

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056542.D
 Acq On : 3 Feb 2023 17:11
 Operator : CG/JU
 Sample : 01348-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-H5(31-32)

Quant Time: Feb 04 05:12:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

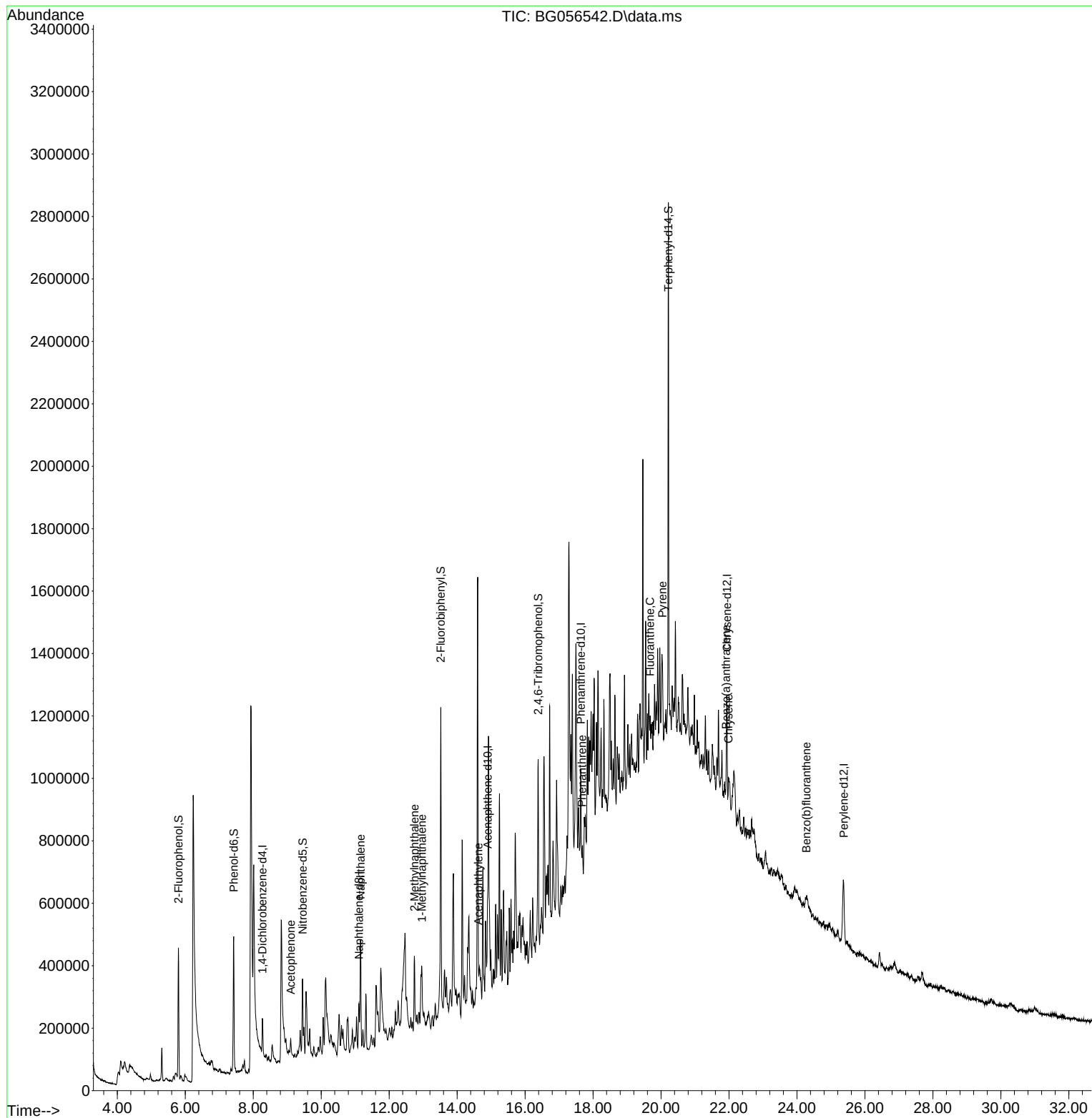
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	38531	20.000	ng	# 0.00
21) Naphthalene-d8	11.110	136	140607	20.000	ng	0.00
39) Acenaphthene-d10	14.900	164	100171	20.000	ng	0.00
64) Phenanthrene-d10	17.638	188	213836	20.000	ng	# 0.00
76) Chrysene-d12	21.939	240	212302	20.000	ng	# 0.01
86) Perylene-d12	25.376	264	232160	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	246776	117.818	ng	0.00
7) Phenol-d6	7.426	99	329866	106.290	ng	0.00
23) Nitrobenzene-d5	9.453	82	173185	69.942	ng	0.00
42) 2,4,6-Tribromophenol	16.386	330	129329	97.115	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	519392	71.887	ng	0.00
79) Terphenyl-d14	20.217	244	869991	71.974	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	9.101	105	44834	12.001	ng	# 90
31) Naphthalene	11.163	128	311569	41.983	ng	98
37) 2-Methylnaphthalene	12.743	142	102959	16.828	ng	# 89
38) 1-Methylnaphthalene	12.961	142	79703	13.949	ng	# 94
49) Acenaphthylene	14.629	152	55784	6.037	ng	# 89
71) Phenanthrene	17.679	178	33894	3.028	ng	# 93
75) Fluoranthene	19.677	202	56546	4.003	ng	87
78) Pyrene	20.041	202	92655	6.136	ng	94
81) Benzo(a)anthracene	21.915	228	53394	3.597	ng	# 85
83) Chrysene	21.980	228	55685	3.993	ng	# 90
88) Benzo(b)fluoranthene	24.277	252	38830	2.695	ng	# 86

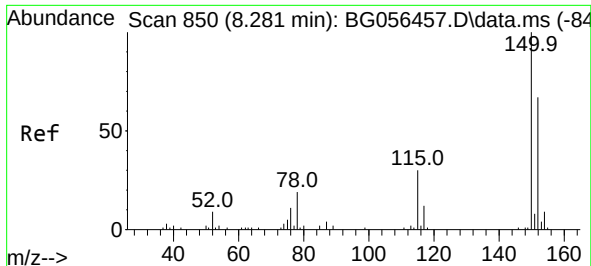
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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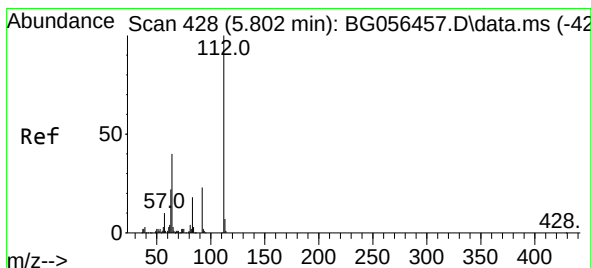
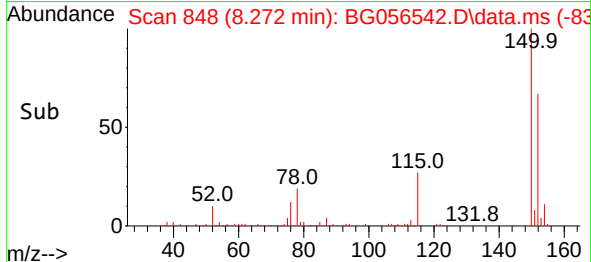
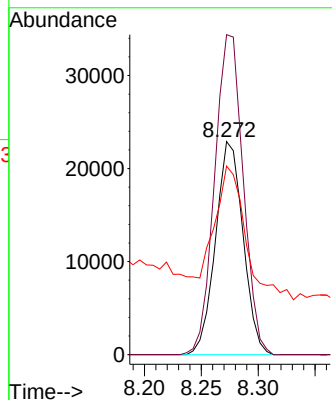
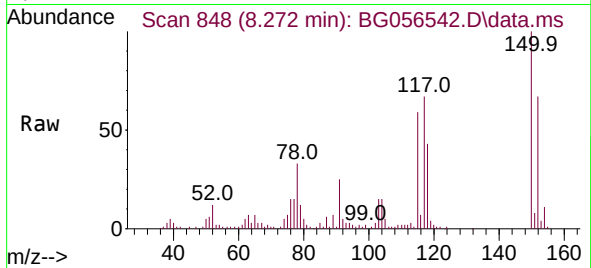




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

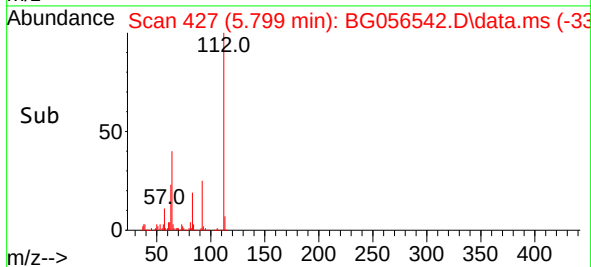
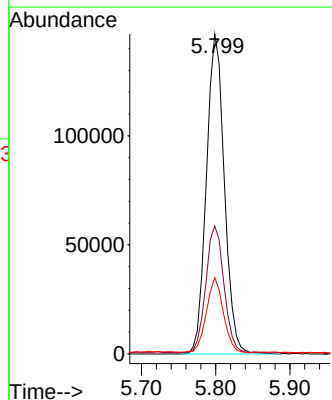
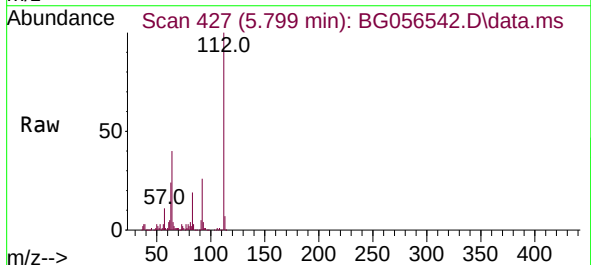
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

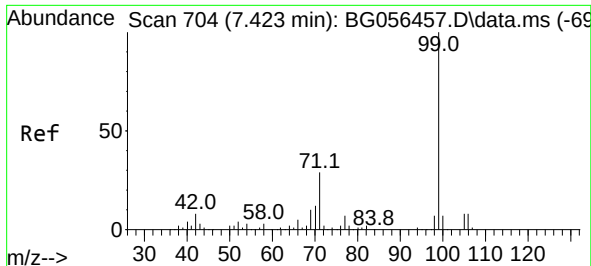
Tgt Ion:152 Resp: 38531
Ion Ratio Lower Upper
152 100
150 150.2 120.2 180.4
115 88.5 36.3 54.5#



#5
2-Fluorophenol
Concen: 117.818 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:112 Resp: 246776
Ion Ratio Lower Upper
112 100
64 40.0 31.9 47.9
63 23.8 17.4 26.0

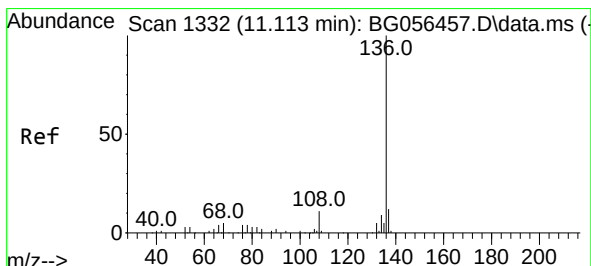
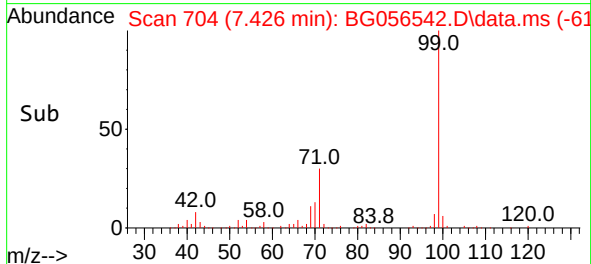
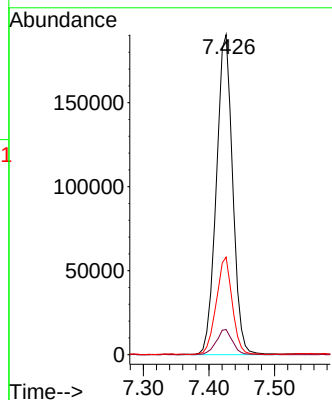
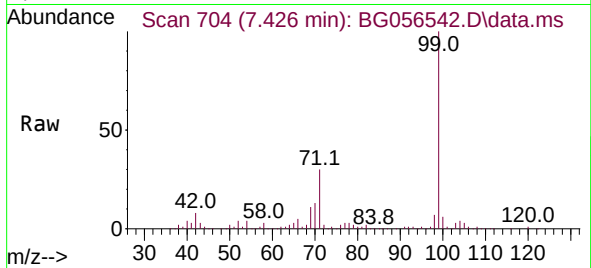




#7
Phenol-d6
Concen: 106.290 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

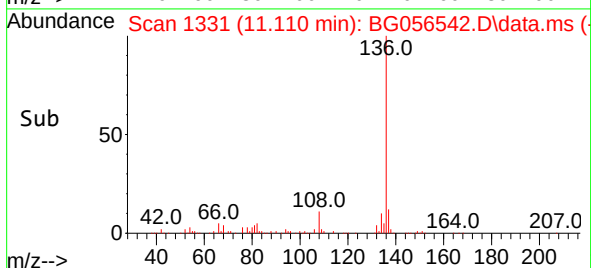
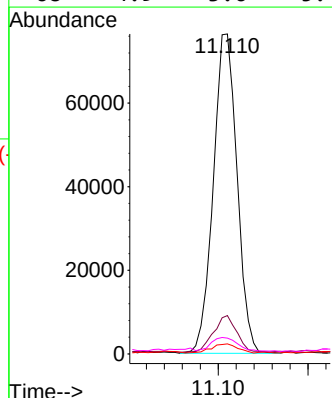
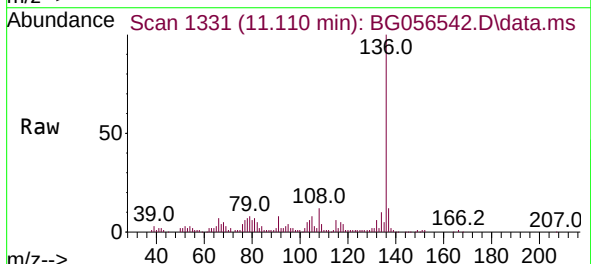
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

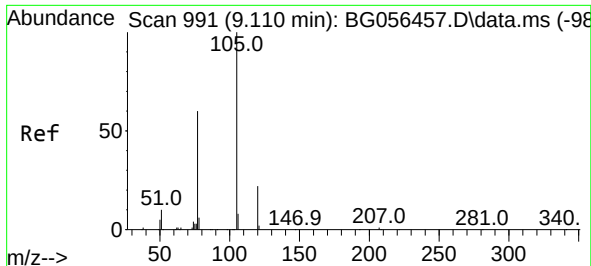
Tgt Ion: 99 Resp: 329866
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 30.5 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.110 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:136 Resp: 140607
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 3.1 2.2 3.4
68 4.9 3.6 5.4

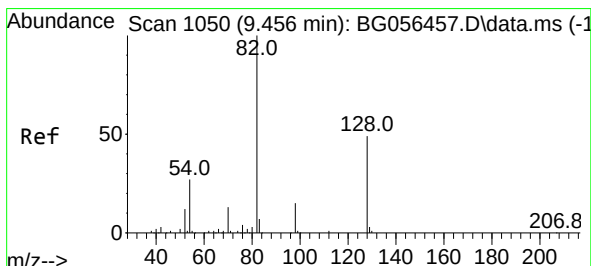
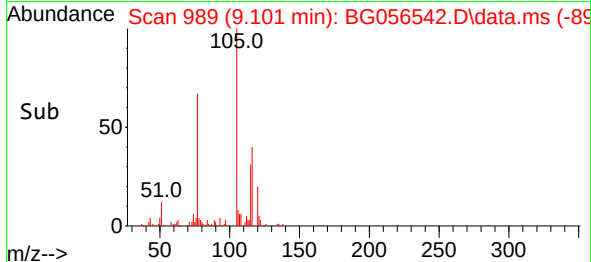
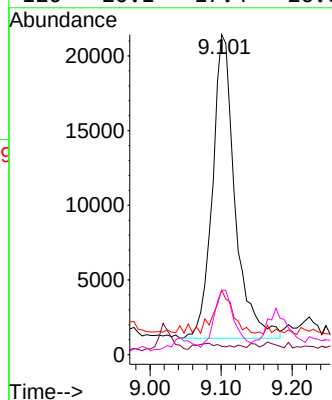
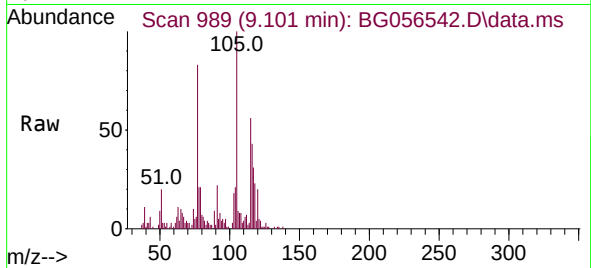




#22
Acetophenone
Concen: 12.001 ng
RT: 9.101 min Scan# 989
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

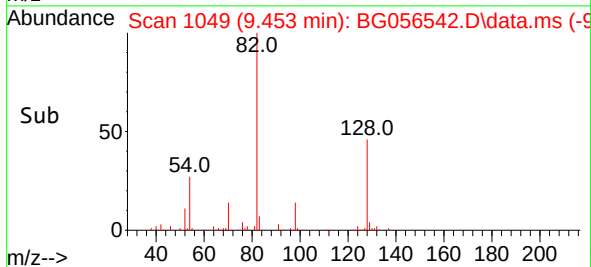
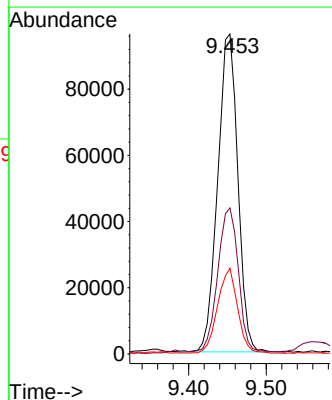
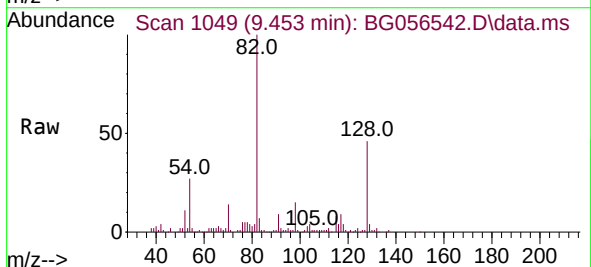
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

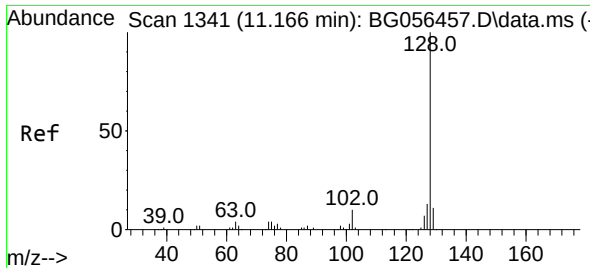
Tgt Ion:105 Resp: 44834
Ion Ratio Lower Upper
105 100
71 2.6 0.6 0.8#
51 20.1 9.2 13.8#
120 20.1 17.4 26.0



#23
Nitrobenzene-d5
Concen: 69.942 ng
RT: 9.453 min Scan# 1049
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion: 82 Resp: 173185
Ion Ratio Lower Upper
82 100
128 45.6 39.4 59.2
54 26.8 21.4 32.2

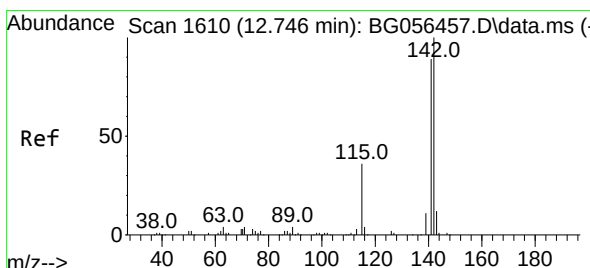
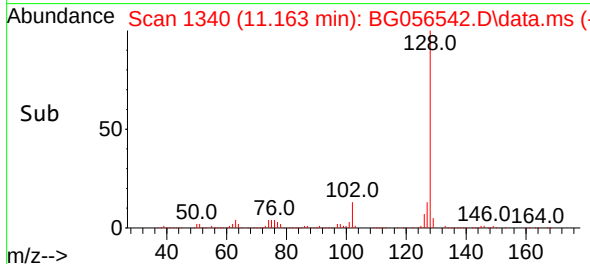
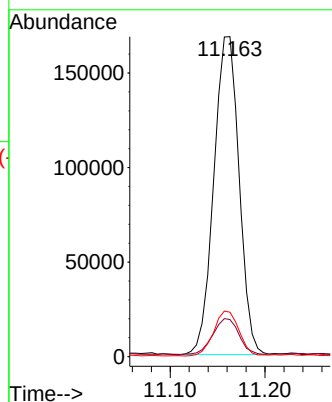
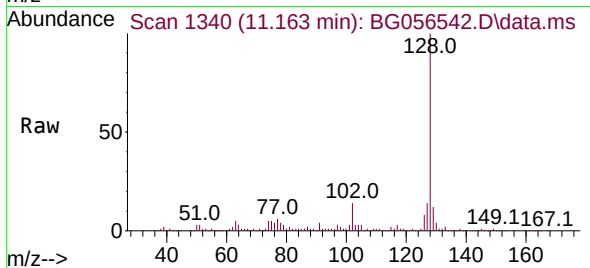




#31
Naphthalene
Concen: 41.983 ng
RT: 11.163 min Scan# 1341
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

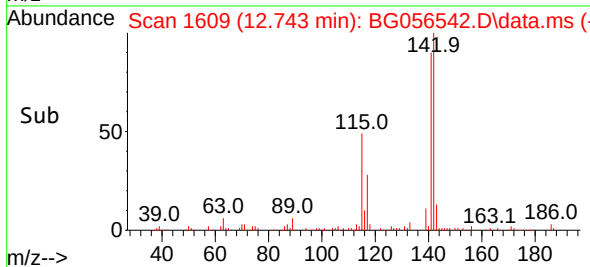
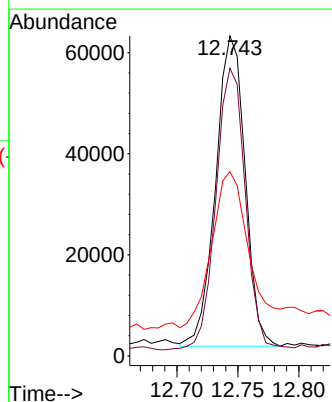
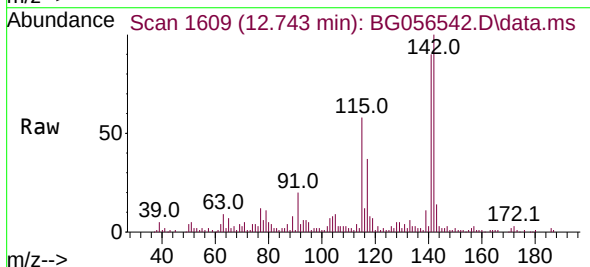
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

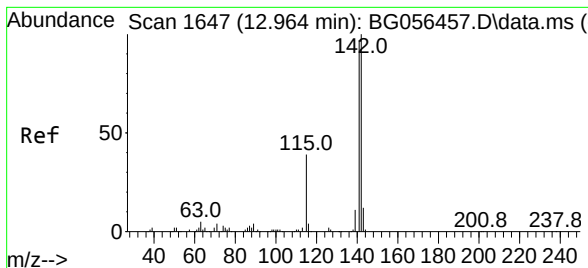
Tgt Ion:128 Resp: 311569
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.9 10.4 15.6



#37
2-Methylnaphthalene
Concen: 16.828 ng
RT: 12.743 min Scan# 1609
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:142 Resp: 102959
Ion Ratio Lower Upper
142 100
141 89.9 71.4 107.0
115 57.6 28.4 42.6#

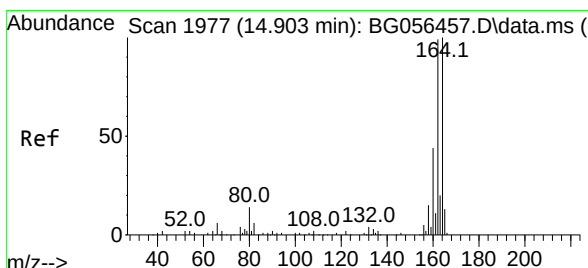
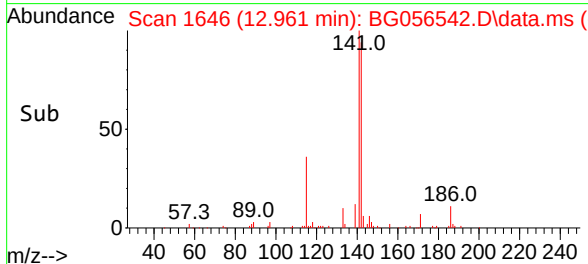
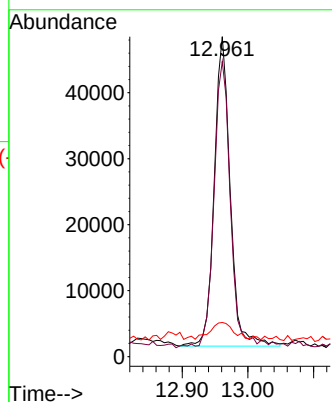
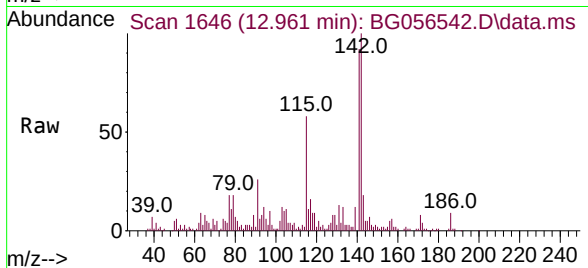




#38
1-Methylnaphthalene
Concen: 13.949 ng
RT: 12.961 min Scan# 1647
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

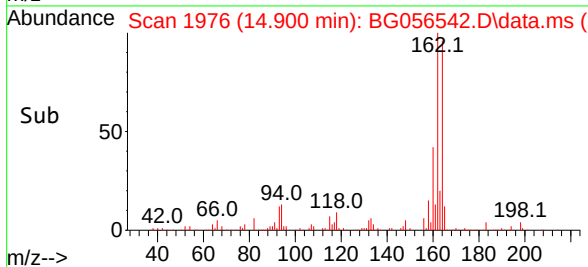
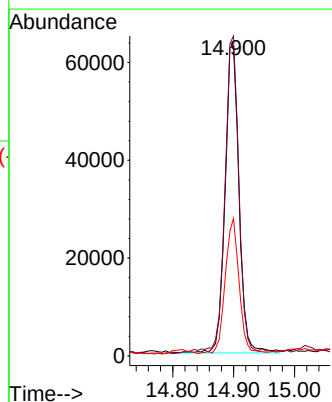
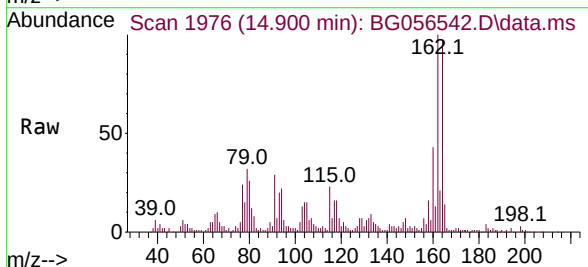
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

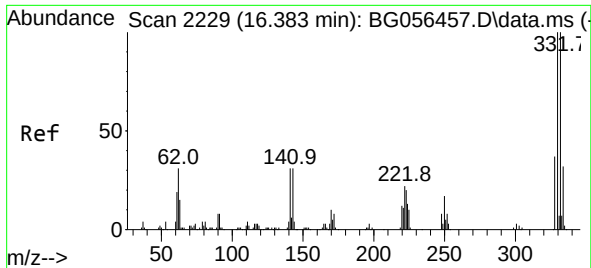
Tgt Ion:142 Resp: 79703
Ion Ratio Lower Upper
142 100
141 92.2 77.7 116.5
116 10.7 3.4 5.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.900 min Scan# 1976
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:164 Resp: 100171
Ion Ratio Lower Upper
164 100
162 103.4 79.6 119.4
160 44.4 34.9 52.3

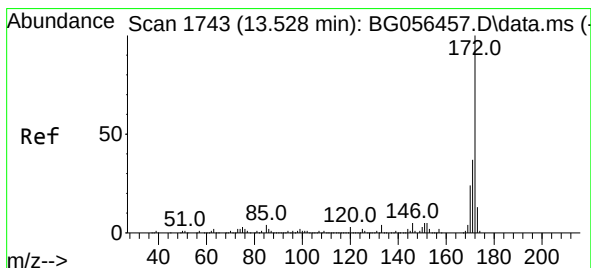
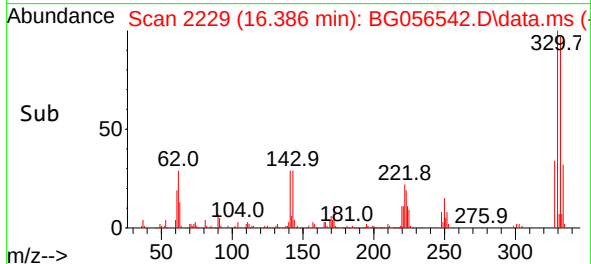
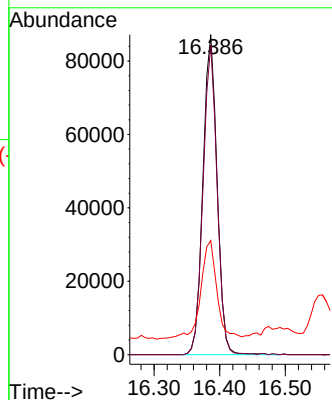
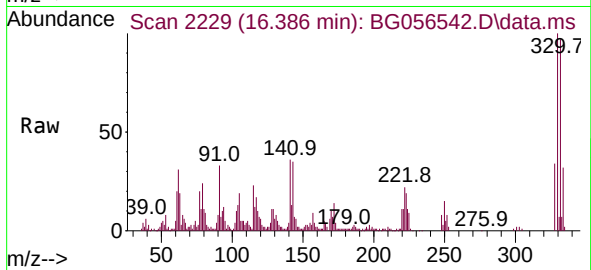




#42
2,4,6-Tribromophenol
Concen: 97.115 ng
RT: 16.386 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

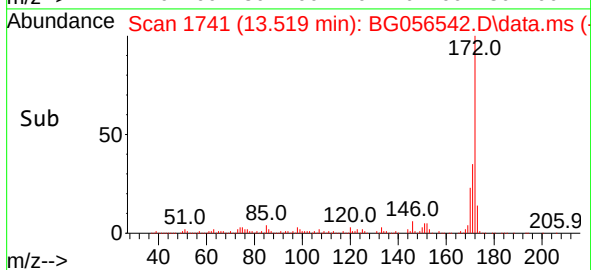
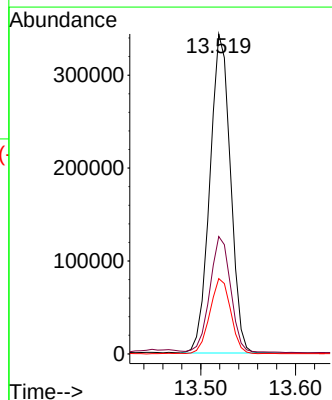
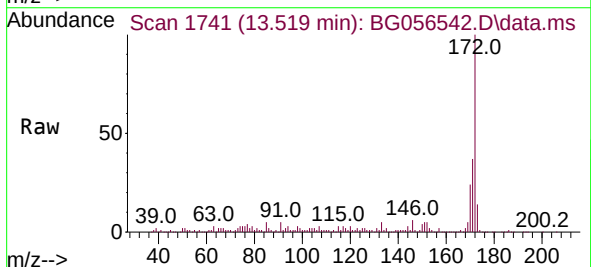
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W-H5(31-32)

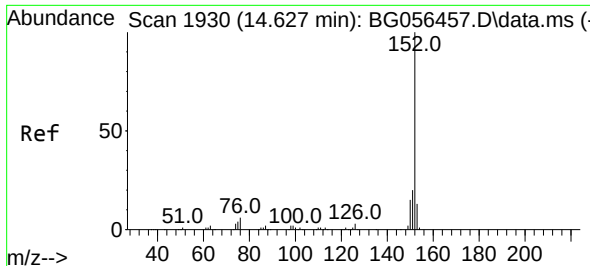
Tgt Ion:330 Resp: 129329
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.6
141 34.5 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 71.887 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:172 Resp: 519392
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 23.5 19.2 28.8

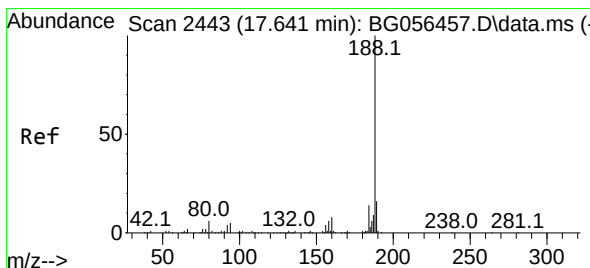
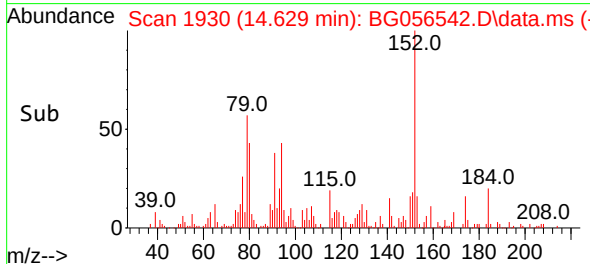
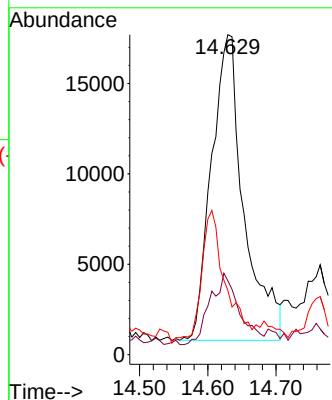
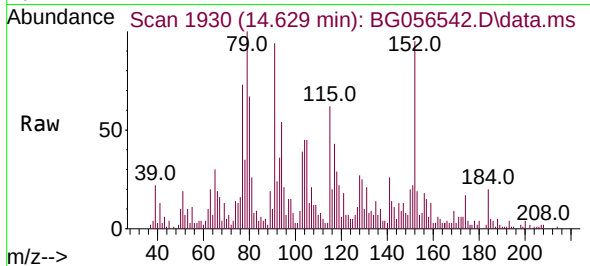




#49
Acenaphthylene
Concen: 6.037 ng
RT: 14.629 min Scan# 1930
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

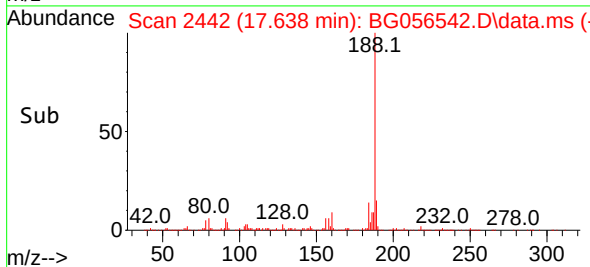
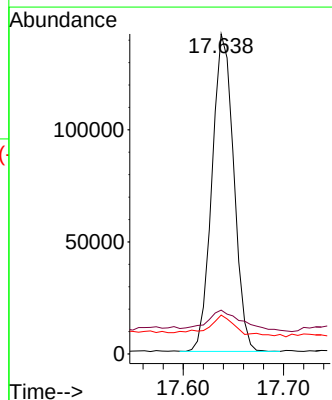
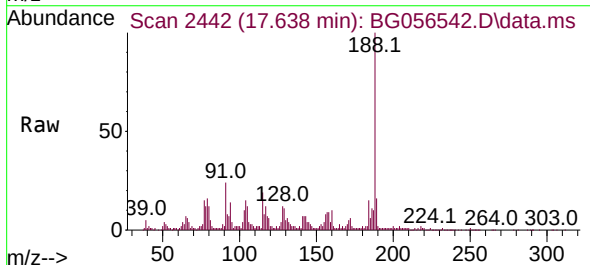
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

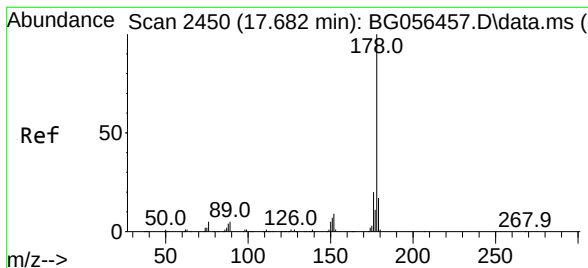
Tgt Ion:152 Resp: 55784
Ion Ratio Lower Upper
152 100
151 23.1 15.9 23.9
153 20.0 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.638 min Scan# 2442
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:188 Resp: 213836
Ion Ratio Lower Upper
188 100
94 13.7 4.1 6.1#
80 12.1 5.0 7.4#





#71

Phenanthrene

Concen: 3.028 ng

RT: 17.679 min Scan# 24

Delta R.T. 0.003 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

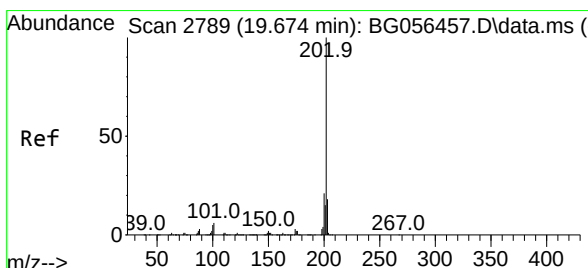
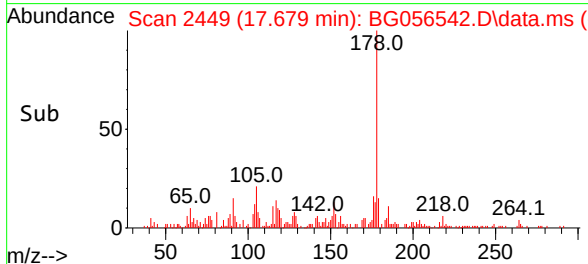
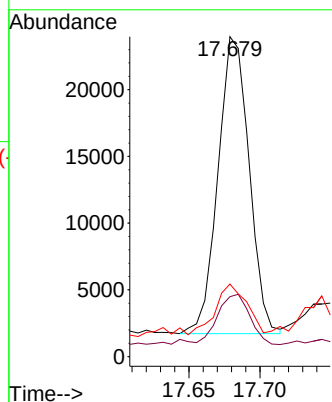
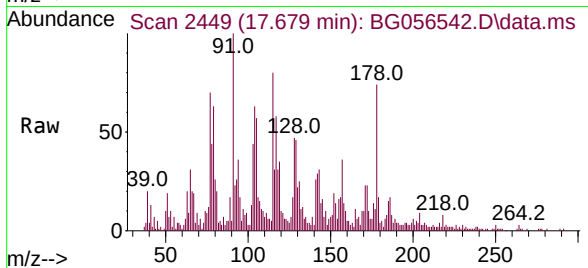
Tgt Ion:178 Resp: 33894

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 22.7 13.3 19.9#



#75

Fluoranthene

Concen: 4.003 ng

RT: 19.677 min Scan# 2789

Delta R.T. 0.009 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

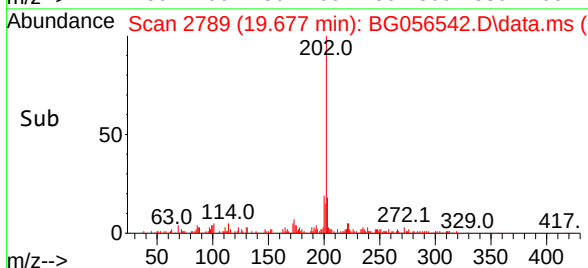
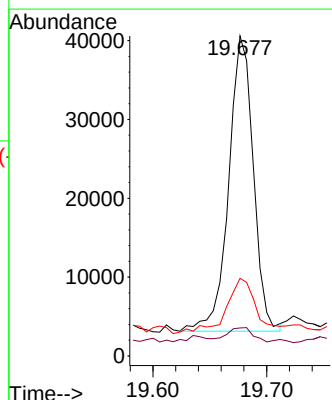
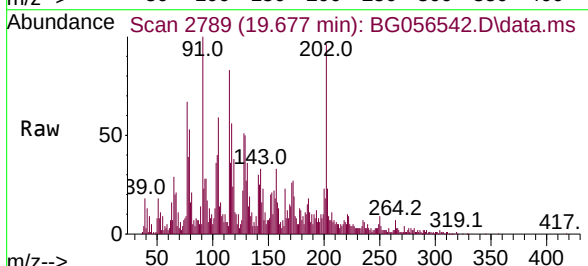
Tgt Ion:202 Resp: 56546

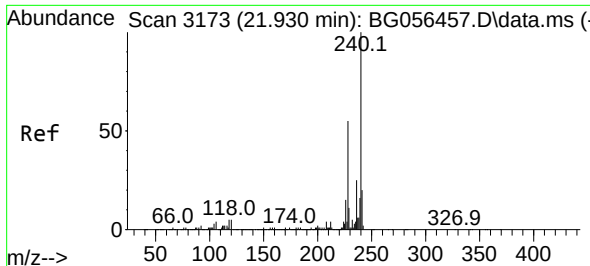
Ion Ratio Lower Upper

202 100

101 8.7 0.0 25.6

203 24.2 0.0 38.1

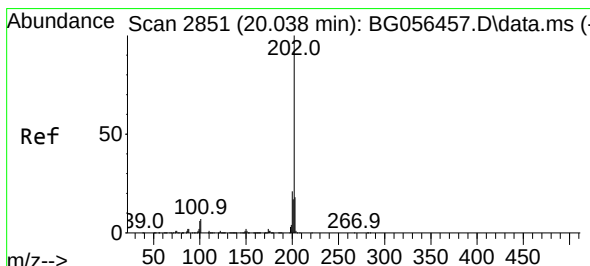
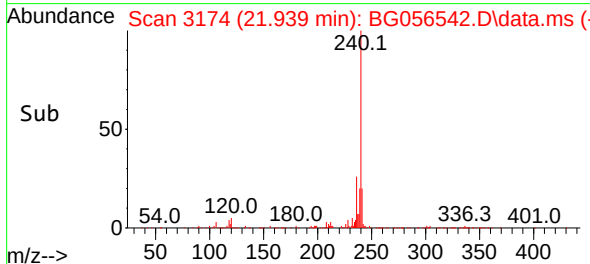
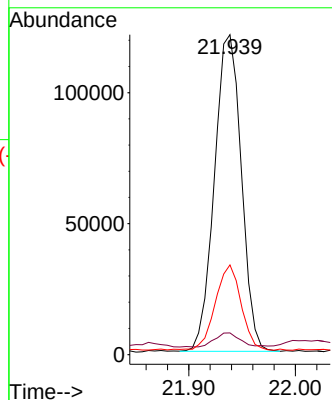
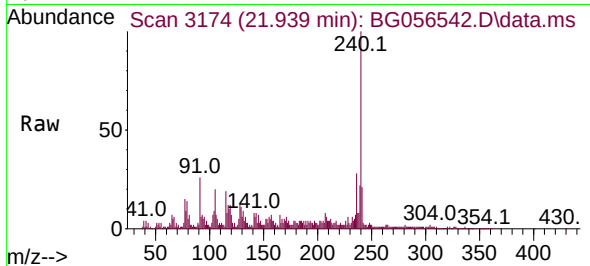




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.939 min Scan# 3173
Delta R.T. 0.014 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

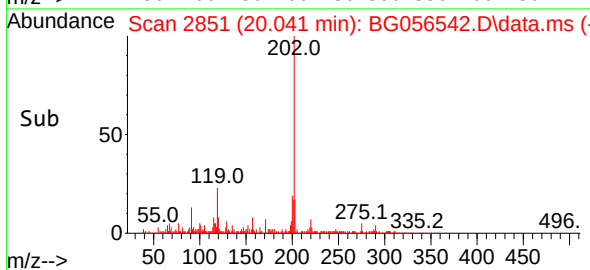
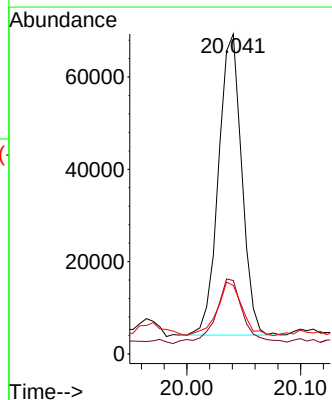
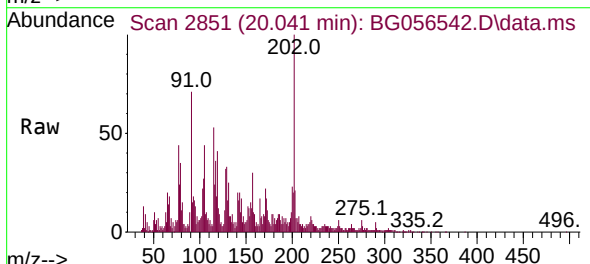
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

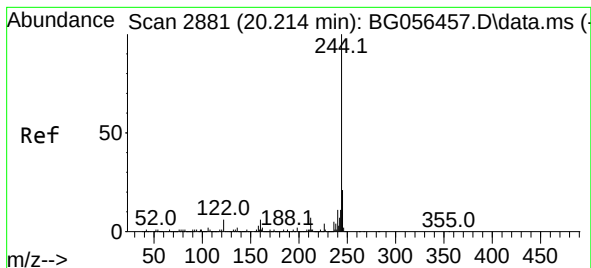
Tgt Ion:240 Resp: 212302
Ion Ratio Lower Upper
240 100
120 6.8 3.8 5.8#
236 28.0 20.2 30.2



#78
Pyrene
Concen: 6.136 ng
RT: 20.041 min Scan# 2851
Delta R.T. 0.009 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:202 Resp: 92655
Ion Ratio Lower Upper
202 100
200 23.0 16.7 25.1
203 21.4 14.4 21.6





#79

Terphenyl-d14

Concen: 71.974 ng

RT: 20.217 min Scan# 2881

Delta R.T. 0.009 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)

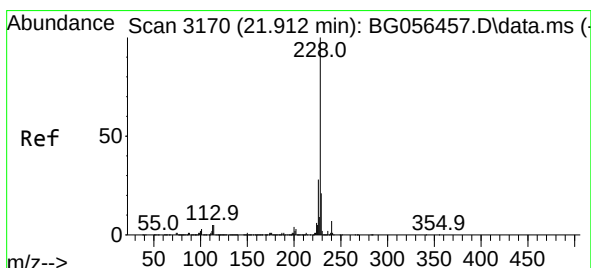
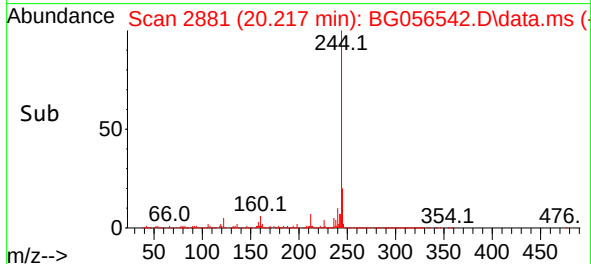
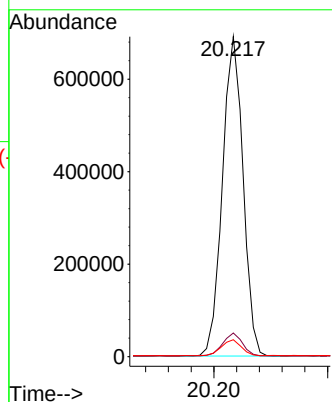
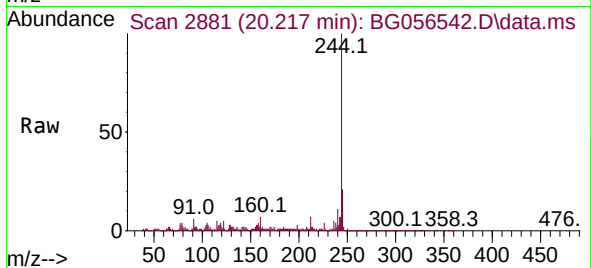
Tgt Ion:244 Resp: 869991

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 5.3 4.4 6.6



#81

Benzo(a)anthracene

Concen: 3.597 ng

RT: 21.915 min Scan# 3170

Delta R.T. 0.014 min

Lab File: BG056542.D

Acq: 3 Feb 2023 17:11

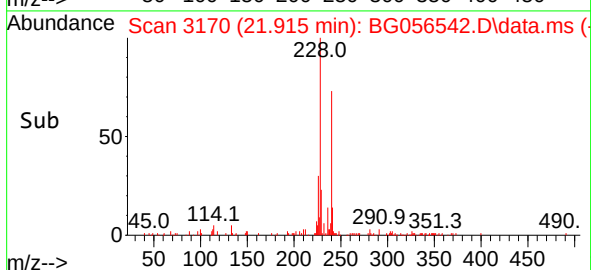
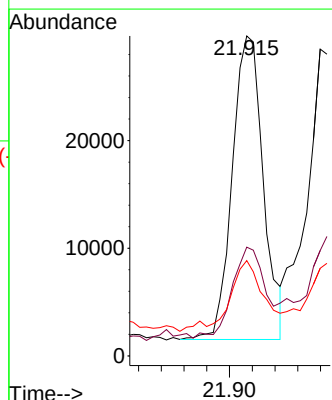
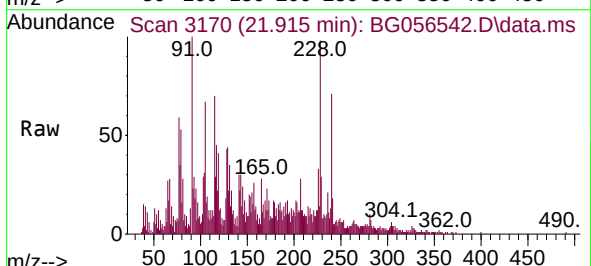
Tgt Ion:228 Resp: 53394

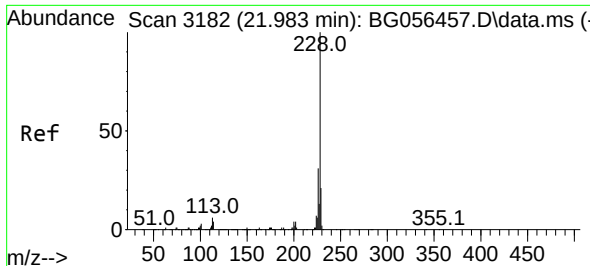
Ion Ratio Lower Upper

228 100

226 34.0 22.4 33.6#

229 29.8 16.5 24.7#

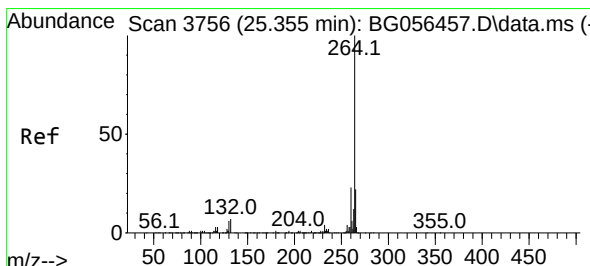
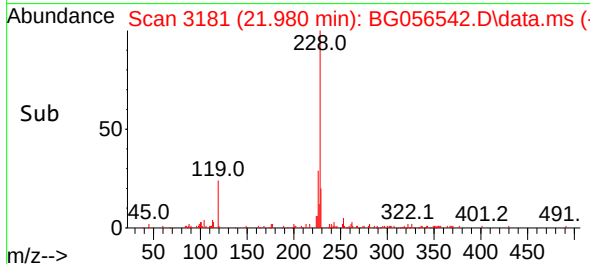
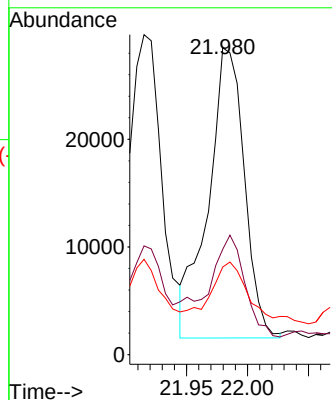
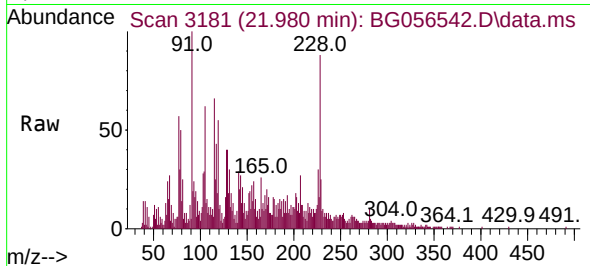




#83
Chrysene
Concen: 3.993 ng
RT: 21.980 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

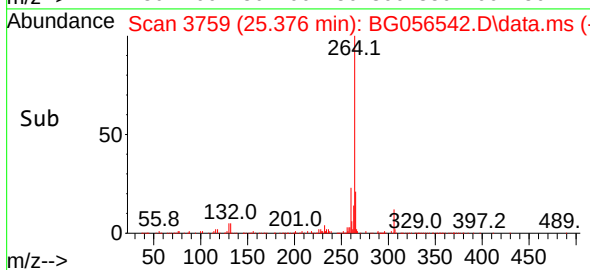
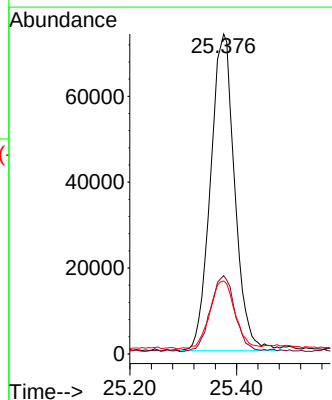
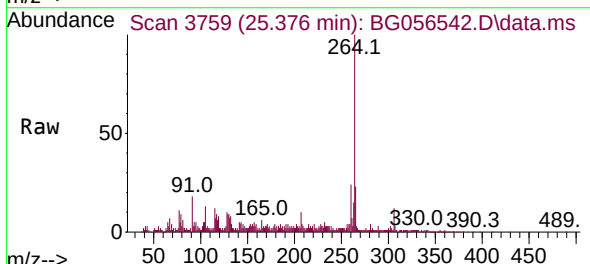
Instrument :
BNA_G
ClientSampleId :
W-H5(31-32)

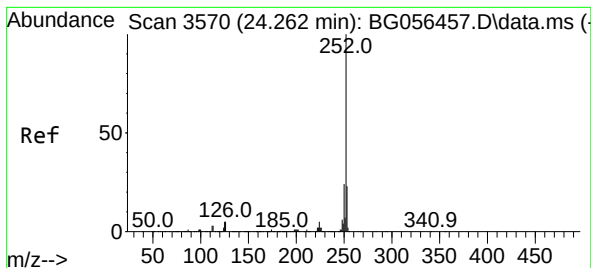
Tgt Ion:228 Resp: 55685
Ion Ratio Lower Upper
228 100
226 34.4 25.0 37.4
229 28.6 16.4 24.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.376 min Scan# 3759
Delta R.T. 0.032 min
Lab File: BG056542.D
Acq: 3 Feb 2023 17:11

Tgt Ion:264 Resp: 232160
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 22.8 18.1 27.1





#88

Benzo(b)fluoranthene

Concen: 2.695 ng

RT: 24.277 min Scan# 31

Delta R.T. 0.026 min

Lab File: BG056542.D

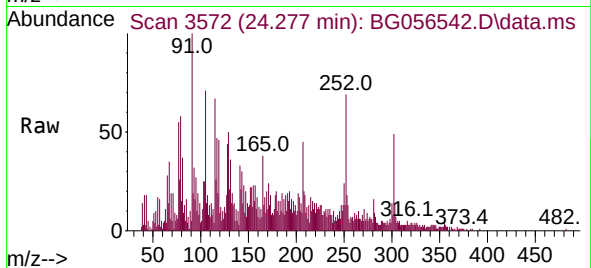
Acq: 3 Feb 2023 17:11

Instrument :

BNA_G

ClientSampleId :

W-H5(31-32)



Tgt Ion:252 Resp: 38830

Ion Ratio Lower Upper

252 100

253 26.5 18.1 27.1

125 17.7 3.9 5.9#

