

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055669.D
 Acq On : 17 Nov 2022 17:15
 Operator : CG/JU
 Sample : N5513-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-D2(7-9)

Quant Time: Nov 18 03:15:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

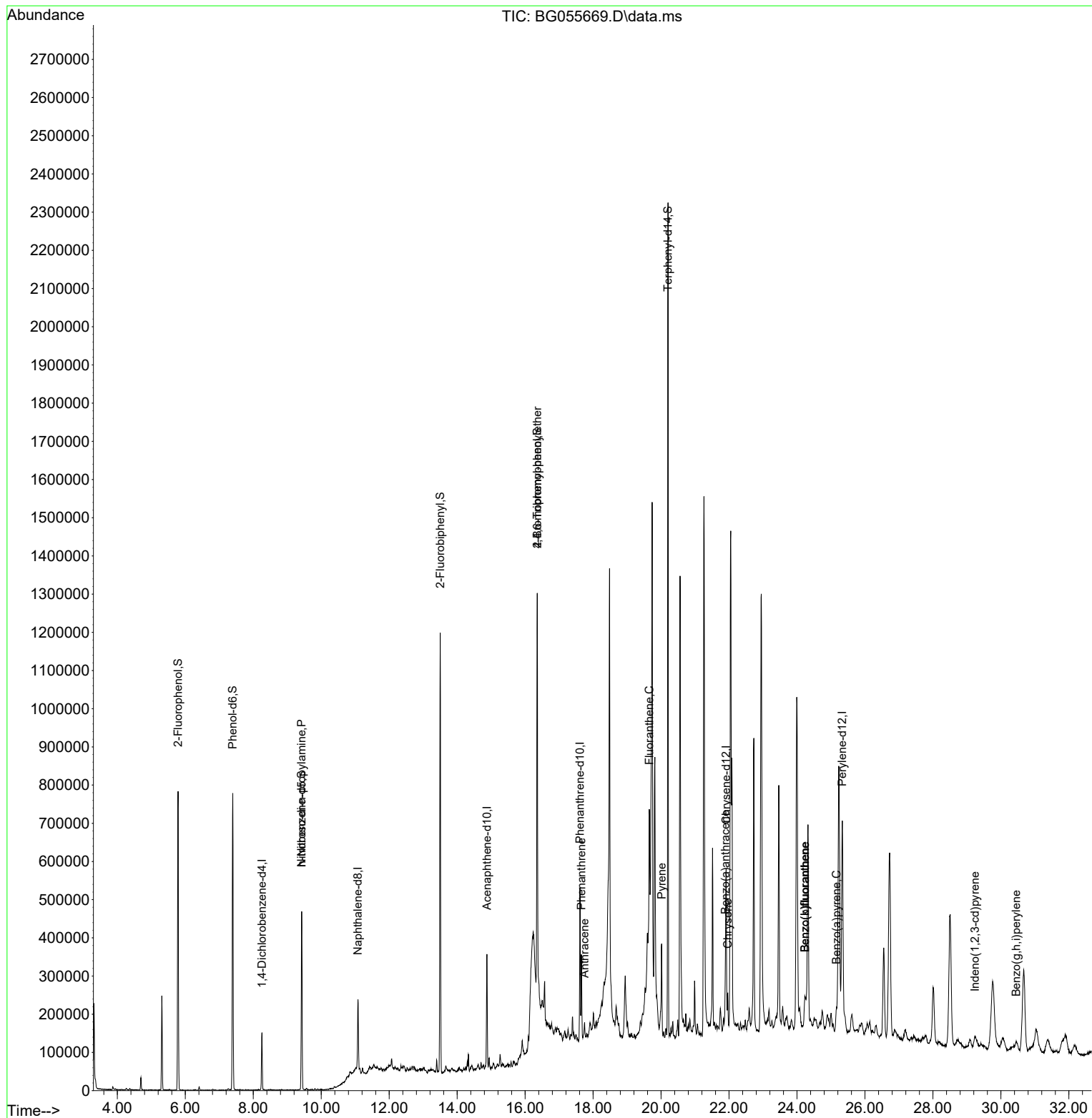
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	42447	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	158248	20.000	ng	0.00
39) Acenaphthene-d10	14.875	164	108995	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	251596	20.000	ng	0.00
76) Chrysene-d12	21.913	240	260628	20.000	ng	0.00
86) Perylene-d12	25.327	264	271169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	336000	143.079	ng	0.00
7) Phenol-d6	7.395	99	427839	136.863	ng	0.00
23) Nitrobenzene-d5	9.422	82	270228	90.256	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	219066	142.733	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	598191	82.221	ng	0.00
79) Terphenyl-d14	20.204	244	1078221	82.745	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.422	70	37106	15.449	ng	# 76
67) 4-Bromophenyl-phenylether	16.355	248	14388	5.019	ng	# 1
71) Phenanthrene	17.654	178	145041	10.683	ng	98
72) Anthracene	17.748	178	27940	2.118	ng	97
75) Fluoranthene	19.651	202	183729	11.123	ng	98
78) Pyrene	20.016	202	160323	9.088	ng	100
81) Benzo(a)anthracene	21.890	228	79525	4.430	ng	99
83) Chrysene	21.960	228	72941	4.268	ng	99
87) Indeno(1,2,3-cd)pyrene	29.234	276	50757	2.285	ng	96
88) Benzo(b)fluoranthene	24.234	252	102420	5.800	ng	# 97
89) Benzo(k)fluoranthene	24.234	252	102420	5.818	ng	# 96
90) Benzo(a)pyrene	25.157	252	69599	4.593	ng	# 96
92) Benzo(g,h,i)perylene	30.451	276	50737	2.773	ng	98

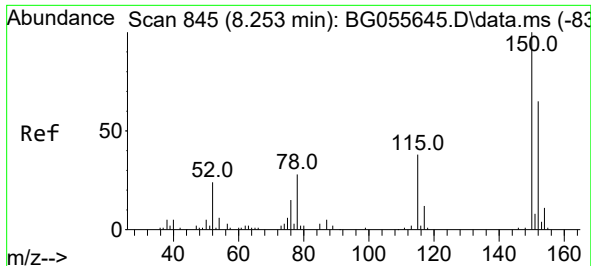
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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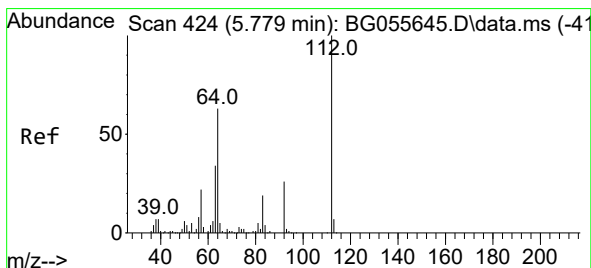
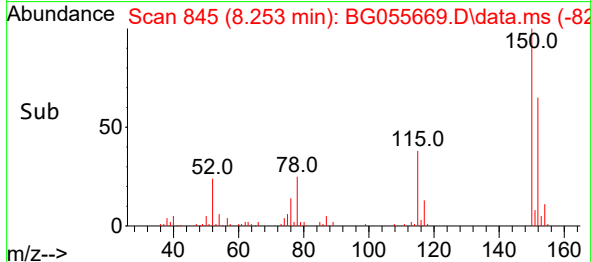
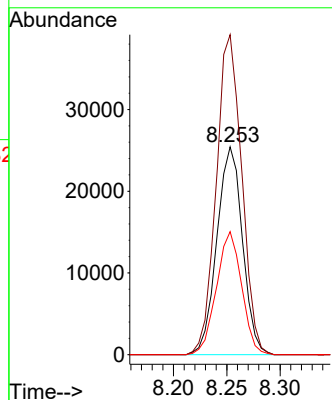
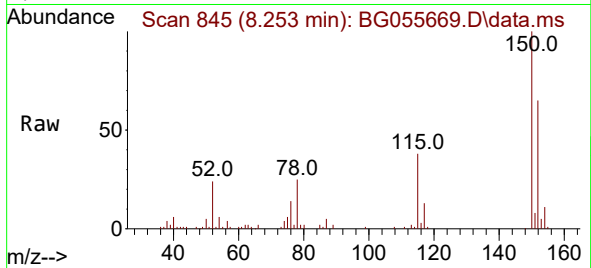




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

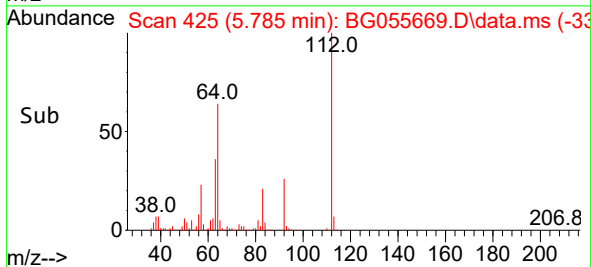
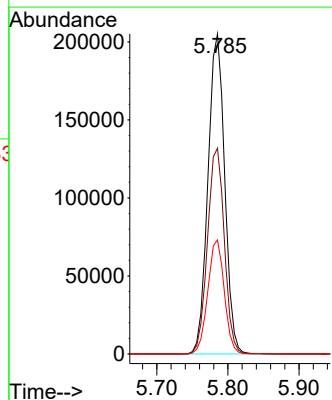
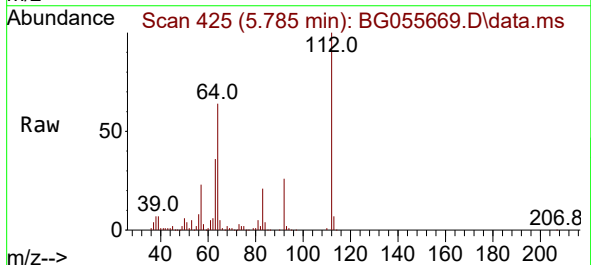
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

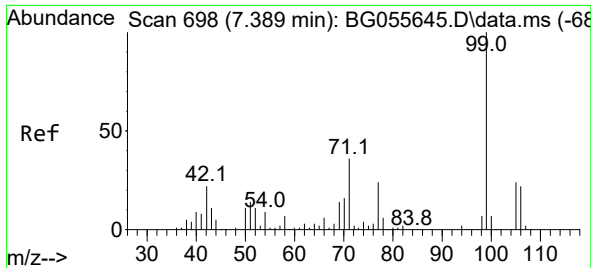
Tgt Ion:152 Resp: 42447
Ion Ratio Lower Upper
152 100
150 154.0 123.0 184.6
115 59.2 47.0 70.4



#5
2-Fluorophenol
Concen: 143.079 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:112 Resp: 336000
Ion Ratio Lower Upper
112 100
64 64.3 50.6 76.0
63 35.6 27.5 41.3

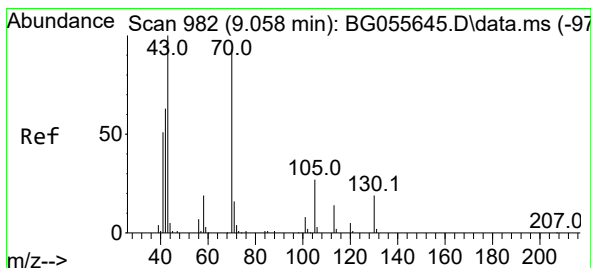
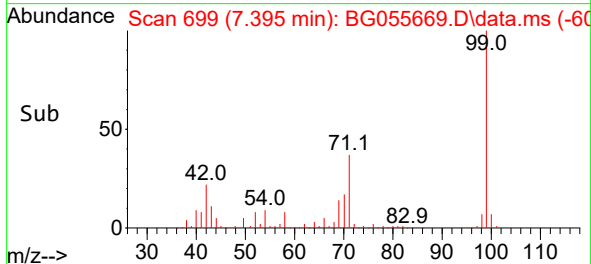
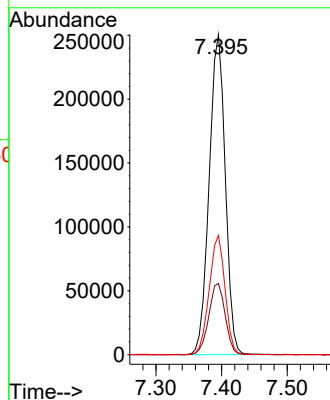
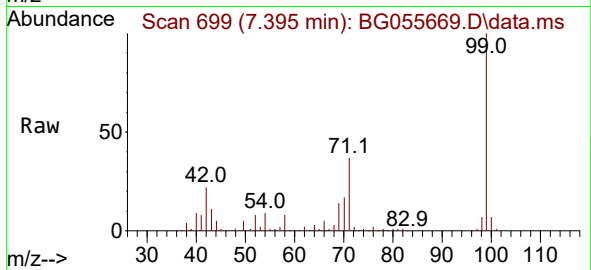




#7
Phenol-d6
Concen: 136.863 ng
RT: 7.395 min Scan# 698
Delta R.T. 0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

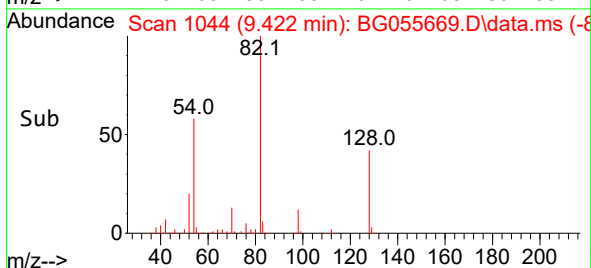
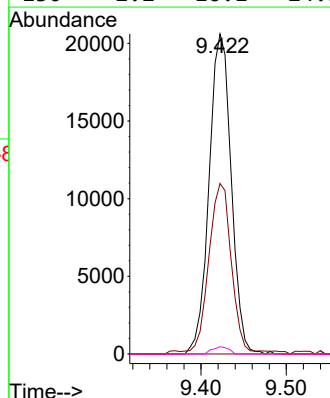
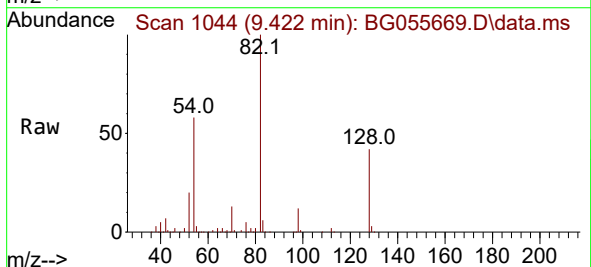
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

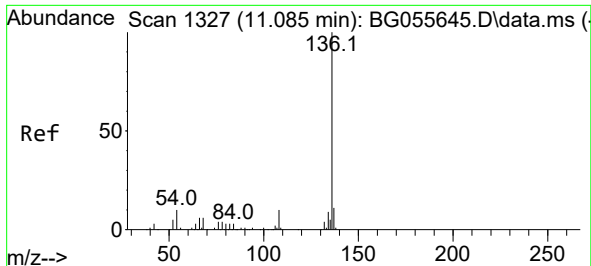
Tgt Ion: 99 Resp: 427839
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 37.3 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.449 ng
RT: 9.422 min Scan# 1044
Delta R.T. 0.365 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion: 70 Resp: 37106
Ion Ratio Lower Upper
70 100
42 53.3 55.2 82.8#
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#

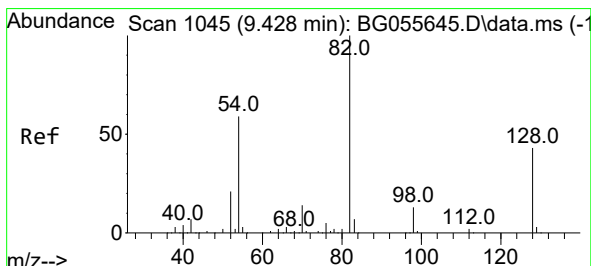
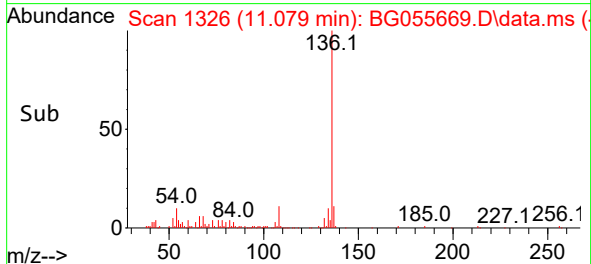
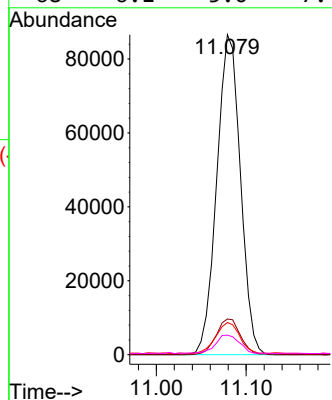
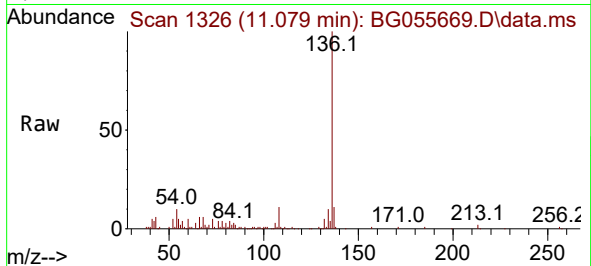




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

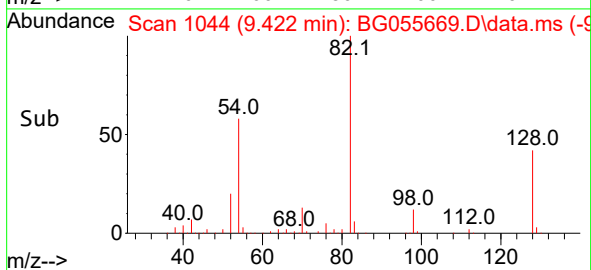
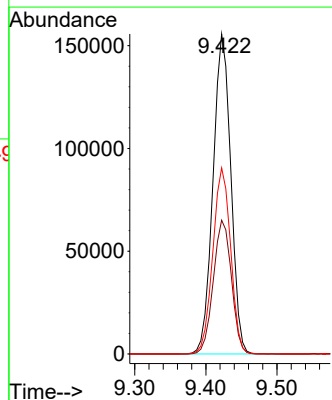
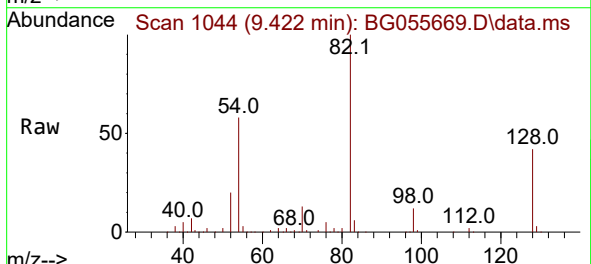
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

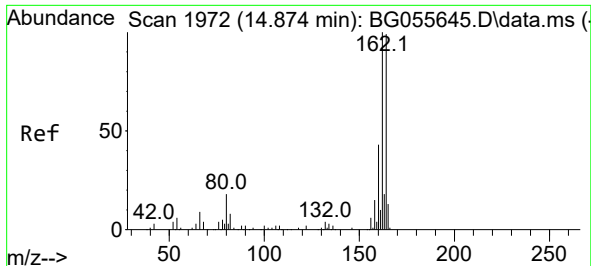
Tgt Ion:	136	Resp:	158248
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	10.1	7.8	11.6
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 90.256 ng
RT: 9.422 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:	82	Resp:	270228
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.1	51.1
54	58.1	47.3	70.9

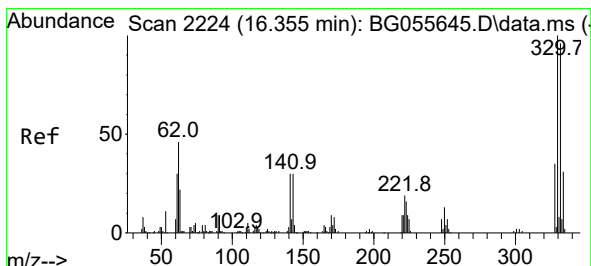
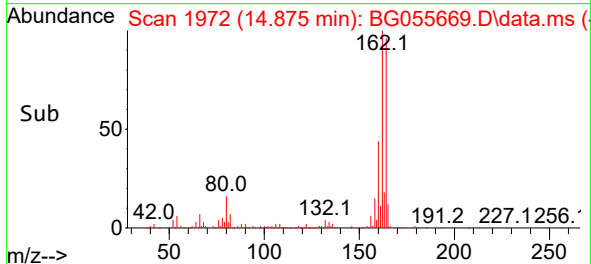
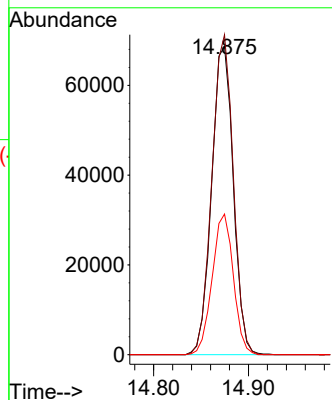
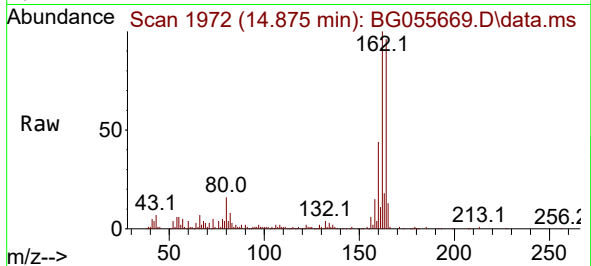




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

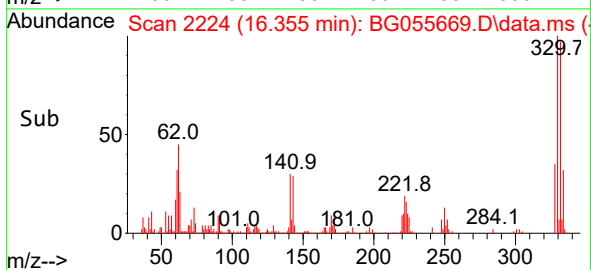
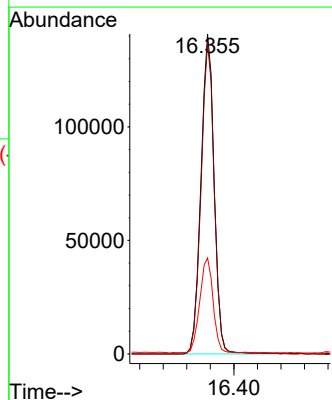
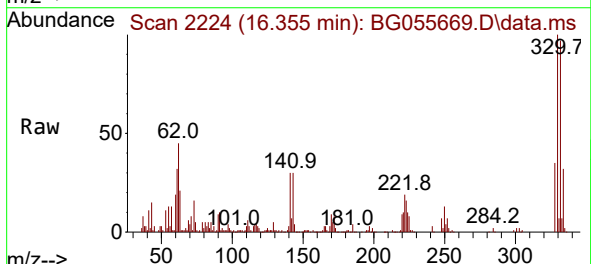
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

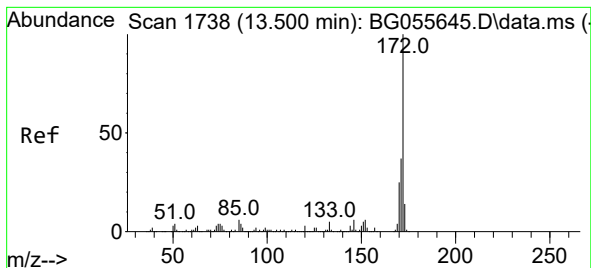
Tgt Ion:164 Resp: 108995
Ion Ratio Lower Upper
164 100
162 103.9 81.1 121.7
160 45.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 142.733 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:330 Resp: 219066
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 30.1 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 82.221 ng

RT: 13.500 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

Instrument :

BNA_G

ClientSampleId :

WC-D2(7-9)

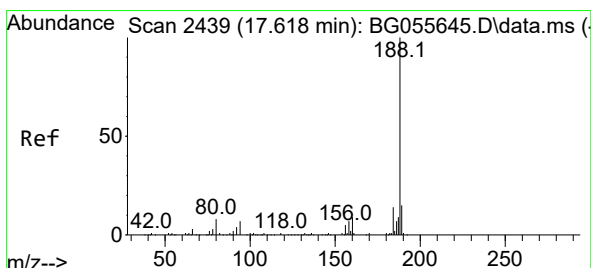
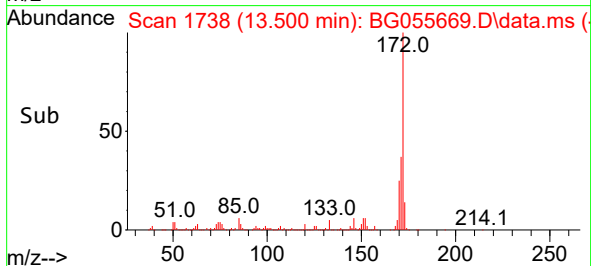
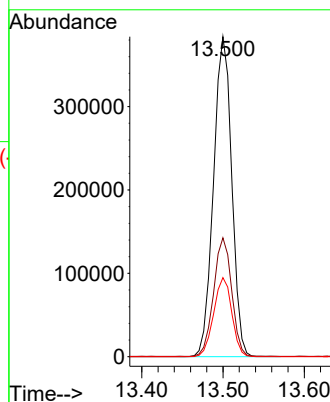
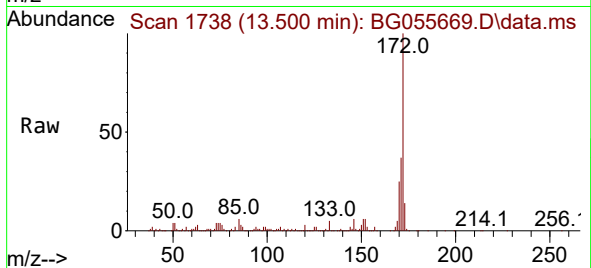
Tgt Ion:172 Resp: 598191

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.6

170 24.7 20.2 30.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.613 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

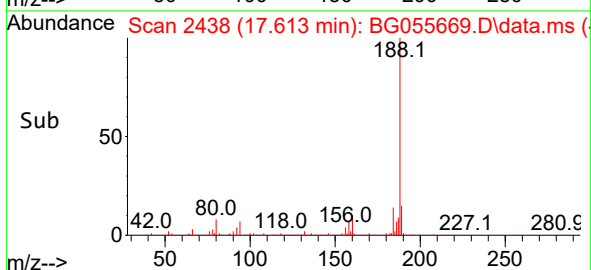
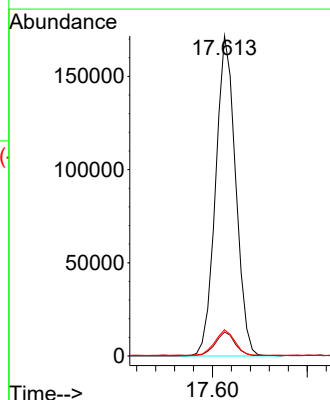
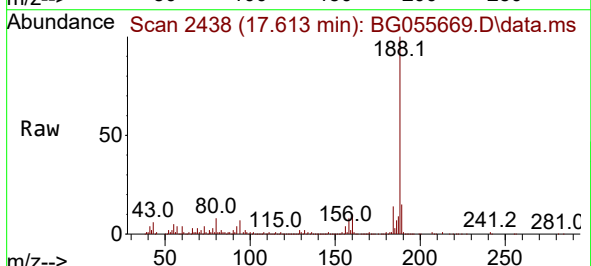
Tgt Ion:188 Resp: 251596

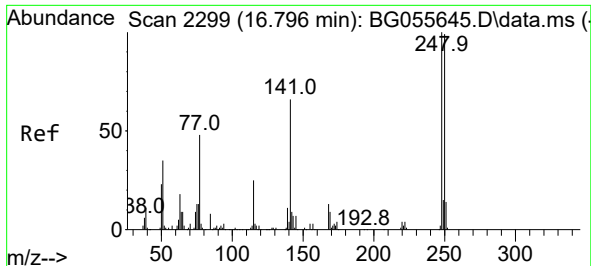
Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.2

80 8.2 6.6 10.0

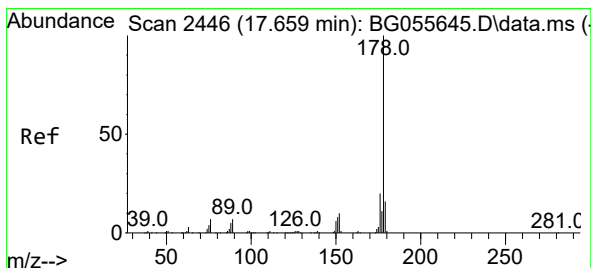
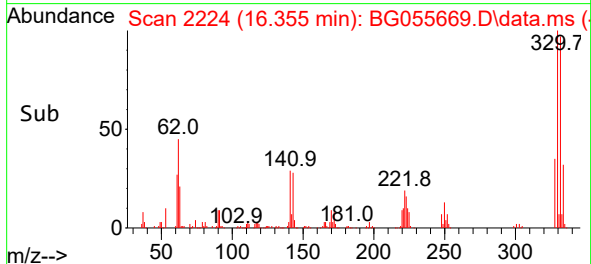
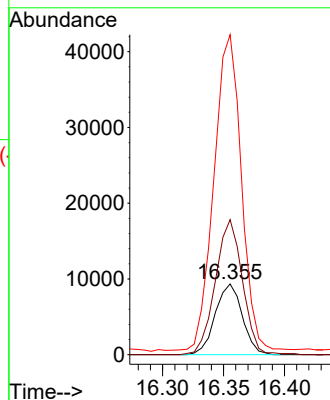
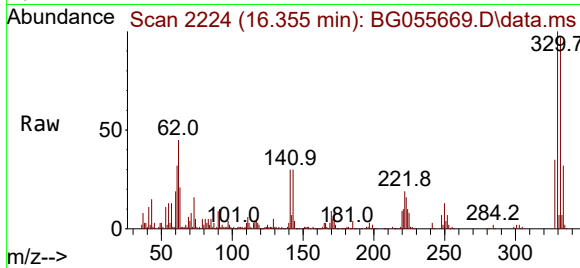




#67
4-Bromophenyl-phenylether
Concen: 5.019 ng
RT: 16.355 min Scan# 211
Delta R.T. -0.440 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

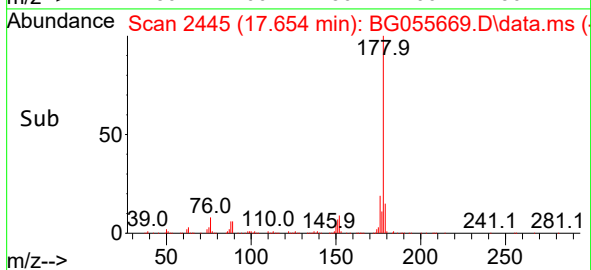
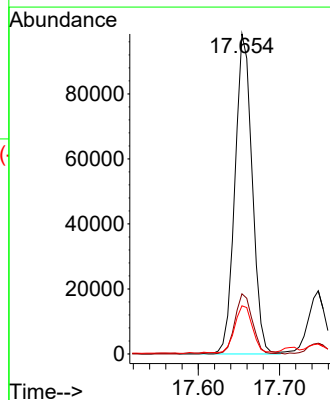
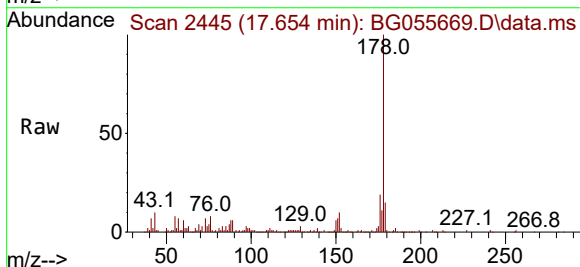
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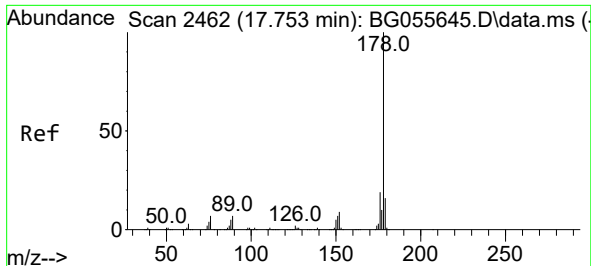
Tgt Ion:248 Resp: 14388
Ion Ratio Lower Upper
248 100
250 191.3 79.0 118.4#
141 452.9 52.9 79.3#



#71
Phenanthrene
Concen: 10.683 ng
RT: 17.654 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:178 Resp: 145041
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.1 12.7 19.1

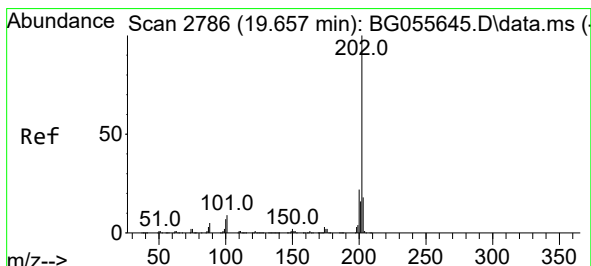
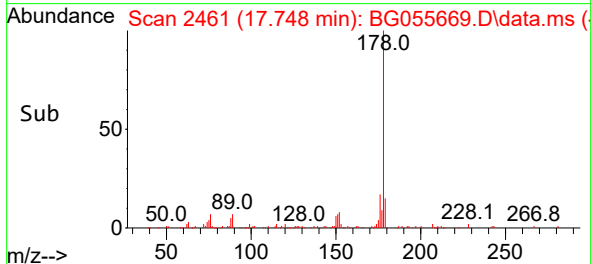
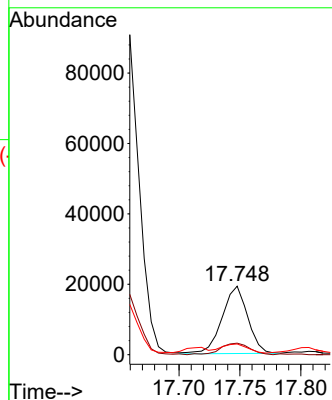
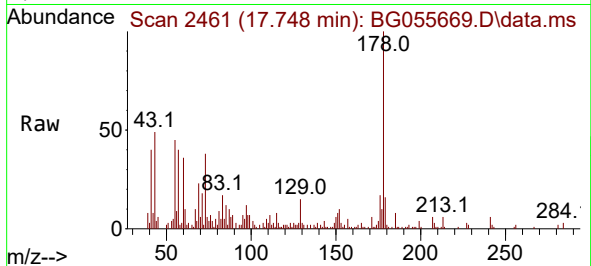




#72
 Anthracene
 Concen: 2.118 ng
 RT: 17.748 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BG055669.D
 Acq: 17 Nov 2022 17:15

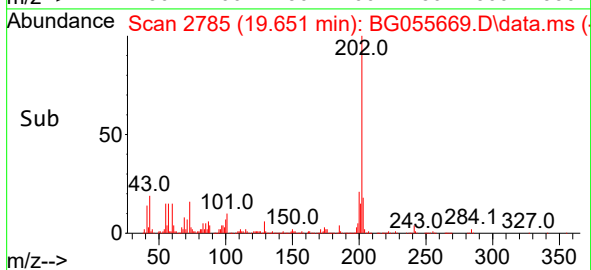
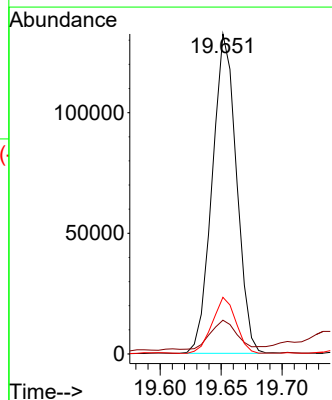
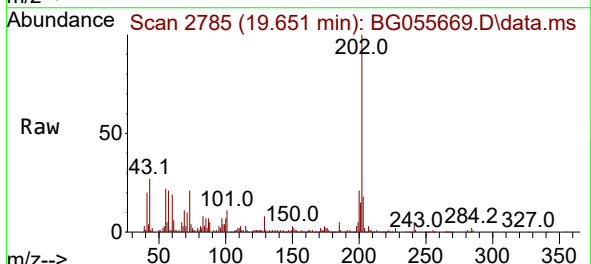
Instrument :
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 WC-D2(7-9)

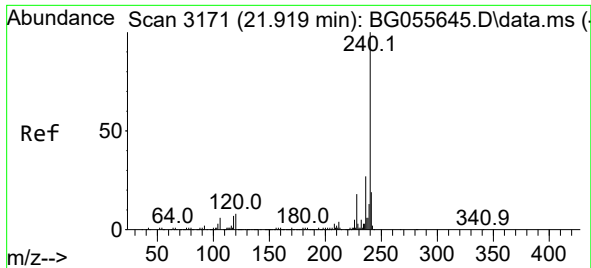
Tgt Ion:178 Resp: 27940
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.5 23.3
 179 15.7 12.5 18.7



#75
 Fluoranthene
 Concen: 11.123 ng
 RT: 19.651 min Scan# 2785
 Delta R.T. -0.006 min
 Lab File: BG055669.D
 Acq: 17 Nov 2022 17:15

Tgt Ion:202 Resp: 183729
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 28.8
 203 17.7 0.0 38.1

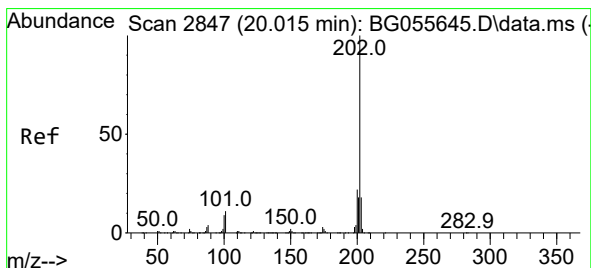
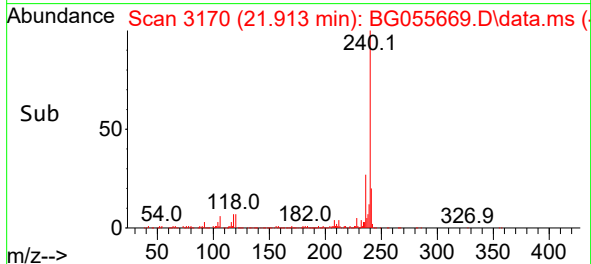
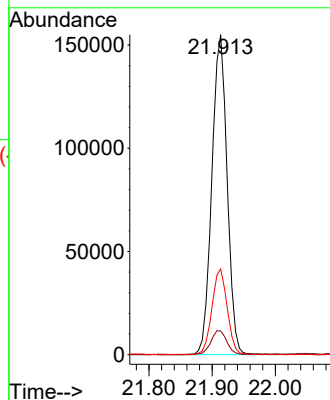
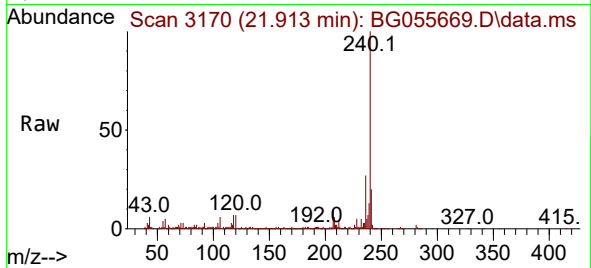




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

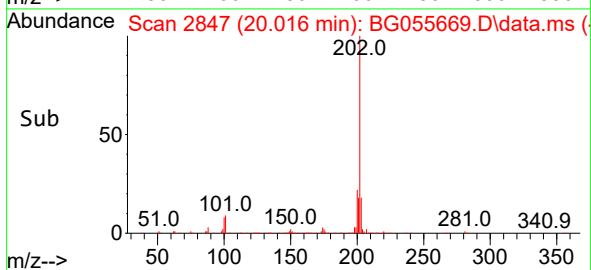
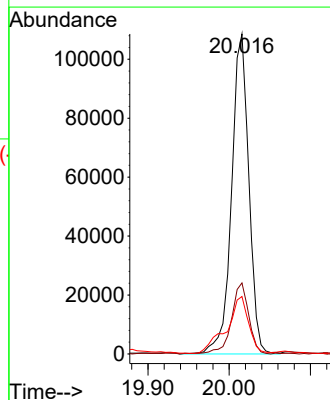
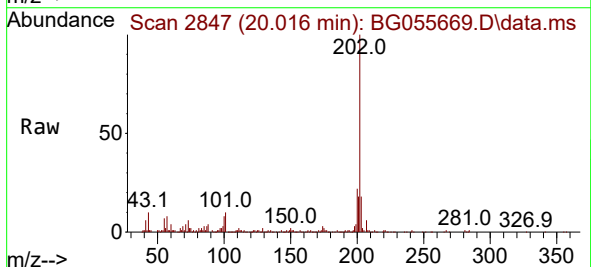
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

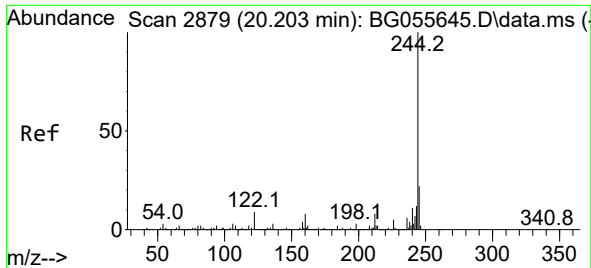
Tgt Ion:240 Resp: 260628
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.8 21.9 32.9



#78
Pyrene
Concen: 9.088 ng
RT: 20.016 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:202 Resp: 160323
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.6
203 18.0 14.4 21.6

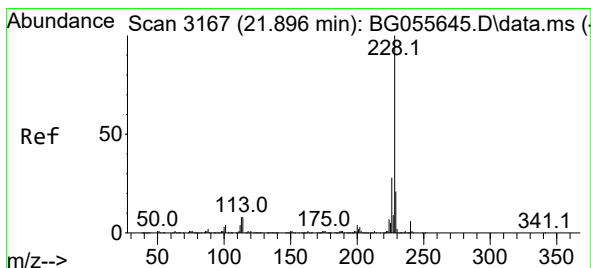
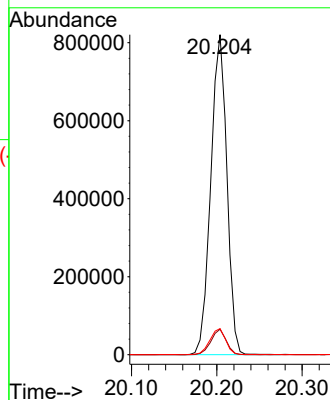
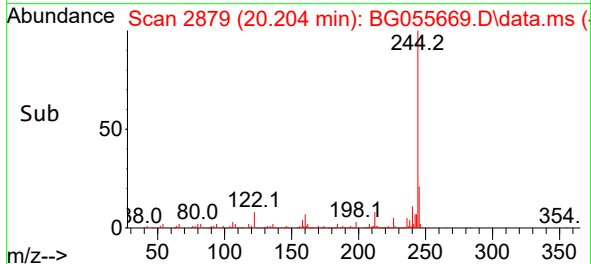
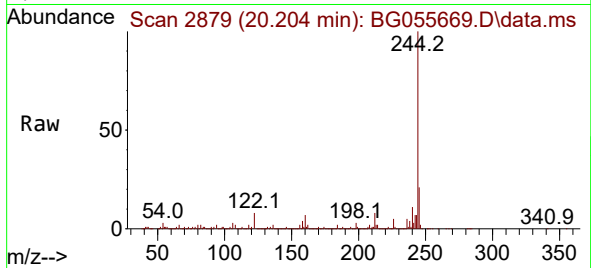




#79
 Terphenyl-d14
 Concen: 82.745 ng
 RT: 20.204 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG055669.D
 Acq: 17 Nov 2022 17:15

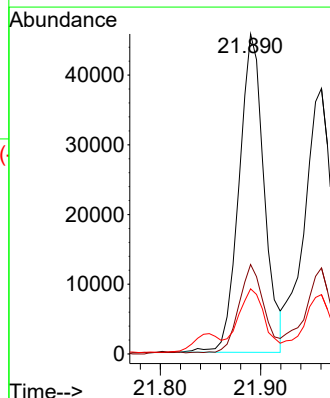
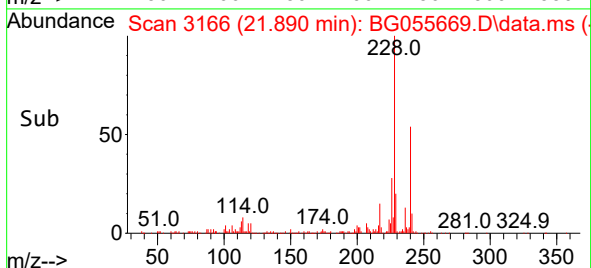
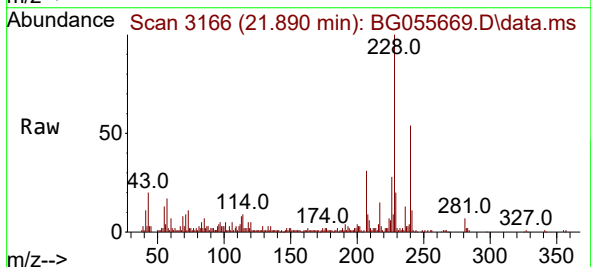
Instrument :
 BNA_G
 ClientSampleId :
 WC-D2(7-9)

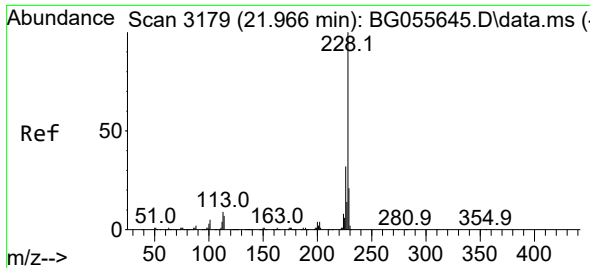
Tgt Ion:244 Resp: 1078221
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 8.2 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 4.430 ng
 RT: 21.890 min Scan# 3166
 Delta R.T. -0.006 min
 Lab File: BG055669.D
 Acq: 17 Nov 2022 17:15

Tgt Ion:228 Resp: 79525
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.7 34.1
 229 20.4 16.5 24.7

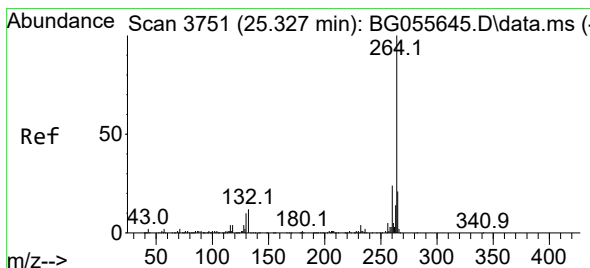
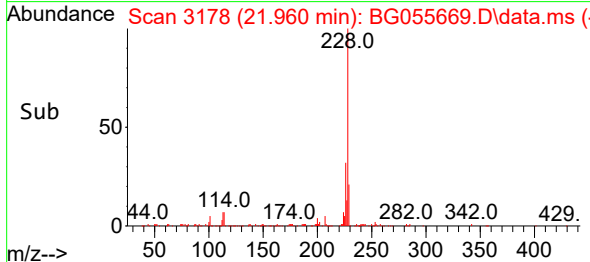
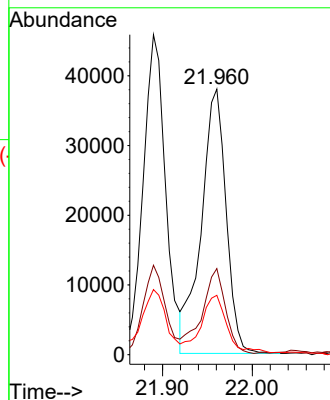
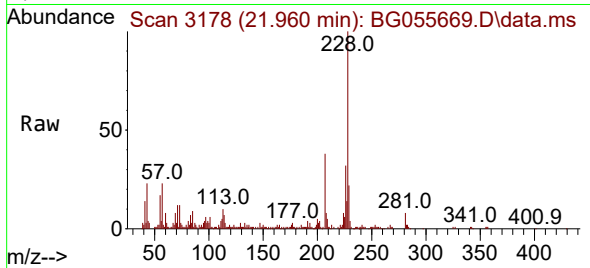




#83
Chrysene
Concen: 4.268 ng
RT: 21.960 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

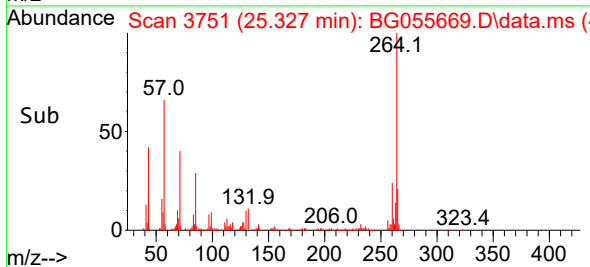
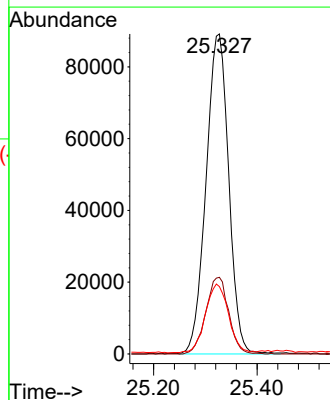
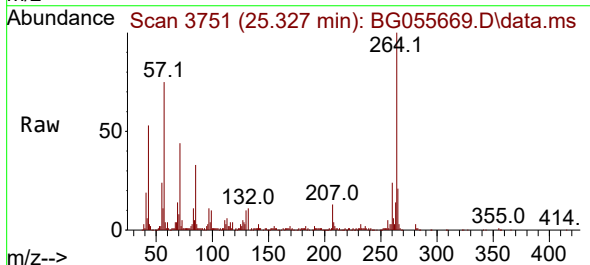
Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)

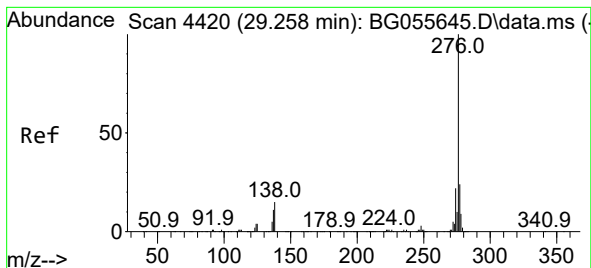
Tgt Ion:228	Resp:	72941
Ion Ratio	Lower	Upper
228	100	
226	32.4	25.4 38.2
229	22.4	17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3751
Delta R.T. 0.000 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Tgt Ion:264	Resp:	271169
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.5 29.3
265	21.0	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.285 ng

RT: 29.234 min Scan# 4416

Delta R.T. -0.023 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

Instrument :

BNA_G

ClientSampleId :

WC-D2(7-9)

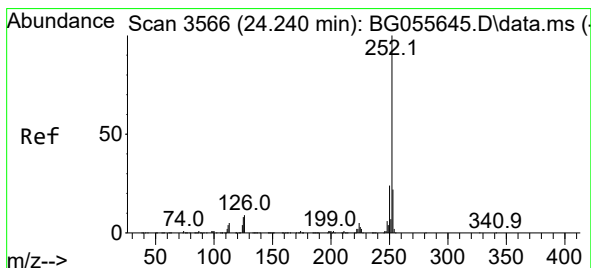
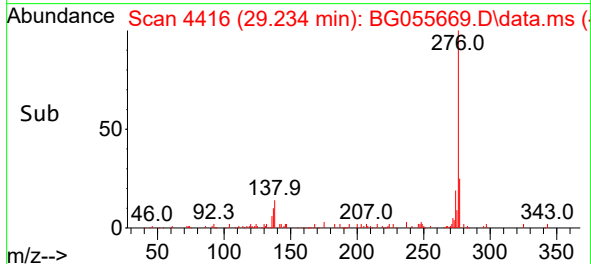
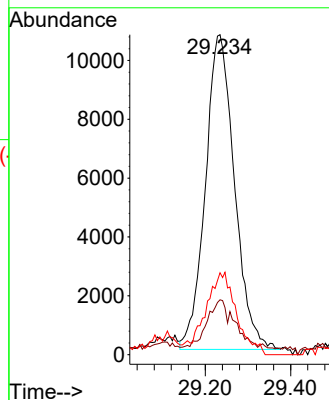
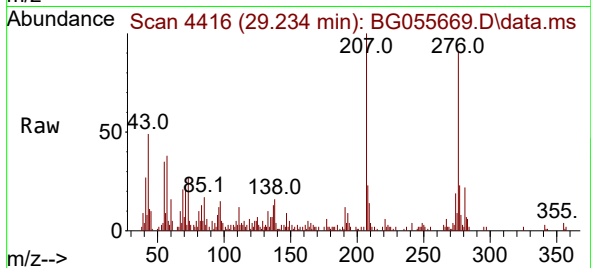
Tgt Ion:276 Resp: 50757

Ion Ratio Lower Upper

276 100

138 13.7 10.4 15.6

277 27.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 5.800 ng

RT: 24.234 min Scan# 3565

Delta R.T. -0.006 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

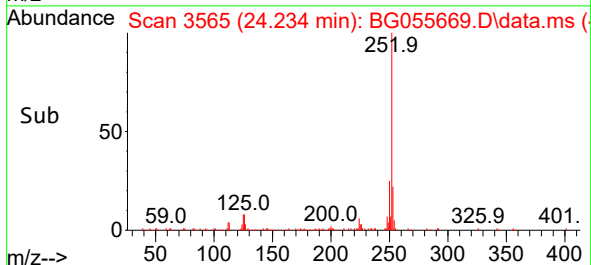
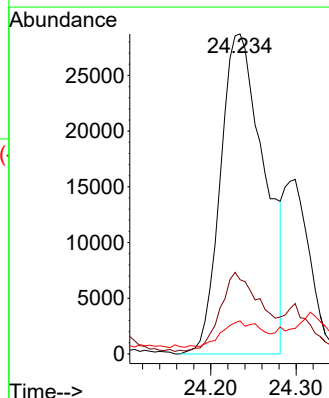
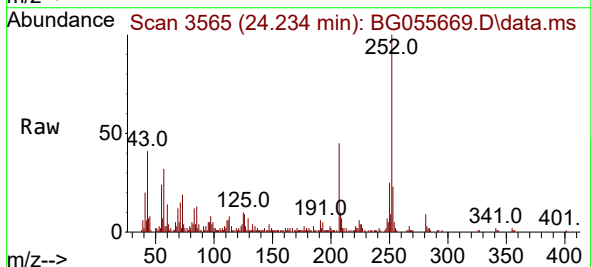
Tgt Ion:252 Resp: 102420

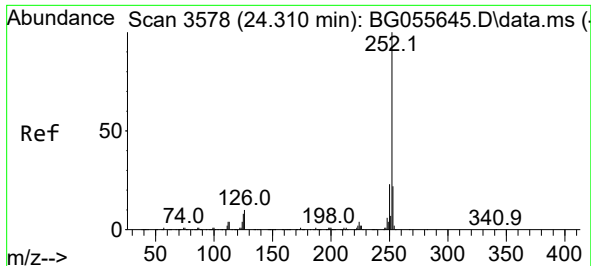
Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 10.3 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 5.818 ng

RT: 24.234 min Scan# 3

Delta R.T. -0.076 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

Instrument :

BNA_G

ClientSampleId :

WC-D2(7-9)

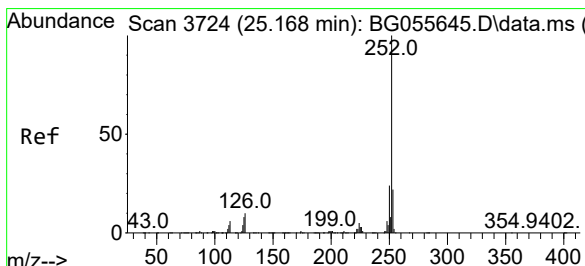
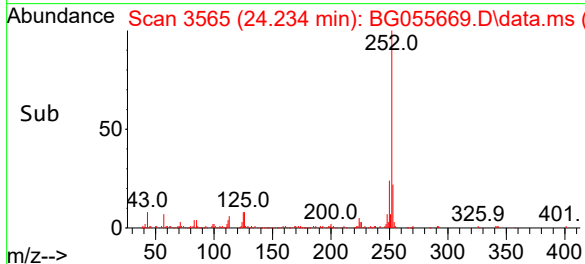
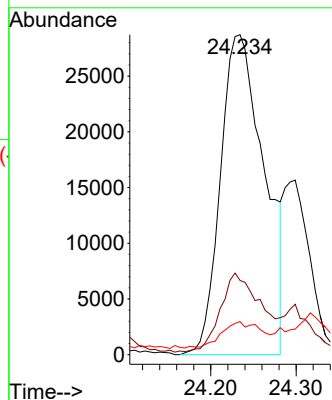
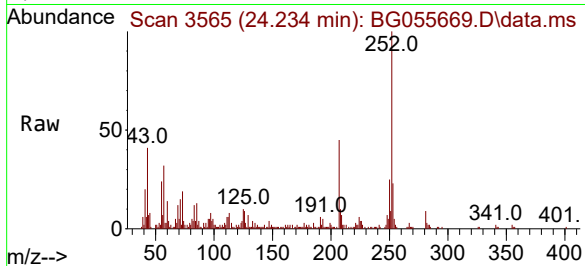
Tgt Ion:252 Resp: 102420

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 10.3 6.1 9.1#



#90

Benzo(a)pyrene

Concen: 4.593 ng

RT: 25.157 min Scan# 3722

Delta R.T. -0.011 min

Lab File: BG055669.D

Acq: 17 Nov 2022 17:15

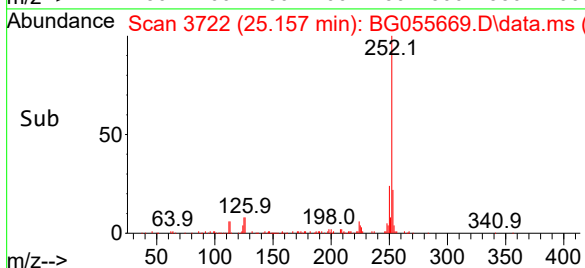
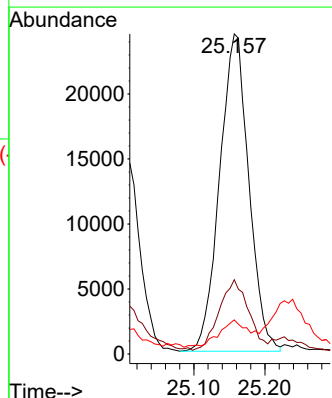
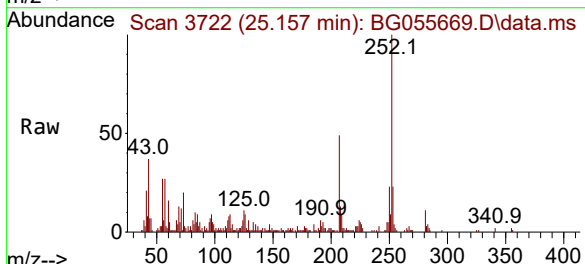
Tgt Ion:252 Resp: 69599

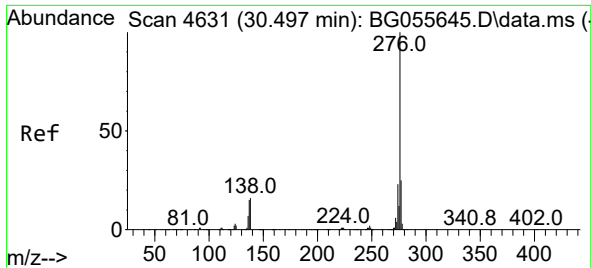
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

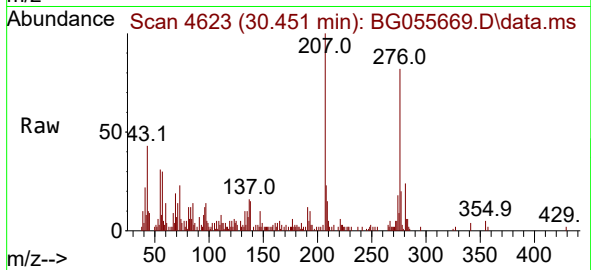
125 10.7 6.4 9.6#





#92
Benzo(g,h,i)perylene
Concen: 2.773 ng
RT: 30.451 min Scan# 4
Delta R.T. -0.047 min
Lab File: BG055669.D
Acq: 17 Nov 2022 17:15

Instrument :
BNA_G
ClientSampleId :
WC-D2(7-9)



Tgt Ion:	276	Resp:	50737
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.6
138	18.6	13.1	19.7

