

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082223\
 Data File : BG058813.D
 Acq On : 22 Aug 2023 18:28
 Operator : MA/JU
 Sample : 04075-12DL2 250X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 23 02:32:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

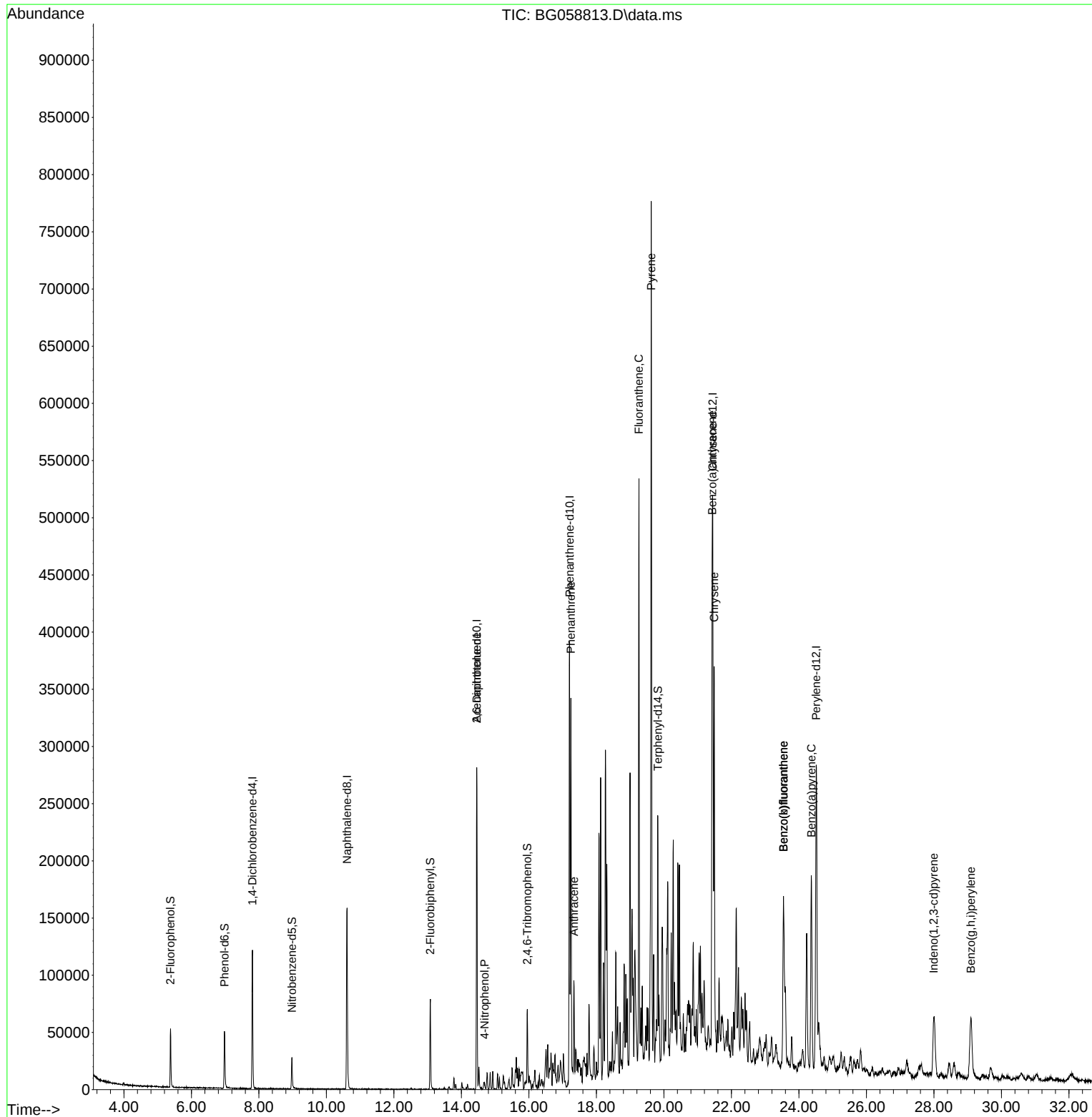
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	34274	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	148007	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	107032	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	253121	20.000	ng	0.00
76) Chrysene-d12	21.445	240	226398	20.000	ng	0.00
86) Perylene-d12	24.512	264	288626	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	23355	10.966	ng	0.00
7) Phenol-d6	6.979	99	30008	10.042	ng	0.00
23) Nitrobenzene-d5	8.977	82	18927	6.148	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	15592	9.291	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	50552	6.870	ng	0.00
79) Terphenyl-d14	19.817	244	94070	7.461	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.453	165	13705	7.872	ng	# 22
56) 4-Nitrophenol	14.688	139	55	4.501	ng	# 1
71) Phenanthrene	17.244	178	208428	17.152	ng	99
72) Anthracene	17.332	178	55277	4.536	ng	98
75) Fluoranthene	19.259	202	292478	19.409	ng	99
78) Pyrene	19.623	202	492017	31.190	ng	99
81) Benzo(a)anthracene	21.427	228	229416	14.557	ng	99
83) Chrysene	21.486	228	228996	15.075	ng	99
87) Indeno(1,2,3-cd)pyrene	27.996	276	89522	4.584	ng	# 92
88) Benzo(b)fluoranthene	23.542	252	173090	10.808	ng	100
89) Benzo(k)fluoranthene	23.542	252	173090	10.480	ng	98
90) Benzo(a)pyrene	24.371	252	177871	11.280	ng	99
92) Benzo(g,h,i)perylene	29.095	276	110793	6.906	ng	96

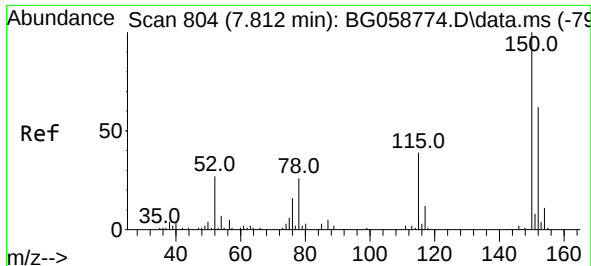
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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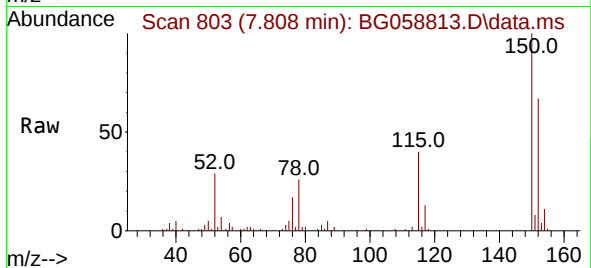
Quant Time: Aug 23 02:32:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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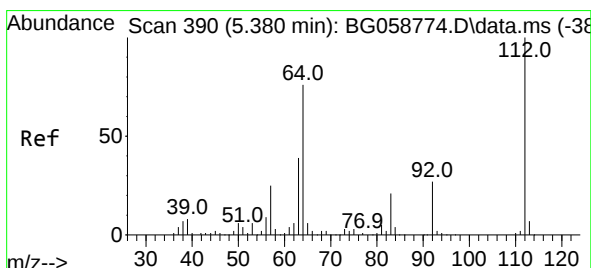
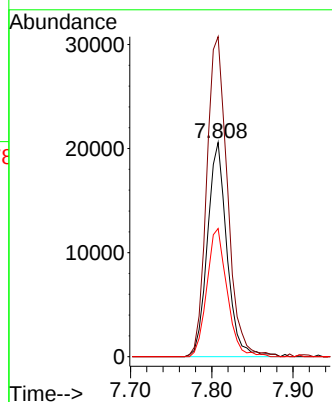
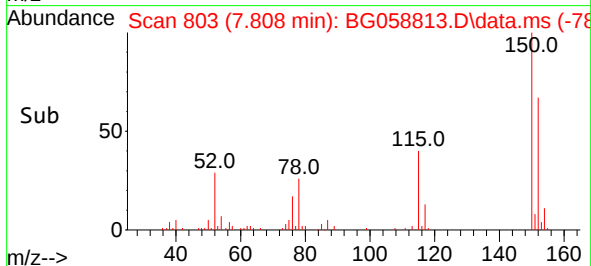


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :

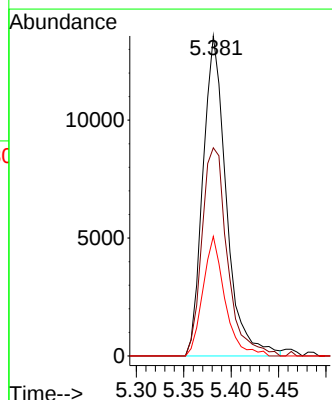
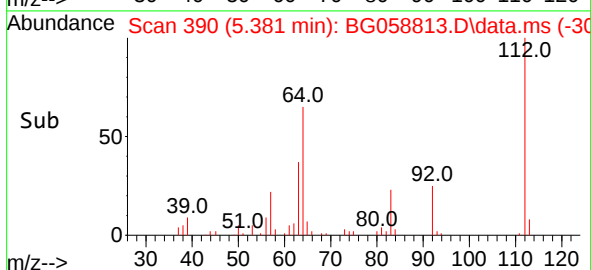
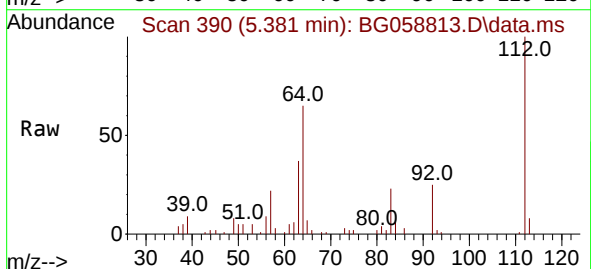


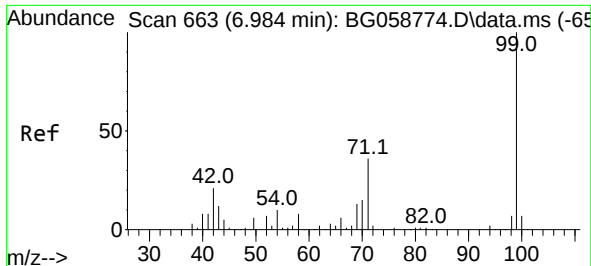
Tgt Ion:152 Resp: 34274
Ion Ratio Lower Upper
152 100
150 149.4 128.6 192.8
115 59.8 50.4 75.6



#5
2-Fluorophenol
Concen: 10.966 ng
RT: 5.381 min Scan# 390
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:112 Resp: 23355
Ion Ratio Lower Upper
112 100
64 65.1 60.6 90.8
63 37.4 31.0 46.4

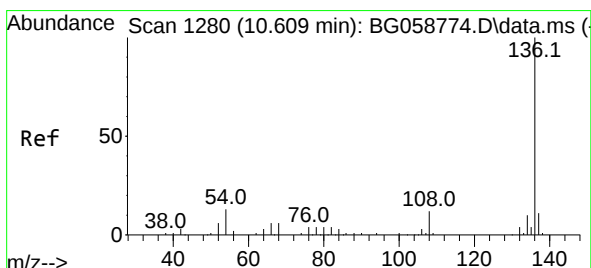
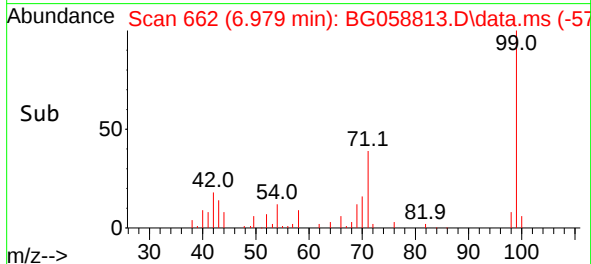
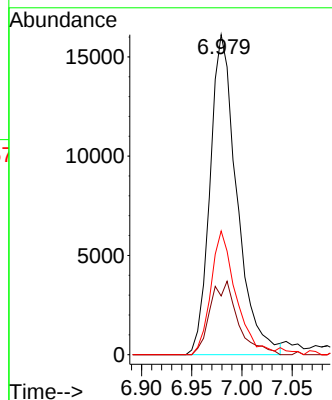
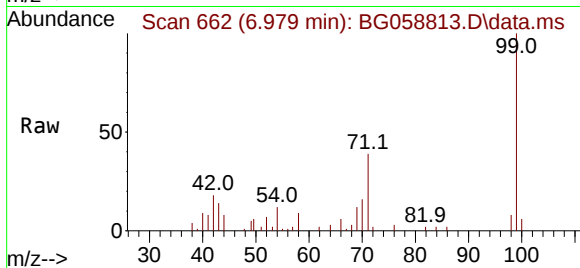




#7
Phenol-d6
Concen: 10.042 ng
RT: 6.979 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

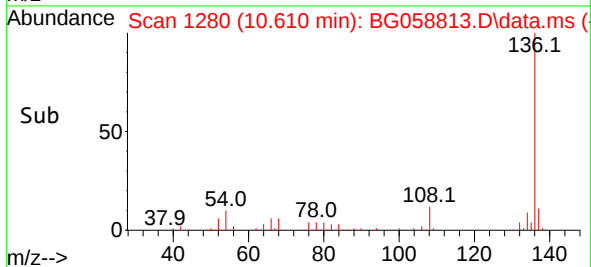
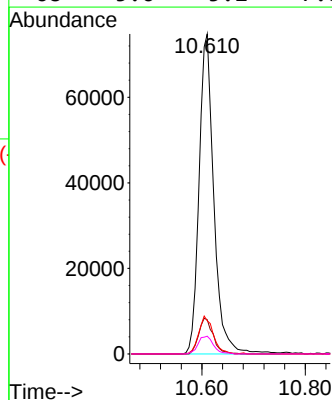
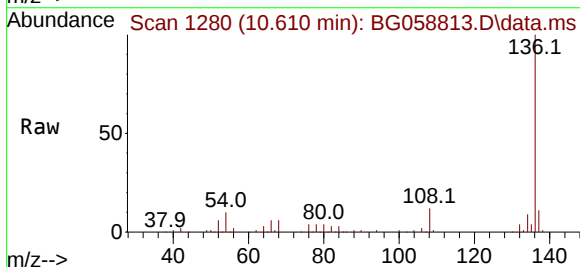
Instrument :
BNA_G
ClientSampleId :

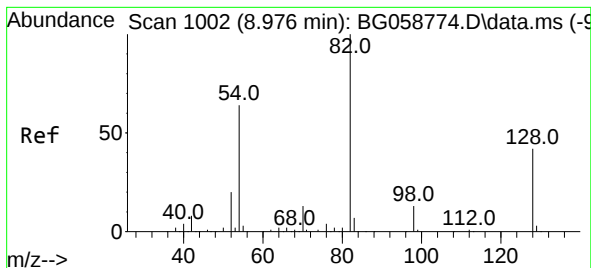
Tgt Ion: 99 Resp: 30008
Ion Ratio Lower Upper
99 100
42 18.4 16.5 24.7
71 38.6 28.4 42.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1280
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:136 Resp: 148007
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 10.3 10.1 15.1
68 5.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 6.148 ng

RT: 8.977 min Scan# 1002

Delta R.T. 0.001 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

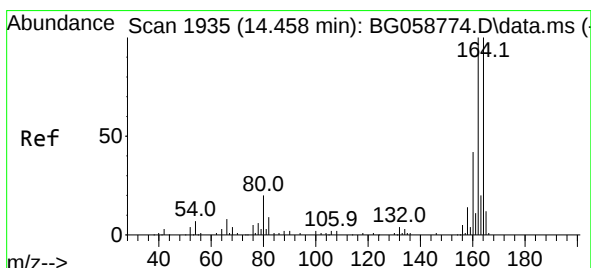
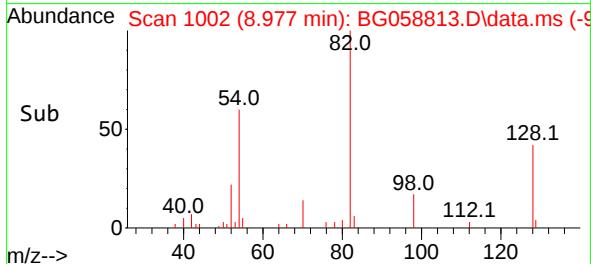
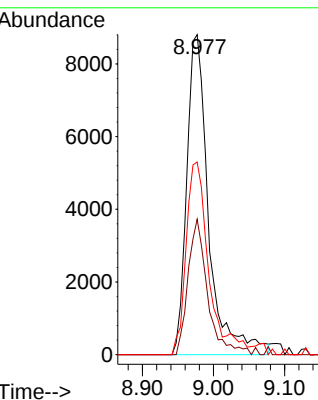
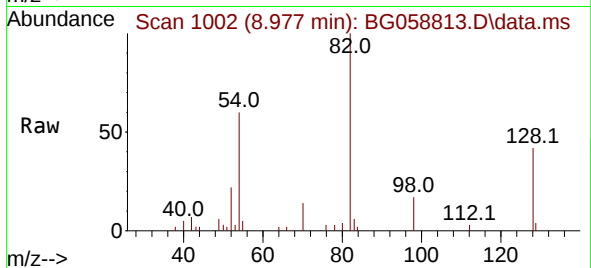
Tgt Ion: 82 Resp: 18927

Ion Ratio Lower Upper

82 100

128 42.3 33.2 49.8

54 60.2 51.2 76.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.453 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

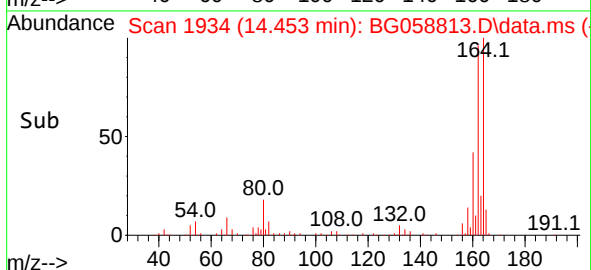
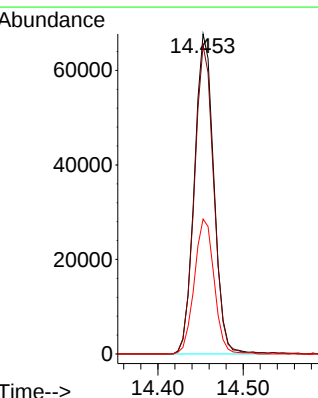
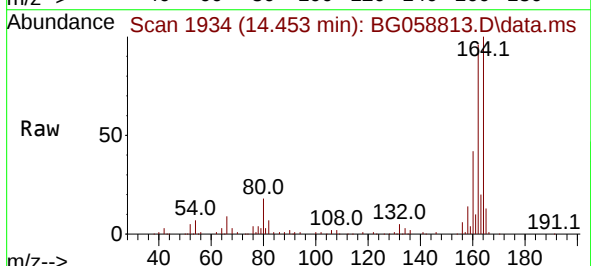
Tgt Ion:164 Resp: 107032

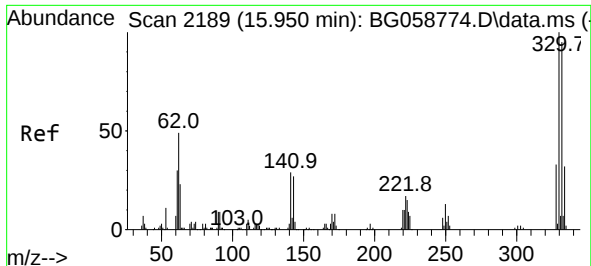
Ion Ratio Lower Upper

164 100

162 96.4 79.6 119.4

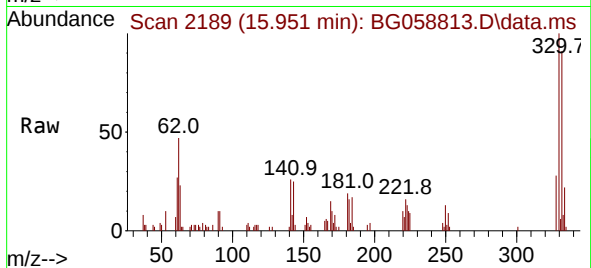
160 42.1 34.0 51.0



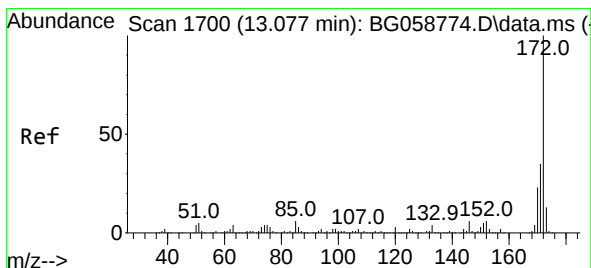
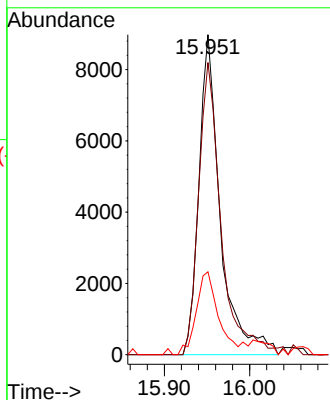
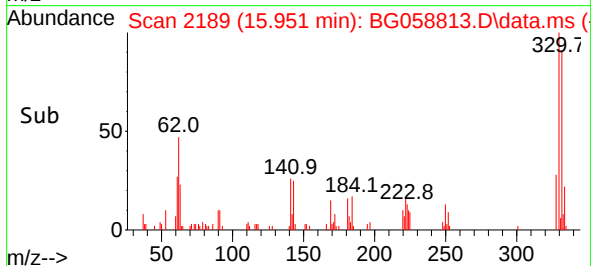


#42
2,4,6-Tribromophenol
Concen: 9.291 ng
RT: 15.951 min Scan# 2189
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

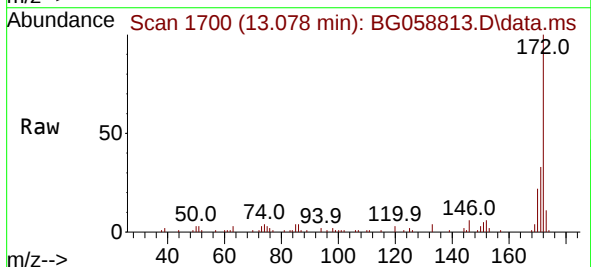
Instrument :
BNA_G
ClientSampleId :



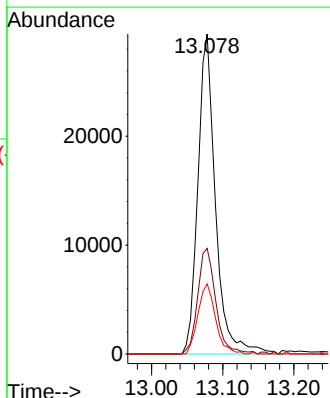
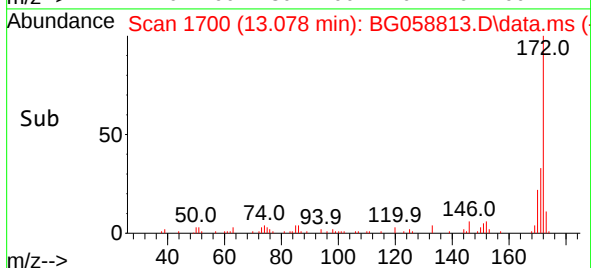
Tgt Ion:330 Resp: 15592
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 26.7 23.0 34.6

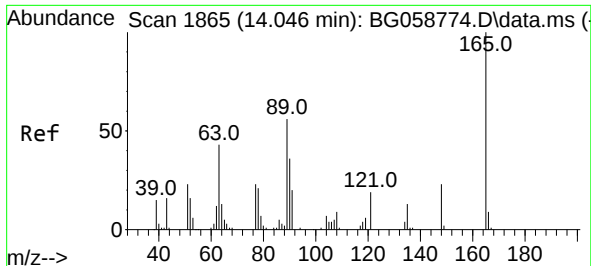


#45
2-Fluorobiphenyl
Concen: 6.870 ng
RT: 13.078 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28



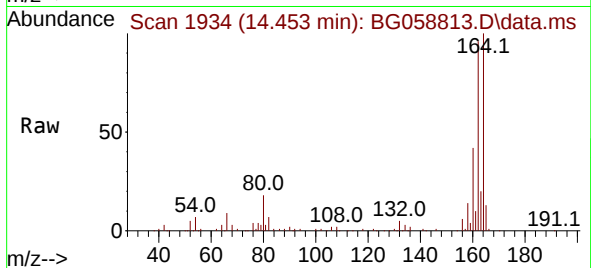
Tgt Ion:172 Resp: 50552
Ion Ratio Lower Upper
172 100
171 33.0 28.1 42.1
170 21.9 18.6 27.8



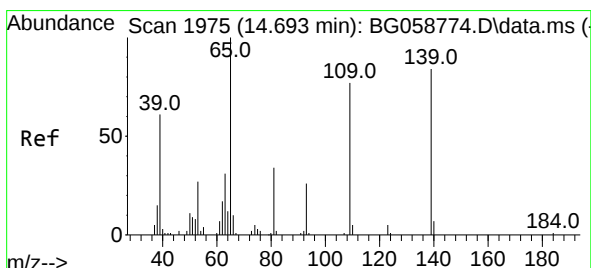
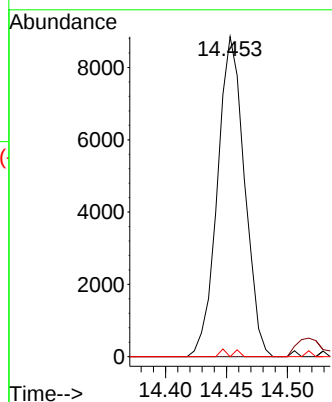
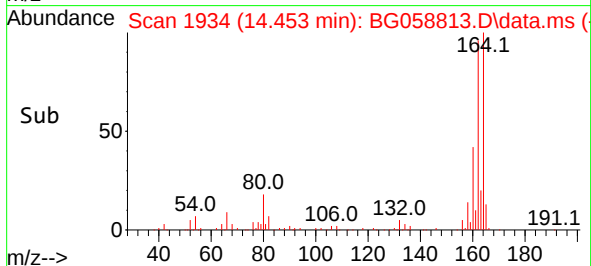


#51
2,6-Dinitrotoluene
Concen: 7.872 ng
RT: 14.453 min Scan# 1934
Delta R.T. 0.407 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :

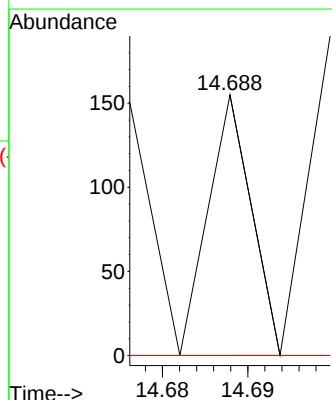
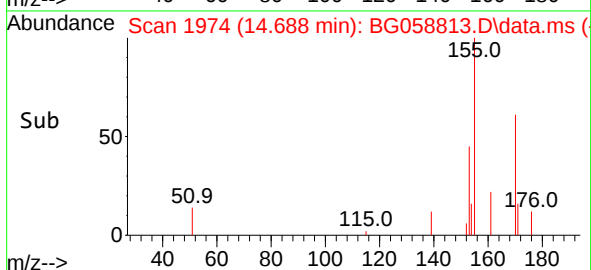
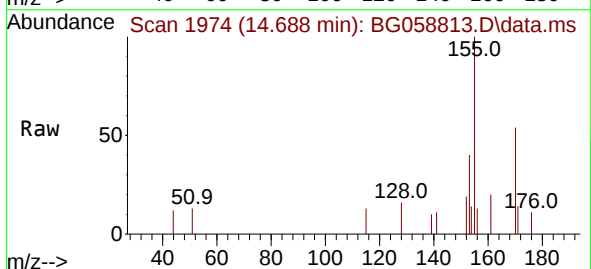


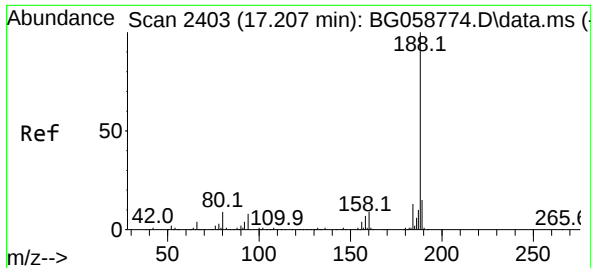
Tgt Ion:165 Resp: 13705
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#



#56
4-Nitrophenol
Concen: 4.501 ng
RT: 14.688 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#

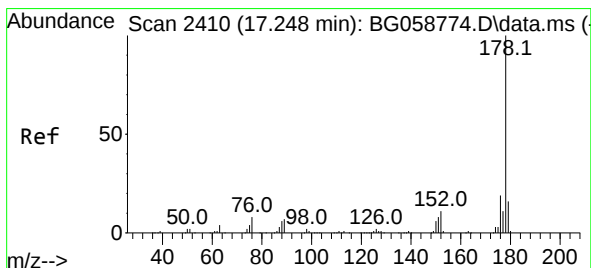
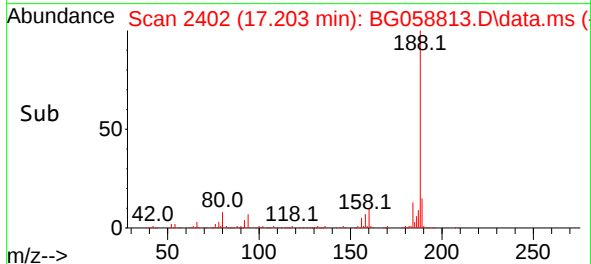
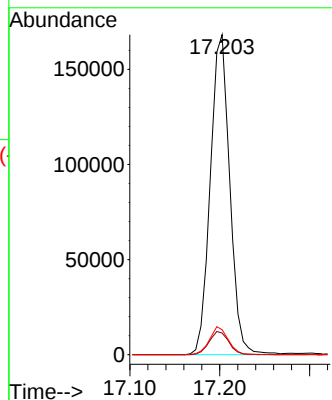
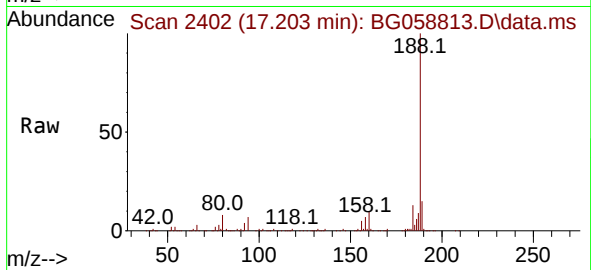




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2403
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

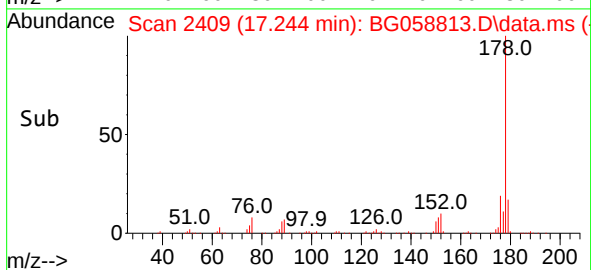
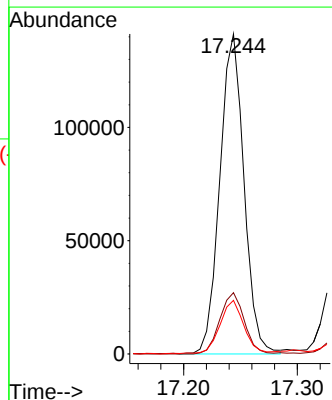
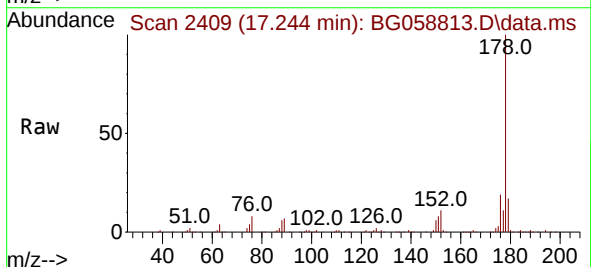
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ClientSampleId :

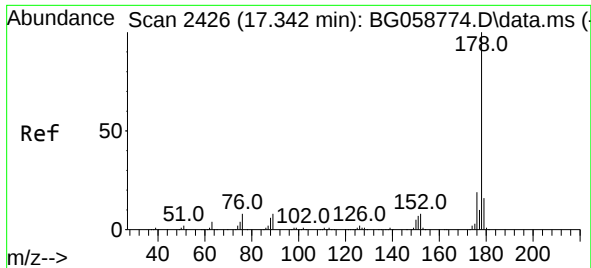
Tgt Ion:188 Resp: 253121
Ion Ratio Lower Upper
188 100
94 6.8 6.1 9.1
80 7.8 6.9 10.3



#71
Phenanthrene
Concen: 17.152 ng
RT: 17.244 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:178 Resp: 208428
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.8 13.0 19.4

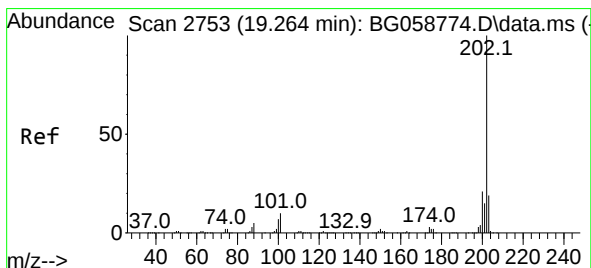
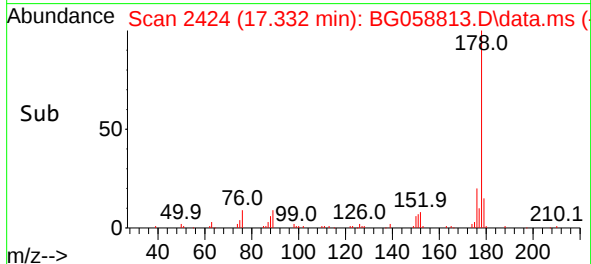
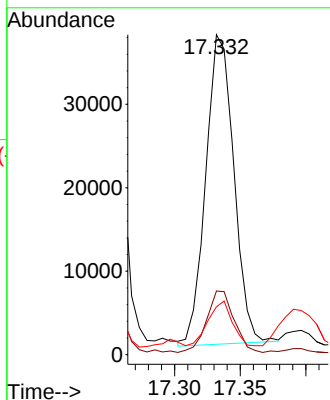
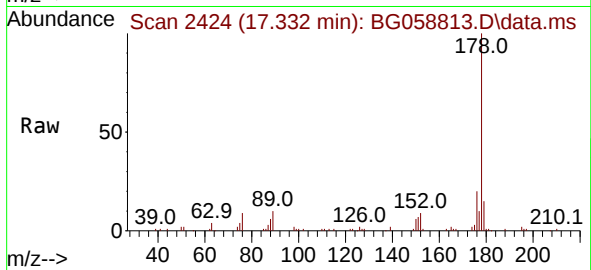




#72
 Anthracene
 Concen: 4.536 ng
 RT: 17.332 min Scan# 2426
 Delta R.T. -0.011 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28

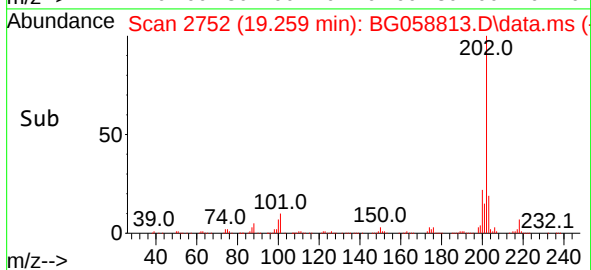
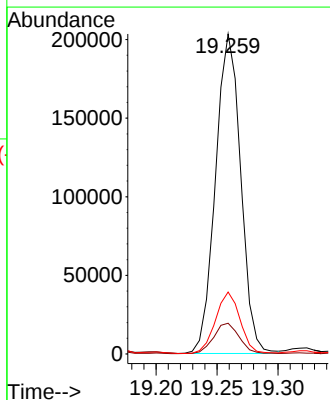
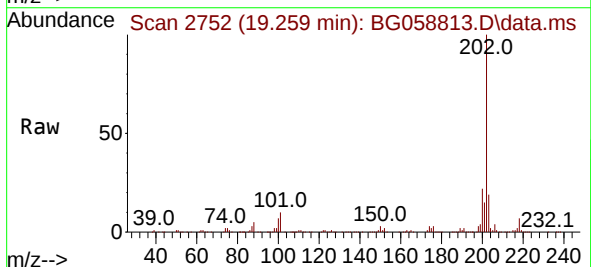
Instrument :
 BNA_G
 ClientSampleId :

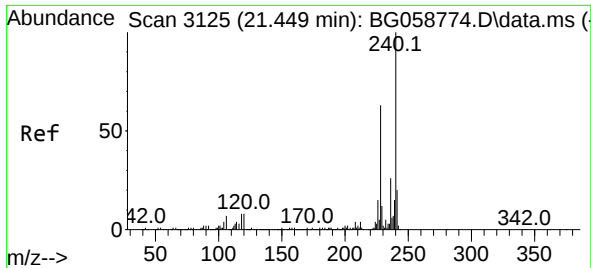
Tgt Ion:178 Resp: 55277
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 15.0 12.9 19.3



#75
 Fluoranthene
 Concen: 19.409 ng
 RT: 19.259 min Scan# 2752
 Delta R.T. -0.005 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28

Tgt Ion:202 Resp: 292478
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.7
 203 19.3 0.0 38.7

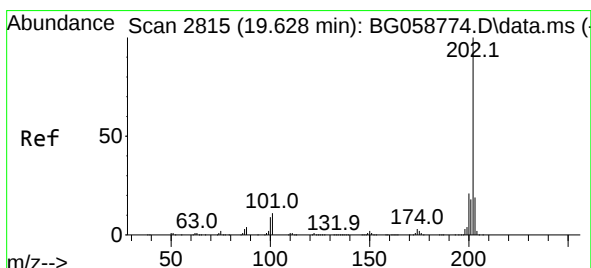
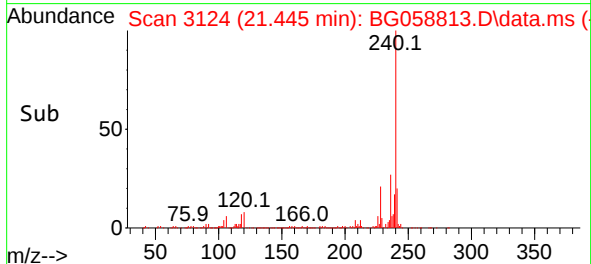
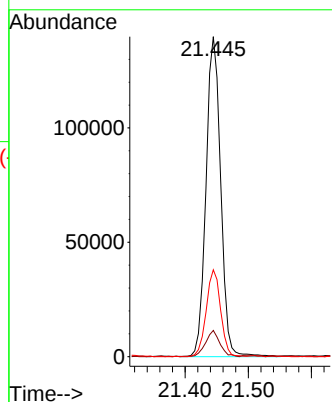
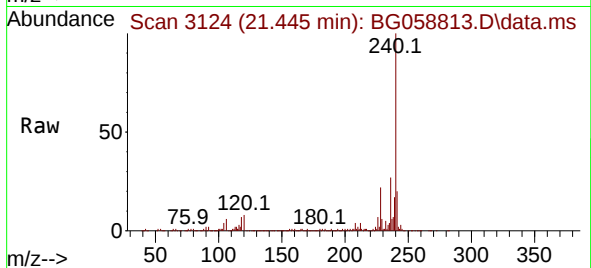




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

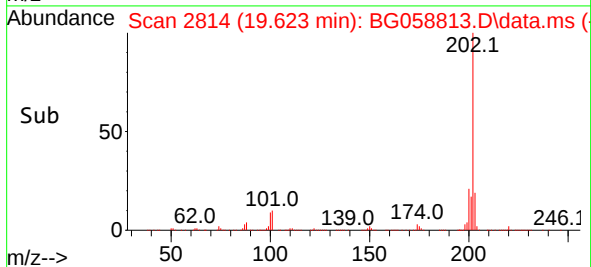
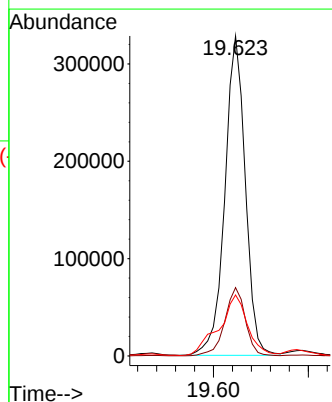
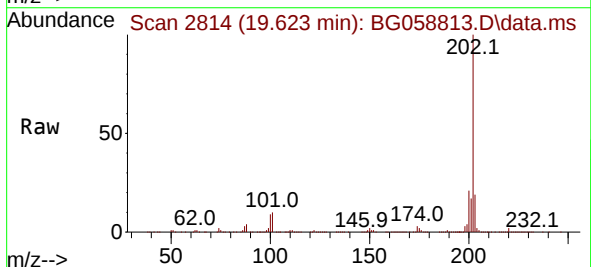
Instrument :
BNA_G
ClientSampleId :

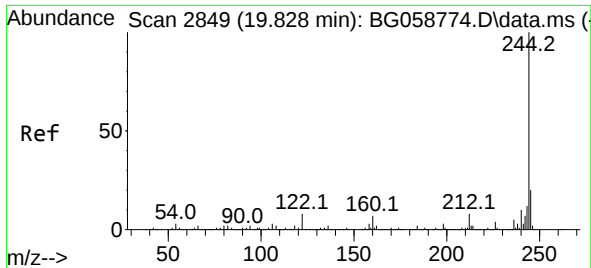
Tgt Ion:240 Resp: 226398
Ion Ratio Lower Upper
240 100
120 8.2 6.2 9.2
236 27.2 20.5 30.7



#78
Pyrene
Concen: 31.190 ng
RT: 19.623 min Scan# 2814
Delta R.T. -0.005 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

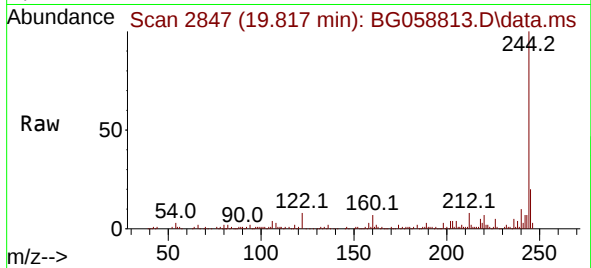
Tgt Ion:202 Resp: 492017
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 19.0 15.3 22.9



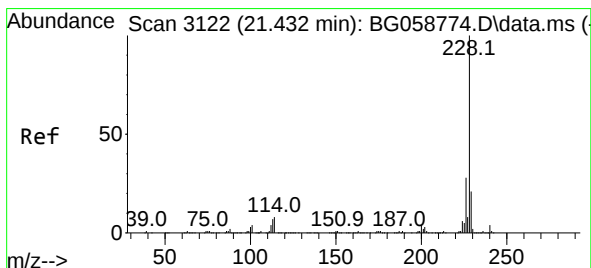
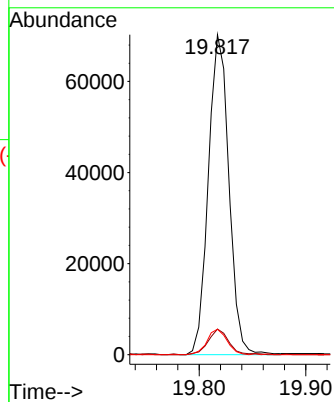
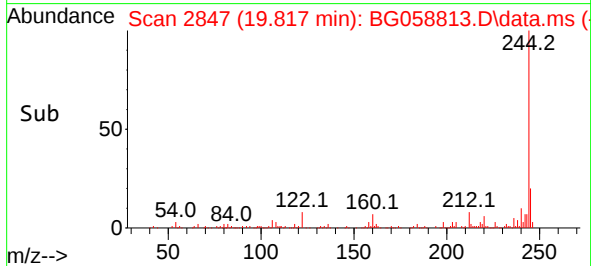


#79
 Terphenyl-d14
 Concen: 7.461 ng
 RT: 19.817 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28

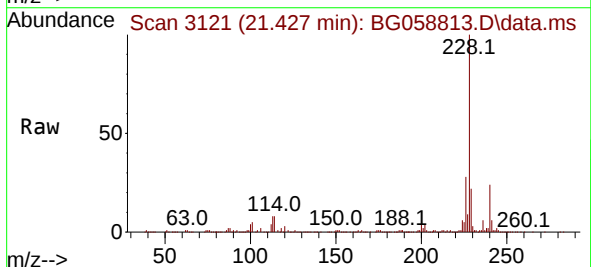
Instrument :
 BNA_G
 ClientSampleId :



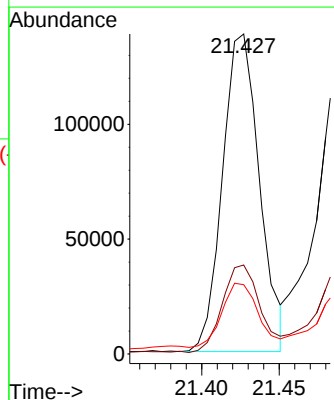
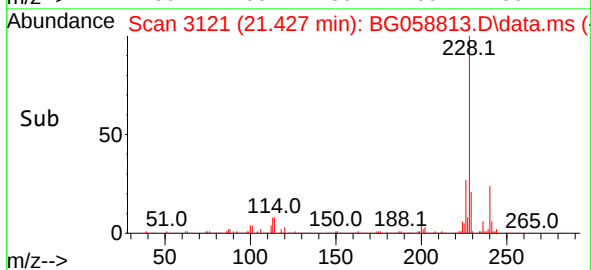
Tgt Ion:244 Resp: 94070
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 8.0 6.3 9.5

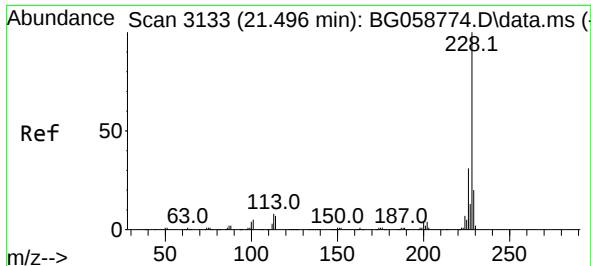


#81
 Benzo(a)anthracene
 Concen: 14.557 ng
 RT: 21.427 min Scan# 3121
 Delta R.T. -0.005 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28



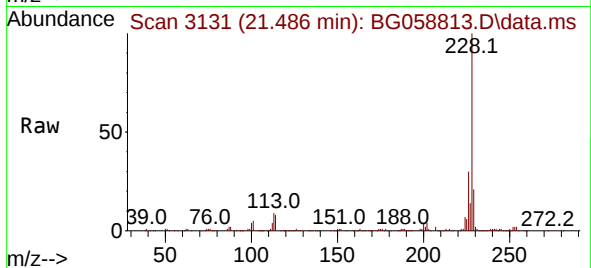
Tgt Ion:228 Resp: 229416
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 21.6 16.8 25.2



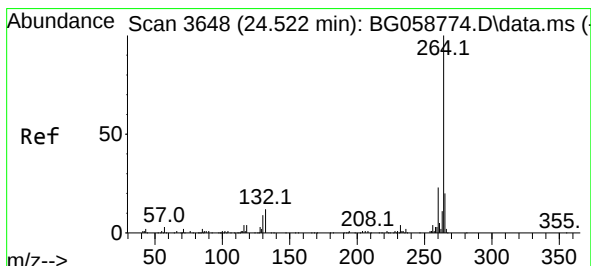
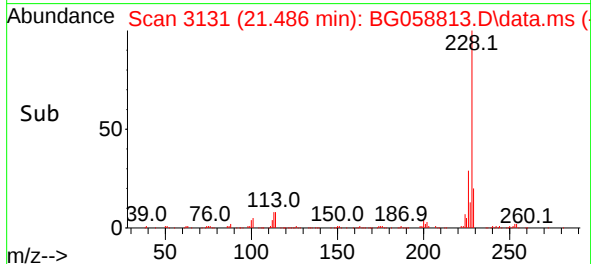
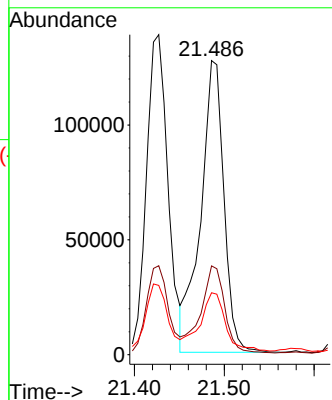


#83
Chrysene
Concen: 15.075 ng
RT: 21.486 min Scan# 3133
Delta R.T. -0.011 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Instrument :
BNA_G
ClientSampleId :

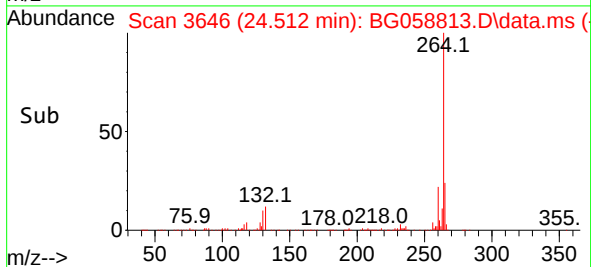
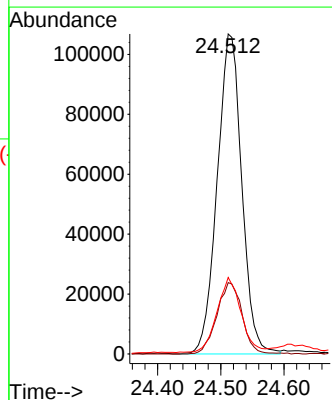
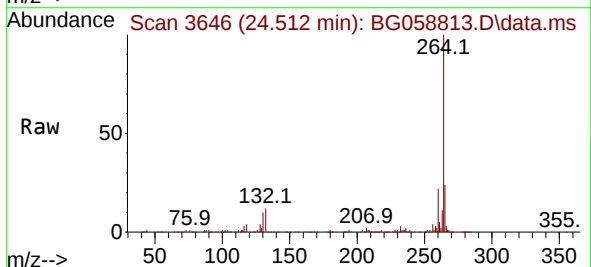


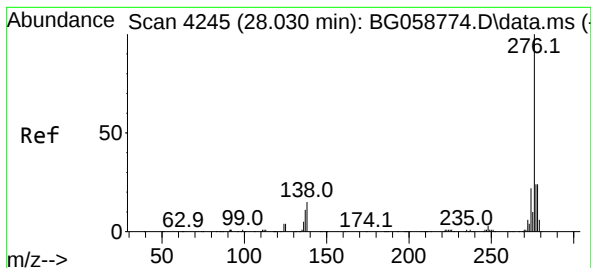
Tgt Ion:228 Resp: 228996
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.0 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.512 min Scan# 3646
Delta R.T. -0.011 min
Lab File: BG058813.D
Acq: 22 Aug 2023 18:28

Tgt Ion:264 Resp: 288626
Ion Ratio Lower Upper
264 100
260 22.3 18.2 27.2
265 23.9 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.584 ng

RT: 27.996 min Scan# 41

Delta R.T. -0.034 min

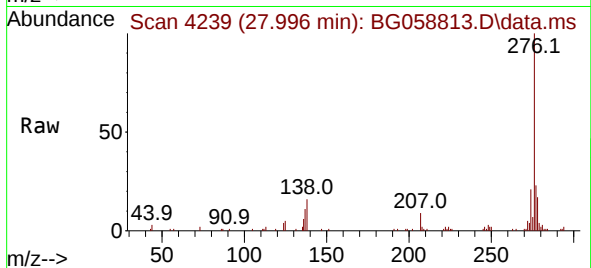
Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :



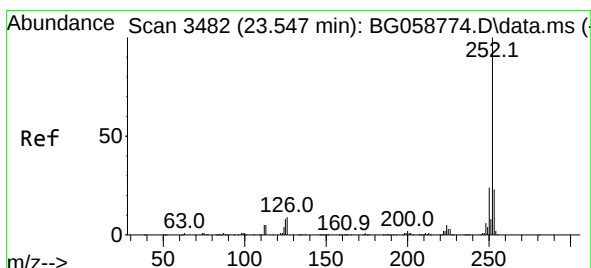
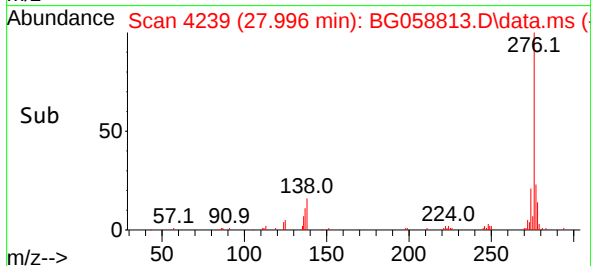
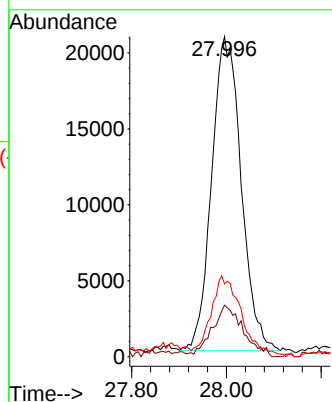
Tgt Ion:276 Resp: 89522

Ion Ratio Lower Upper

276 100

138 17.2 6.2 9.2#

277 26.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.808 ng

RT: 23.542 min Scan# 3481

Delta R.T. -0.005 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

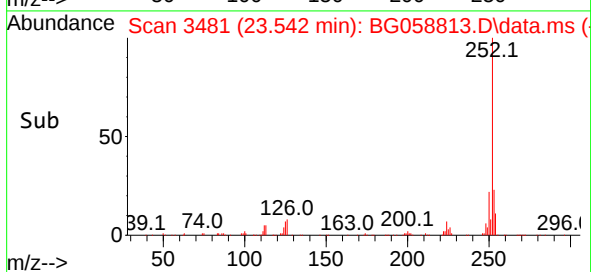
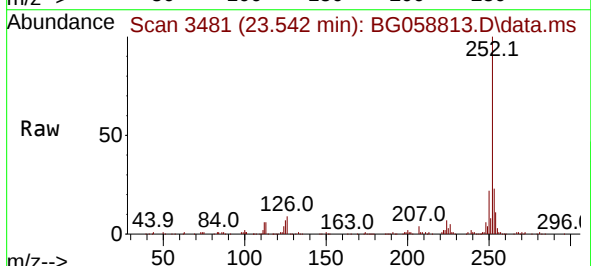
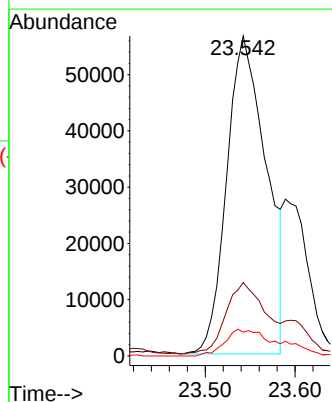
Tgt Ion:252 Resp: 173090

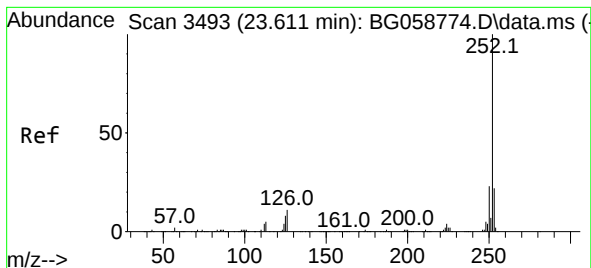
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 7.5 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 10.480 ng

RT: 23.542 min Scan# 34

Delta R.T. -0.069 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

Instrument :

BNA_G

ClientSampleId :

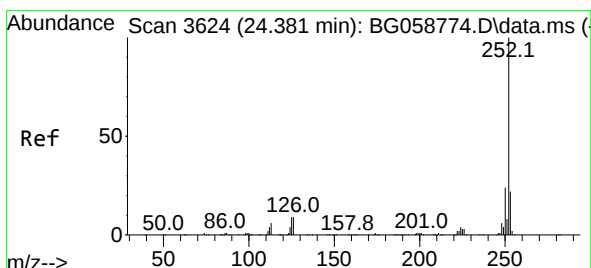
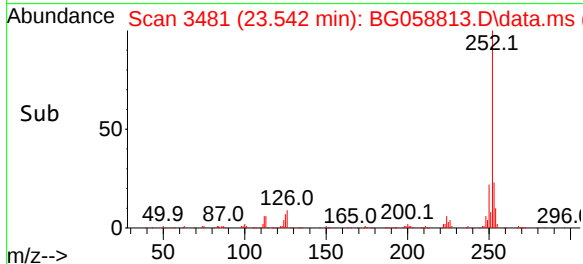
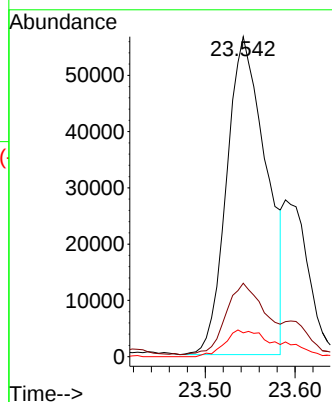
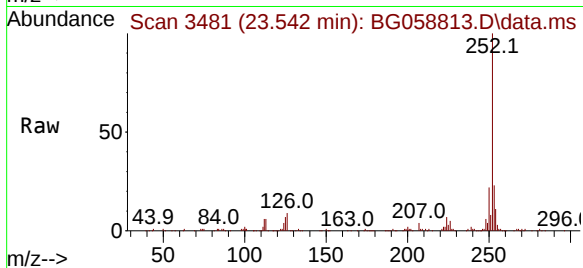
Tgt Ion:252 Resp: 173090

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 7.5 6.3 9.5



#90

Benzo(a)pyrene

Concen: 11.280 ng

RT: 24.371 min Scan# 3622

Delta R.T. -0.011 min

Lab File: BG058813.D

Acq: 22 Aug 2023 18:28

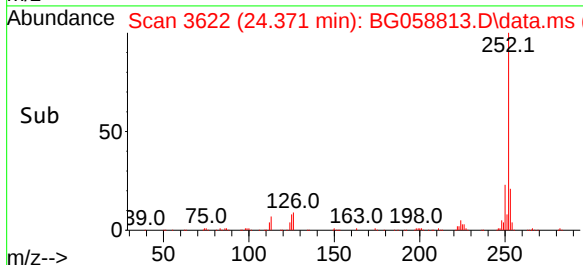
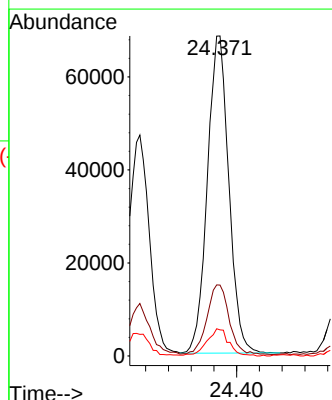
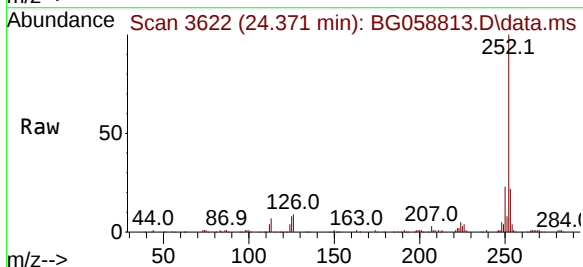
Tgt Ion:252 Resp: 177871

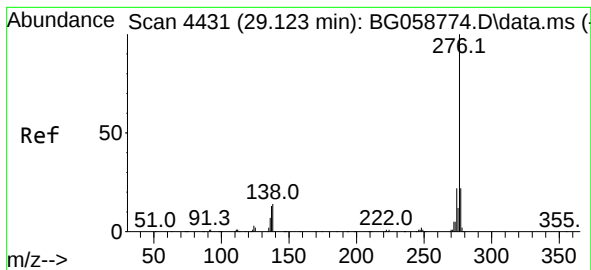
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

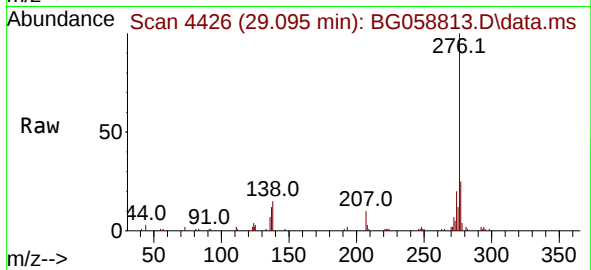
125 8.1 6.8 10.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.906 ng
 RT: 29.095 min Scan# 44
 Delta R.T. -0.028 min
 Lab File: BG058813.D
 Acq: 22 Aug 2023 18:28

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:276 Resp: 110793
 Ion Ratio Lower Upper
 276 100
 277 24.5 17.8 26.6
 138 15.0 11.1 16.7

