

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072122\
 Data File : BG054350.D
 Acq On : 21 Jul 2022 18:29
 Operator : CG/JU
 Sample : N3786-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0718-WC-TP-WC17B

Quant Time: Jul 22 02:37:32 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)

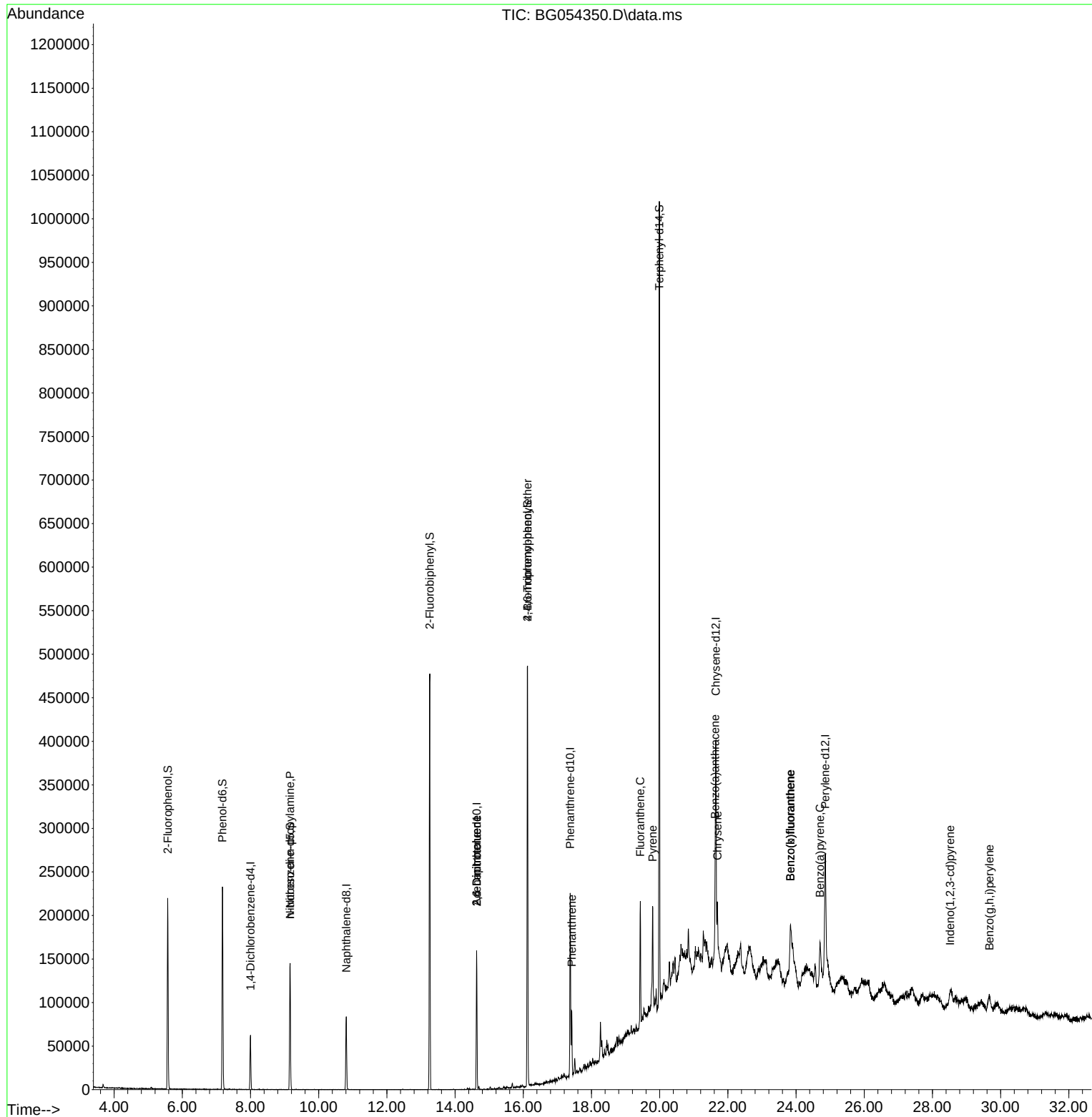
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.999	152	19267	20.000	ng	0.00
21) Naphthalene-d8	10.808	136	75583	20.000	ng	# 0.00
39) Acenaphthene-d10	14.633	164	61015	20.000	ng	0.00
64) Phenanthrene-d10	17.376	188	147154	20.000	ng	# 0.00
76) Chrysene-d12	21.648	240	162579	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	172650	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	98539	106.783	ng	0.00
7) Phenol-d6	7.177	99	132585	104.855	ng	0.00
23) Nitrobenzene-d5	9.163	82	88966	64.099	ng	0.00
42) 2,4,6-Tribromophenol	16.125	330	130987	102.247	ng	0.00
45) 2-Fluorobiphenyl	13.258	172	277909	64.254	ng	0.00
79) Terphenyl-d14	19.991	244	532760	65.008	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.188	77	141	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.163	70	12811	15.172	ng	# 82
51) 2,6-Dinitrotoluene	14.633	165	8619	8.245	ng	# 16
57) 2,4-Dinitrotoluene	14.633	165	8619	5.751	ng	# 21
67) 4-Bromophenyl-phenylether	16.125	248	7543	3.650	ng	# 1
71) Phenanthrene	17.423	178	53766	7.337	ng	98
75) Fluoranthene	19.433	202	99487	9.959	ng	96
78) Pyrene	19.791	202	87507	9.380	ng	97
81) Benzo(a)anthracene	21.624	228	57598	5.581	ng	96
83) Chrysene	21.695	228	48564	4.981	ng	95
87) Indeno(1,2,3-cd)pyrene	28.522	276	34370	2.617	ng	97
88) Benzo(b)fluoranthene	23.834	252	66872	6.549	ng	# 97
89) Benzo(k)fluoranthene	23.834	252	66872	6.581	ng	# 97
90) Benzo(a)pyrene	24.703	252	49564	5.684	ng	# 90
92) Benzo(g,h,i)perylene	29.674	276	34469	3.234	ng	# 88

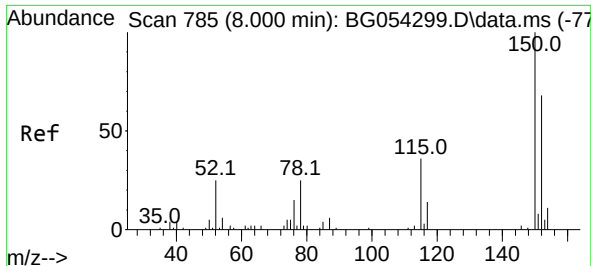
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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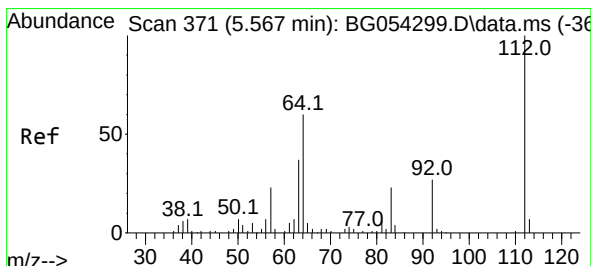
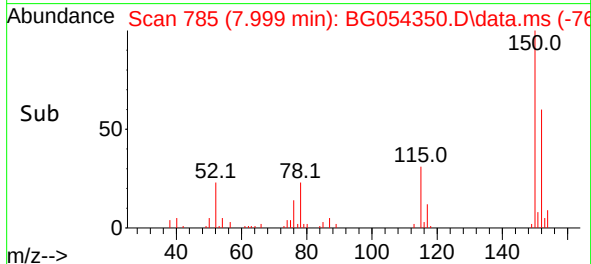
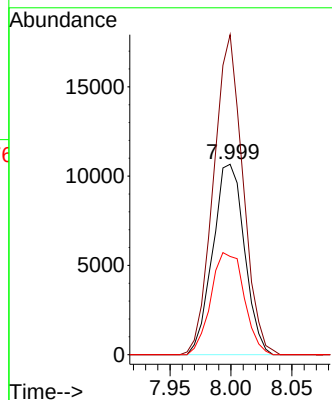
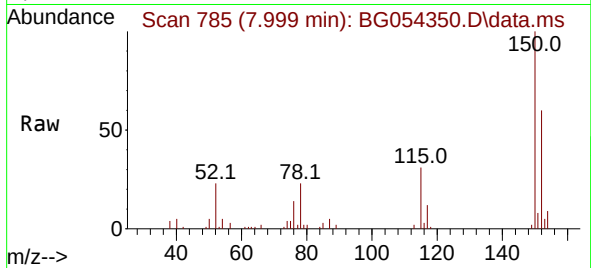




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.999 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

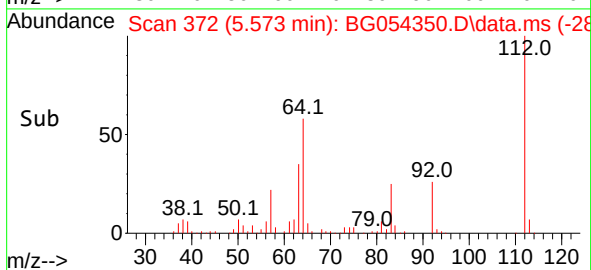
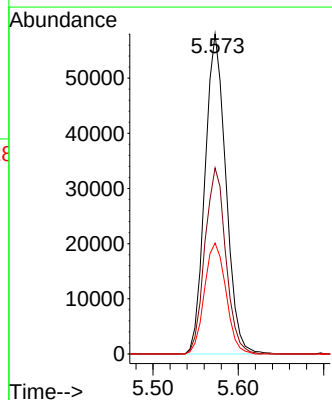
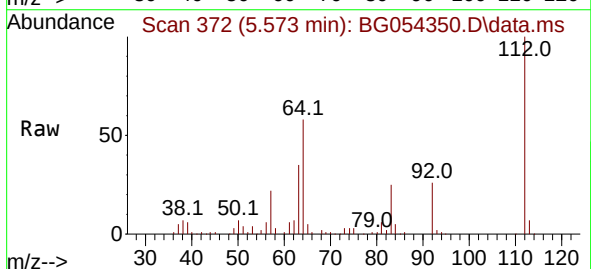
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

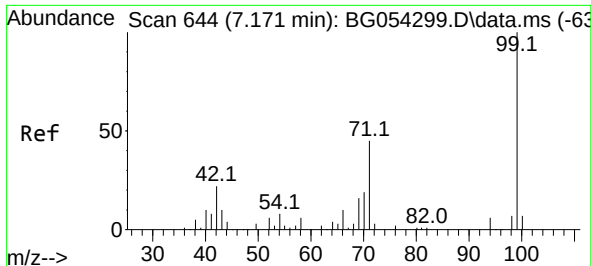
Tgt Ion:152 Resp: 19267
Ion Ratio Lower Upper
152 100
150 168.0 131.6 197.4
115 51.5 50.9 76.3



#5
2-Fluorophenol
Concen: 106.783 ng
RT: 5.573 min Scan# 372
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:112 Resp: 98539
Ion Ratio Lower Upper
112 100
64 58.1 55.1 82.7
63 34.7 30.4 45.6

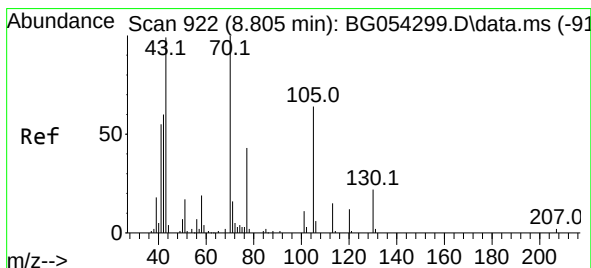
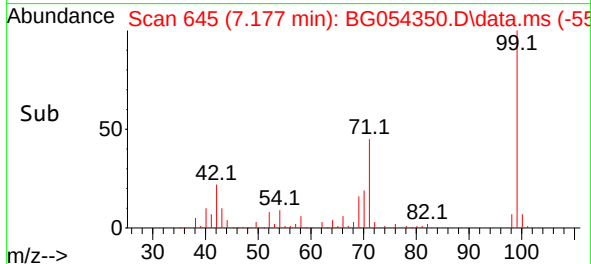
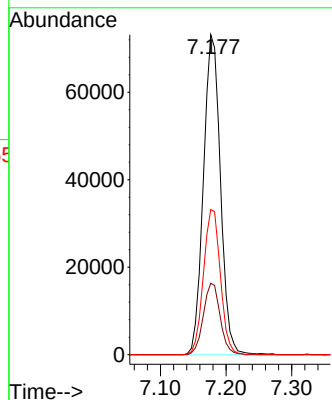
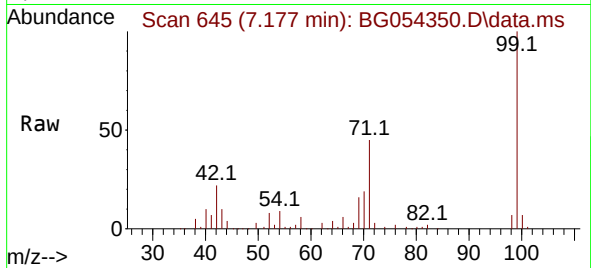




#7
Phenol-d6
Concen: 104.855 ng
RT: 7.177 min Scan# 64
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

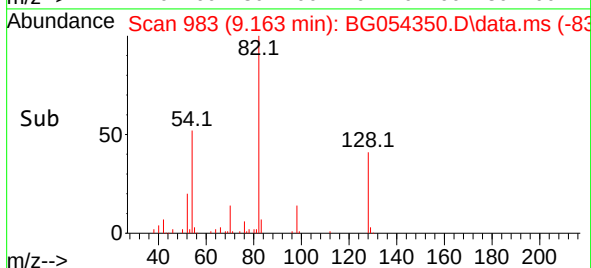
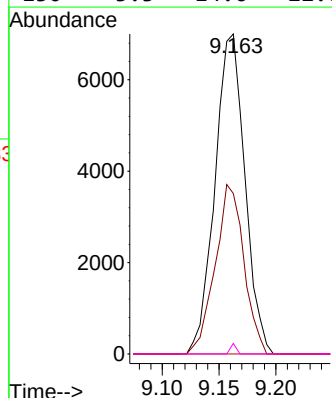
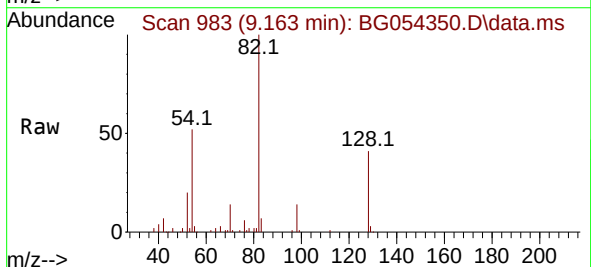
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

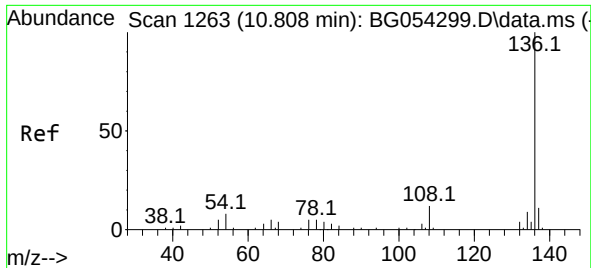
Tgt Ion: 99 Resp: 132585
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 45.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.172 ng
RT: 9.163 min Scan# 983
Delta R.T. 0.358 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion: 70 Resp: 12811
Ion Ratio Lower Upper
70 100
42 50.2 47.3 70.9
101 0.0 7.0 10.4#
130 3.3 14.6 22.0#

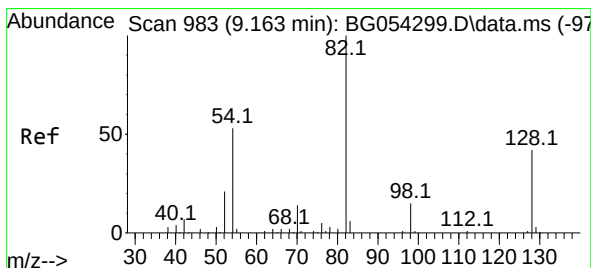
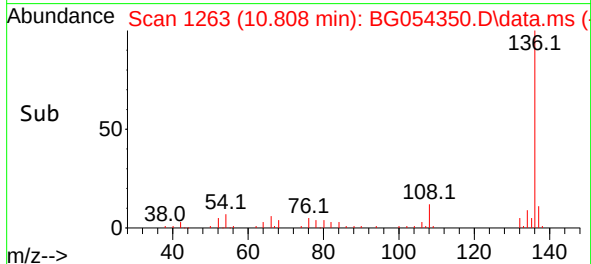
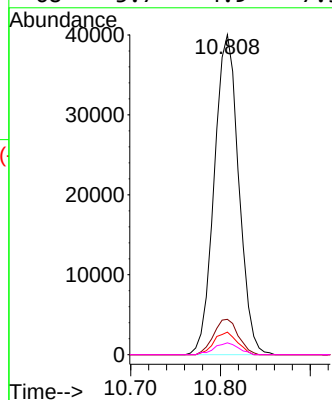
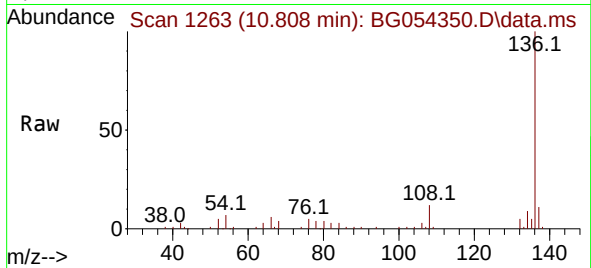




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.808 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

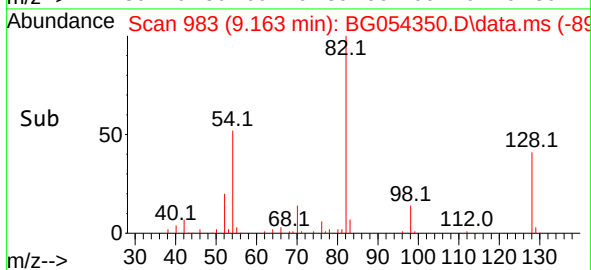
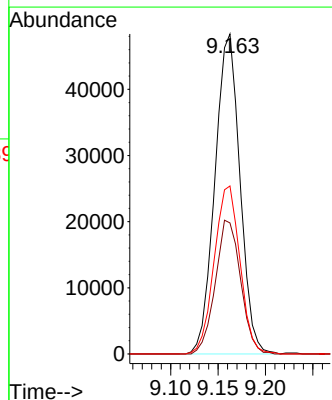
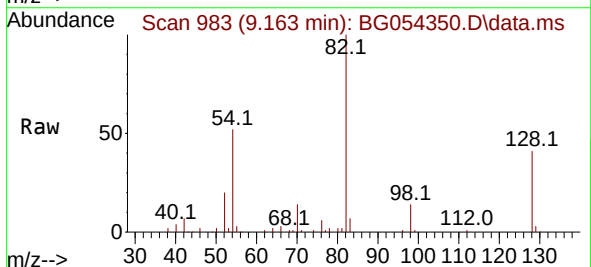
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

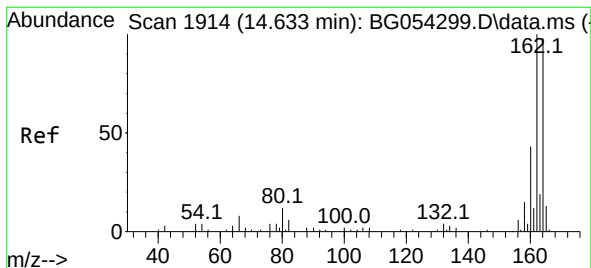
Tgt Ion:	136	Resp:	75583
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.0	7.4	11.2#
68	3.7	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 64.099 ng
RT: 9.163 min Scan# 983
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:	82	Resp:	88966
Ion Ratio	Lower	Upper	
82	100		
128	40.9	27.9	41.9
54	52.5	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: BG054350.D

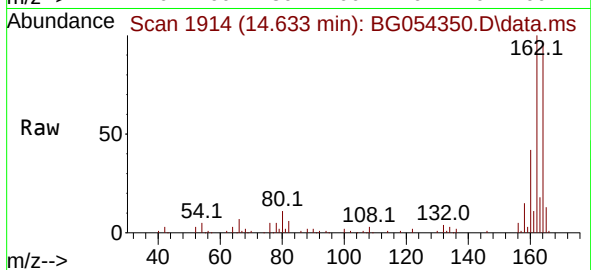
Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B



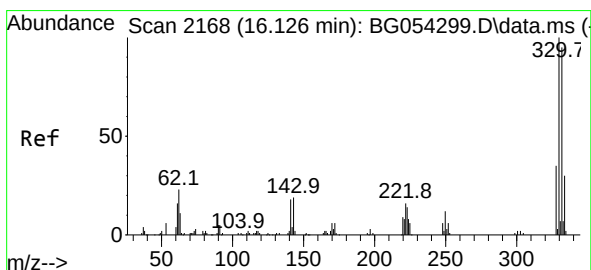
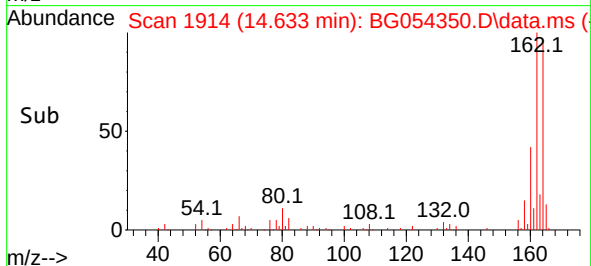
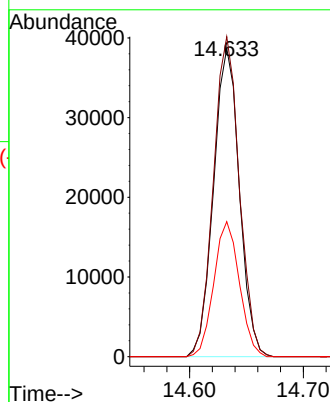
Tgt Ion:164 Resp: 61015

Ion Ratio Lower Upper

164 100

162 103.8 82.3 123.5

160 43.8 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 102.247 ng

RT: 16.125 min Scan# 2168

Delta R.T. -0.001 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

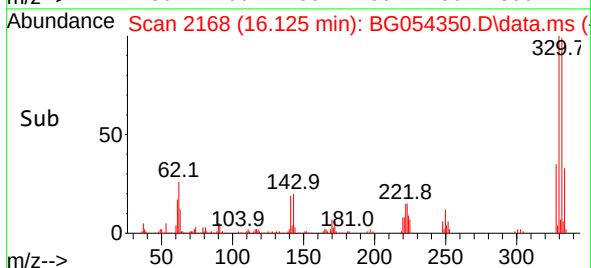
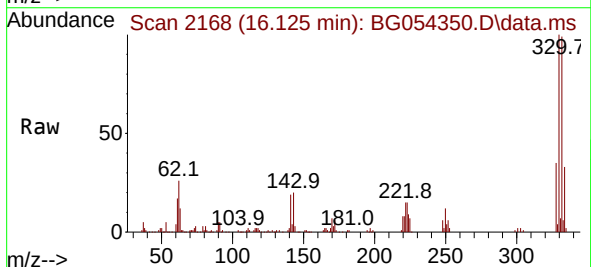
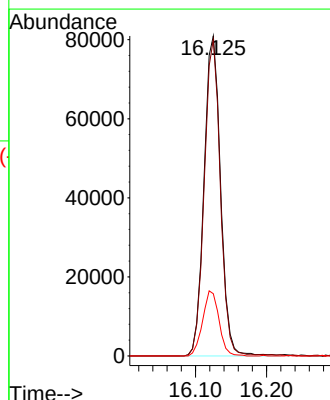
Tgt Ion:330 Resp: 130987

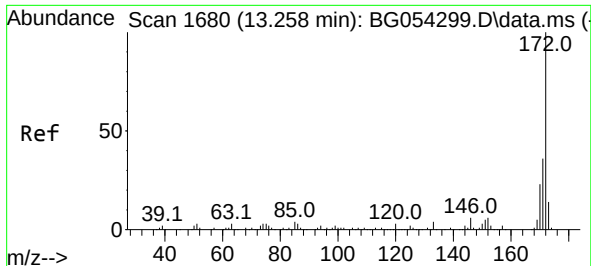
Ion Ratio Lower Upper

330 100

332 95.8 76.0 114.0

141 20.1 27.1 40.7#

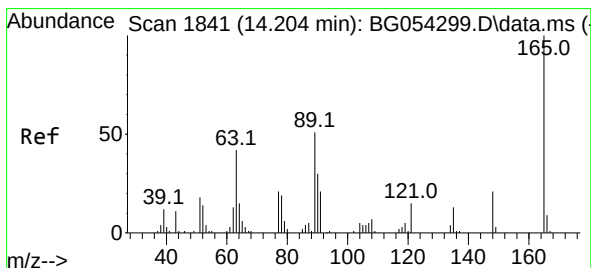
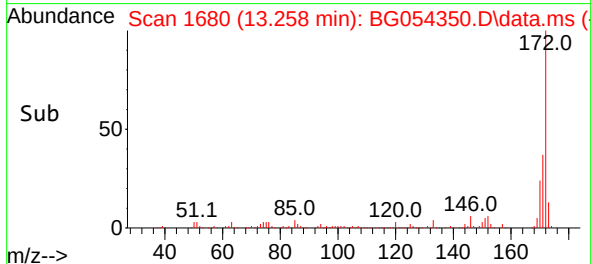
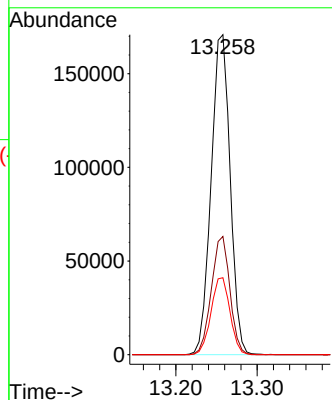
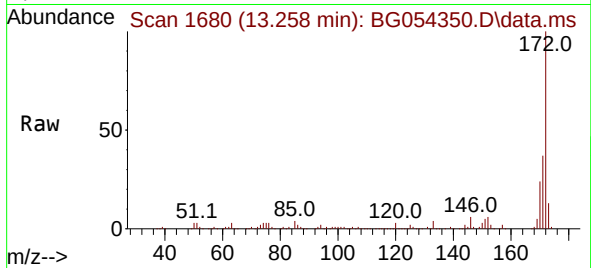




#45
2-Fluorobiphenyl
Concen: 64.254 ng
RT: 13.258 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

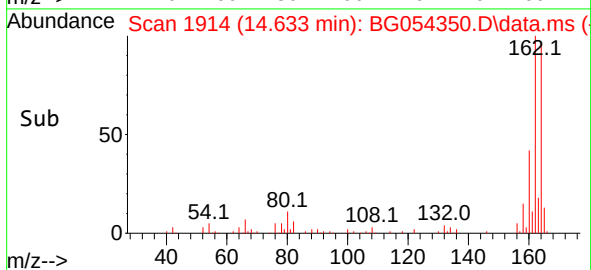
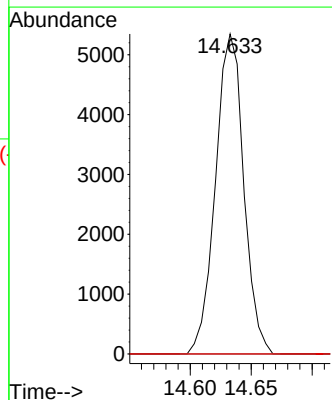
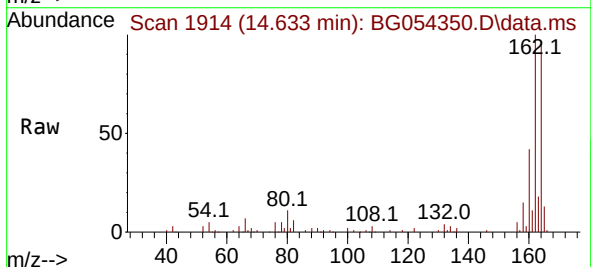
Instrument :
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ClientSampleId :
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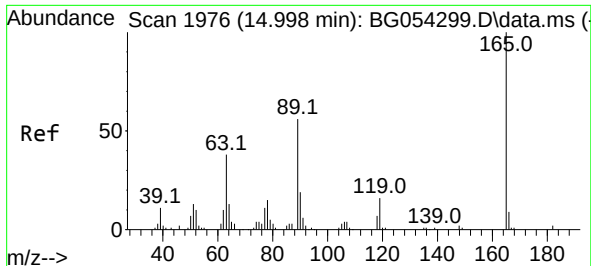
Tgt Ion:172 Resp: 277909
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.245 ng
RT: 14.633 min Scan# 1914
Delta R.T. 0.428 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:165 Resp: 8619
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: 5.751 ng

RT: 14.633 min Scan# 1976

Delta R.T. -0.365 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B

Tgt Ion:165 Resp: 8619

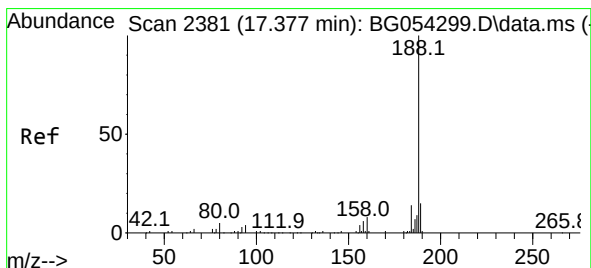
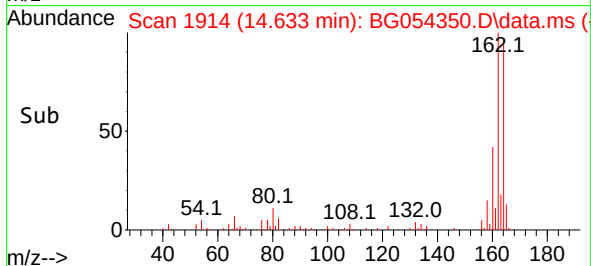
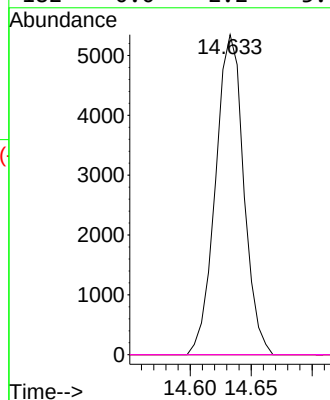
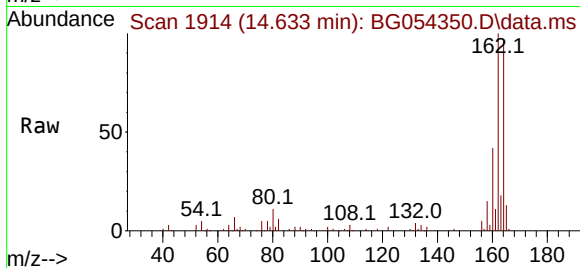
Ion Ratio Lower Upper

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: 17.376 min Scan# 2381

Delta R.T. -0.001 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

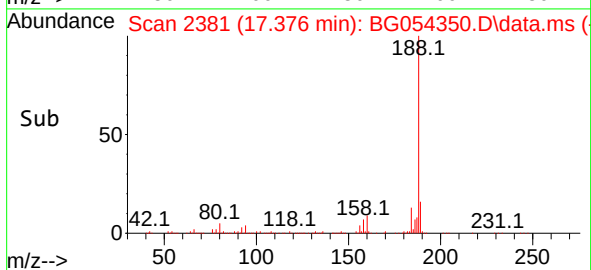
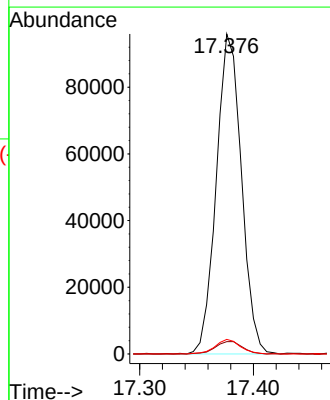
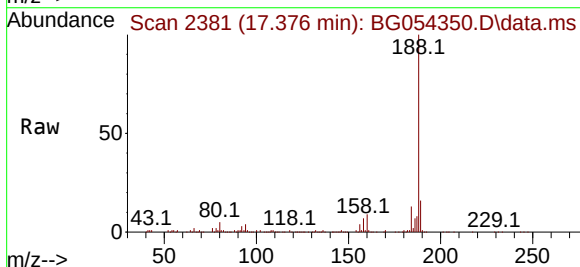
Tgt Ion:188 Resp: 147154

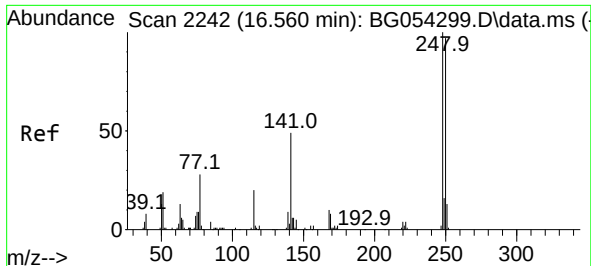
Ion Ratio Lower Upper

188 100

94 3.9 5.4 8.0#

80 4.5 6.8 10.2#

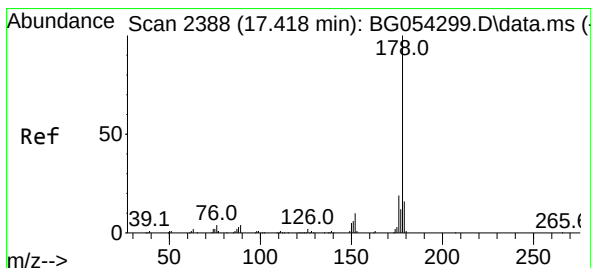
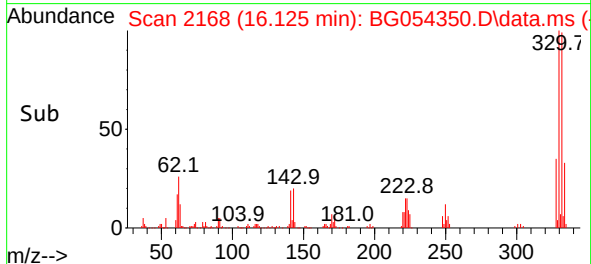
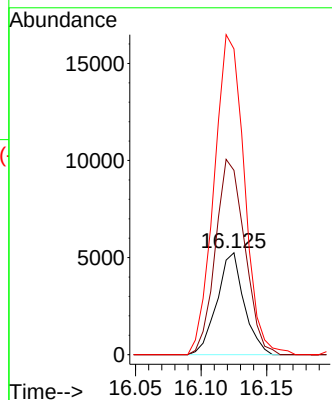
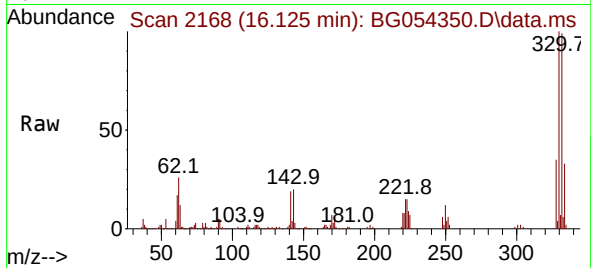




#67
4-Bromophenyl-phenylether
Concen: 3.650 ng
RT: 16.125 min Scan# 2168
Delta R.T. -0.435 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

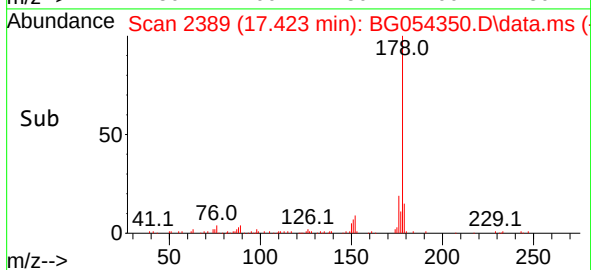
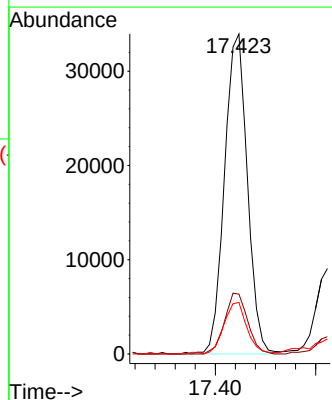
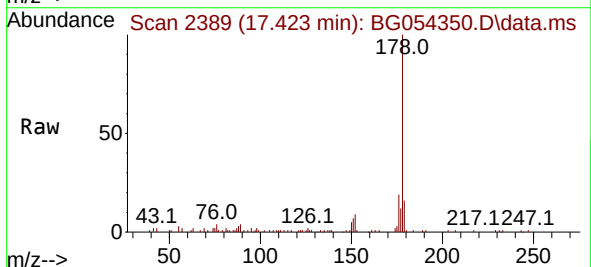
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

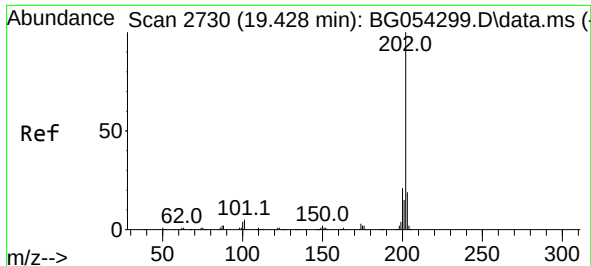
Tgt Ion:248 Resp: 7543
Ion Ratio Lower Upper
248 100
250 242.2 75.2 112.8#
141 299.9 50.0 75.0#



#71
Phenanthrene
Concen: 7.337 ng
RT: 17.423 min Scan# 2389
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:178 Resp: 53766
Ion Ratio Lower Upper
178 100
176 18.7 14.1 21.1
179 16.1 12.1 18.1

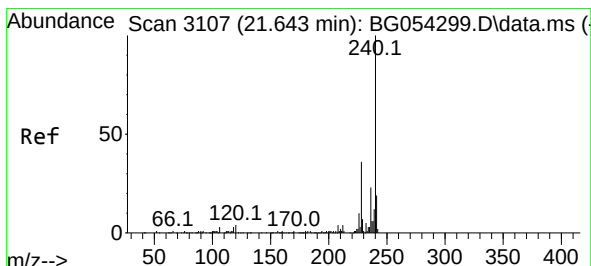
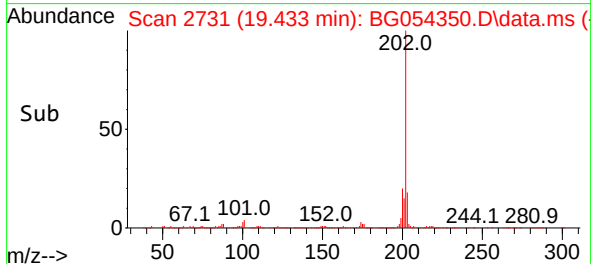
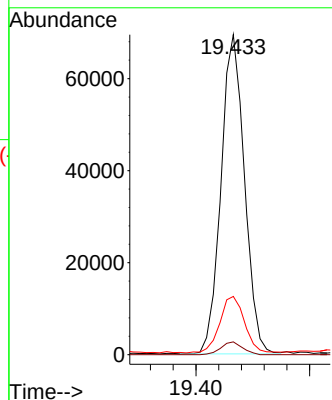
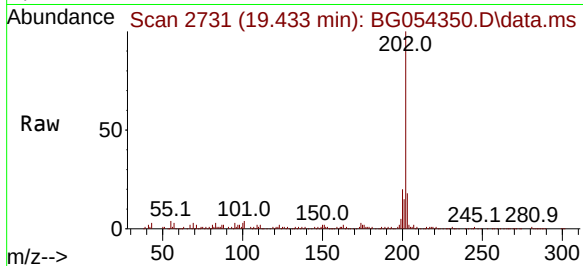




#75
Fluoranthene
Concen: 9.959 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

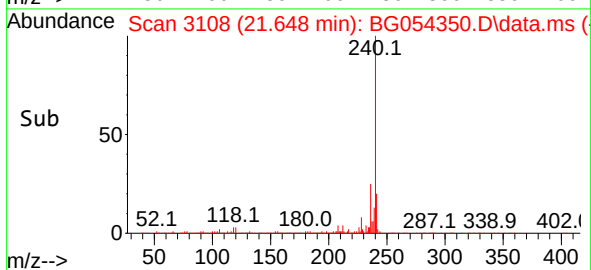
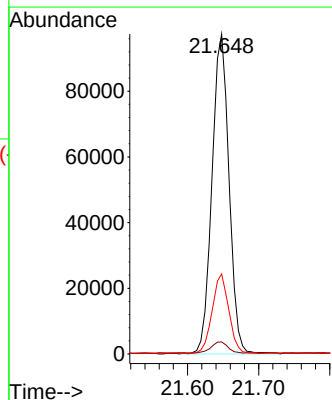
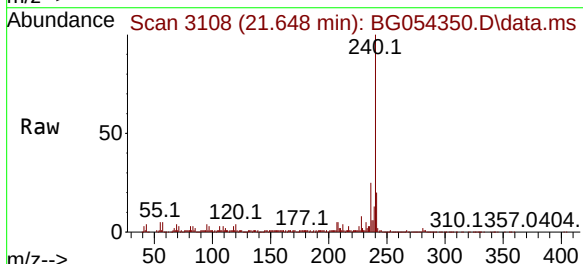
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

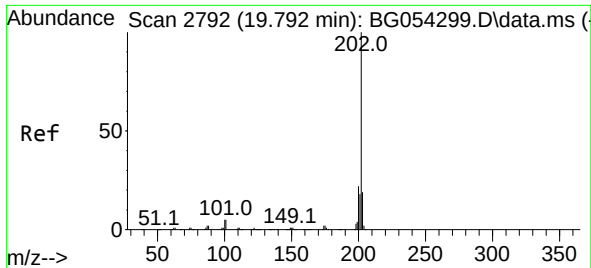
Tgt Ion:202 Resp: 99487
Ion Ratio Lower Upper
202 100
101 4.0 0.0 26.9
203 18.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3108
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:240 Resp: 162579
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4

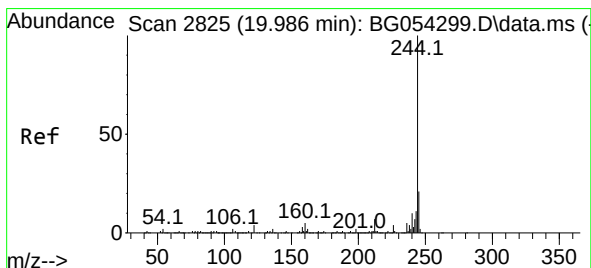
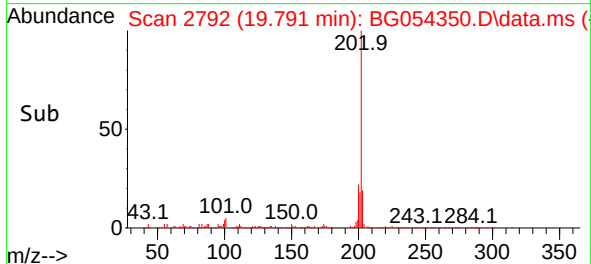
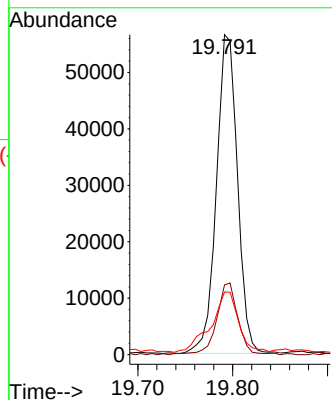
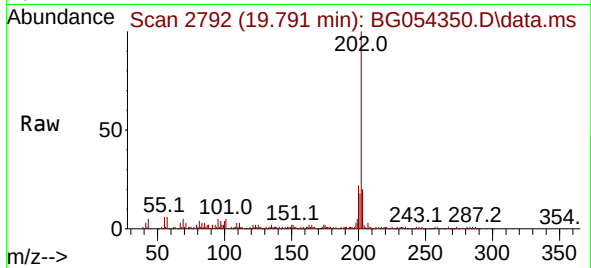




#78
Pyrene
Concen: 9.380 ng
RT: 19.791 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

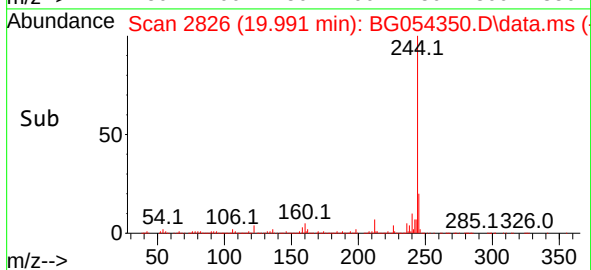
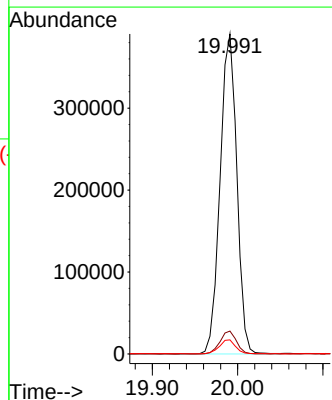
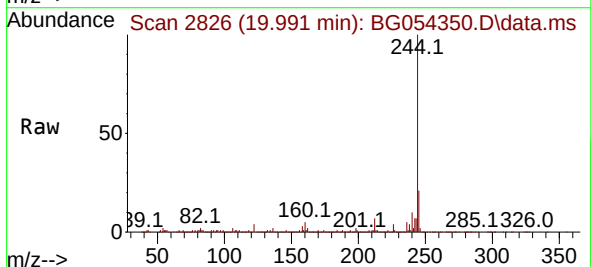
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

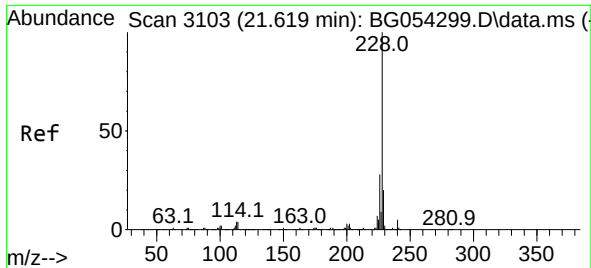
Tgt Ion:202 Resp: 87507
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.6 14.6 21.8



#79
Terphenyl-d14
Concen: 65.008 ng
RT: 19.991 min Scan# 2826
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:244 Resp: 532760
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.4 5.0 7.4#

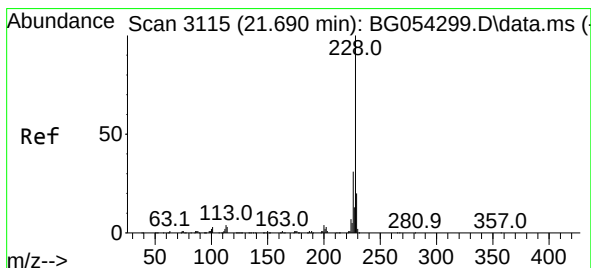
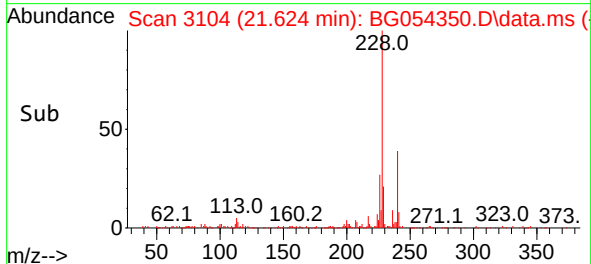
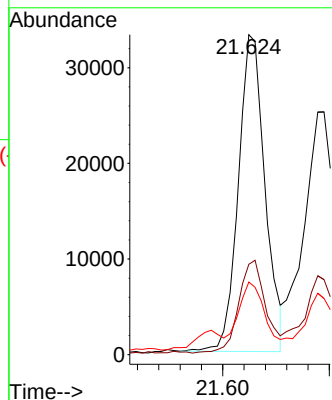
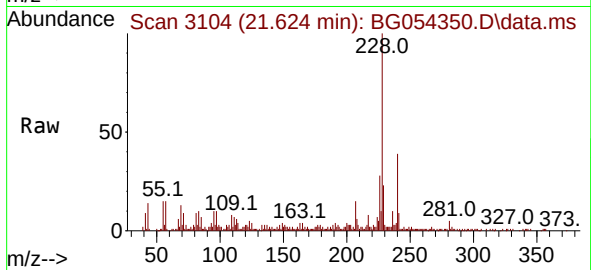




#81
Benzo(a)anthracene
Concen: 5.581 ng
RT: 21.624 min Scan# 3104
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

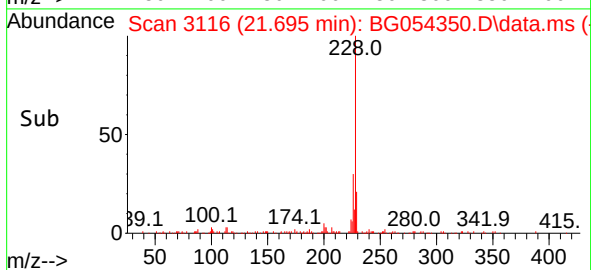
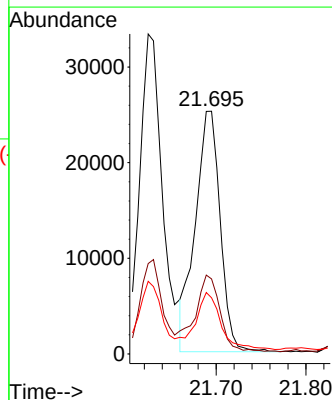
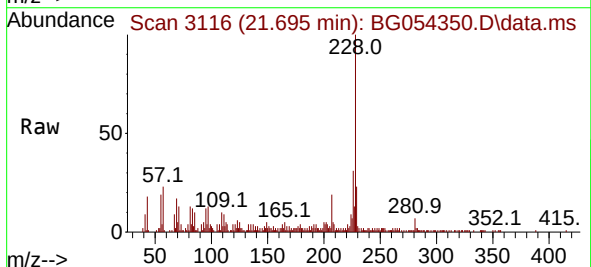
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

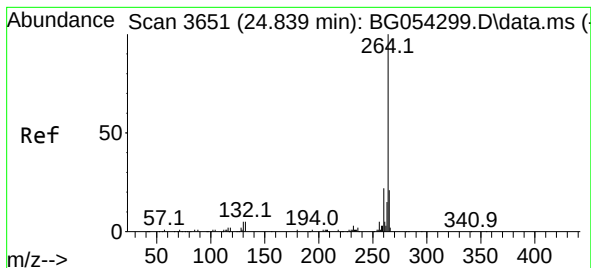
Tgt Ion:	228	Resp:	57598
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.6	32.4
229	22.7	16.2	24.2



#83
Chrysene
Concen: 4.981 ng
RT: 21.695 min Scan# 3116
Delta R.T. 0.005 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:	228	Resp:	48564
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.4	35.2
229	23.1	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.856 min Scan# 3

Delta R.T. 0.017 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

Instrument :

BNA_G

ClientSampleId :

0718-WC-TP-WC17B

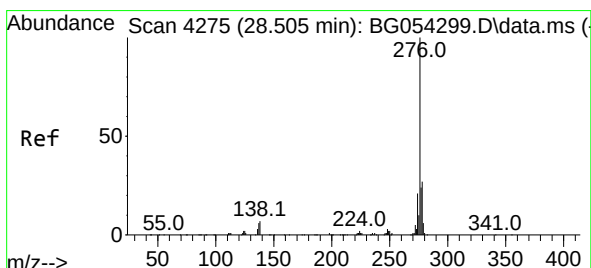
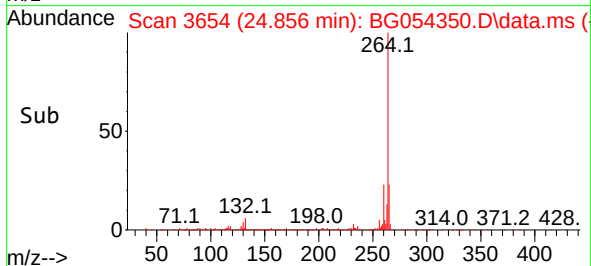
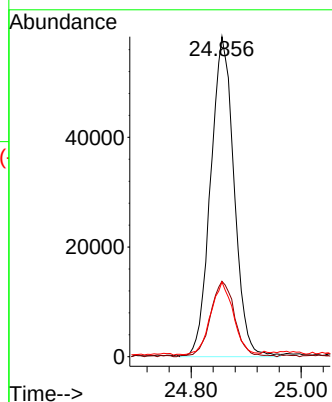
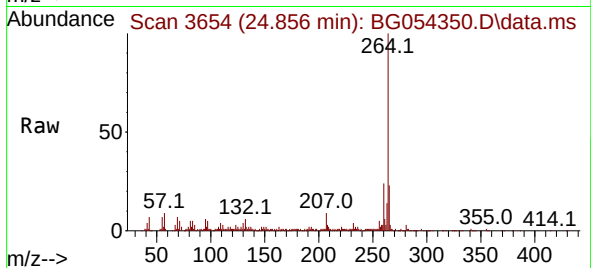
Tgt Ion:264 Resp: 172650

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 23.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.617 ng

RT: 28.522 min Scan# 4278

Delta R.T. 0.017 min

Lab File: BG054350.D

Acq: 21 Jul 2022 18:29

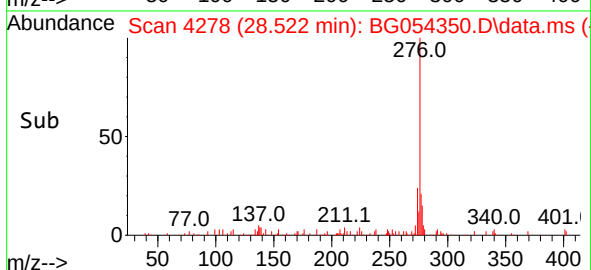
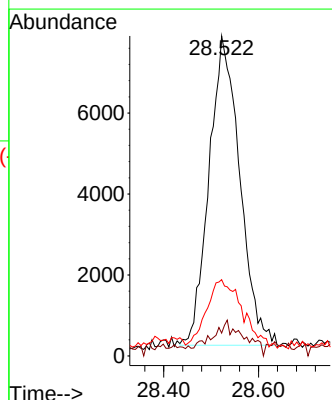
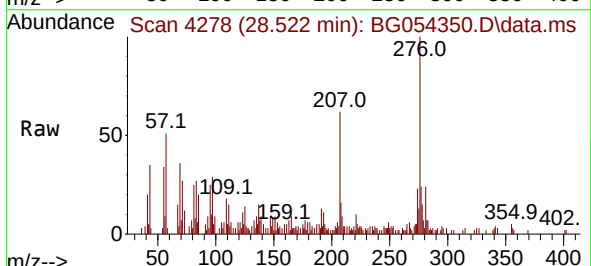
Tgt Ion:276 Resp: 34370

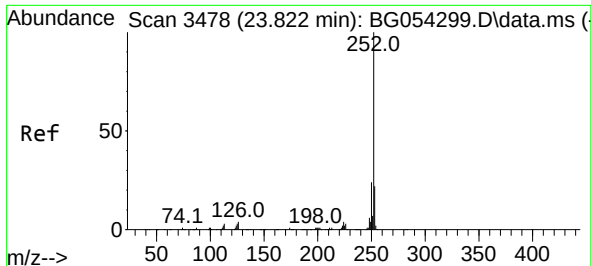
Ion Ratio Lower Upper

276 100

138 6.7 5.0 7.4

277 27.0 20.3 30.5

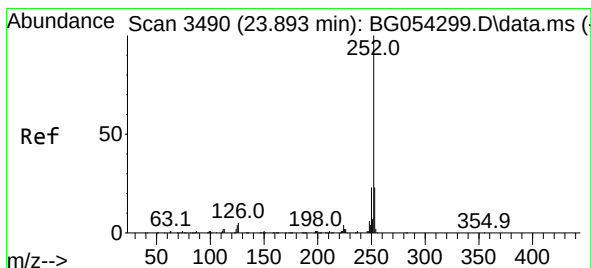
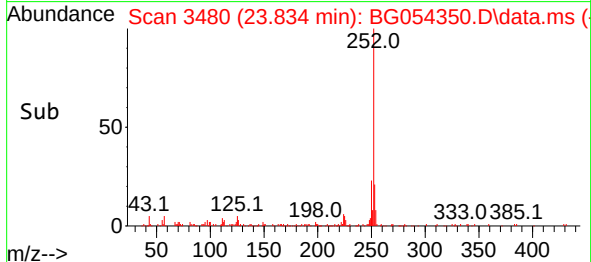
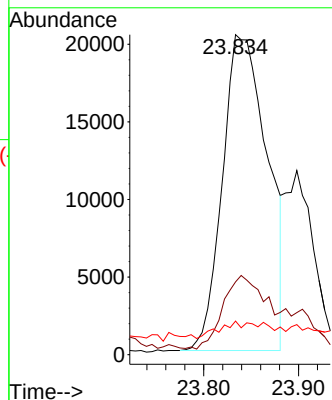
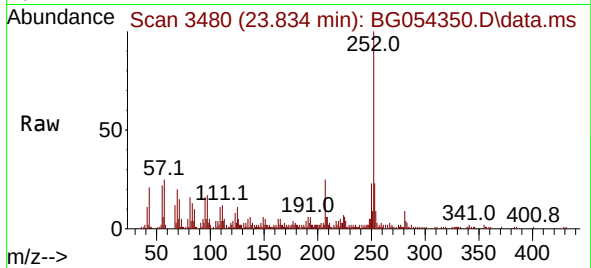




#88
Benzo(b)fluoranthene
Concen: 6.549 ng
RT: 23.834 min Scan# 3478
Delta R.T. 0.011 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

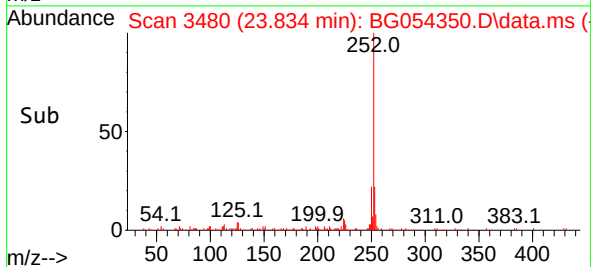
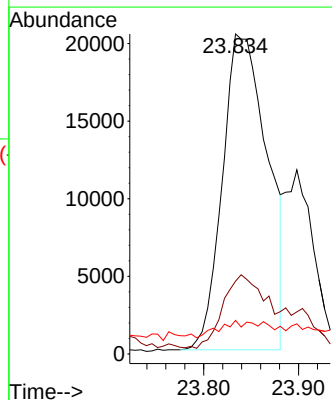
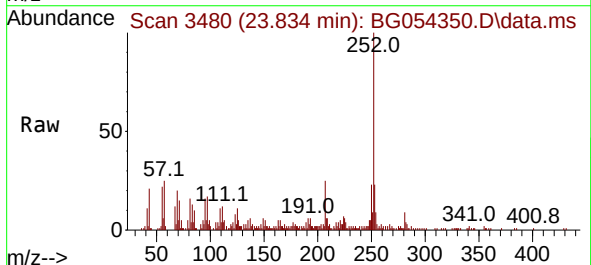
Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

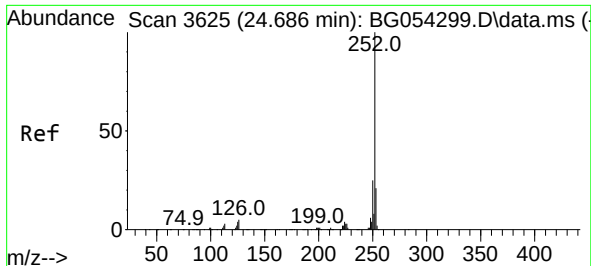
Tgt Ion:252 Resp: 66872
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.5 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 6.581 ng
RT: 23.834 min Scan# 3480
Delta R.T. -0.059 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:252 Resp: 66872
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 10.5 4.8 7.2#

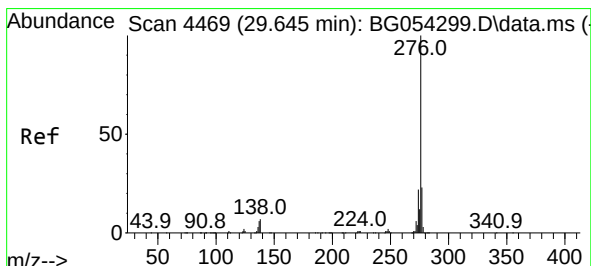
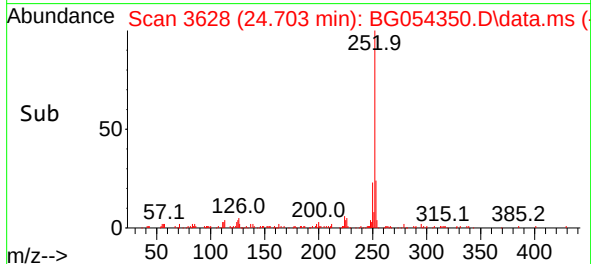
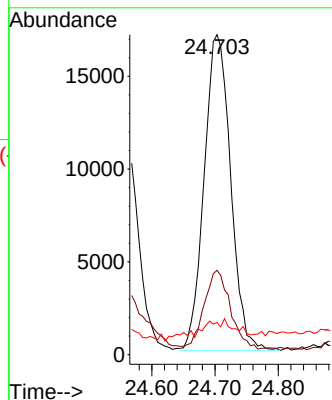
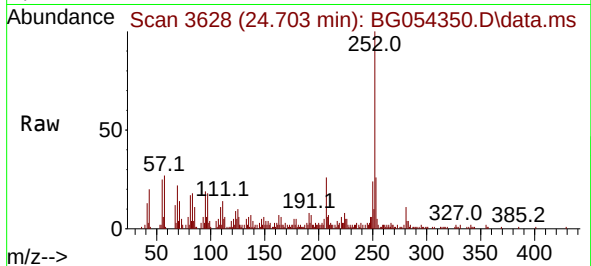




#90
Benzo(a)pyrene
Concen: 5.684 ng
RT: 24.703 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Instrument :
BNA_G
ClientSampleId :
0718-WC-TP-WC17B

Tgt Ion:252 Resp: 49564
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.8
125 10.1 4.3 6.5#



#92
Benzo(g,h,i)perylene
Concen: 3.234 ng
RT: 29.674 min Scan# 4474
Delta R.T. 0.029 min
Lab File: BG054350.D
Acq: 21 Jul 2022 18:29

Tgt Ion:276 Resp: 34469
Ion Ratio Lower Upper
276 100
277 27.9 17.3 25.9#
138 8.6 9.6 14.4#

