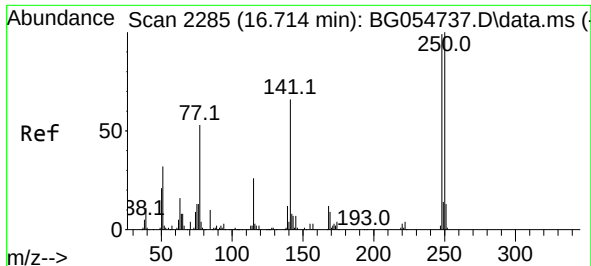
Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 9.5 7.9 11.9

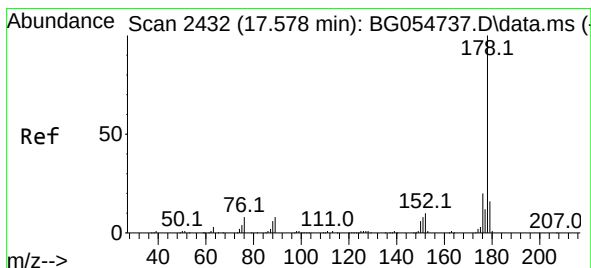
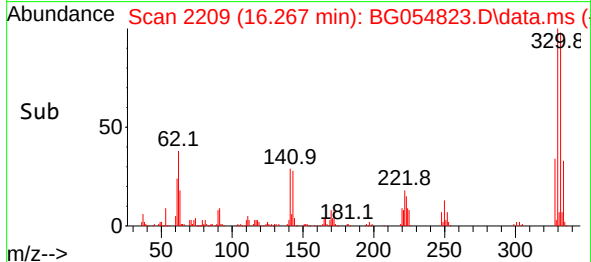
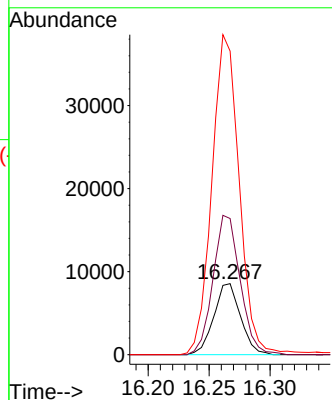
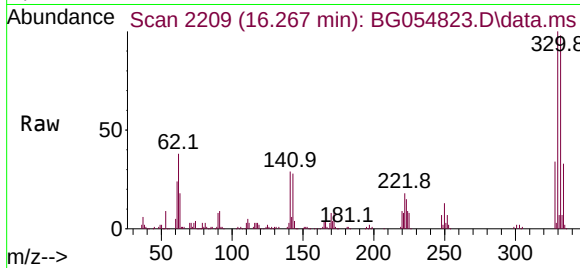




#67
4-Bromophenyl-phenylether
Concen: 4.409 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

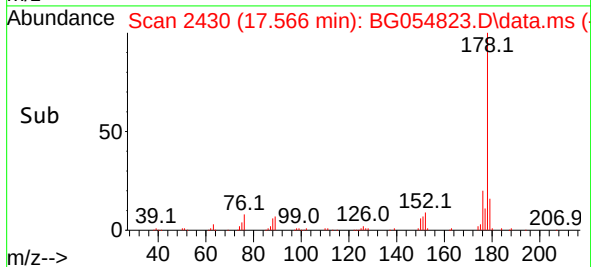
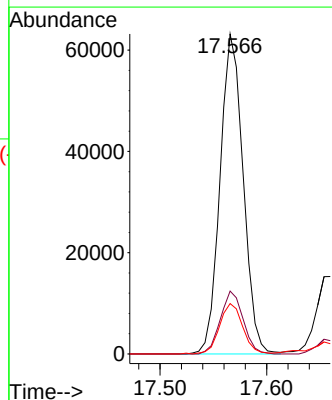
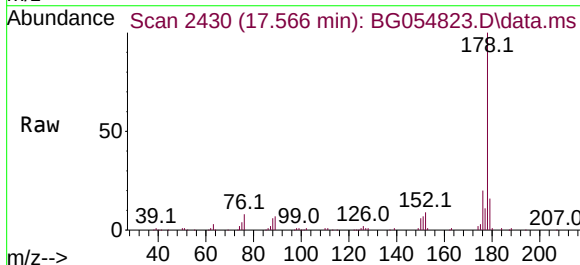
Instrument :
BNA_G
ClientSampleId :
EP-4

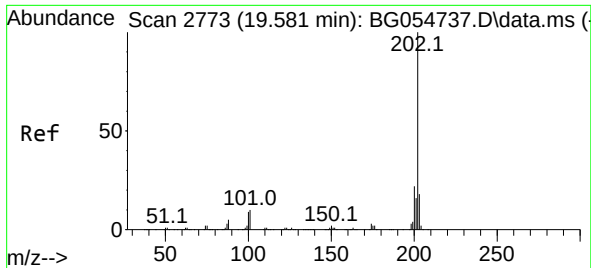
Tgt Ion:248 Resp: 13060
Ion Ratio Lower Upper
248 100
250 191.5 78.8 118.2#
141 427.0 51.9 77.9#



#71
Phenanthrene
Concen: 6.624 ng
RT: 17.566 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:178 Resp: 95191
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 15.7 12.8 19.2

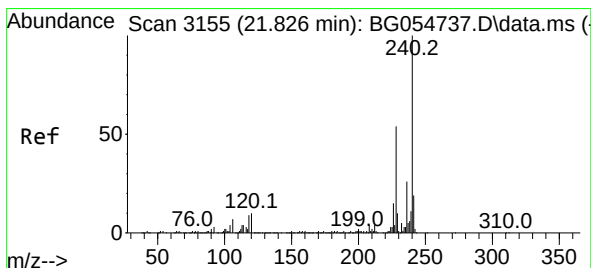
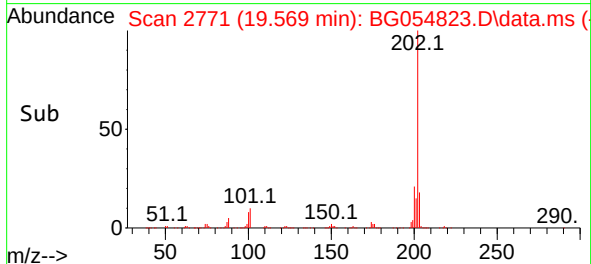
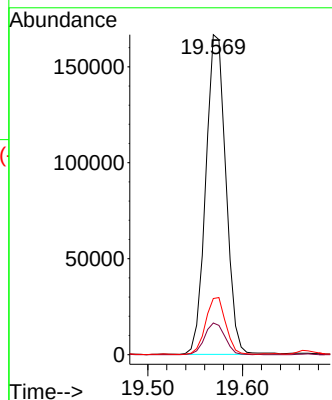
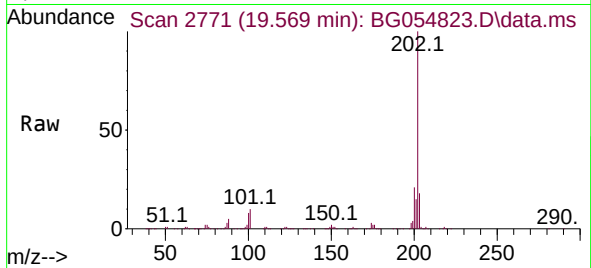




#75
Fluoranthene
Concen: 14.028 ng
RT: 19.569 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

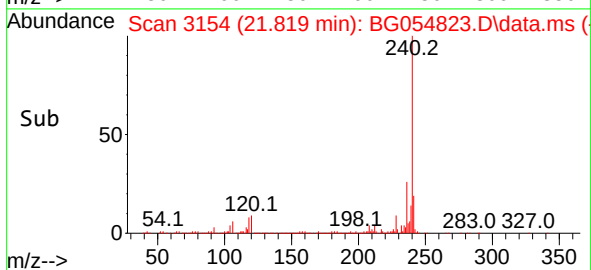
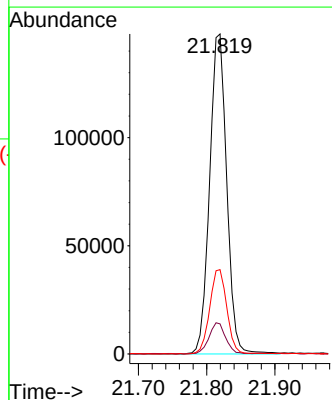
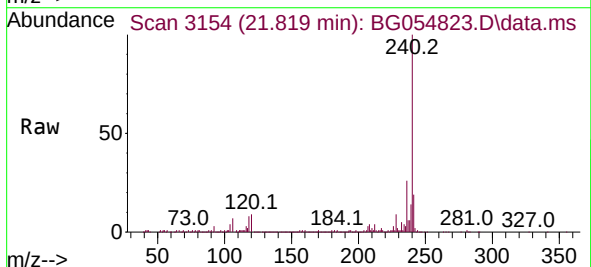
Instrument :
BNA_G
ClientSampleId :
EP-4

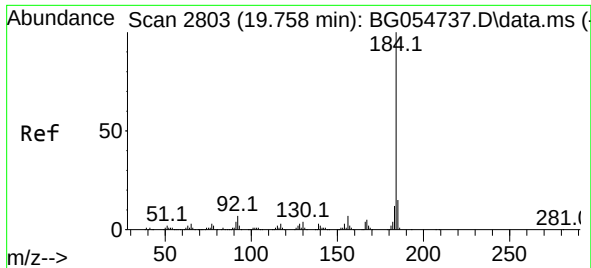
Tgt Ion:202 Resp: 245233
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.4
203 17.6 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:240 Resp: 258304
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.4
236 26.4 21.2 31.8

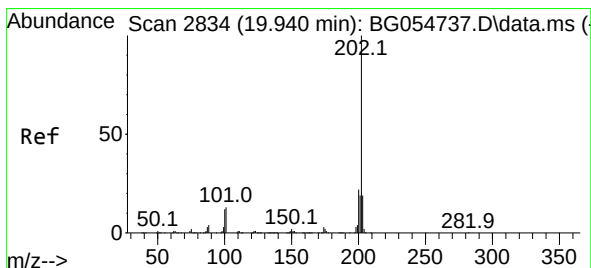
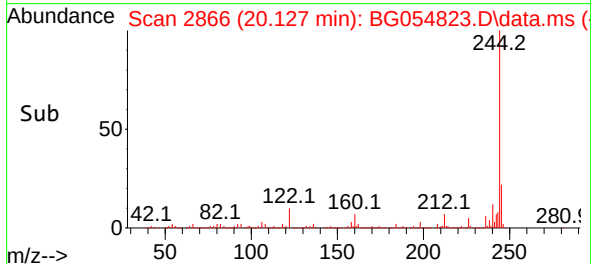
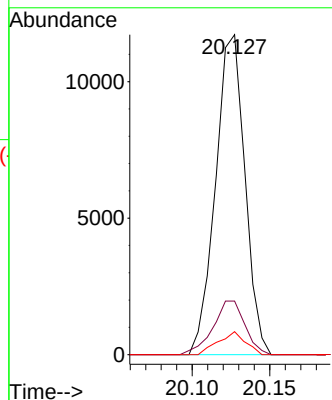
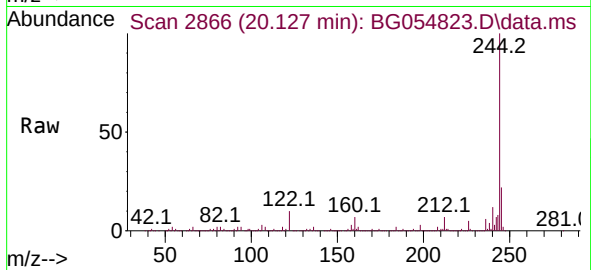




#77
Benzidine
Concen: 2.413 ng
RT: 20.127 min Scan# 2866
Delta R.T. 0.370 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

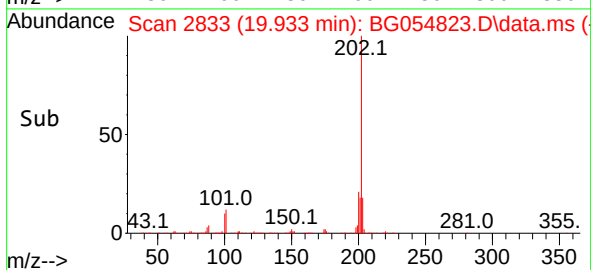
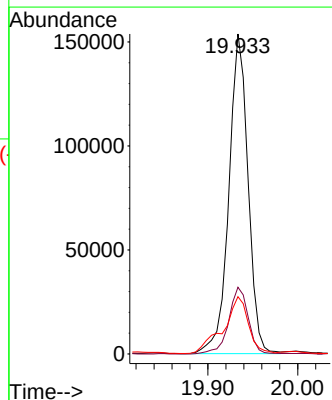
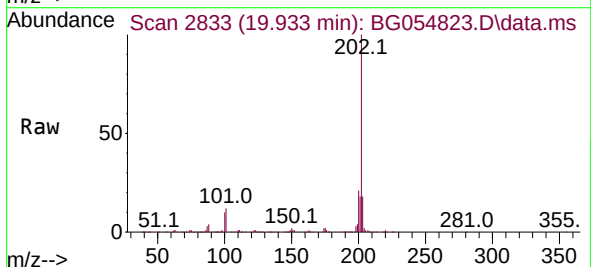
Instrument :
BNA_G
ClientSampleId :
EP-4

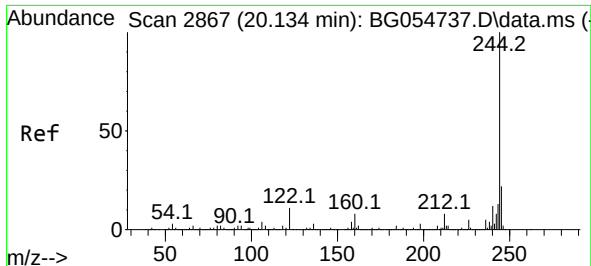
Tgt Ion:184 Resp: 15435
Ion Ratio Lower Upper
184 100
185 16.7 11.4 17.0
183 7.2 9.8 14.8#



#78
Pyrene
Concen: 12.642 ng
RT: 19.933 min Scan# 2833
Delta R.T. -0.006 min
Lab File: BG054823.D
Acq: 1 Sep 2022 15:29

Tgt Ion:202 Resp: 227694
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.9 14.6 21.8

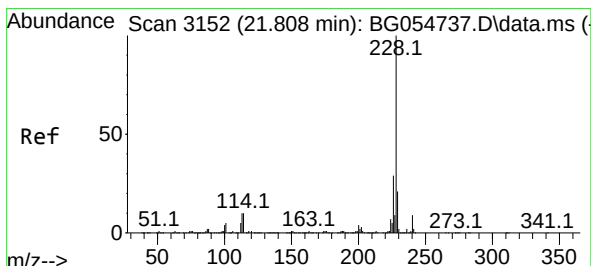
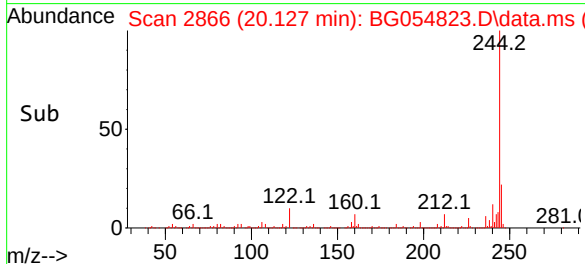
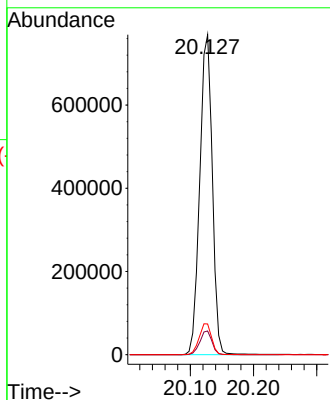
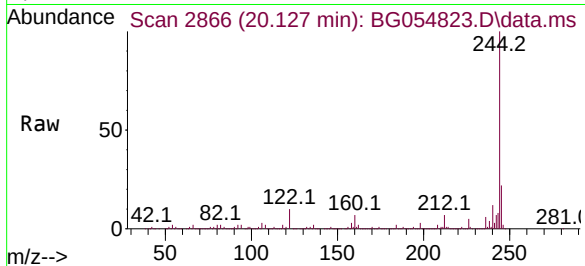




#79
 Terphenyl-d14
 Concen: 81.586 ng
 RT: 20.127 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054823.D
 Acq: 1 Sep 2022 15:29

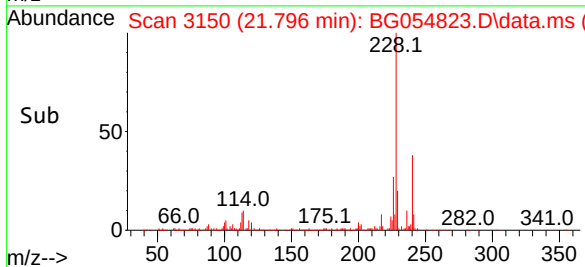
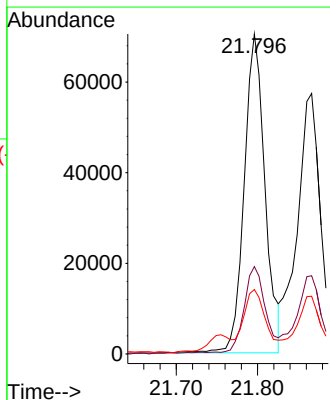
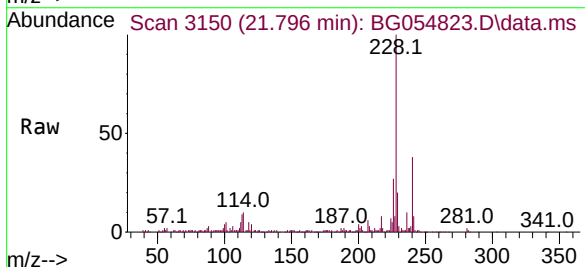
Instrument :
 BNA_G
 ClientSampleId :
 EP-4

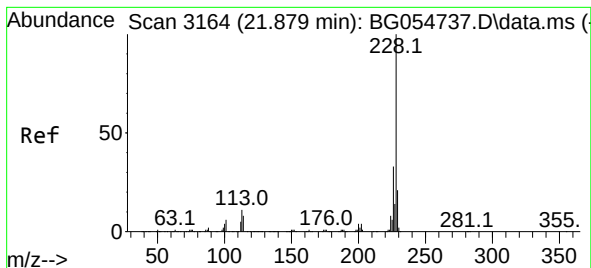
Tgt Ion:244 Resp: 1063595
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.6 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 7.148 ng
 RT: 21.796 min Scan# 3150
 Delta R.T. -0.012 min
 Lab File: BG054823.D
 Acq: 1 Sep 2022 15:29

Tgt Ion:228 Resp: 125186
 Ion Ratio Lower Upper
 228 100
 226 27.3 23.4 35.2
 229 20.2 16.5 24.7





#83

Chrysene

Concen: 6.773 ng

RT: 21.866 min Scan# 3164

Delta R.T. -0.012 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

EP-4

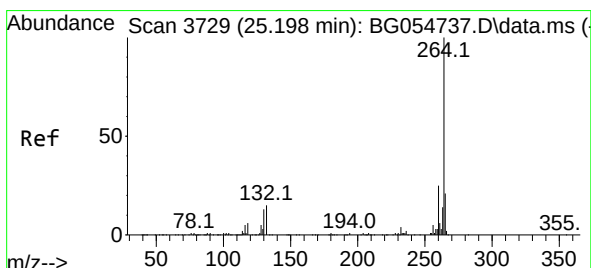
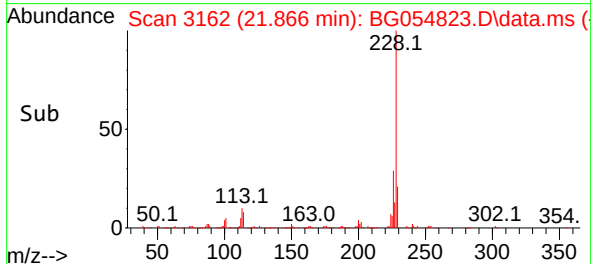
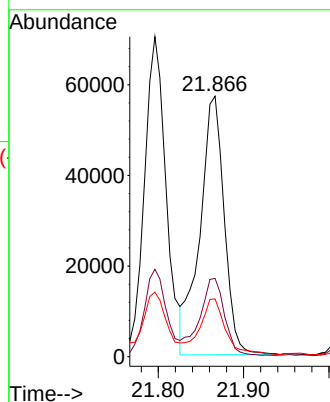
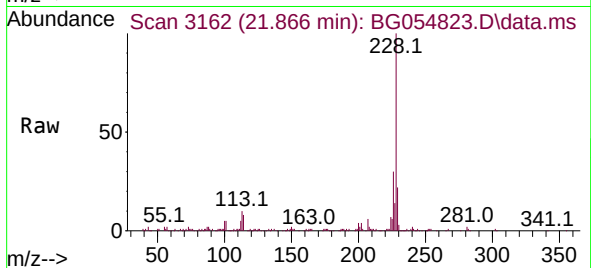
Tgt Ion:228 Resp: 113426

Ion Ratio Lower Upper

228 100

226 30.0 25.5 38.3

229 22.2 16.8 25.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.186 min Scan# 3727

Delta R.T. -0.012 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

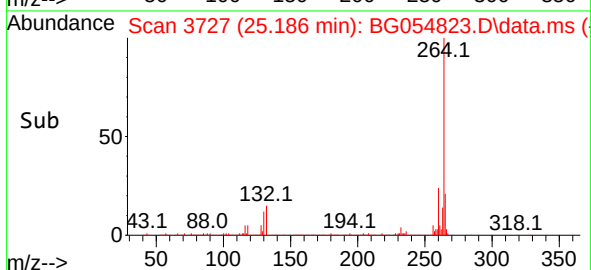
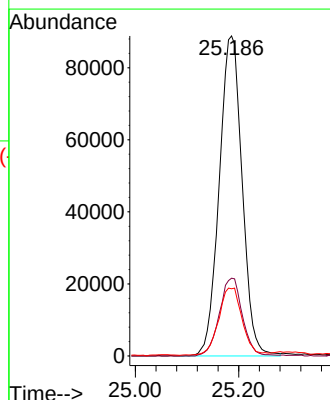
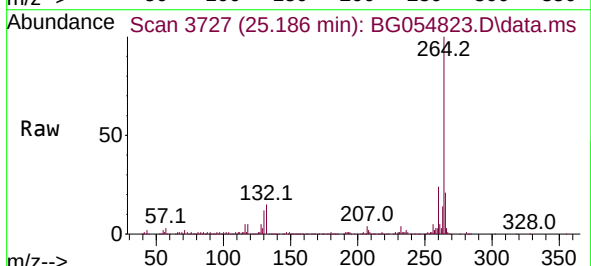
Tgt Ion:264 Resp: 273014

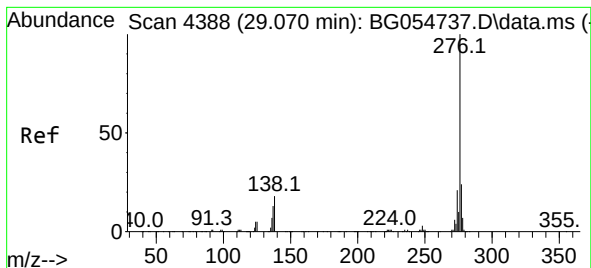
Ion Ratio Lower Upper

264 100

260 24.3 19.9 29.9

265 21.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.767 ng

RT: 29.046 min Scan# 41

Delta R.T. -0.024 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

EP-4

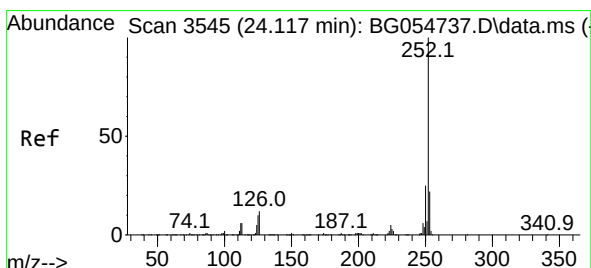
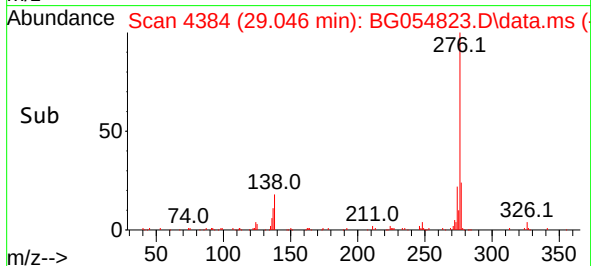
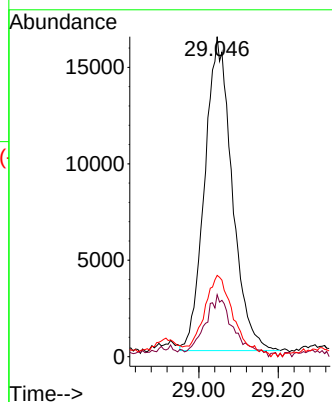
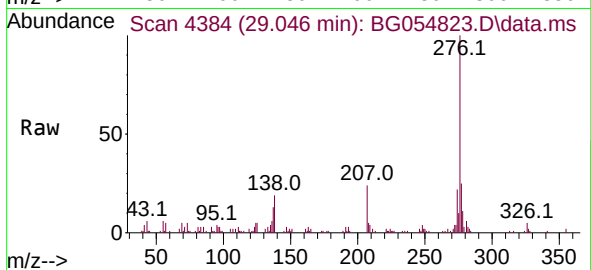
Tgt Ion:276 Resp: 78070

Ion Ratio Lower Upper

276 100

138 20.6 12.0 18.0#

277 27.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.238 ng

RT: 24.105 min Scan# 3543

Delta R.T. -0.012 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

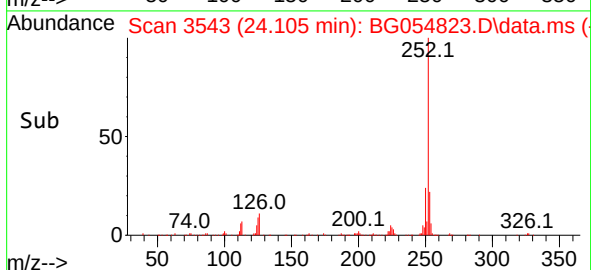
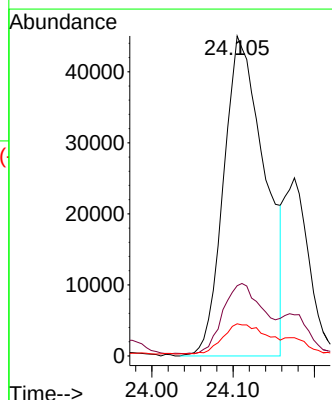
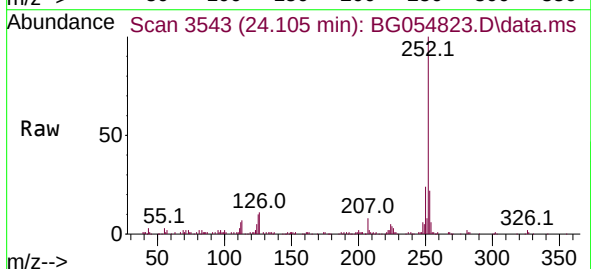
Tgt Ion:252 Resp: 158213

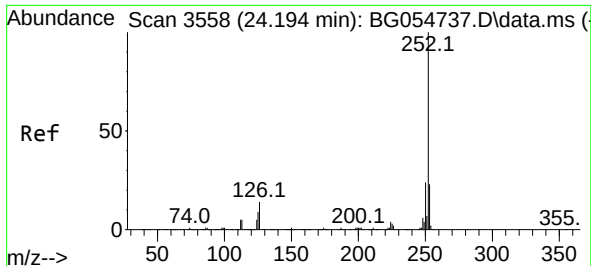
Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 10.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 9.179 ng

RT: 24.105 min Scan# 3

Delta R.T. -0.089 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

EP-4

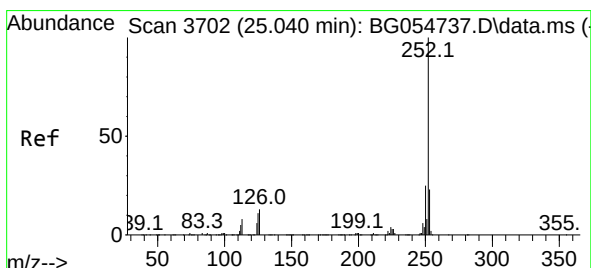
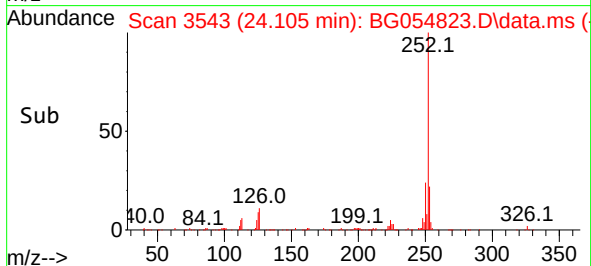
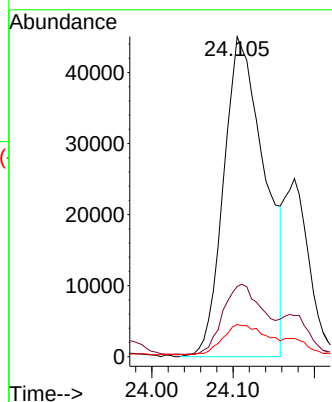
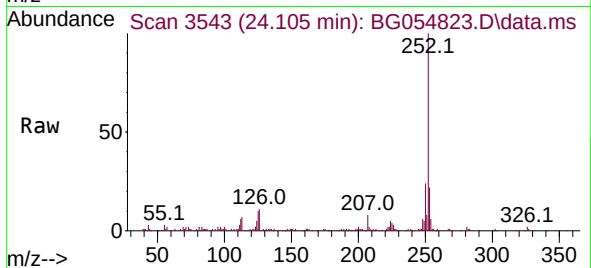
Tgt Ion:252 Resp: 158213

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 10.1 8.2 12.4



#90

Benzo(a)pyrene

Concen: 7.780 ng

RT: 25.022 min Scan# 3699

Delta R.T. -0.018 min

Lab File: BG054823.D

Acq: 1 Sep 2022 15:29

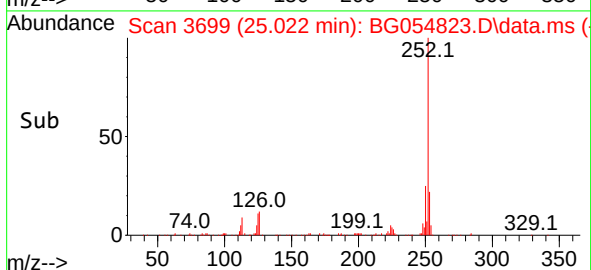
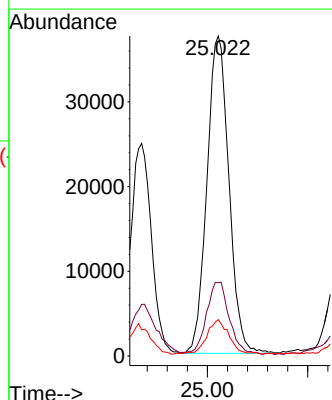
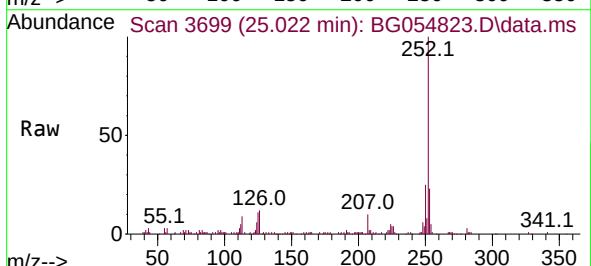
Tgt Ion:252 Resp: 113831

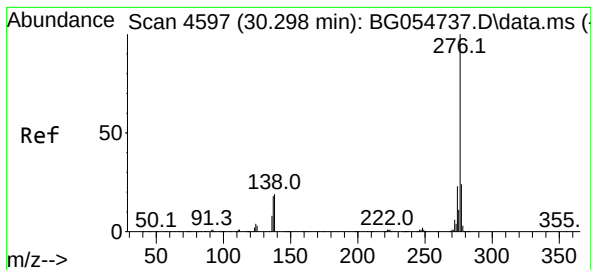
Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

125 11.4 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.627 ng

RT: 30.268 min Scan# 4

Delta R.T. -0.030 min

Lab File: BG054823.D

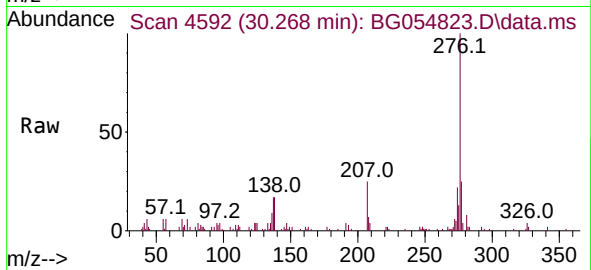
Acq: 1 Sep 2022 15:29

Instrument :

BNA_G

ClientSampleId :

EP-4



Tgt Ion:276 Resp: 78933

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 16.7 16.6 25.0

