

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092022\
 Data File : BG054986.D
 Acq On : 20 Sep 2022 14:39
 Operator : CG/JU
 Sample : N4665-02DL3 200X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2DL3

Quant Time: Sep 20 15:12:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG091922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 17:41:40 2022
 Response via : Initial Calibration

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

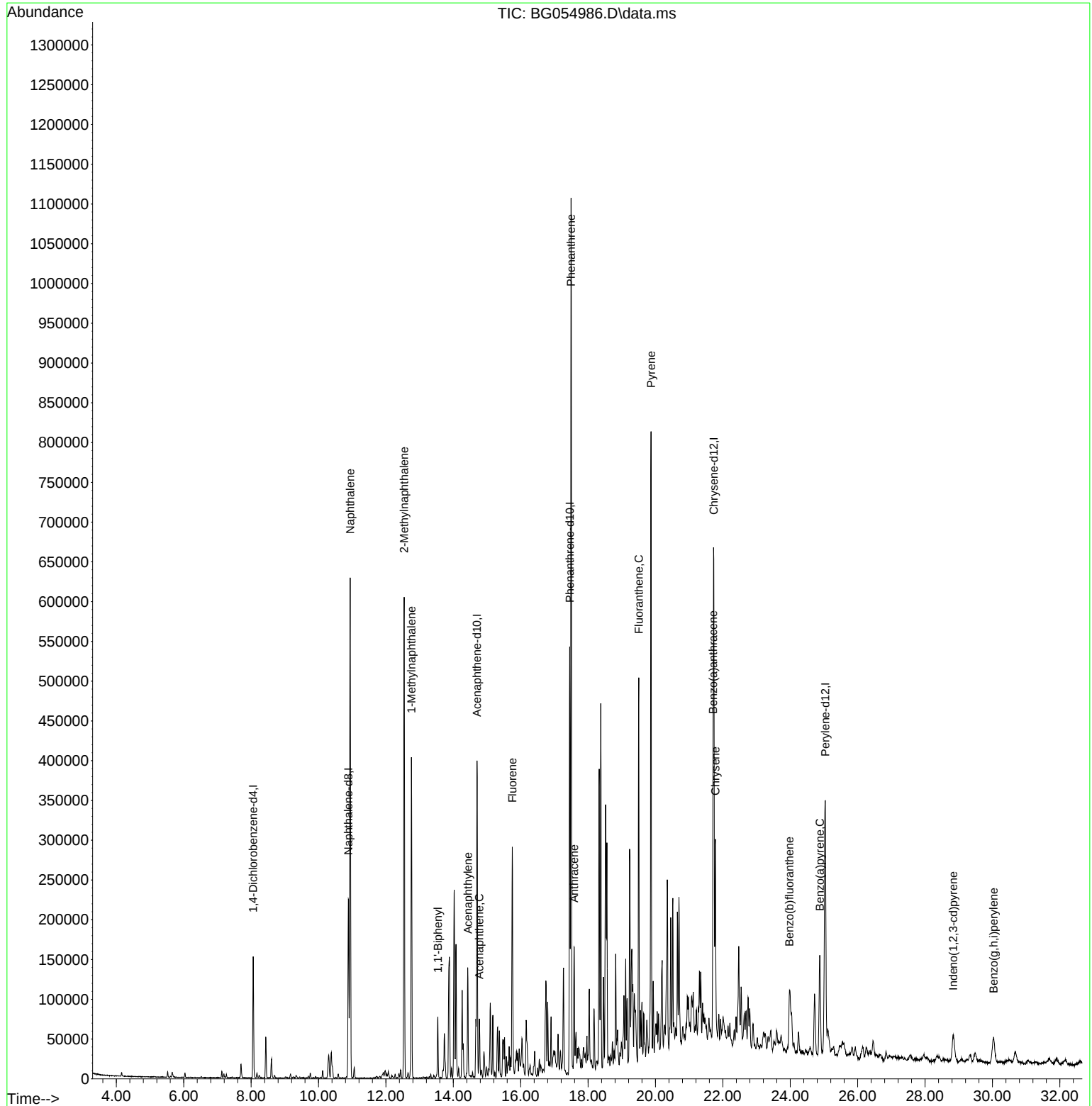
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	49135	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	212242	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	147608	20.000	ng	0.00
64) Phenanthrene-d10	17.453	188	344142	20.000	ng	0.00
76) Chrysene-d12	21.730	240	340543	20.000	ng	0.00
86) Perylene-d12	25.038	264	360559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.608	112	849	0.338	ng	0.00
7) Phenol-d6	7.236	99	1119	0.332	ng	0.01
23) Nitrobenzene-d5	9.245	82	613	0.167	ng	0.00
42) 2,4,6-Tribromophenol	16.207	330	293	0.169	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	2500	0.267	ng	0.00
79) Terphenyl-d14	20.050	244	4626	0.284	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.937	128	574205	51.740	ng	99
37) 2-Methylnaphthalene	12.541	142	309934	39.201	ng	99
38) 1-Methylnaphthalene	12.758	142	201780	26.095	ng	98
46) 1,1'-Biphenyl	13.540	154	44519	4.470	ng	98
49) Acenaphthylene	14.433	152	50530	3.841	ng	# 90
52) Acenaphthene	14.768	154	21958	2.709	ng	95
58) Fluorene	15.749	166	134352	12.430	ng	99
71) Phenanthrene	17.494	178	693999	39.597	ng	99
72) Anthracene	17.582	178	109008	6.376	ng	99
75) Fluoranthene	19.503	202	284488	12.816	ng	98
78) Pyrene	19.868	202	484490	21.642	ng	99
81) Benzo(a)anthracene	21.707	228	185559	8.472	ng	97
83) Chrysene	21.777	228	176871	8.436	ng	99
87) Indeno(1,2,3-cd)pyrene	28.834	276	57538	2.147	ng	# 86
88) Benzo(b)fluoranthene	23.975	252	119342	5.612	ng	99
90) Benzo(a)pyrene	24.874	252	142702	7.793	ng	99
92) Benzo(g,h,i)perylene	30.032	276	67207	3.021	ng	95

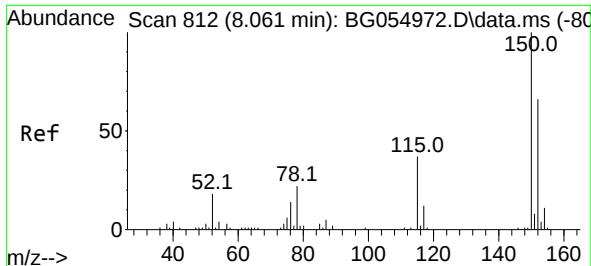
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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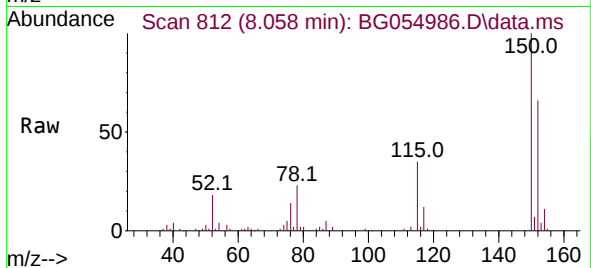
Quant Time: Sep 20 15:12:04 2022
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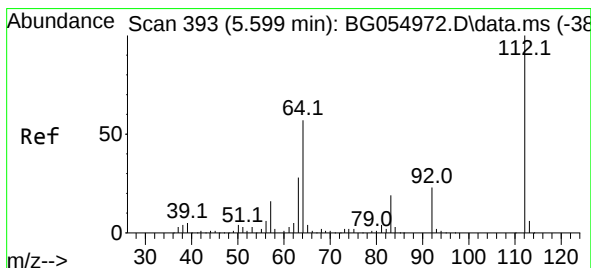
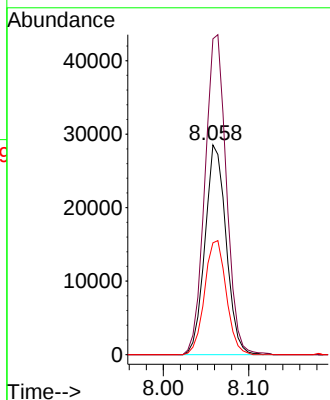
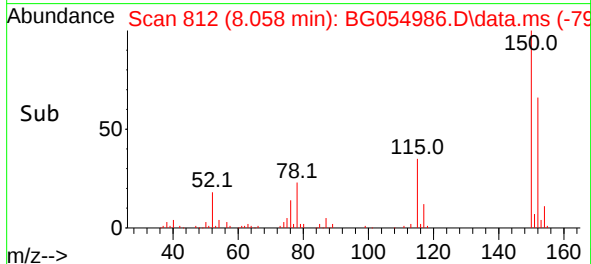


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.058 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

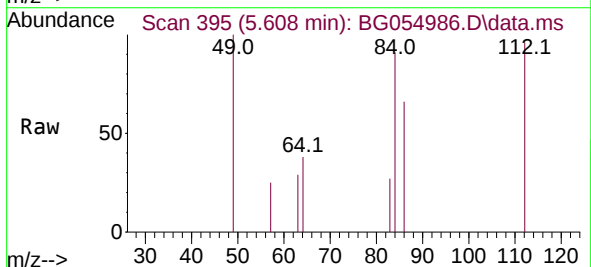
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3



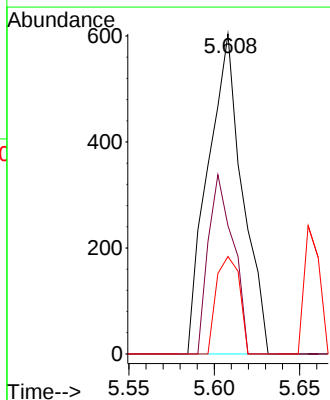
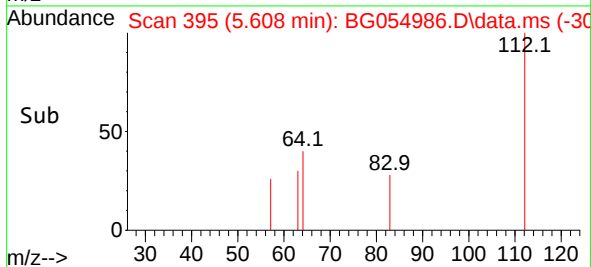
Tgt Ion:152 Resp: 49135
Ion Ratio Lower Upper
152 100
150 150.6 125.2 187.8
115 53.3 47.9 71.9

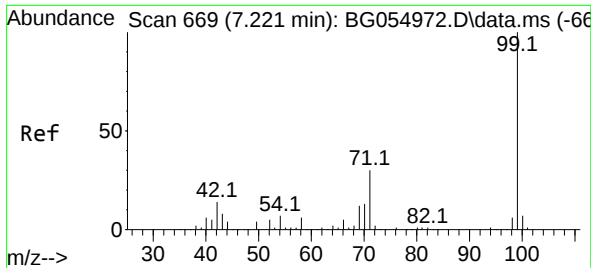


#5
2-Fluorophenol
Concen: 0.338 ng
RT: 5.608 min Scan# 395
Delta R.T. 0.009 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39



Tgt Ion:112 Resp: 849
Ion Ratio Lower Upper
112 100
64 40.1 49.3 73.9#
63 30.5 26.3 39.5

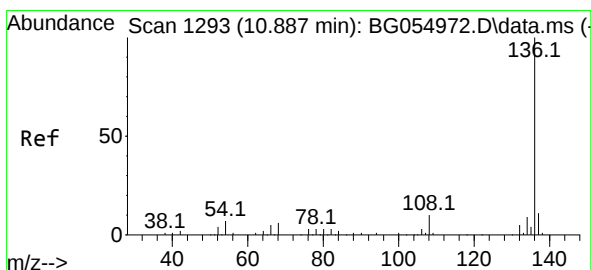
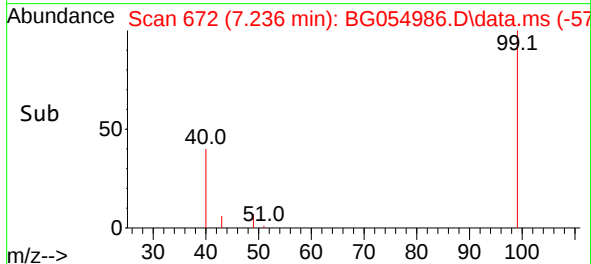
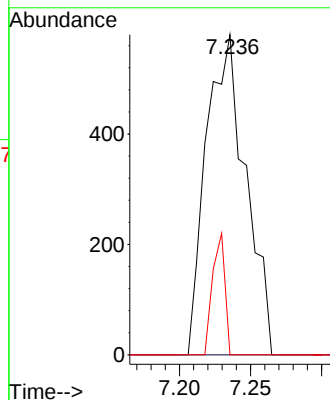
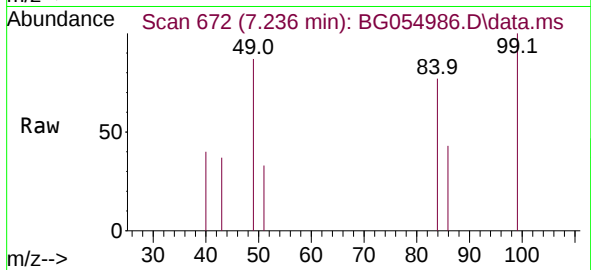




#7
Phenol-d6
Concen: 0.332 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.015 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

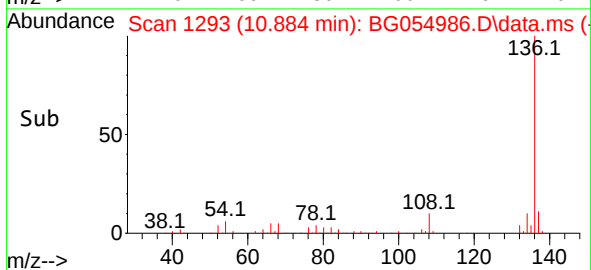
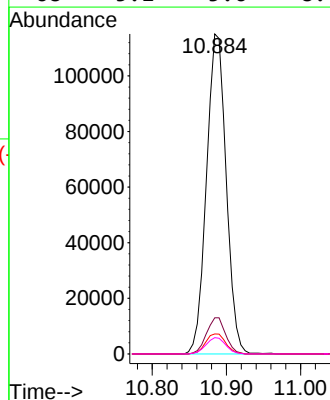
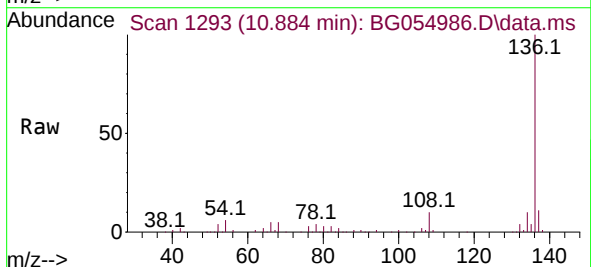
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

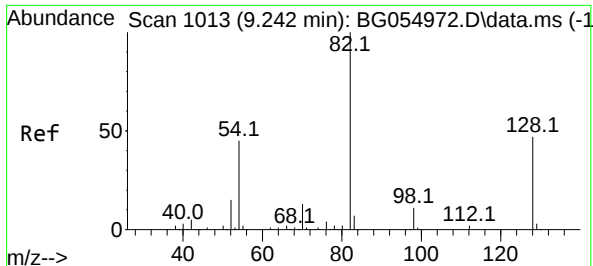
Tgt Ion: 99 Resp: 1119
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0#
71 0.0 24.6 37.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1293
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Tgt Ion: 136 Resp: 212242
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 6.2 7.7 11.5#
68 5.1 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 0.167 ng

RT: 9.245 min Scan# 1013

Delta R.T. 0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

Instrument :

BNA_G

ClientSampleId :

COMP-2DL3

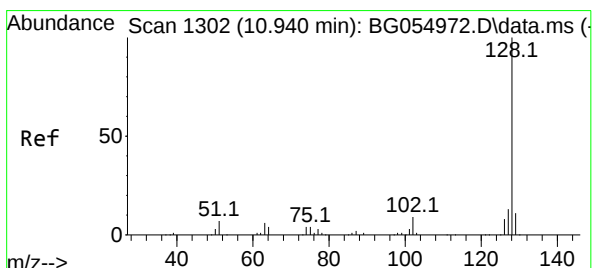
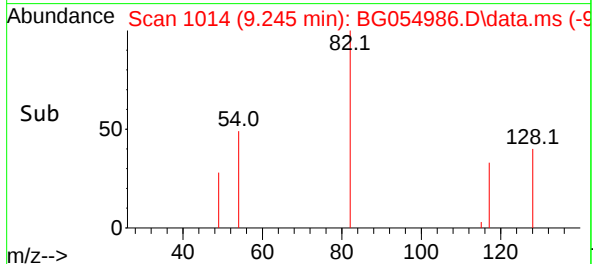
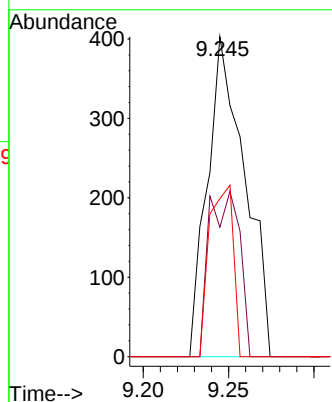
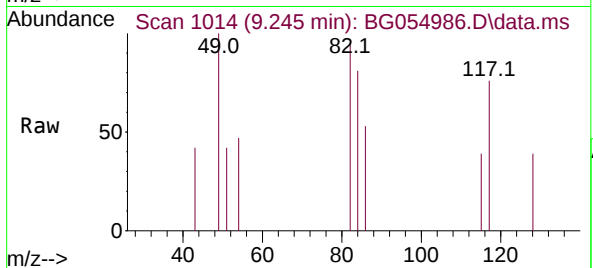
Tgt Ion: 82 Resp: 613

Ion Ratio Lower Upper

82 100

128 40.4 32.2 48.2

54 49.4 41.4 62.0



#31

Naphthalene

Concen: 51.740 ng

RT: 10.937 min Scan# 1302

Delta R.T. -0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

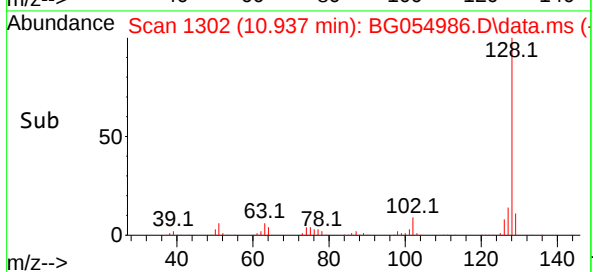
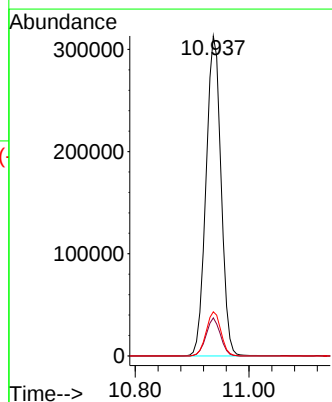
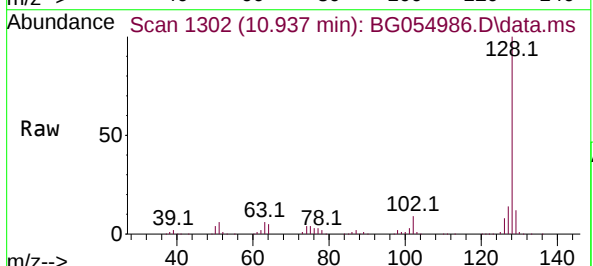
Tgt Ion: 128 Resp: 574205

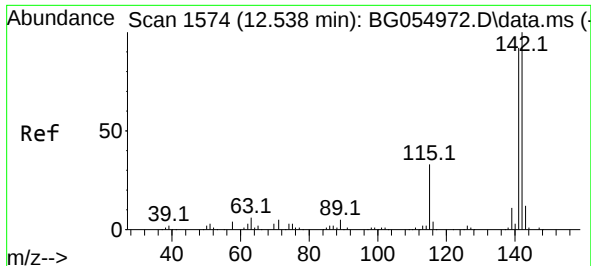
Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

127 13.8 11.1 16.7





#37

2-Methylnaphthalene

Concen: 39.201 ng

RT: 12.541 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

Instrument :

BNA_G

ClientSampleId :

COMP-2DL3

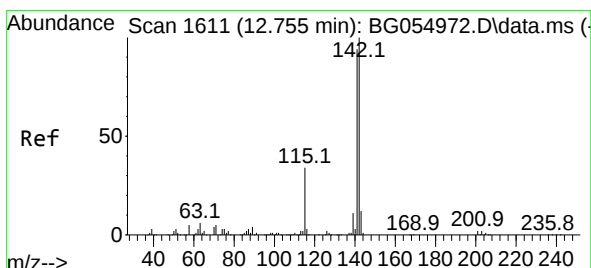
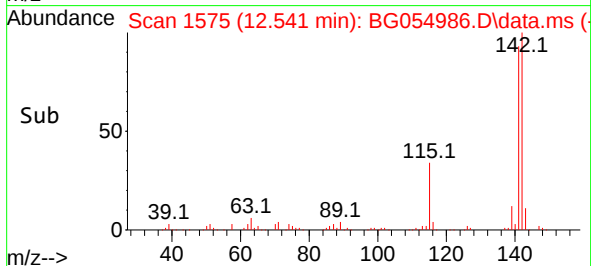
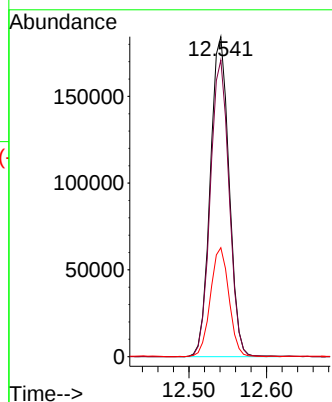
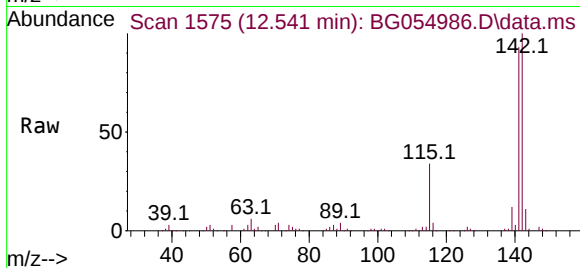
Tgt Ion:142 Resp: 309934

Ion Ratio Lower Upper

142 100

141 92.7 73.0 109.4

115 34.0 27.3 40.9



#38

1-Methylnaphthalene

Concen: 26.095 ng

RT: 12.758 min Scan# 1612

Delta R.T. 0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

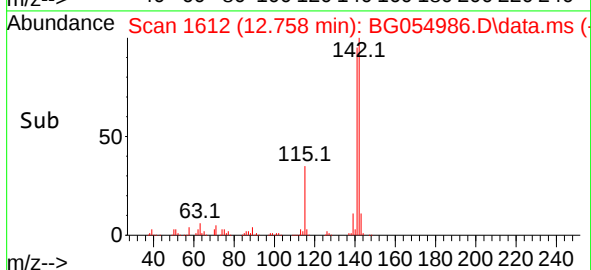
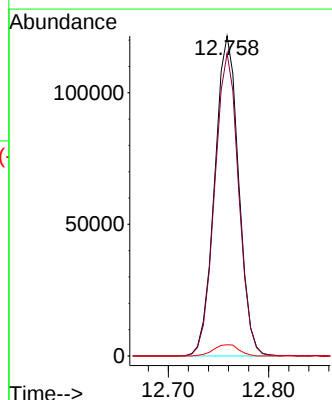
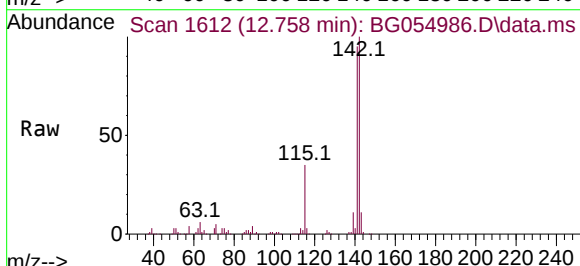
Tgt Ion:142 Resp: 201780

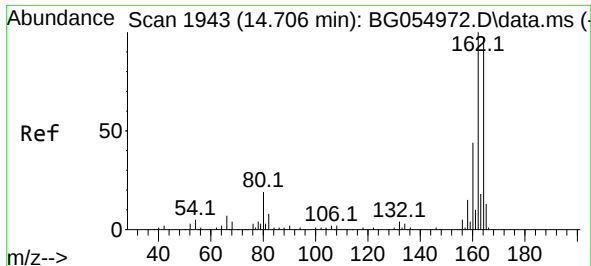
Ion Ratio Lower Upper

142 100

141 94.6 77.4 116.0

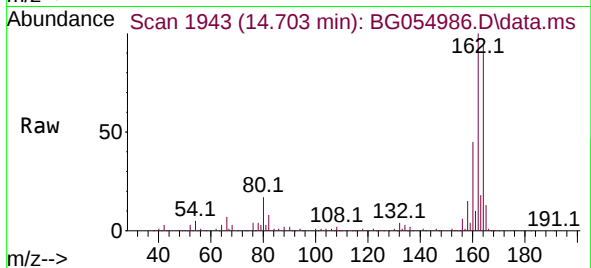
116 3.5 3.0 4.4



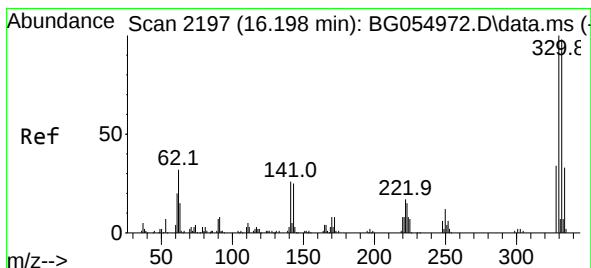
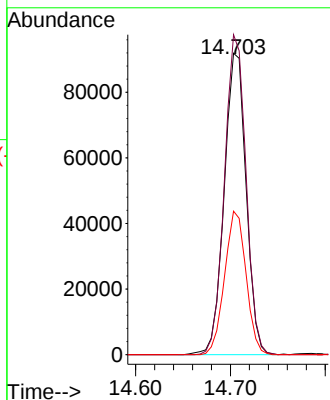
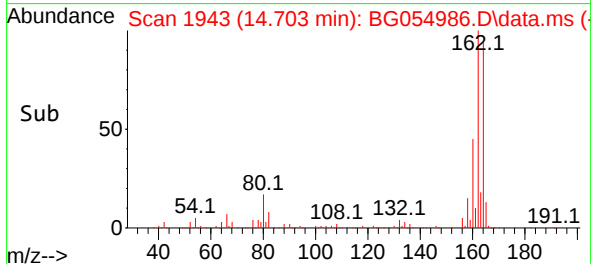


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1943
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

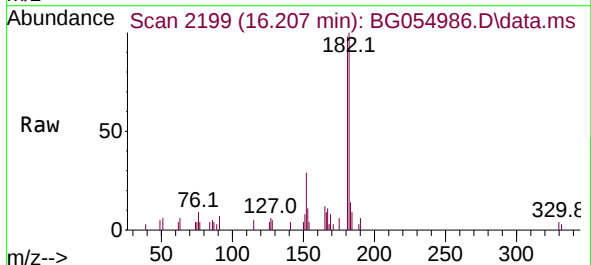
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3



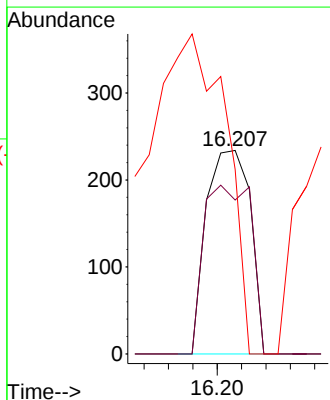
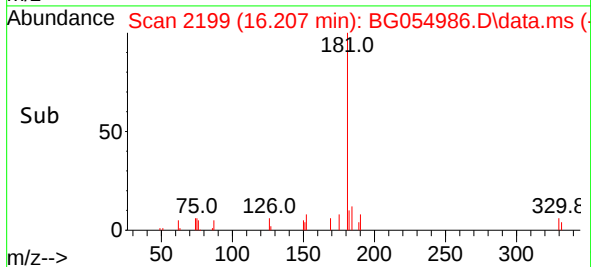
Tgt Ion:164 Resp: 147608
Ion Ratio Lower Upper
164 100
162 106.2 83.0 124.4
160 47.6 38.0 57.0

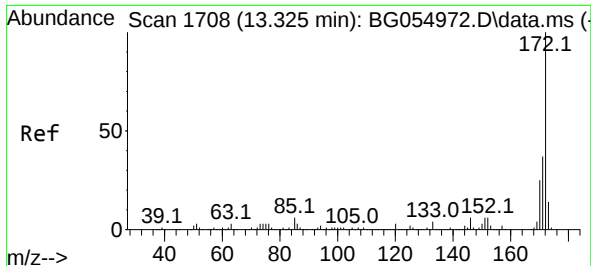


#42
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 16.207 min Scan# 2199
Delta R.T. 0.009 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39



Tgt Ion:330 Resp: 293
Ion Ratio Lower Upper
330 100
332 89.1 79.8 119.6
141 250.5 26.8 40.2#

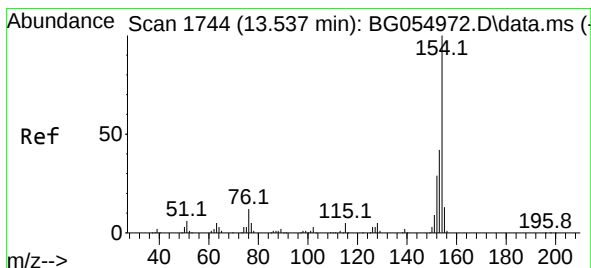
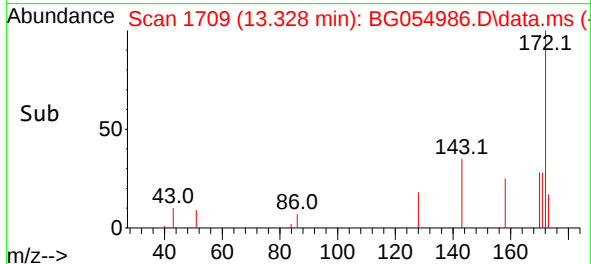
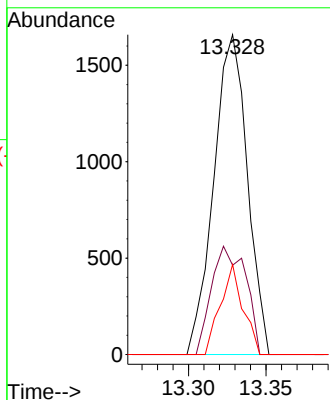
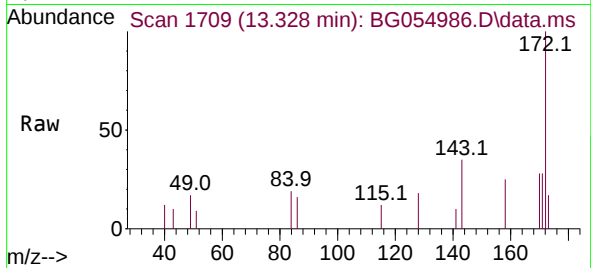




#45
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 13.328 min Scan# 1709
Delta R.T. 0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

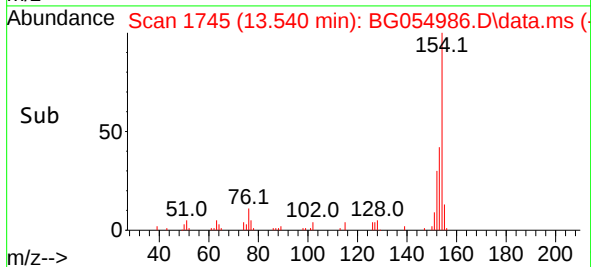
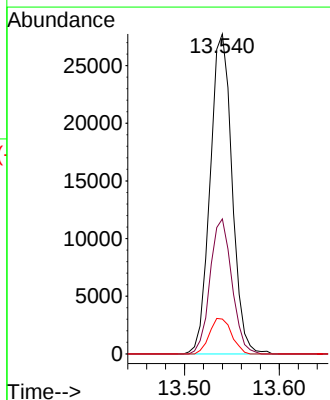
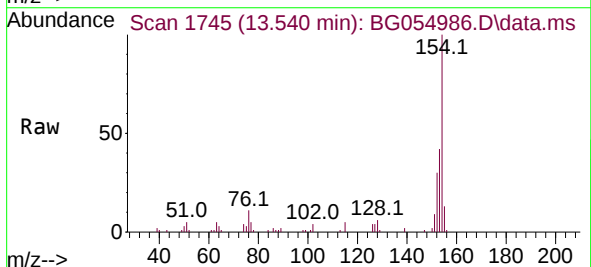
Instrument :
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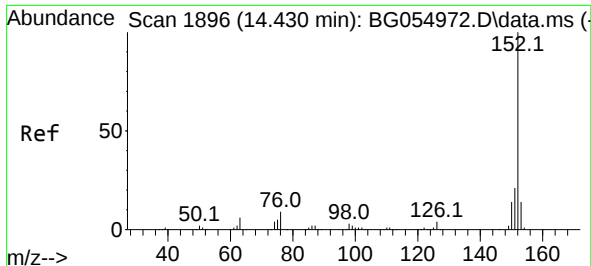
Tgt Ion:172 Resp: 2500
Ion Ratio Lower Upper
172 100
171 27.9 31.2 46.8#
170 28.1 20.6 30.8



#46
1,1'-Biphenyl
Concen: 4.470 ng
RT: 13.540 min Scan# 1745
Delta R.T. 0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Tgt Ion:154 Resp: 44519
Ion Ratio Lower Upper
154 100
153 42.2 22.2 62.2
76 10.9 0.0 34.0

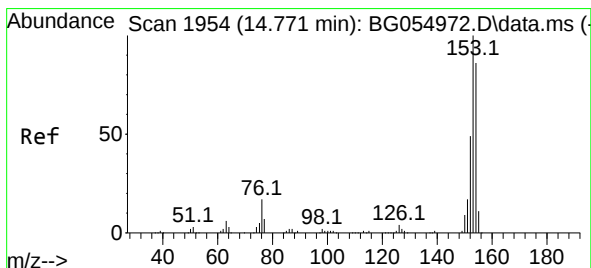
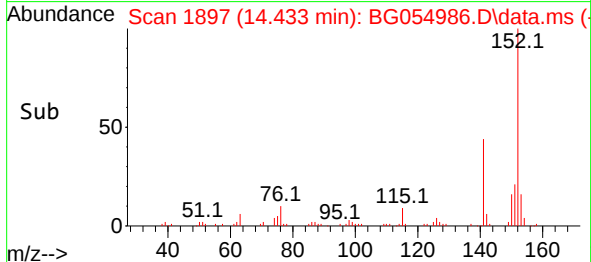
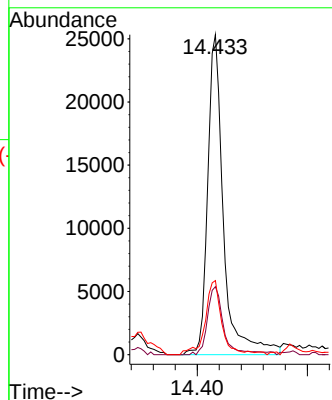
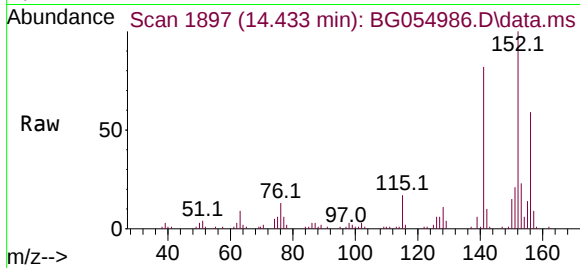




#49
Acenaphthylene
Concen: 3.841 ng
RT: 14.433 min Scan# 1896
Delta R.T. 0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

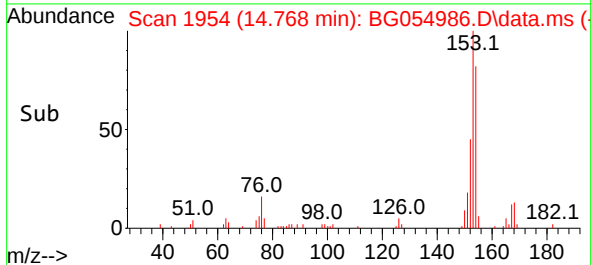
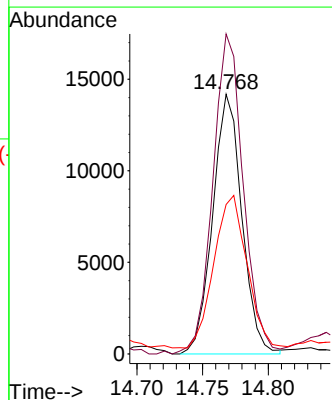
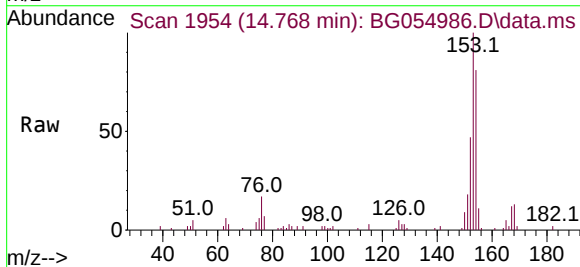
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

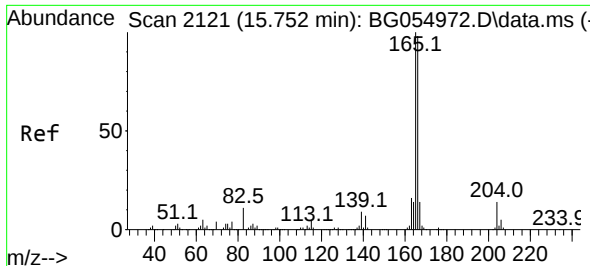
Tgt Ion:152 Resp: 50530
Ion Ratio Lower Upper
152 100
151 21.2 17.3 25.9
153 23.1 10.8 16.2#



#52
Acenaphthene
Concen: 2.709 ng
RT: 14.768 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Tgt Ion:154 Resp: 21958
Ion Ratio Lower Upper
154 100
153 123.3 92.8 139.2
152 57.5 45.4 68.2

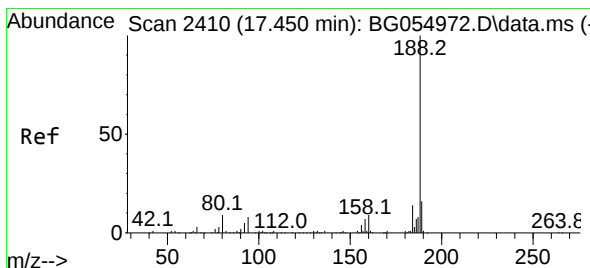
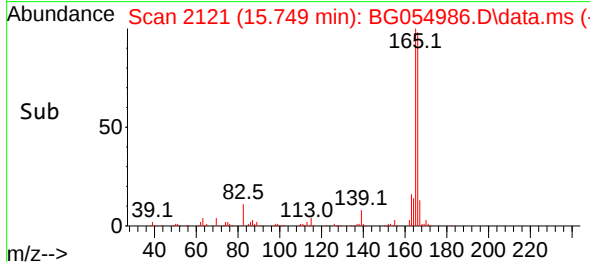
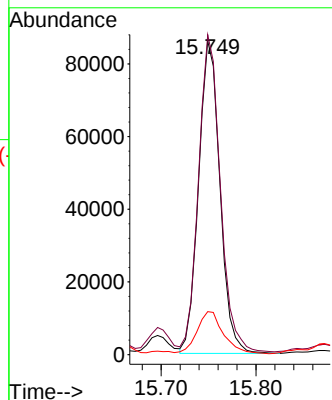
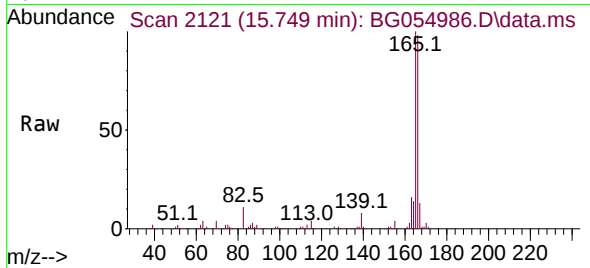




#58
 Fluorene
 Concen: 12.430 ng
 RT: 15.749 min Scan# 2121
 Delta R.T. -0.003 min
 Lab File: BG054986.D
 Acq: 20 Sep 2022 14:39

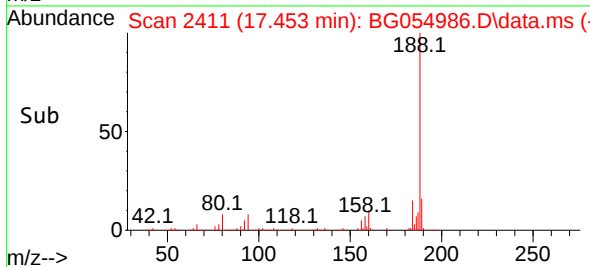
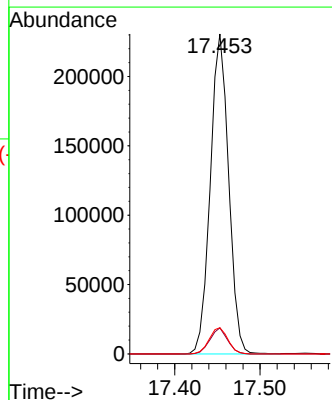
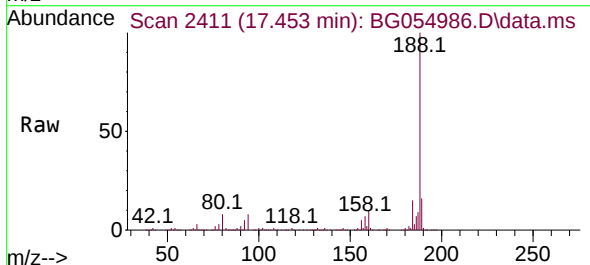
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2DL3

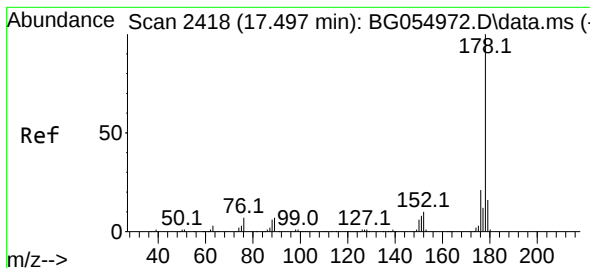
Tgt Ion:166 Resp: 134352
 Ion Ratio Lower Upper
 166 100
 165 102.0 80.8 121.2
 167 13.7 11.4 17.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.453 min Scan# 2411
 Delta R.T. 0.003 min
 Lab File: BG054986.D
 Acq: 20 Sep 2022 14:39

Tgt Ion:188 Resp: 344142
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.0 10.4
 80 8.2 7.9 11.9





#71

Phenanthrene

Concen: 39.597 ng

RT: 17.494 min Scan# 2418

Delta R.T. -0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

Instrument :

BNA_G

ClientSampleId :

COMP-2DL3

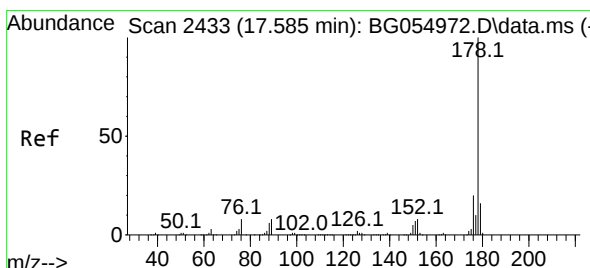
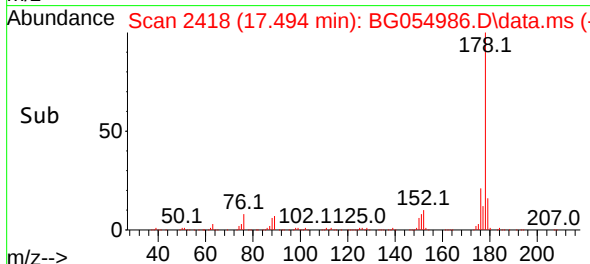
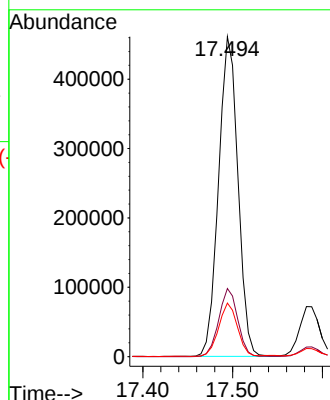
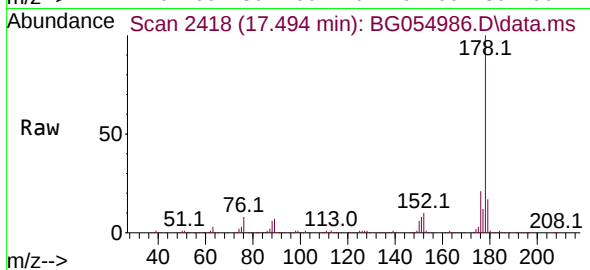
Tgt Ion:178 Resp: 693999

Ion Ratio Lower Upper

178 100

176 21.3 16.6 25.0

179 16.7 12.8 19.2



#72

Anthracene

Concen: 6.376 ng

RT: 17.582 min Scan# 2433

Delta R.T. -0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

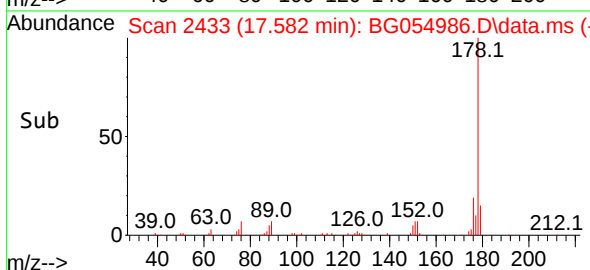
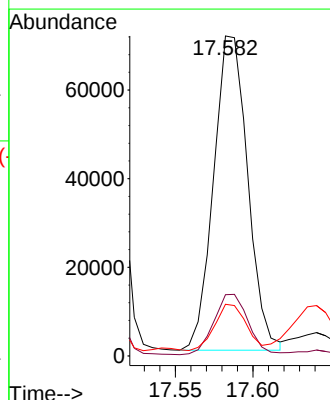
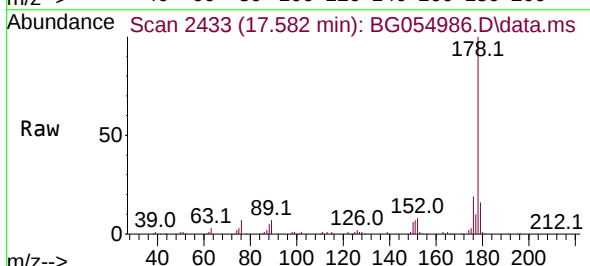
Tgt Ion:178 Resp: 109008

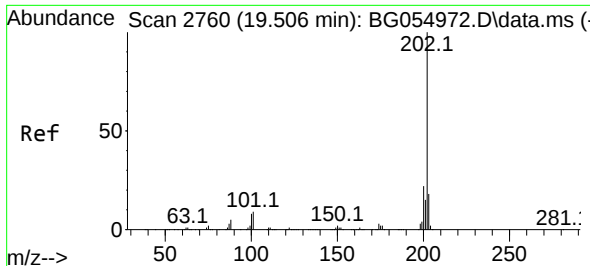
Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

179 16.1 12.9 19.3

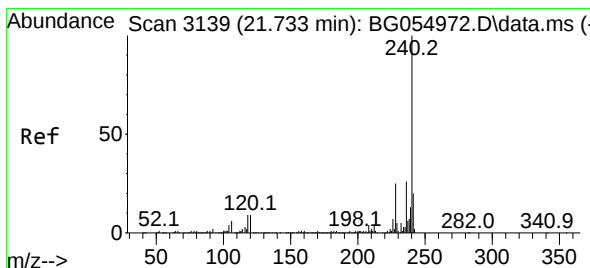
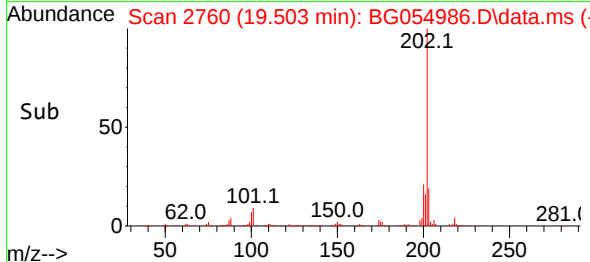
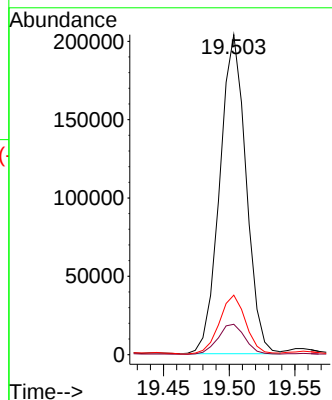
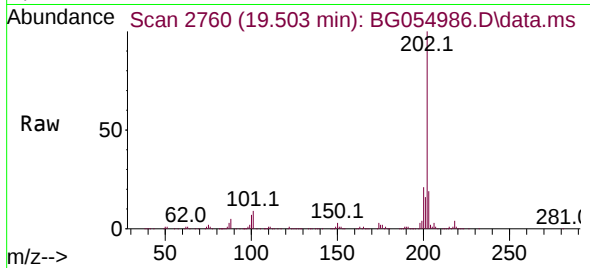




#75
Fluoranthene
Concen: 12.816 ng
RT: 19.503 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

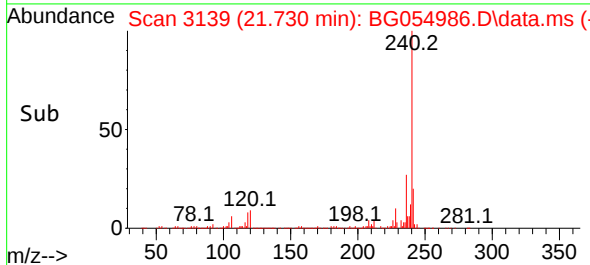
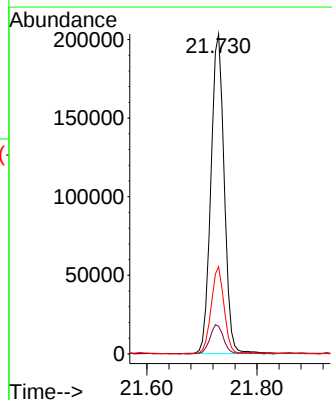
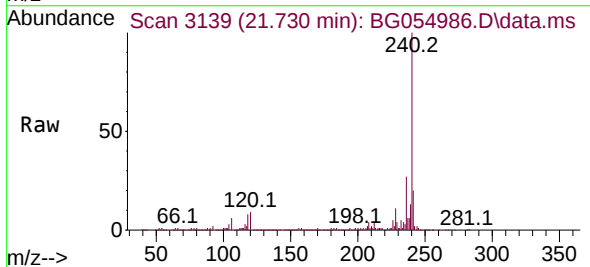
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

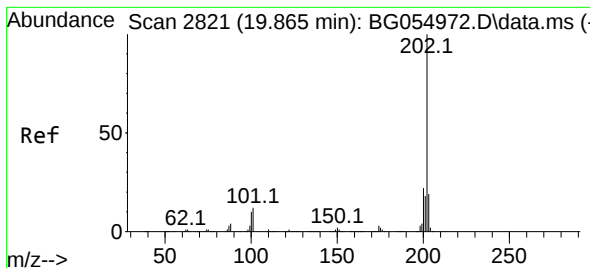
Tgt Ion:202 Resp: 284488
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 18.6 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.730 min Scan# 3139
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Tgt Ion:240 Resp: 340543
Ion Ratio Lower Upper
240 100
120 8.6 8.2 12.4
236 27.2 21.2 31.8





#78

Pyrene

Concen: 21.642 ng

RT: 19.868 min Scan# 2821

Delta R.T. 0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

Instrument :

BNA_G

ClientSampleId :

COMP-2DL3

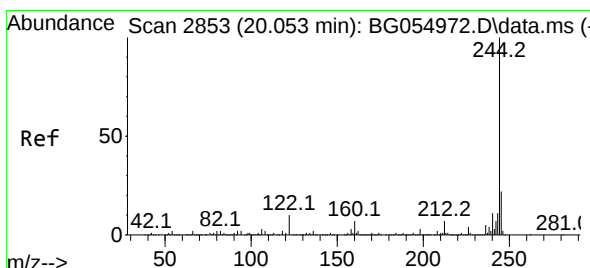
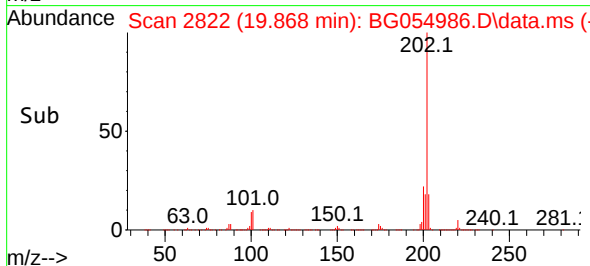
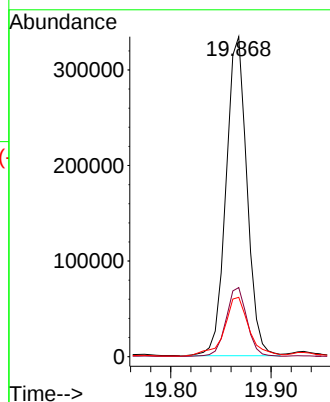
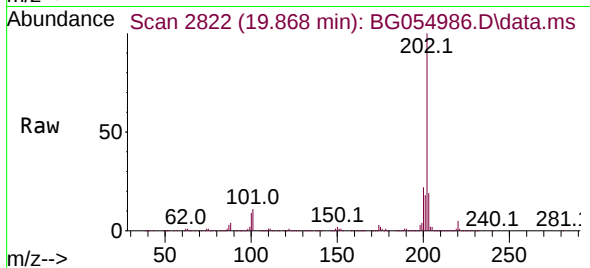
Tgt Ion:202 Resp: 484490

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.6 14.6 21.8



#79

Terphenyl-d14

Concen: 0.284 ng

RT: 20.050 min Scan# 2853

Delta R.T. -0.003 min

Lab File: BG054986.D

Acq: 20 Sep 2022 14:39

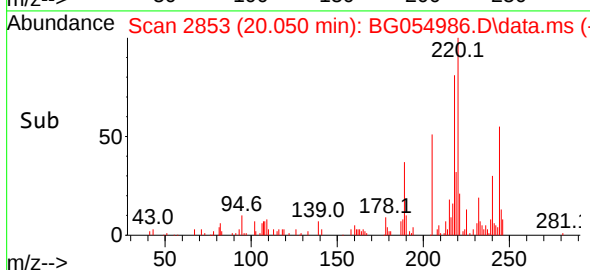
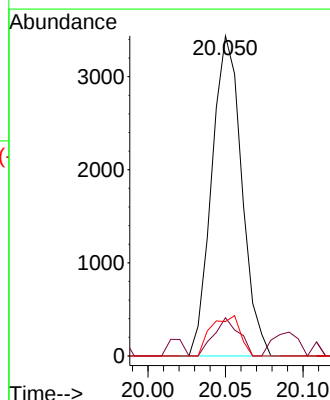
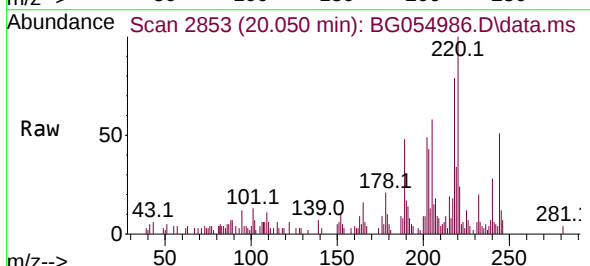
Tgt Ion:244 Resp: 4626

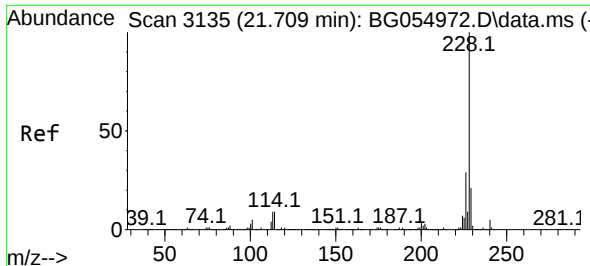
Ion Ratio Lower Upper

244 100

212 11.9 6.2 9.2#

122 10.7 9.0 13.6

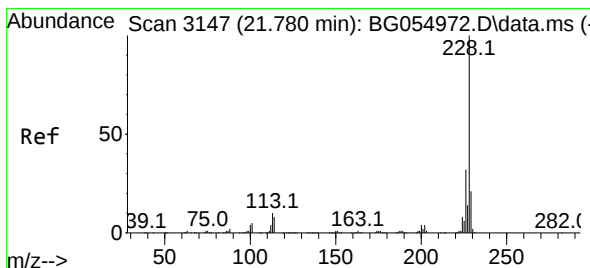
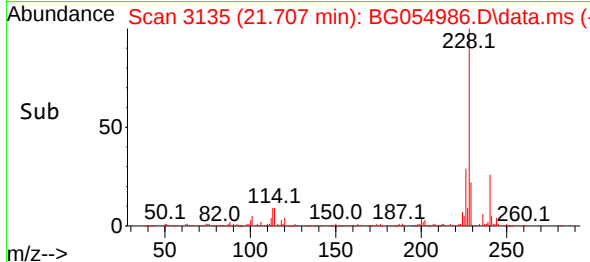
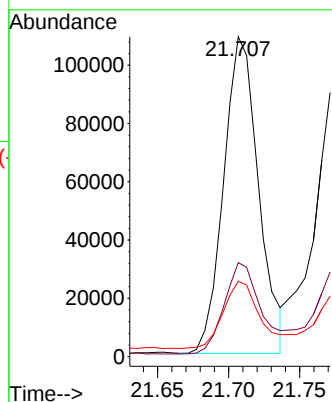
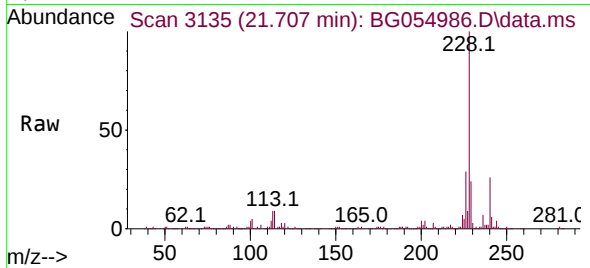




#81
Benzo(a)anthracene
Concen: 8.472 ng
RT: 21.707 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

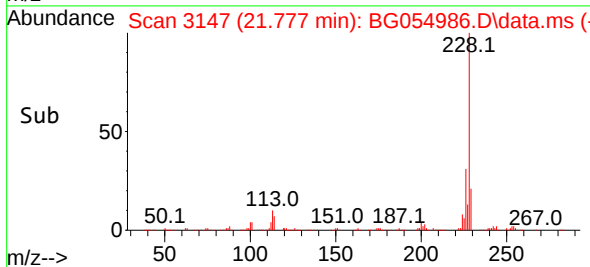
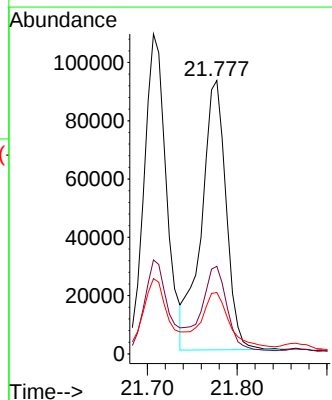
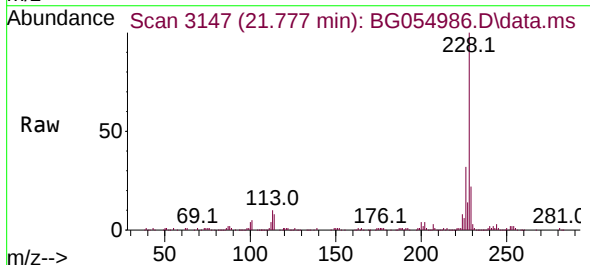
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

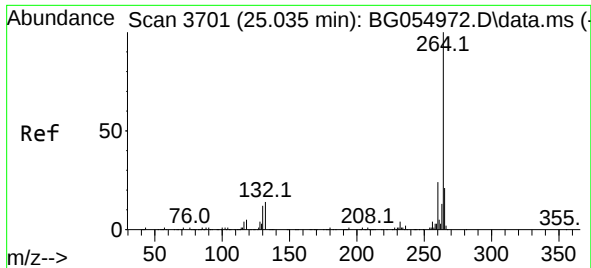
Tgt Ion:228 Resp: 185559
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 23.5 16.5 24.7



#83
Chrysene
Concen: 8.436 ng
RT: 21.777 min Scan# 3147
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Tgt Ion:228 Resp: 176871
Ion Ratio Lower Upper
228 100
226 32.0 25.5 38.3
229 22.5 16.8 25.2

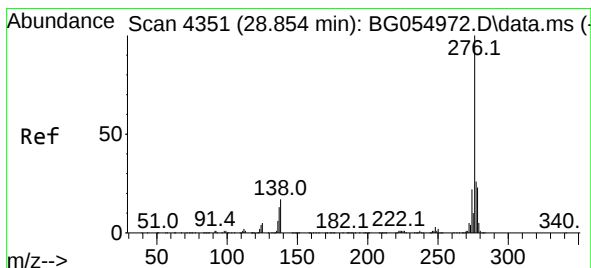
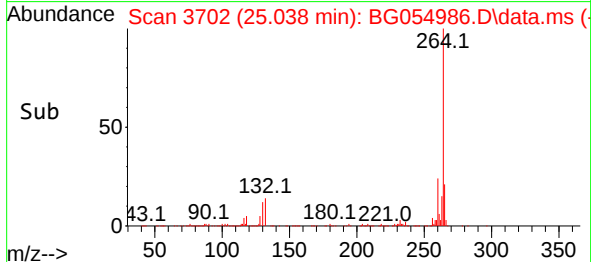
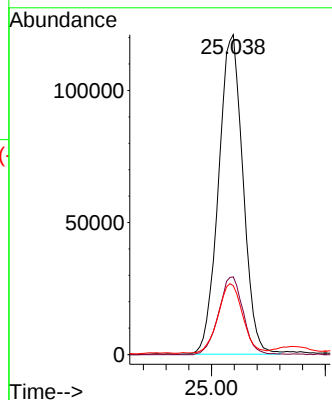
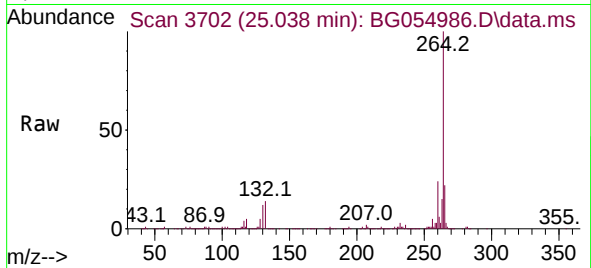




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.038 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

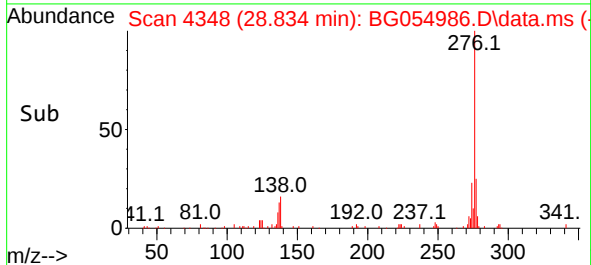
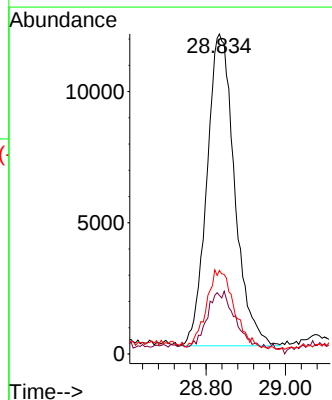
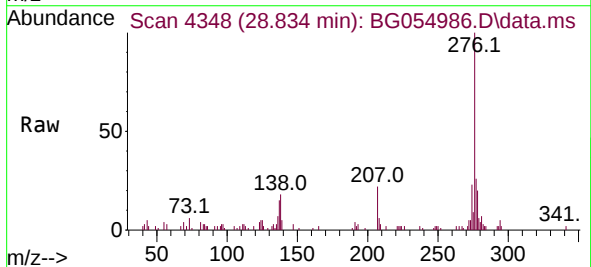
Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

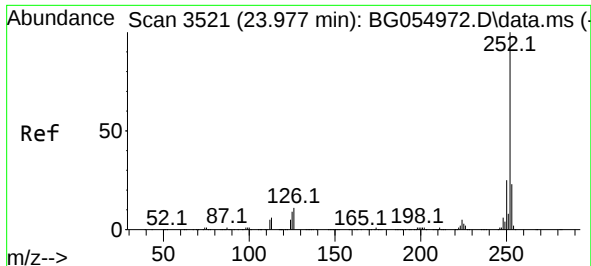
Tgt Ion:264 Resp: 360559
Ion Ratio Lower Upper
264 100
260 24.3 19.9 29.9
265 21.5 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.147 ng
RT: 28.834 min Scan# 4348
Delta R.T. -0.020 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

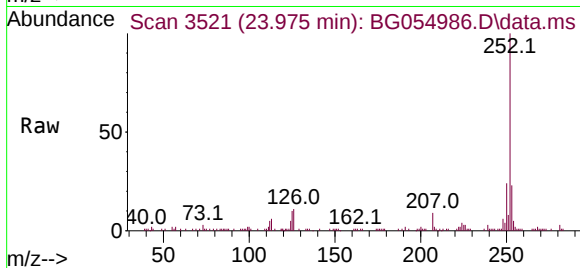
Tgt Ion:276 Resp: 57538
Ion Ratio Lower Upper
276 100
138 0.0 12.0 18.0#
277 25.7 20.2 30.4



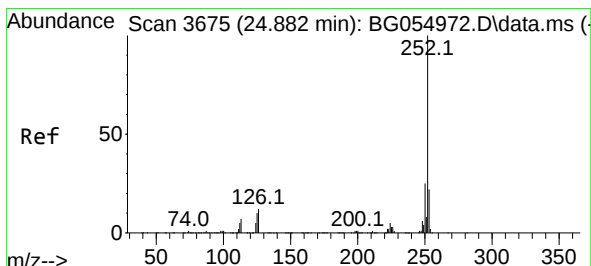
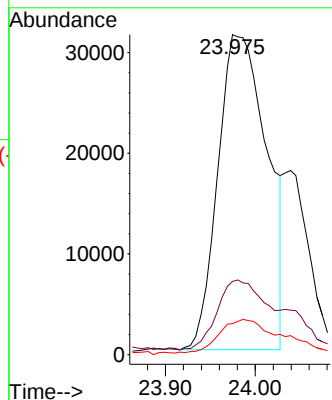
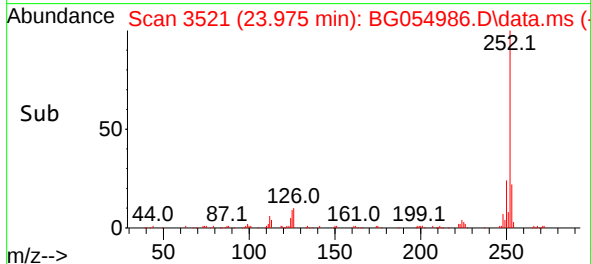


#88
Benzo(b)fluoranthene
Concen: 5.612 ng
RT: 23.975 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

Instrument :
BNA_G
ClientSampleId :
COMP-2DL3

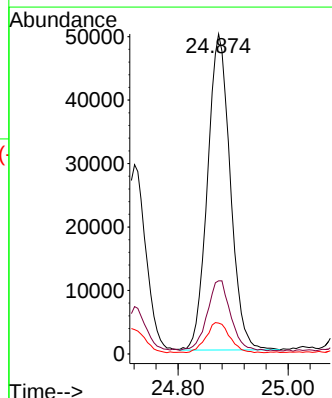
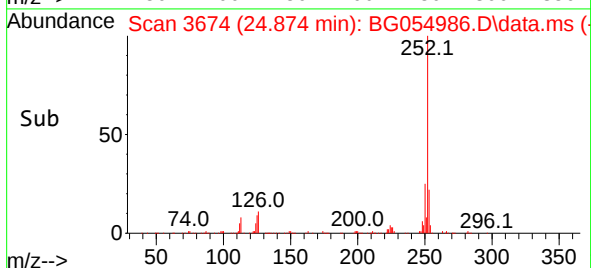
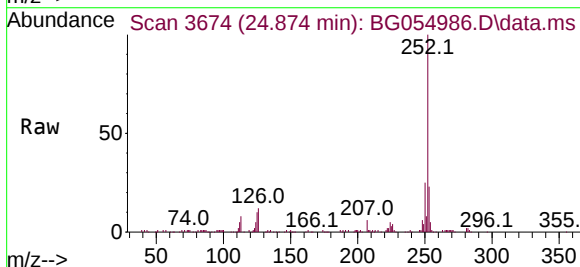


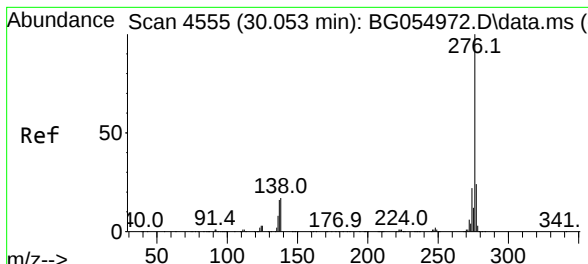
Tgt Ion:252 Resp: 119342
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 9.7 8.1 12.1



#90
Benzo(a)pyrene
Concen: 7.793 ng
RT: 24.874 min Scan# 3674
Delta R.T. -0.009 min
Lab File: BG054986.D
Acq: 20 Sep 2022 14:39

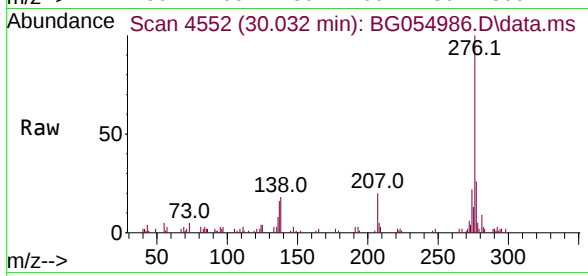
Tgt Ion:252 Resp: 142702
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 9.6 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.021 ng
 RT: 30.032 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: BG054986.D
 Acq: 20 Sep 2022 14:39

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2DL3



Tgt Ion:276 Resp: 67207

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	18.2	16.6	25.0

