

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054352.D
 Acq On : 21 Jul 2022 19:54
 Operator : CG/JU
 Sample : N3786-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC3B

Quant Time: Jul 22 02:37:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

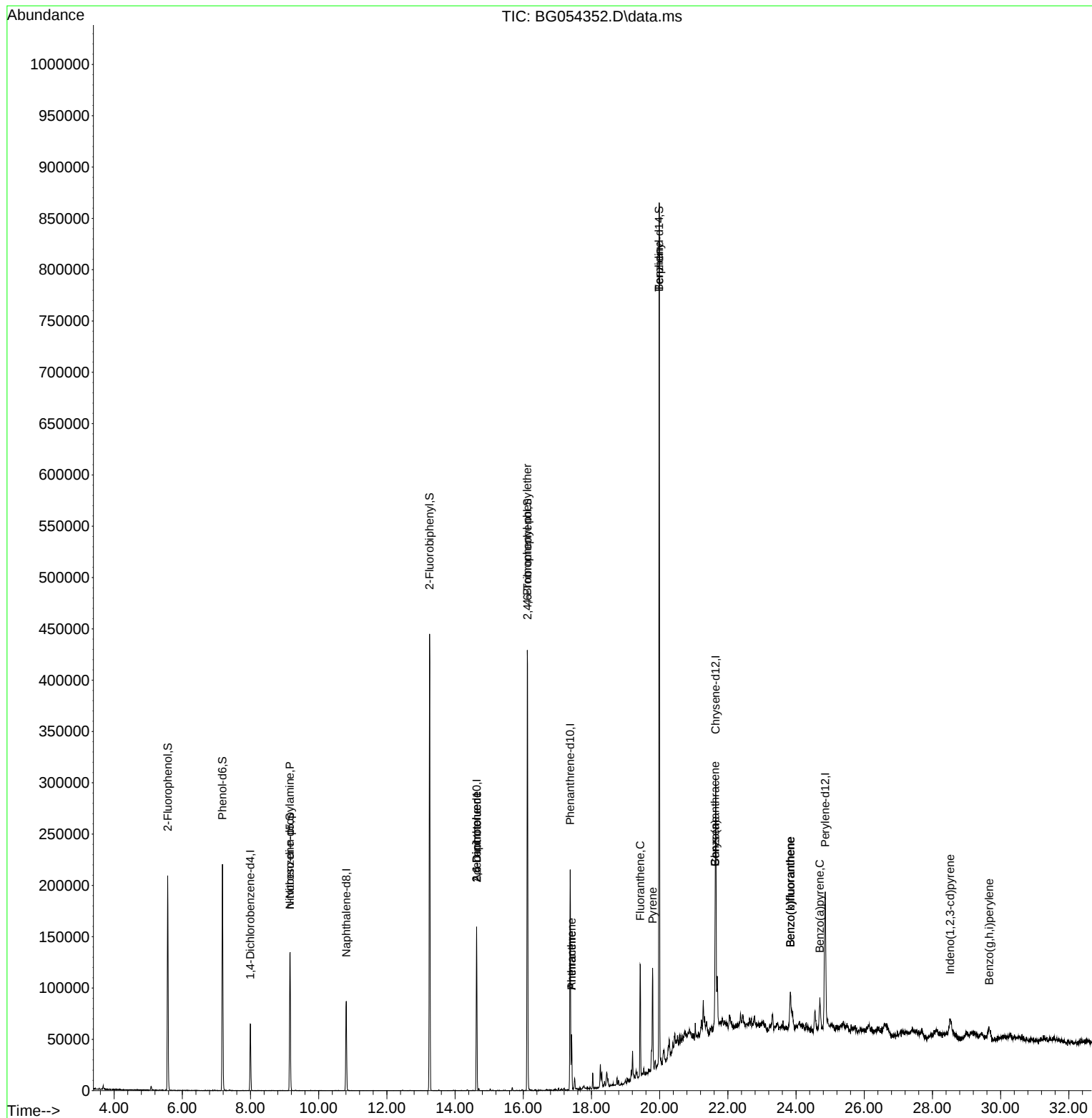
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	20789	20.000	ng	0.00
21) Naphthalene-d8	10.808	136	78082	20.000	ng	# 0.00
39) Acenaphthene-d10	14.633	164	60814	20.000	ng	0.00
64) Phenanthrene-d10	17.377	188	149383	20.000	ng	# 0.00
76) Chrysene-d12	21.643	240	156640	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	165758	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	93110	93.512	ng	0.00
7) Phenol-d6	7.177	99	125263	91.811	ng	0.00
23) Nitrobenzene-d5	9.157	82	85061	59.324	ng	0.00
42) 2,4,6-Tribromophenol	16.126	330	116132	90.951	ng	0.00
45) 2-Fluorobiphenyl	13.252	172	256903	59.593	ng	0.00
79) Terphenyl-d14	19.986	244	481207	60.944	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.177	77	83	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.157	70	12130	13.314	ng	# 82
51) 2,6-Dinitrotoluene	14.633	165	8200	7.870	ng	# 16
57) 2,4-Dinitrotoluene	14.633	165	8200	5.490	ng	# 21
67) 4-Bromophenyl-phenylether	16.120	248	7004	3.338	ng	# 1
71) Phenanthrene	17.418	178	38541	5.181	ng	99
72) Anthracene	17.418	178	38541	5.279	ng	97
75) Fluoranthene	19.433	202	76374	7.531	ng	94
77) Benzidine	19.986	184	6539	2.305	ng	97
78) Pyrene	19.792	202	72546	8.072	ng	98
81) Benzo(a)anthracene	21.625	228	44189	4.444	ng	97
83) Chrysene	21.625	228	44189	4.704	ng	95
87) Indeno(1,2,3-cd)pyrene	28.517	276	25712	2.039	ng	96
88) Benzo(b)fluoranthene	23.834	252	52349	5.340	ng	97
89) Benzo(k)fluoranthene	23.834	252	52349	5.366	ng	98
90) Benzo(a)pyrene	24.698	252	37078	4.429	ng	99
92) Benzo(g,h,i)perylene	29.669	276	26650	2.604	ng	# 88

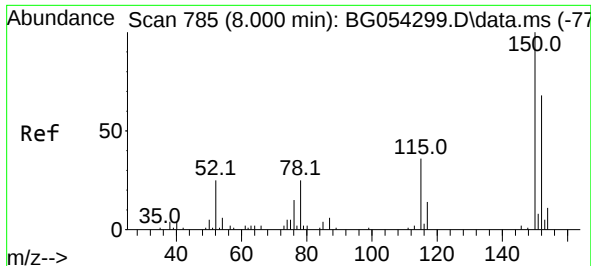
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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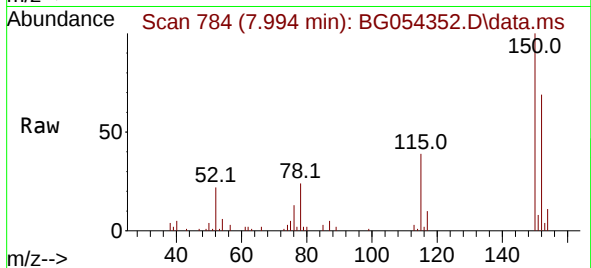
Quant Time: Jul 22 02:37:52 2022
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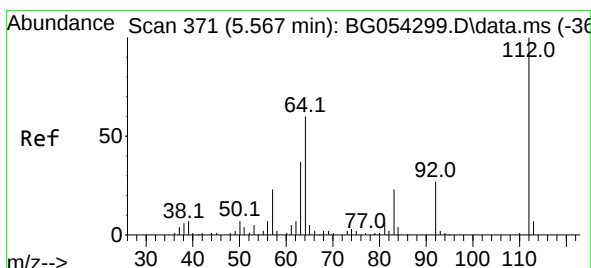
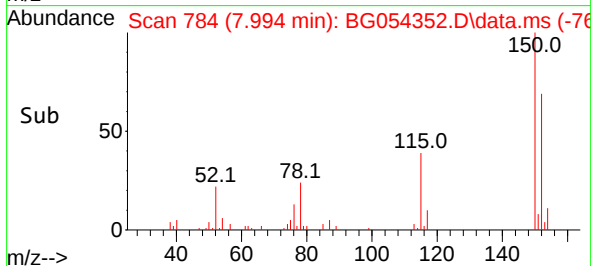
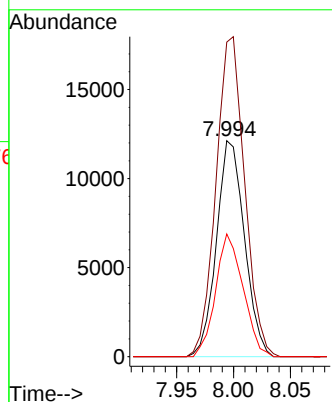


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.994 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

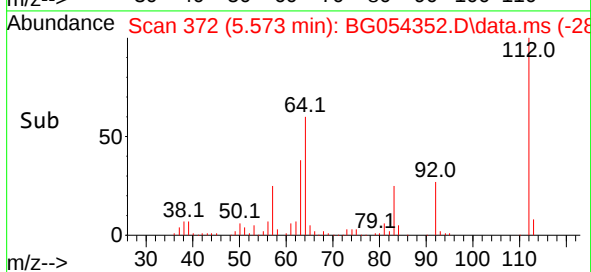
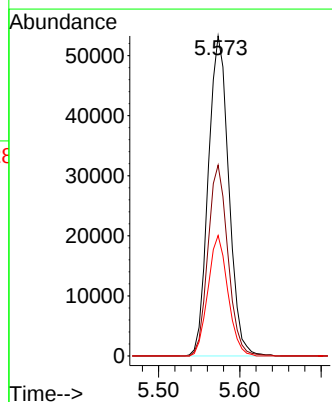
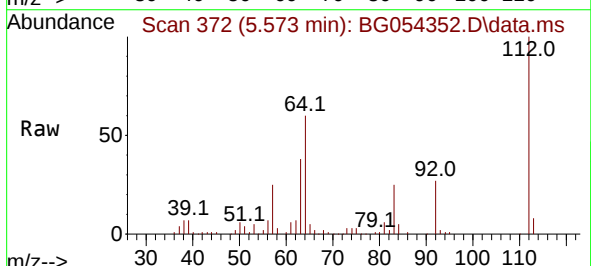


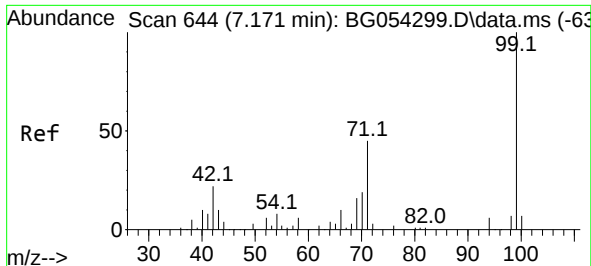
Tgt Ion:152 Resp: 20789
Ion Ratio Lower Upper
152 100
150 145.7 131.6 197.4
115 56.8 50.9 76.3



#5
2-Fluorophenol
Concen: 93.512 ng
RT: 5.573 min Scan# 372
Delta R.T. 0.006 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion:112 Resp: 93110
Ion Ratio Lower Upper
112 100
64 59.7 55.1 82.7
63 37.6 30.4 45.6

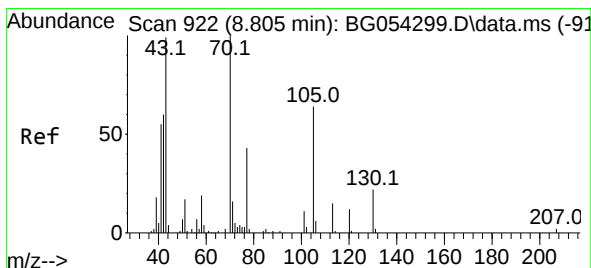
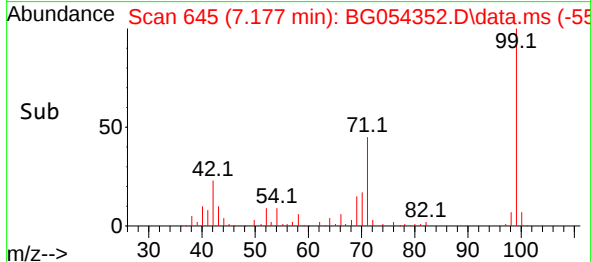
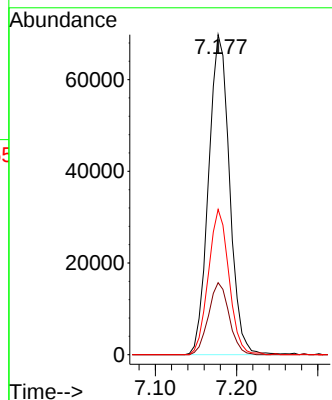
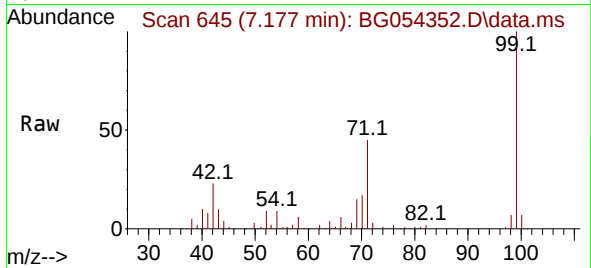




#7
Phenol-d6
Concen: 91.811 ng
RT: 7.177 min Scan# 64
Delta R.T. 0.006 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

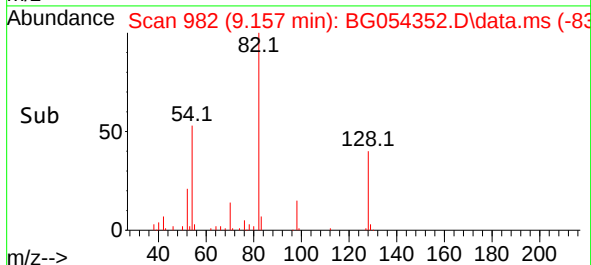
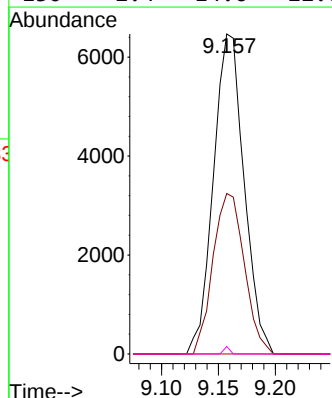
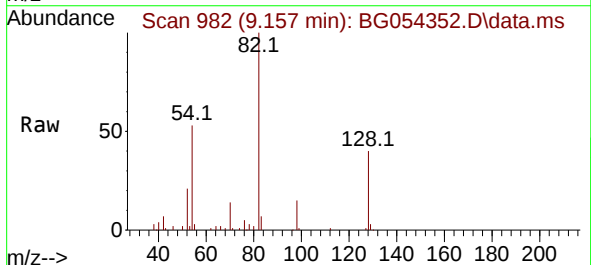
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

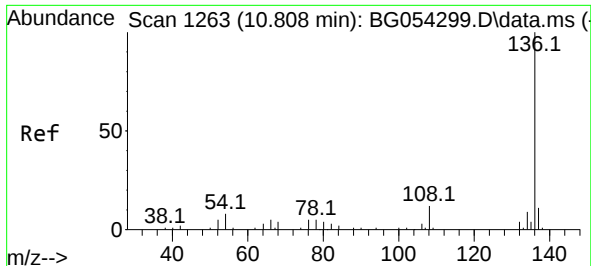
Tgt Ion: 99 Resp: 125263
Ion Ratio Lower Upper
99 100
42 22.5 17.0 25.6
71 45.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.314 ng
RT: 9.157 min Scan# 982
Delta R.T. 0.352 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion: 70 Resp: 12130
Ion Ratio Lower Upper
70 100
42 50.1 47.3 70.9
101 0.0 7.0 10.4#
130 2.4 14.6 22.0#

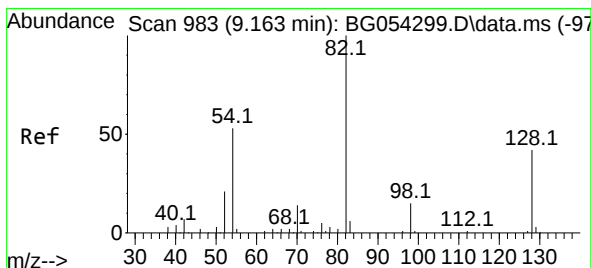
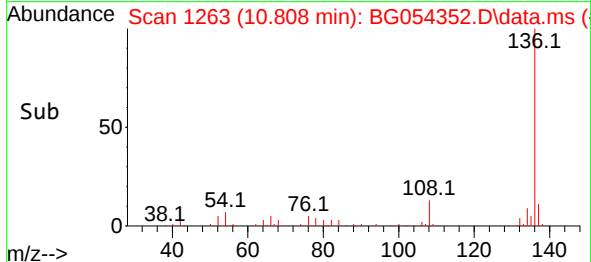
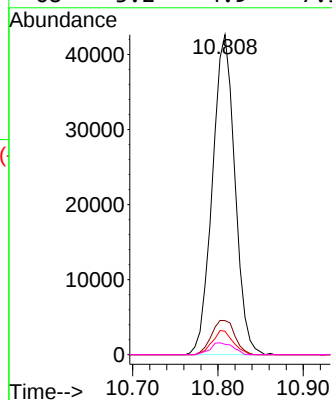
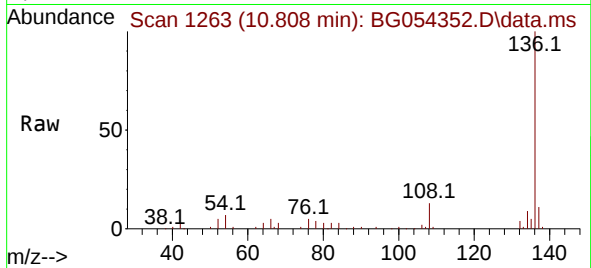




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.808 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

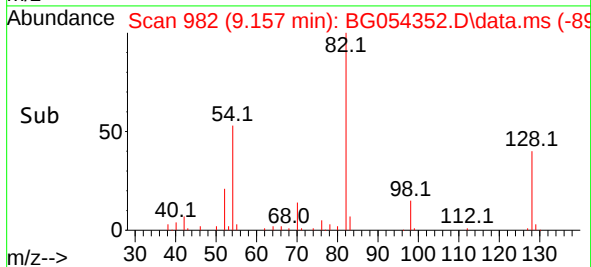
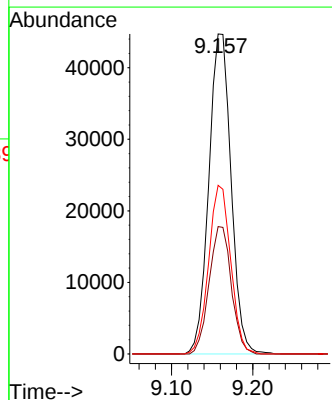
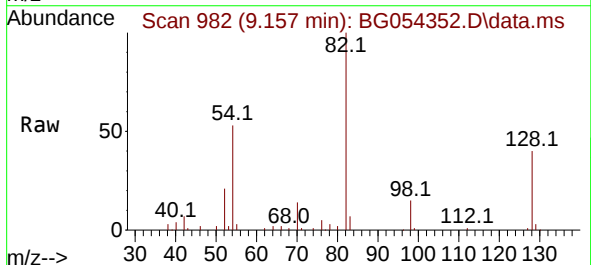
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

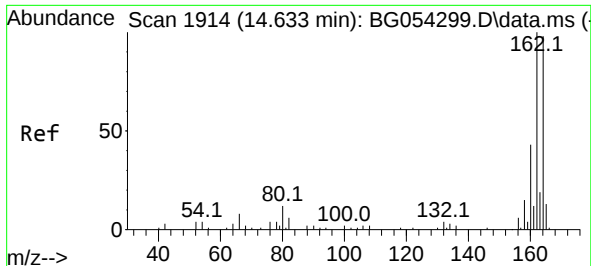
Tgt Ion:	136	Resp:	78082
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	7.4	7.4	11.2#
68	3.2	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 59.324 ng
RT: 9.157 min Scan# 982
Delta R.T. -0.006 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

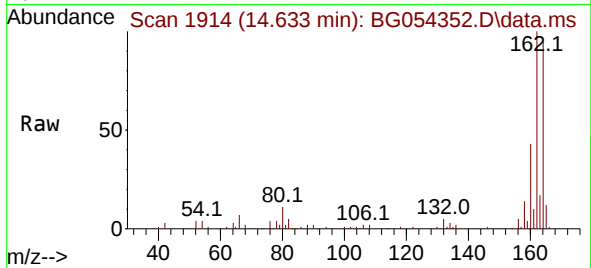
Tgt Ion:	82	Resp:	85061
Ion Ratio	Lower	Upper	
82	100		
128	39.8	27.9	41.9
54	52.7	41.2	61.8



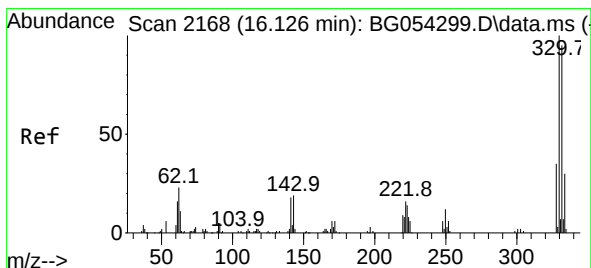
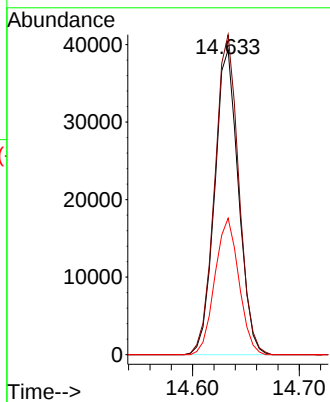
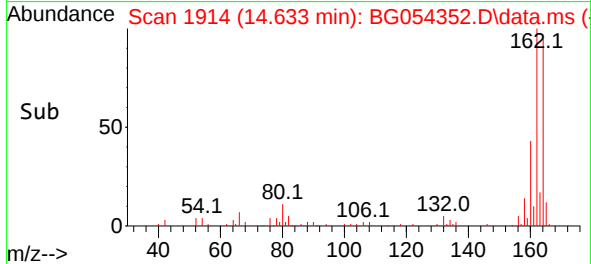


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

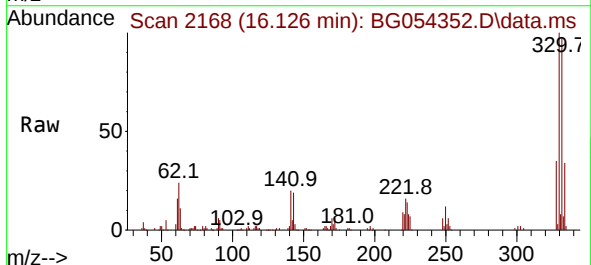
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B



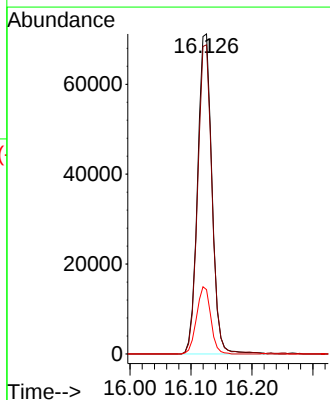
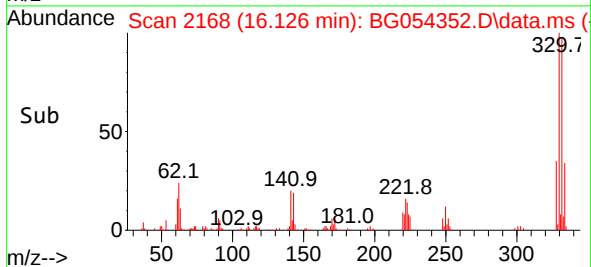
Tgt Ion:164 Resp: 60814
Ion Ratio Lower Upper
164 100
162 104.9 82.3 123.5
160 44.8 34.2 51.2

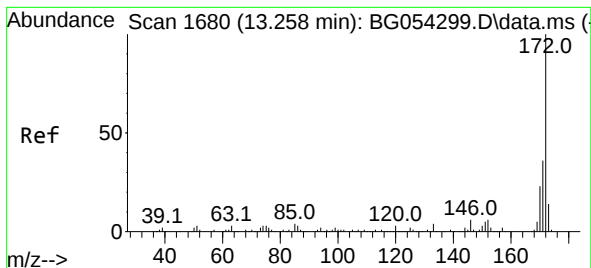


#42
2,4,6-Tribromophenol
Concen: 90.951 ng
RT: 16.126 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54



Tgt Ion:330 Resp: 116132
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 20.7 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 59.593 ng

RT: 13.252 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC3B

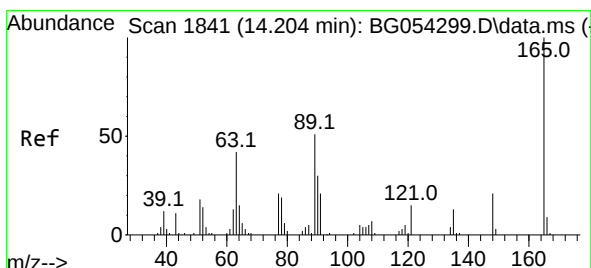
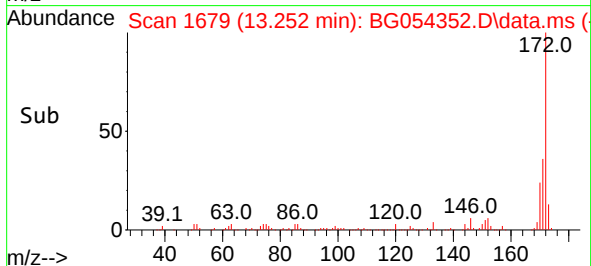
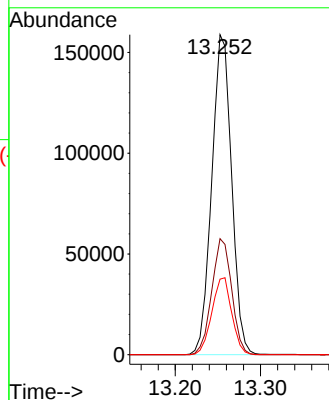
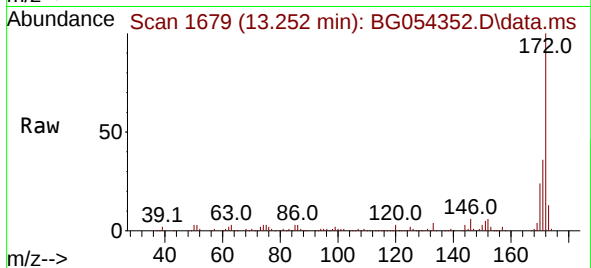
Tgt Ion:172 Resp: 256903

Ion Ratio Lower Upper

172 100

171 36.3 28.5 42.7

170 23.6 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 7.870 ng

RT: 14.633 min Scan# 1914

Delta R.T. 0.429 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

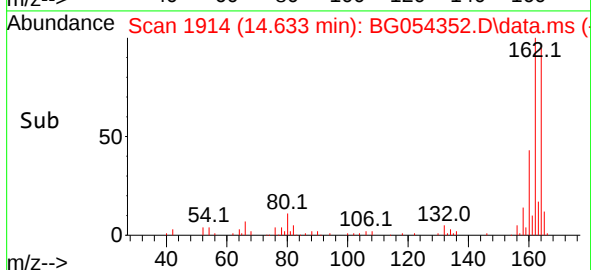
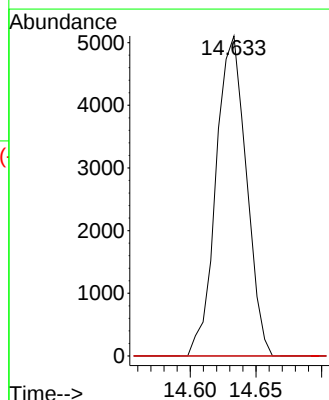
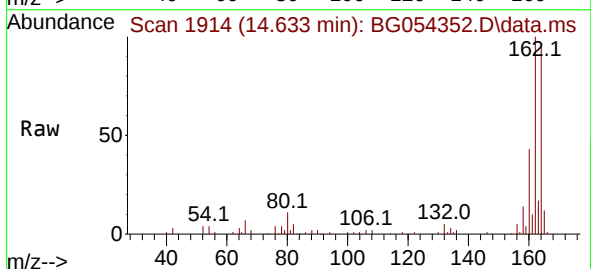
Tgt Ion:165 Resp: 8200

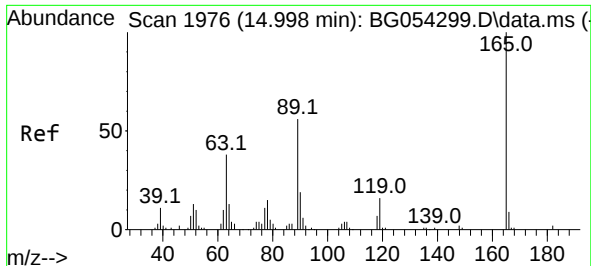
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.490 ng

RT: 14.633 min Scan# 1976

Delta R.T. -0.364 min

Lab File: BG054352.D

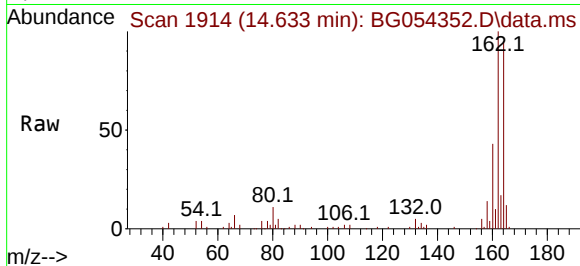
Acq: 21 Jul 2022 19:54

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC3B



Tgt Ion:165 Resp: 8200

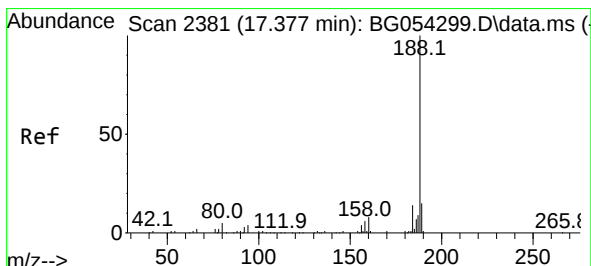
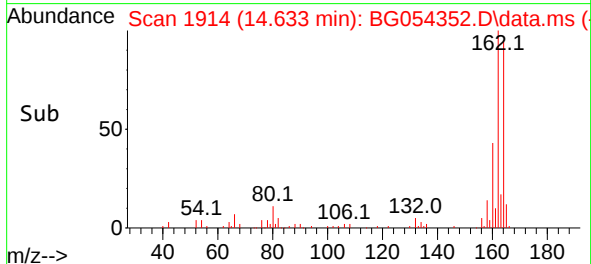
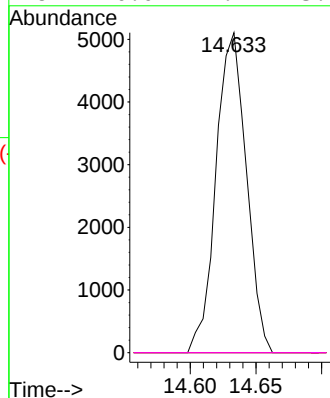
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.377 min Scan# 2381

Delta R.T. 0.000 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

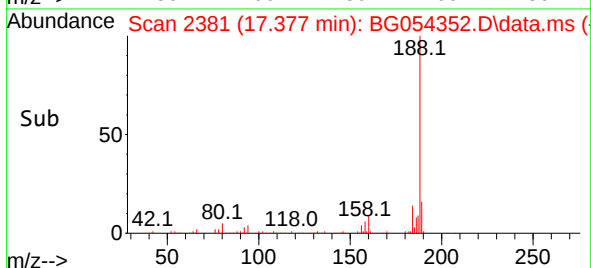
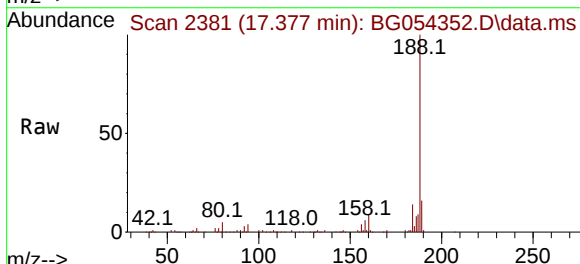
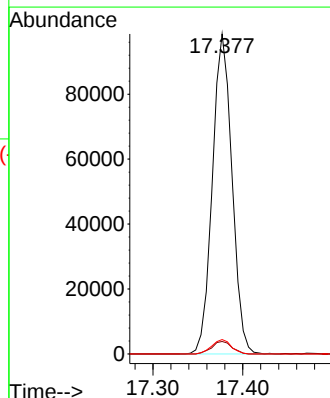
Tgt Ion:188 Resp: 149383

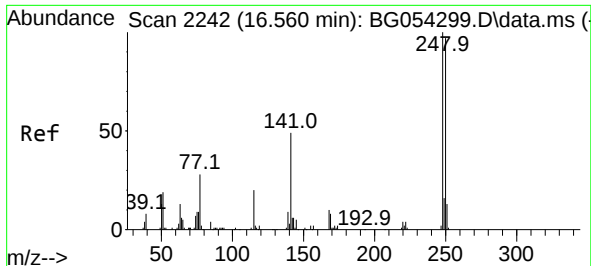
Ion Ratio Lower Upper

188 100

94 3.9 5.4 8.0#

80 4.5 6.8 10.2#

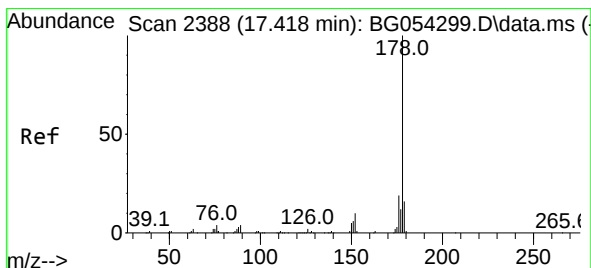
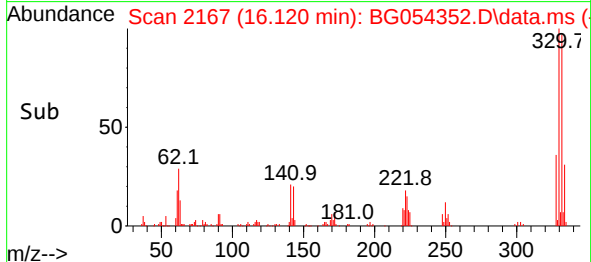
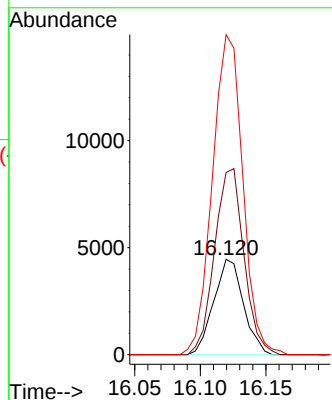
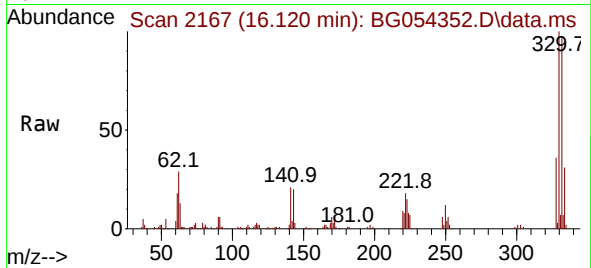




#67
4-Bromophenyl-phenylether
Concen: 3.338 ng
RT: 16.120 min Scan# 2167
Delta R.T. -0.441 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

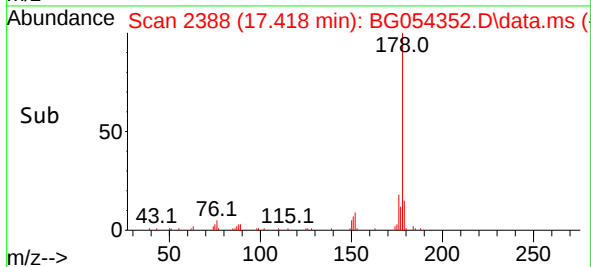
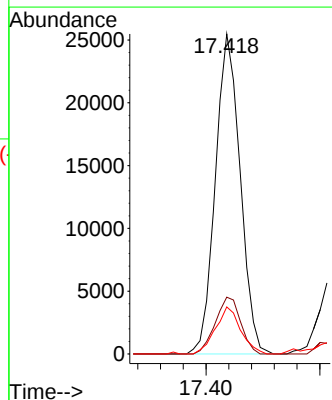
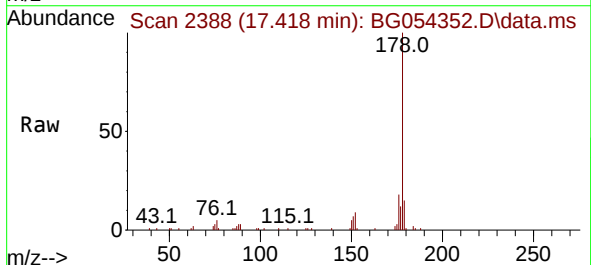
Instrument :
BNA_G
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0718-WC-TP-WC3B

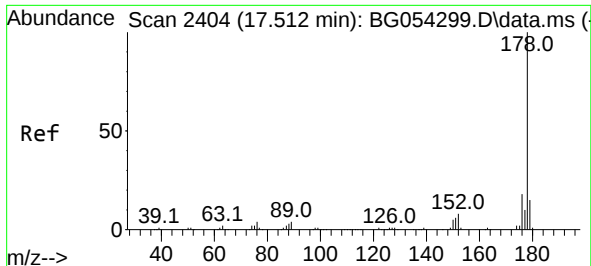
Tgt Ion:248 Resp: 7004
Ion Ratio Lower Upper
248 100
250 152.4 75.2 112.8#
141 267.7 50.0 75.0#



#71
Phenanthrene
Concen: 5.181 ng
RT: 17.418 min Scan# 2388
Delta R.T. -0.000 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion:178 Resp: 38541
Ion Ratio Lower Upper
178 100
176 17.8 14.1 21.1
179 14.7 12.1 18.1

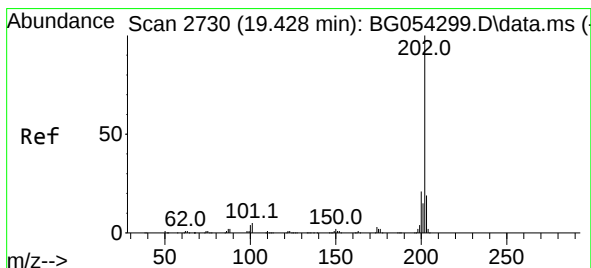
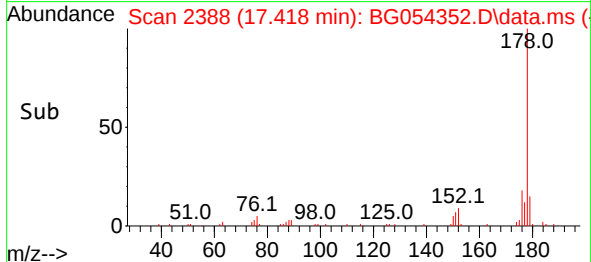
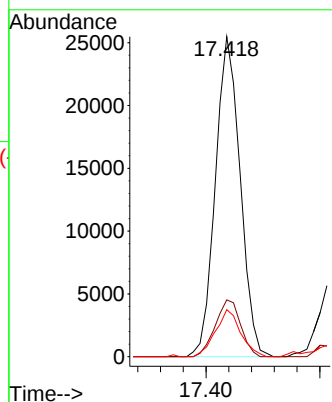
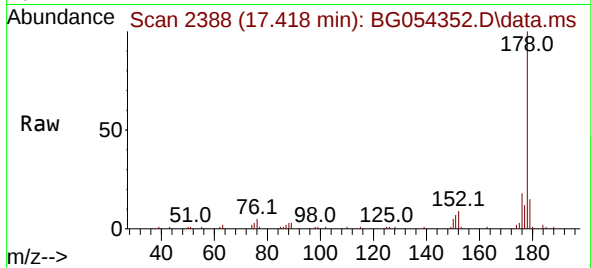




#72
 Anthracene
 Concen: 5.279 ng
 RT: 17.418 min Scan# 21
 Delta R.T. -0.094 min
 Lab File: BG054352.D
 Acq: 21 Jul 2022 19:54

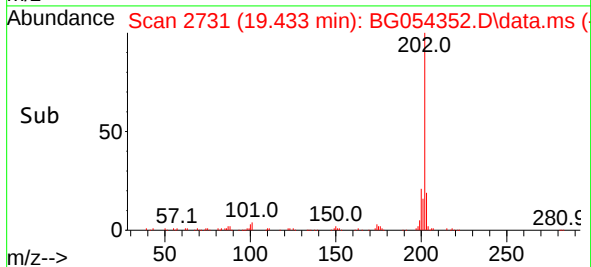
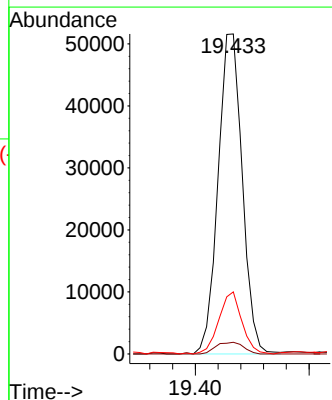
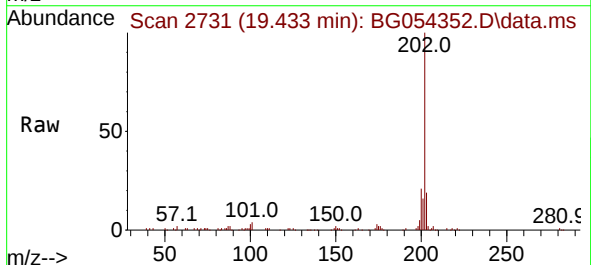
Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC3B

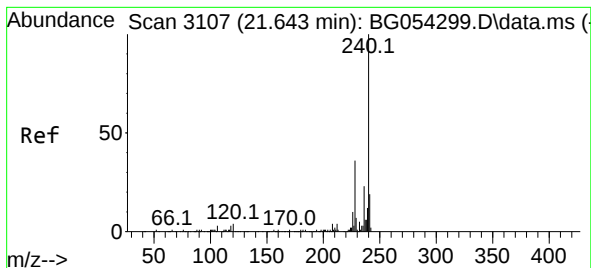
Tgt Ion:178 Resp: 38541
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.2 22.8
 179 14.7 13.0 19.4



#75
 Fluoranthene
 Concen: 7.531 ng
 RT: 19.433 min Scan# 2731
 Delta R.T. 0.006 min
 Lab File: BG054352.D
 Acq: 21 Jul 2022 19:54

Tgt Ion:202 Resp: 76374
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 26.9
 203 19.4 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.643 min Scan# 3107

Delta R.T. -0.000 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC3B

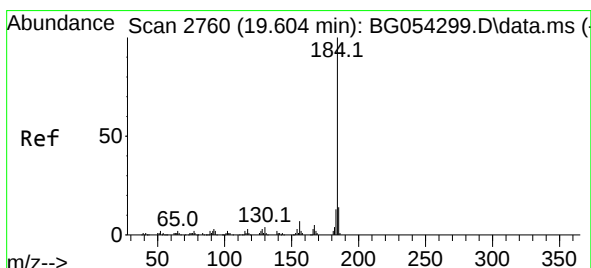
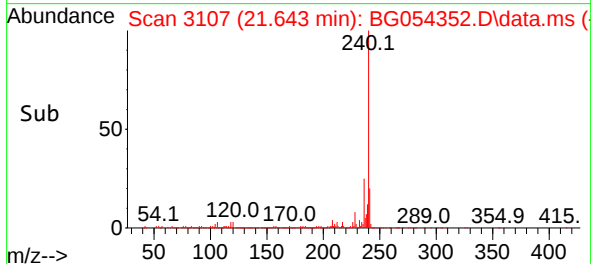
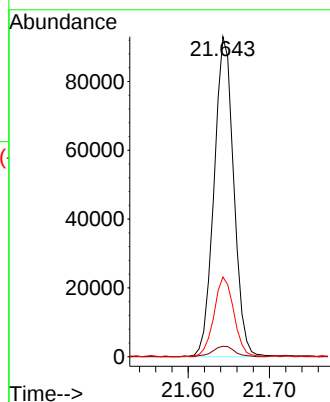
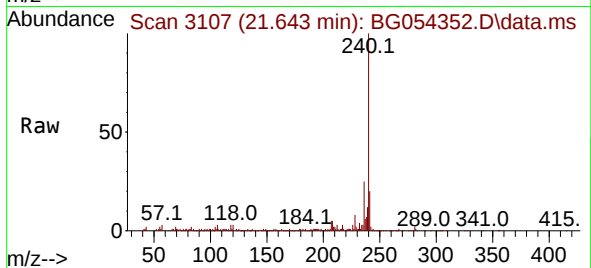
Tgt Ion:240 Resp: 156640

Ion Ratio Lower Upper

240 100

120 3.2 4.6 7.0#

236 24.9 20.2 30.4



#77

Benzidine

Concen: 2.305 ng

RT: 19.986 min Scan# 2825

Delta R.T. 0.382 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

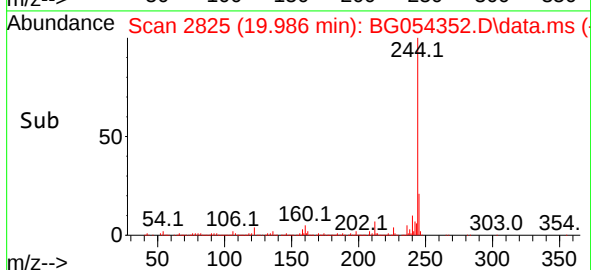
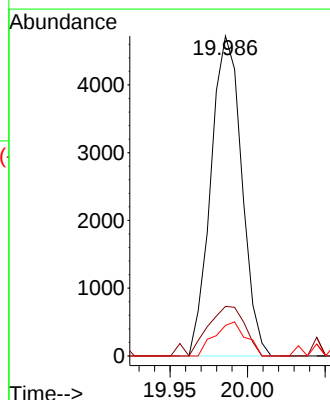
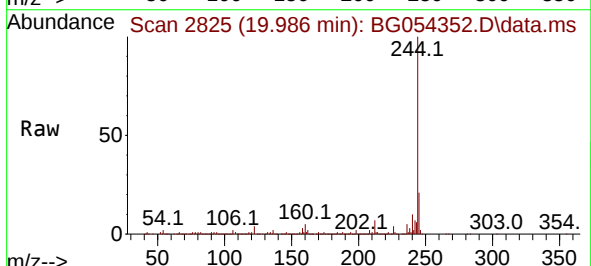
Tgt Ion:184 Resp: 6539

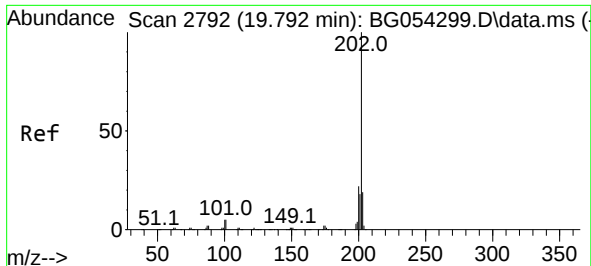
Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

183 9.5 8.9 13.3

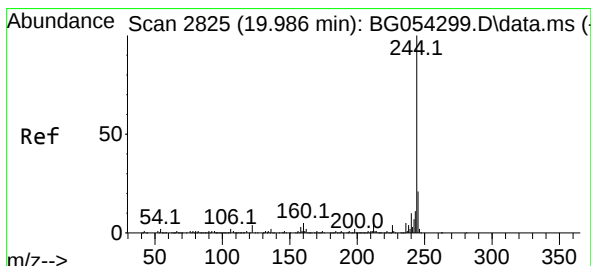
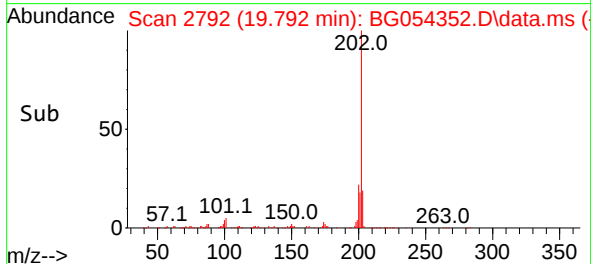
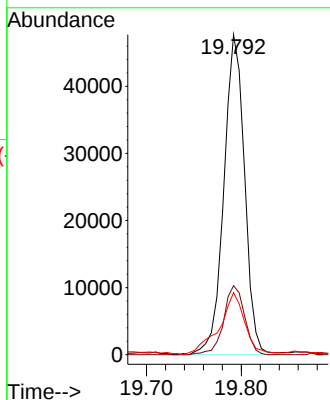
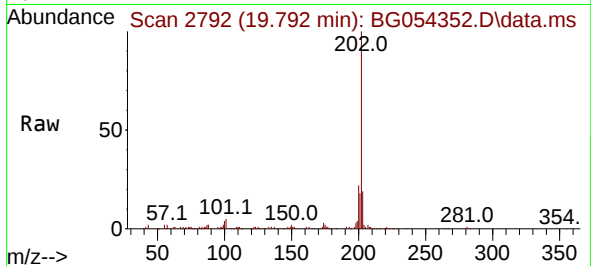




#78
 Pyrene
 Concen: 8.072 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054352.D
 Acq: 21 Jul 2022 19:54

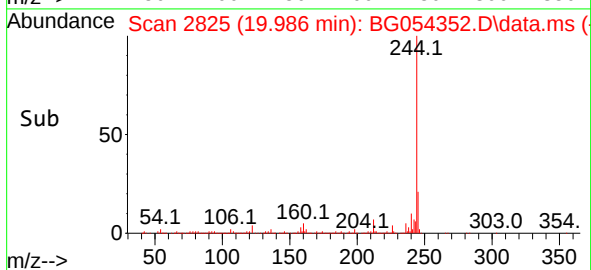
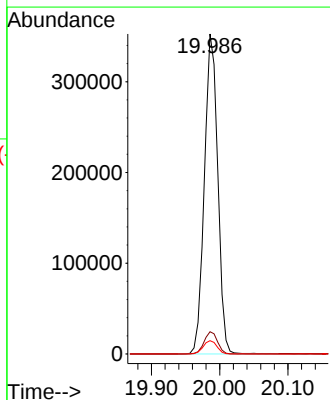
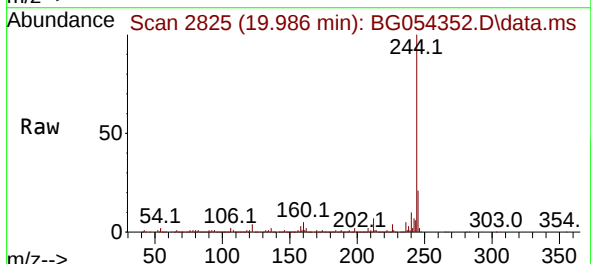
Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC3B

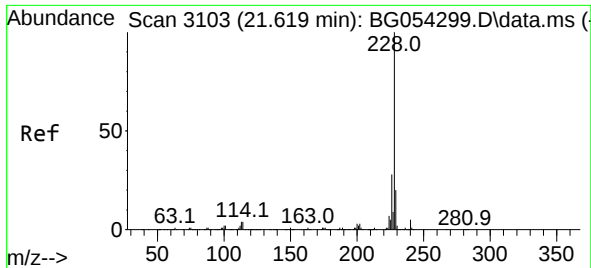
Tgt Ion:	202	Resp:	72546
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.6	24.8
203	19.4	14.6	21.8



#79
 Terphenyl-d14
 Concen: 60.944 ng
 RT: 19.986 min Scan# 2825
 Delta R.T. -0.000 min
 Lab File: BG054352.D
 Acq: 21 Jul 2022 19:54

Tgt Ion:	244	Resp:	481207
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.5	9.7
122	4.2	5.0	7.4

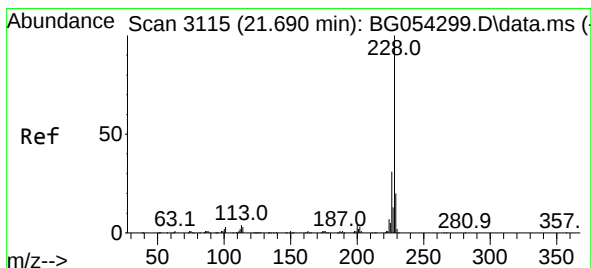
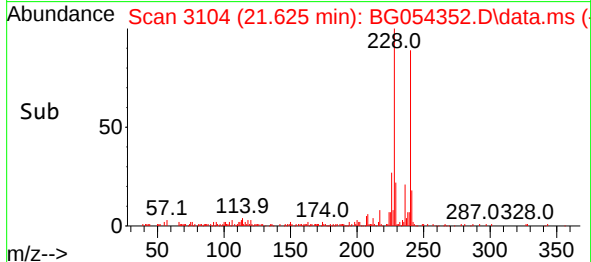
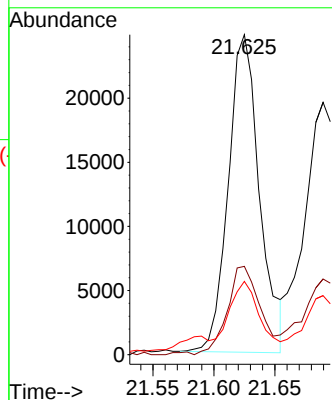
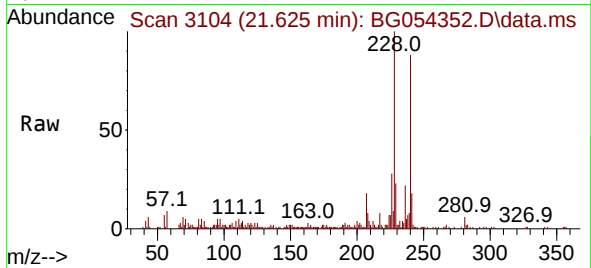




#81
Benzo(a)anthracene
Concen: 4.444 ng
RT: 21.625 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

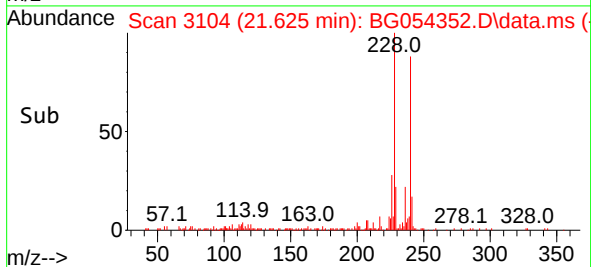
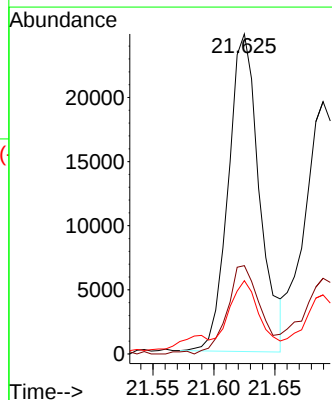
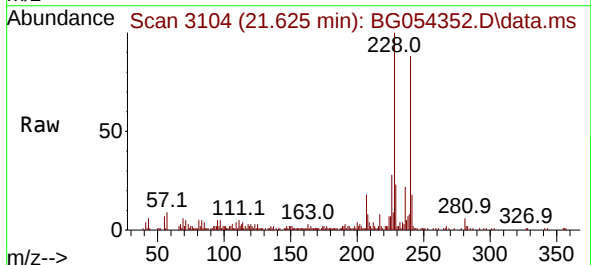
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

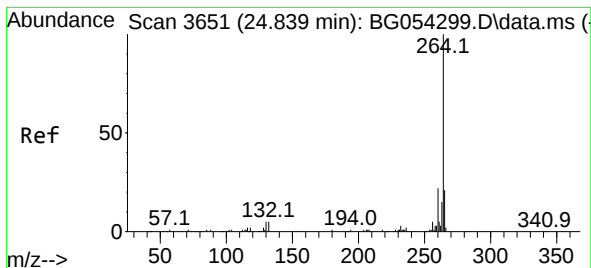
Tgt Ion:228 Resp: 44189
Ion Ratio Lower Upper
228 100
226 27.6 21.6 32.4
229 22.9 16.2 24.2



#83
Chrysene
Concen: 4.704 ng
RT: 21.625 min Scan# 3104
Delta R.T. -0.065 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion:228 Resp: 44189
Ion Ratio Lower Upper
228 100
226 27.6 23.4 35.2
229 22.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.856 min Scan# 30

Delta R.T. 0.018 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC3B

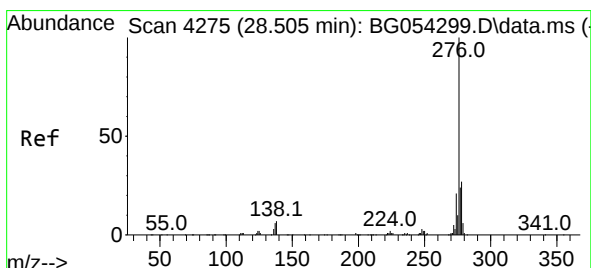
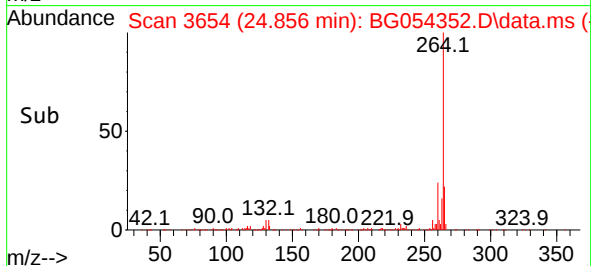
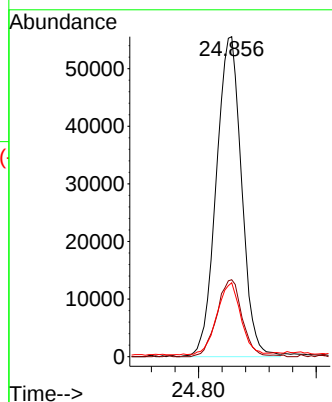
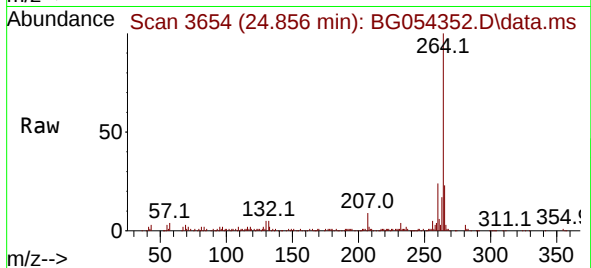
Tgt Ion:264 Resp: 165758

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 23.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.039 ng

RT: 28.517 min Scan# 4277

Delta R.T. 0.012 min

Lab File: BG054352.D

Acq: 21 Jul 2022 19:54

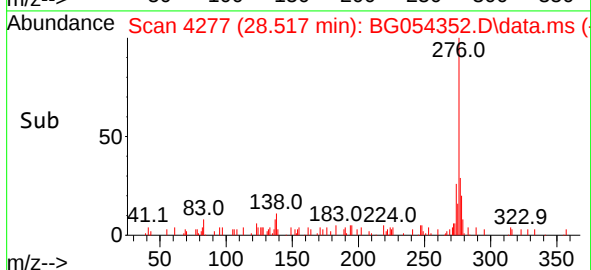
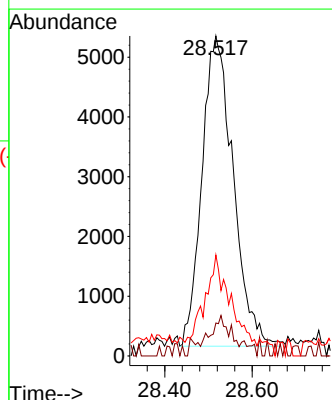
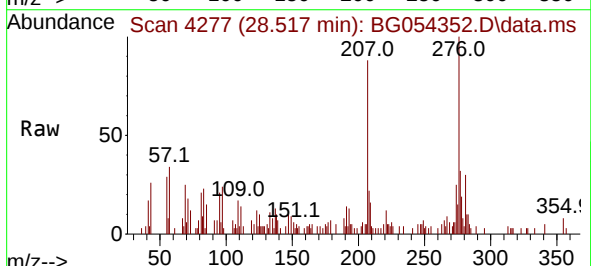
Tgt Ion:276 Resp: 25712

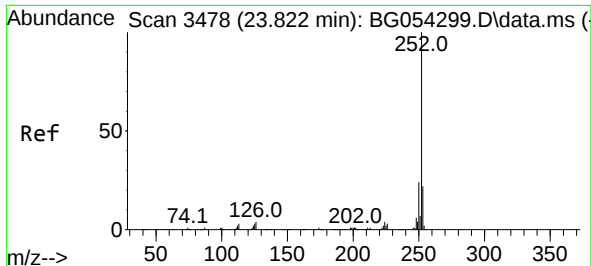
Ion Ratio Lower Upper

276 100

138 5.2 5.0 7.4

277 23.1 20.3 30.5

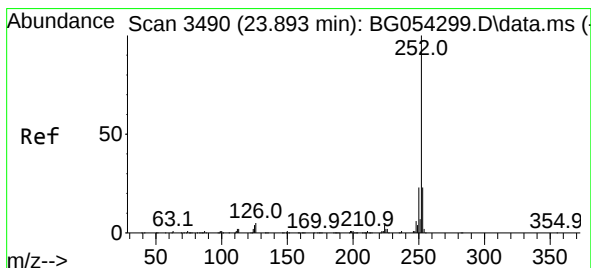
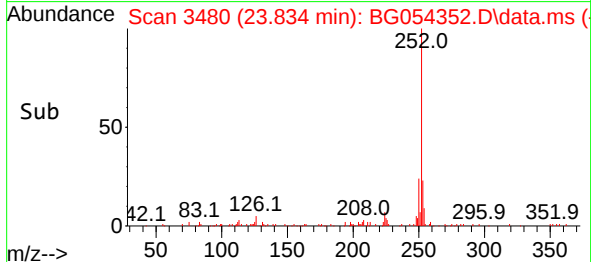
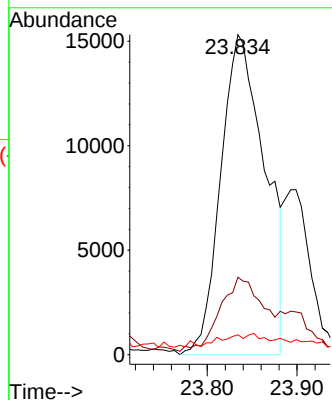
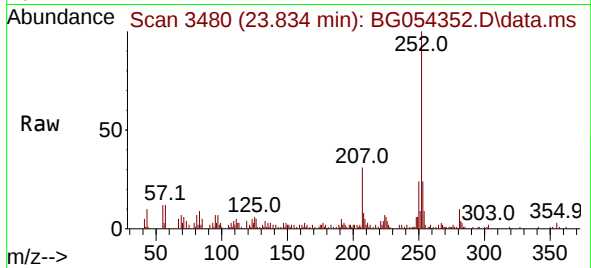




#88
Benzo(b)fluoranthene
Concen: 5.340 ng
RT: 23.834 min Scan# 3478
Delta R.T. 0.012 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

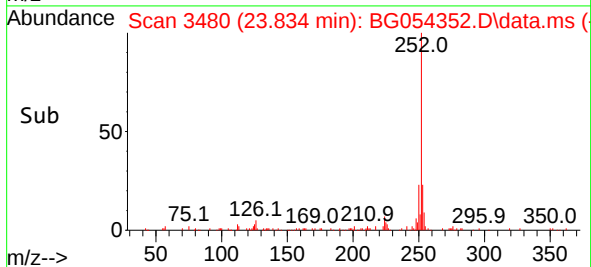
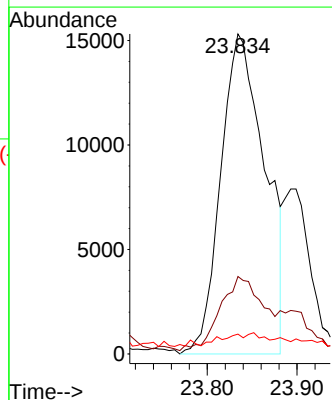
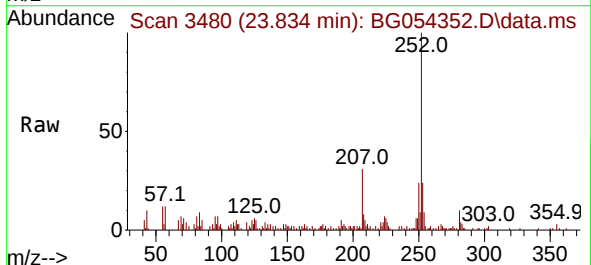
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

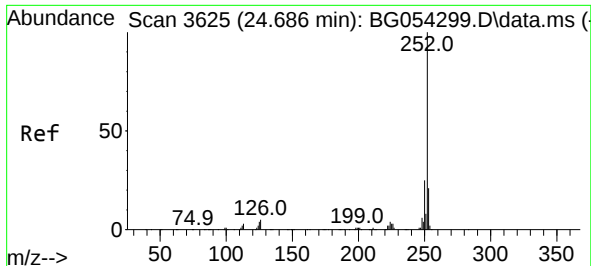
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	6.2	4.6	6.8



#89
Benzo(k)fluoranthene
Concen: 5.366 ng
RT: 23.834 min Scan# 3480
Delta R.T. -0.059 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	6.2	4.8	7.2

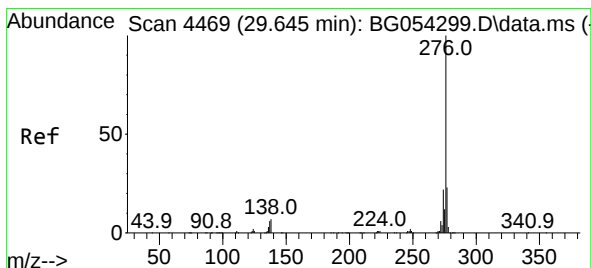
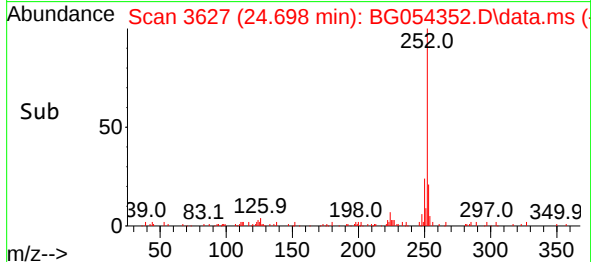
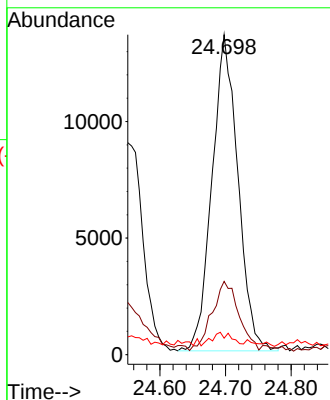
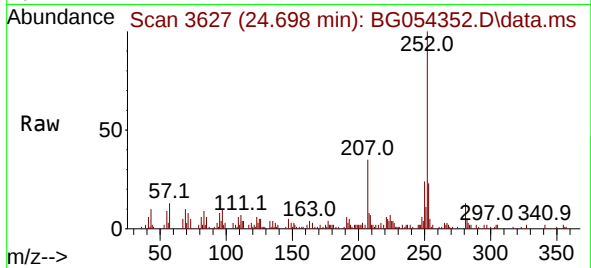




#90
Benzo(a)pyrene
Concen: 4.429 ng
RT: 24.698 min Scan# 30
Delta R.T. 0.012 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC3B

Tgt Ion:252 Resp: 37078
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 5.2 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 2.604 ng
RT: 29.669 min Scan# 4473
Delta R.T. 0.023 min
Lab File: BG054352.D
Acq: 21 Jul 2022 19:54

Tgt Ion:276 Resp: 26650
Ion Ratio Lower Upper
276 100
277 28.2 17.3 25.9#
138 8.7 9.6 14.4#

