

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054562.D
 Acq On : 8 Aug 2022 21:09
 Operator : CG/JU
 Sample : N4064-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13

Quant Time: Aug 09 01:58:14 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)

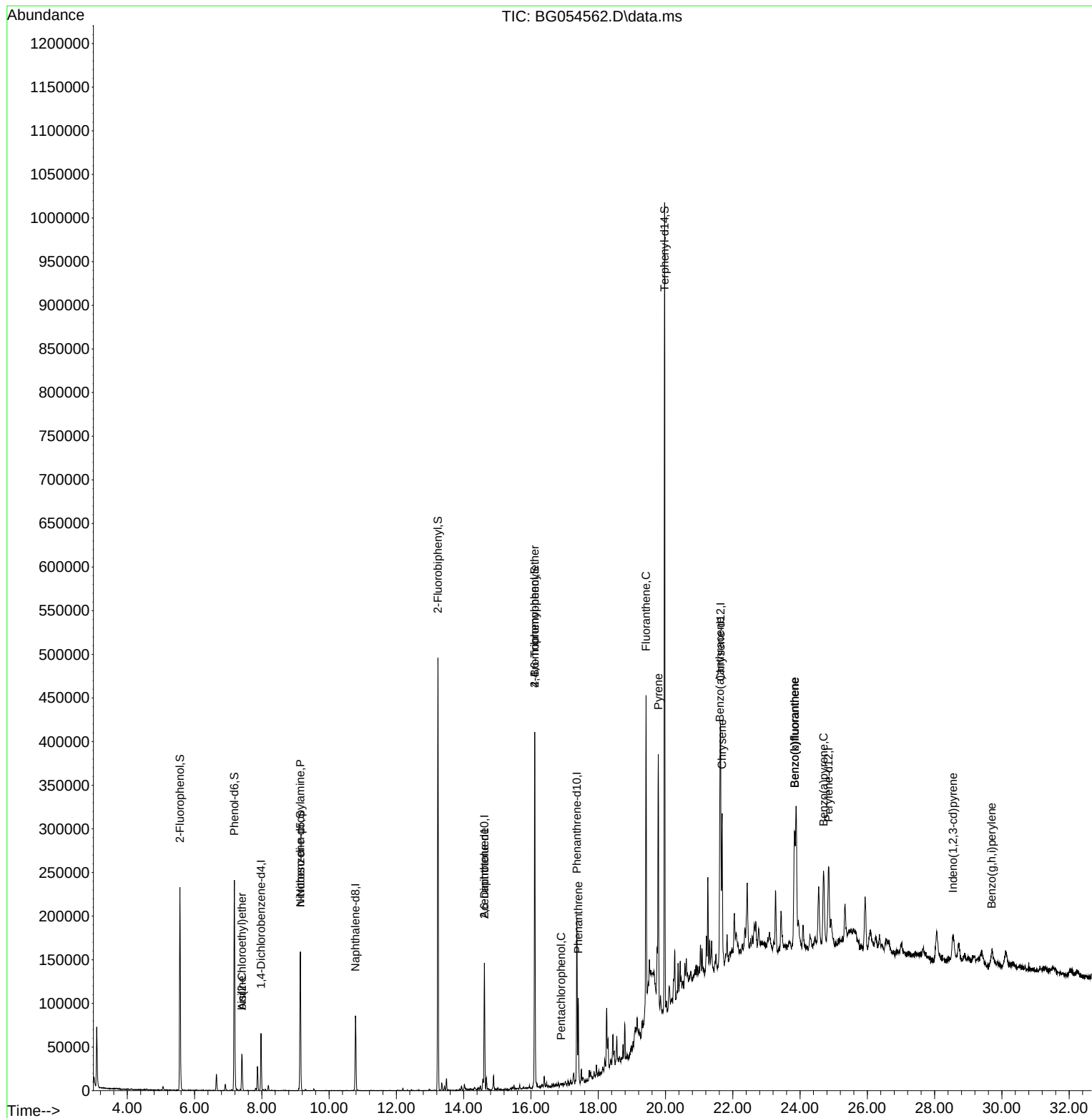
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	19883	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	78545	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	55976	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	131696	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	144118	20.000	ng	# 0.00
86) Perylene-d12	24.851	264	130915	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	107820	113.220	ng	0.00
7) Phenol-d6	7.183	99	144314	110.595	ng	0.00
23) Nitrobenzene-d5	9.146	82	98838	68.527	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	110553	94.065	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	283656	71.486	ng	0.00
79) Terphenyl-d14	19.974	244	509382	70.117	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.412	93	18159	12.056	ng	# 51
9) Benzaldehyde	7.177	77	134	Below Cal		# 10
11) bis(2-Chloroethyl)ether	7.412	93	18159	19.210	ng	# 20
19) n-Nitroso-di-n-propyla...	9.146	70	13965	16.026	ng	# 78
51) 2,6-Dinitrotoluene	14.616	165	8080	8.425	ng	# 16
67) 4-Bromophenyl-phenylether	16.114	248	6714	3.630	ng	# 1
70) Pentachlorophenol	16.895	266	55	3.839	ng	# 16
71) Phenanthrene	17.406	178	67823	10.341	ng	99
75) Fluoranthene	19.422	202	237673	26.585	ng	95
78) Pyrene	19.786	202	208256	25.184	ng	99
81) Benzo(a)anthracene	21.619	228	135595	14.822	ng	98
83) Chrysene	21.684	228	152210	17.610	ng	96
87) Indeno(1,2,3-cd)pyrene	28.552	276	61290	6.154	ng	# 72
88) Benzo(b)fluoranthene	23.840	252	211179	27.276	ng	# 95
89) Benzo(k)fluoranthene	23.840	252	211179	27.408	ng	# 95
90) Benzo(a)pyrene	24.698	252	129169	19.536	ng	98
92) Benzo(g,h,i)perylene	29.692	276	51126	6.325	ng	# 94

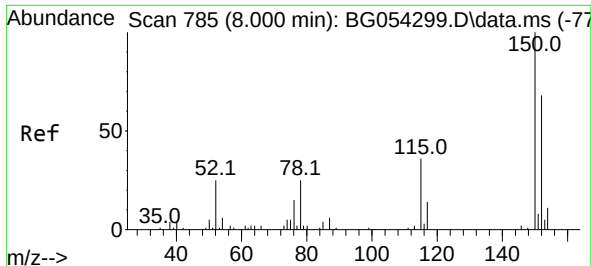
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
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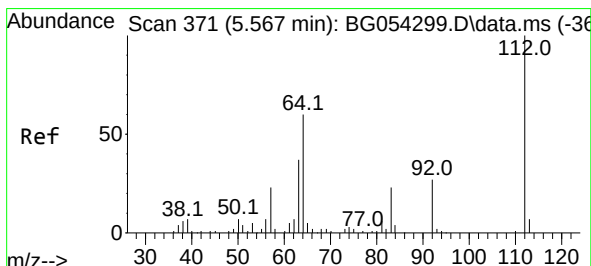
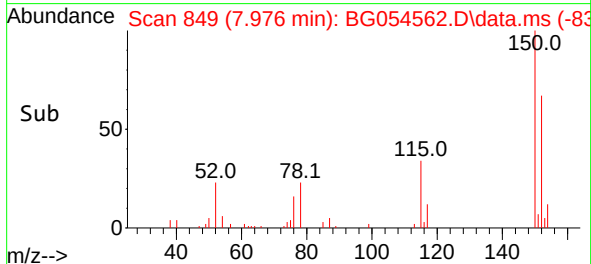
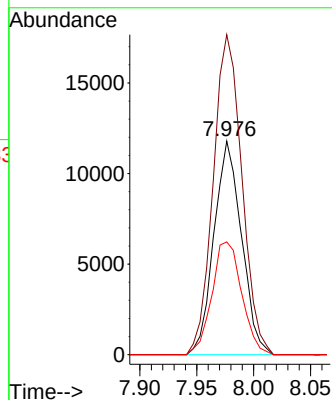
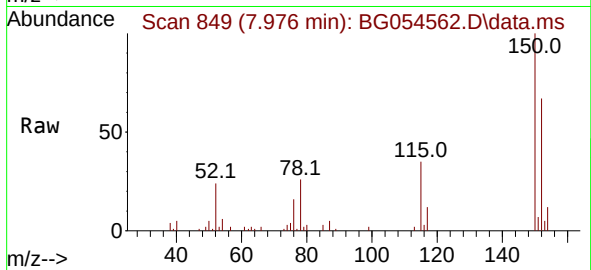




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

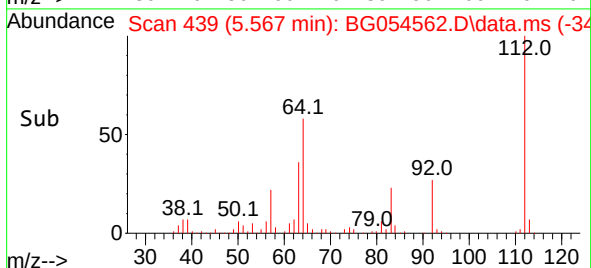
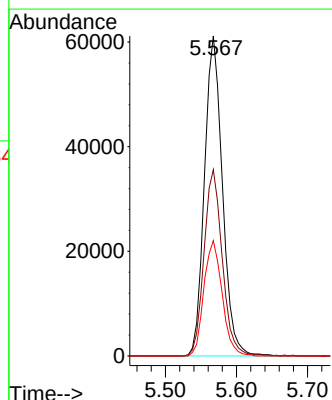
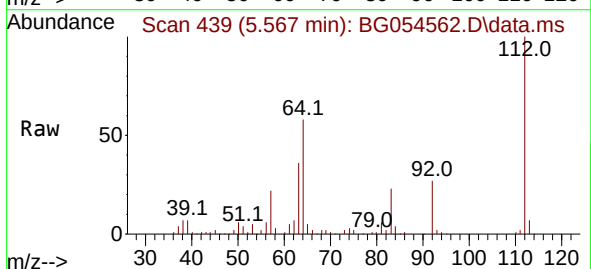
Instrument :
BNA_G
ClientSampleId :
SB-13

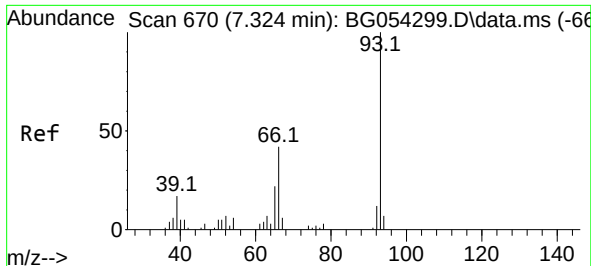
Tgt Ion:152 Resp: 19883
Ion Ratio Lower Upper
152 100
150 149.8 131.6 197.4
115 52.8 50.9 76.3



#5
2-Fluorophenol
Concen: 113.220 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:112 Resp: 107820
Ion Ratio Lower Upper
112 100
64 58.2 55.1 82.7
63 36.1 30.4 45.6

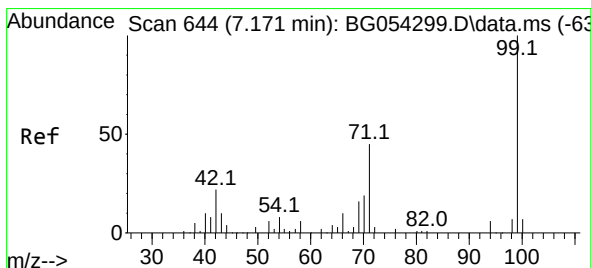
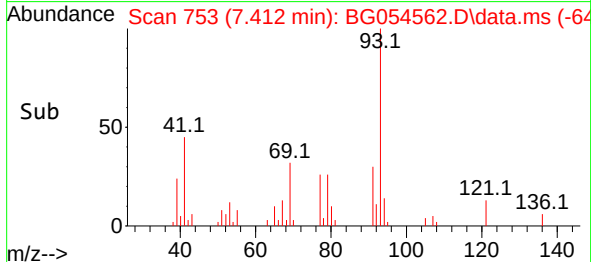
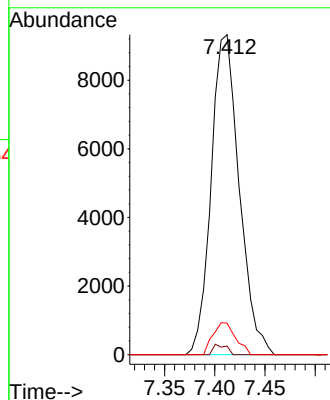
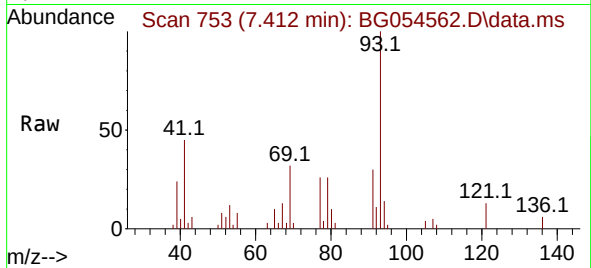




#6
Aniline
Concen: 12.056 ng
RT: 7.412 min Scan# 714
Delta R.T. 0.116 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

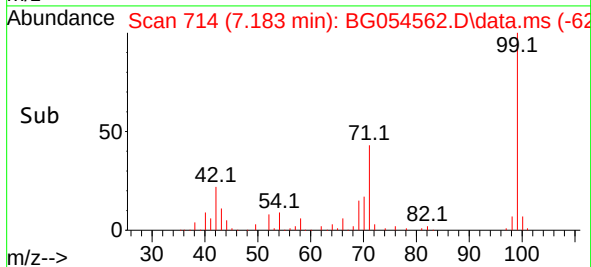
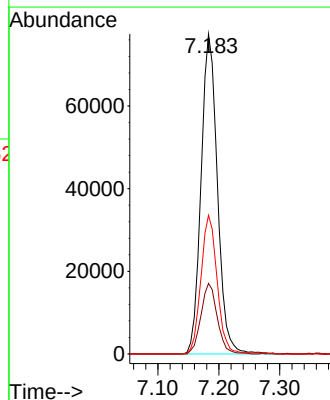
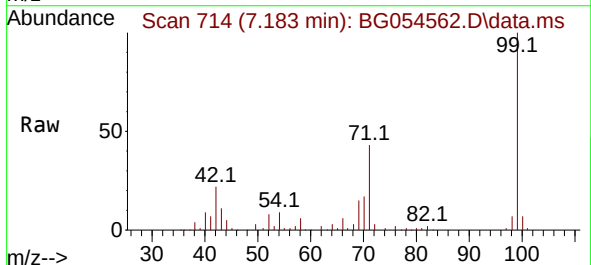
Instrument :
BNA_G
ClientSampleId :
SB-13

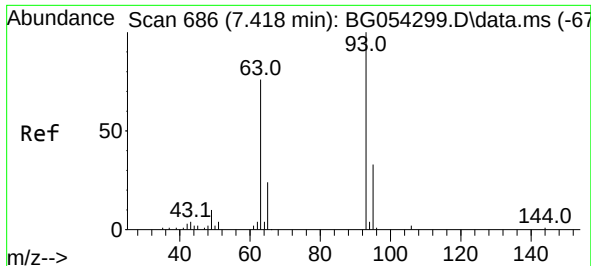
Tgt Ion: 93 Resp: 18159
Ion Ratio Lower Upper
93 100
66 2.7 32.9 49.3#
65 9.9 17.8 26.8#



#7
Phenol-d6
Concen: 110.595 ng
RT: 7.183 min Scan# 714
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion: 99 Resp: 144314
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 43.4 33.8 50.8

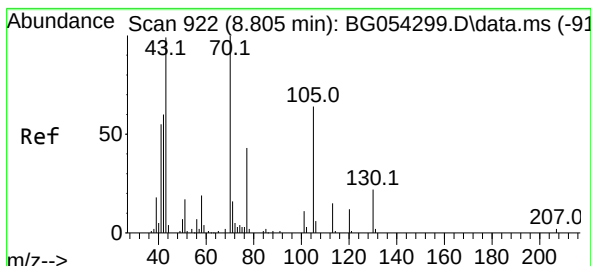
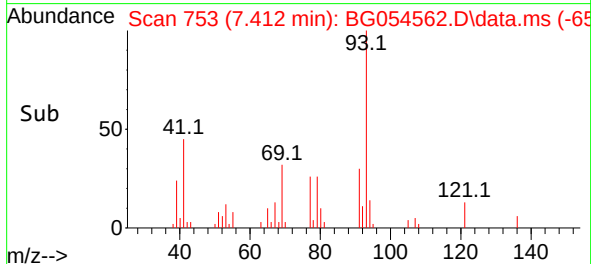
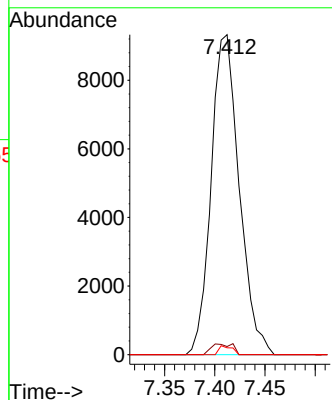
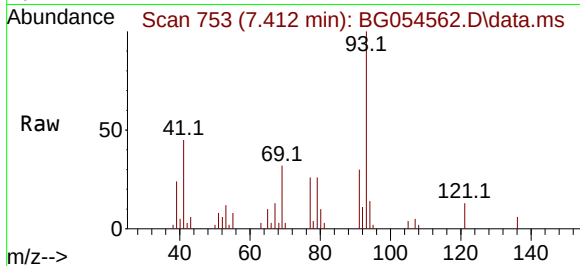




#11
bis(2-Chloroethyl)ether
Concen: 19.210 ng
RT: 7.412 min Scan# 71
Delta R.T. 0.022 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

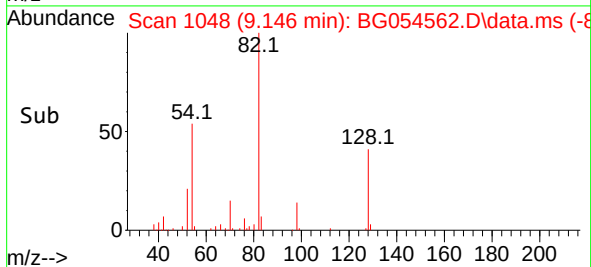
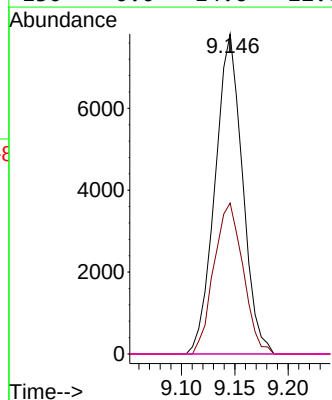
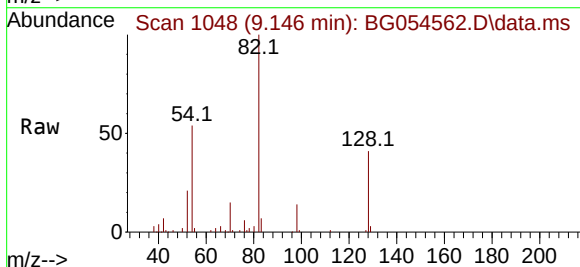
Instrument :
BNA_G
ClientSampleId :
SB-13

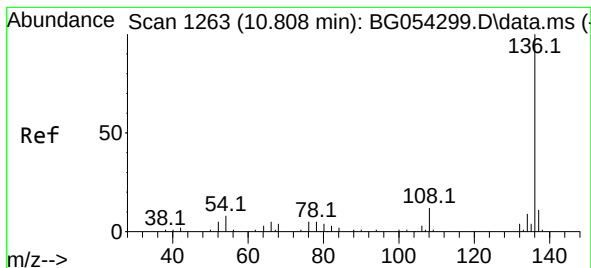
Tgt Ion: 93 Resp: 18159
Ion Ratio Lower Upper
93 100
63 2.6 63.6 103.6#
95 2.2 10.1 50.1#



#19
n-Nitroso-di-n-propylamine
Concen: 16.026 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.362 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion: 70 Resp: 13965
Ion Ratio Lower Upper
70 100
42 47.2 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.785 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

SB-13

Tgt Ion:136 Resp: 78545

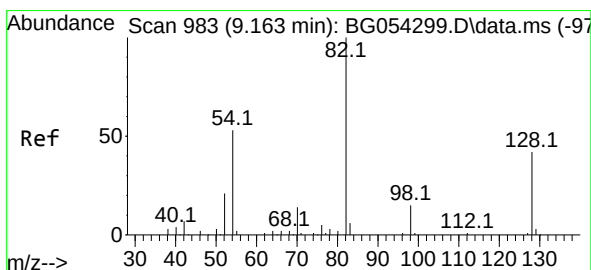
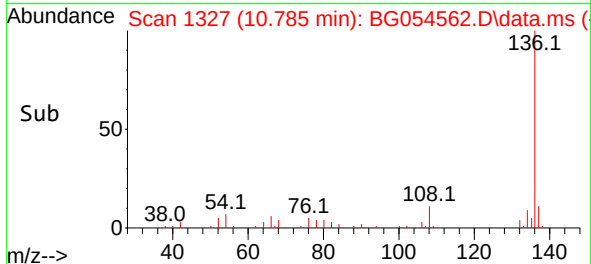
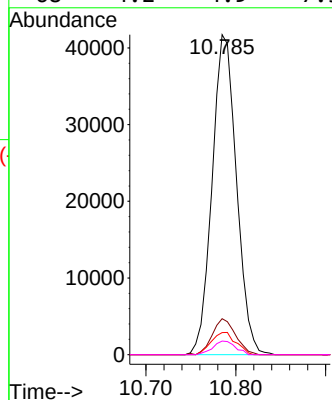
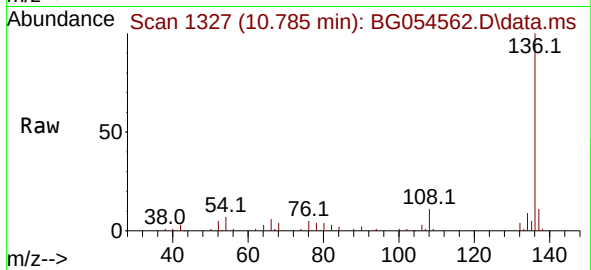
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.9 7.4 11.2#

68 4.2 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 68.527 ng

RT: 9.146 min Scan# 1048

Delta R.T. 0.004 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

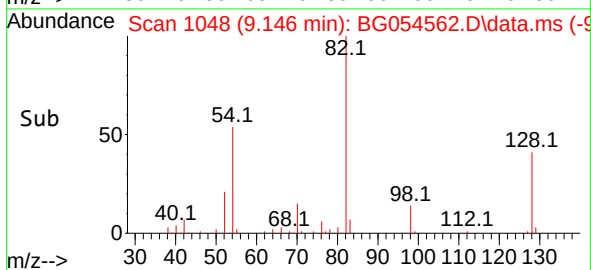
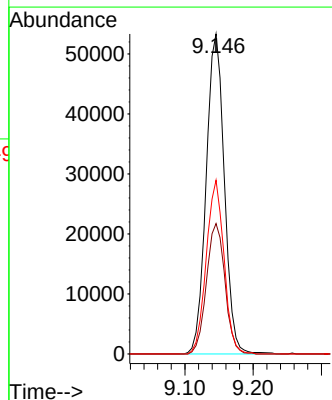
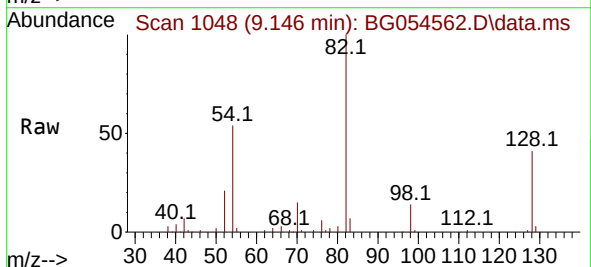
Tgt Ion: 82 Resp: 98838

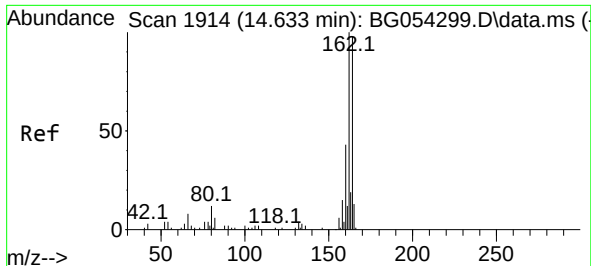
Ion Ratio Lower Upper

82 100

128 40.8 27.9 41.9

54 54.3 41.2 61.8

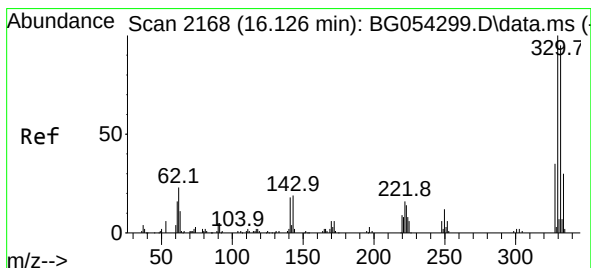
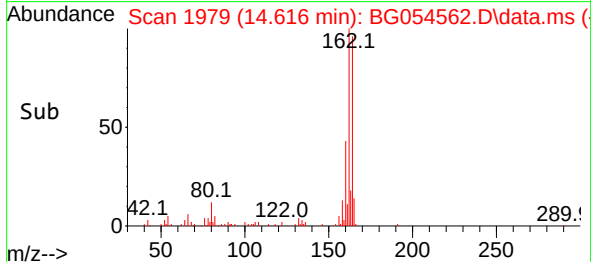
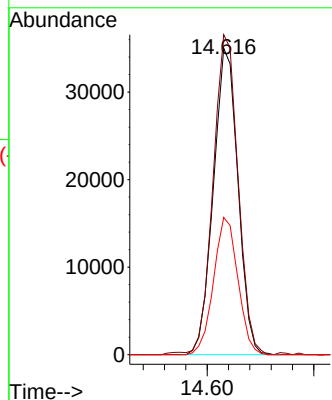
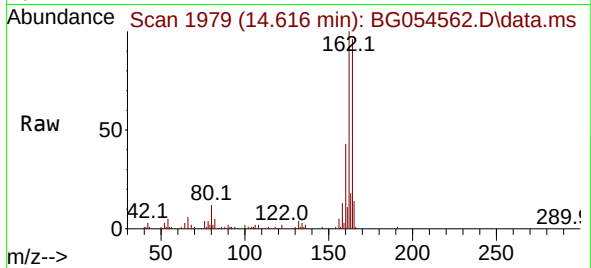




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

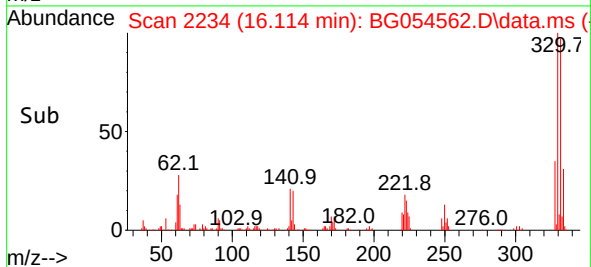
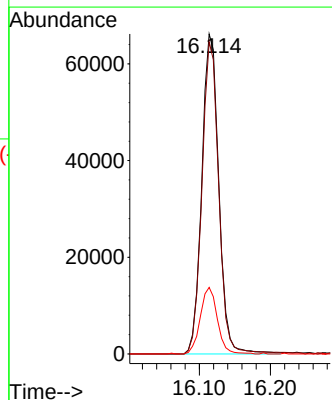
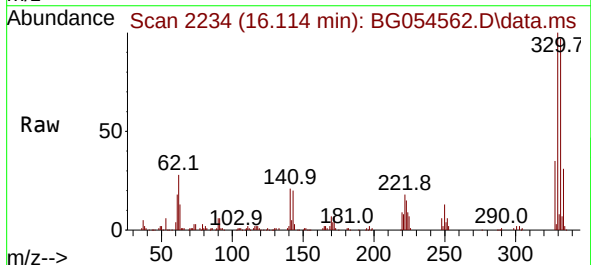
Instrument :
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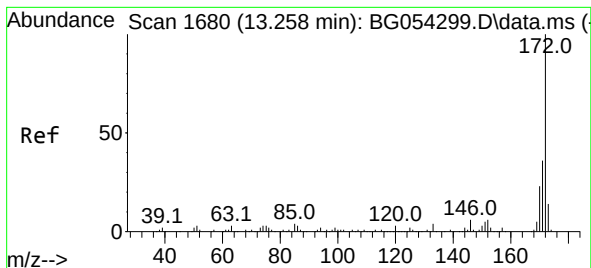
Tgt Ion:164 Resp: 55976
Ion Ratio Lower Upper
164 100
162 104.5 82.3 123.5
160 44.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 94.065 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:330 Resp: 110553
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 20.8 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 71.486 ng

RT: 13.235 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

SB-13

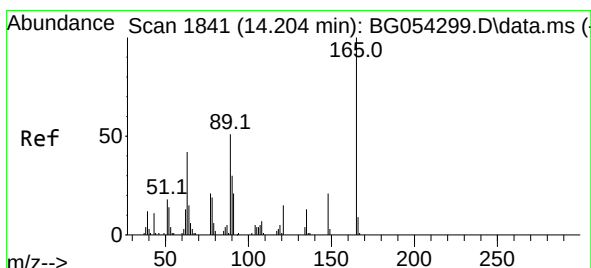
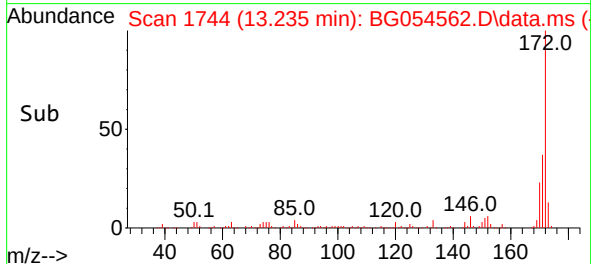
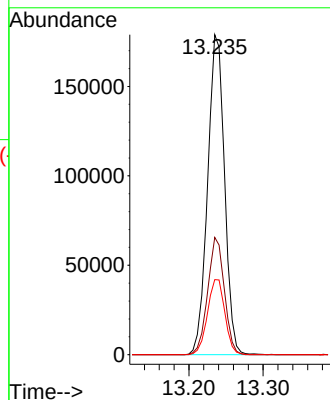
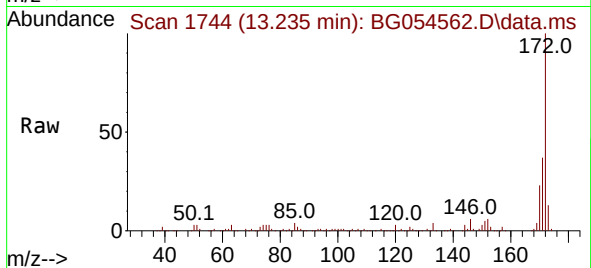
Tgt Ion:172 Resp: 283656

Ion Ratio Lower Upper

172 100

171 36.6 28.5 42.7

170 23.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.425 ng

RT: 14.616 min Scan# 1979

Delta R.T. 0.421 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

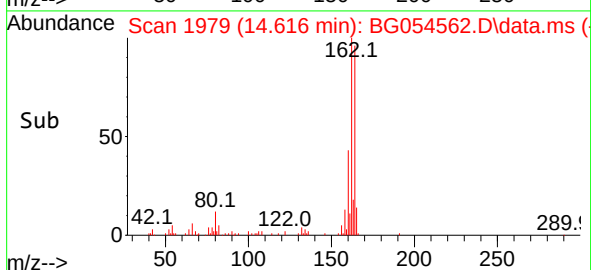
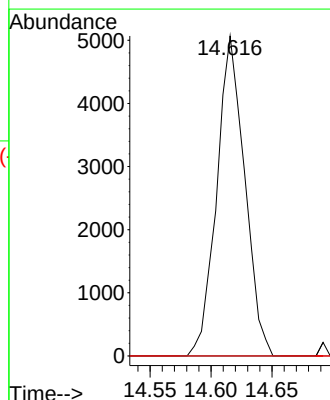
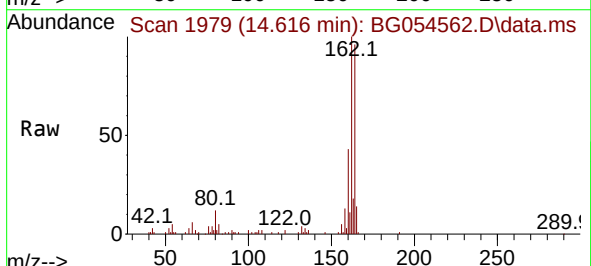
Tgt Ion:165 Resp: 8080

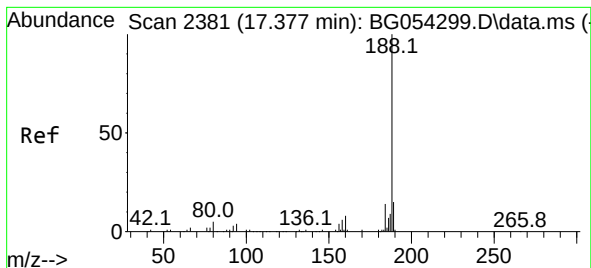
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.365 min Scan# 2447

Delta R.T. 0.004 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

SB-13

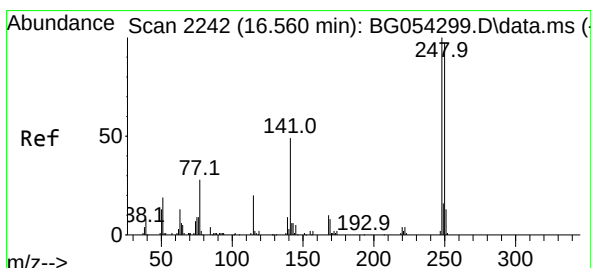
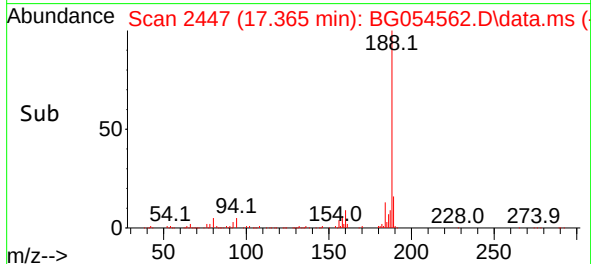
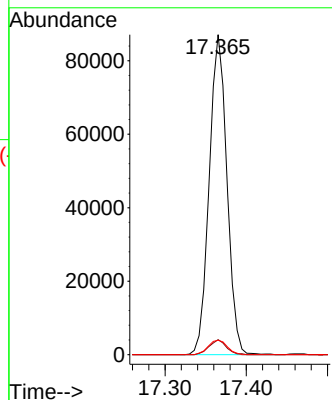
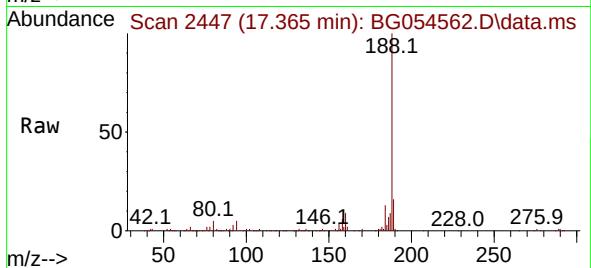
Tgt Ion:188 Resp: 131696

Ion Ratio Lower Upper

188 100

94 4.7 5.4 8.0#

80 4.5 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 3.630 ng

RT: 16.114 min Scan# 2234

Delta R.T. -0.431 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

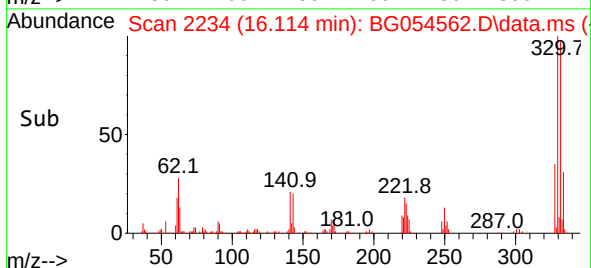
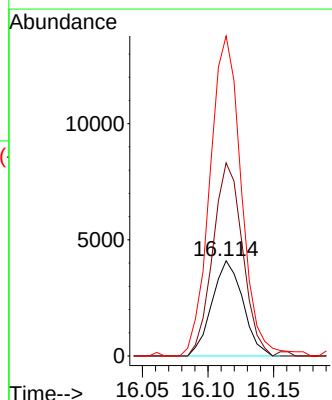
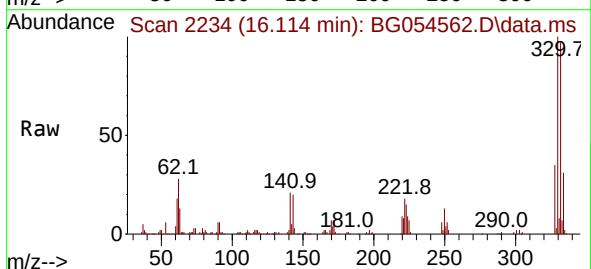
Tgt Ion:248 Resp: 6714

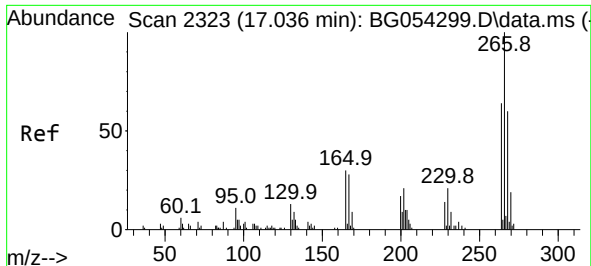
Ion Ratio Lower Upper

248 100

250 160.9 75.2 112.8#

141 266.6 50.0 75.0#

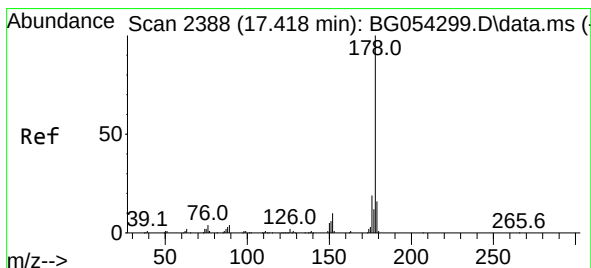
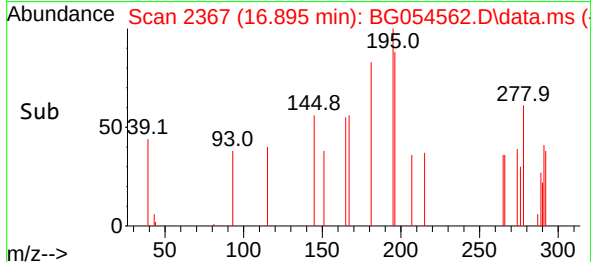
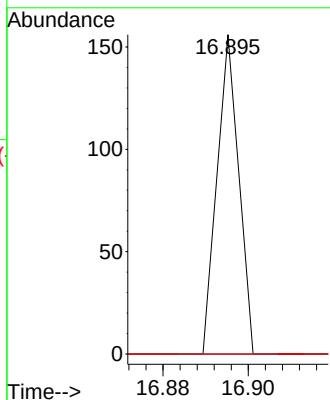
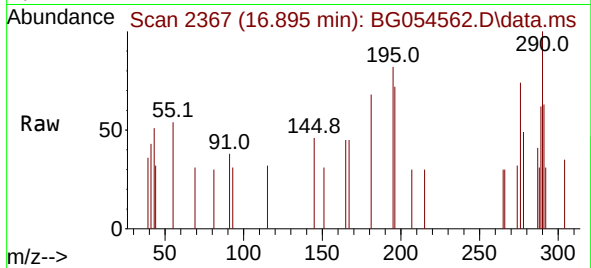




#70
Pentachlorophenol
Concen: 3.839 ng
RT: 16.895 min Scan# 21
Delta R.T. -0.143 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

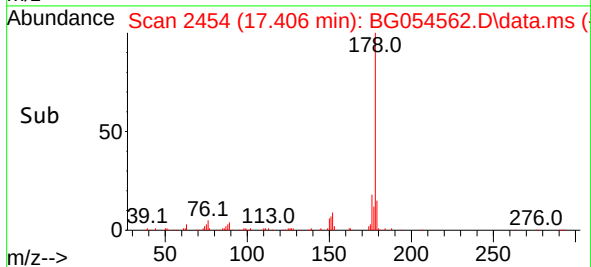
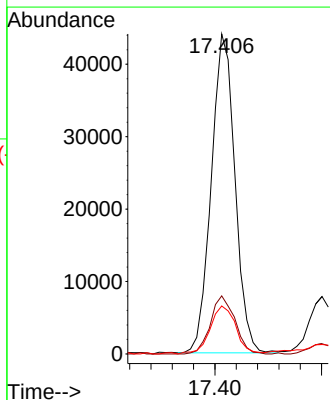
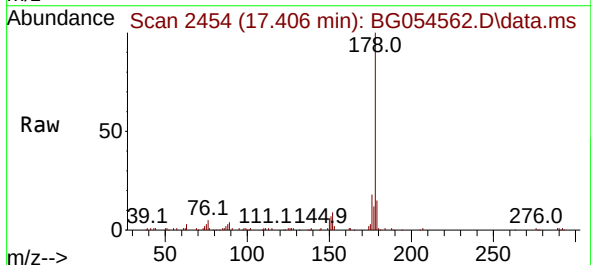
Instrument :
BNA_G
ClientSampleId :
SB-13

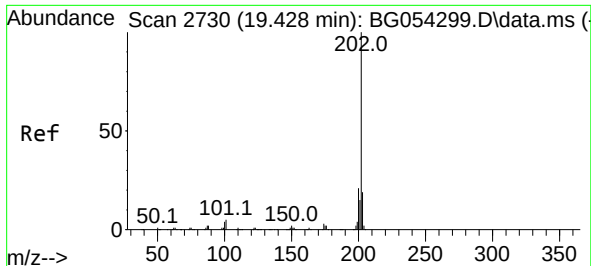
Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
268 0.0 56.2 84.2#
264 0.0 53.0 79.4#



#71
Phenanthrene
Concen: 10.341 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:178 Resp: 67823
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 15.0 12.1 18.1

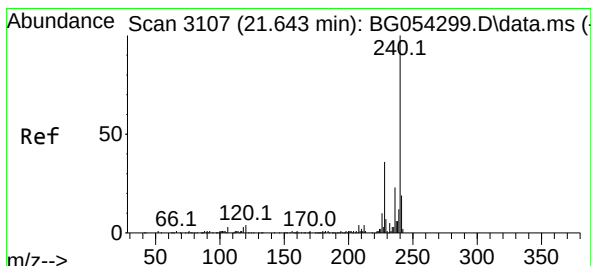
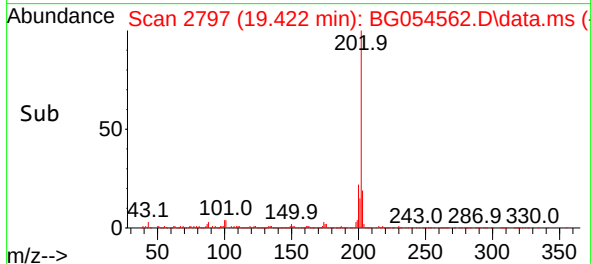
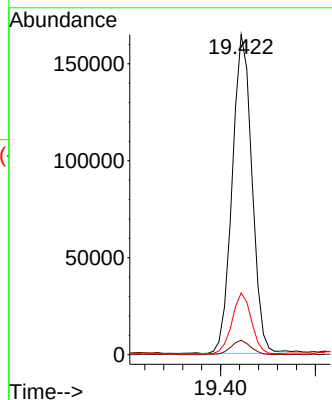
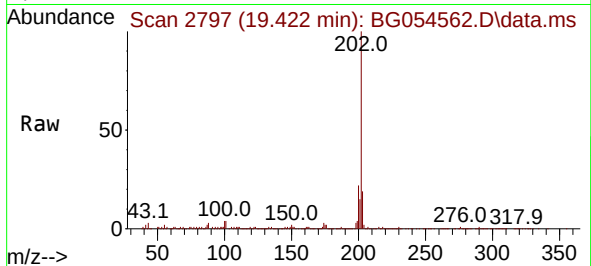




#75
Fluoranthene
Concen: 26.585 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

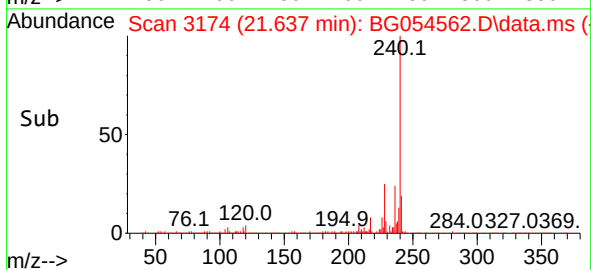
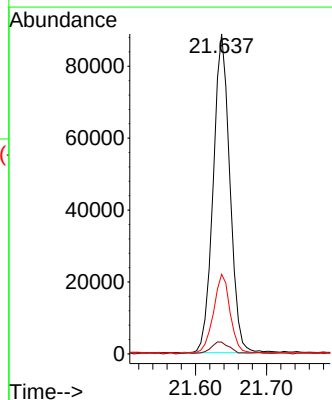
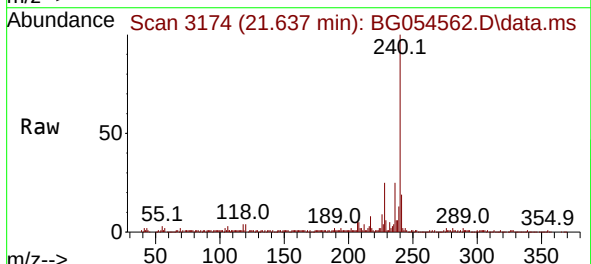
Instrument :
BNA_G
ClientSampleId :
SB-13

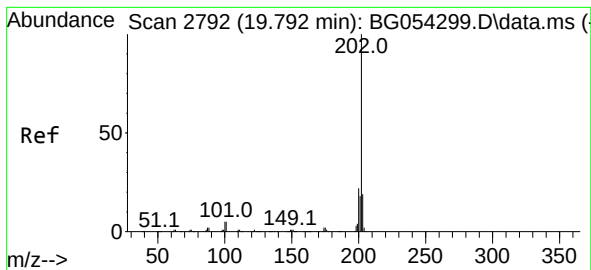
Tgt Ion:202 Resp: 237673
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 19.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:240 Resp: 144118
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 24.9 20.2 30.4





#78

Pyrene

Concen: 25.184 ng

RT: 19.786 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Instrument :

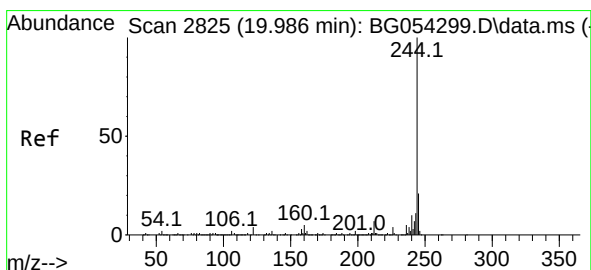
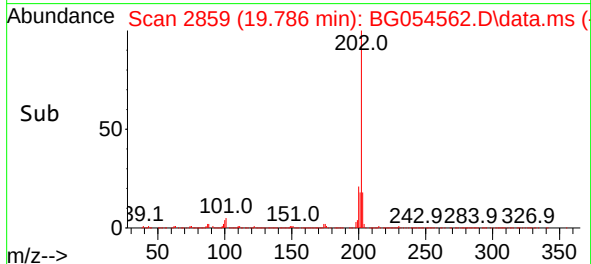
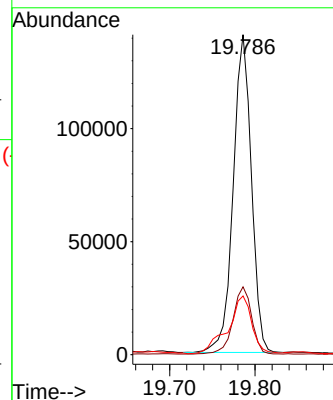
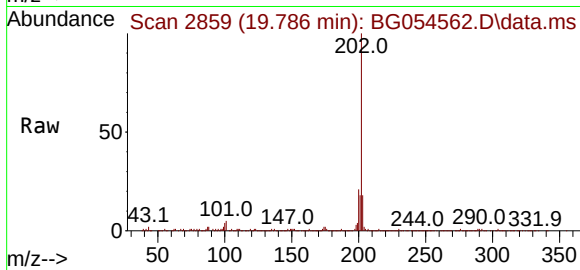
BNA_G

ClientSampleId :

SB-13

Tgt Ion:202 Resp: 208256

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	18.3	14.6	21.8



#79

Terphenyl-d14

Concen: 70.117 ng

RT: 19.974 min Scan# 2891

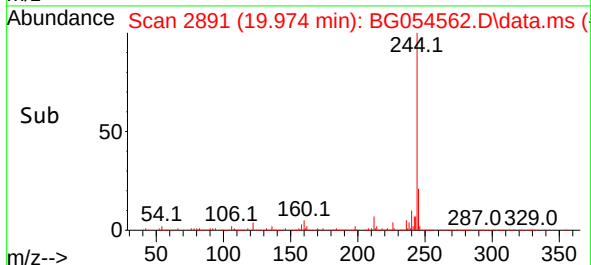
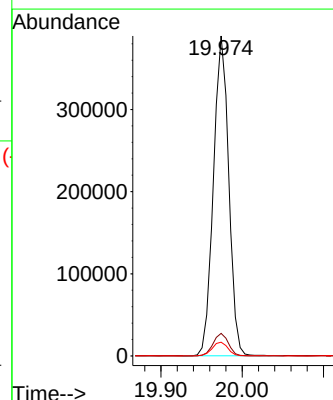
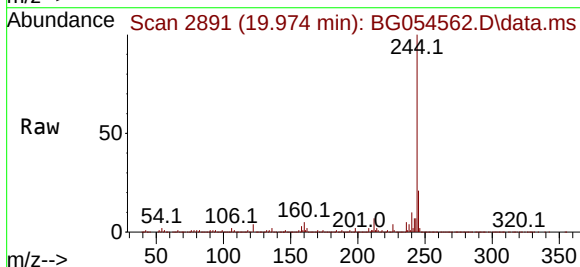
Delta R.T. 0.004 min

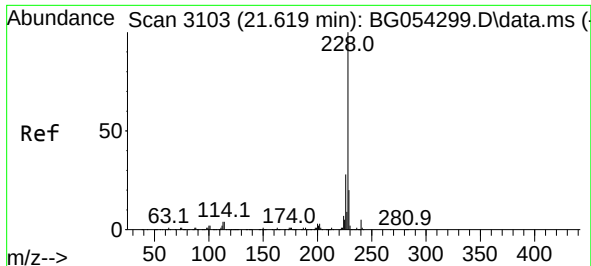
Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Tgt Ion:244 Resp: 509382

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	4.3	5.0	7.4

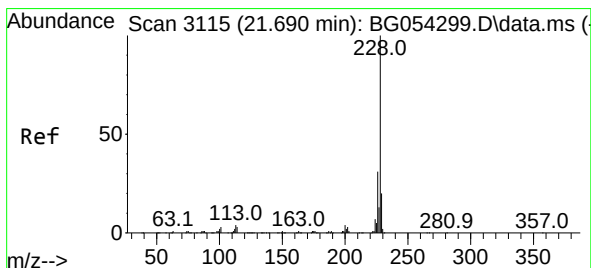
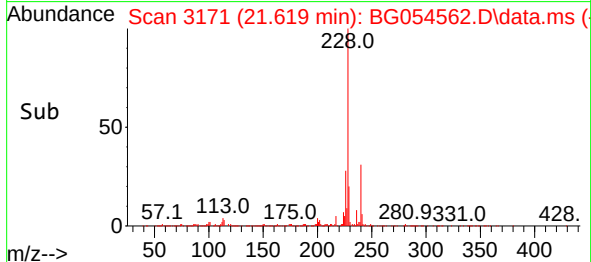
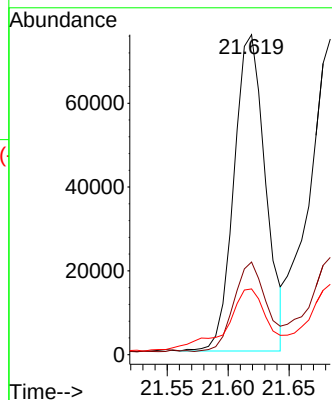
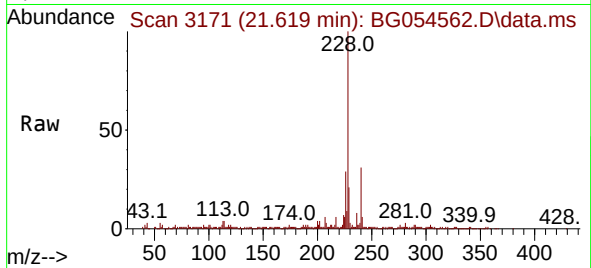




#81
Benzo(a)anthracene
Concen: 14.822 ng
RT: 21.619 min Scan# 3103
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

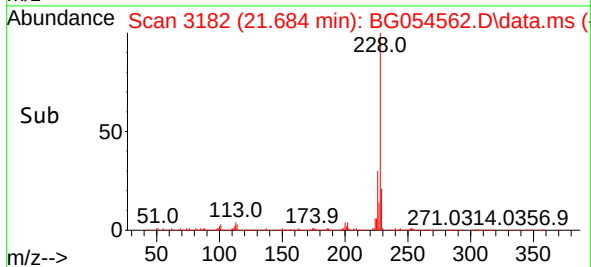
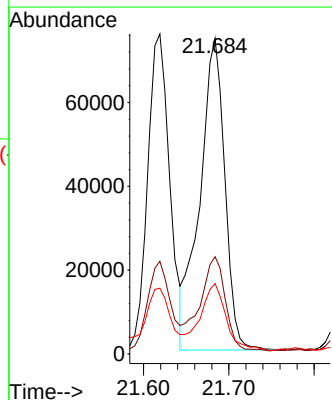
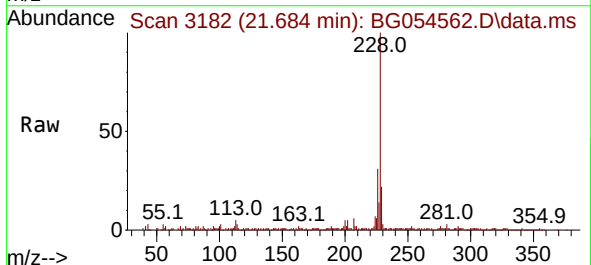
Instrument :
BNA_G
ClientSampleId :
SB-13

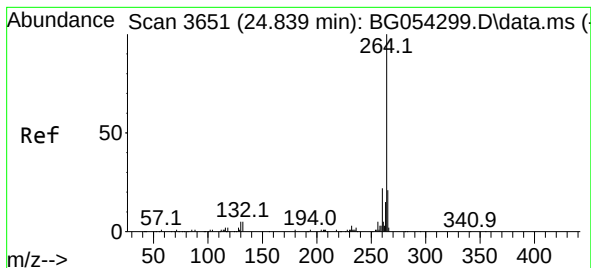
Tgt Ion:228 Resp: 135595
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 20.5 16.2 24.2



#83
Chrysene
Concen: 17.610 ng
RT: 21.684 min Scan# 3182
Delta R.T. 0.004 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:228 Resp: 152210
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 22.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.851 min Scan# 3

Delta R.T. 0.016 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

Instrument :

BNA_G

ClientSampleId :

SB-13

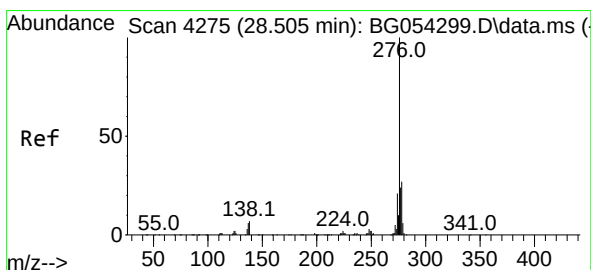
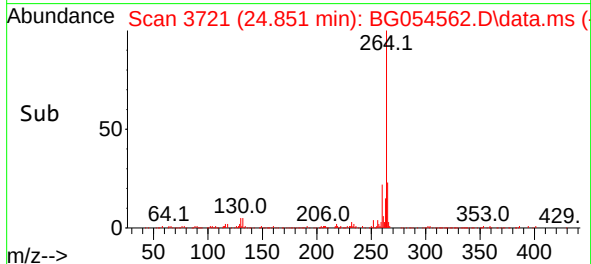
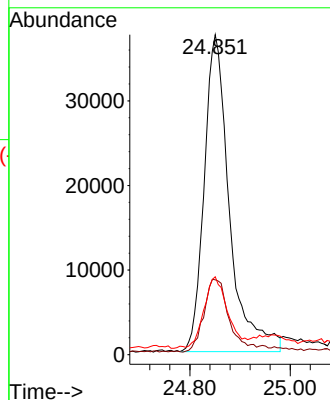
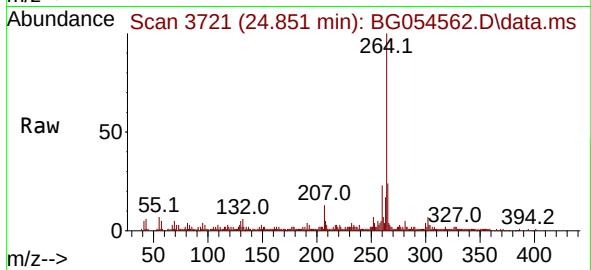
Tgt Ion:264 Resp: 130915

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 24.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.154 ng

RT: 28.552 min Scan# 4351

Delta R.T. 0.022 min

Lab File: BG054562.D

Acq: 8 Aug 2022 21:09

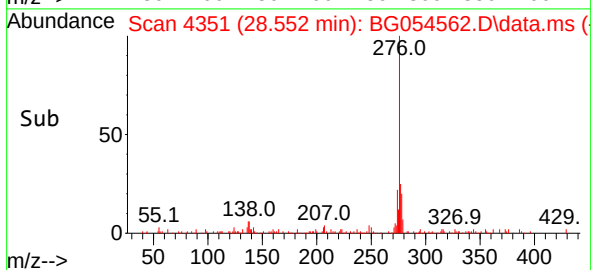
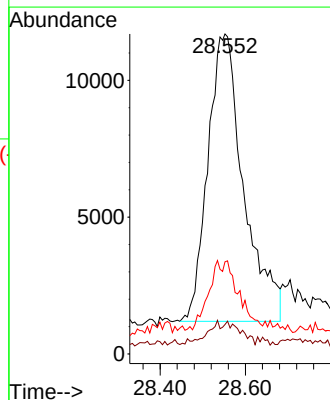
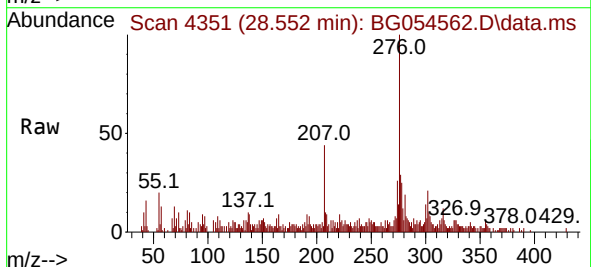
Tgt Ion:276 Resp: 61290

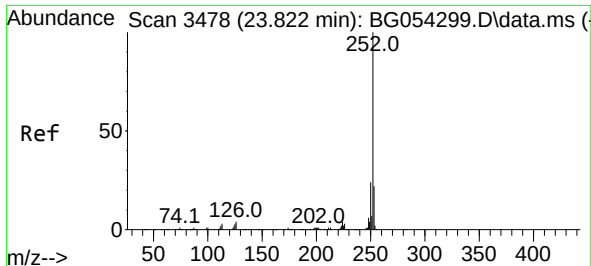
Ion Ratio Lower Upper

276 100

138 2.0 5.0 7.4#

277 9.4 20.3 30.5#

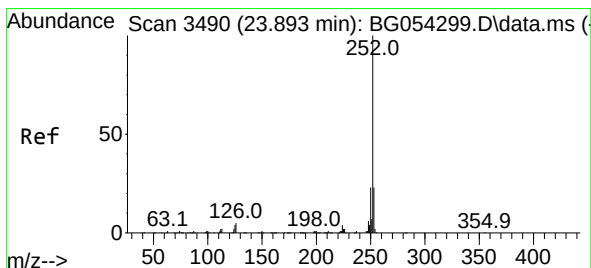
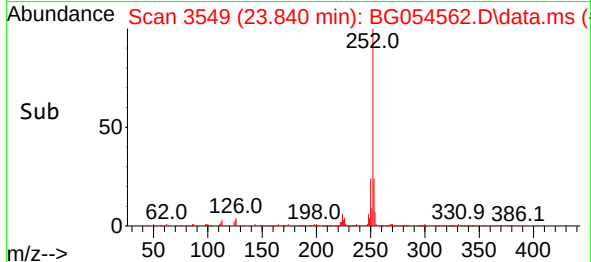
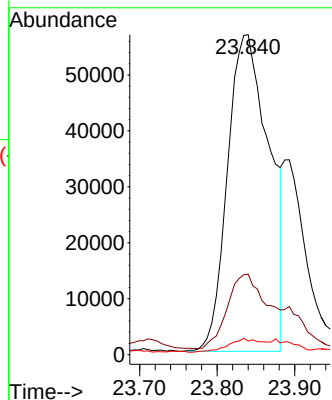
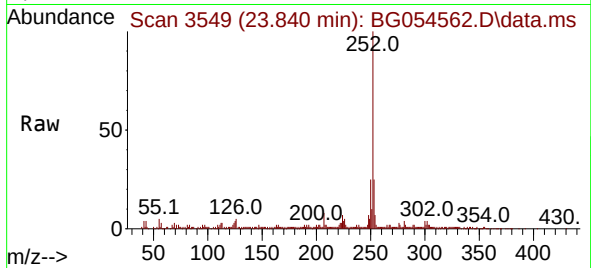




#88
Benzo(b)fluoranthene
Concen: 27.276 ng
RT: 23.840 min Scan# 3549
Delta R.T. 0.022 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

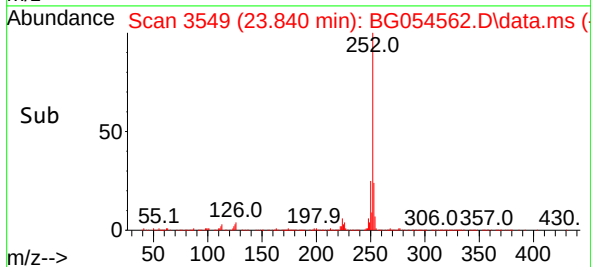
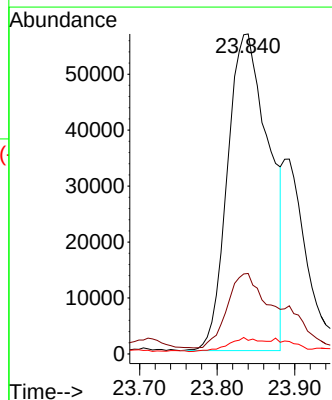
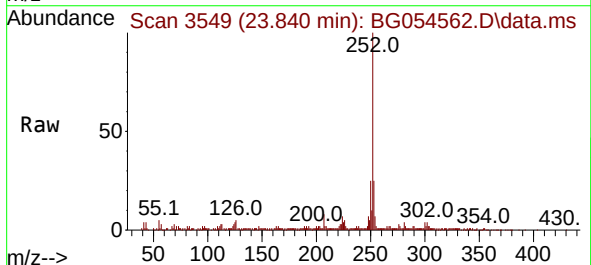
Instrument :
BNA_G
ClientSampleId :
SB-13

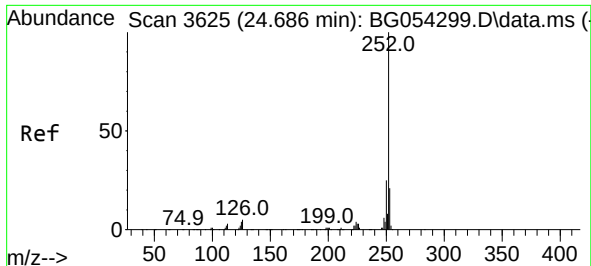
Tgt Ion:252 Resp: 211179
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 4.2 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 27.408 ng
RT: 23.840 min Scan# 3549
Delta R.T. -0.043 min
Lab File: BG054562.D
Acq: 8 Aug 2022 21:09

Tgt Ion:252 Resp: 211179
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 4.2 4.8 7.2#

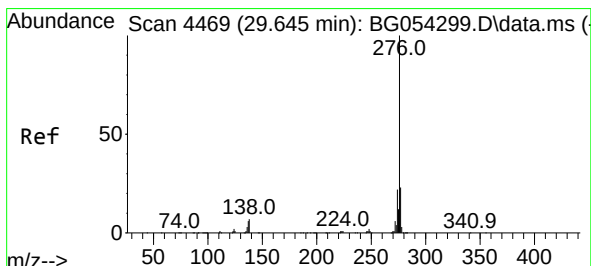
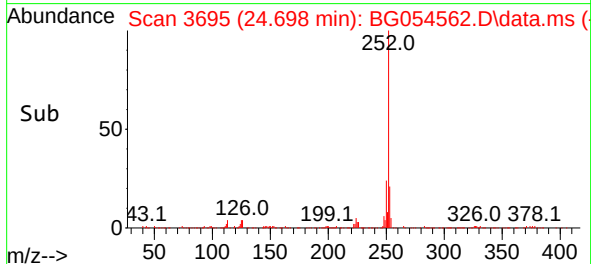
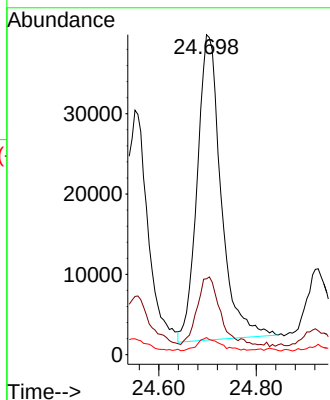
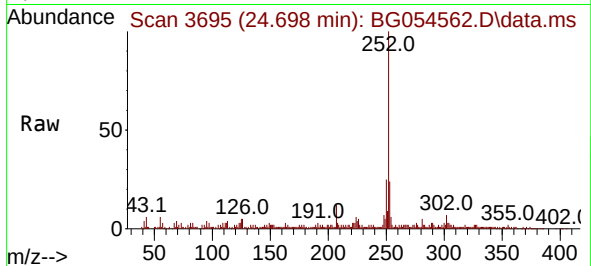




#90
 Benzo(a)pyrene
 Concen: 19.536 ng
 RT: 24.698 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: BG054562.D
 Acq: 8 Aug 2022 21:09

Instrument :
 BNA_G
 ClientSampleId :
 SB-13

Tgt Ion:252 Resp: 129169
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.8 26.8
 125 5.3 4.3 6.5



#92
 Benzo(g,h,i)perylene
 Concen: 6.325 ng
 RT: 29.692 min Scan# 4545
 Delta R.T. 0.016 min
 Lab File: BG054562.D
 Acq: 8 Aug 2022 21:09

Tgt Ion:276 Resp: 51126
 Ion Ratio Lower Upper
 276 100
 277 24.1 17.3 25.9
 138 9.5 9.6 14.4#

