

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090122\
 Data File : BG054822.D
 Acq On : 1 Sep 2022 14:47
 Operator : CG/JU
 Sample : N4433-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-3

Quant Time: Sep 01 15:28:21 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)

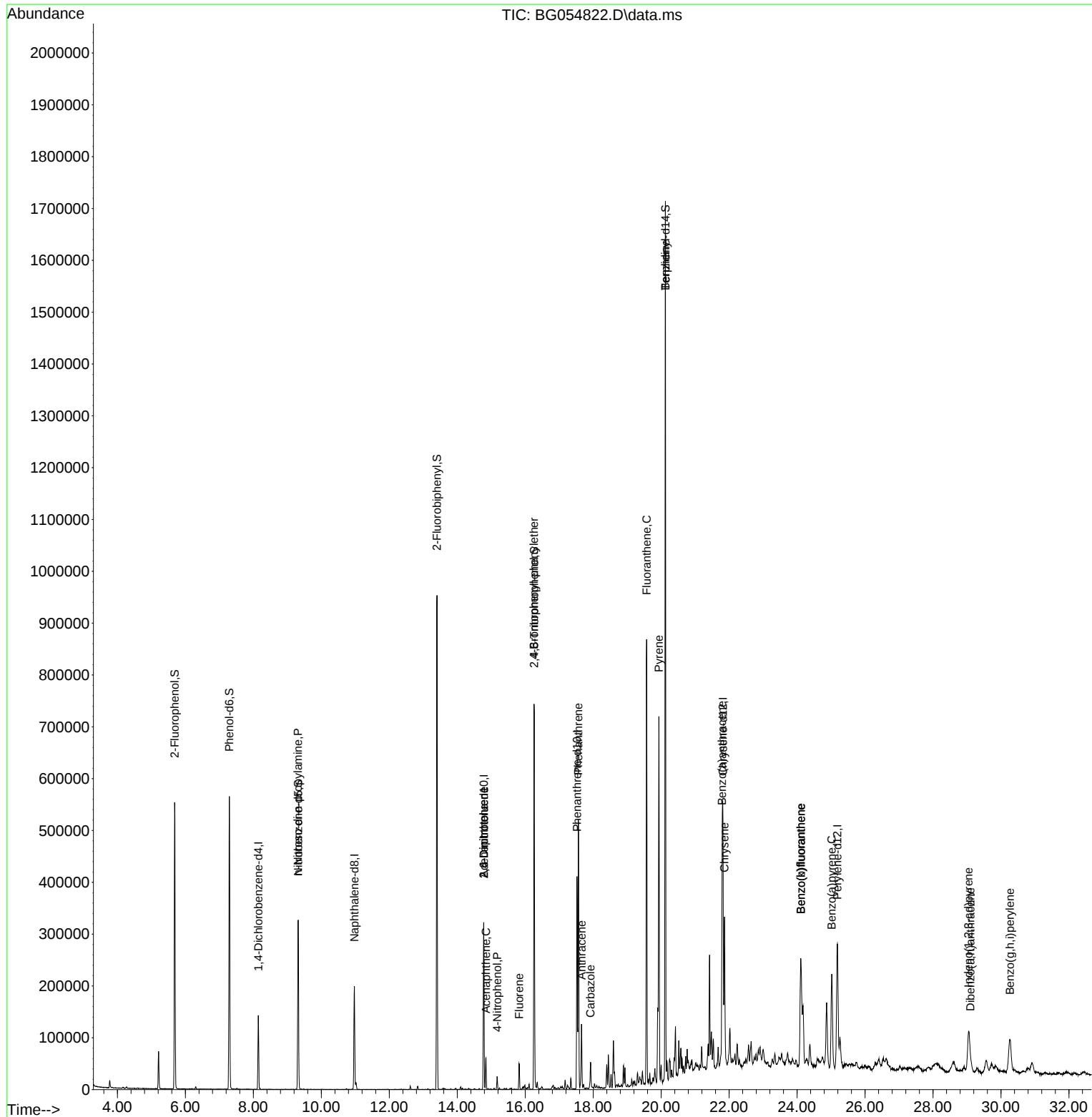
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	42823	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	179326	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	119616	20.000	ng	0.00
64) Phenanthrene-d10	17.524	188	269752	20.000	ng	0.00
76) Chrysene-d12	21.819	240	251629	20.000	ng	0.00
86) Perylene-d12	25.186	264	267818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	263909	107.316	ng	0.00
7) Phenol-d6	7.295	99	358369	106.559	ng	0.00
23) Nitrobenzene-d5	9.322	82	215125	62.976	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	164331	109.944	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	538456	67.659	ng	0.00
79) Terphenyl-d14	20.127	244	874658	68.873	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	26973	11.663	ng	# 76
51) 2,6-Dinitrotoluene	14.780	165	15788	8.376	ng	# 22
52) Acenaphthene	14.845	154	22718	3.177	ng	98
56) 4-Nitrophenol	15.174	139	5911	3.620	ng	# 6
57) 2,4-Dinitrotoluene	14.780	165	15788	6.056	ng	# 19
58) Fluorene	15.820	166	24256	2.740	ng	99
67) 4-Bromophenyl-phenylether	16.261	248	10291	3.475	ng	# 1
71) Phenanthrene	17.565	178	342839	23.858	ng	99
72) Anthracene	17.659	178	84219	6.028	ng	97
73) Carbazole	17.924	167	34664	2.693	ng	98
75) Fluoranthene	19.575	202	552422	31.601	ng	98
77) Benzidine	20.127	184	12666	2.032	ng	# 94
78) Pyrene	19.933	202	473225	26.971	ng	99
81) Benzo(a)anthracene	21.796	228	237534	13.923	ng	99
83) Chrysene	21.866	228	204387	12.529	ng	99
87) Indeno(1,2,3-cd)pyrene	29.046	276	145393	7.151	ng	97
88) Benzo(b)fluoranthene	24.110	252	275610	16.405	ng	98
89) Benzo(k)fluoranthene	24.110	252	275610	16.301	ng	98
90) Benzo(a)pyrene	25.021	252	215026	14.981	ng	98
91) Dibenzo(a,h)anthracene	29.105	278	35109	2.120	ng	95
92) Benzo(g,h,i)perylene	30.268	276	149702	8.946	ng	97

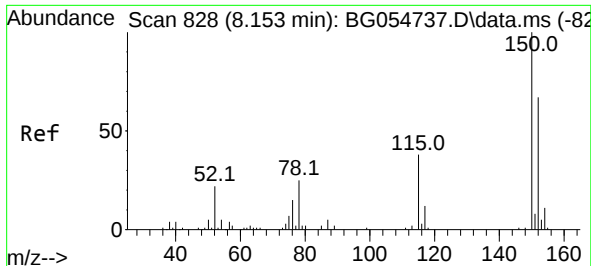
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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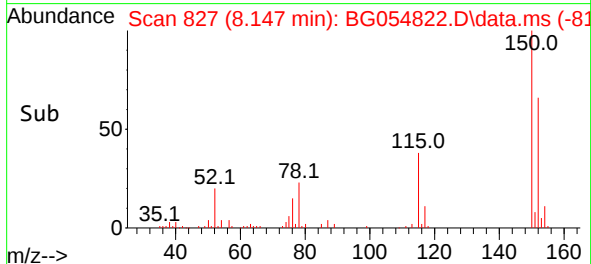
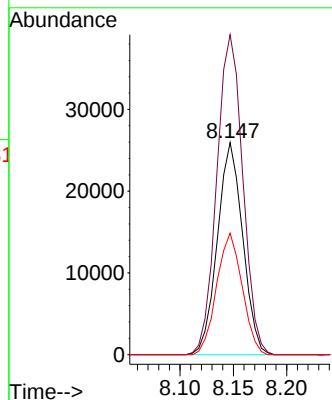
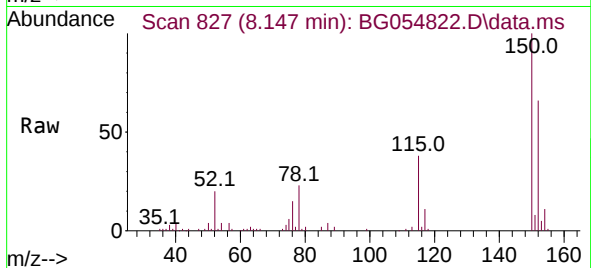




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

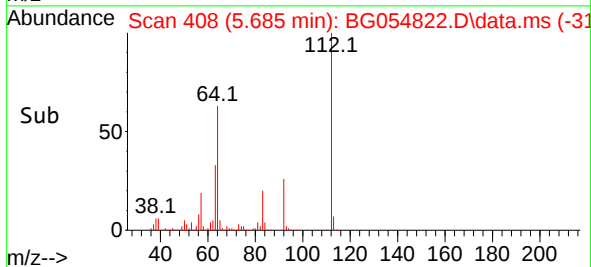
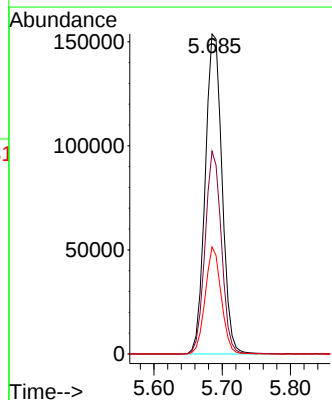
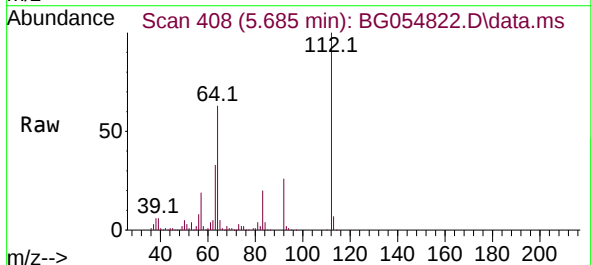
Instrument :
BNA_G
ClientSampleId :
EP-3

Tgt Ion:152 Resp: 42823
Ion Ratio Lower Upper
152 100
150 150.8 125.2 187.8
115 57.3 47.9 71.9



#5
2-Fluorophenol
Concen: 107.316 ng
RT: 5.685 min Scan# 408
Delta R.T. -0.001 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:112 Resp: 263909
Ion Ratio Lower Upper
112 100
64 63.3 49.3 73.9
63 33.4 26.3 39.5

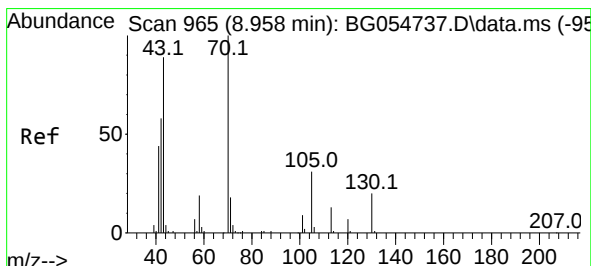
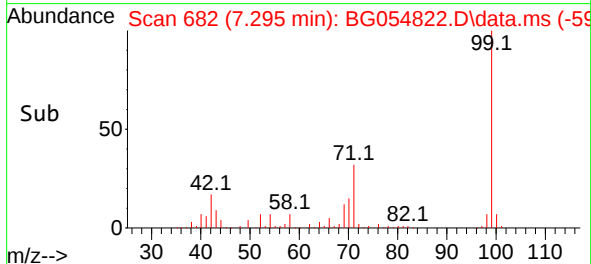
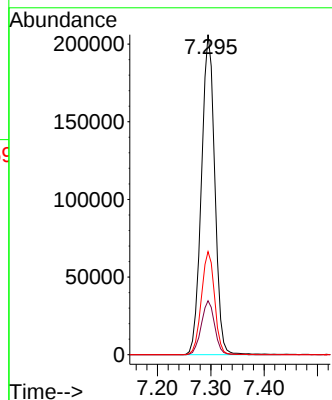
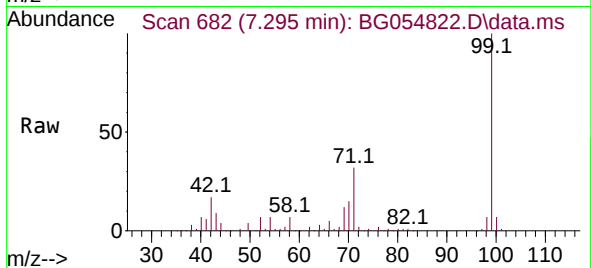




#7
Phenol-d6
Concen: 106.559 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

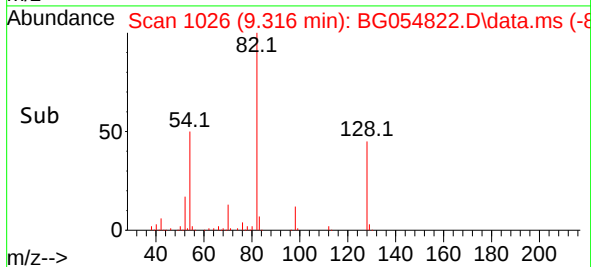
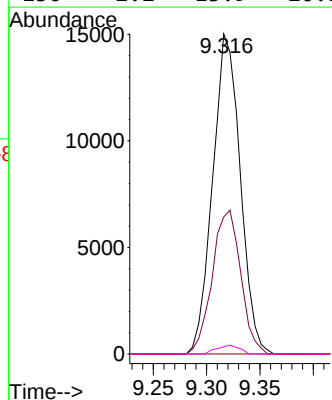
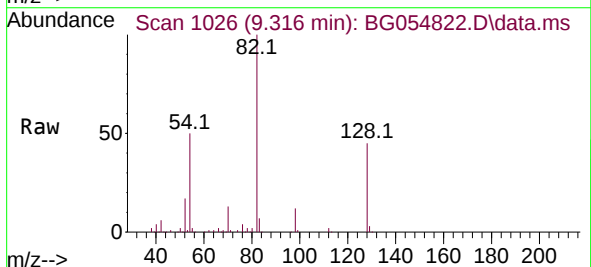
Instrument :
BNA_G
ClientSampleId :
EP-3

Tgt Ion: 99 Resp: 358369
Ion Ratio Lower Upper
99 100
42 16.9 14.6 22.0
71 32.2 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.663 ng
RT: 9.316 min Scan# 1026
Delta R.T. 0.358 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion: 70 Resp: 26973
Ion Ratio Lower Upper
70 100
42 42.8 46.6 69.8#
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#

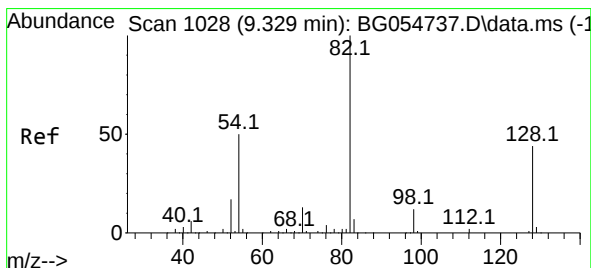
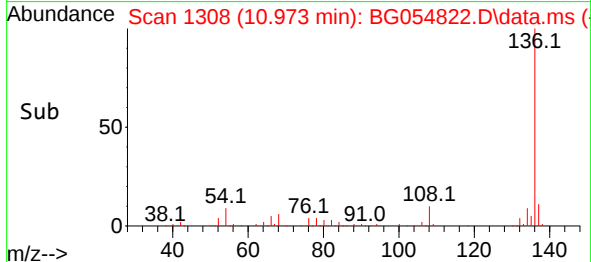
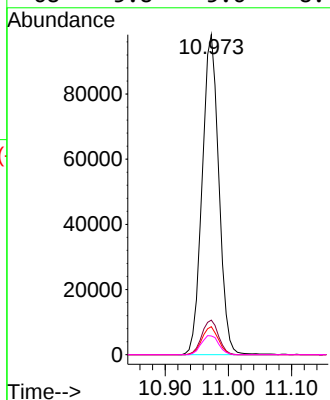
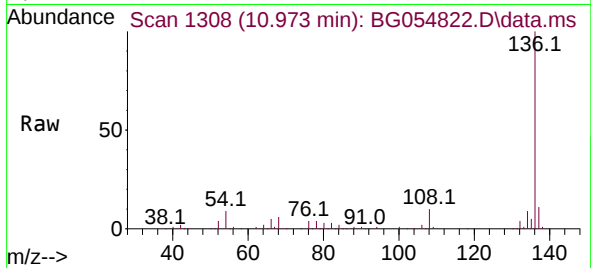




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

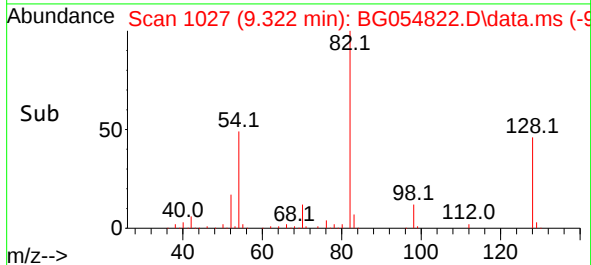
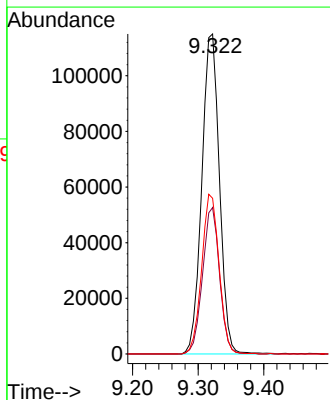
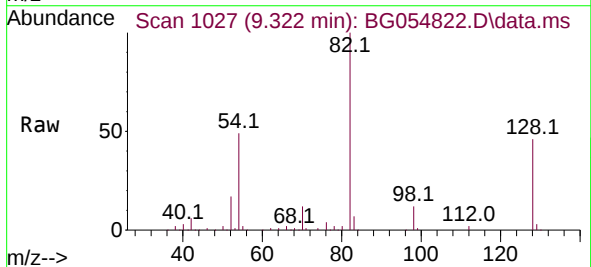
Instrument :
BNA_G
ClientSampleId :
EP-3

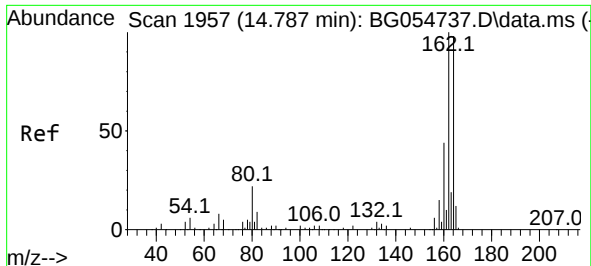
Tgt Ion:	136	Resp:	179326
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.8	7.7	11.5
68	5.8	5.6	8.4



#23
Nitrobenzene-d5
Concen: 62.976 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:	82	Resp:	215125
Ion	Ratio	Lower	Upper
82	100		
128	45.8	32.2	48.2
54	48.7	41.4	62.0

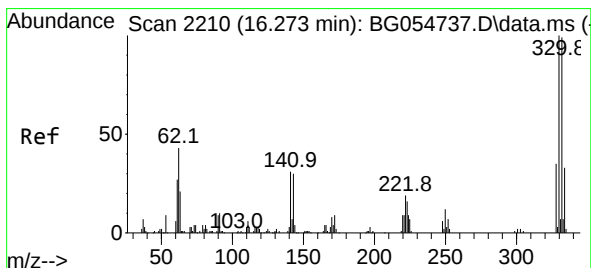
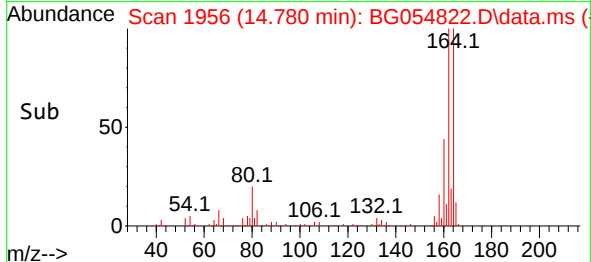
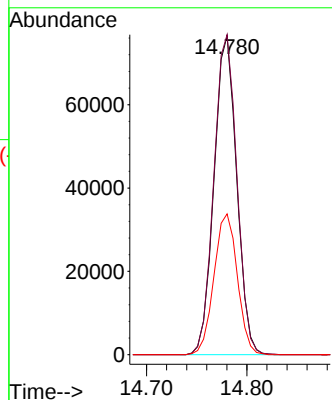
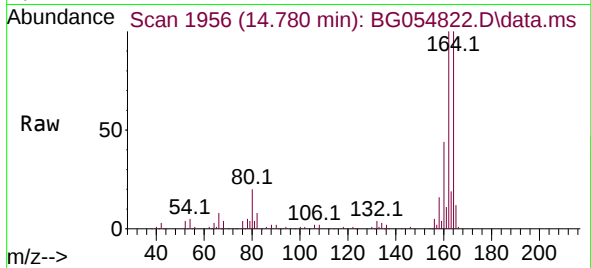




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1956
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

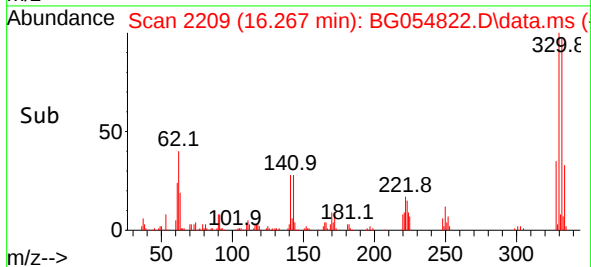
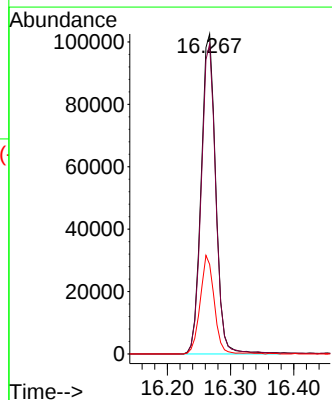
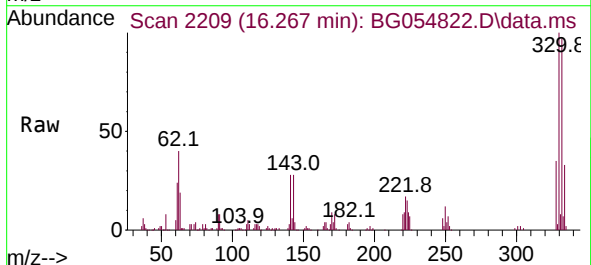
Instrument :
BNA_G
ClientSampleId :
EP-3

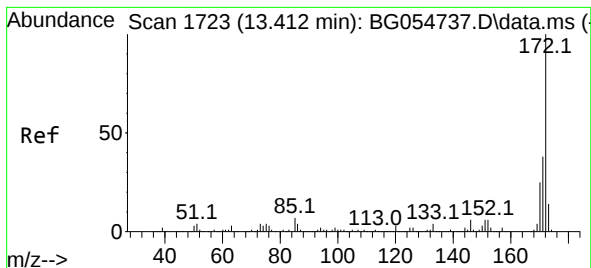
Tgt Ion:164 Resp: 119616
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.4
160 44.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 109.944 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:330 Resp: 164331
Ion Ratio Lower Upper
330 100
332 96.0 79.8 119.6
141 29.5 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 67.659 ng

RT: 13.405 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

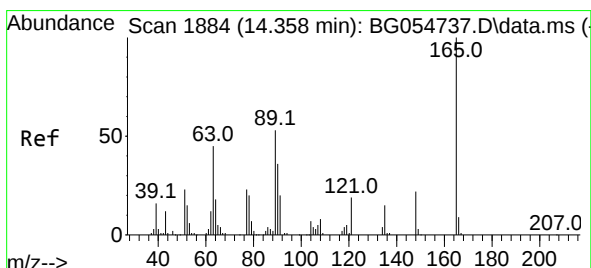
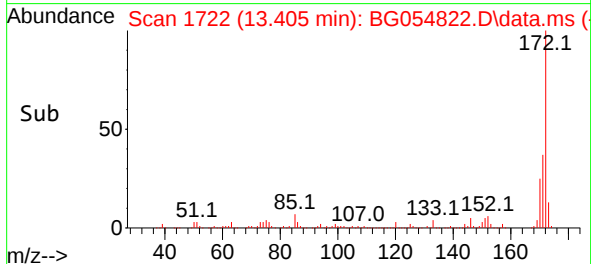
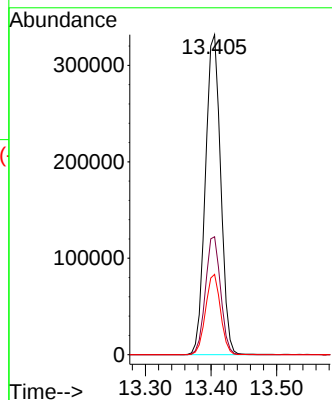
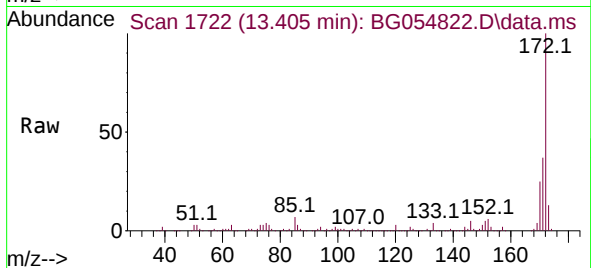
Tgt Ion:172 Resp: 538456

Ion Ratio Lower Upper

172 100

171 36.9 31.2 46.8

170 25.1 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 8.376 ng

RT: 14.780 min Scan# 1956

Delta R.T. 0.422 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

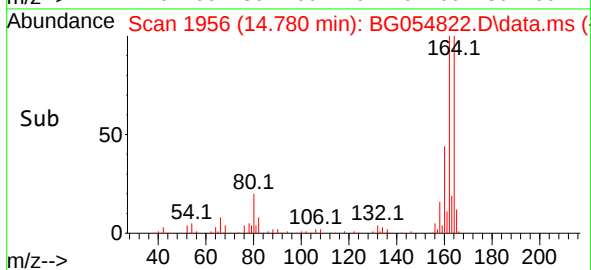
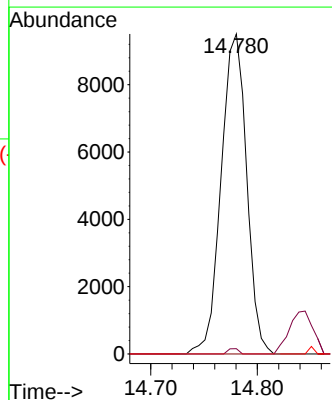
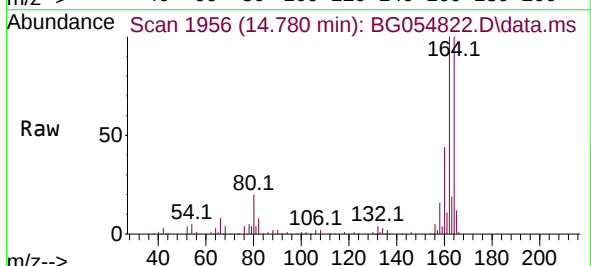
Tgt Ion:165 Resp: 15788

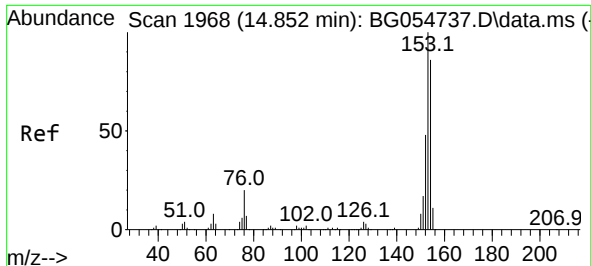
Ion Ratio Lower Upper

165 100

63 1.7 46.0 69.0#

89 0.0 50.3 75.5#

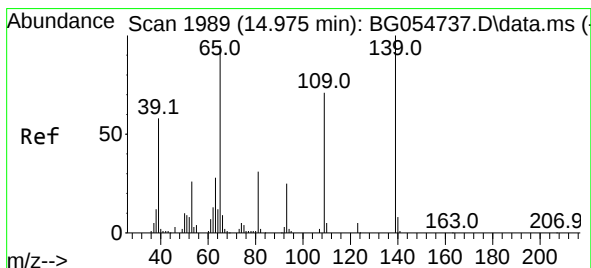
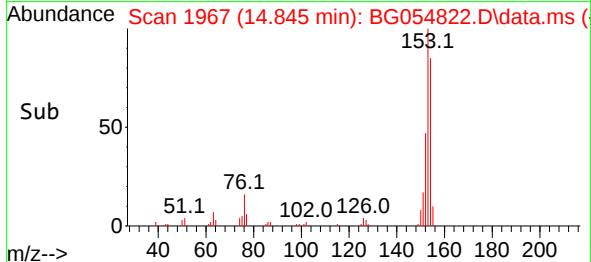
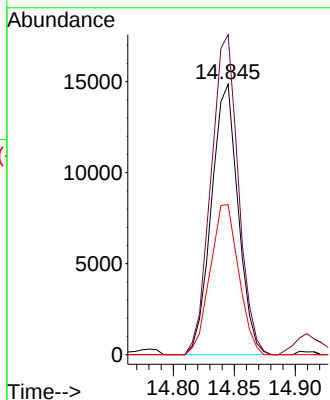
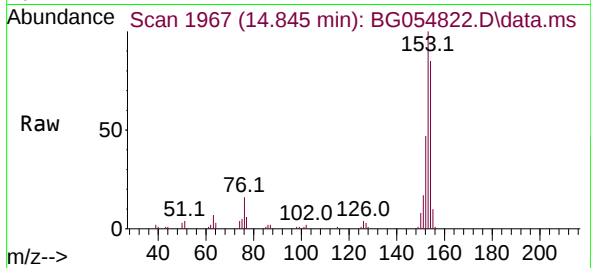




#52
Acenaphthene
Concen: 3.177 ng
RT: 14.845 min Scan# 1968
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

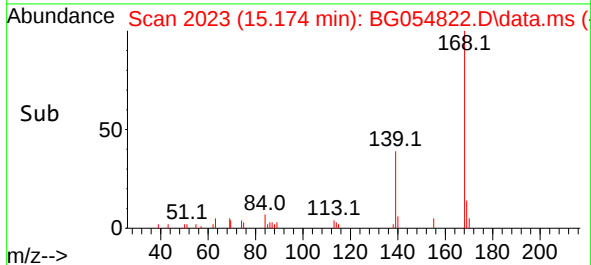
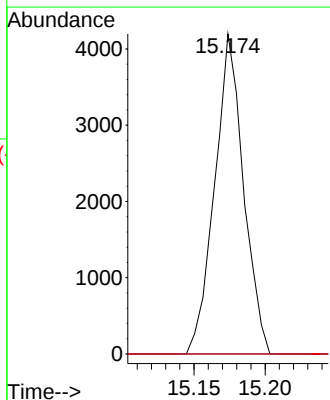
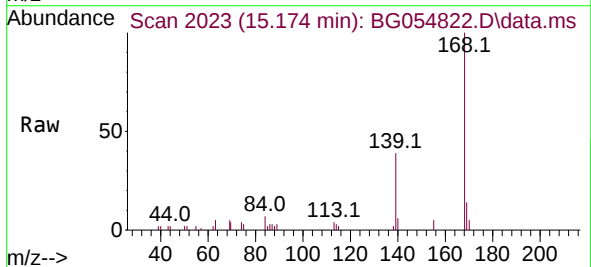
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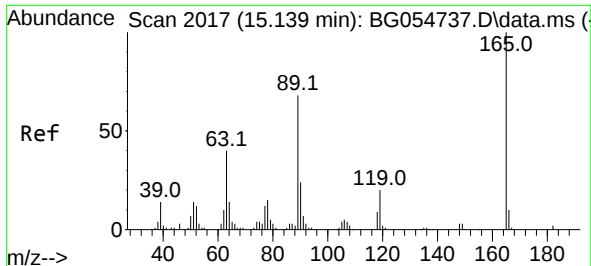
Tgt Ion:154 Resp: 22718
Ion Ratio Lower Upper
154 100
153 118.3 92.8 139.2
152 55.5 45.4 68.2



#56
4-Nitrophenol
Concen: 3.620 ng
RT: 15.174 min Scan# 2023
Delta R.T. 0.199 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:139 Resp: 5911
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: 6.056 ng

RT: 14.780 min Scan# 1956

Delta R.T. -0.359 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

Tgt Ion:165 Resp: 15788

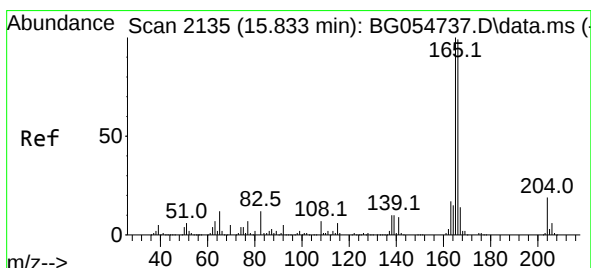
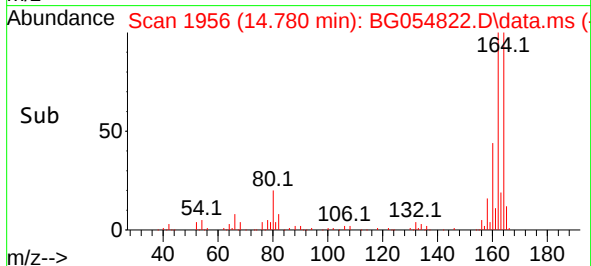
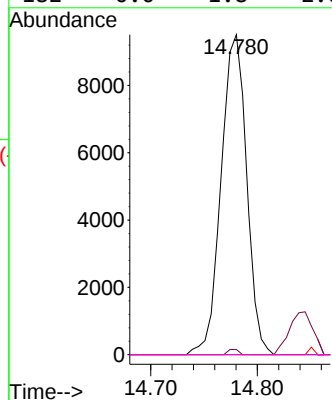
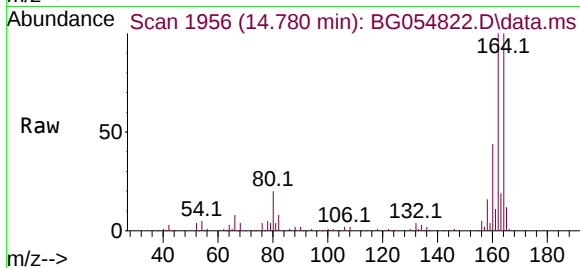
Ion Ratio Lower Upper

165 100

63 1.7 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 2.740 ng

RT: 15.820 min Scan# 2133

Delta R.T. -0.013 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

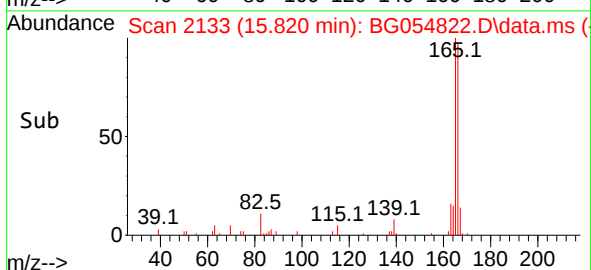
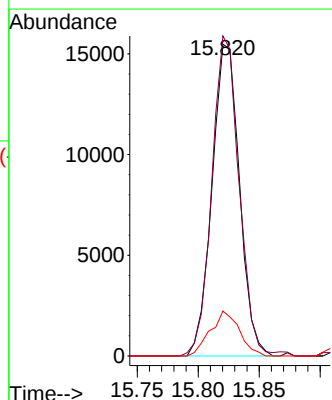
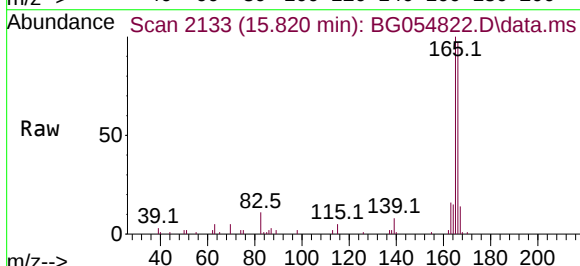
Tgt Ion:166 Resp: 24256

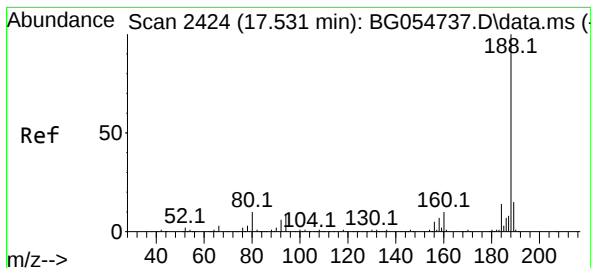
Ion Ratio Lower Upper

166 100

165 102.6 80.8 121.2

167 14.4 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: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

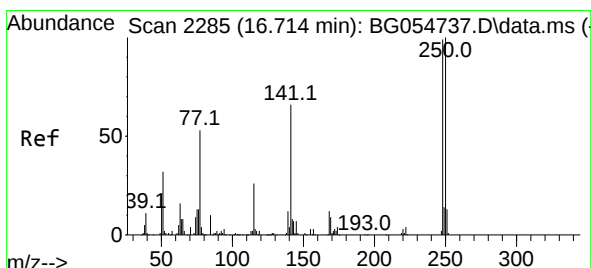
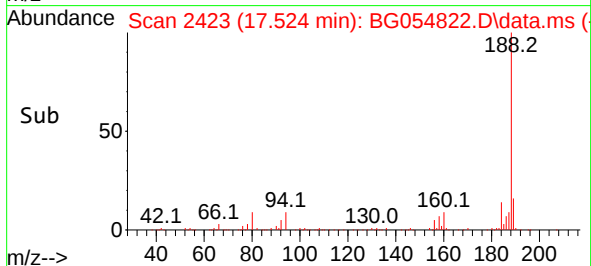
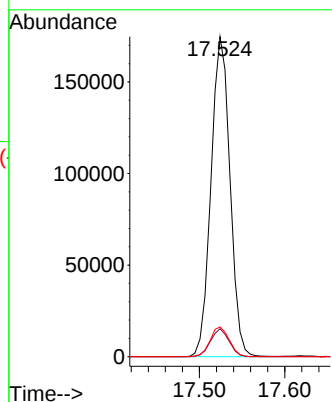
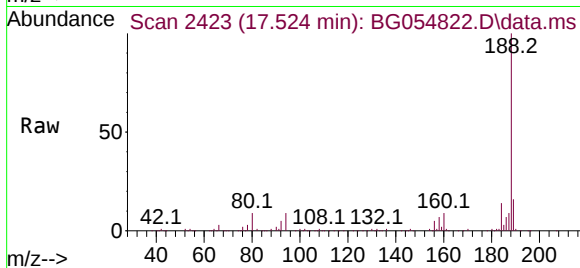
Tgt Ion:188 Resp: 269752

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.4

80 9.3 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.475 ng

RT: 16.261 min Scan# 2208

Delta R.T. -0.453 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

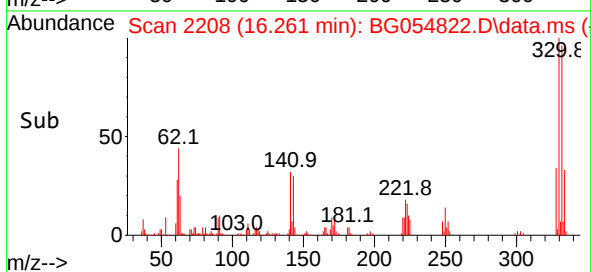
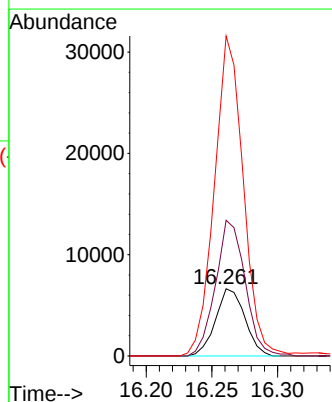
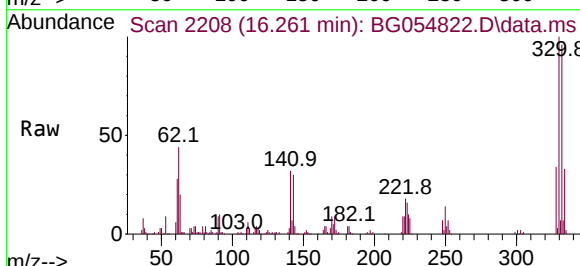
Tgt Ion:248 Resp: 10291

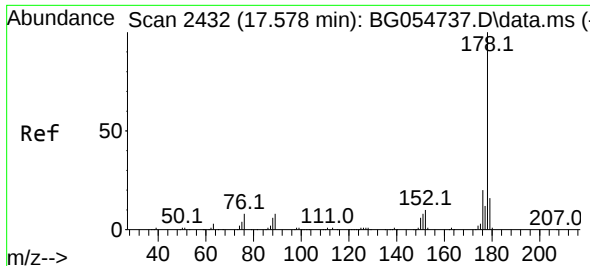
Ion Ratio Lower Upper

248 100

250 201.8 78.8 118.2#

141 475.9 51.9 77.9#

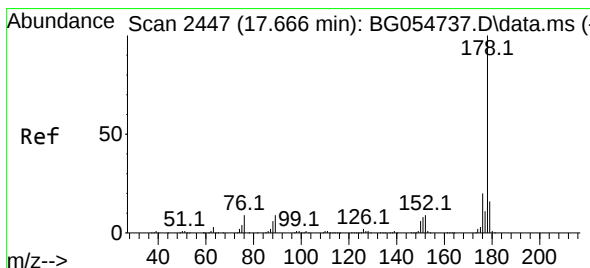
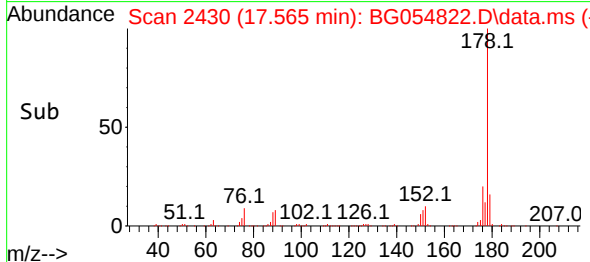
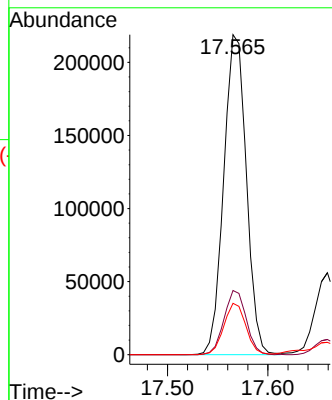
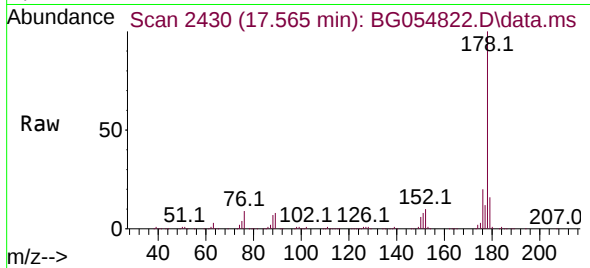




#71
Phenanthrene
Concen: 23.858 ng
RT: 17.565 min Scan# 2432
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

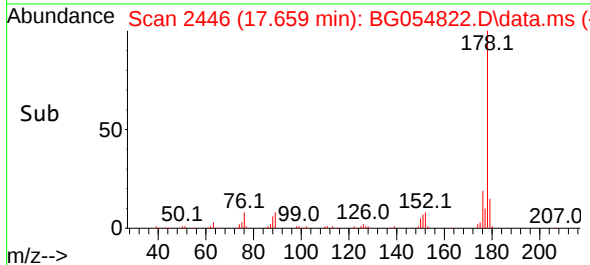
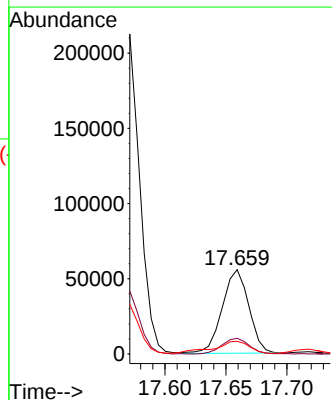
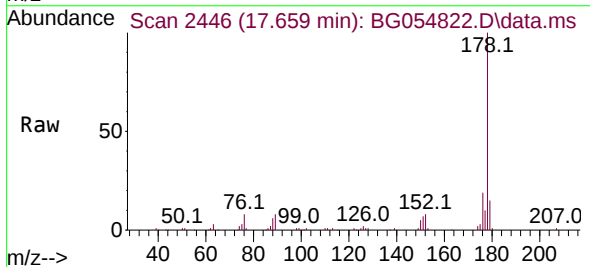
Instrument :
BNA_G
ClientSampleId :
EP-3

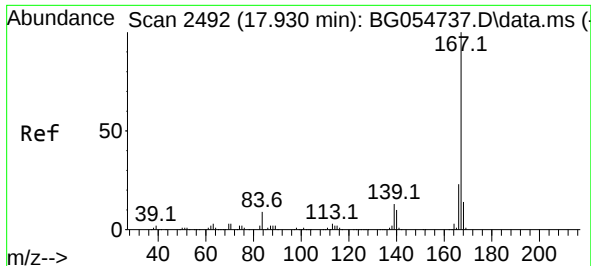
Tgt Ion:178 Resp: 342839
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 16.1 12.8 19.2



#72
Anthracene
Concen: 6.028 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:178 Resp: 84219
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.0 12.9 19.3

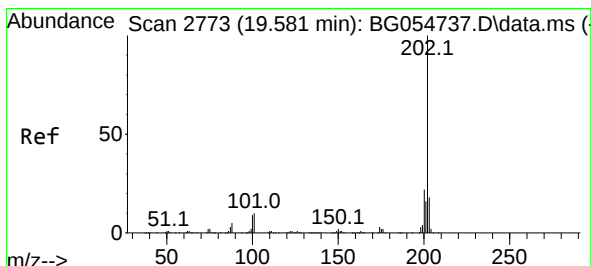
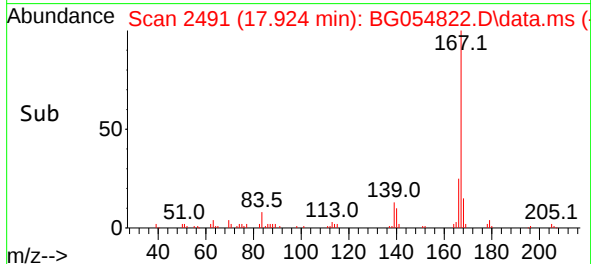
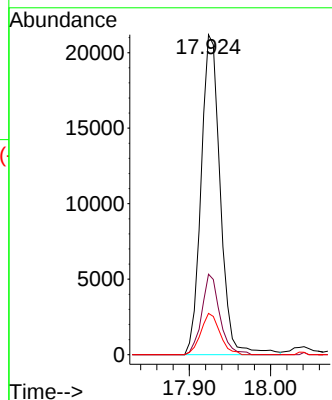
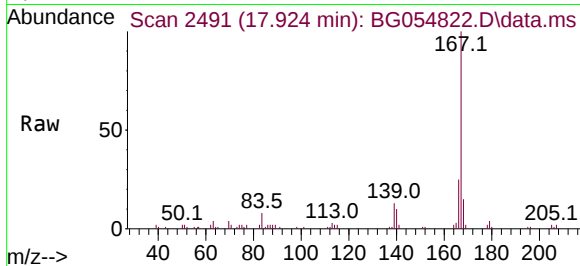




#73
 Carbazole
 Concen: 2.693 ng
 RT: 17.924 min Scan# 2491
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47

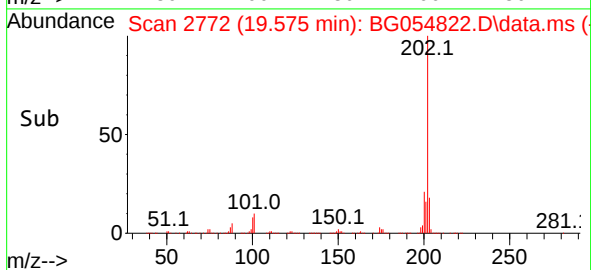
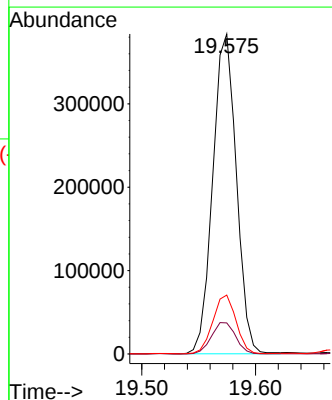
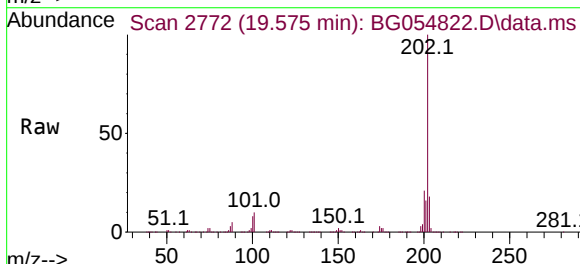
Instrument :
 BNA_G
 ClientSampleId :
 EP-3

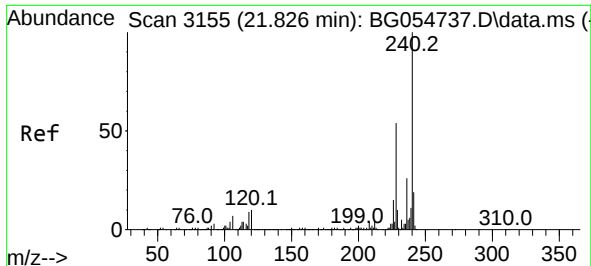
Tgt Ion:167 Resp: 34664
 Ion Ratio Lower Upper
 167 100
 166 25.2 18.8 28.2
 139 12.9 10.2 15.4



#75
 Fluoranthene
 Concen: 31.601 ng
 RT: 19.575 min Scan# 2772
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47

Tgt Ion:202 Resp: 552422
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.4
 203 18.4 0.0 38.6

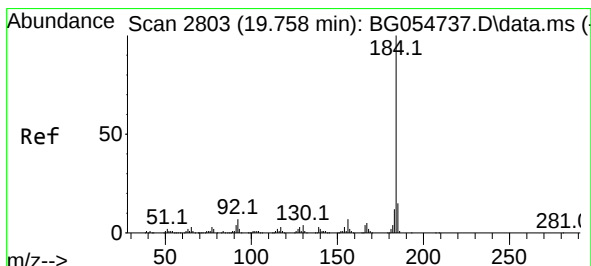
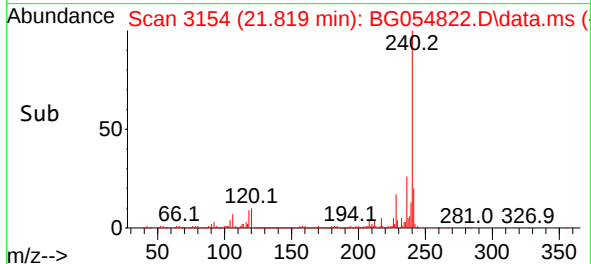
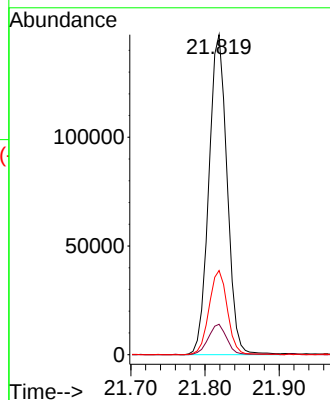
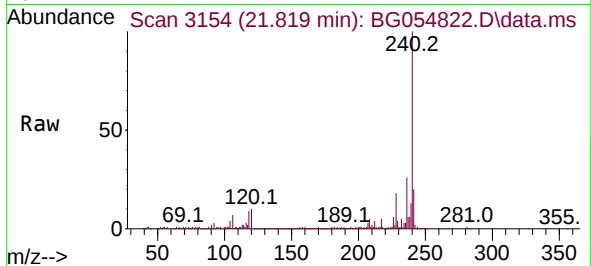




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3155
Delta R.T. -0.007 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

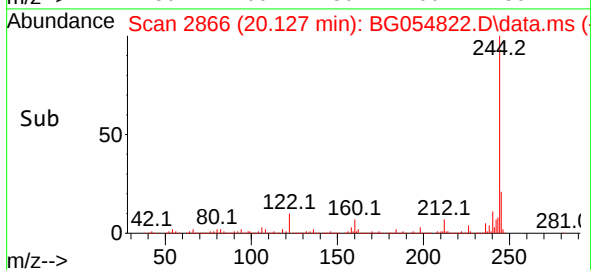
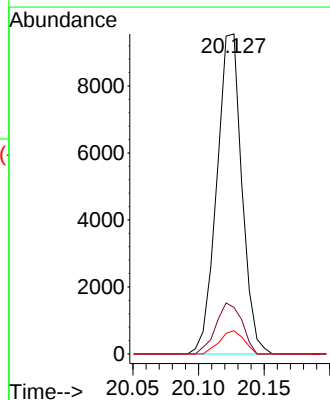
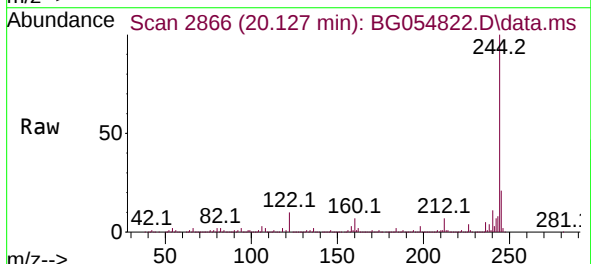
Instrument :
BNA_G
ClientSampleId :
EP-3

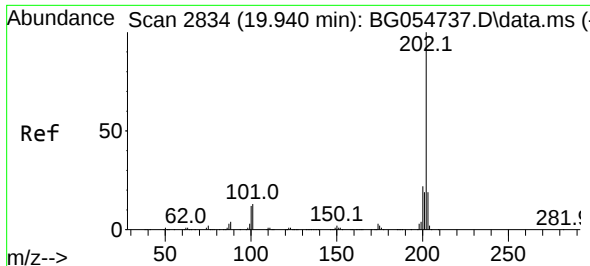
Tgt Ion:240 Resp: 251629
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.3 21.2 31.8



#77
Benzidine
Concen: 2.032 ng
RT: 20.127 min Scan# 2866
Delta R.T. 0.369 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

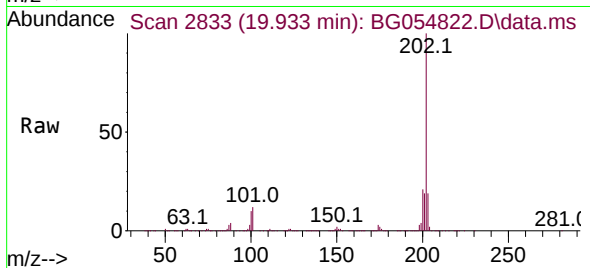
Tgt Ion:184 Resp: 12666
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.0
183 7.3 9.8 14.8#



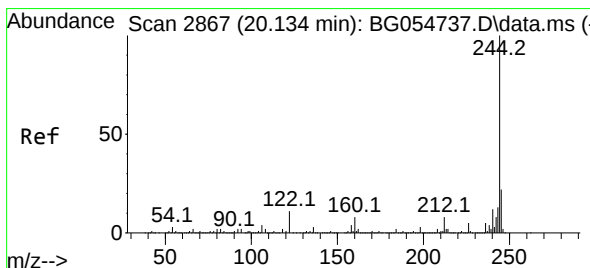
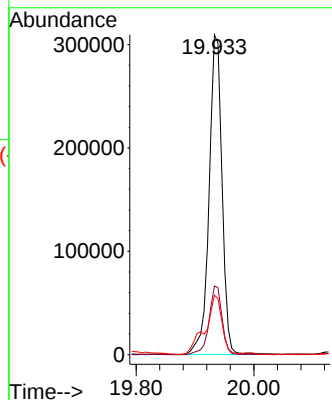
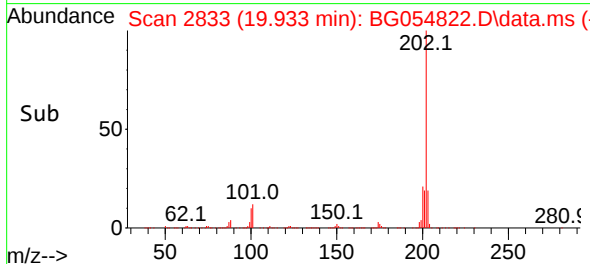


#78
 Pyrene
 Concen: 26.971 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47

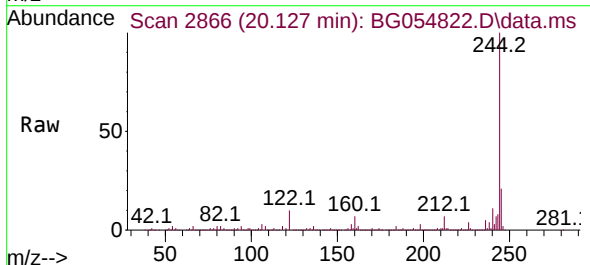
Instrument :
 BNA_G
 ClientSampleId :
 EP-3



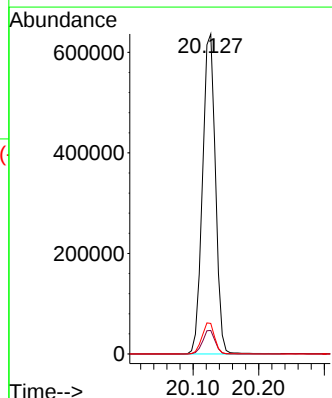
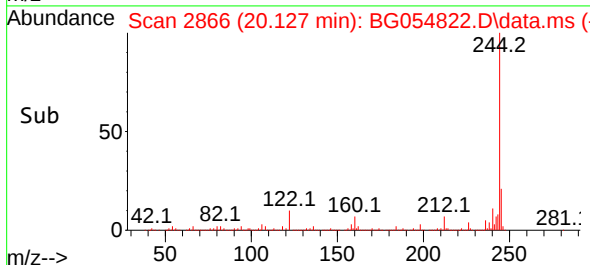
Tgt Ion:202 Resp: 473225
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.6
 203 18.6 14.6 21.8

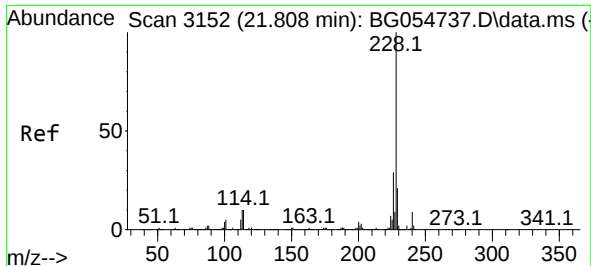


#79
 Terphenyl-d14
 Concen: 68.873 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.007 min
 Lab File: BG054822.D
 Acq: 1 Sep 2022 14:47



Tgt Ion:244 Resp: 874658
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.6 9.0 13.6

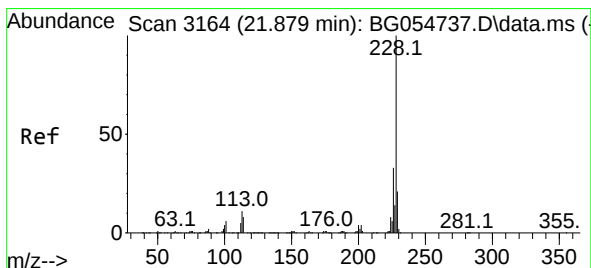
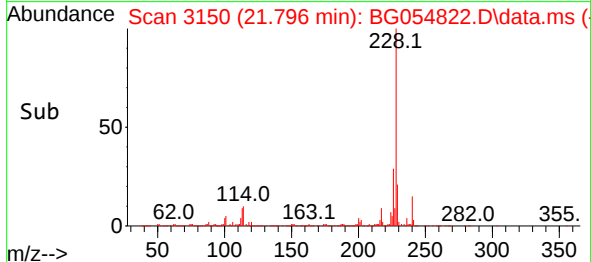
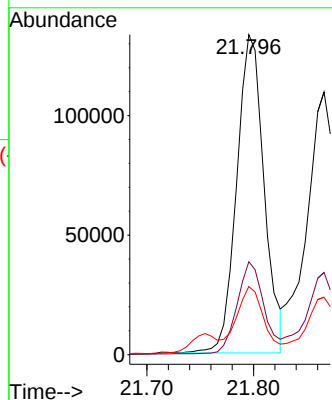
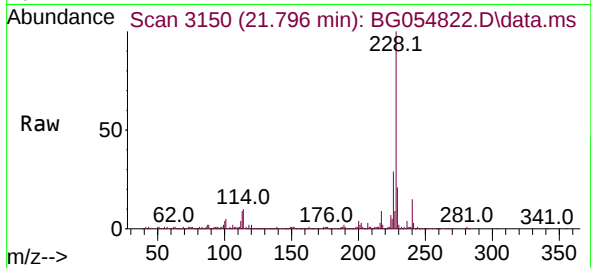




#81
Benzo(a)anthracene
Concen: 13.923 ng
RT: 21.796 min Scan# 3152
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

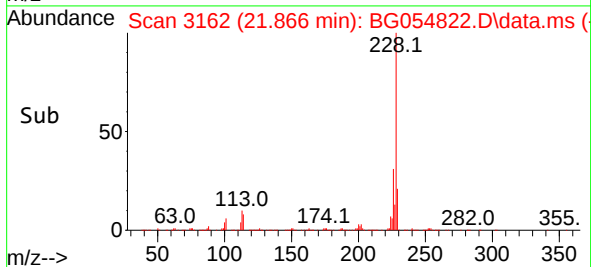
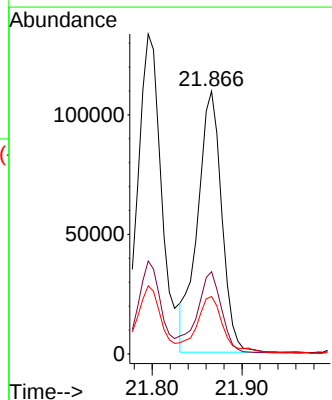
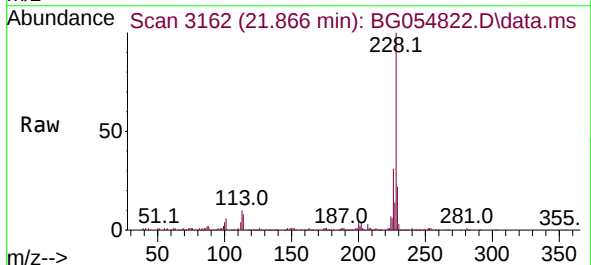
Instrument :
BNA_G
ClientSampleId :
EP-3

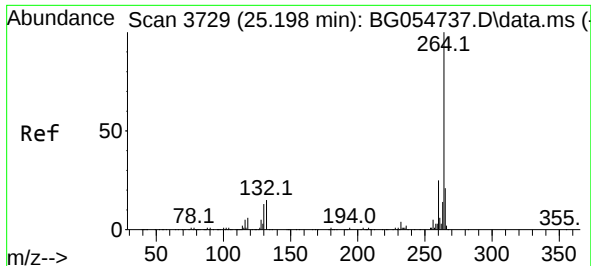
Tgt Ion:228 Resp: 237534
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 21.3 16.5 24.7



#83
Chrysene
Concen: 12.529 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:228 Resp: 204387
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 21.9 16.8 25.2

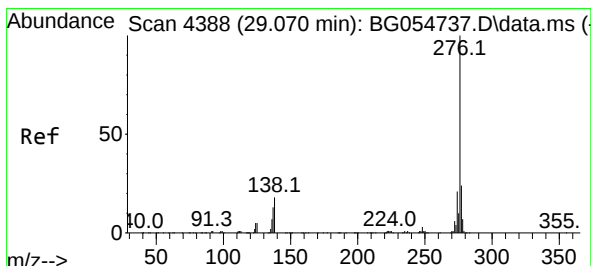
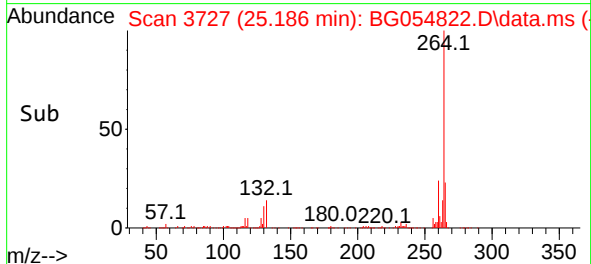
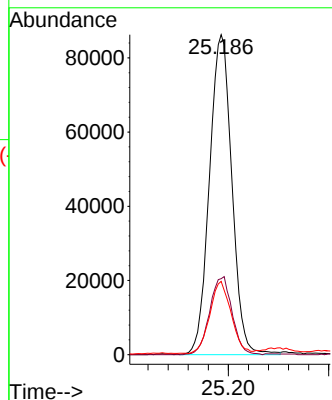
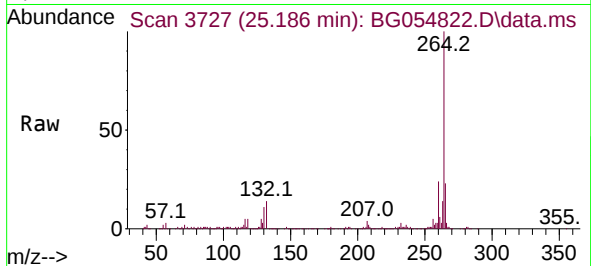




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

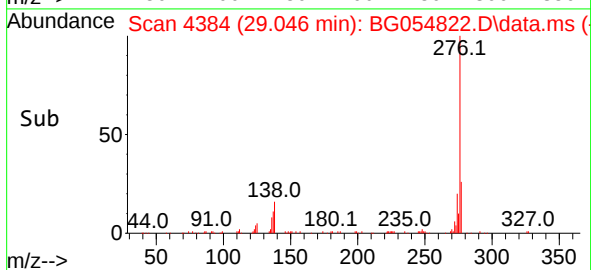
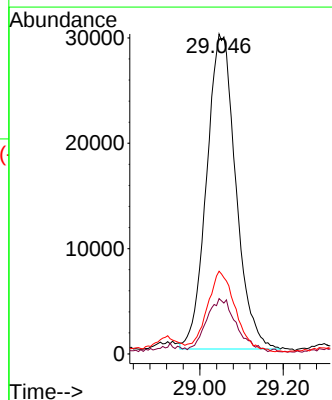
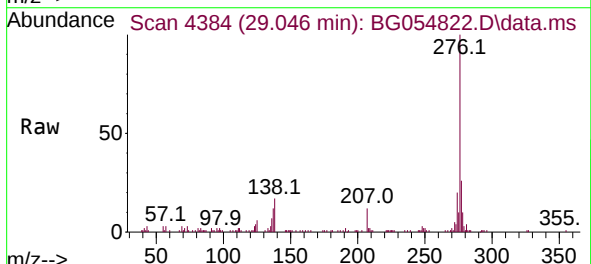
Instrument :
BNA_G
ClientSampleId :
EP-3

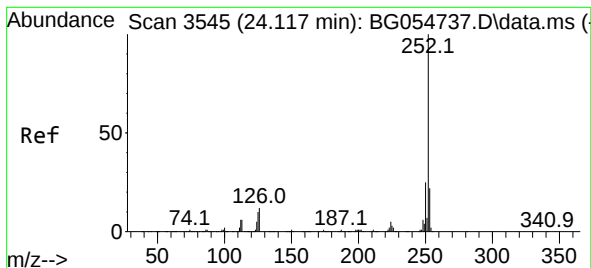
Tgt Ion:264 Resp: 267818
Ion Ratio Lower Upper
264 100
260 23.8 19.9 29.9
265 22.9 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.151 ng
RT: 29.046 min Scan# 4384
Delta R.T. -0.024 min
Lab File: BG054822.D
Acq: 1 Sep 2022 14:47

Tgt Ion:276 Resp: 145393
Ion Ratio Lower Upper
276 100
138 17.6 12.0 18.0
277 24.9 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 16.405 ng

RT: 24.110 min Scan# 3

Delta R.T. -0.007 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

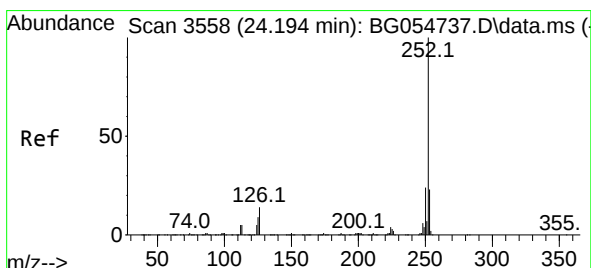
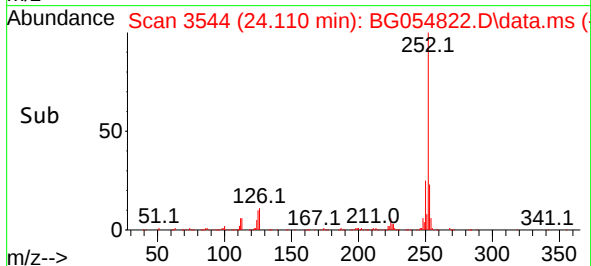
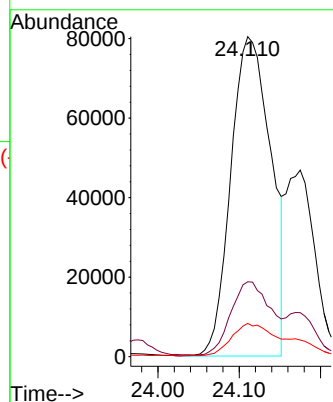
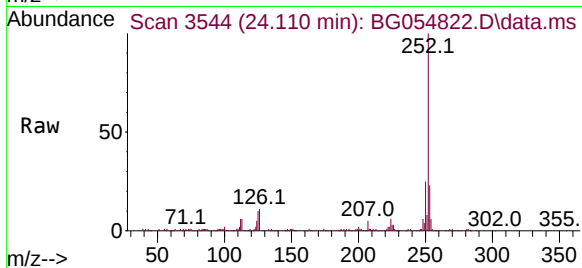
Tgt Ion:252 Resp: 275610

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 10.4 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 16.301 ng

RT: 24.110 min Scan# 3544

Delta R.T. -0.083 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

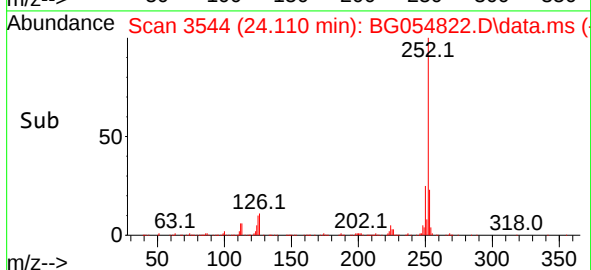
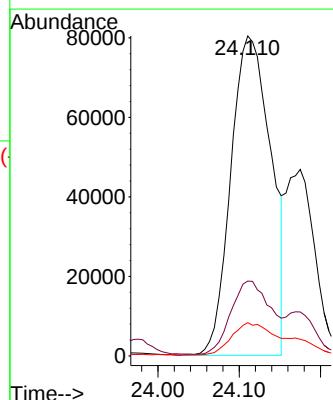
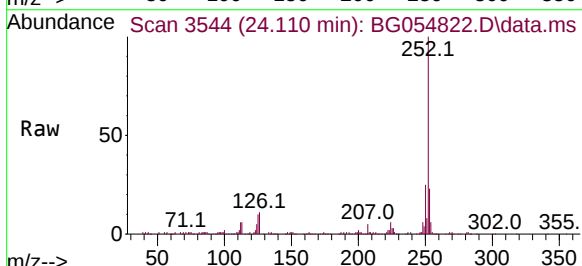
Tgt Ion:252 Resp: 275610

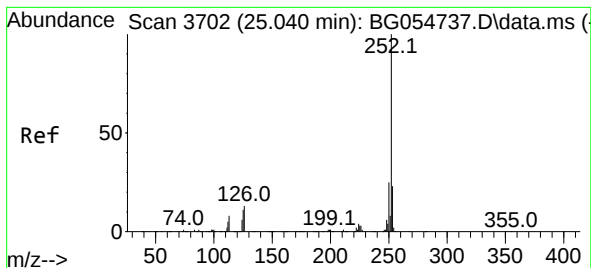
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 10.4 8.2 12.4





#90

Benzo(a)pyrene

Concen: 14.981 ng

RT: 25.021 min Scan# 3

Delta R.T. -0.018 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3

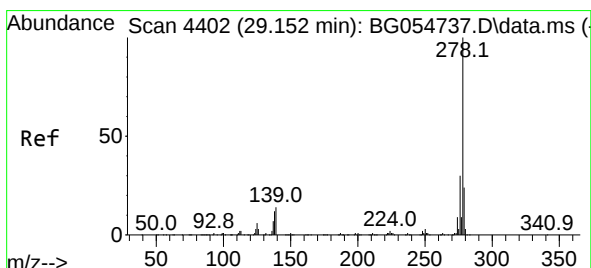
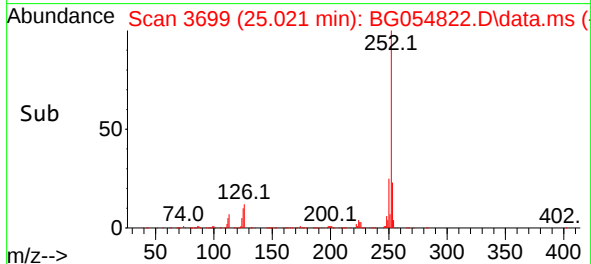
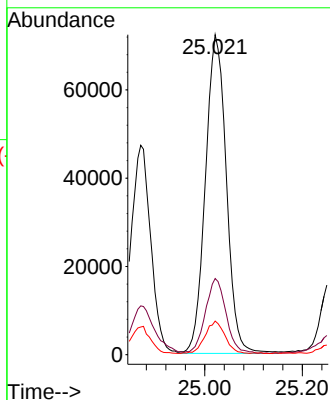
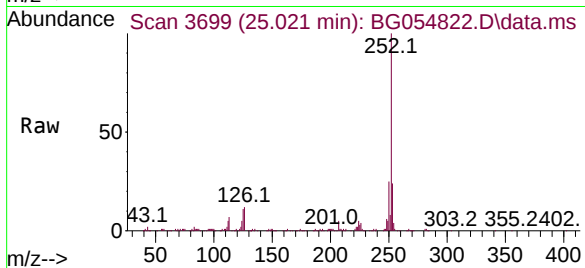
Tgt Ion:252 Resp: 215026

Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

125 10.5 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.120 ng

RT: 29.105 min Scan# 4394

Delta R.T. -0.048 min

Lab File: BG054822.D

Acq: 1 Sep 2022 14:47

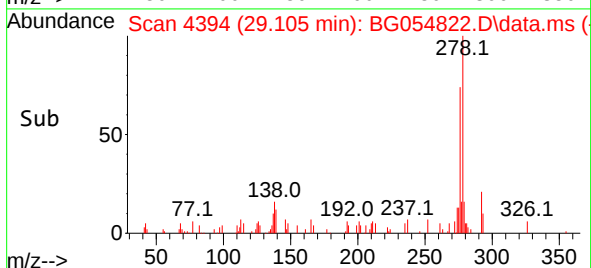
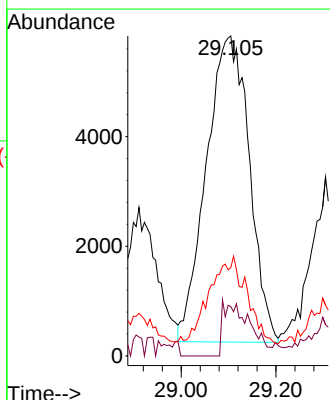
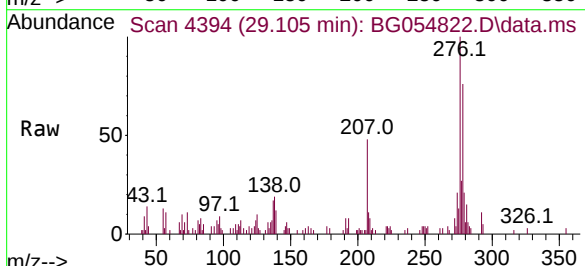
Tgt Ion:278 Resp: 35109

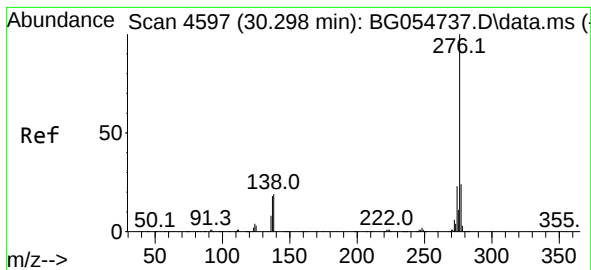
Ion Ratio Lower Upper

278 100

139 15.4 11.4 17.2

279 27.6 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 8.946 ng

RT: 30.268 min Scan# 4

Delta R.T. -0.030 min

Lab File: BG054822.D

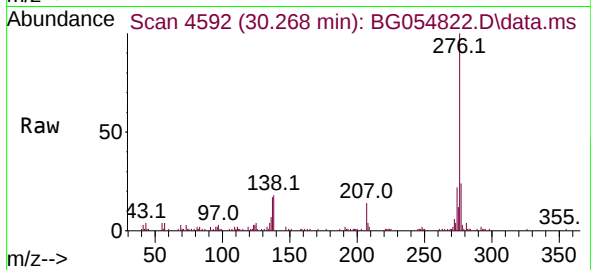
Acq: 1 Sep 2022 14:47

Instrument :

BNA_G

ClientSampleId :

EP-3



Tgt Ion:276 Resp: 149702

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 18.3 16.6 25.0

