

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054959.D
 Acq On : 15 Sep 2022 16:54
 Operator : CG/JU
 Sample : N4610-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-BOTTOM

Quant Time: Sep 16 05:30:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

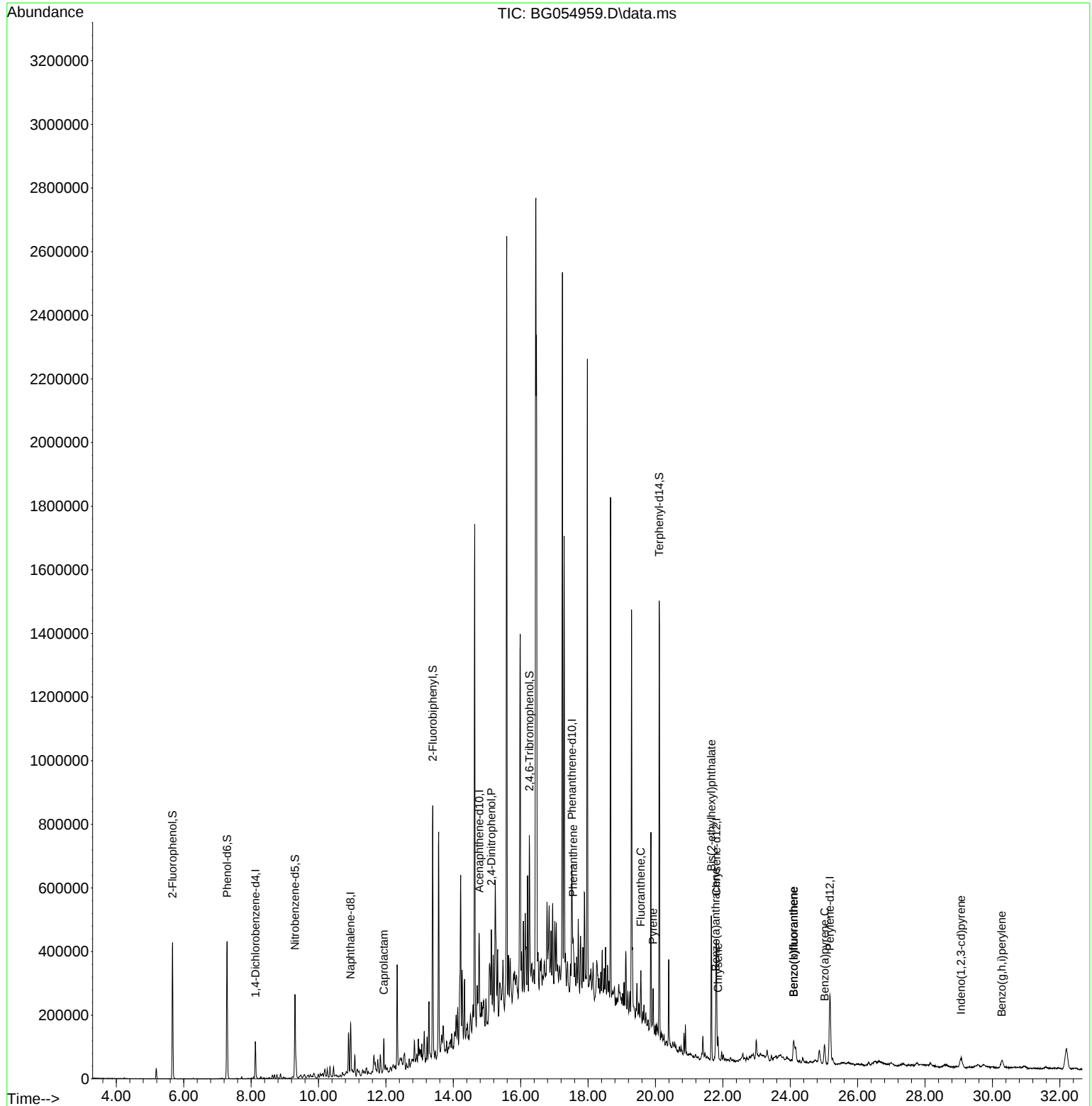
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.127	152	37311	20.000	ng	0.00
21) Naphthalene-d8	10.953	136	150532	20.000	ng	0.00
39) Acenaphthene-d10	14.772	164	100145	20.000	ng	0.00
64) Phenanthrene-d10	17.522	188	216000	20.000	ng	0.00
76) Chrysene-d12	21.811	240	228438	20.000	ng	0.00
86) Perylene-d12	25.177	264	249607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.671	112	218220	101.847	ng	0.00
7) Phenol-d6	7.286	99	293261	100.081	ng	0.00
23) Nitrobenzene-d5	9.302	82	173665	60.564	ng	0.00
42) 2,4,6-Tribromophenol	16.258	330	121960	97.461	ng	0.00
45) 2-Fluorobiphenyl	13.391	172	447102	67.103	ng	0.00
79) Terphenyl-d14	20.113	244	722764	62.690	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	11.940	113	3782	4.659	ng	# 29
54) 2,4-Dinitrophenol	15.130	184	145	6.849	ng	# 1
71) Phenanthrene	17.563	178	43686	3.797	ng	# 95
75) Fluoranthene	19.566	202	102288	7.308	ng	96
78) Pyrene	19.930	202	92846	5.829	ng	98
81) Benzo(a)anthracene	21.787	228	61889	3.996	ng	98
83) Chrysene	21.858	228	53255	3.596	ng	99
84) Bis(2-ethylhexyl)phtha...	21.658	149	205962	21.516	ng	99
87) Indeno(1,2,3-cd)pyrene	29.067	276	47874	2.526	ng	# 93
88) Benzo(b)fluoranthene	24.102	252	90433	5.775	ng	96
89) Benzo(k)fluoranthene	24.102	252	90433	5.739	ng	96
90) Benzo(a)pyrene	25.019	252	67800	5.068	ng	99
92) Benzo(g,h,i)perylene	30.277	276	49512	3.175	ng	# 94

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

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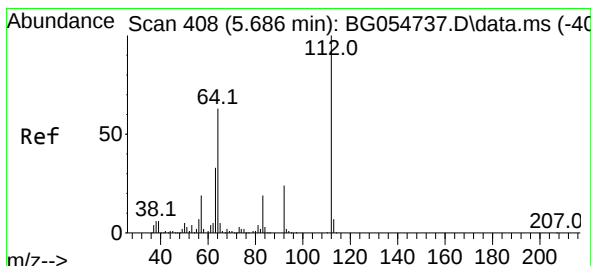
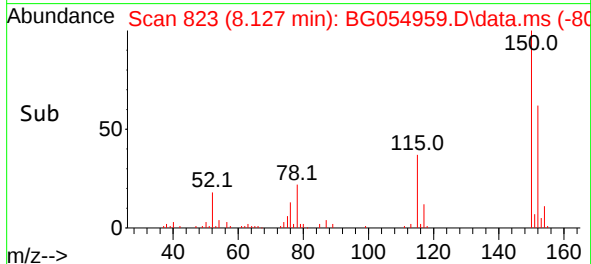
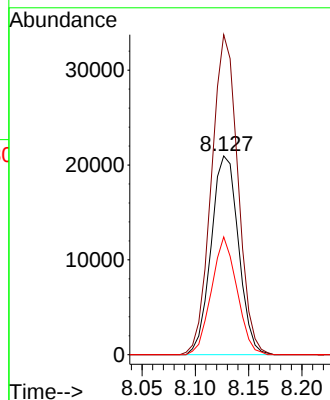
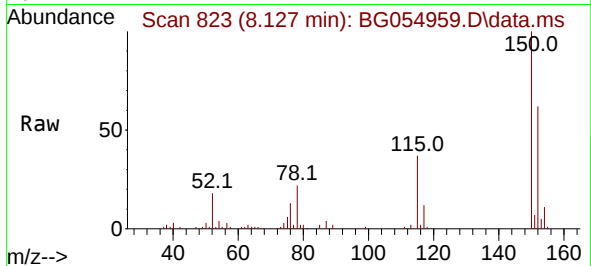




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.127 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

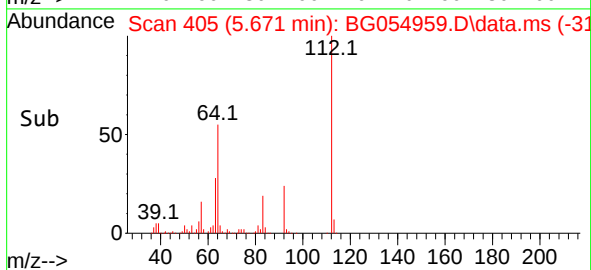
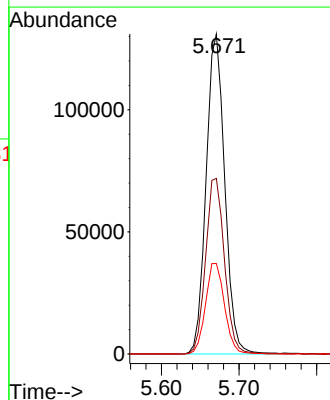
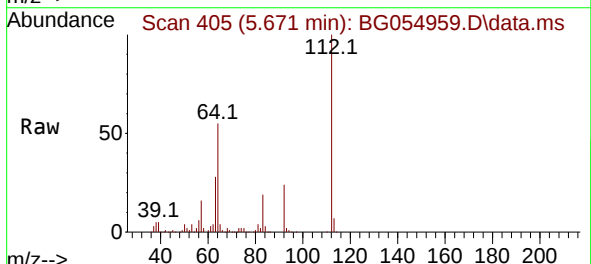
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

Tgt Ion:152 Resp: 37311
Ion Ratio Lower Upper
152 100
150 161.1 125.2 187.8
115 59.3 47.9 71.9



#5
2-Fluorophenol
Concen: 101.847 ng
RT: 5.671 min Scan# 405
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:112 Resp: 218220
Ion Ratio Lower Upper
112 100
64 54.8 49.3 73.9
63 28.2 26.3 39.5

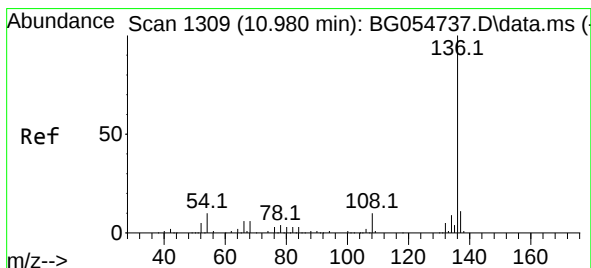
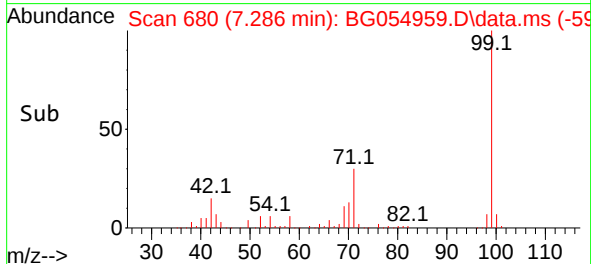
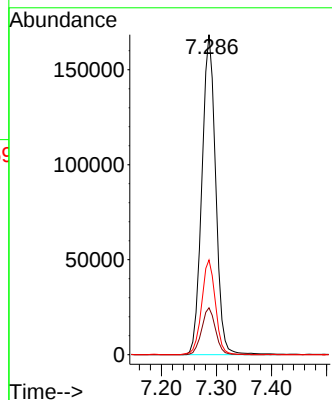
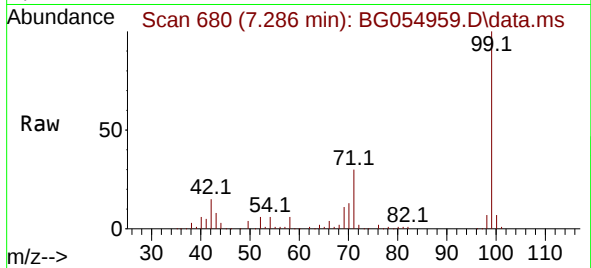




#7
Phenol-d6
Concen: 100.081 ng
RT: 7.286 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

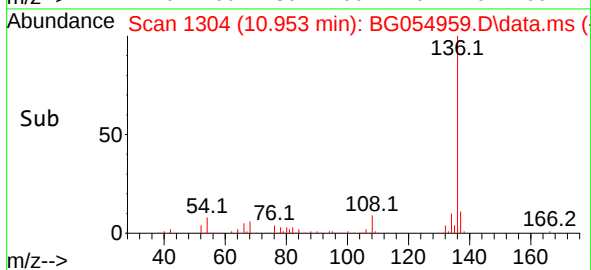
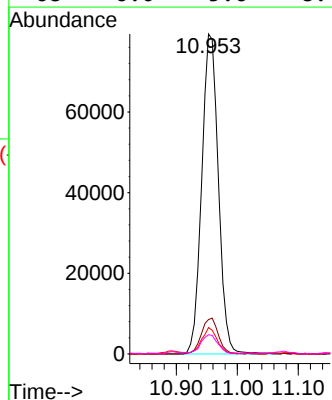
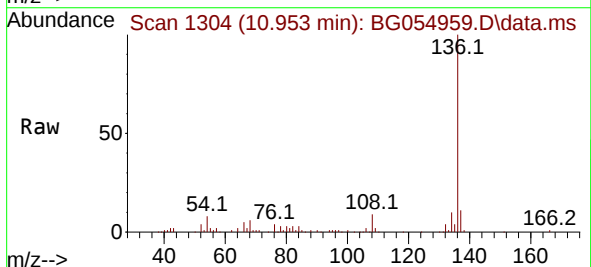
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

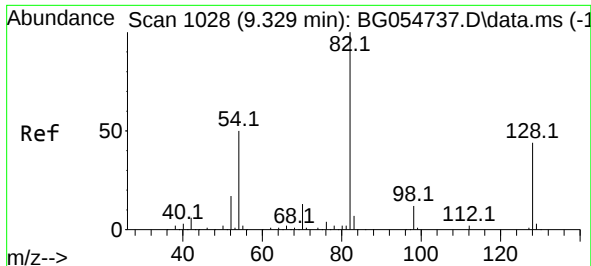
Tgt Ion: 99 Resp: 293261
Ion Ratio Lower Upper
99 100
42 14.7 14.6 22.0
71 29.6 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.953 min Scan# 1304
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion: 136 Resp: 150532
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 7.7 11.5
68 6.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 60.564 ng

RT: 9.302 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

Instrument :

BNA_G

ClientSampleId :

EP-BOTTOM

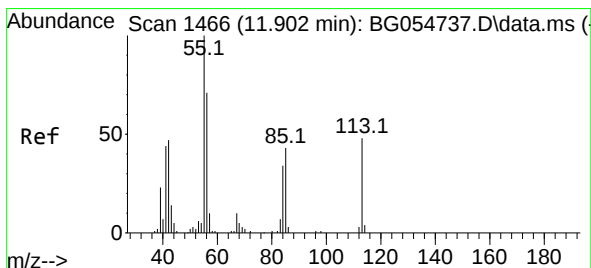
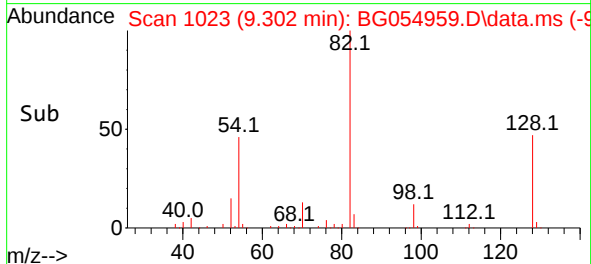
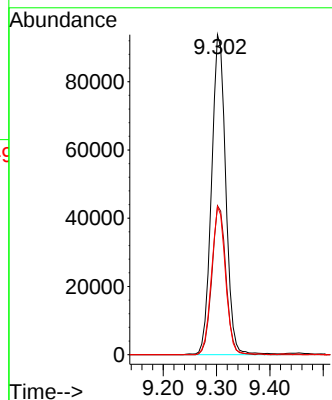
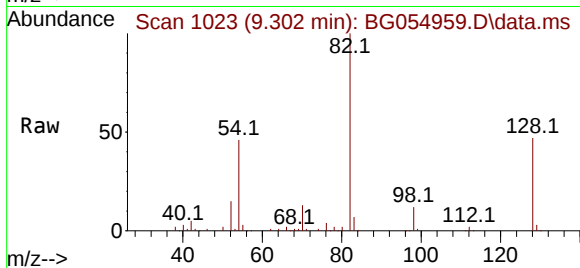
Tgt Ion: 82 Resp: 173665

Ion Ratio Lower Upper

82 100

128 46.6 32.2 48.2

54 46.3 41.4 62.0



#35

Caprolactam

Concen: 4.659 ng

RT: 11.940 min Scan# 1472

Delta R.T. 0.039 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

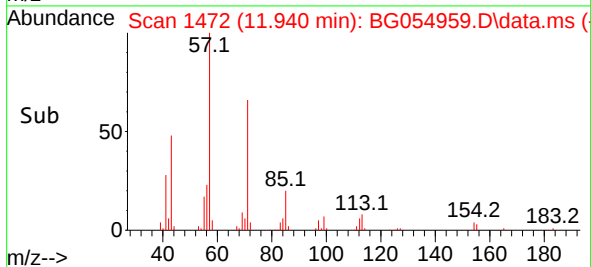
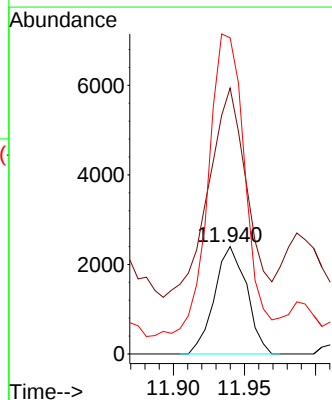
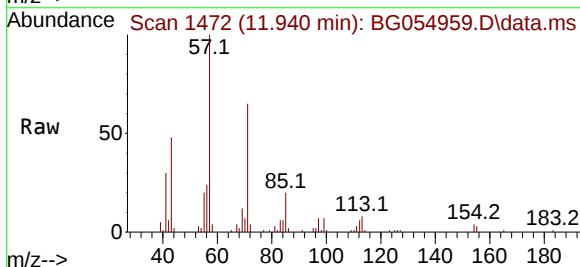
Tgt Ion: 113 Resp: 3782

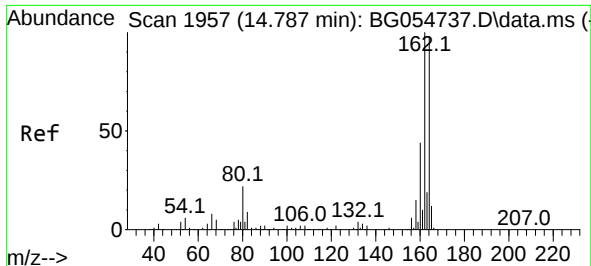
Ion Ratio Lower Upper

113 100

55 247.8 179.1 219.1#

56 294.6 120.8 160.8#

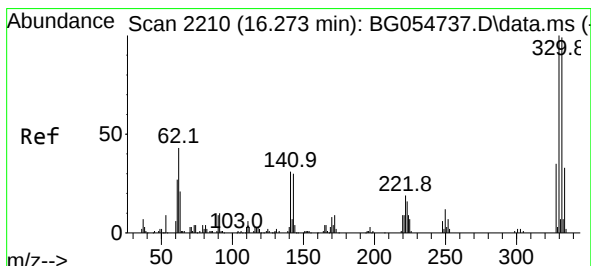
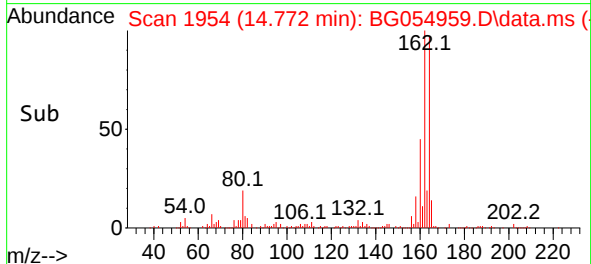
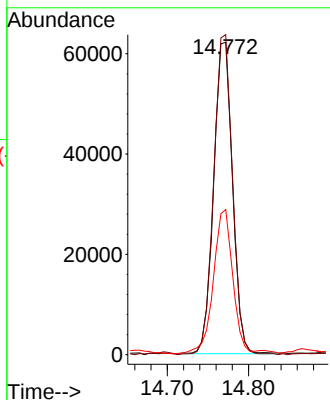
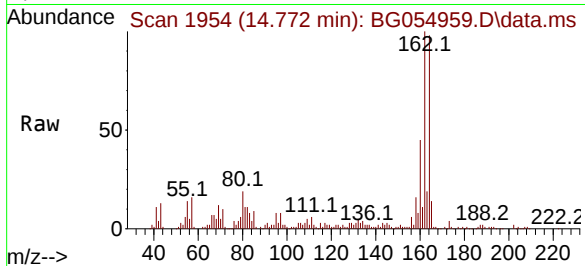




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.772 min Scan# 1954
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

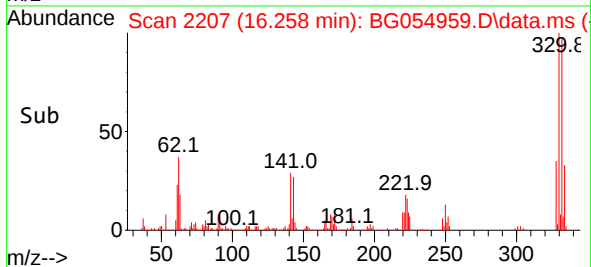
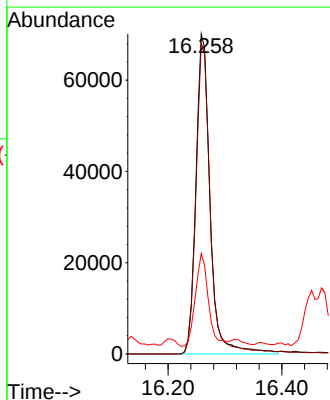
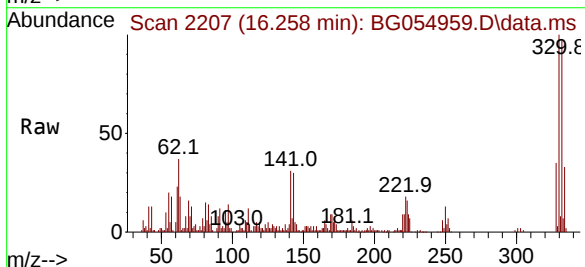
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

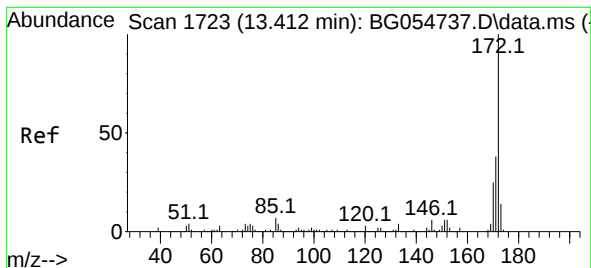
Tgt Ion:164 Resp: 100145
Ion Ratio Lower Upper
164 100
162 102.5 83.0 124.4
160 46.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 97.461 ng
RT: 16.258 min Scan# 2207
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:330 Resp: 121960
Ion Ratio Lower Upper
330 100
332 98.4 79.8 119.6
141 26.8 26.8 40.2#

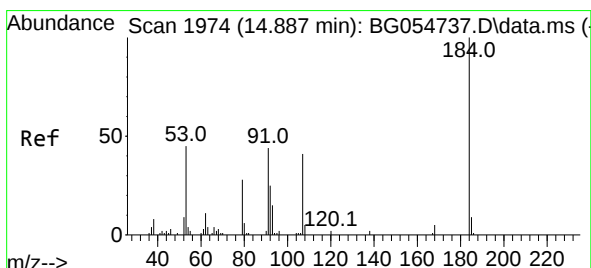
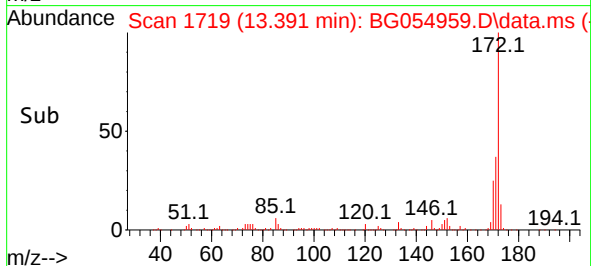
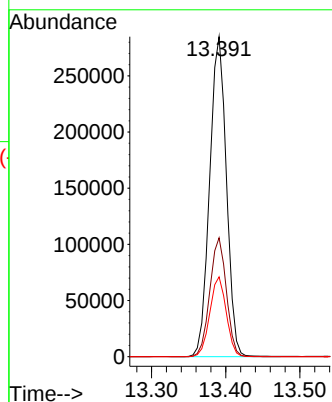
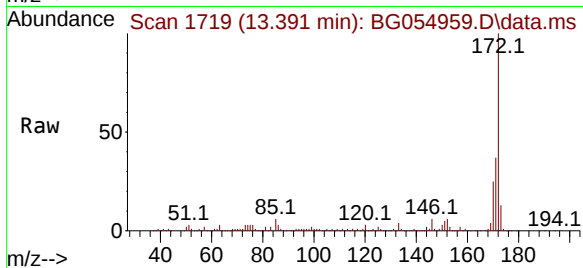




#45
2-Fluorobiphenyl
Concen: 67.103 ng
RT: 13.391 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

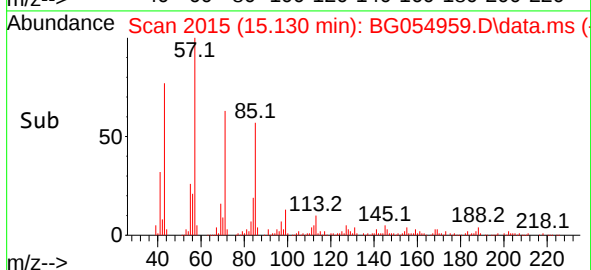
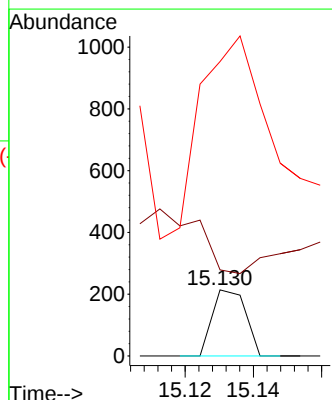
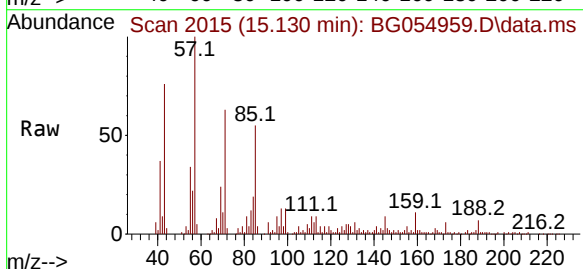
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

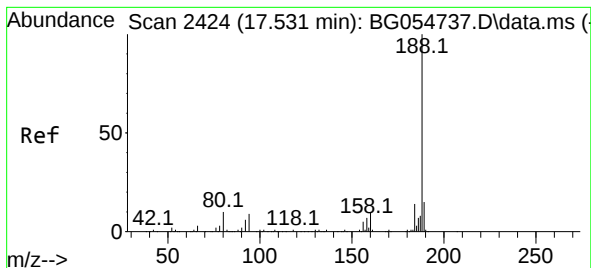
Tgt Ion:172 Resp: 447102
Ion Ratio Lower Upper
172 100
171 37.1 31.2 46.8
170 24.9 20.6 30.8



#54
2,4-Dinitrophenol
Concen: 6.849 ng
RT: 15.130 min Scan# 2015
Delta R.T. 0.233 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:184 Resp: 145
Ion Ratio Lower Upper
184 100
63 130.4 41.8 62.8#
154 445.3 45.2 67.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.522 min Scan# 2422

Delta R.T. -0.002 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

Instrument :

BNA_G

ClientSampleId :

EP-BOTTOM

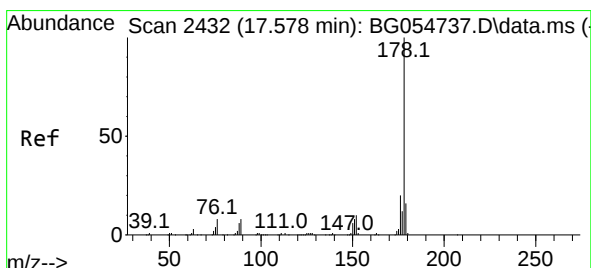
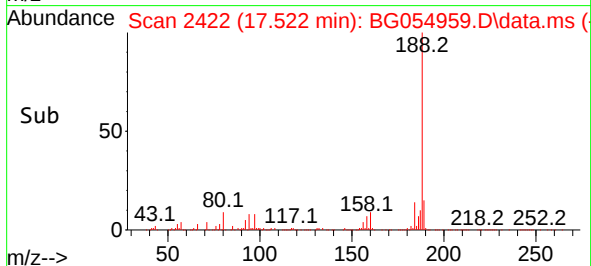
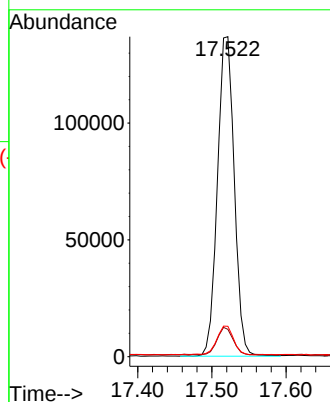
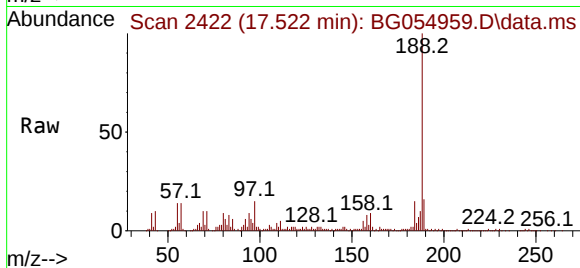
Tgt Ion:188 Resp: 216000

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 9.5 7.9 11.9



#71

Phenanthrene

Concen: 3.797 ng

RT: 17.563 min Scan# 2429

Delta R.T. -0.002 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

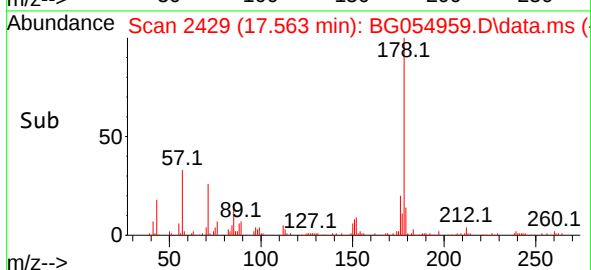
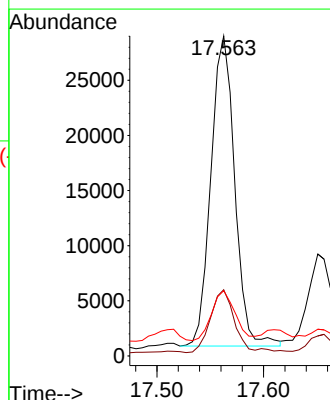
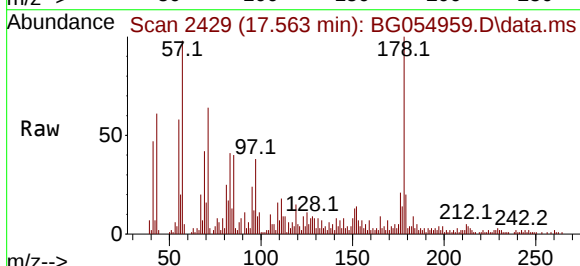
Tgt Ion:178 Resp: 43686

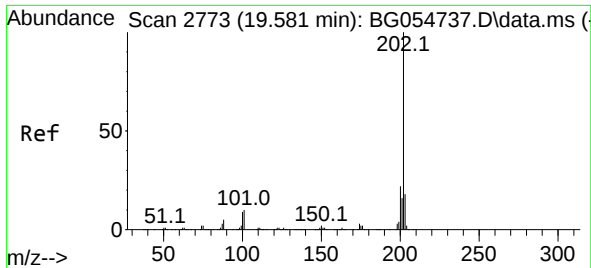
Ion Ratio Lower Upper

178 100

176 20.7 16.6 25.0

179 20.4 12.8 19.2#

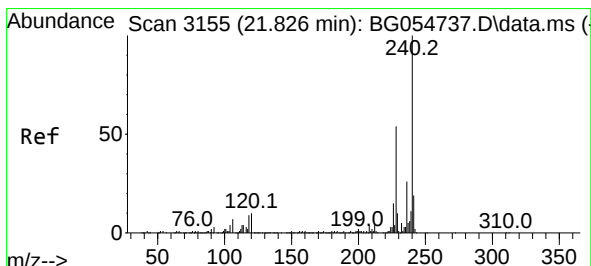
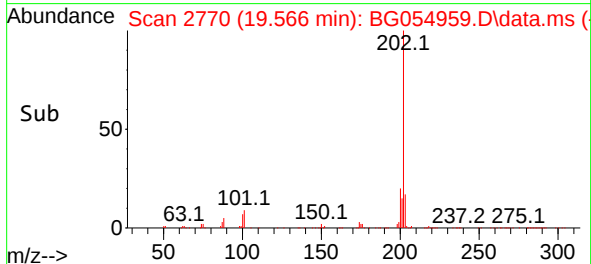
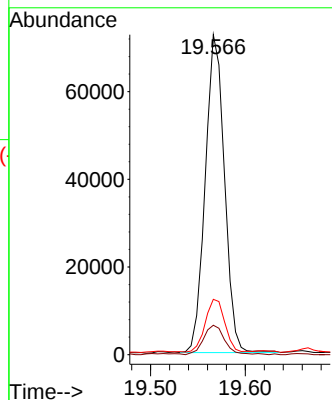
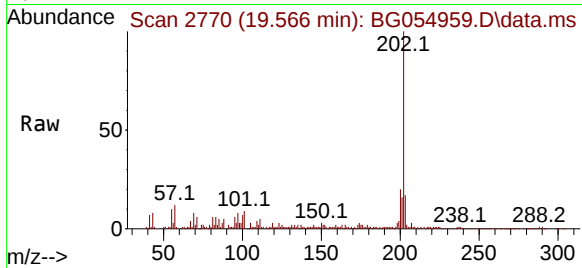




#75
Fluoranthene
Concen: 7.308 ng
RT: 19.566 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

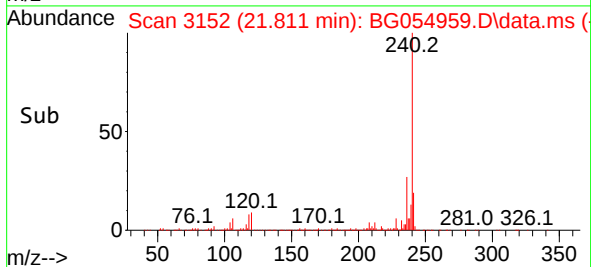
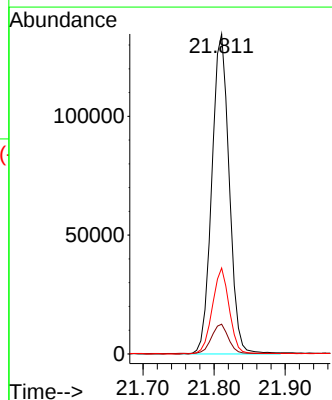
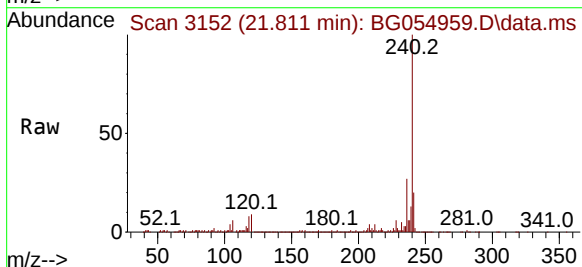
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

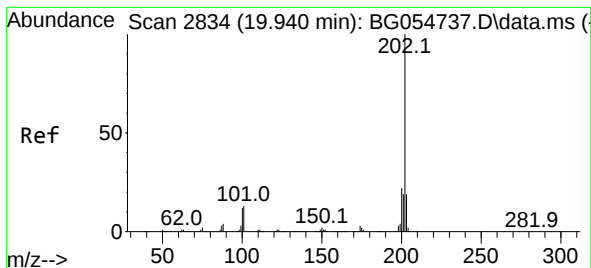
Tgt Ion:202 Resp: 102288
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.4
203 17.3 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.811 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:240 Resp: 228438
Ion Ratio Lower Upper
240 100
120 9.3 8.2 12.4
236 26.8 21.2 31.8





#78

Pyrene

Concen: 5.829 ng

RT: 19.930 min Scan# 2832

Delta R.T. -0.002 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

Instrument :

BNA_G

ClientSampleId :

EP-BOTTOM

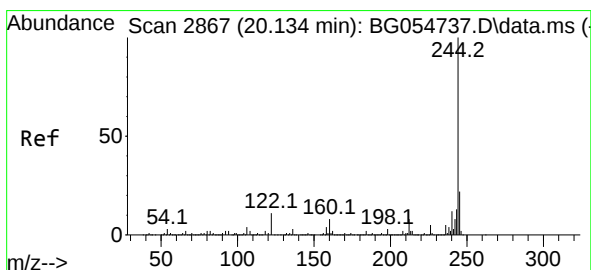
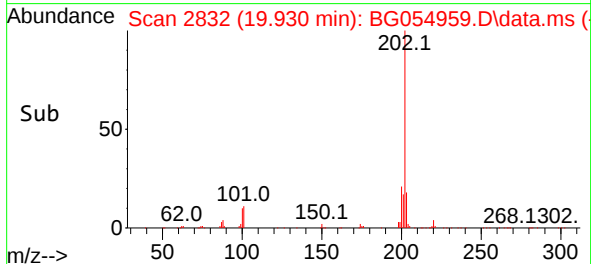
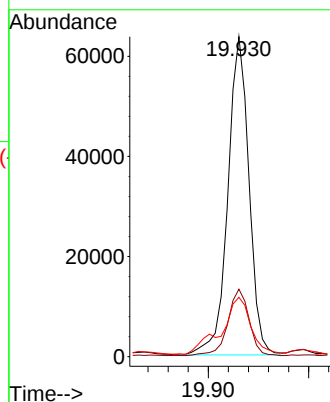
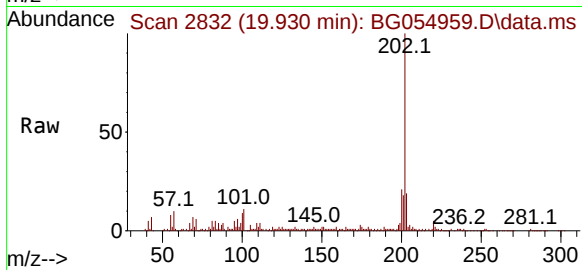
Tgt Ion:202 Resp: 92846

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 62.690 ng

RT: 20.113 min Scan# 2863

Delta R.T. -0.008 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

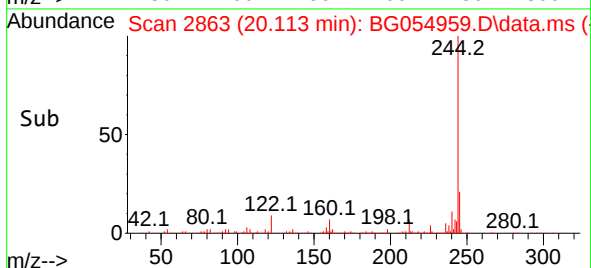
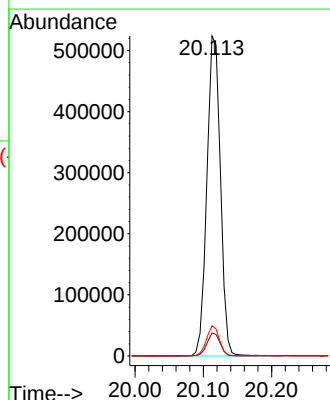
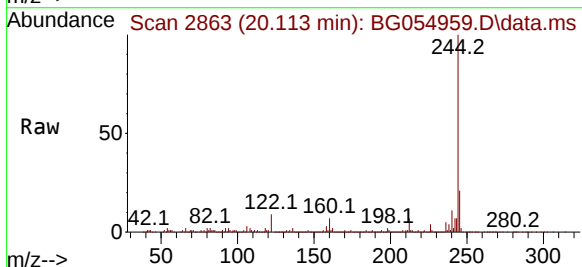
Tgt Ion:244 Resp: 722764

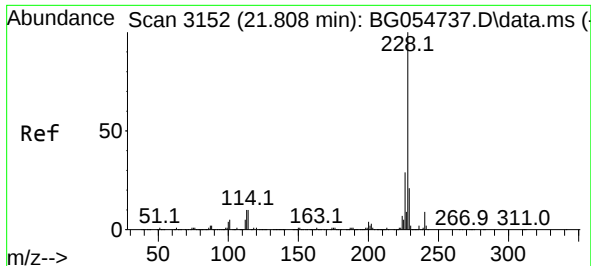
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

122 9.4 9.0 13.6

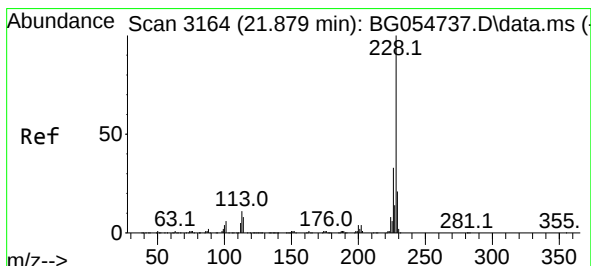
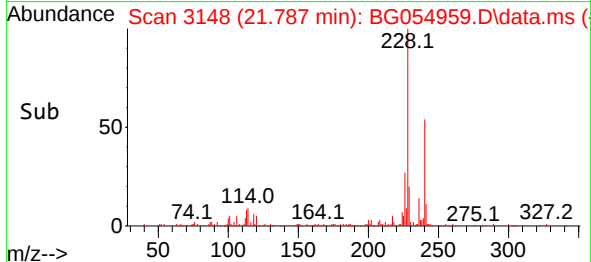
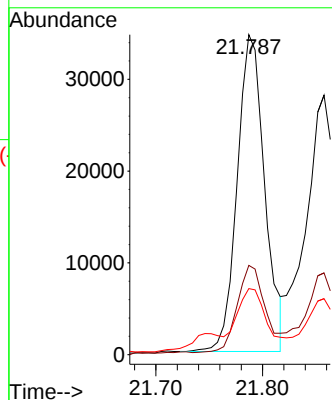
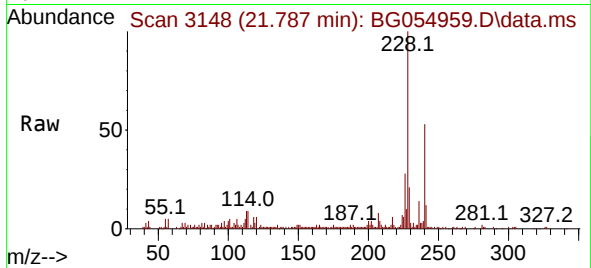




#81
Benzo(a)anthracene
Concen: 3.996 ng
RT: 21.787 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

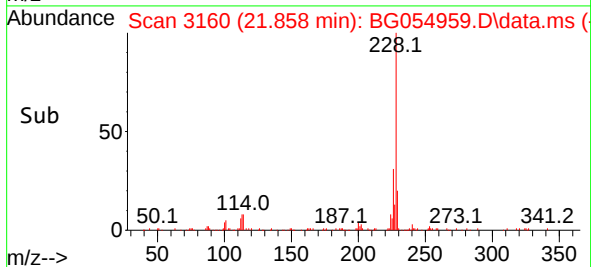
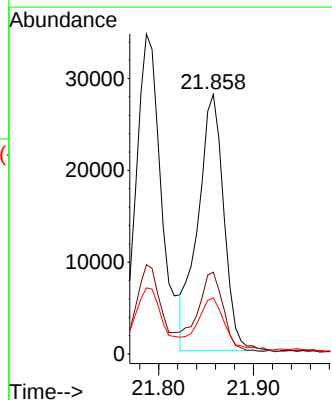
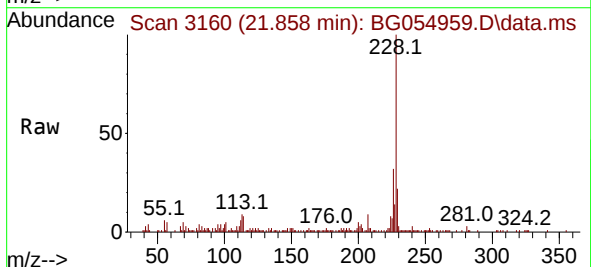
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

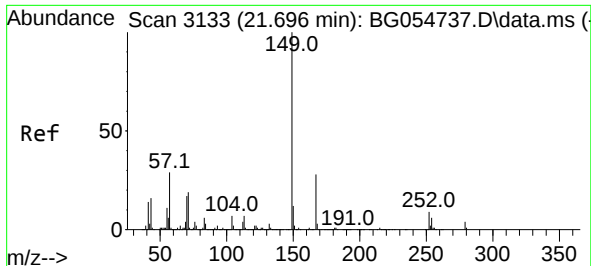
Tgt Ion:228 Resp: 61889
Ion Ratio Lower Upper
228 100
226 27.9 23.4 35.2
229 20.7 16.5 24.7



#83
Chrysene
Concen: 3.596 ng
RT: 21.858 min Scan# 3160
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:228 Resp: 53255
Ion Ratio Lower Upper
228 100
226 31.5 25.5 38.3
229 21.6 16.8 25.2

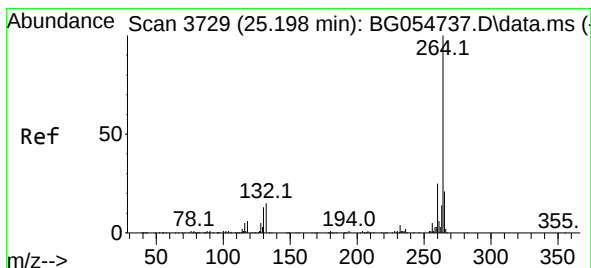
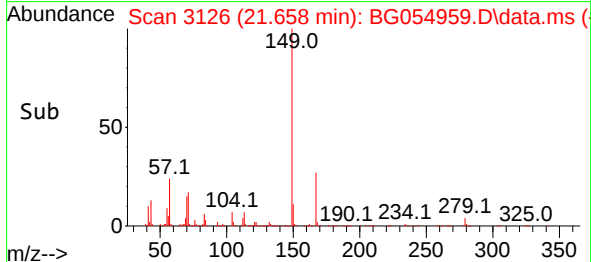
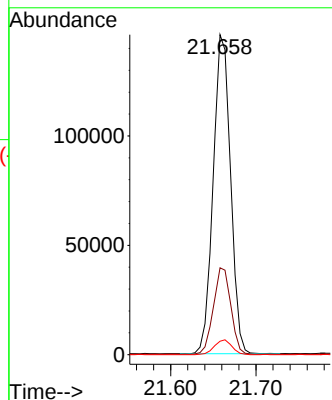
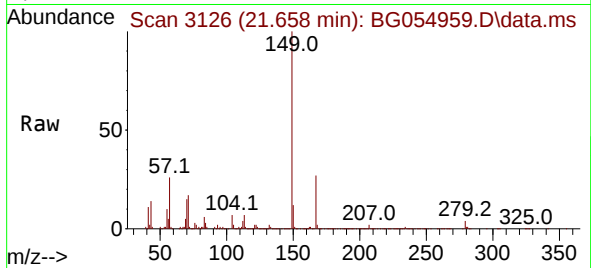




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.516 ng
RT: 21.658 min Scan# 3133
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

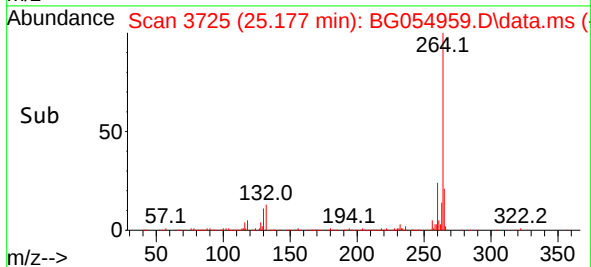
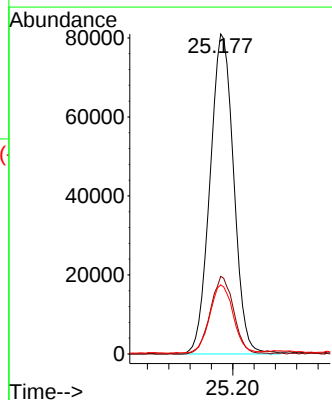
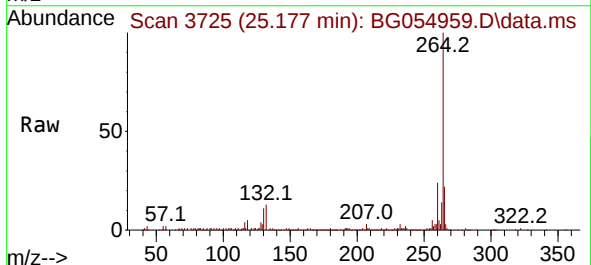
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

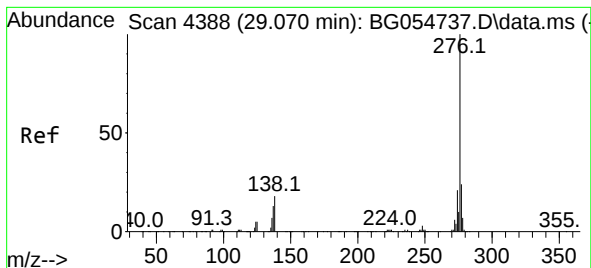
Tgt Ion:149 Resp: 205962
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.0
279 4.2 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.177 min Scan# 3725
Delta R.T. -0.008 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:264 Resp: 249607
Ion Ratio Lower Upper
264 100
260 24.3 19.9 29.9
265 21.6 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.526 ng

RT: 29.067 min Scan# 41

Delta R.T. -0.020 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

Instrument :

BNA_G

ClientSampleId :

EP-BOTTOM

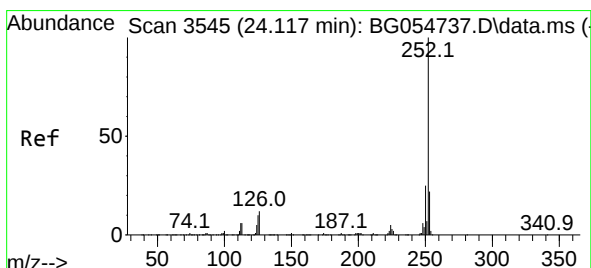
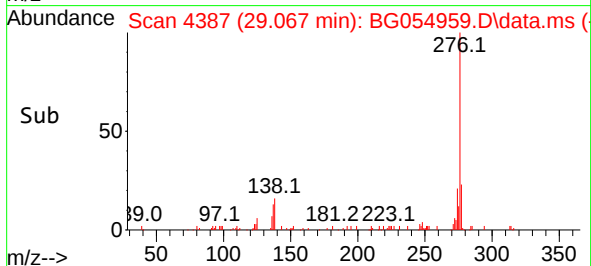
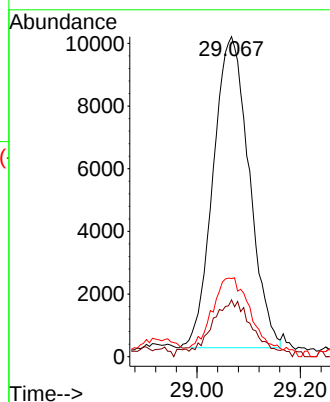
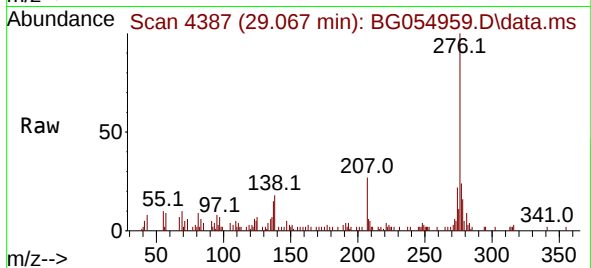
Tgt Ion:276 Resp: 47874

Ion Ratio Lower Upper

276 100

138 20.5 12.0 18.0#

277 23.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.775 ng

RT: 24.102 min Scan# 3542

Delta R.T. -0.008 min

Lab File: BG054959.D

Acq: 15 Sep 2022 16:54

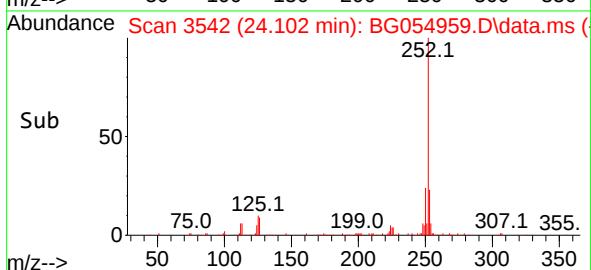
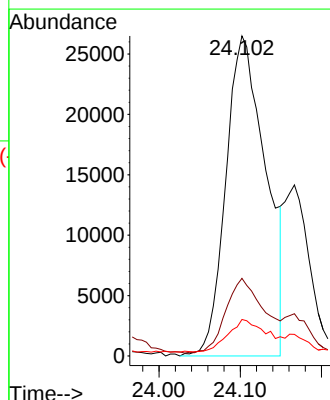
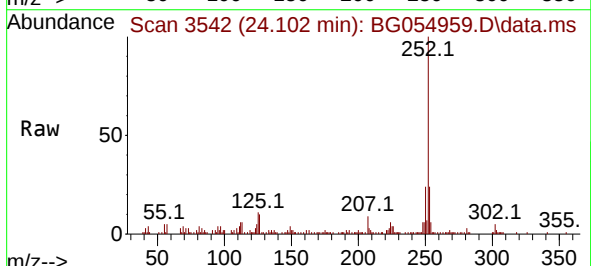
Tgt Ion:252 Resp: 90433

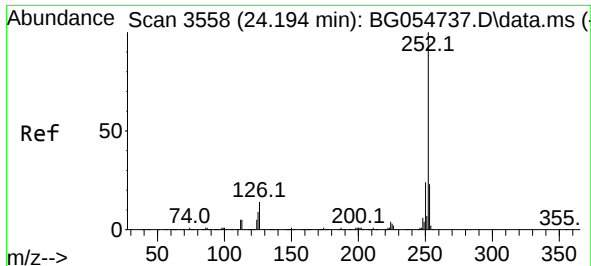
Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 11.4 8.1 12.1

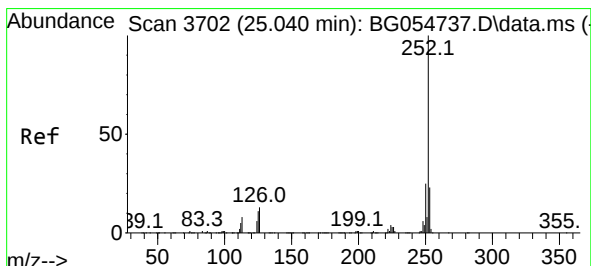
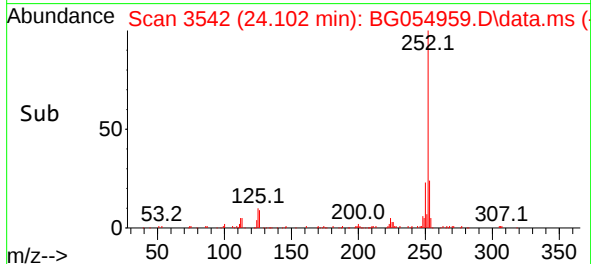
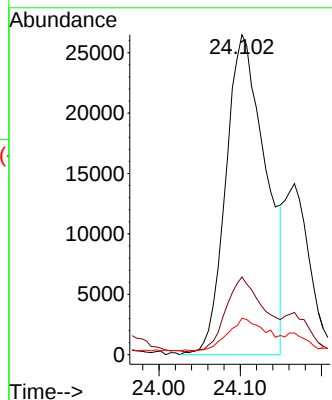
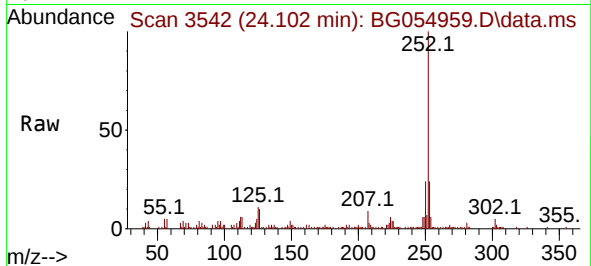




#89
Benzo(k)fluoranthene
Concen: 5.739 ng
RT: 24.102 min Scan# 31
Delta R.T. -0.079 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

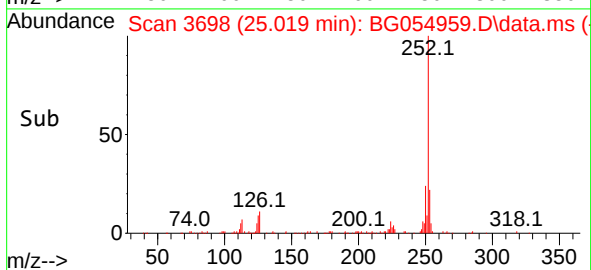
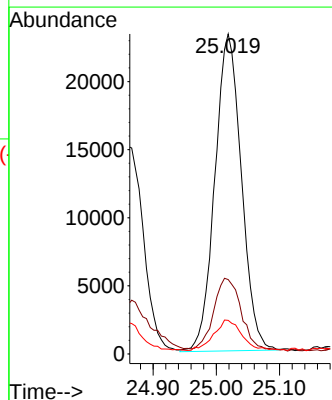
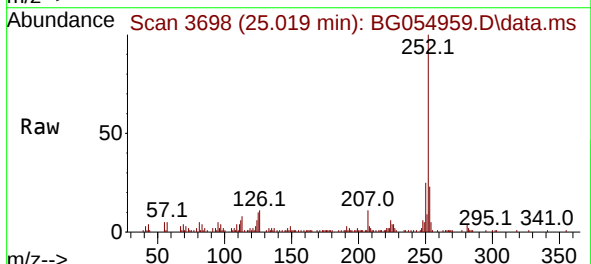
Instrument :
BNA_G
ClientSampleId :
EP-BOTTOM

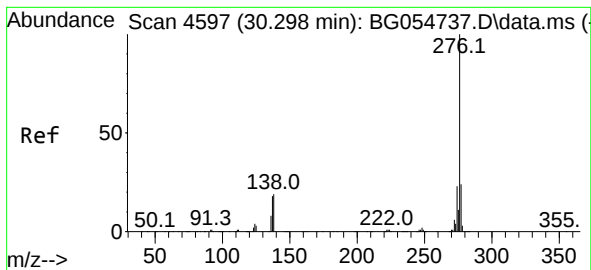
Tgt Ion:252 Resp: 90433
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 11.4 8.2 12.4



#90
Benzo(a)pyrene
Concen: 5.068 ng
RT: 25.019 min Scan# 3698
Delta R.T. -0.014 min
Lab File: BG054959.D
Acq: 15 Sep 2022 16:54

Tgt Ion:252 Resp: 67800
Ion Ratio Lower Upper
252 100
253 23.2 18.3 27.5
125 10.5 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.175 ng

RT: 30.277 min Scan# 4

Delta R.T. -0.032 min

Lab File: BG054959.D

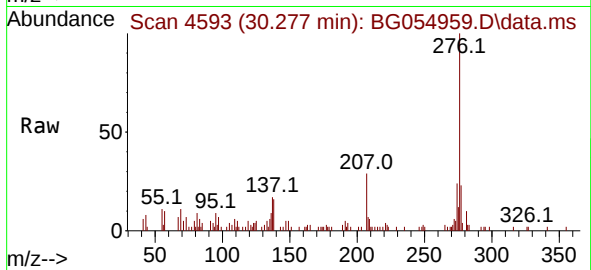
Acq: 15 Sep 2022 16:54

Instrument :

BNA_G

ClientSampleId :

EP-BOTTOM



Tgt Ion:276 Resp: 49512

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 16.5 16.6 25.0#

