

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120722\
 Data File : BG055917.D
 Acq On : 7 Dec 2022 17:00
 Operator : CG/JU
 Sample : N5897-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

Quant Time: Dec 08 05:06:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

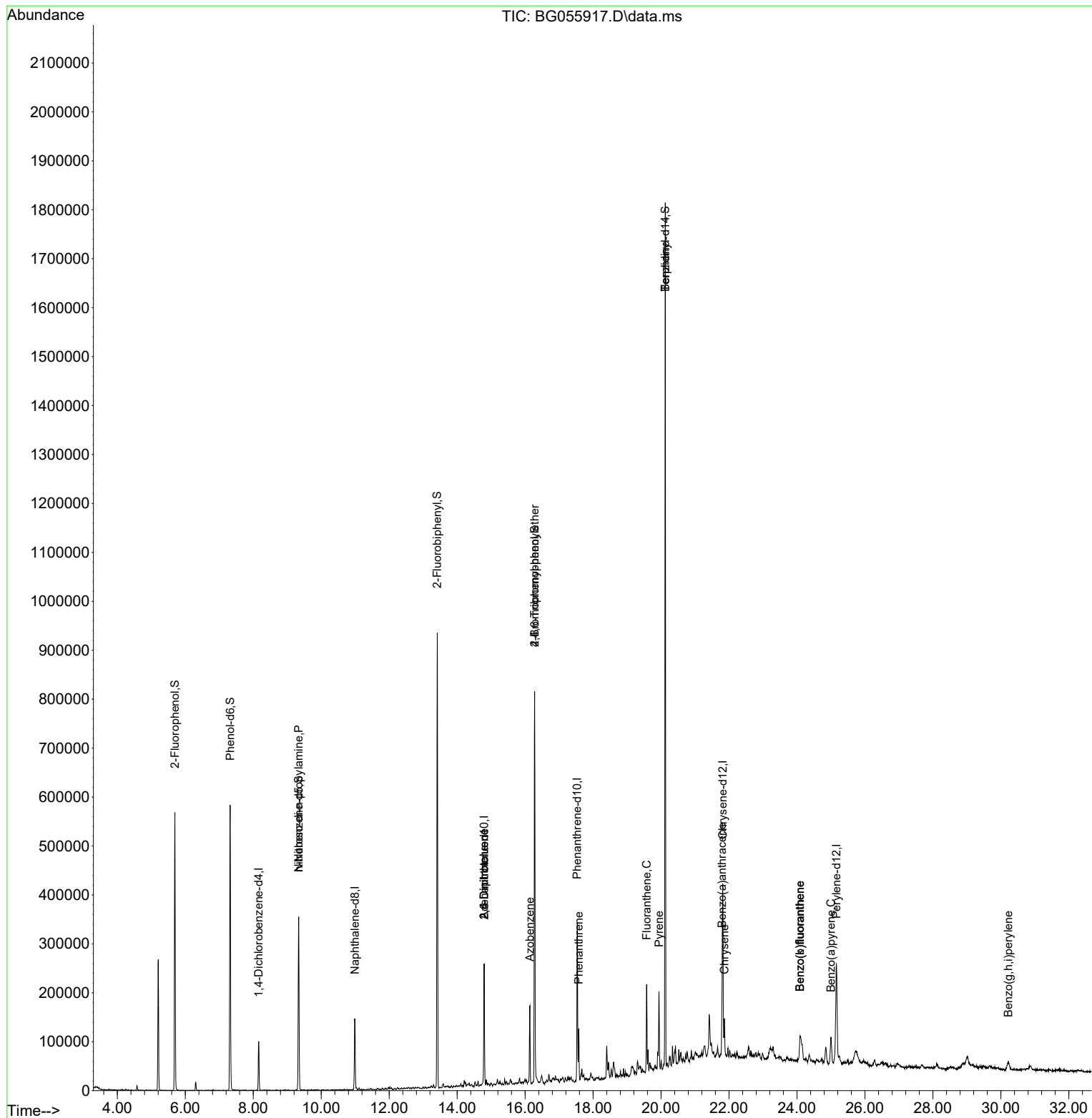
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	28884	20.000	ng	0.00
21) Naphthalene-d8	10.986	136	122407	20.000	ng	0.00
39) Acenaphthene-d10	14.794	164	87274	20.000	ng	0.00
64) Phenanthrene-d10	17.532	188	214203	20.000	ng	-0.01
76) Chrysene-d12	21.815	240	195296	20.000	ng	-0.01
86) Perylene-d12	25.158	264	226131	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	233533	146.142	ng	0.00
7) Phenol-d6	7.320	99	314962	148.065	ng	0.00
23) Nitrobenzene-d5	9.335	82	201829	87.149	ng	0.00
42) 2,4,6-Tribromophenol	16.280	330	164106	133.536	ng	0.00
45) 2-Fluorobiphenyl	13.413	172	495862	85.119	ng	0.00
79) Terphenyl-d14	20.123	244	840840	86.115	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.335	70	27669	16.929	ng	# 79
51) 2,6-Dinitrotoluene	14.794	165	12138	8.533	ng	# 24
57) 2,4-Dinitrotoluene	14.794	165	12138	6.052	ng	# 22
63) Azobenzene	16.139	77	46167	7.518	ng	# 1
67) 4-Bromophenyl-phenylether	16.280	248	10410	4.265	ng	# 1
71) Phenanthrene	17.579	178	63973	5.534	ng	98
75) Fluoranthene	19.576	202	109628	7.796	ng	99
77) Benzidine	20.123	184	13624	3.015	ng	# 92
78) Pyrene	19.941	202	101293	7.663	ng	99
81) Benzo(a)anthracene	21.797	228	64030	4.760	ng	99
83) Chrysene	21.862	228	54836	4.282	ng	98
88) Benzo(b)fluoranthene	24.089	252	70614	4.795	ng	# 96
89) Benzo(k)fluoranthene	24.089	252	70614	4.810	ng	# 95
90) Benzo(a)pyrene	24.999	252	58529	4.631	ng	# 95
92) Benzo(g,h,i)perylene	30.217	276	33054	2.166	ng	96

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

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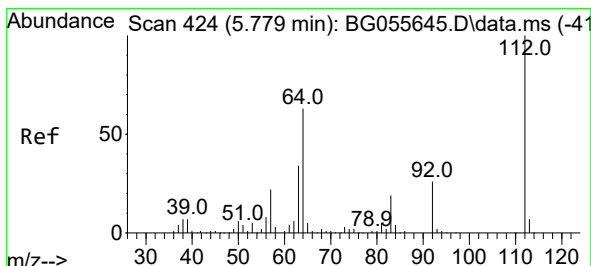
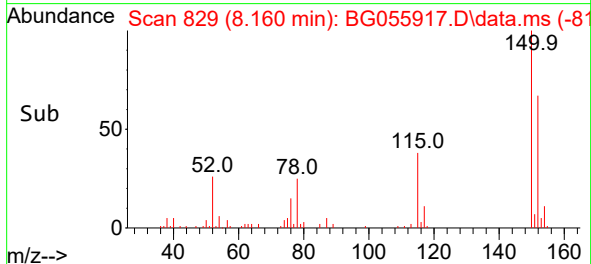
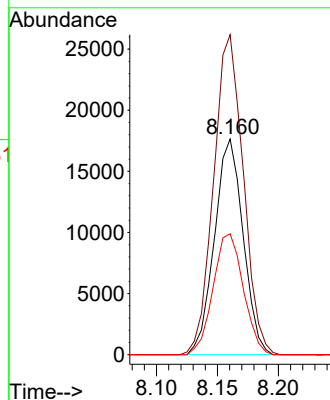
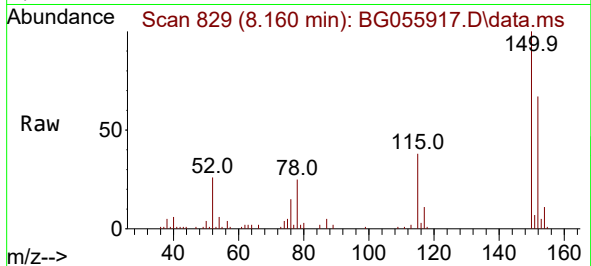




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.160 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

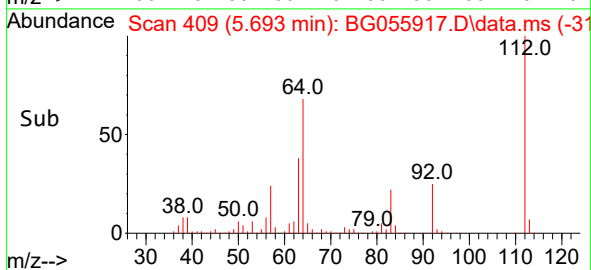
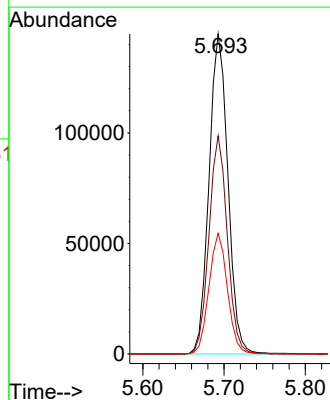
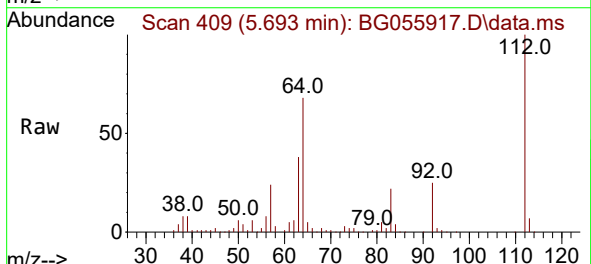
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

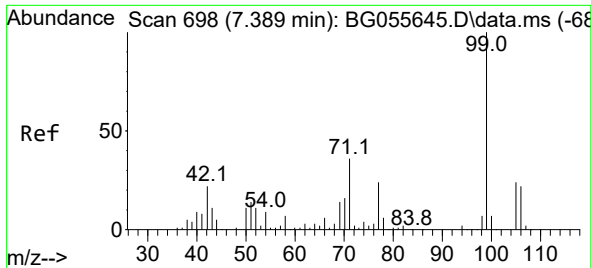
Tgt Ion:152 Resp: 28884
Ion Ratio Lower Upper
152 100
150 148.4 123.0 184.6
115 56.1 47.0 70.4



#5
2-Fluorophenol
Concen: 146.142 ng
RT: 5.693 min Scan# 409
Delta R.T. -0.002 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:112 Resp: 233533
Ion Ratio Lower Upper
112 100
64 68.1 50.6 76.0
63 37.7 27.5 41.3

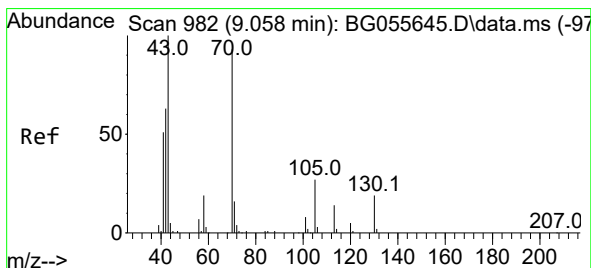
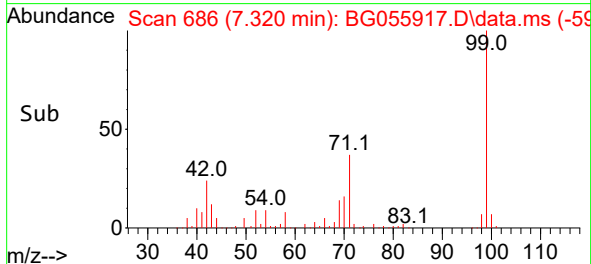
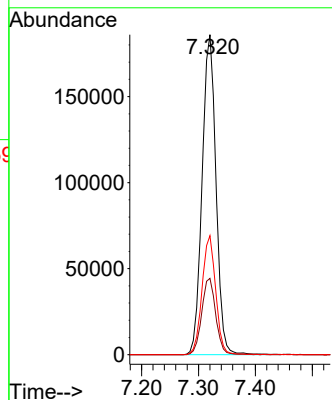
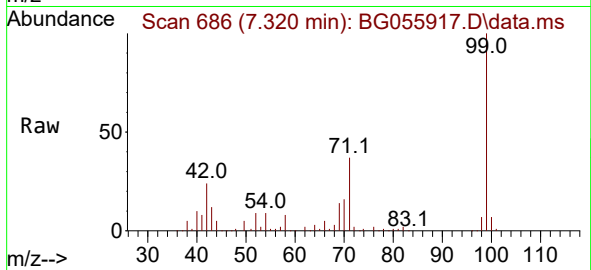




#7
Phenol-d6
Concen: 148.065 ng
RT: 7.320 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

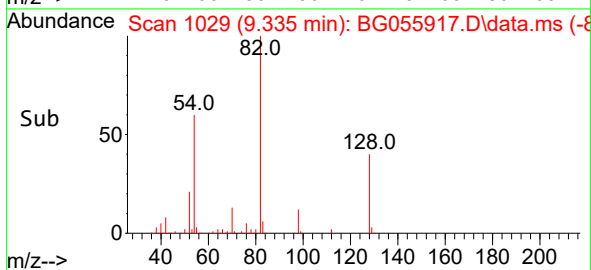
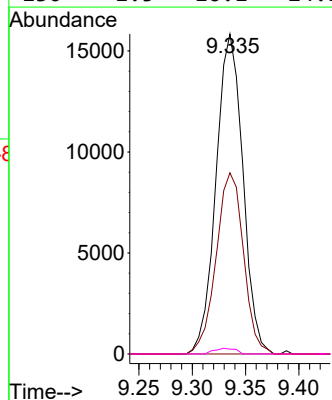
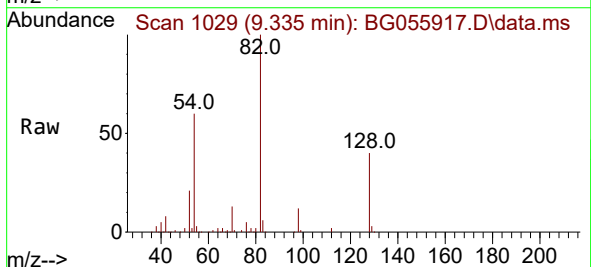
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

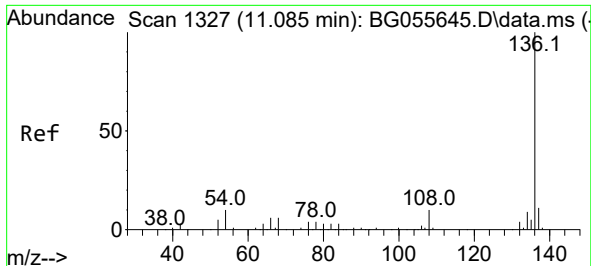
Tgt Ion: 99 Resp: 314962
Ion Ratio Lower Upper
99 100
42 23.9 18.0 27.0
71 37.2 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.929 ng
RT: 9.335 min Scan# 1029
Delta R.T. 0.363 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion: 70 Resp: 27669
Ion Ratio Lower Upper
70 100
42 56.6 55.2 82.8
101 0.0 7.1 10.7#
130 1.5 16.1 24.1#

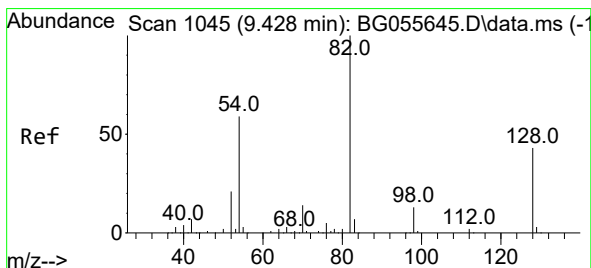
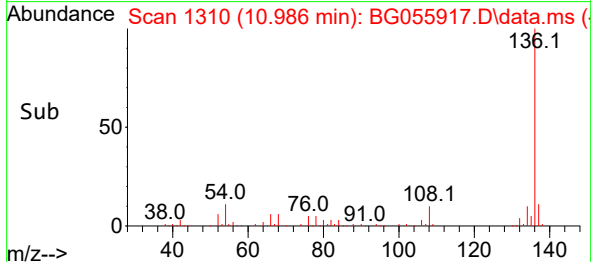
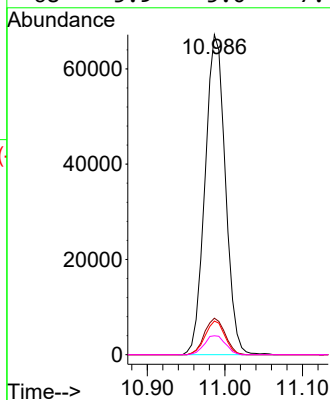
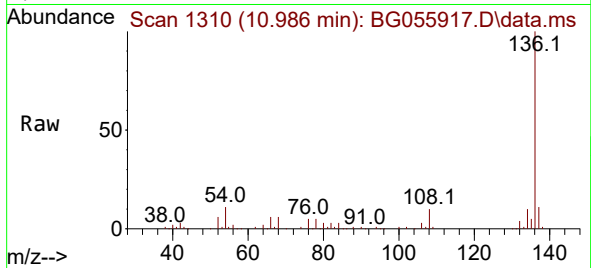




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.986 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

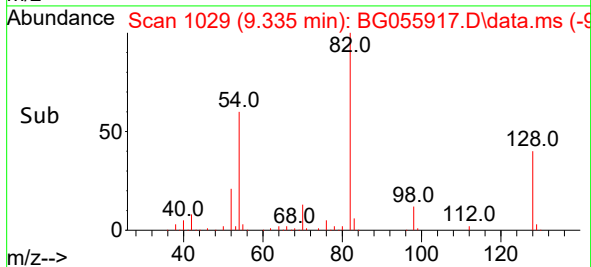
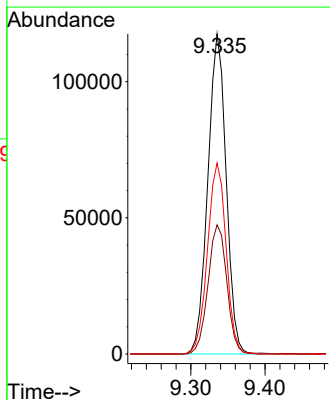
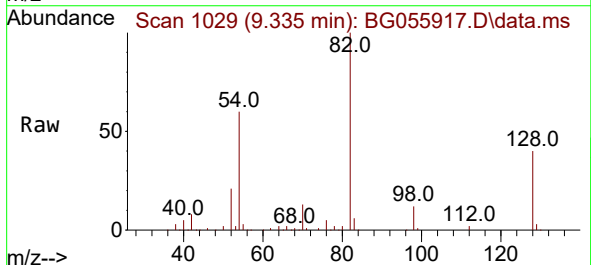
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

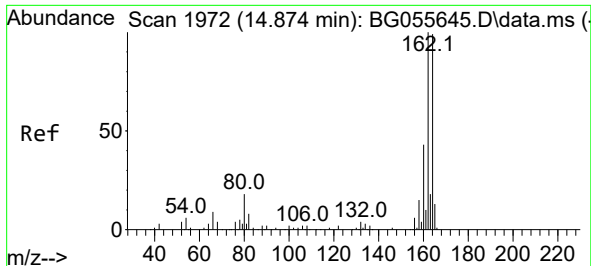
Tgt Ion:136 Resp: 122407
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.5 7.8 11.6
68 5.9 5.0 7.4



#23
Nitrobenzene-d5
Concen: 87.149 ng
RT: 9.335 min Scan# 1029
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion: 82 Resp: 201829
Ion Ratio Lower Upper
82 100
128 40.4 34.1 51.1
54 59.6 47.3 70.9

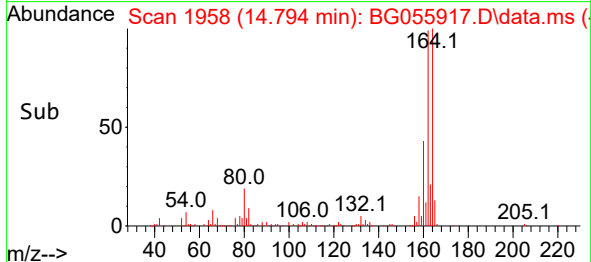
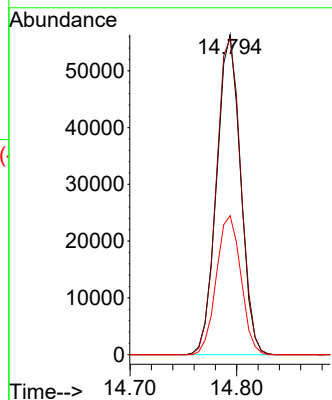
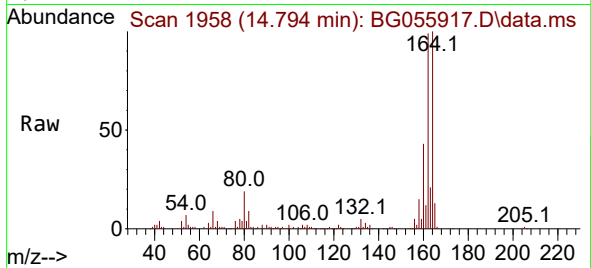




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.794 min Scan# 1958
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

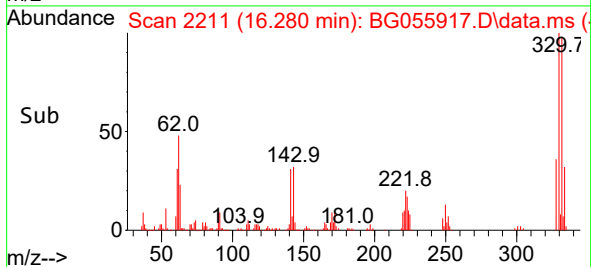
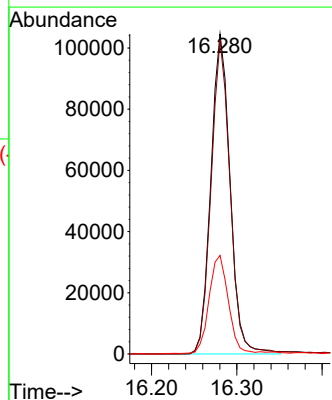
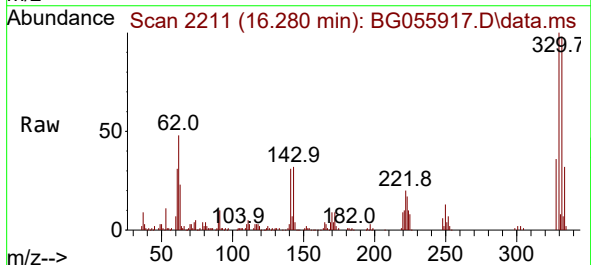
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

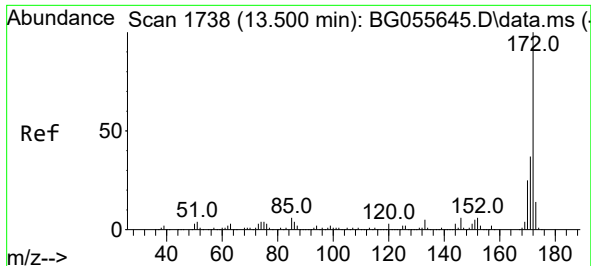
Tgt Ion:164 Resp: 87274
Ion Ratio Lower Upper
164 100
162 98.8 81.1 121.7
160 43.4 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 133.536 ng
RT: 16.280 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:330 Resp: 164106
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 31.8 23.9 35.9

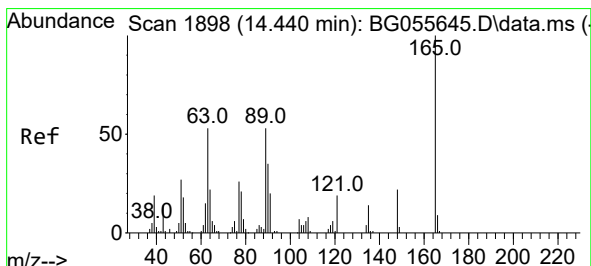
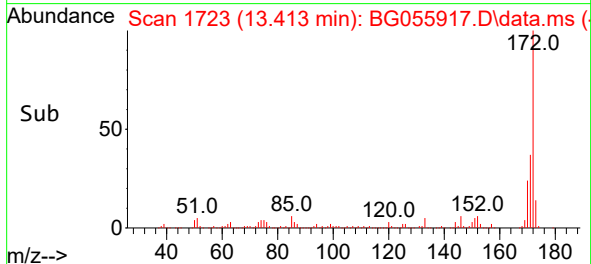
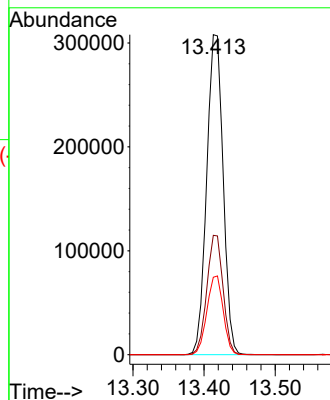
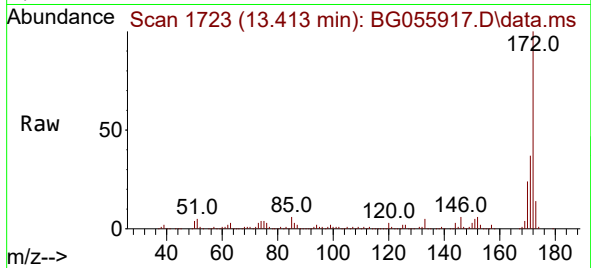




#45
2-Fluorobiphenyl
Concen: 85.119 ng
RT: 13.413 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

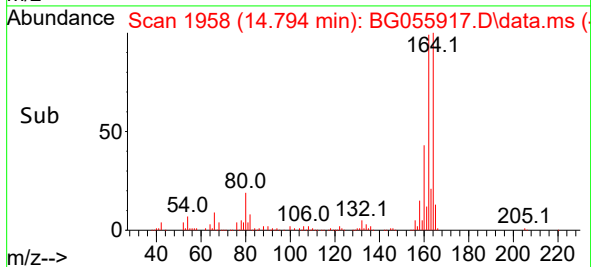
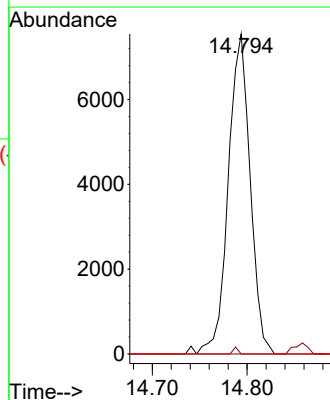
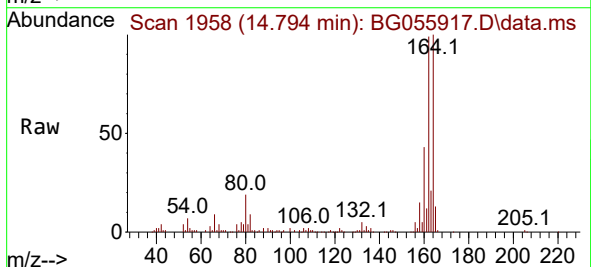
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

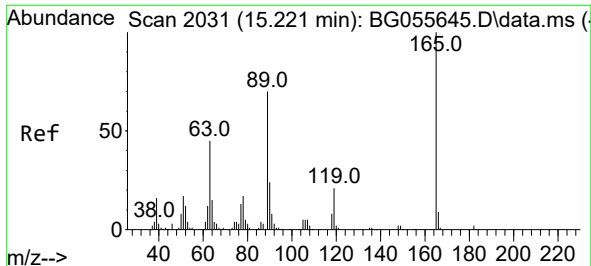
Tgt Ion:172 Resp: 495862
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 24.2 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.533 ng
RT: 14.794 min Scan# 1958
Delta R.T. 0.421 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:165 Resp: 12138
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 6.052 ng

RT: 14.794 min Scan# 1958

Delta R.T. -0.372 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

Tgt Ion:165 Resp: 12138

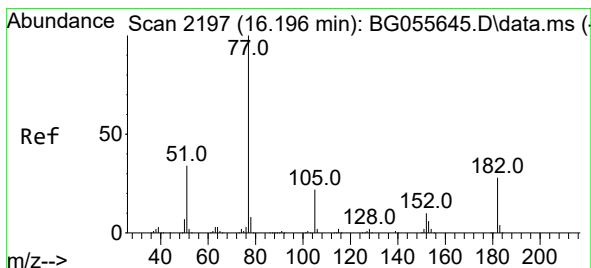
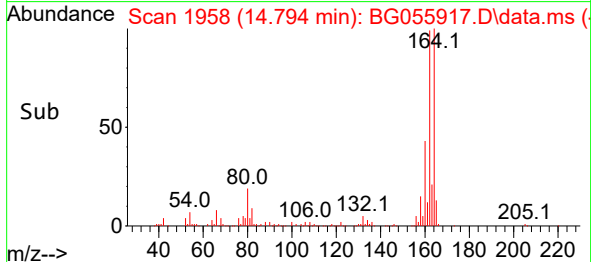
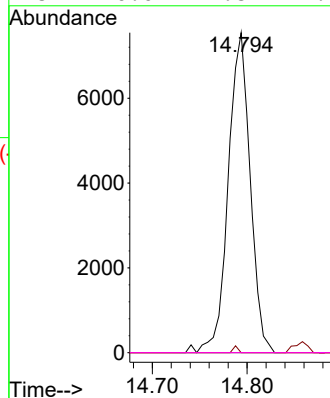
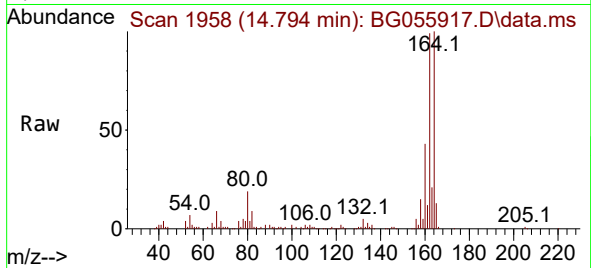
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 0.0 56.2 84.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 7.518 ng

RT: 16.139 min Scan# 2187

Delta R.T. 0.022 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

Tgt Ion: 77 Resp: 46167

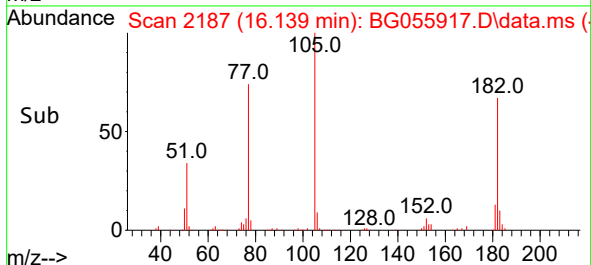
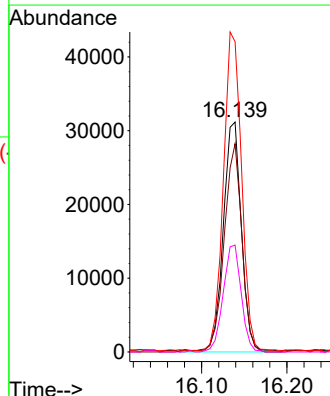
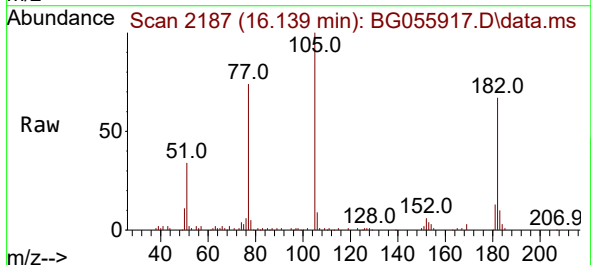
Ion Ratio Lower Upper

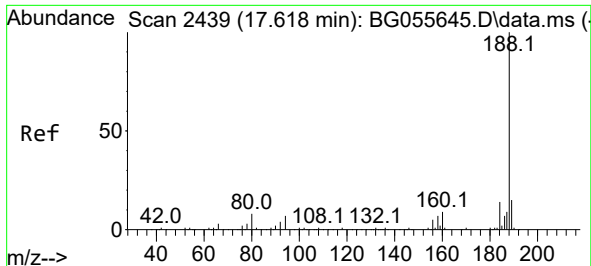
77 100

182 90.6 8.1 48.1#

105 135.0 1.8 41.8#

51 46.5 14.3 54.3

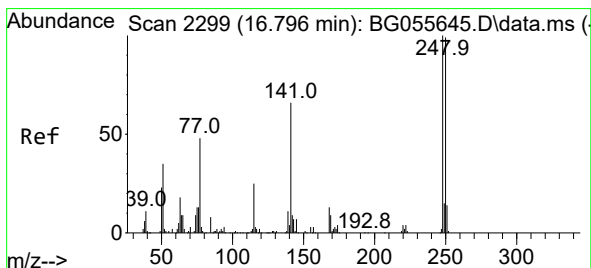
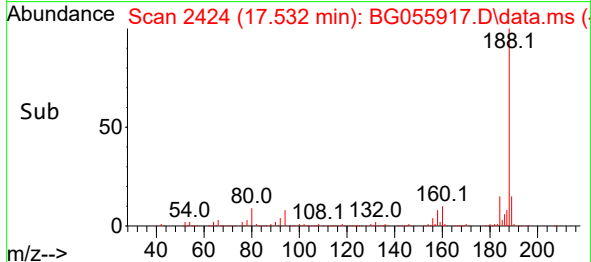
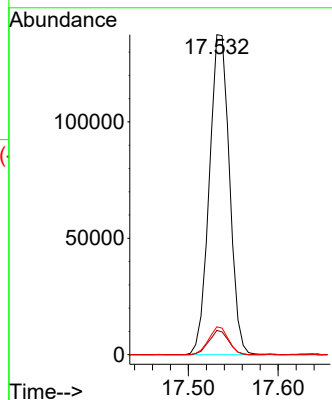
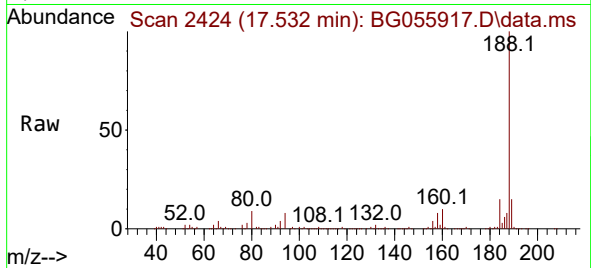




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.532 min Scan# 2439
Delta R.T. -0.014 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

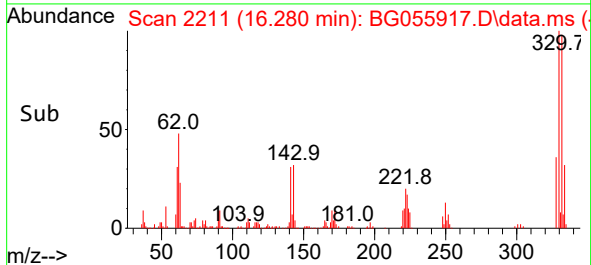
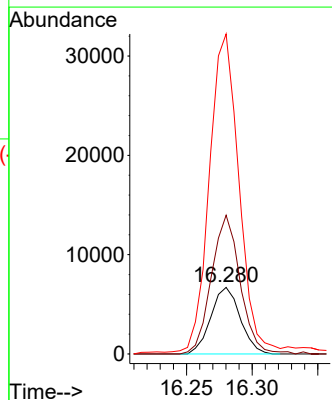
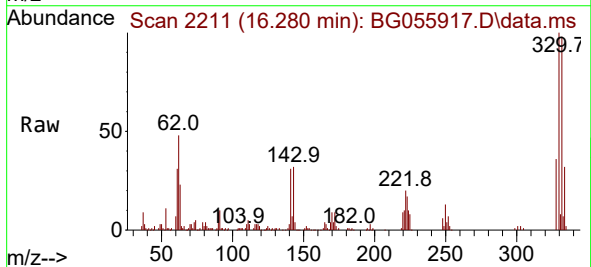
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

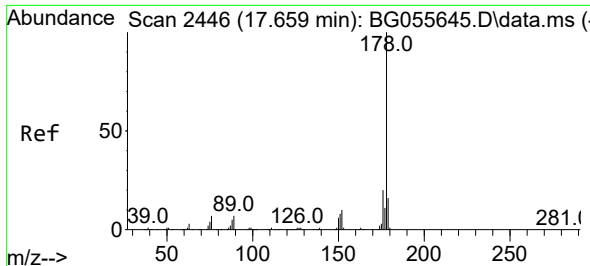
Tgt Ion:188 Resp: 214203
Ion Ratio Lower Upper
188 100
94 7.6 5.4 8.2
80 8.7 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 4.265 ng
RT: 16.280 min Scan# 2211
Delta R.T. -0.442 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:248 Resp: 10410
Ion Ratio Lower Upper
248 100
250 208.3 79.0 118.4#
141 480.7 52.9 79.3#

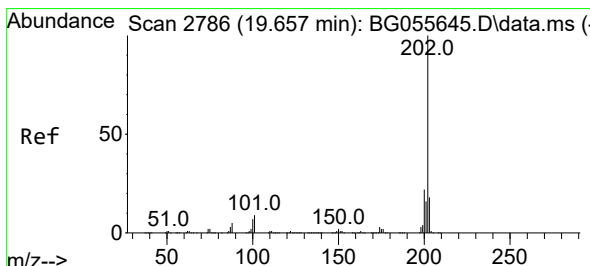
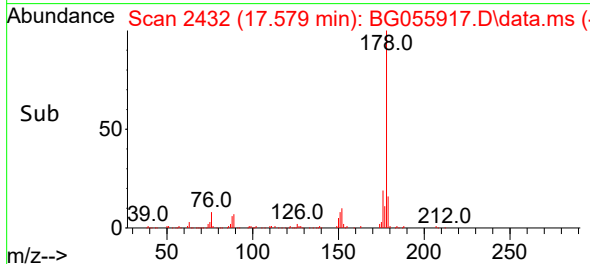
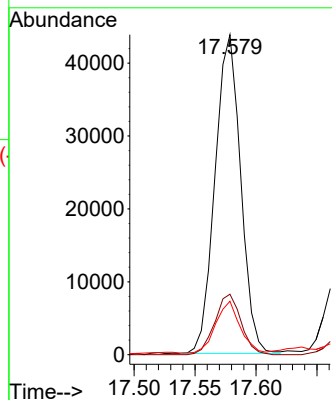
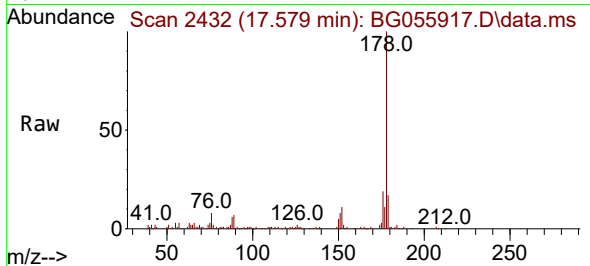




#71
Phenanthrene
Concen: 5.534 ng
RT: 17.579 min Scan# 2446
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

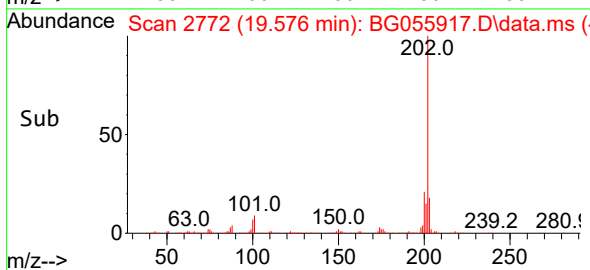
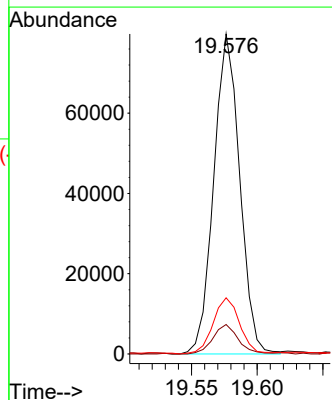
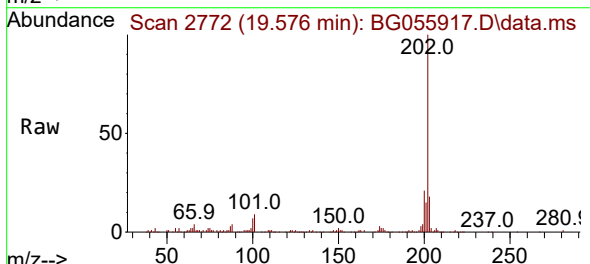
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

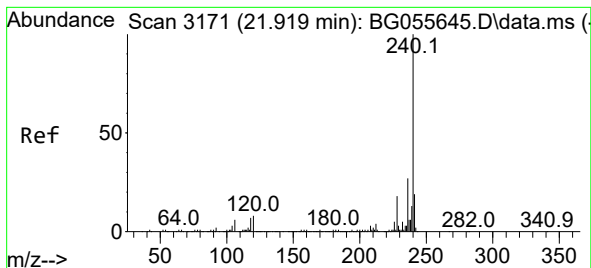
Tgt Ion:178 Resp: 63973
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 16.7 12.7 19.1



#75
Fluoranthene
Concen: 7.796 ng
RT: 19.576 min Scan# 2772
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:202 Resp: 109628
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 17.6 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.815 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

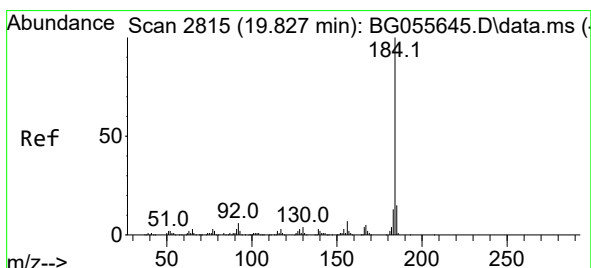
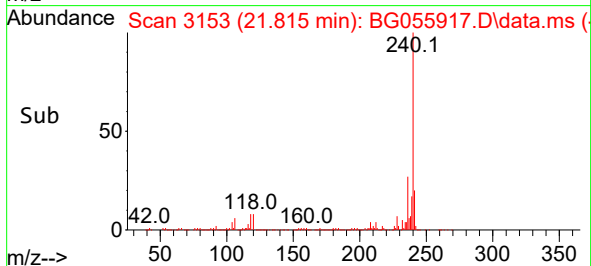
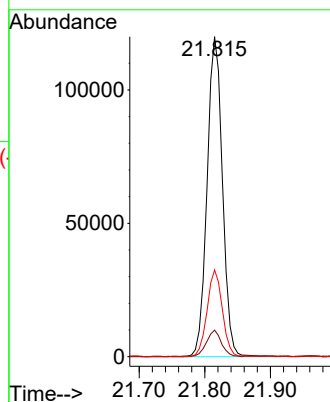
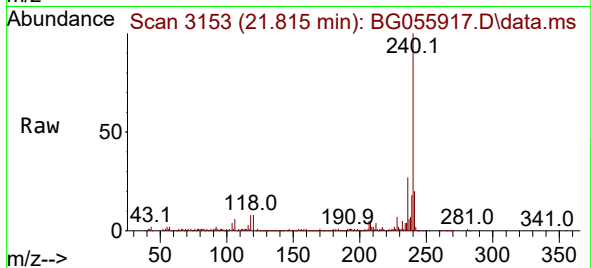
Tgt Ion:240 Resp: 195296

Ion Ratio Lower Upper

240 100

120 8.3 6.3 9.5

236 27.1 21.9 32.9



#77

Benzidine

Concen: 3.015 ng

RT: 20.123 min Scan# 2865

Delta R.T. 0.368 min

Lab File: BG055917.D

Acq: 7 Dec 2022 17:00

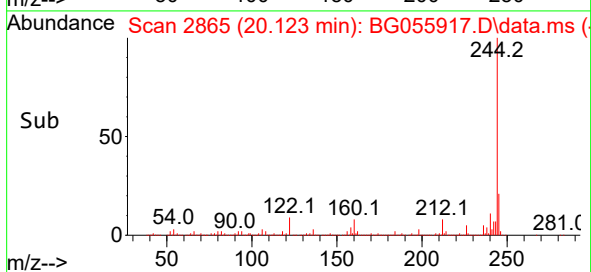
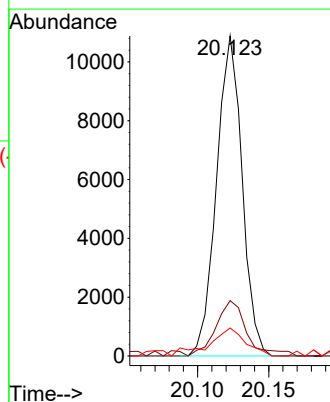
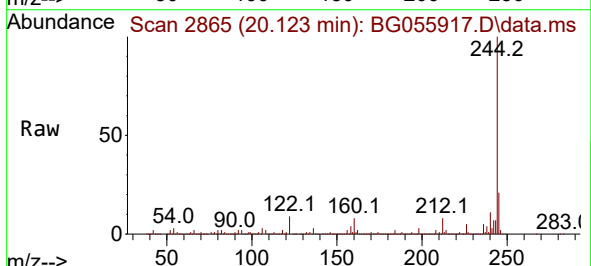
Tgt Ion:184 Resp: 13624

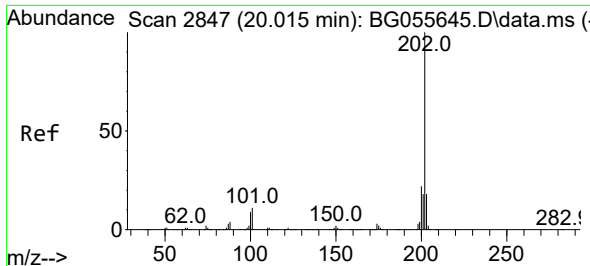
Ion Ratio Lower Upper

184 100

185 17.3 11.8 17.8

183 8.8 10.6 15.8#

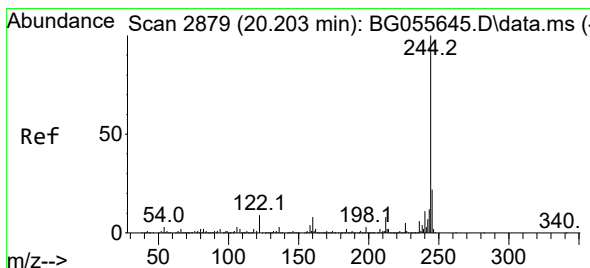
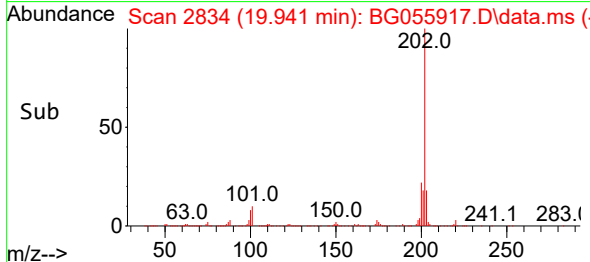
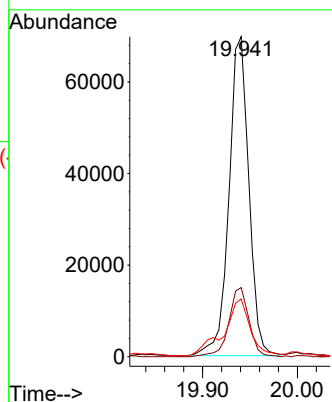
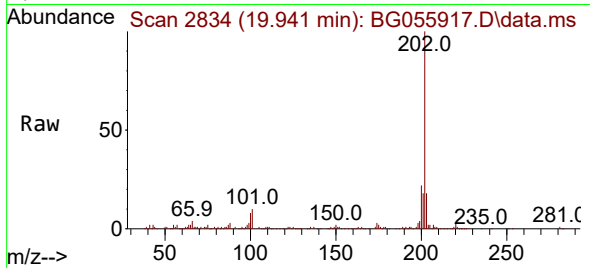




#78
 Pyrene
 Concen: 7.663 ng
 RT: 19.941 min Scan# 2847
 Delta R.T. -0.008 min
 Lab File: BG055917.D
 Acq: 7 Dec 2022 17:00

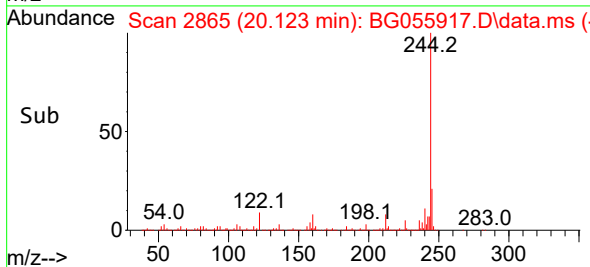
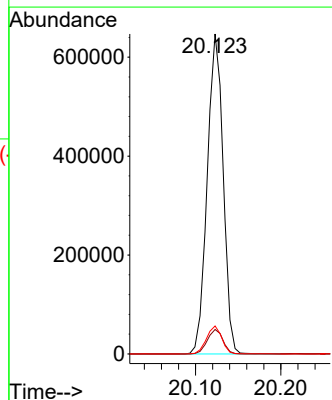
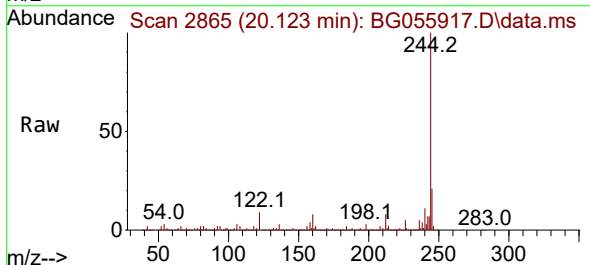
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

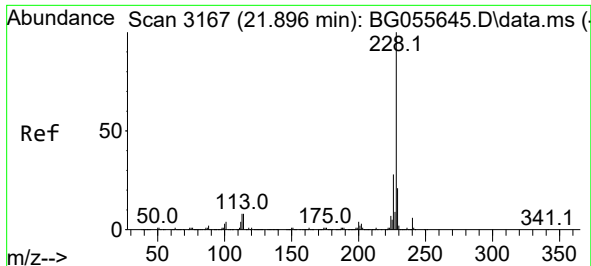
Tgt Ion:202 Resp: 101293
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.8 26.6
 203 18.0 14.4 21.6



#79
 Terphenyl-d14
 Concen: 86.115 ng
 RT: 20.123 min Scan# 2865
 Delta R.T. -0.008 min
 Lab File: BG055917.D
 Acq: 7 Dec 2022 17:00

Tgt Ion:244 Resp: 840840
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 8.8 6.9 10.3

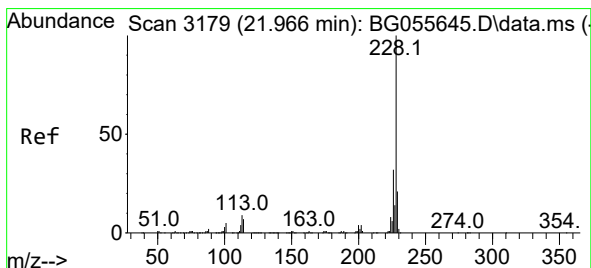
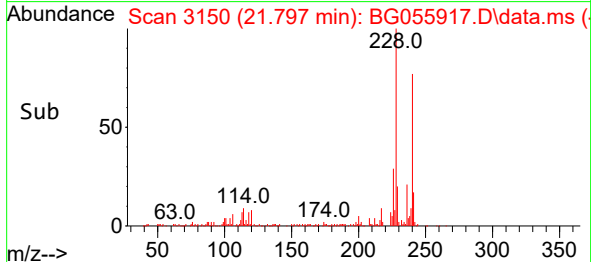
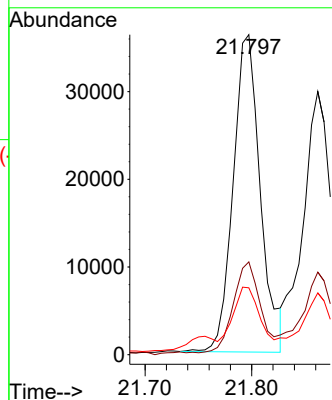
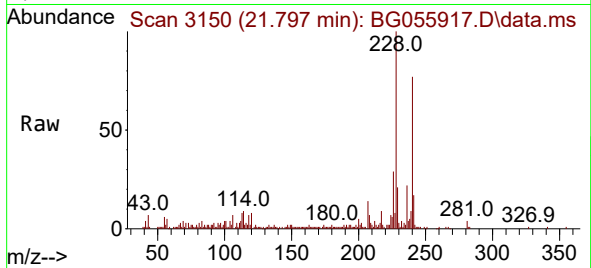




#81
Benzo(a)anthracene
Concen: 4.760 ng
RT: 21.797 min Scan# 3161
Delta R.T. -0.008 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

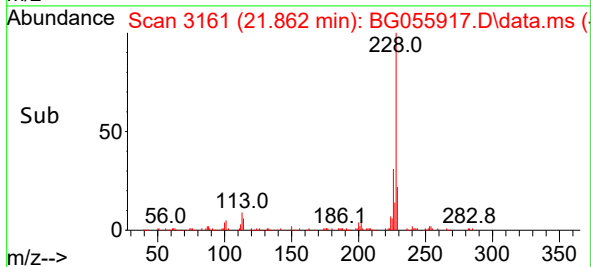
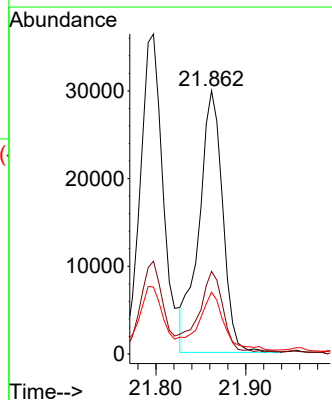
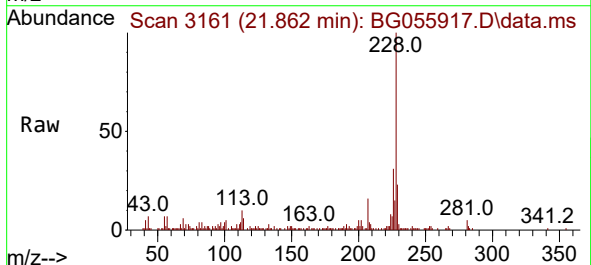
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

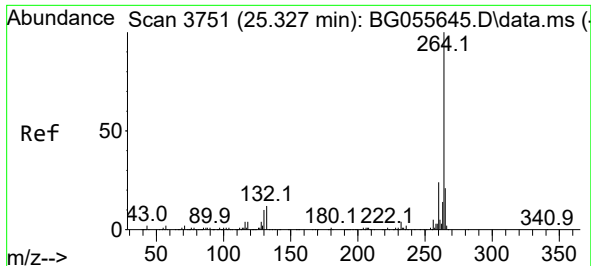
Tgt Ion:228 Resp: 64030
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.9 16.5 24.7



#83
Chrysene
Concen: 4.282 ng
RT: 21.862 min Scan# 3161
Delta R.T. -0.014 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

Tgt Ion:228 Resp: 54836
Ion Ratio Lower Upper
228 100
226 31.4 25.4 38.2
229 23.4 17.1 25.7

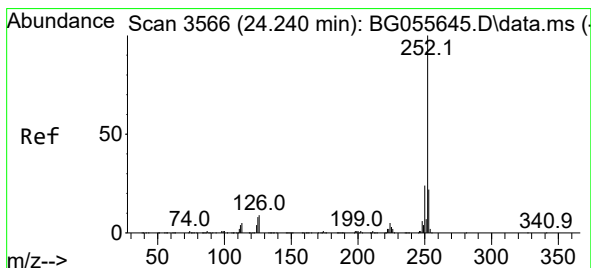
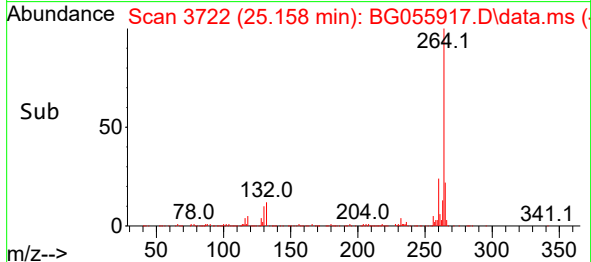
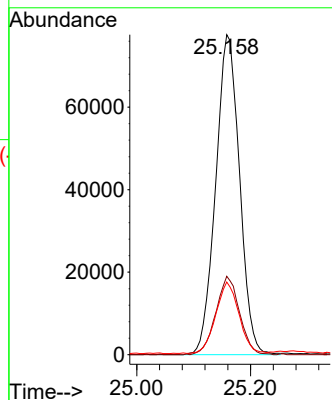
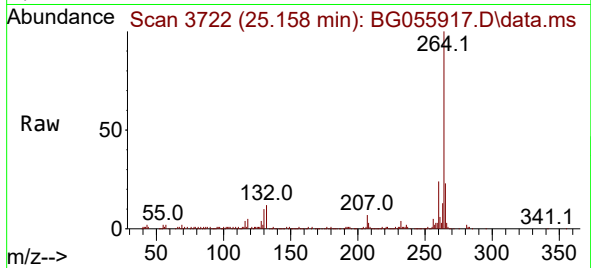




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.158 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: BG055917.D
 Acq: 7 Dec 2022 17:00

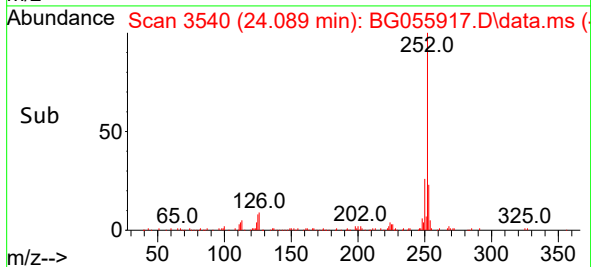
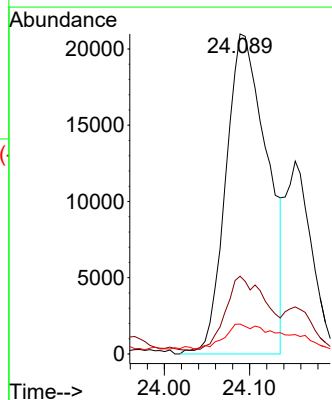
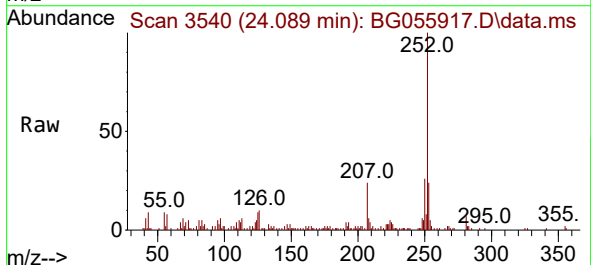
Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

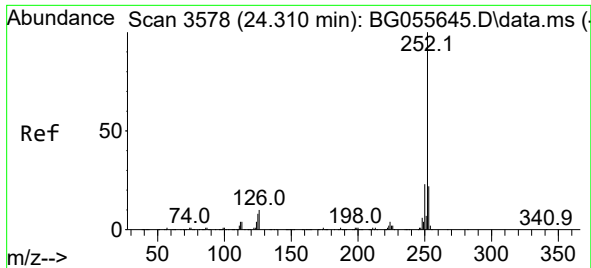
Tgt Ion:264 Resp: 226131
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 22.7 17.1 25.7



#88
 Benzo(b)fluoranthene
 Concen: 4.795 ng
 RT: 24.089 min Scan# 3540
 Delta R.T. -0.019 min
 Lab File: BG055917.D
 Acq: 7 Dec 2022 17:00

Tgt Ion:252 Resp: 70614
 Ion Ratio Lower Upper
 252 100
 253 24.3 18.0 27.0
 125 9.4 6.2 9.2#

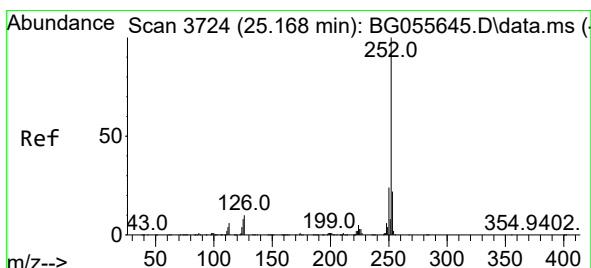
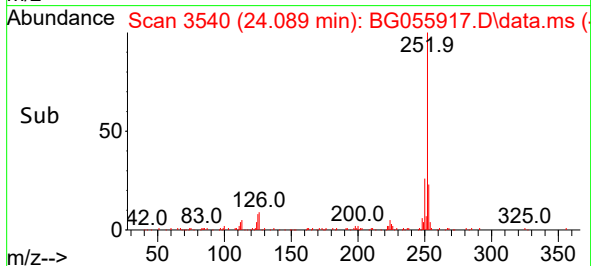
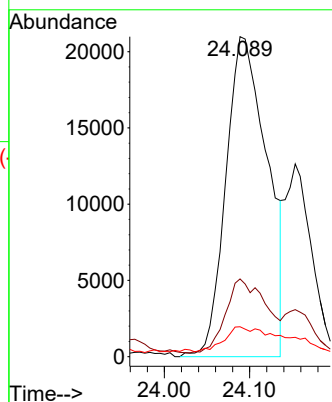
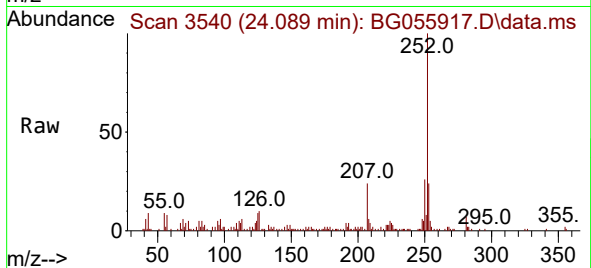




#89
Benzo(k)fluoranthene
Concen: 4.810 ng
RT: 24.089 min Scan# 31
Delta R.T. -0.090 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

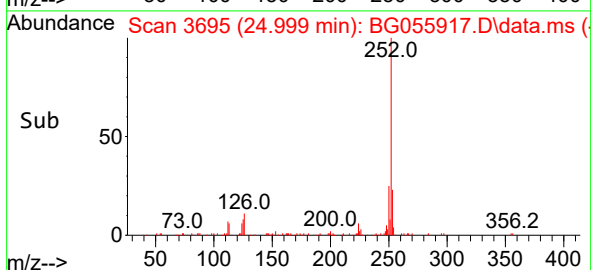
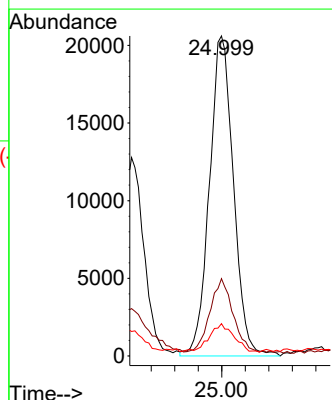
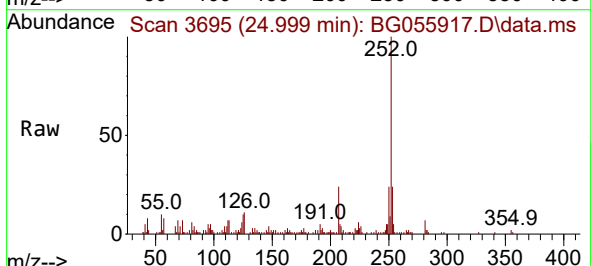
Instrument :
BNA_G
ClientSampleId :
COMPOSITE

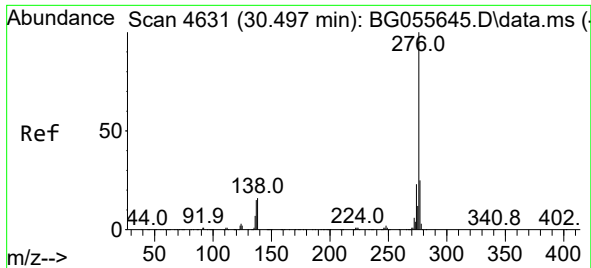
Tgt Ion:252 Resp: 70614
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 9.4 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 4.631 ng
RT: 24.999 min Scan# 3695
Delta R.T. -0.019 min
Lab File: BG055917.D
Acq: 7 Dec 2022 17:00

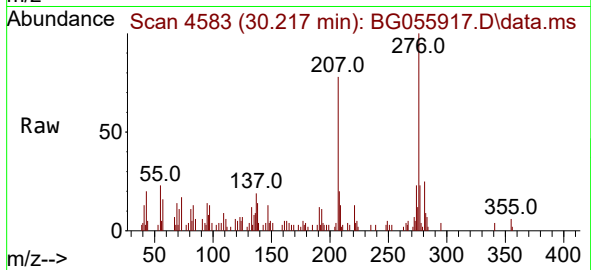
Tgt Ion:252 Resp: 58529
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 10.1 6.4 9.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.166 ng
 RT: 30.217 min Scan# 4
 Delta R.T. -0.037 min
 Lab File: BG055917.D
 Acq: 7 Dec 2022 17:00

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE



Tgt Ion:	276	Resp:	33054
Ion Ratio	Lower	Upper	
276	100		
277	22.9	19.8	29.6
138	14.0	13.1	19.7

