

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054573.D
 Acq On : 9 Aug 2022 17:11
 Operator : CG/JU
 Sample : N4064-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-18

Quant Time: Aug 09 17:54:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

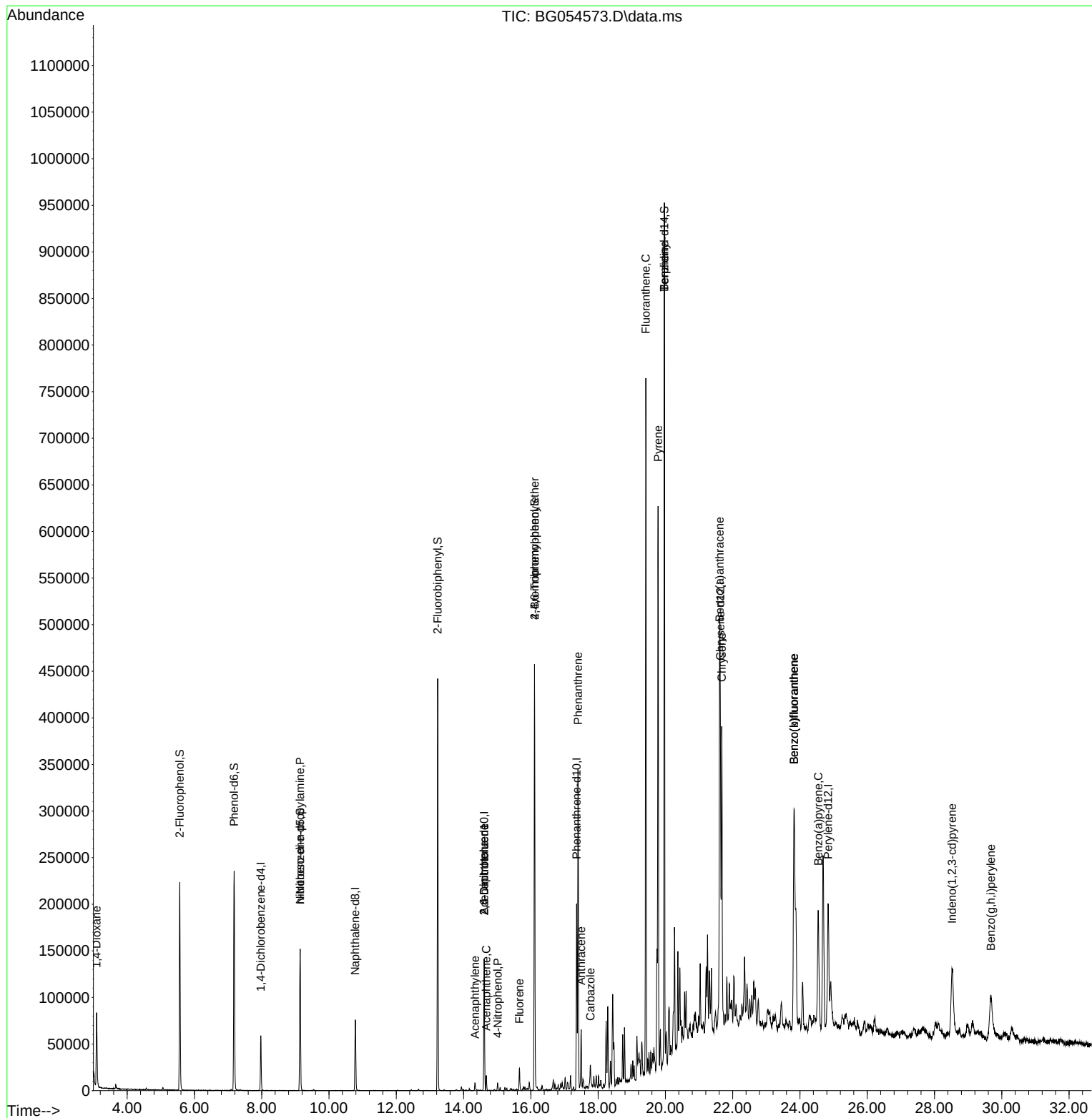
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.974	152	18828	20.000	ng	0.00
21) Naphthalene-d8	10.782	136	71353	20.000	ng	# 0.00
39) Acenaphthene-d10	14.613	164	57189	20.000	ng	0.00
64) Phenanthrene-d10	17.363	188	144960	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	159922	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	169292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	102741	113.932	ng	0.00
7) Phenol-d6	7.181	99	139508	112.902	ng	0.00
23) Nitrobenzene-d5	9.143	82	94019	71.756	ng	0.00
42) 2,4,6-Tribromophenol	16.111	330	121203	100.939	ng	0.00
45) 2-Fluorobiphenyl	13.232	172	257492	63.516	ng	0.00
79) Terphenyl-d14	19.971	244	508795	63.115	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.091	88	1050	2.927	ng	# 1
9) Benzaldehyde	7.175	77	56	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.143	70	13306	16.126	ng	# 82
49) Acenaphthylene	14.343	152	9957	2.047	ng	# 90
51) 2,6-Dinitrotoluene	14.613	165	8013	8.178	ng	# 16
52) Acenaphthene	14.678	154	6909	2.345	ng	93
56) 4-Nitrophenol	15.012	139	1745	3.192	ng	# 1
57) 2,4-Dinitrotoluene	14.613	165	8013	5.705	ng	# 21
58) Fluorene	15.665	166	13653	3.168	ng	94
67) 4-Bromophenyl-phenylether	16.111	248	7418	3.644	ng	# 1
71) Phenanthrene	17.404	178	239744	33.210	ng	99
72) Anthracene	17.498	178	47376	6.688	ng	96
73) Carbazole	17.774	167	18862	3.234	ng	# 96
75) Fluoranthene	19.419	202	507706	51.593	ng	96
77) Benzidine	19.971	184	6638	2.292	ng	# 91
78) Pyrene	19.783	202	439612	47.908	ng	98
81) Benzo(a)anthracene	21.611	228	275890	27.177	ng	99
83) Chrysene	21.675	228	259696	27.077	ng	95
87) Indeno(1,2,3-cd)pyrene	28.520	276	149737	11.627	ng	94
88) Benzo(b)fluoranthene	23.826	252	342768	34.237	ng	# 98
89) Benzo(k)fluoranthene	23.826	252	342768	34.401	ng	# 99
90) Benzo(a)pyrene	24.543	252	159448	18.649	ng	99
92) Benzo(g,h,i)perylene	29.678	276	132786	12.704	ng	# 89

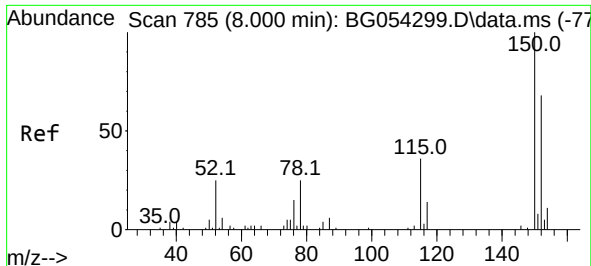
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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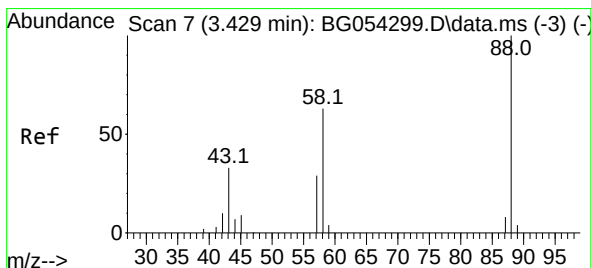
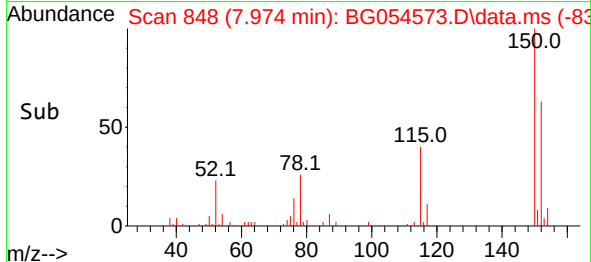
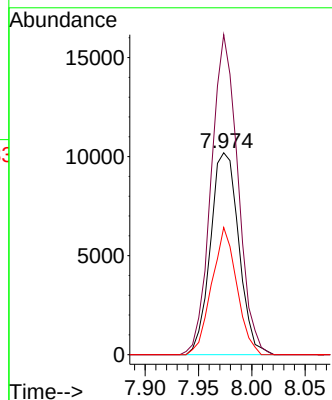
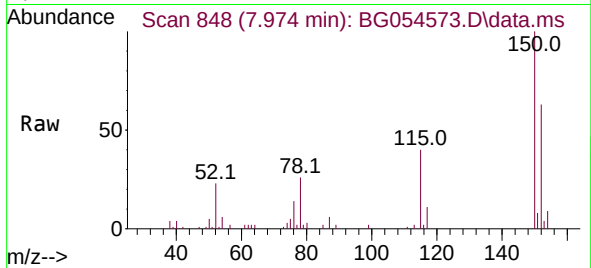




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.974 min Scan# 84
 Delta R.T. 0.002 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

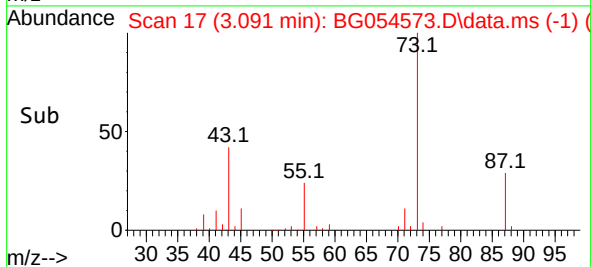
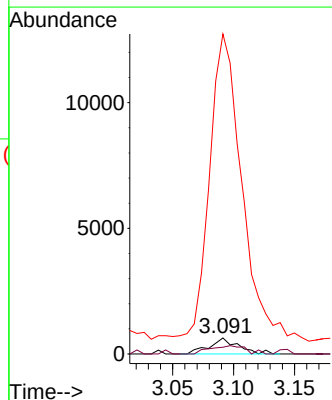
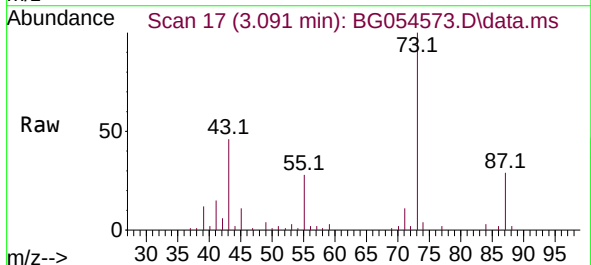
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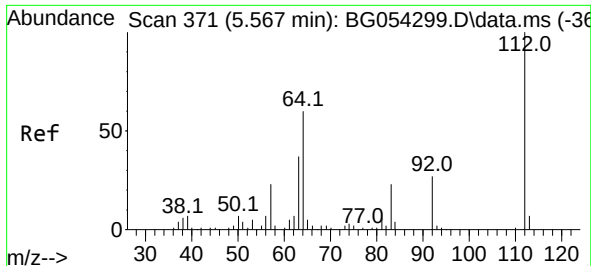
Tgt Ion:152 Resp: 18828
 Ion Ratio Lower Upper
 152 100
 150 158.5 131.6 197.4
 115 63.0 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.927 ng
 RT: 3.091 min Scan# 17
 Delta R.T. -0.304 min
 Lab File: BG054573.D
 Acq: 9 Aug 2022 17:11

Tgt Ion: 88 Resp: 1050
 Ion Ratio Lower Upper
 88 100
 58 65.0 59.2 88.8
 43 2164.4 24.3 36.5#

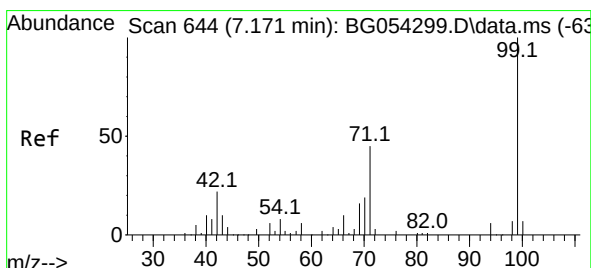
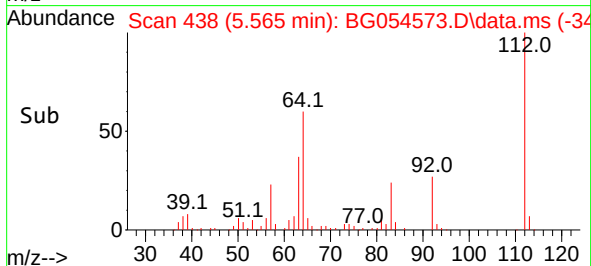
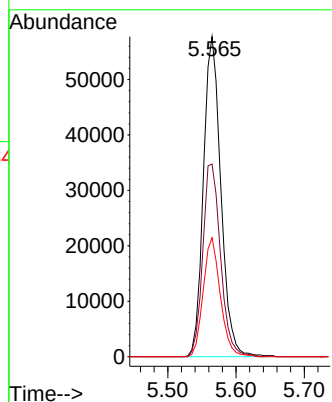
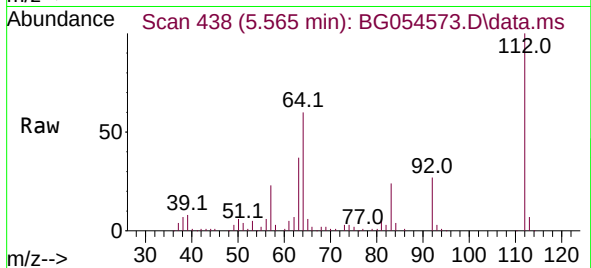




#5
2-Fluorophenol
Concen: 113.932 ng
RT: 5.565 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

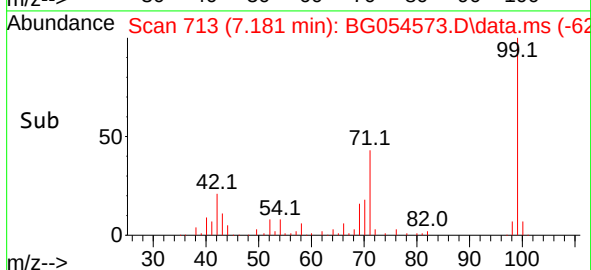
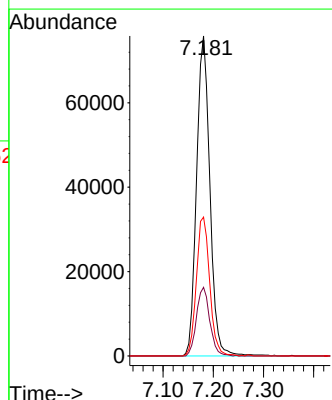
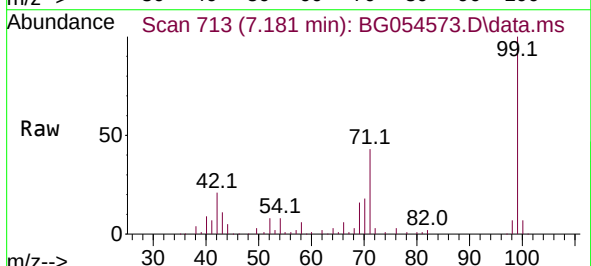
Instrument :
BNA_G
ClientSampleId :
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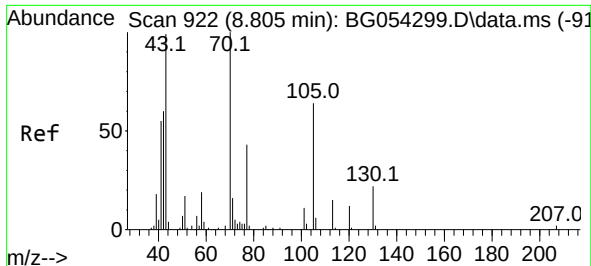
Tgt Ion:112 Resp: 102741
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 37.2 30.4 45.6



#7
Phenol-d6
Concen: 112.902 ng
RT: 7.181 min Scan# 713
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion: 99 Resp: 139508
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 43.4 33.8 50.8

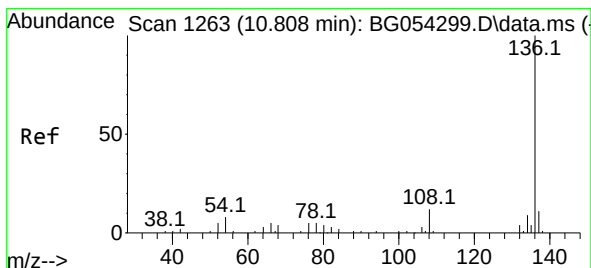
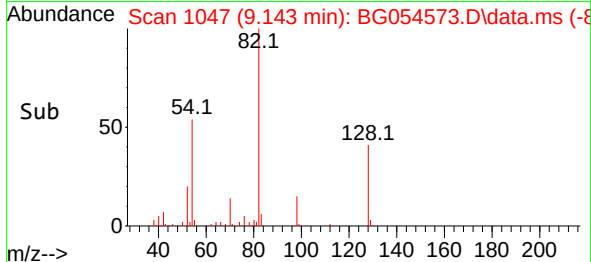
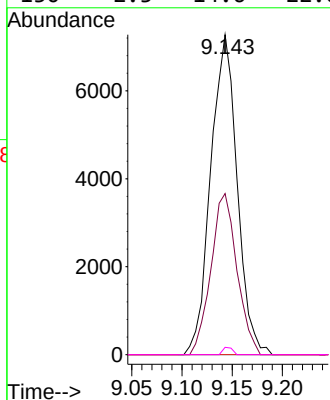
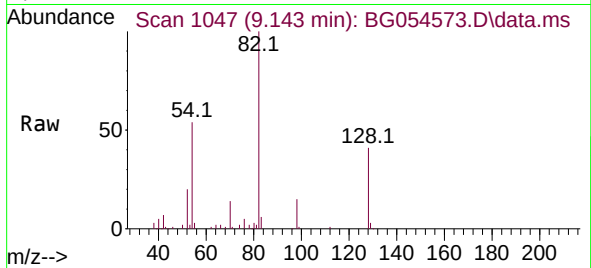




#19
n-Nitroso-di-n-propylamine
Concen: 16.126 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.360 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

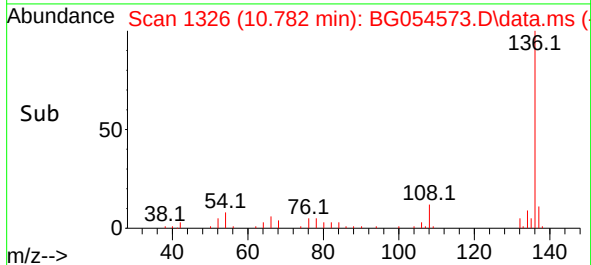
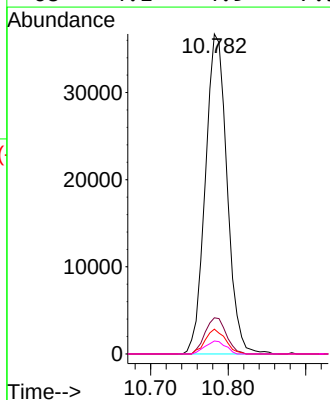
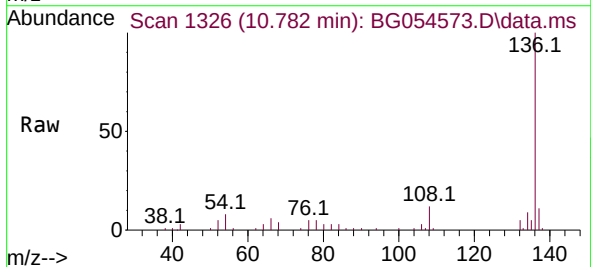
Instrument :
BNA_G
ClientSampleId :
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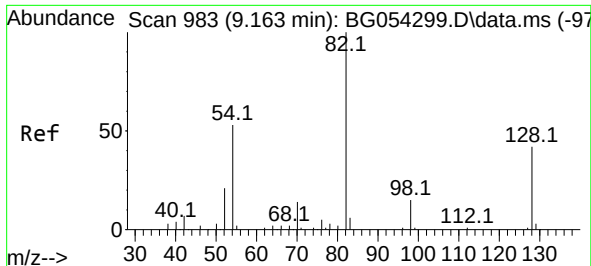
Tgt Ion: 70	Resp: 13306
Ion Ratio	Lower Upper
70 100	
42 50.4	47.3 70.9
101 0.0	7.0 10.4#
130 2.3	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.782 min Scan# 1326
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion: 136	Resp: 71353
Ion Ratio	Lower Upper
136 100	
137 11.3	8.5 12.7
54 7.7	7.4 11.2
68 4.1	4.9 7.3#

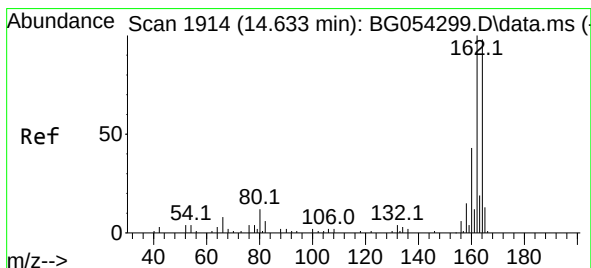
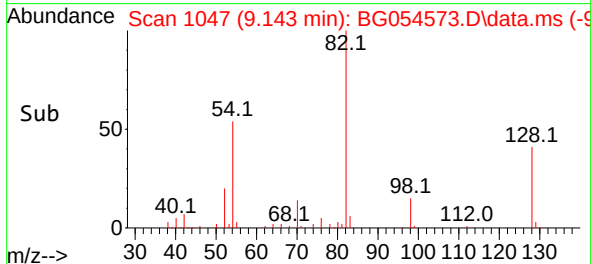
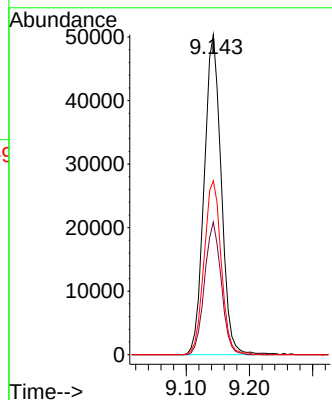
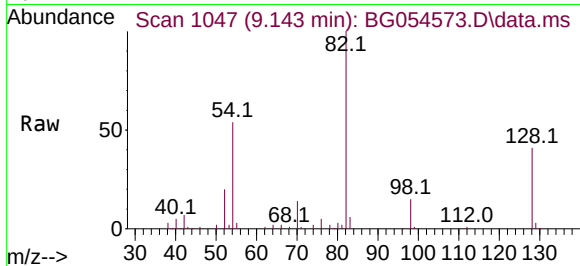




#23
Nitrobenzene-d5
Concen: 71.756 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

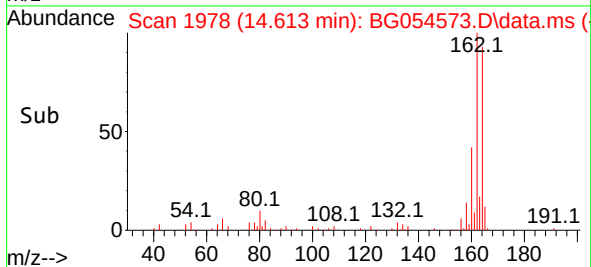
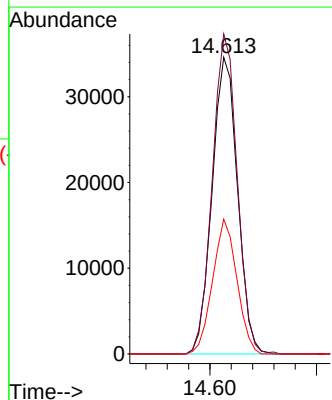
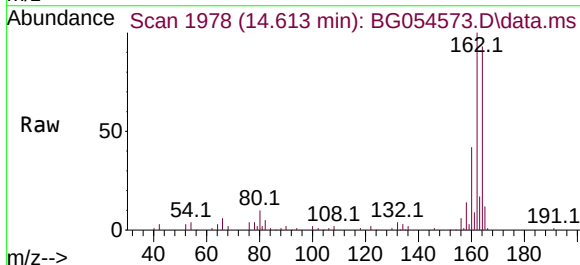
Instrument :
BNA_G
ClientSampleId :
SB-18

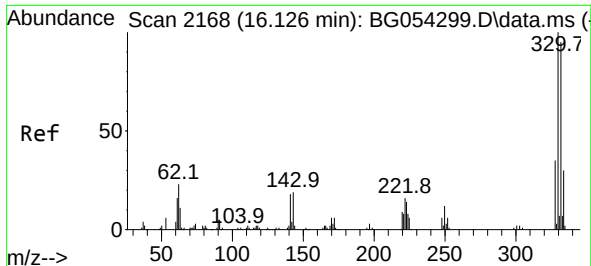
Tgt Ion: 82 Resp: 94019
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 54.4 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.613 min Scan# 1978
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:164 Resp: 57189
Ion Ratio Lower Upper
164 100
162 107.9 82.3 123.5
160 45.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 100.939 ng

RT: 16.111 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

Instrument :

BNA_G

ClientSampleId :

SB-18

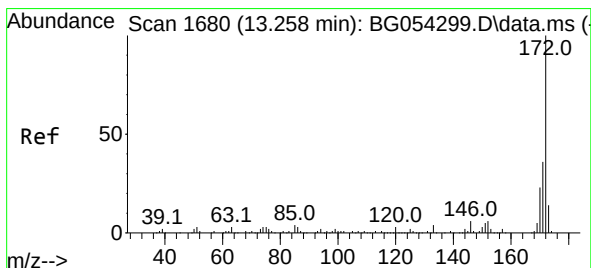
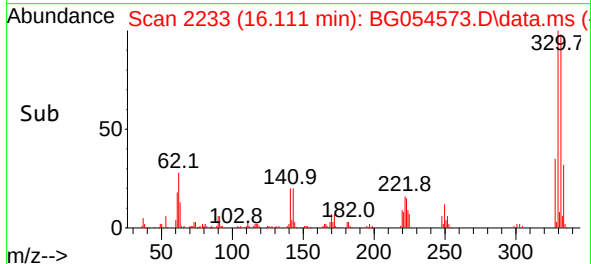
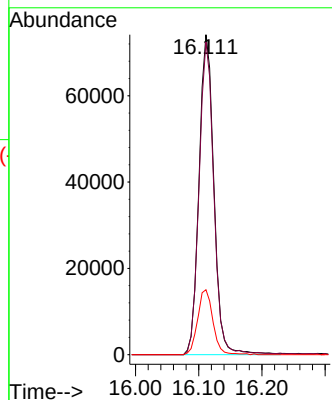
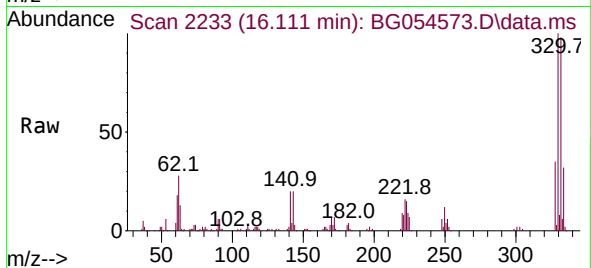
Tgt Ion:330 Resp: 121203

Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

141 20.9 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 63.516 ng

RT: 13.232 min Scan# 1743

Delta R.T. -0.005 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

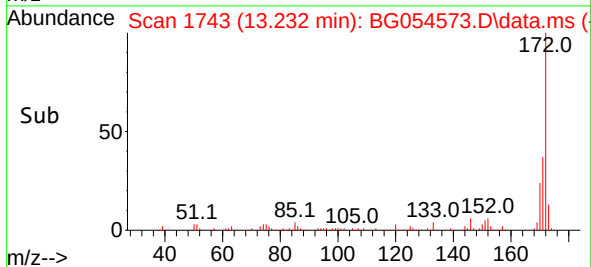
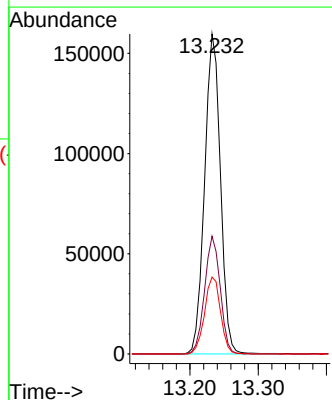
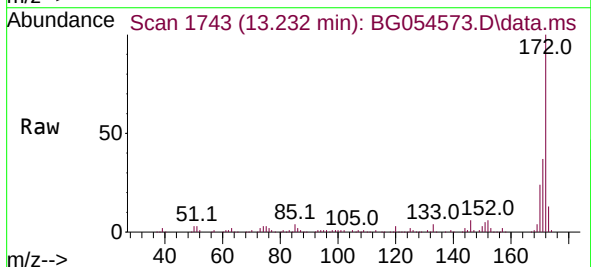
Tgt Ion:172 Resp: 257492

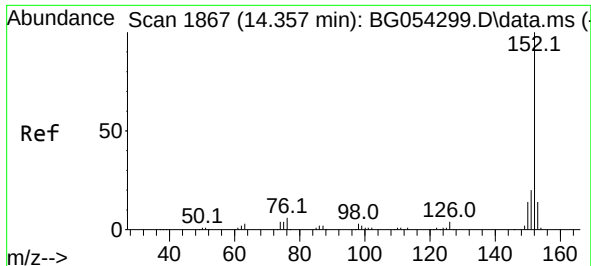
Ion Ratio Lower Upper

172 100

171 36.8 28.5 42.7

170 24.0 18.9 28.3

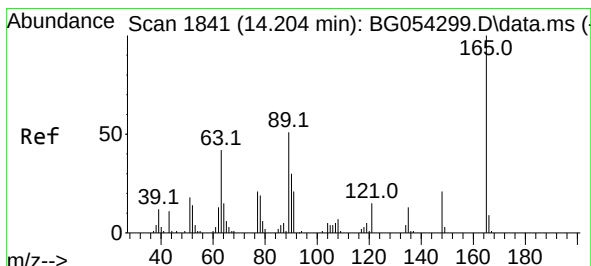
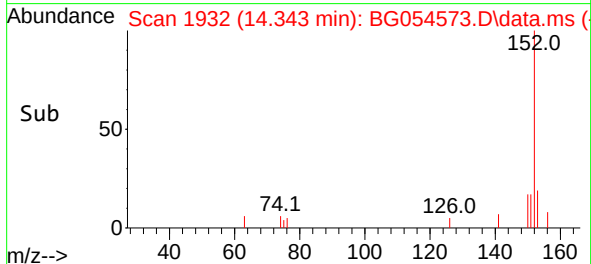
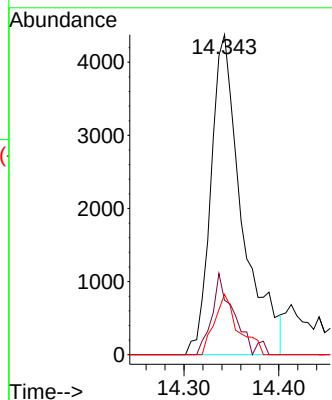
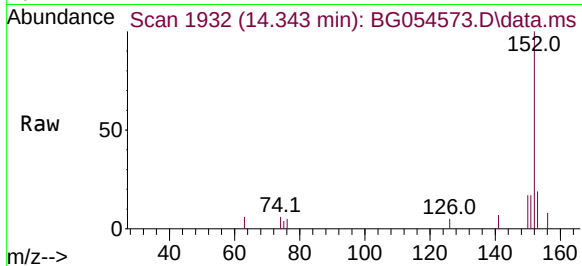




#49
Acenaphthylene
Concen: 2.047 ng
RT: 14.343 min Scan# 1932
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

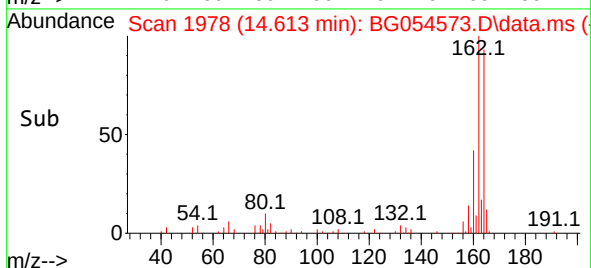
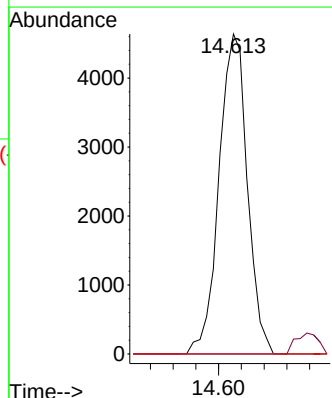
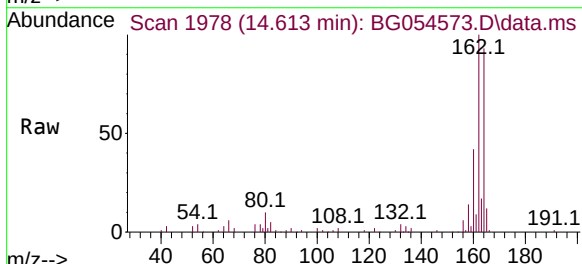
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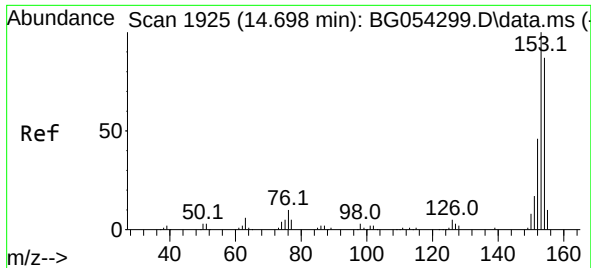
Tgt Ion:152 Resp: 9957
Ion Ratio Lower Upper
152 100
151 17.0 16.4 24.6
153 18.9 10.8 16.2#



#51
2,6-Dinitrotoluene
Concen: 8.178 ng
RT: 14.613 min Scan# 1978
Delta R.T. 0.419 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:165 Resp: 8013
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

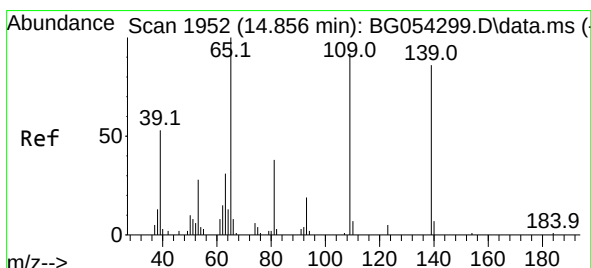
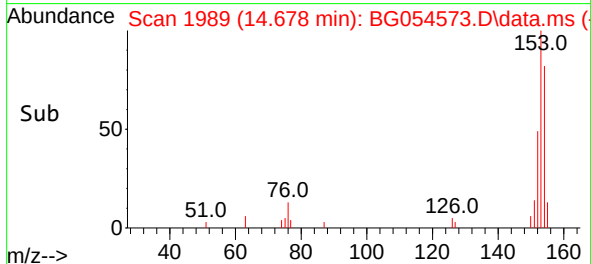
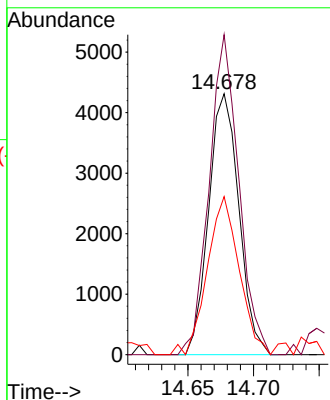
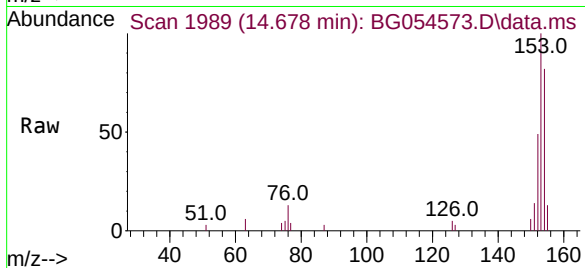




#52
Acenaphthene
Concen: 2.345 ng
RT: 14.678 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

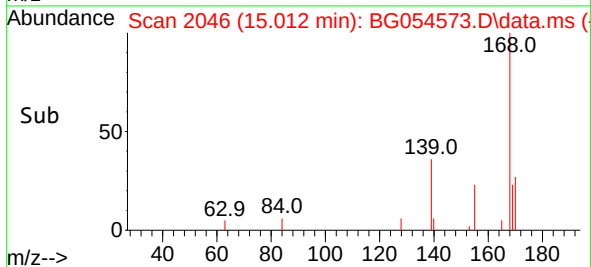
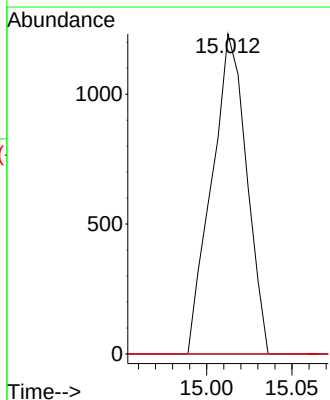
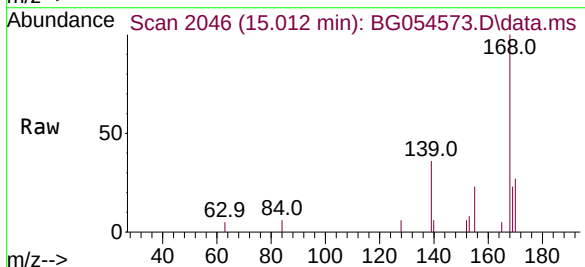
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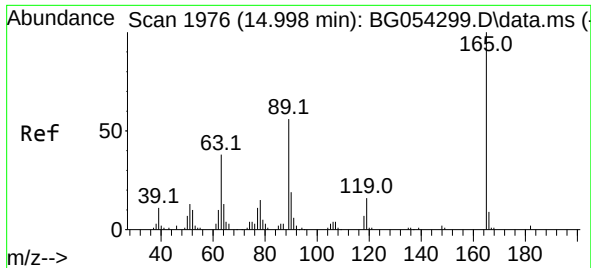
Tgt Ion:154 Resp: 6909
Ion Ratio Lower Upper
154 100
153 122.7 92.7 139.1
152 60.6 42.6 64.0



#56
4-Nitrophenol
Concen: 3.192 ng
RT: 15.012 min Scan# 2046
Delta R.T. 0.107 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:139 Resp: 1745
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

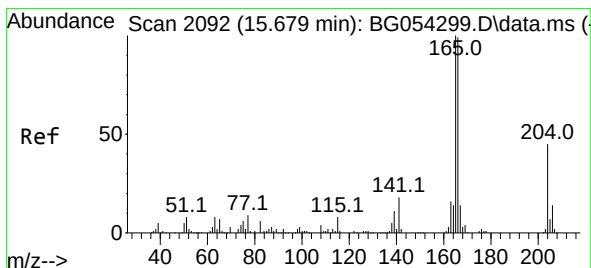
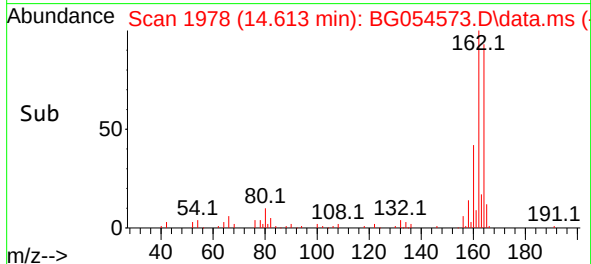
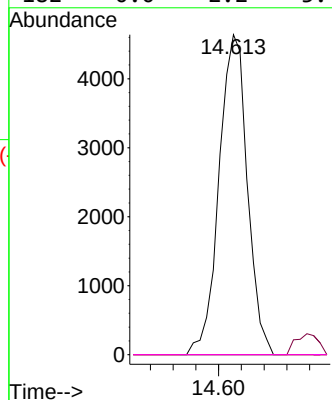
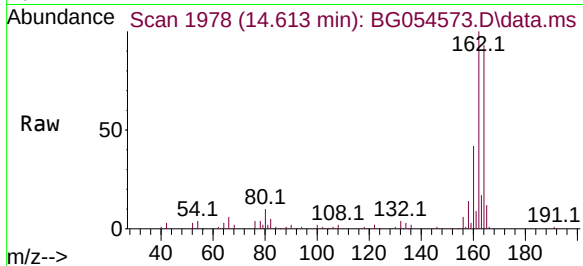




#57
2,4-Dinitrotoluene
Concen: 5.705 ng
RT: 14.613 min Scan# 11
Delta R.T. -0.381 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

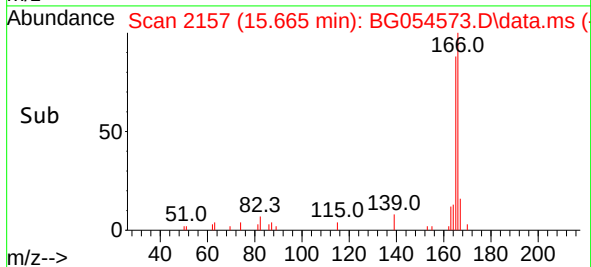
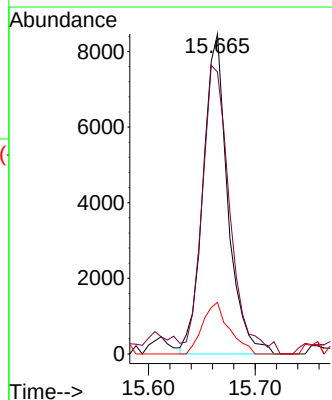
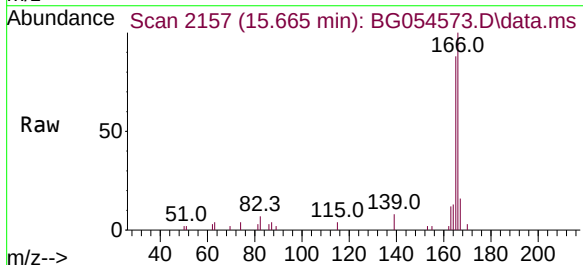
Instrument :
BNA_G
ClientSampleId :
SB-18

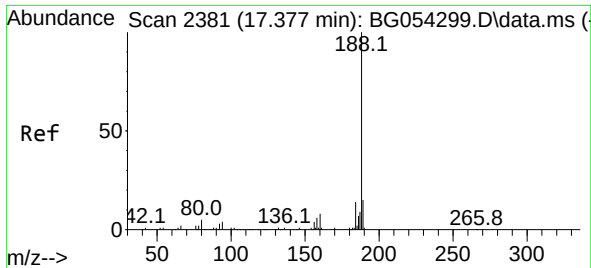
Tgt Ion:165	Resp:	8013
Ion	Ratio	Lower Upper
165	100	
63	0.0	34.6 52.0#
89	0.0	60.3 90.5#
182	0.0	2.2 3.4#



#58
Fluorene
Concen: 3.168 ng
RT: 15.665 min Scan# 2157
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:166	Resp:	13653
Ion	Ratio	Lower Upper
166	100	
165	88.1	75.0 112.6
167	16.2	10.8 16.2

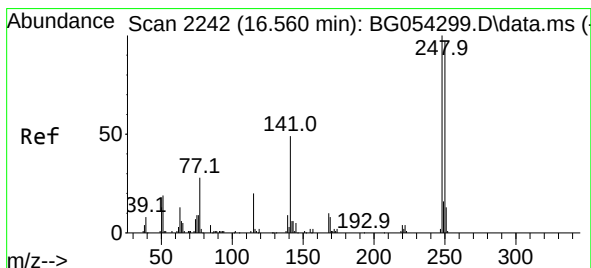
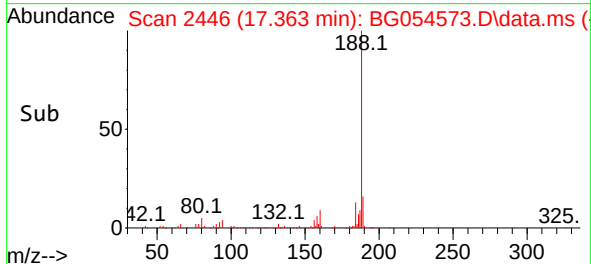
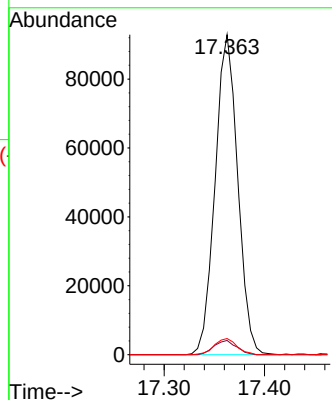
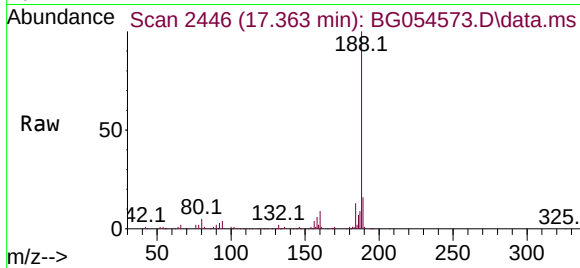




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.363 min Scan# 2446
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

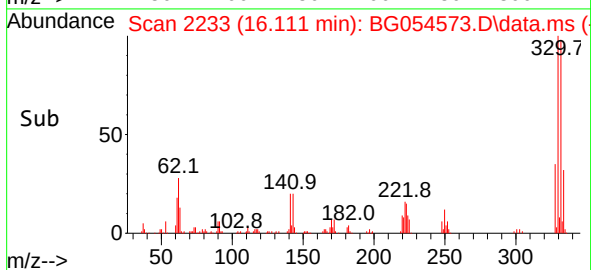
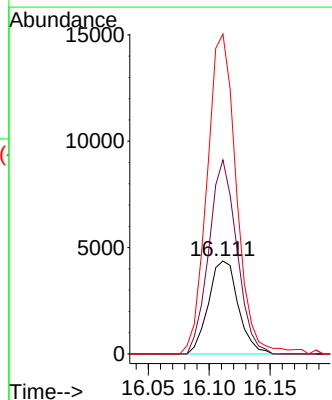
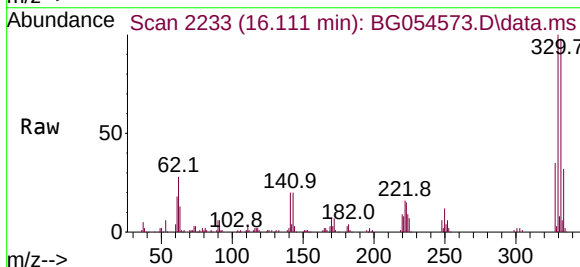
Instrument :
BNA_G
ClientSampleId :
SB-18

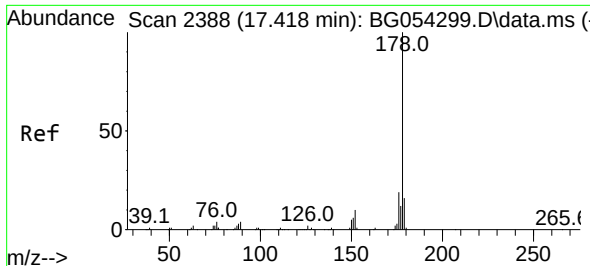
Tgt Ion:188 Resp: 144960
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.1 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.644 ng
RT: 16.111 min Scan# 2233
Delta R.T. -0.433 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:248 Resp: 7418
Ion Ratio Lower Upper
248 100
250 270.5 75.2 112.8#
141 344.3 50.0 75.0#

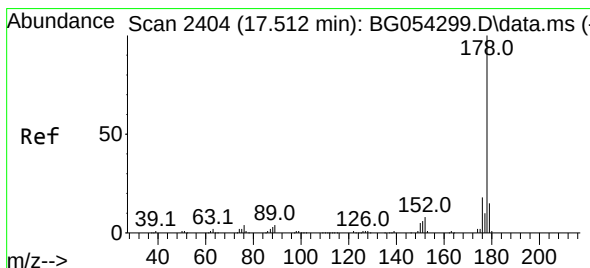
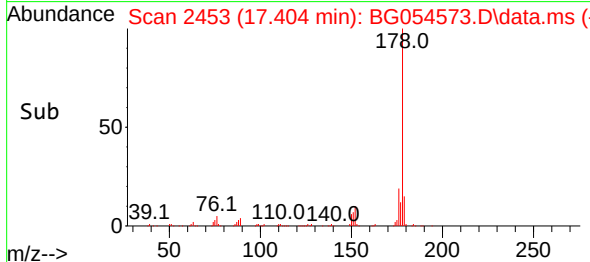
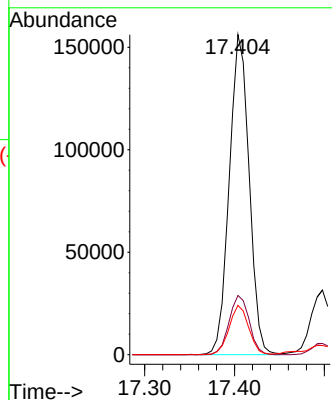
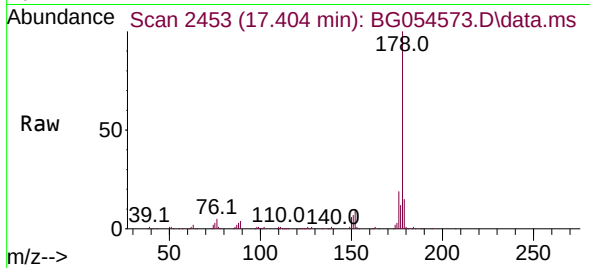




#71
Phenanthrene
Concen: 33.210 ng
RT: 17.404 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

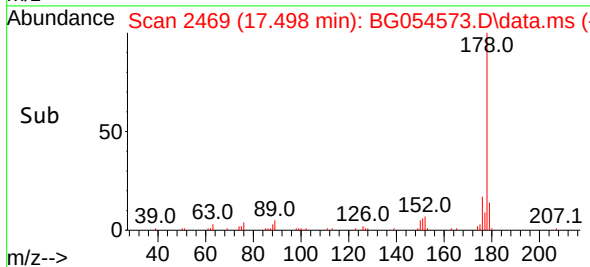
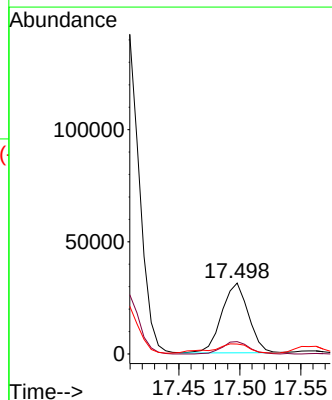
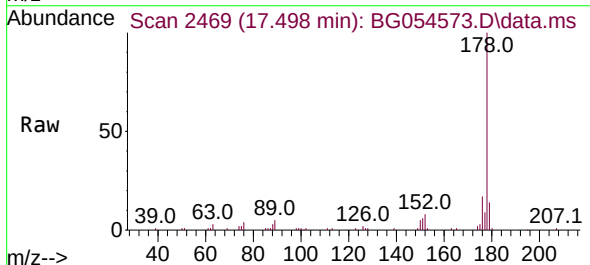
Instrument :
BNA_G
ClientSampleId :
SB-18

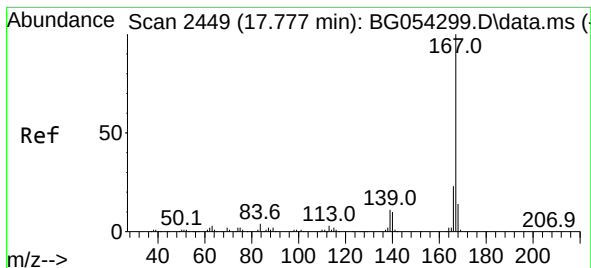
Tgt Ion:178 Resp: 239744
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.4 12.1 18.1



#72
Anthracene
Concen: 6.688 ng
RT: 17.498 min Scan# 2469
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:178 Resp: 47376
Ion Ratio Lower Upper
178 100
176 17.4 15.2 22.8
179 14.0 13.0 19.4





#73

Carbazole

Concen: 3.234 ng

RT: 17.774 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

Instrument :

BNA_G

ClientSampleId :

SB-18

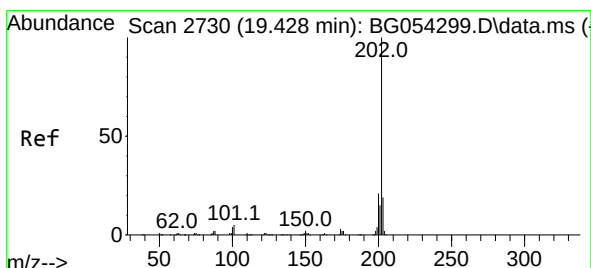
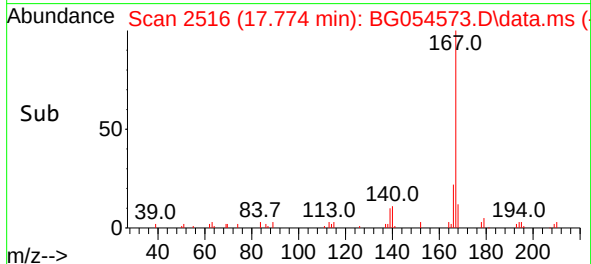
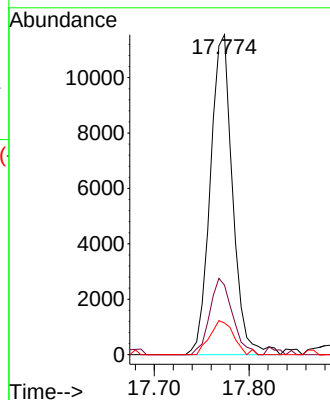
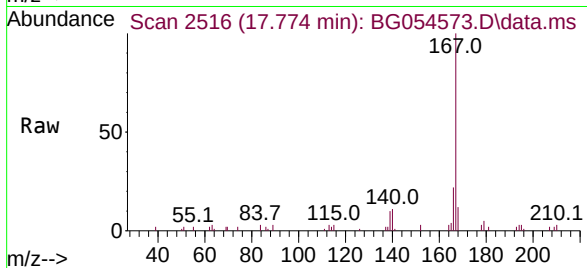
Tgt Ion:167 Resp: 18862

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.2

139 9.9 10.1 15.1#



#75

Fluoranthene

Concen: 51.593 ng

RT: 19.419 min Scan# 2796

Delta R.T. 0.001 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

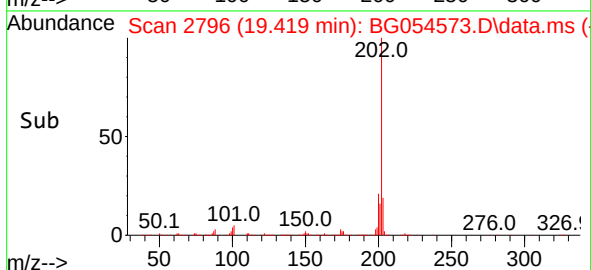
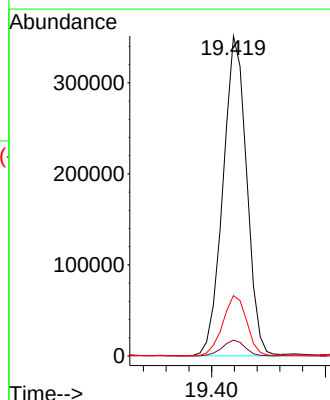
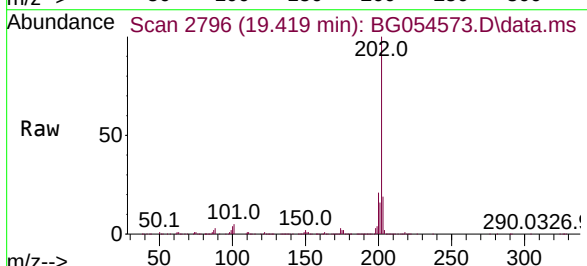
Tgt Ion:202 Resp: 507706

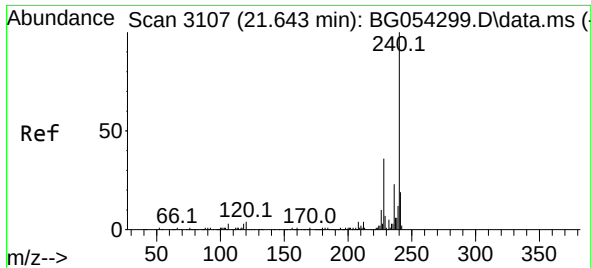
Ion Ratio Lower Upper

202 100

101 5.0 0.0 26.9

203 18.8 0.0 37.2

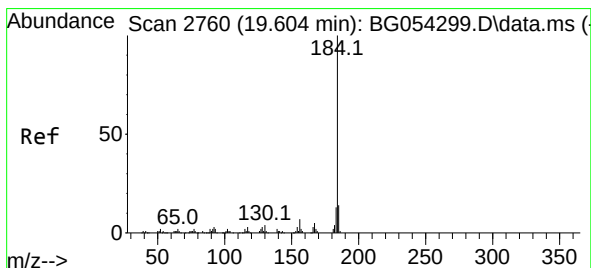
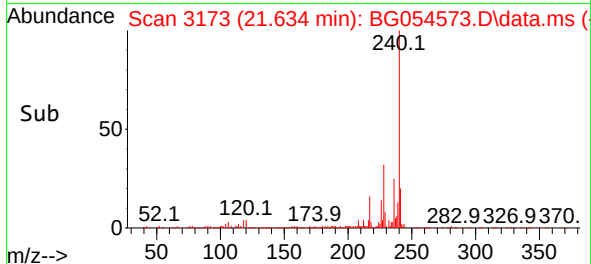
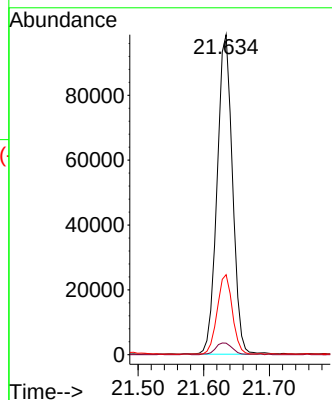
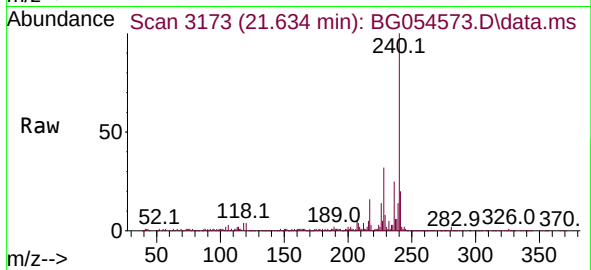




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

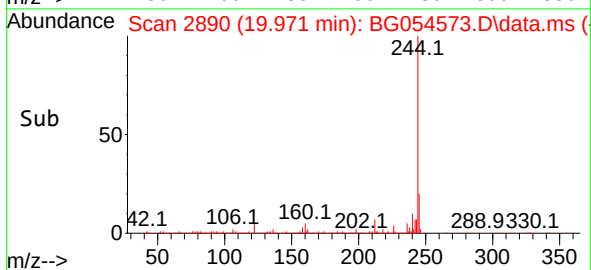
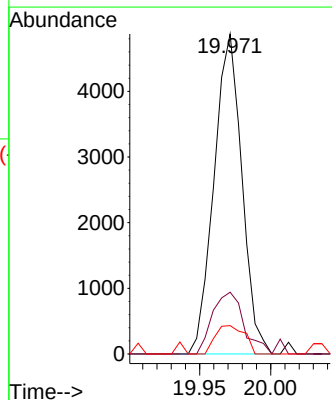
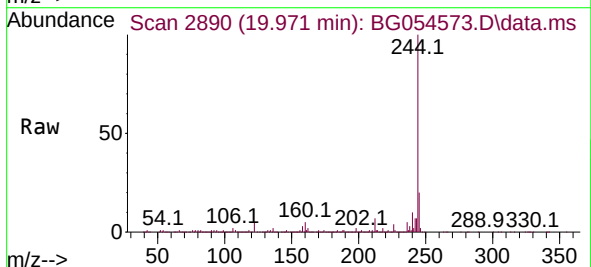
Instrument :
BNA_G
ClientSampleId :
SB-18

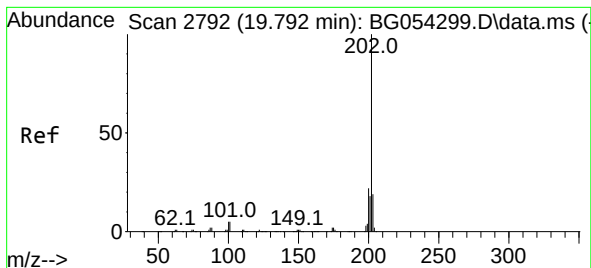
Tgt Ion:240 Resp: 159922
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.0 20.2 30.4



#77
Benzidine
Concen: 2.292 ng
RT: 19.971 min Scan# 2890
Delta R.T. 0.377 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:184 Resp: 6638
Ion Ratio Lower Upper
184 100
185 19.3 11.8 17.6#
183 8.8 8.9 13.3#





#78

Pyrene

Concen: 47.908 ng

RT: 19.783 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

Instrument :

BNA_G

ClientSampleId :

SB-18

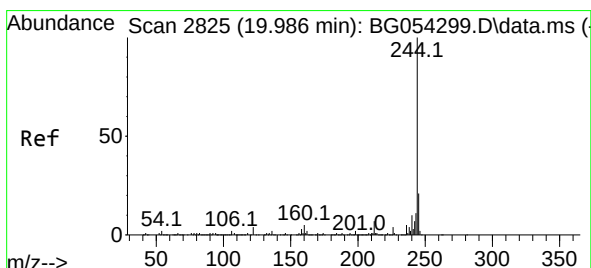
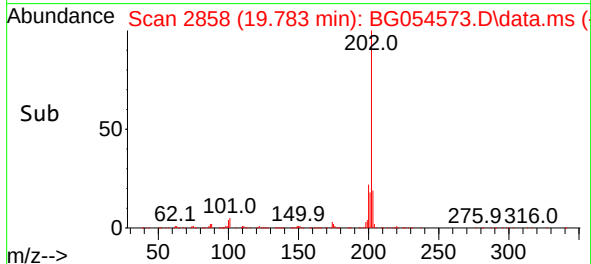
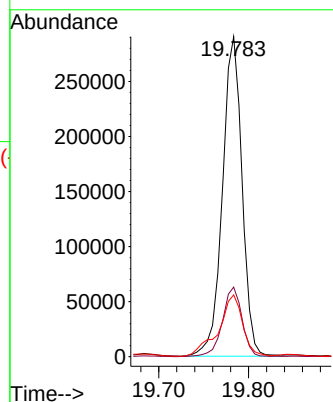
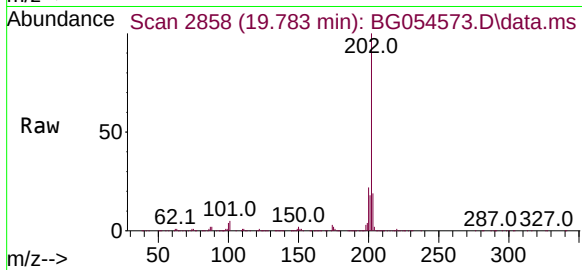
Tgt Ion:202 Resp: 439612

Ion Ratio Lower Upper

202 100

200 21.8 16.6 24.8

203 19.3 14.6 21.8



#79

Terphenyl-d14

Concen: 63.115 ng

RT: 19.971 min Scan# 2890

Delta R.T. 0.001 min

Lab File: BG054573.D

Acq: 9 Aug 2022 17:11

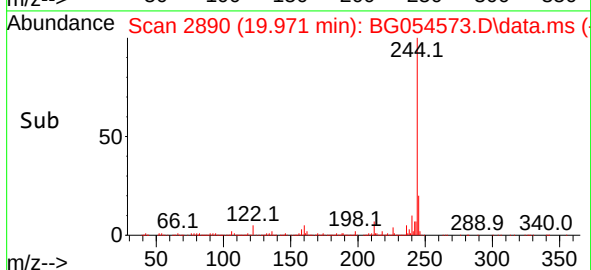
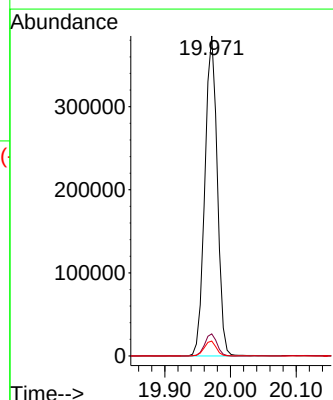
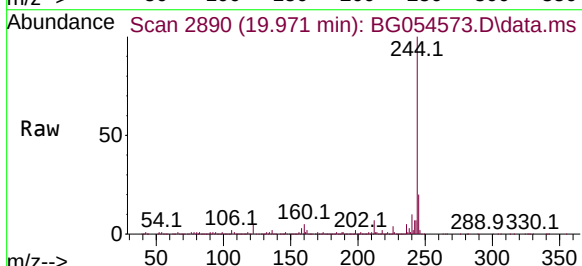
Tgt Ion:244 Resp: 508795

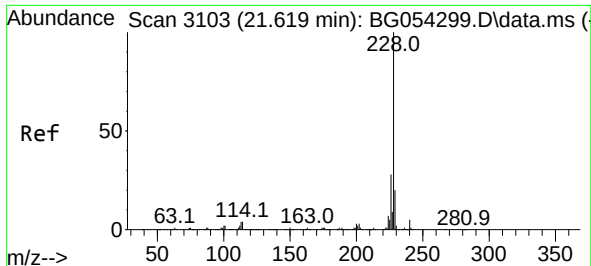
Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 4.6 5.0 7.4#

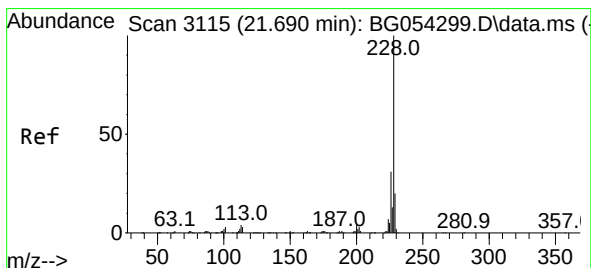
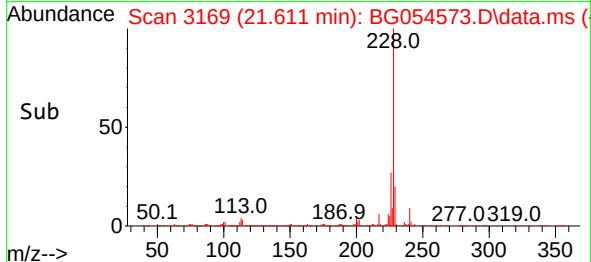
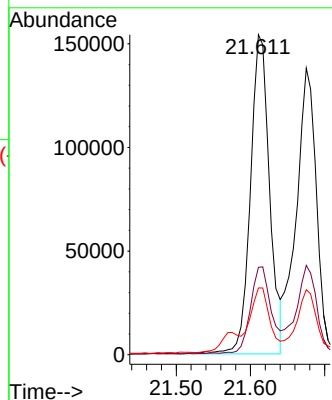
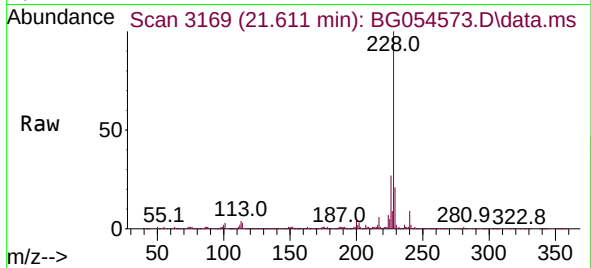




#81
Benzo(a)anthracene
Concen: 27.177 ng
RT: 21.611 min Scan# 3103
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

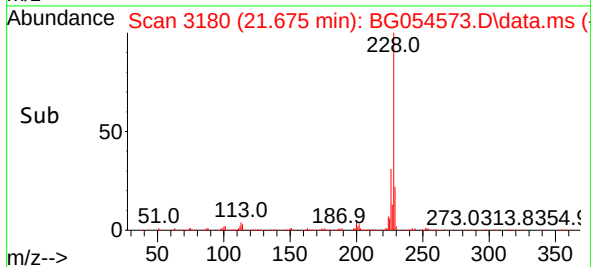
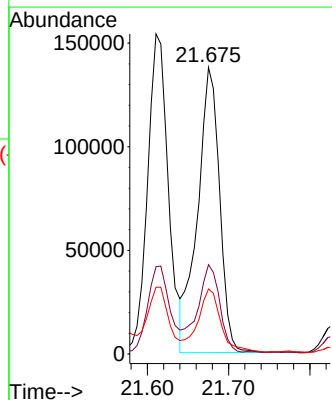
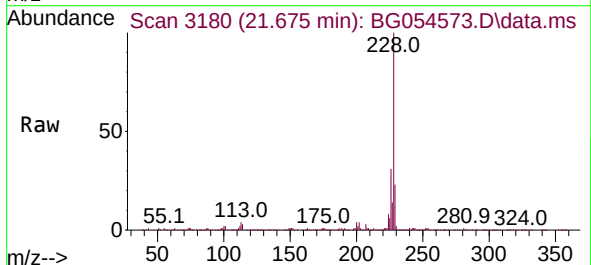
Instrument :
BNA_G
ClientSampleId :
SB-18

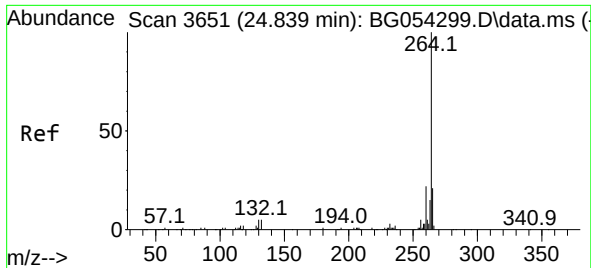
Tgt Ion:228 Resp: 275890
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.9 16.2 24.2



#83
Chrysene
Concen: 27.077 ng
RT: 21.675 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:228 Resp: 259696
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 22.7 15.5 23.3

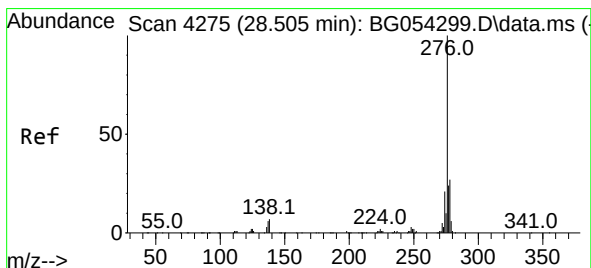
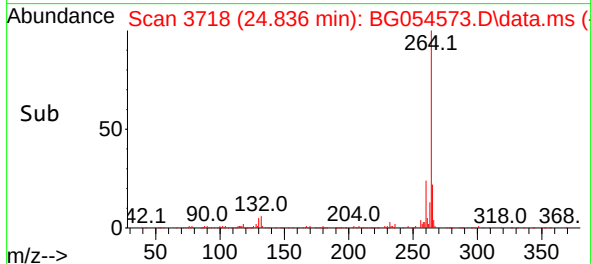
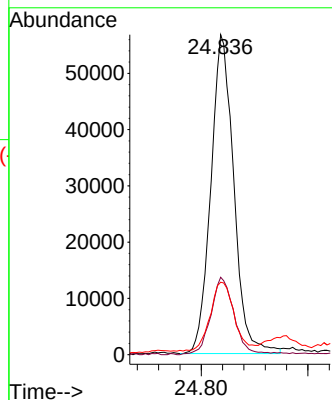
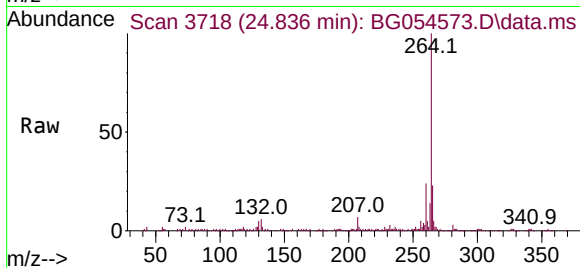




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.836 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

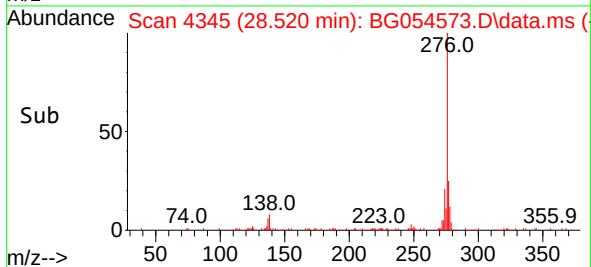
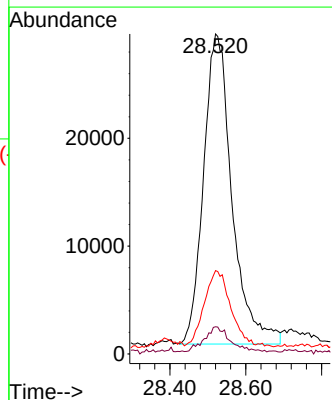
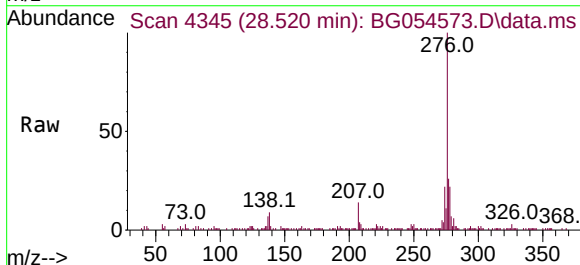
Instrument :
BNA_G
ClientSampleId :
SB-18

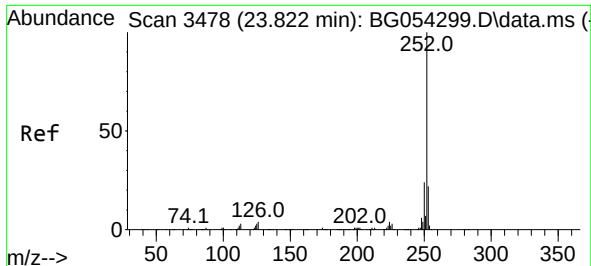
Tgt Ion:264 Resp: 169292
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.6 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.627 ng
RT: 28.520 min Scan# 4345
Delta R.T. -0.010 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:276 Resp: 149737
Ion Ratio Lower Upper
276 100
138 7.3 5.0 7.4
277 22.2 20.3 30.5

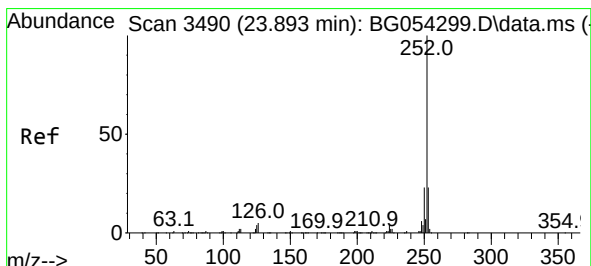
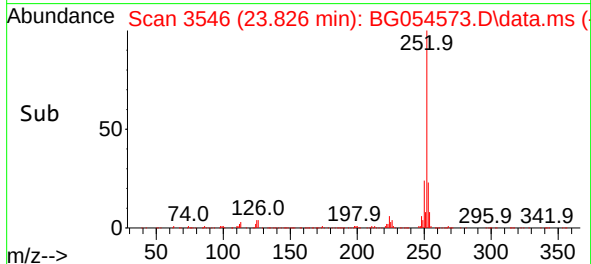
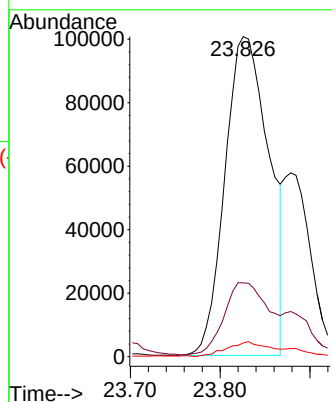
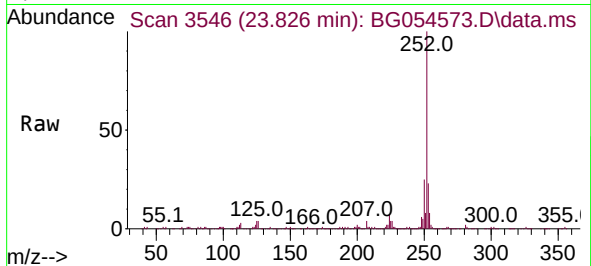




#88
Benzo(b)fluoranthene
Concen: 34.237 ng
RT: 23.826 min Scan# 3546
Delta R.T. 0.007 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

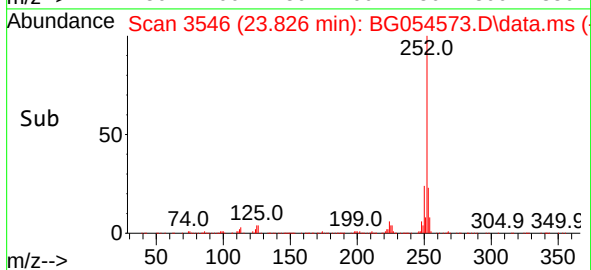
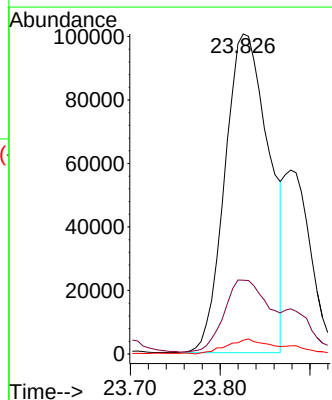
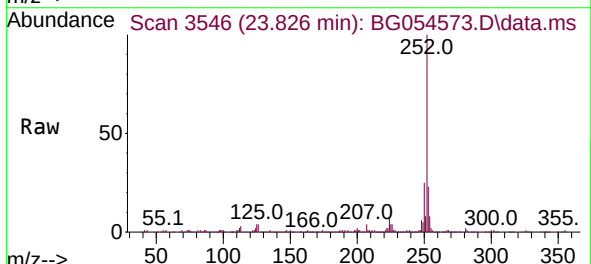
Instrument :
BNA_G
ClientSampleId :
SB-18

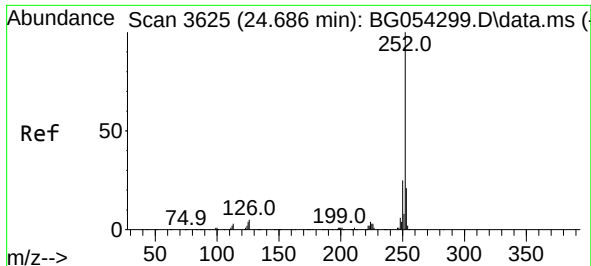
Tgt Ion:252 Resp: 342768
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 4.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 34.401 ng
RT: 23.826 min Scan# 3546
Delta R.T. -0.057 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:252 Resp: 342768
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 4.3 4.8 7.2#

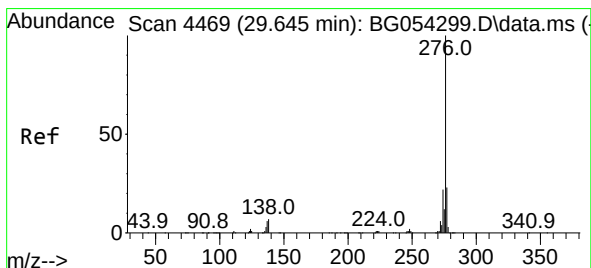
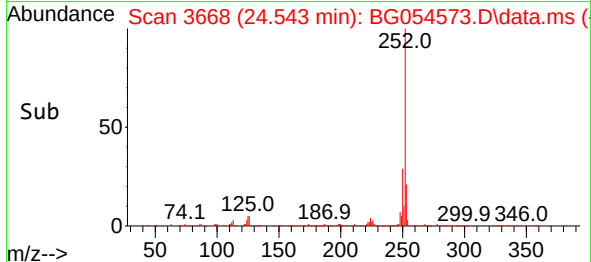
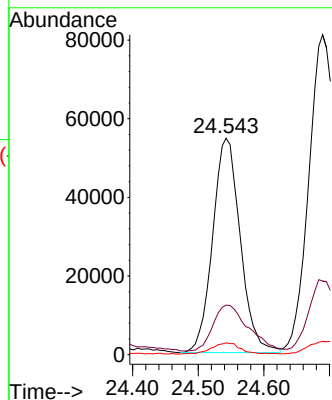
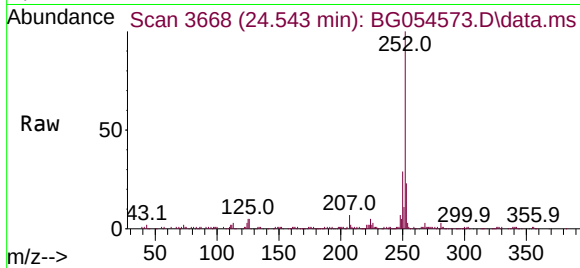




#90
Benzo(a)pyrene
Concen: 18.649 ng
RT: 24.543 min Scan# 3
Delta R.T. -0.146 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Instrument :
BNA_G
ClientSampleId :
SB-18

Tgt Ion:252 Resp: 159448
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 5.5 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 12.704 ng
RT: 29.678 min Scan# 4542
Delta R.T. 0.001 min
Lab File: BG054573.D
Acq: 9 Aug 2022 17:11

Tgt Ion:276 Resp: 132786
Ion Ratio Lower Upper
276 100
277 26.0 17.3 25.9#
138 6.7 9.6 14.4#

