

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054794.D
 Acq On : 30 Aug 2022 18:01
 Operator : CG/JU
 Sample : N4416-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B

Quant Time: Aug 31 02:08:27 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)

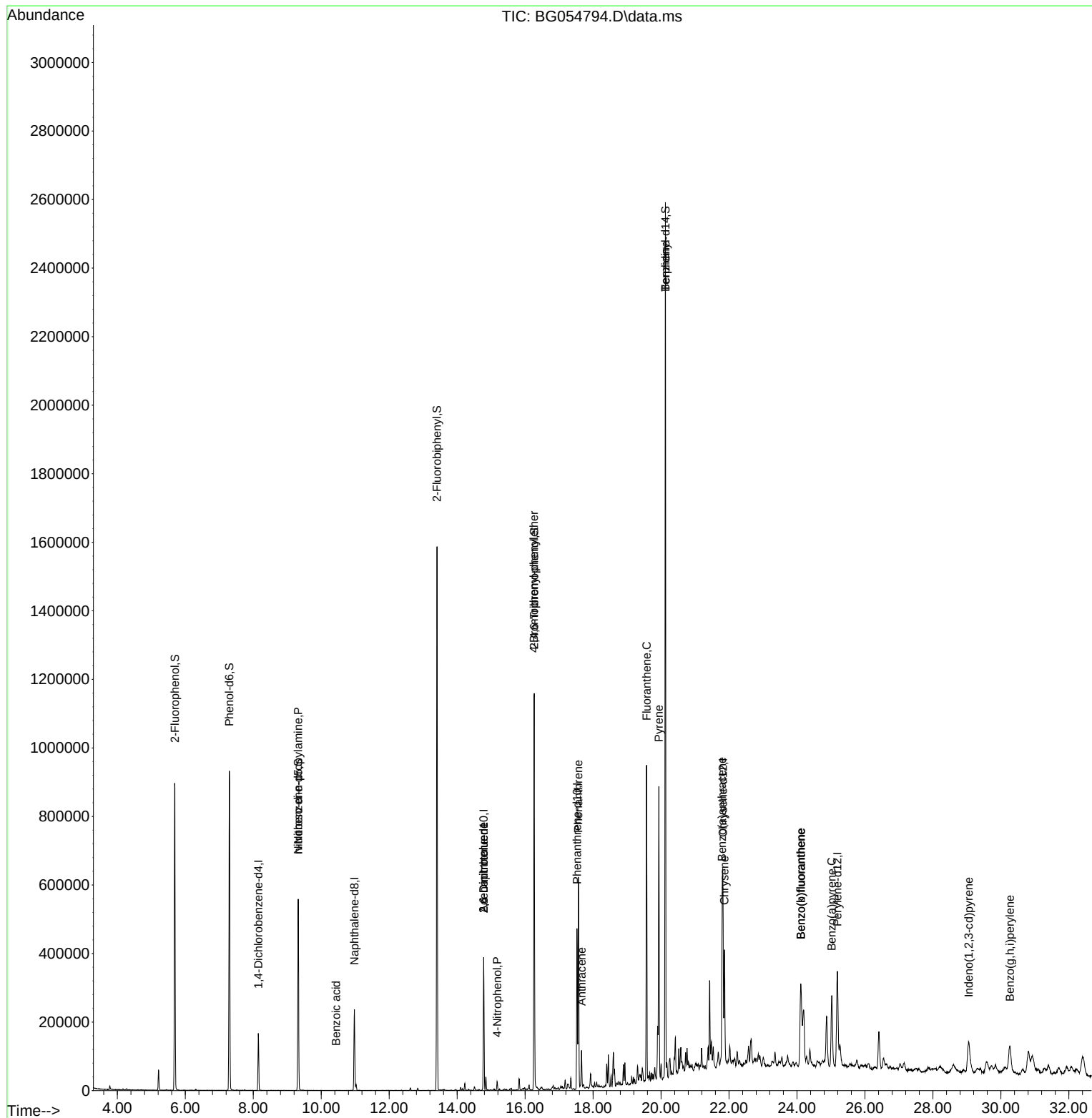
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.149	152	49340	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	212313	20.000	ng	0.00
39) Acenaphthene-d10	14.782	164	140705	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	303132	20.000	ng	0.00
76) Chrysene-d12	21.821	240	280304	20.000	ng	0.00
86) Perylene-d12	25.188	264	299794	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	429023	151.415	ng	0.00
7) Phenol-d6	7.297	99	592146	152.815	ng	0.00
23) Nitrobenzene-d5	9.324	82	349902	86.517	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	246161	140.007	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	851388	90.946	ng	0.00
79) Terphenyl-d14	20.129	244	1277615	90.311	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.324	70	43602	16.363	ng	# 77
32) Benzoic acid	10.434	122	54	7.826	ng	# 1
51) 2,6-Dinitrotoluene	14.782	165	18971	8.556	ng	# 21
56) 4-Nitrophenol	15.176	139	6261	3.260	ng	# 6
57) 2,4-Dinitrotoluene	14.782	165	18971	6.186	ng	# 19
67) 4-Bromophenyl-phenylether	16.263	248	16185	4.863	ng	# 1
71) Phenanthrene	17.567	178	393154	24.347	ng	99
72) Anthracene	17.661	178	73541	4.684	ng	98
75) Fluoranthene	19.576	202	601860	30.638	ng	98
77) Benzidine	20.129	184	20599	2.967	ng	# 89
78) Pyrene	19.935	202	535566	27.401	ng	99
81) Benzo(a)anthracene	21.797	228	258629	13.608	ng	99
83) Chrysene	21.868	228	250362	13.777	ng	99
87) Indeno(1,2,3-cd)pyrene	29.054	276	166848	7.331	ng	98
88) Benzo(b)fluoranthene	24.112	252	334282	17.775	ng	99
89) Benzo(k)fluoranthene	24.112	252	334282	17.662	ng	100
90) Benzo(a)pyrene	25.023	252	244286	15.204	ng	99
92) Benzo(g,h,i)perylene	30.264	276	169233	9.035	ng	99

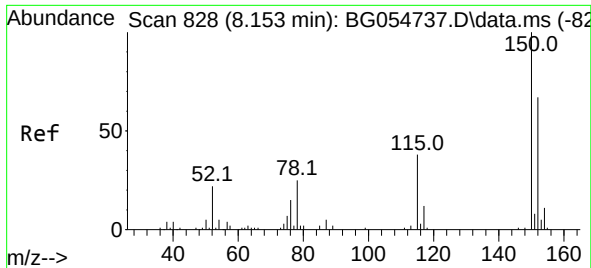
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
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Misc :
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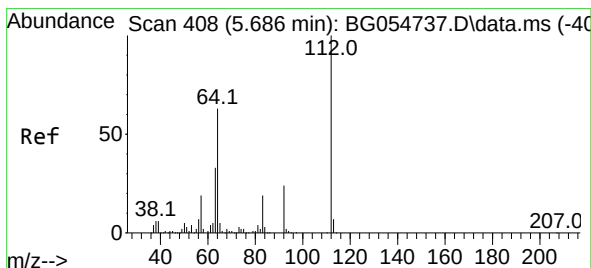
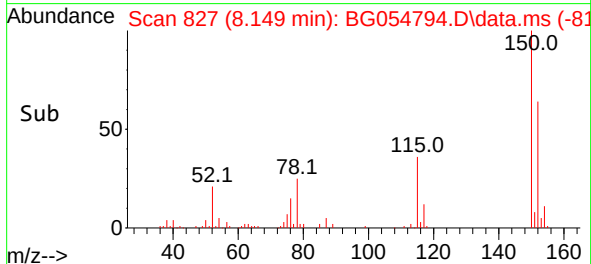
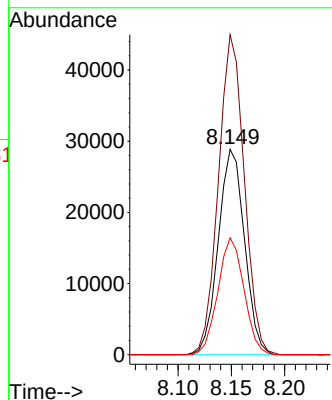
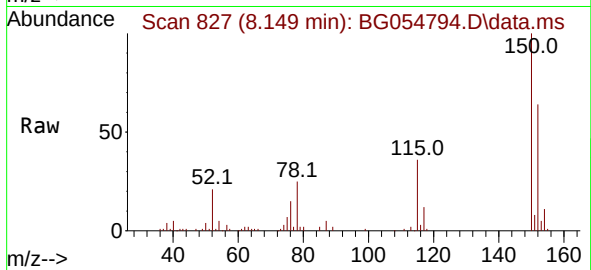




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.149 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

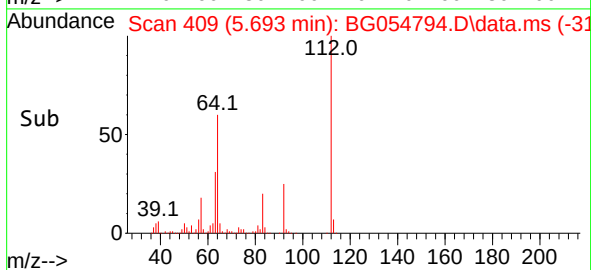
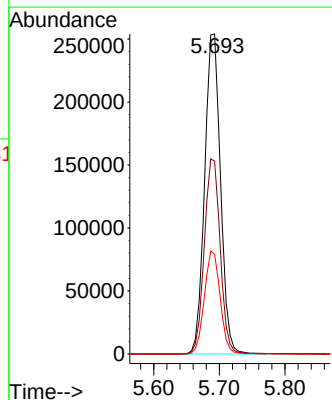
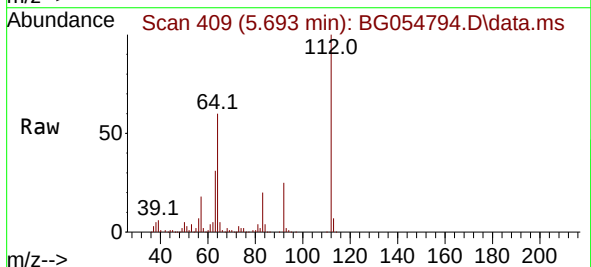
Instrument :
BNA_G
ClientSampleId :
B

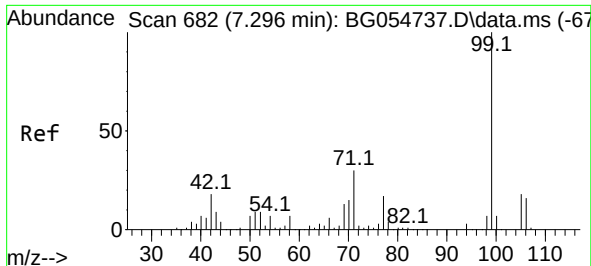
Tgt Ion:152 Resp: 49340
Ion Ratio Lower Upper
152 100
150 155.8 125.2 187.8
115 56.9 47.9 71.9



#5
2-Fluorophenol
Concen: 151.415 ng
RT: 5.693 min Scan# 409
Delta R.T. 0.007 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:112 Resp: 429023
Ion Ratio Lower Upper
112 100
64 60.3 49.3 73.9
63 31.1 26.3 39.5

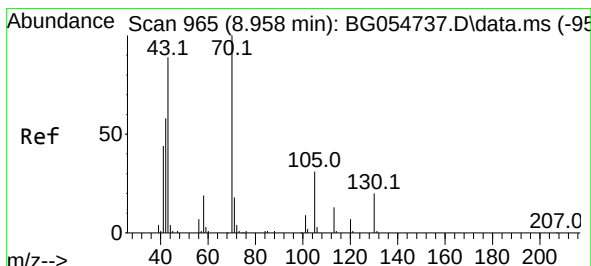
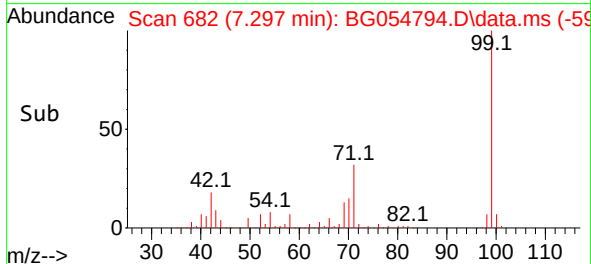
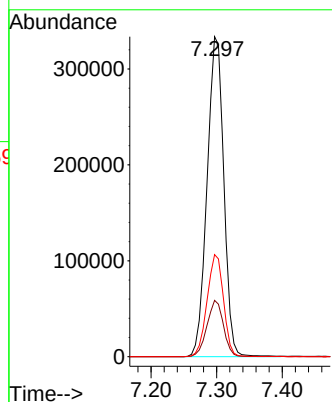
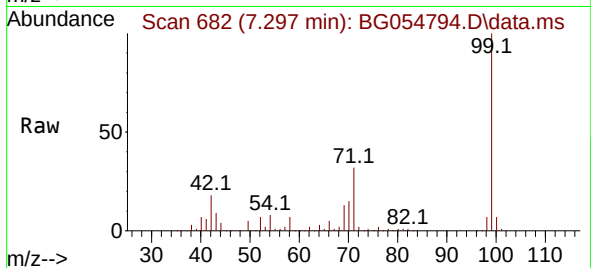




#7
Phenol-d6
Concen: 152.815 ng
RT: 7.297 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

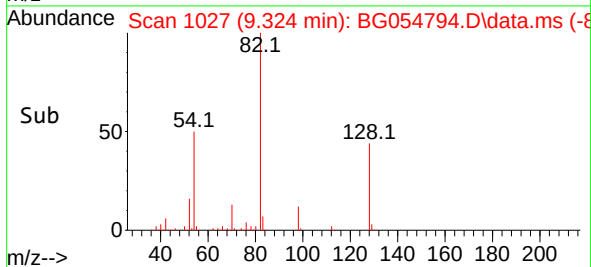
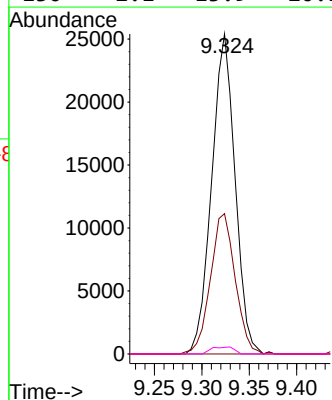
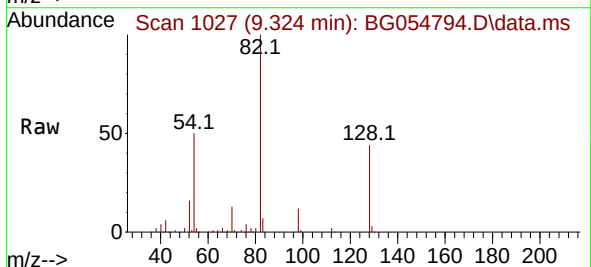
Instrument :
BNA_G
ClientSampleId :
B

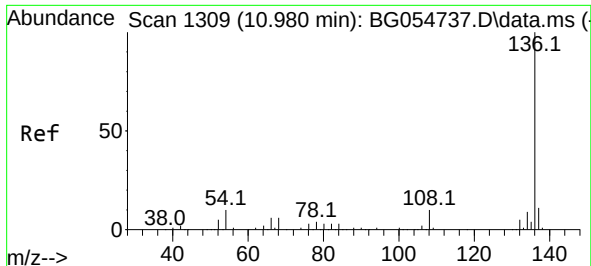
Tgt Ion: 99 Resp: 592146
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 31.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.363 ng
RT: 9.324 min Scan# 1027
Delta R.T. 0.365 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion: 70 Resp: 43602
Ion Ratio Lower Upper
70 100
42 43.8 46.6 69.8#
101 0.0 7.7 11.5#
130 2.1 13.9 20.9#

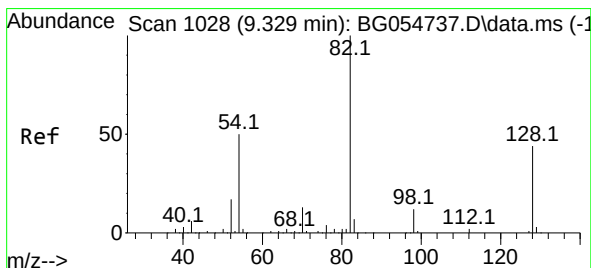
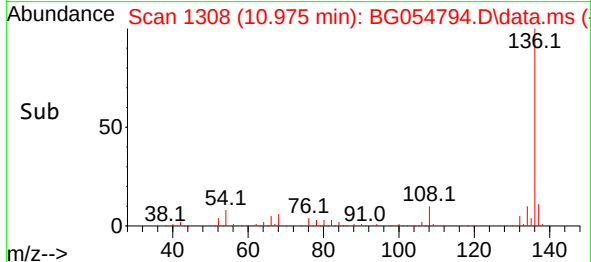
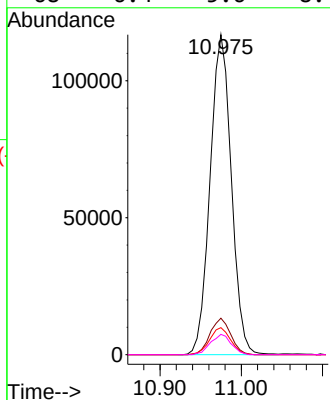
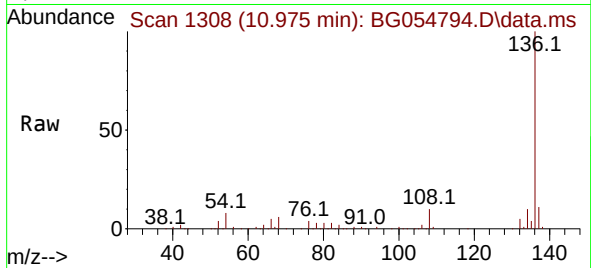




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

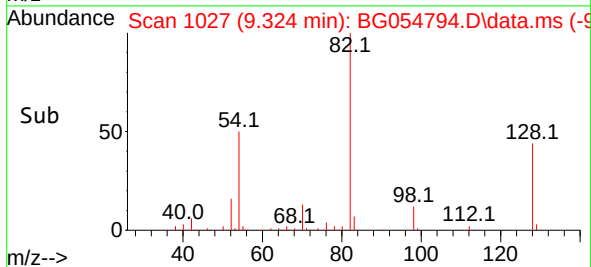
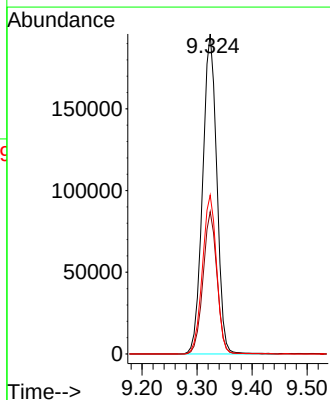
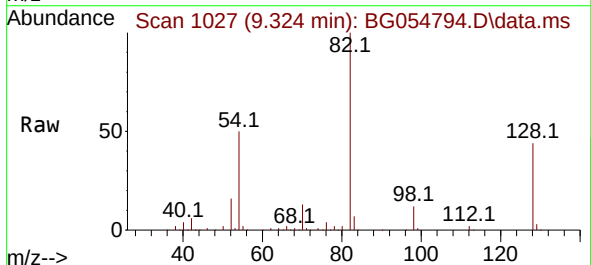
Instrument :
BNA_G
ClientSampleId :
B

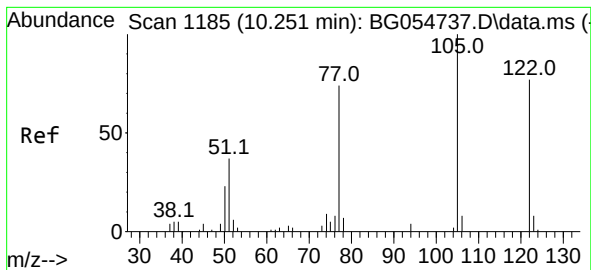
Tgt Ion:	136	Resp:	212313
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	8.5	7.7	11.5
68	6.4	5.6	8.4



#23
Nitrobenzene-d5
Concen: 86.517 ng
RT: 9.324 min Scan# 1027
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:	82	Resp:	349902
Ion Ratio	Lower	Upper	
82	100		
128	44.5	32.2	48.2
54	49.7	41.4	62.0

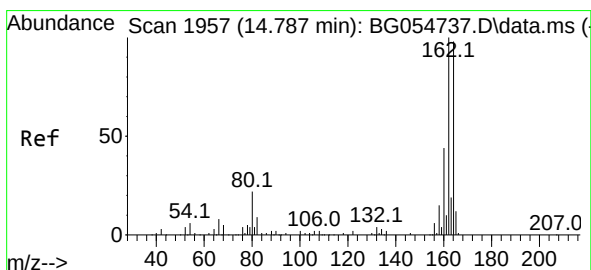
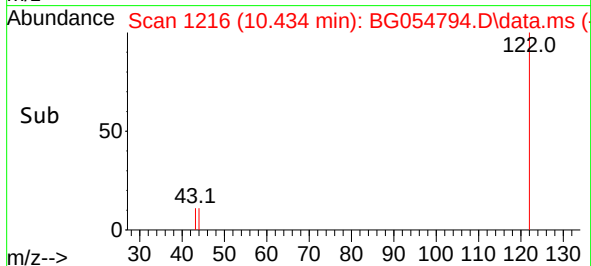
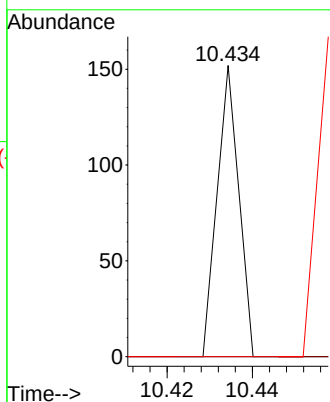
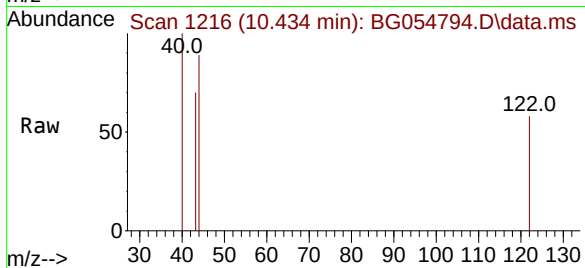




#32
Benzoic acid
Concen: 7.826 ng
RT: 10.434 min Scan# 1185
Delta R.T. 0.183 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

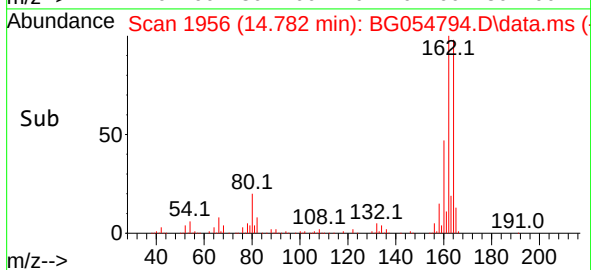
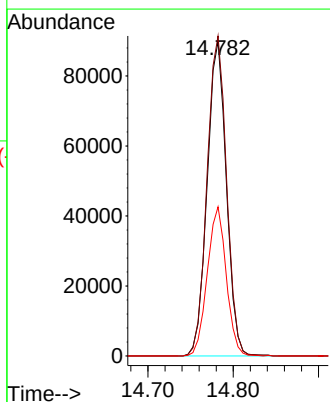
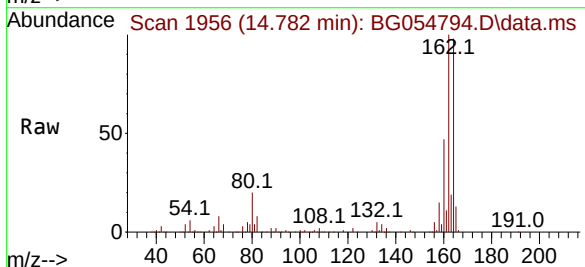
Instrument :
BNA_G
ClientSampleId :
B

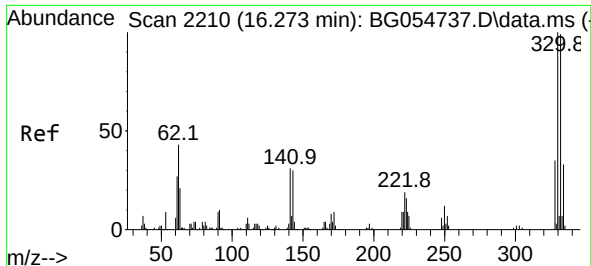
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 0.0 69.3 109.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

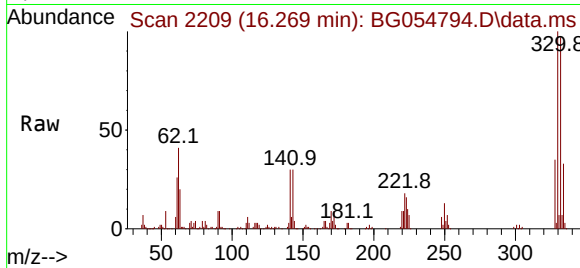
Tgt Ion:164 Resp: 140705
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.4
160 47.4 38.0 57.0



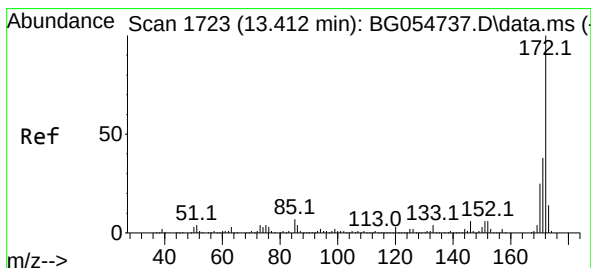
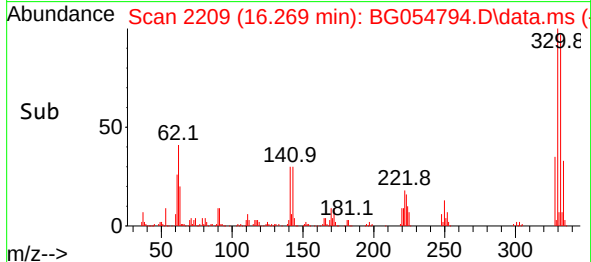
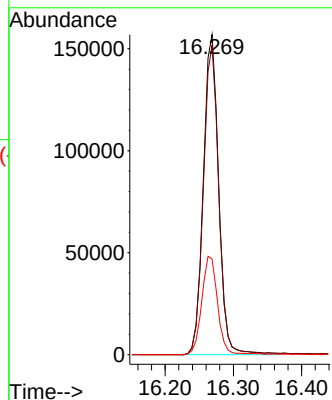


#42
2,4,6-Tribromophenol
Concen: 140.007 ng
RT: 16.269 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Instrument :
BNA_G
ClientSampleId :
B

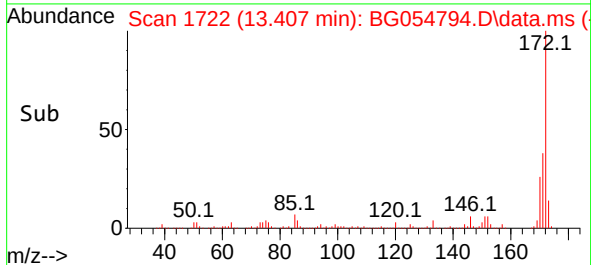
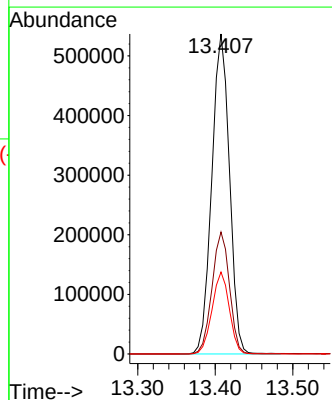
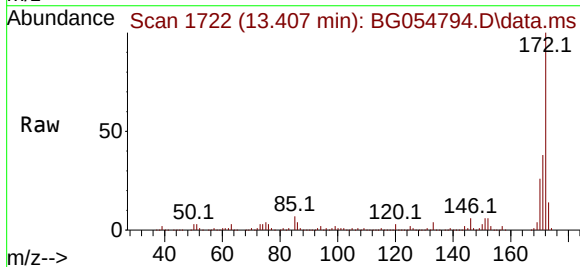


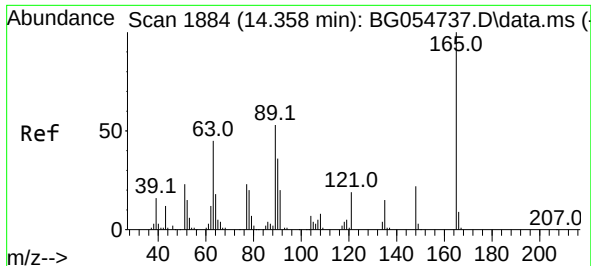
Tgt Ion:330 Resp: 246161
Ion Ratio Lower Upper
330 100
332 97.1 79.8 119.6
141 31.4 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 90.946 ng
RT: 13.407 min Scan# 1722
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:172 Resp: 851388
Ion Ratio Lower Upper
172 100
171 38.1 31.2 46.8
170 25.6 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 8.556 ng

RT: 14.782 min Scan# 11

Delta R.T. 0.424 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

Instrument :

BNA_G

ClientSampleId :

B

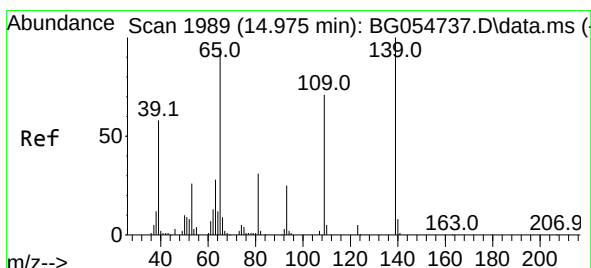
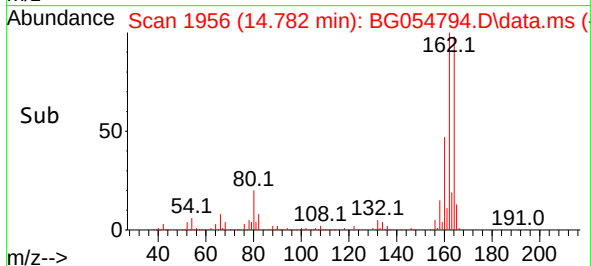
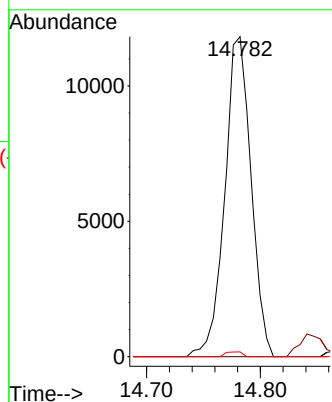
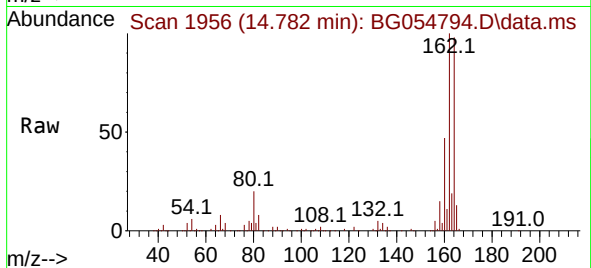
Tgt Ion:165 Resp: 18971

Ion Ratio Lower Upper

165 100

63 0.0 46.0 69.0#

89 1.5 50.3 75.5#



#56

4-Nitrophenol

Concen: 3.260 ng

RT: 15.176 min Scan# 2023

Delta R.T. 0.201 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

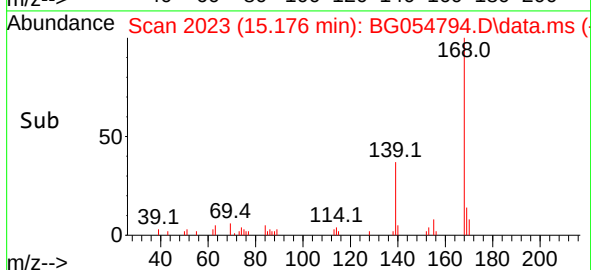
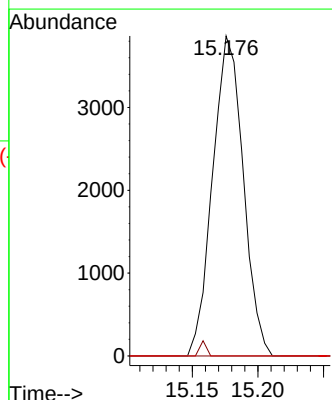
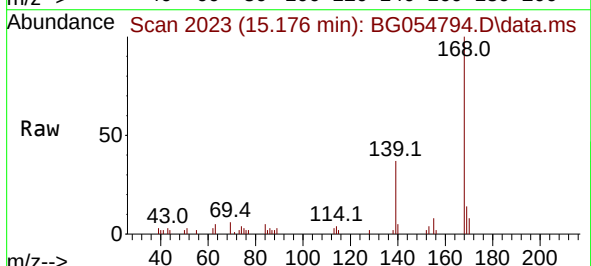
Tgt Ion:139 Resp: 6261

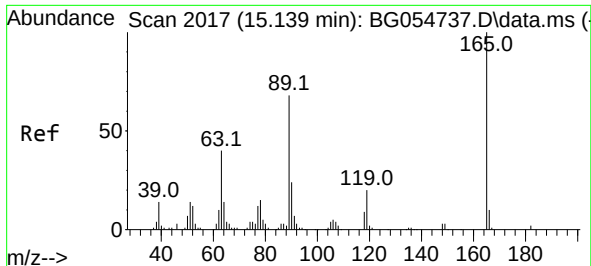
Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

65 0.0 79.9 119.9#

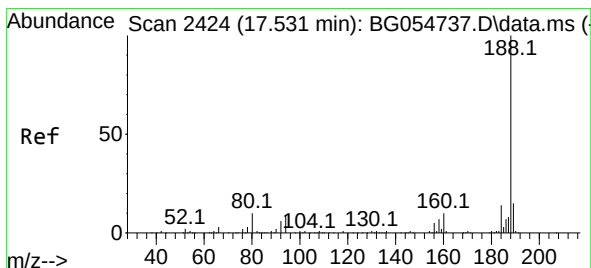
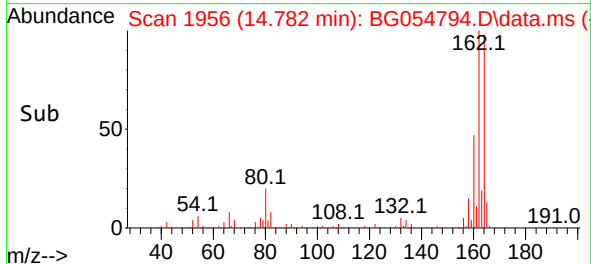
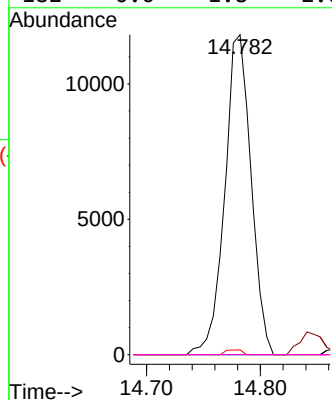
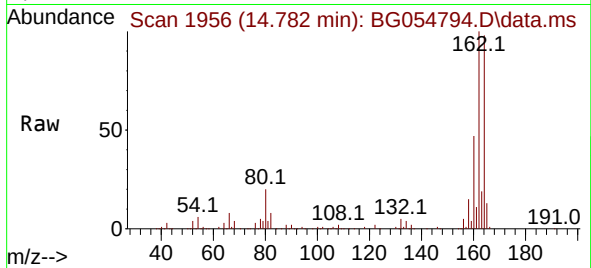




#57
2,4-Dinitrotoluene
Concen: 6.186 ng
RT: 14.782 min Scan# 1956
Delta R.T. -0.357 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

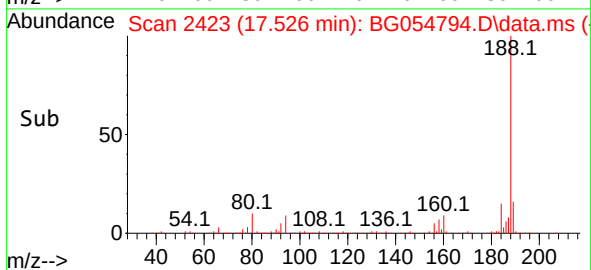
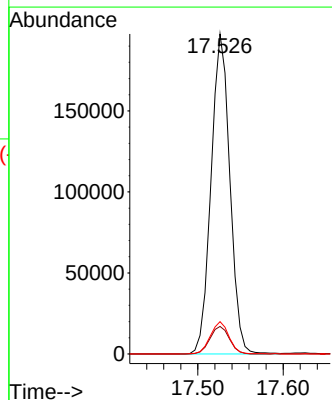
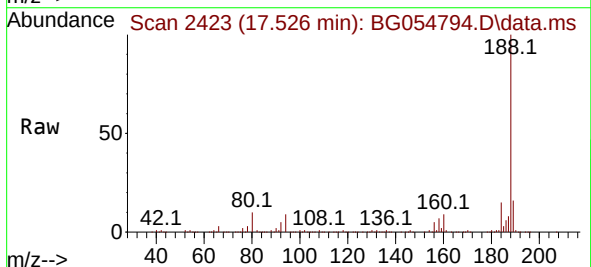
Instrument :
BNA_G
ClientSampleId :
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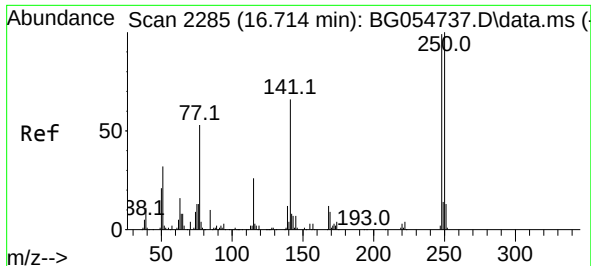
Tgt Ion:165 Resp: 18971
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 1.5 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.526 min Scan# 2423
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:188 Resp: 303132
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 10.1 7.9 11.9

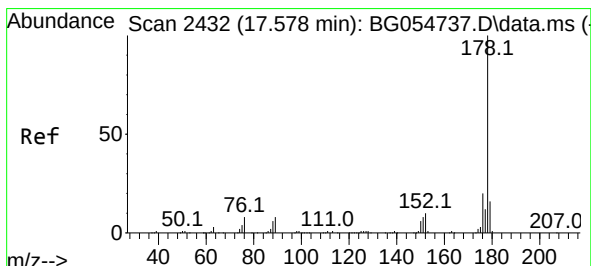
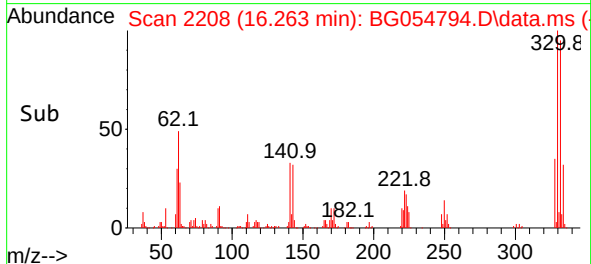
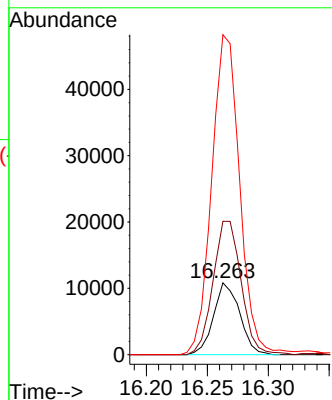
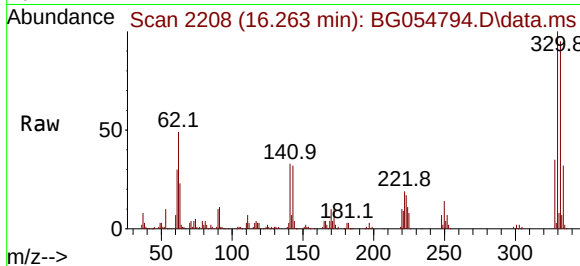




#67
4-Bromophenyl-phenylether
Concen: 4.863 ng
RT: 16.263 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

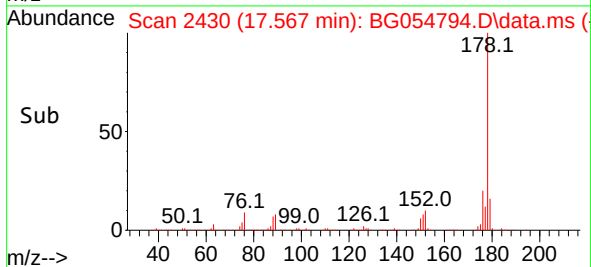
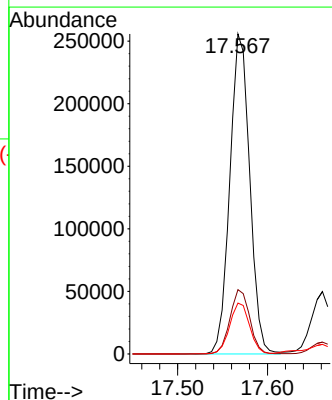
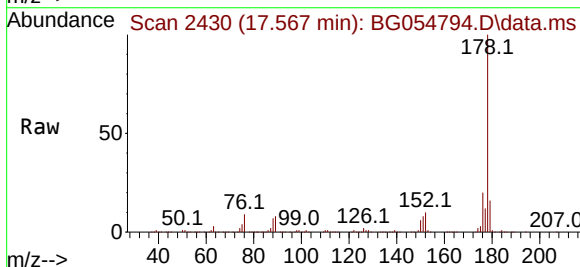
Instrument :
BNA_G
ClientSampleId :
B

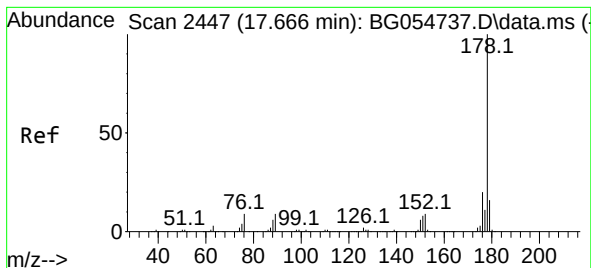
Tgt Ion:248 Resp: 16185
Ion Ratio Lower Upper
248 100
250 185.7 78.8 118.2#
141 445.0 51.9 77.9#



#71
Phenanthrene
Concen: 24.347 ng
RT: 17.567 min Scan# 2430
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:178 Resp: 393154
Ion Ratio Lower Upper
178 100
176 20.1 16.6 25.0
179 15.9 12.8 19.2





#72

Anthracene

Concen: 4.684 ng

RT: 17.661 min Scan# 2447

Delta R.T. -0.005 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

Instrument :

BNA_G

ClientSampleId :

B

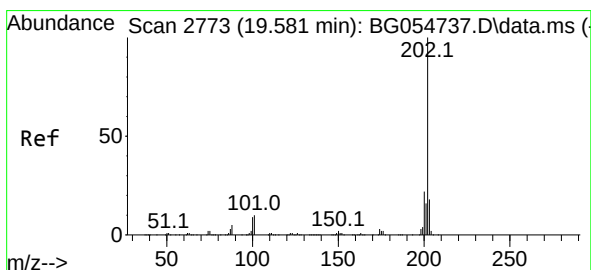
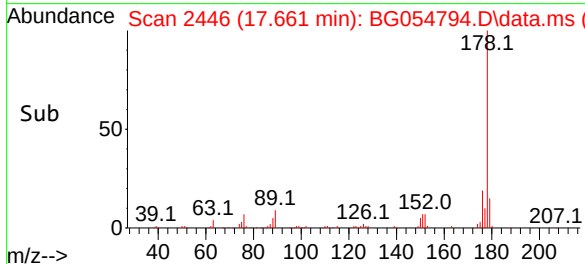
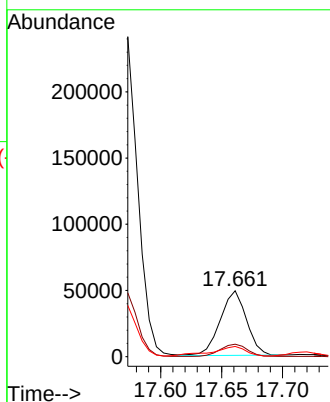
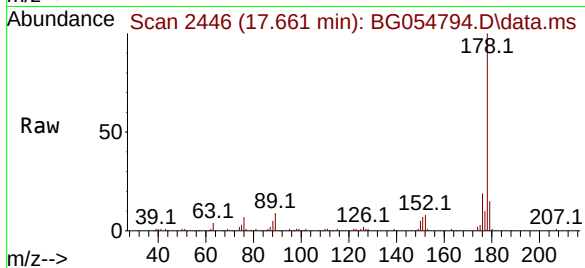
Tgt Ion:178 Resp: 73541

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

179 15.4 12.9 19.3



#75

Fluoranthene

Concen: 30.638 ng

RT: 19.576 min Scan# 2772

Delta R.T. -0.005 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

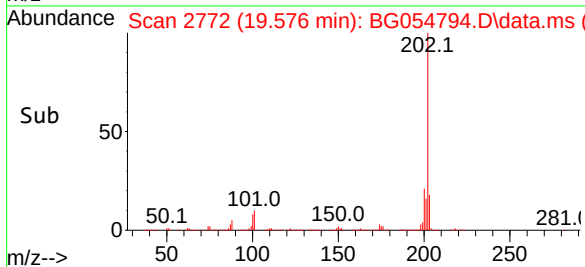
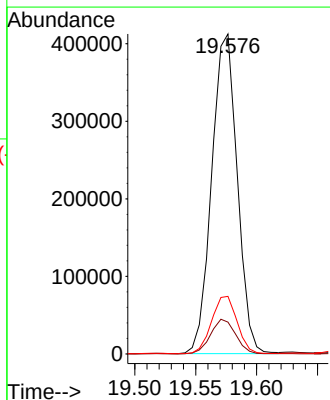
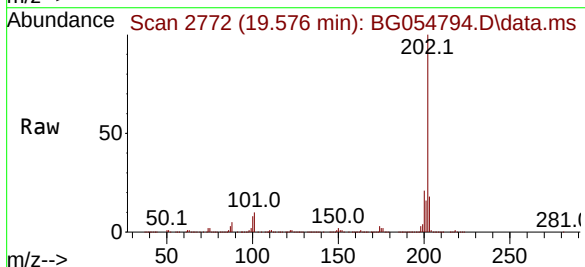
Tgt Ion:202 Resp: 601860

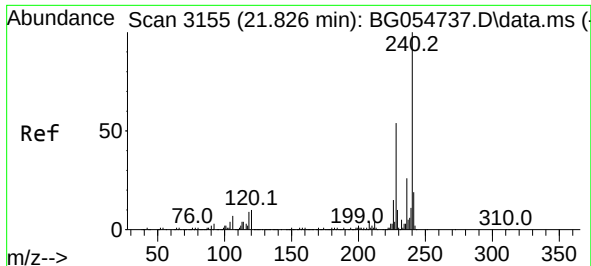
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.4

203 18.0 0.0 38.6

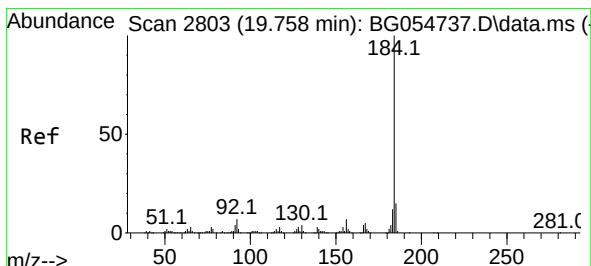
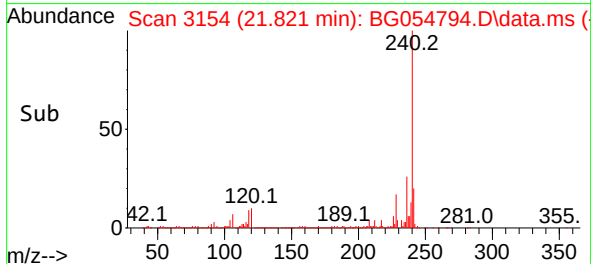
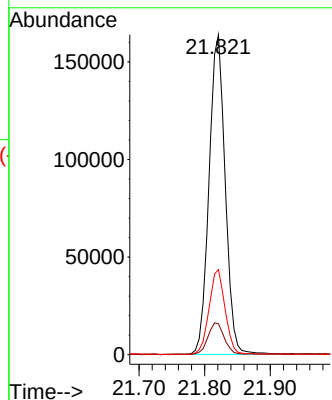
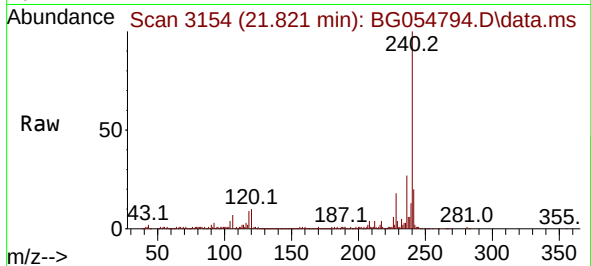




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3155
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

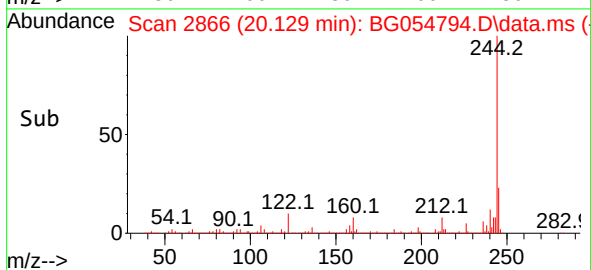
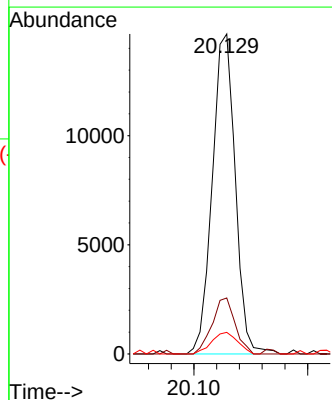
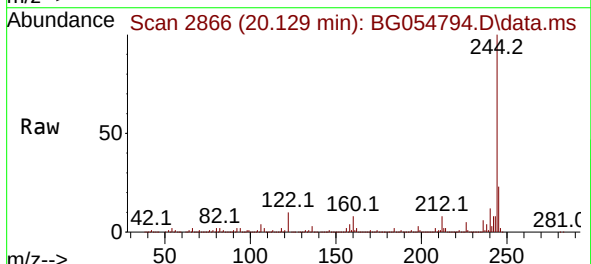
Instrument :
BNA_G
ClientSampleId :
B

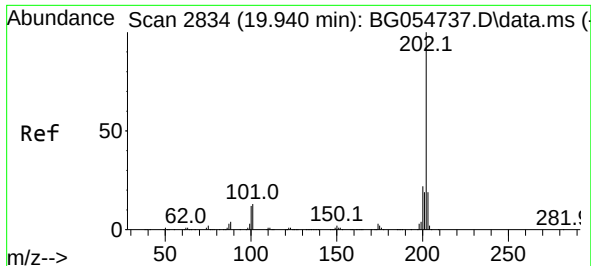
Tgt Ion:240 Resp: 280304
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.4
236 26.6 21.2 31.8



#77
Benzidine
Concen: 2.967 ng
RT: 20.129 min Scan# 2866
Delta R.T. 0.371 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:184 Resp: 20599
Ion Ratio Lower Upper
184 100
185 17.5 11.4 17.0#
183 6.8 9.8 14.8#

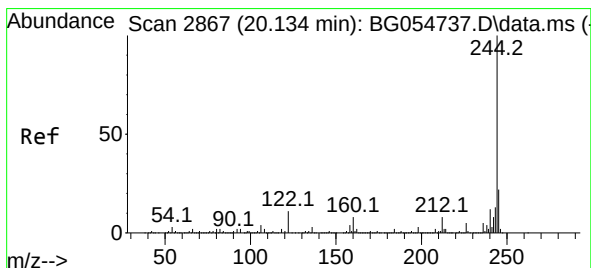
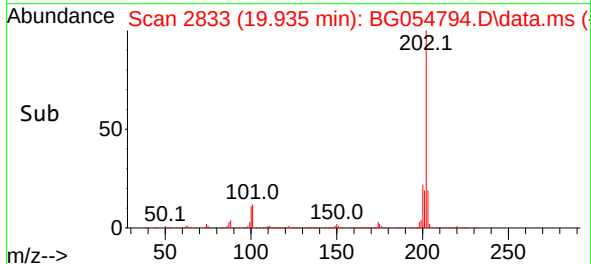
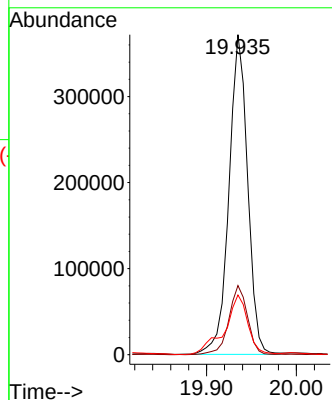
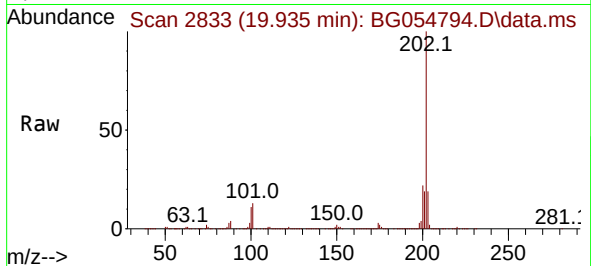




#78
 Pyrene
 Concen: 27.401 ng
 RT: 19.935 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01

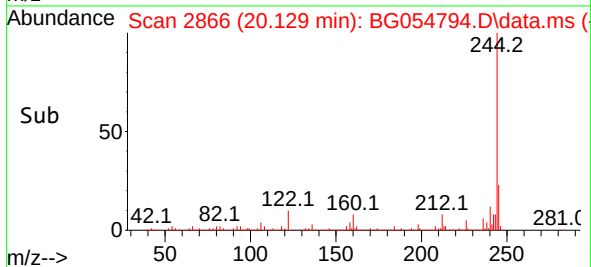
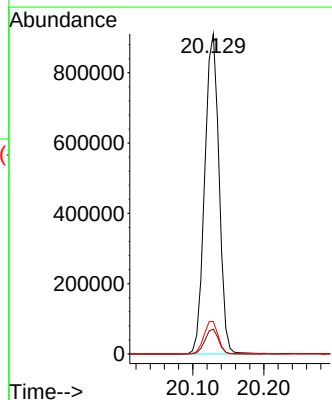
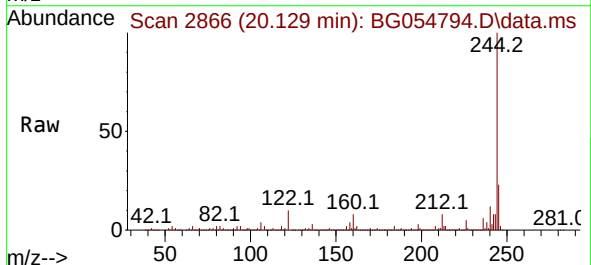
Instrument :
 BNA_G
 ClientSampleId :
 B

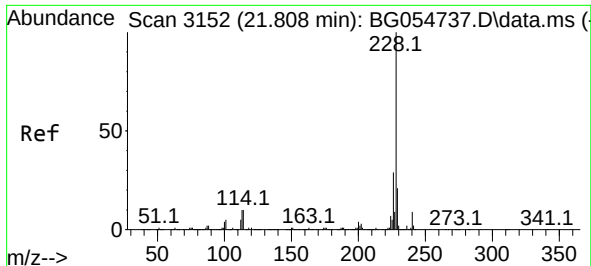
Tgt Ion:202 Resp: 535566
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.8 26.6
 203 18.6 14.6 21.8



#79
 Terphenyl-d14
 Concen: 90.311 ng
 RT: 20.129 min Scan# 2866
 Delta R.T. -0.005 min
 Lab File: BG054794.D
 Acq: 30 Aug 2022 18:01

Tgt Ion:244 Resp: 1277615
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.2 9.0 13.6

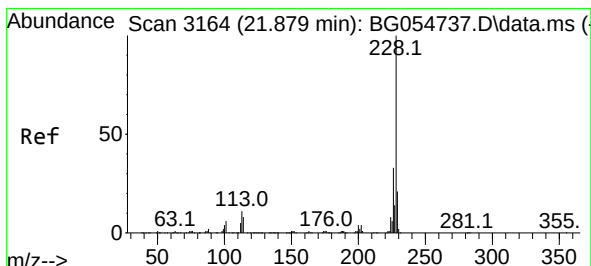
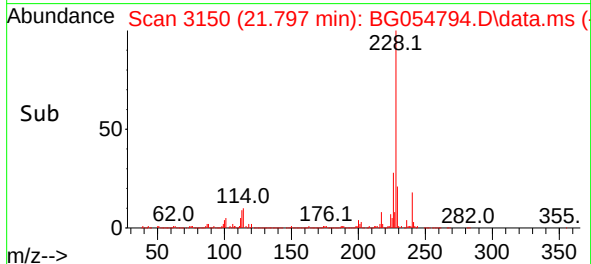
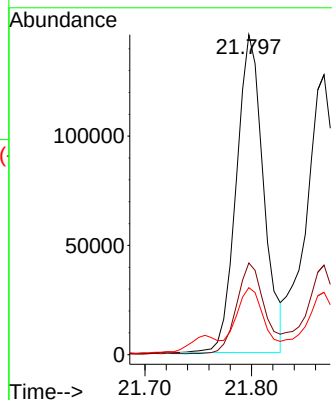
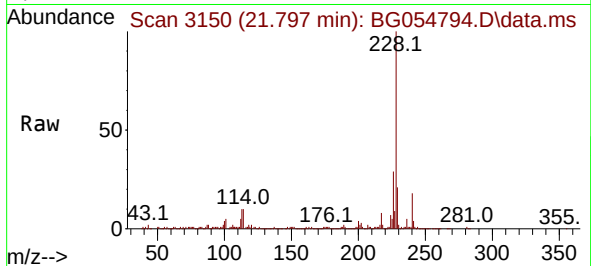




#81
Benzo(a)anthracene
Concen: 13.608 ng
RT: 21.797 min Scan# 3152
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

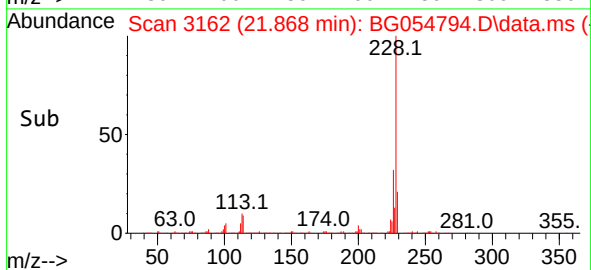
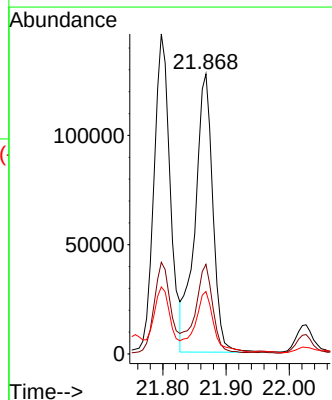
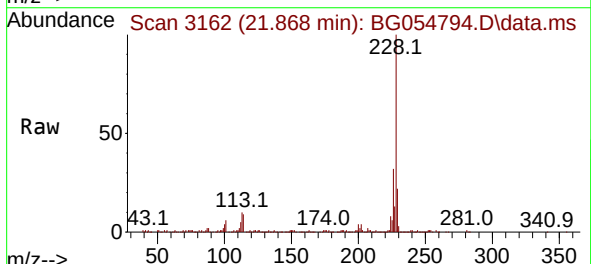
Instrument :
BNA_G
ClientSampleId :
B

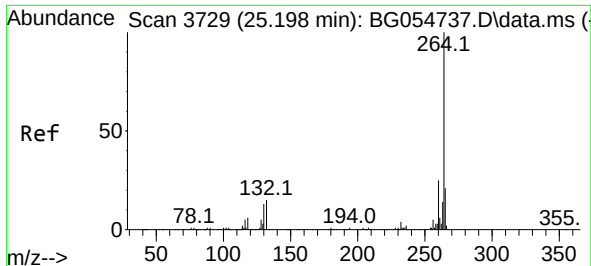
Tgt Ion:228 Resp: 258629
Ion Ratio Lower Upper
228 100
226 28.7 23.4 35.2
229 20.9 16.5 24.7



#83
Chrysene
Concen: 13.777 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:228 Resp: 250362
Ion Ratio Lower Upper
228 100
226 32.0 25.5 38.3
229 22.3 16.8 25.2

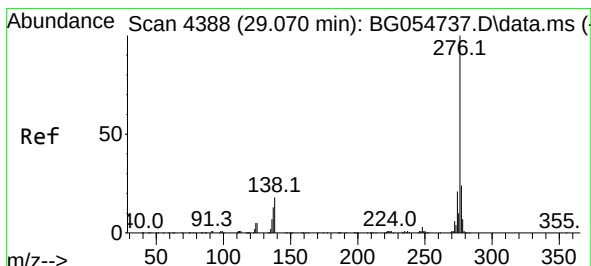
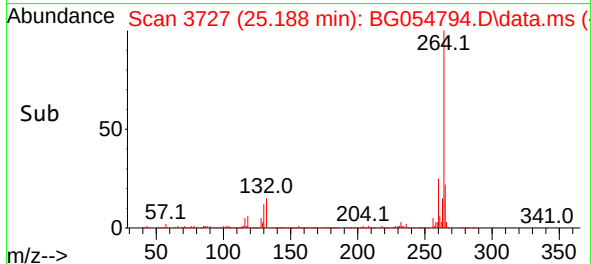
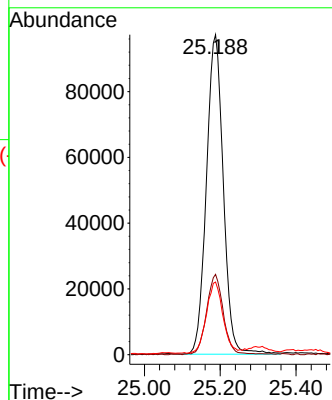
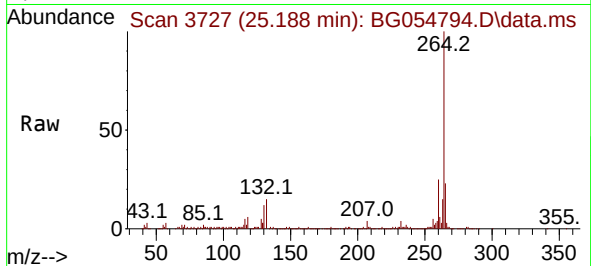




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.188 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

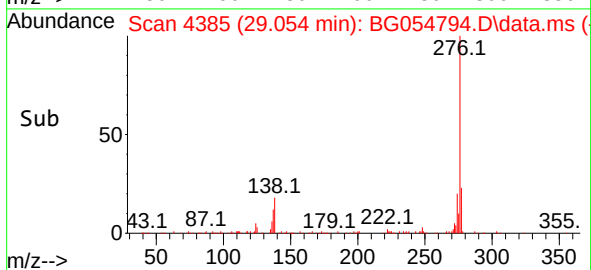
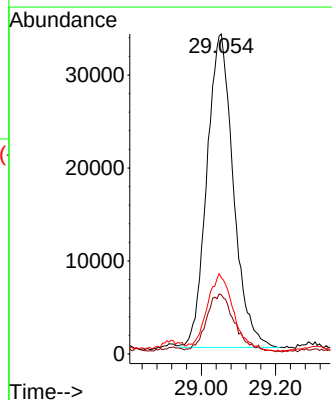
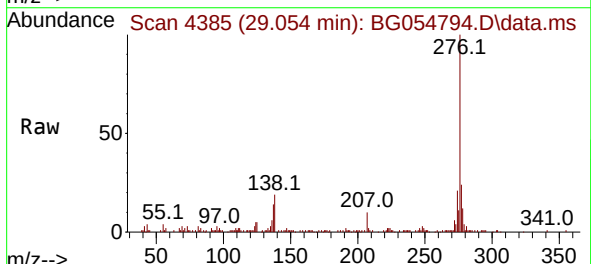
Instrument :
BNA_G
ClientSampleId :
B

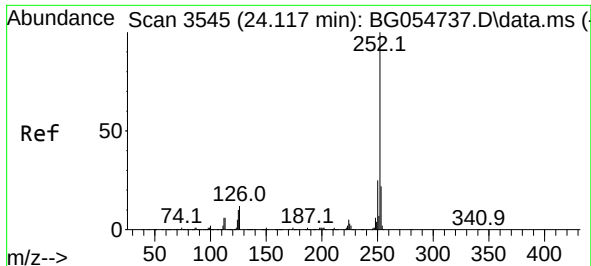
Tgt Ion:264 Resp: 299794
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.7 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.331 ng
RT: 29.054 min Scan# 4385
Delta R.T. -0.017 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:276 Resp: 166848
Ion Ratio Lower Upper
276 100
138 17.4 12.0 18.0
277 25.1 20.2 30.4

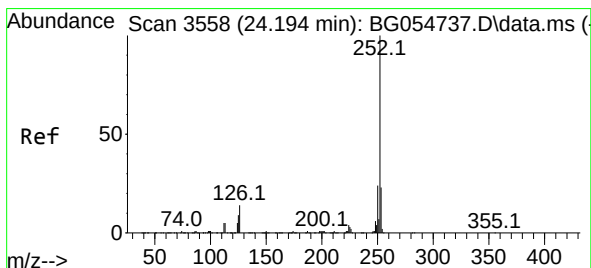
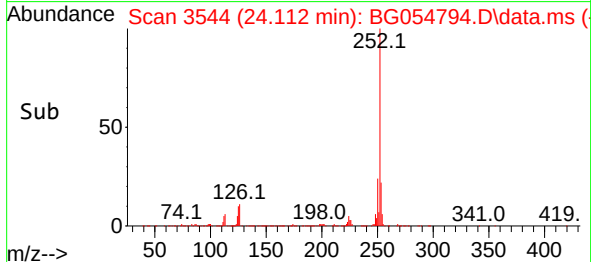
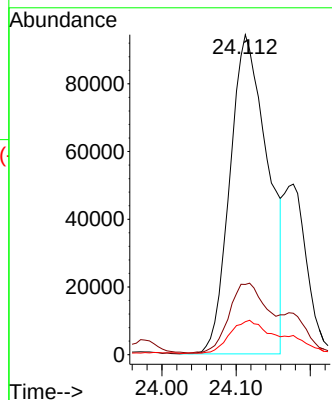
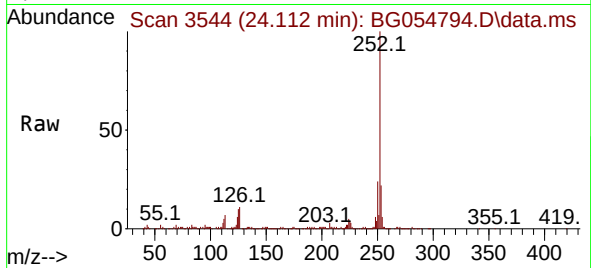




#88
Benzo(b)fluoranthene
Concen: 17.775 ng
RT: 24.112 min Scan# 3544
Delta R.T. -0.005 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

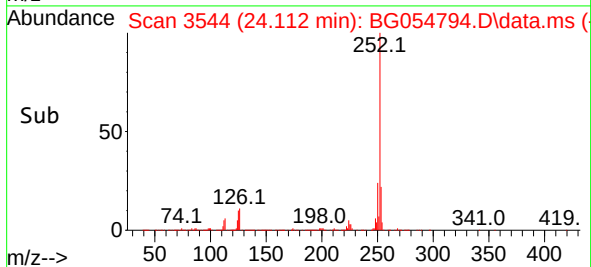
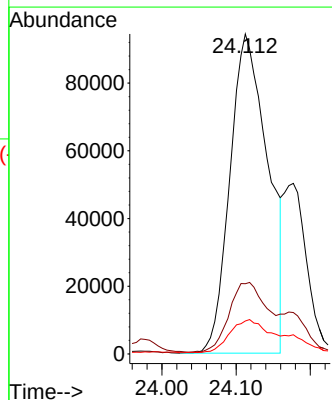
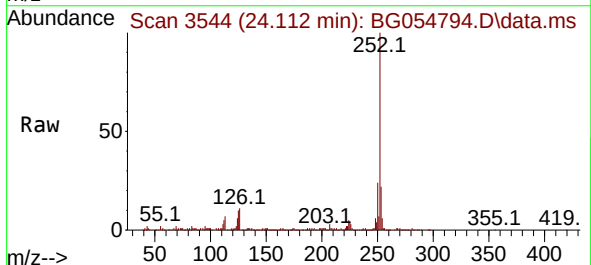
Instrument :
BNA_G
ClientSampleId :
B

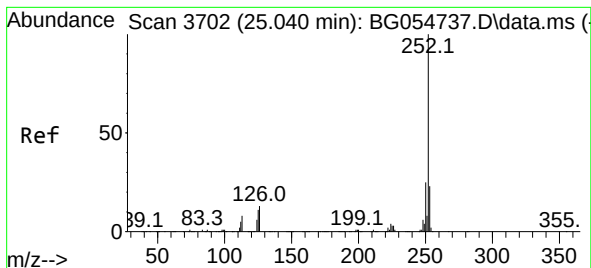
Tgt Ion:252 Resp: 334282
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 10.3 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 17.662 ng
RT: 24.112 min Scan# 3544
Delta R.T. -0.081 min
Lab File: BG054794.D
Acq: 30 Aug 2022 18:01

Tgt Ion:252 Resp: 334282
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 10.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 15.204 ng

RT: 25.023 min Scan# 3699

Delta R.T. -0.017 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

Instrument :

BNA_G

ClientSampleId :

B

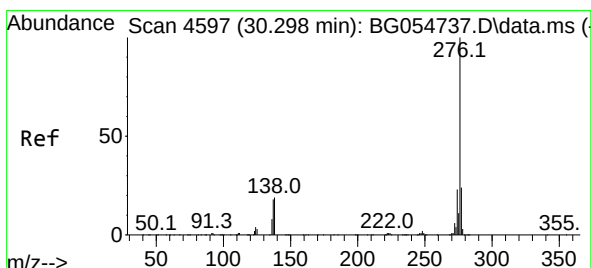
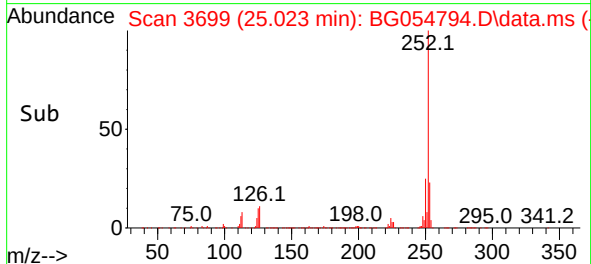
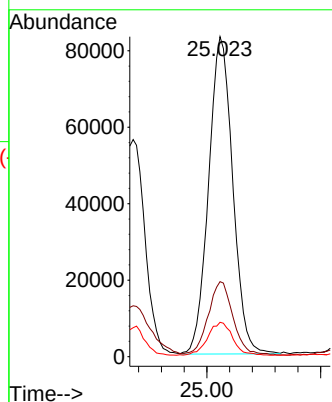
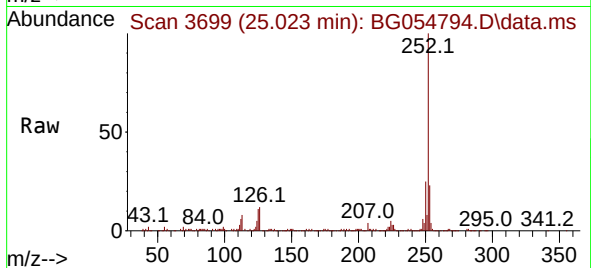
Tgt Ion:252 Resp: 244286

Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

125 10.7 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 9.035 ng

RT: 30.264 min Scan# 4591

Delta R.T. -0.034 min

Lab File: BG054794.D

Acq: 30 Aug 2022 18:01

Tgt Ion:276 Resp: 169233

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.0

138 20.5 16.6 25.0

