

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090822\
 Data File : BG054891.D
 Acq On : 8 Sep 2022 20:01
 Operator : CG/JU
 Sample : N4520-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 600540642

Quant Time: Sep 09 02:52:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 09 02:45:21 2022
 Response via : Initial Calibration

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

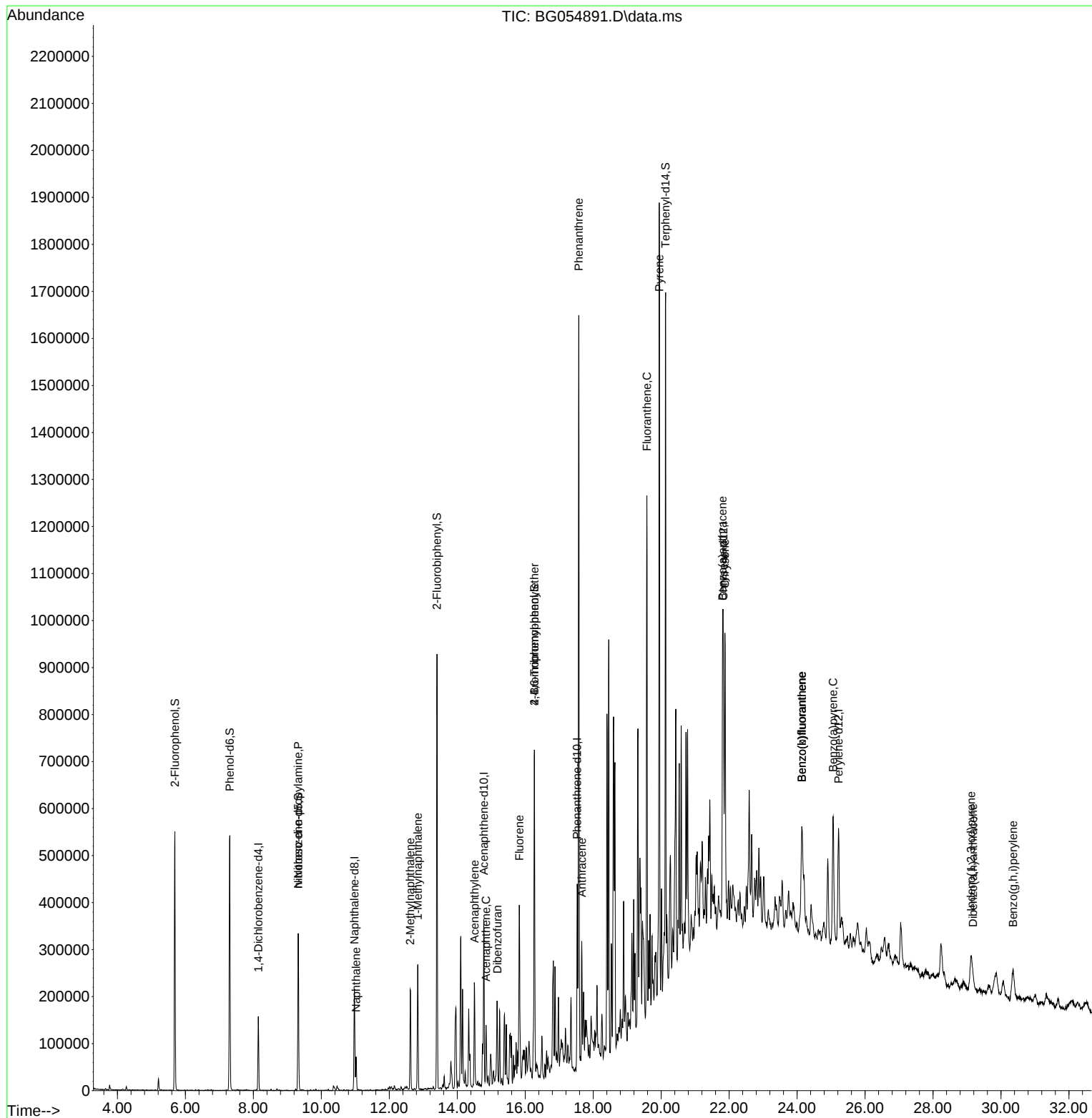
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	48123	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	199067	20.000	ng	# 0.00
39) Acenaphthene-d10	14.780	164	131008	20.000	ng	-0.01
64) Phenanthrene-d10	17.530	188	269012	20.000	ng	0.00
76) Chrysene-d12	21.831	240	247989	20.000	ng	0.00
86) Perylene-d12	25.221	264	268751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	269598	97.556	ng	0.00
7) Phenol-d6	7.307	99	364358	96.407	ng	0.00
23) Nitrobenzene-d5	9.322	82	215508	56.832	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	147714	90.233	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	507434	58.216	ng	0.00
79) Terphenyl-d14	20.133	244	722305	57.711	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	27337	10.519	ng	# 76
31) Naphthalene	11.026	128	64321	6.022	ng	99
37) 2-Methylnaphthalene	12.618	142	111221	14.858	ng	99
38) 1-Methylnaphthalene	12.841	142	133889	18.384	ng	100
49) Acenaphthylene	14.510	152	107704	8.834	ng	# 92
52) Acenaphthene	14.845	154	40448	5.165	ng	99
55) Dibenzofuran	15.180	168	36001	3.128	ng	# 79
58) Fluorene	15.826	166	177671	18.326	ng	100
67) 4-Bromophenyl-phenylether	16.273	248	9651	3.268	ng	# 1
71) Phenanthrene	17.577	178	1013514	70.724	ng	98
72) Anthracene	17.665	178	178961	12.845	ng	99
75) Fluoranthene	19.581	202	662709	38.015	ng	97
78) Pyrene	19.945	202	1001282	57.904	ng	97
81) Benzo(a)anthracene	21.807	228	373862	22.235	ng	# 92
83) Chrysene	21.878	228	442357	27.515	ng	# 95
87) Indeno(1,2,3-cd)pyrene	29.122	276	147551	7.232	ng	# 97
88) Benzo(b)fluoranthene	24.140	252	416640	24.713	ng	# 88
89) Benzo(k)fluoranthene	24.140	252	416640	24.556	ng	# 88
90) Benzo(a)pyrene	25.062	252	311765	21.645	ng	97
91) Dibenzo(a,h)anthracene	29.175	278	44680	2.688	ng	# 71
92) Benzo(g,h,i)perylene	30.356	276	168771	10.051	ng	96

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

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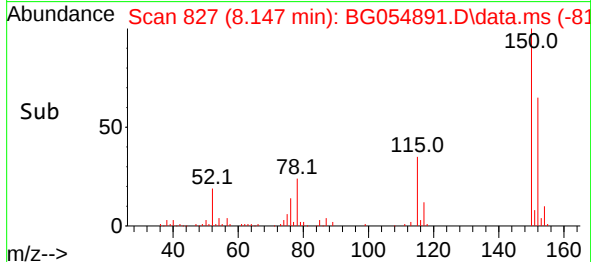
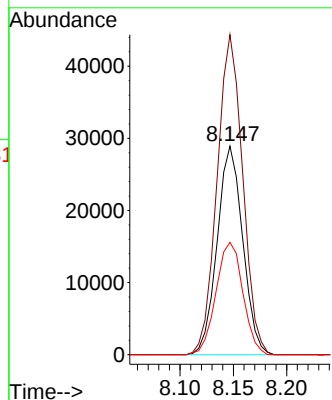
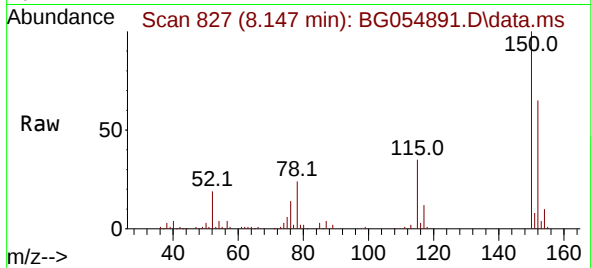




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

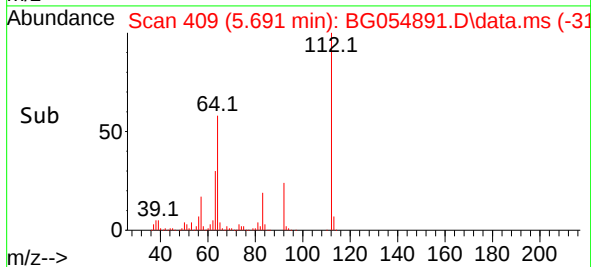
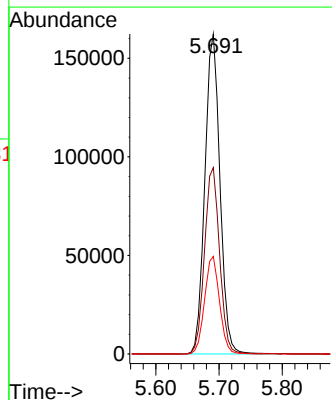
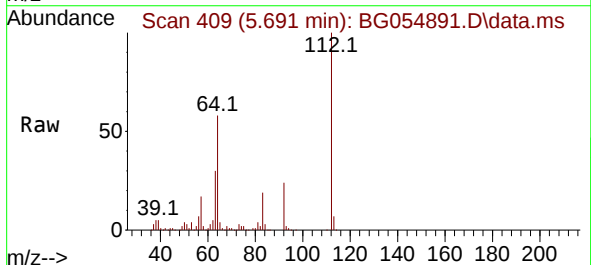
Instrument :
BNA_G
ClientSampleId :
600540642

Tgt Ion:152 Resp: 48123
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 53.9 47.9 71.9



#5
2-Fluorophenol
Concen: 97.556 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:112 Resp: 269598
Ion Ratio Lower Upper
112 100
64 58.3 49.3 73.9
63 30.5 26.3 39.5

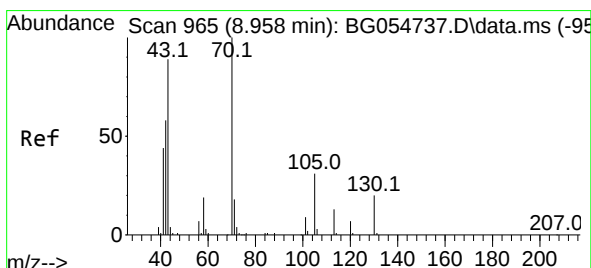
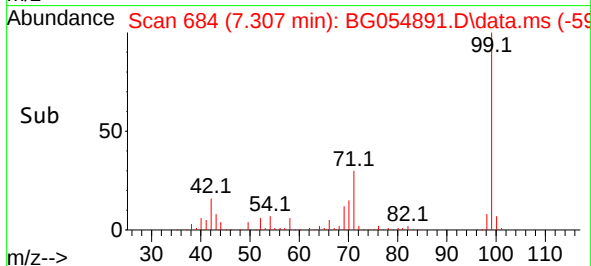
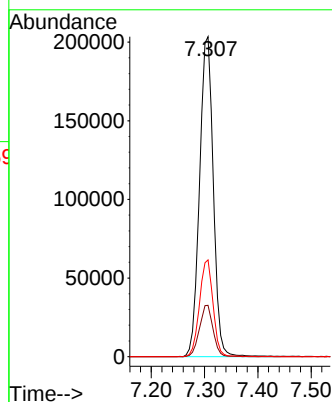
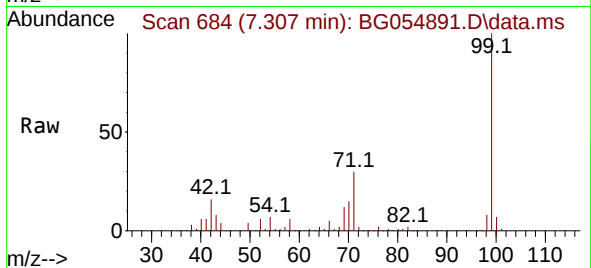




#7
Phenol-d6
Concen: 96.407 ng
RT: 7.307 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

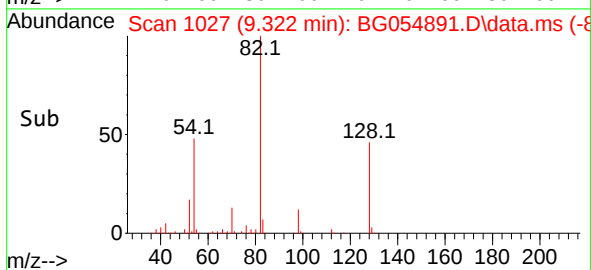
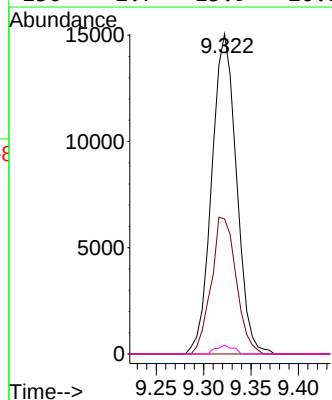
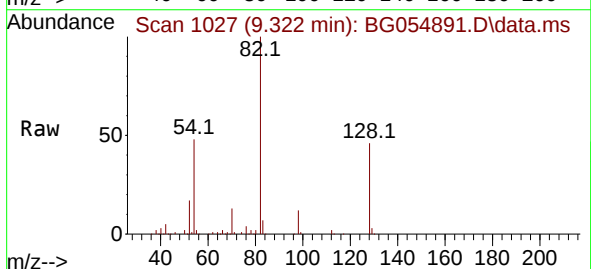
Instrument :
BNA_G
ClientSampleId :
600540642

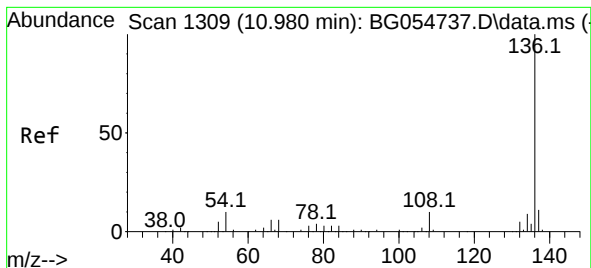
Tgt Ion: 99 Resp: 364358
Ion Ratio Lower Upper
99 100
42 16.0 14.6 22.0
71 30.2 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.519 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.365 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion: 70 Resp: 27337
Ion Ratio Lower Upper
70 100
42 42.2 46.6 69.8#
101 0.0 7.7 11.5#
130 2.7 13.9 20.9#

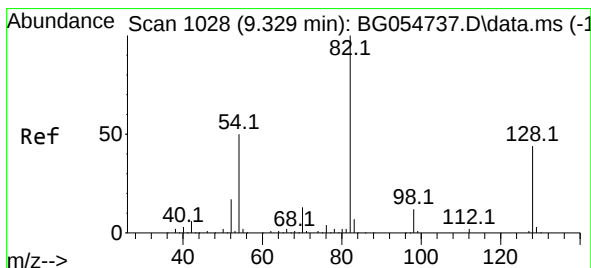
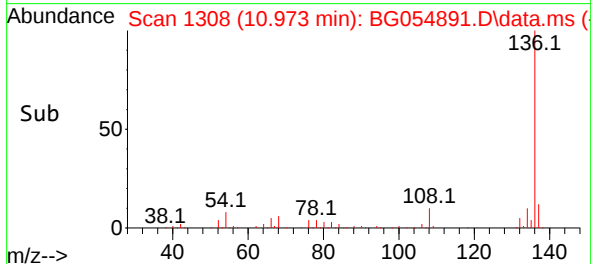
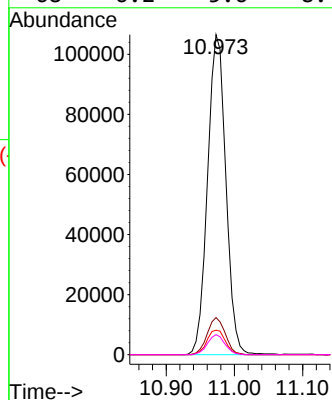
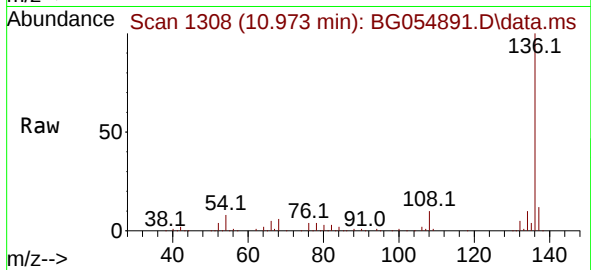




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

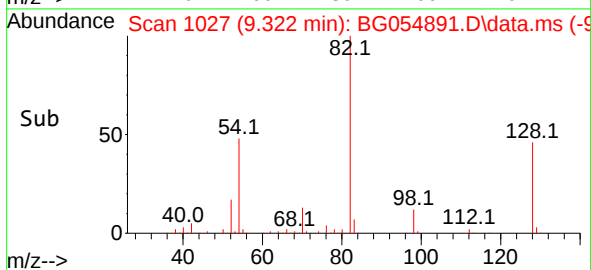
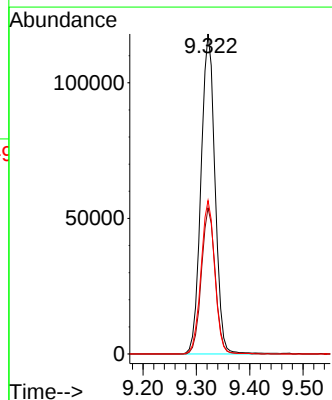
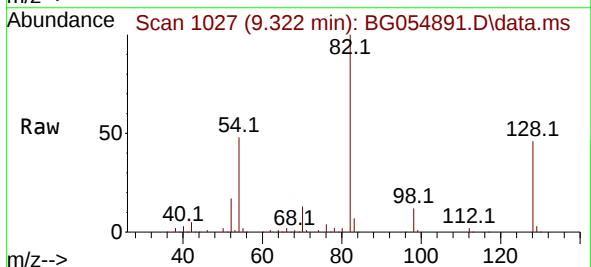
Instrument :
BNA_G
ClientSampleId :
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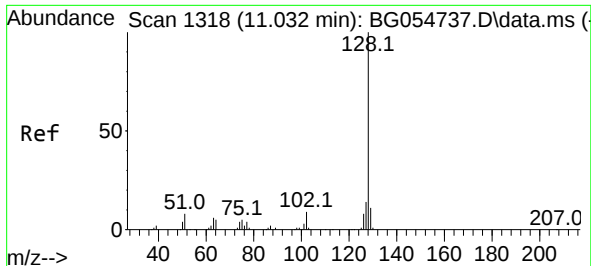
Tgt Ion:136 Resp: 199067
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 7.6 7.7 11.5#
68 6.2 5.6 8.4



#23
Nitrobenzene-d5
Concen: 56.832 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion: 82 Resp: 215508
Ion Ratio Lower Upper
82 100
128 45.7 32.2 48.2
54 47.9 41.4 62.0

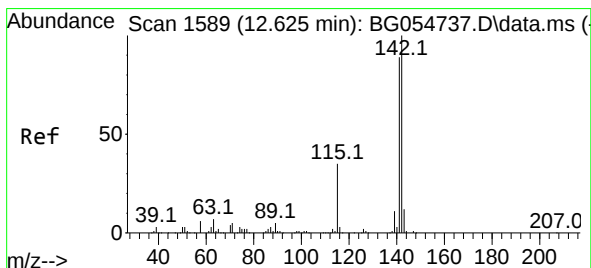
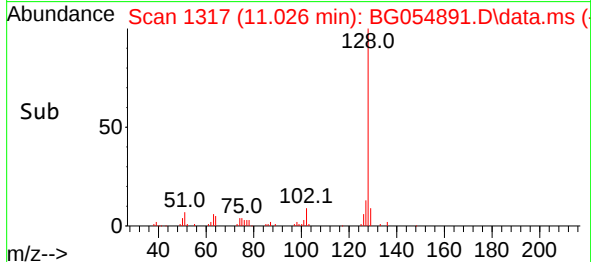
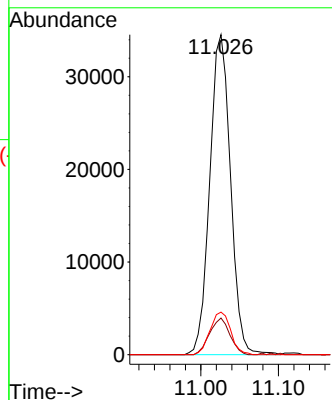
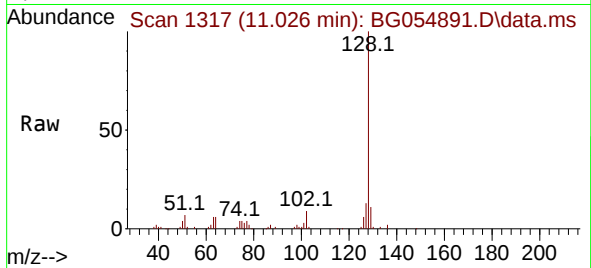




#31
Naphthalene
Concen: 6.022 ng
RT: 11.026 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

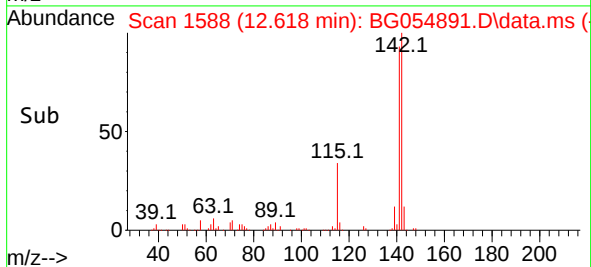
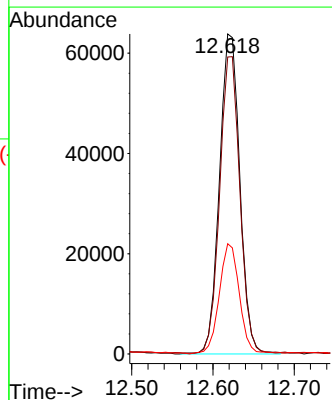
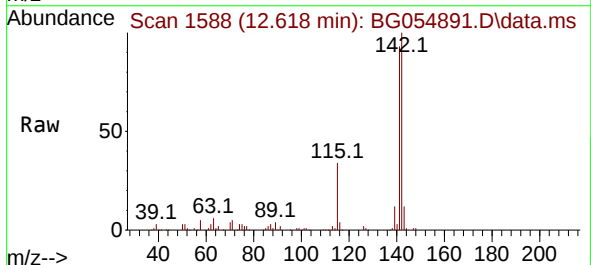
Instrument :
BNA_G
ClientSampleId :
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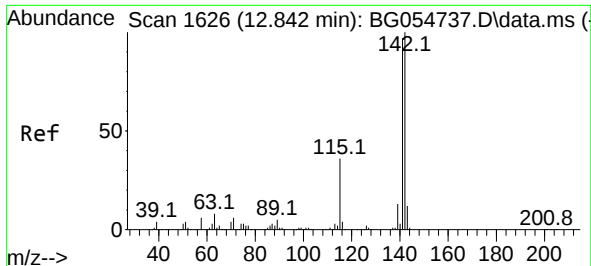
Tgt Ion:128 Resp: 64321
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.3 11.1 16.7



#37
2-Methylnaphthalene
Concen: 14.858 ng
RT: 12.618 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:142 Resp: 111221
Ion Ratio Lower Upper
142 100
141 92.8 73.0 109.4
115 34.4 27.3 40.9

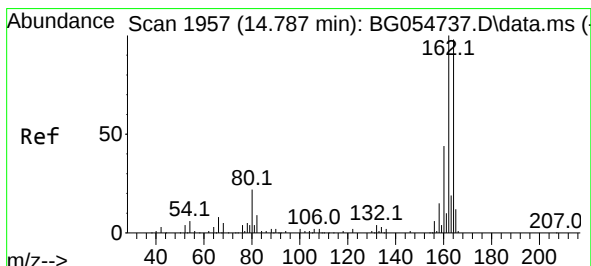
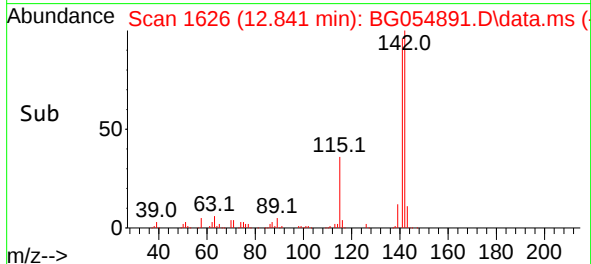
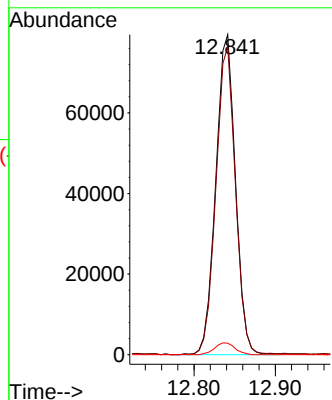
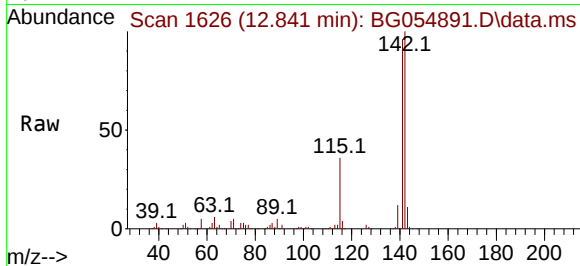




#38
1-Methylnaphthalene
Concen: 18.384 ng
RT: 12.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

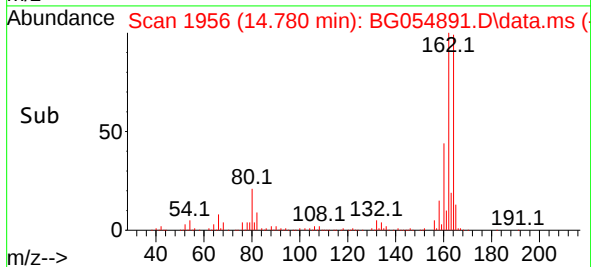
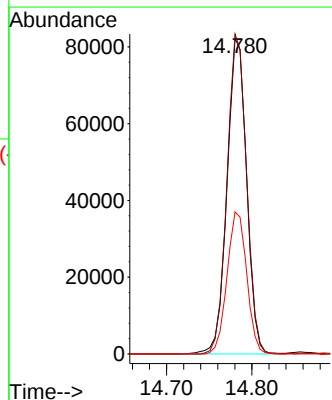
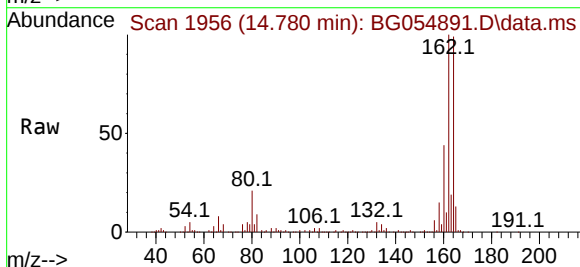
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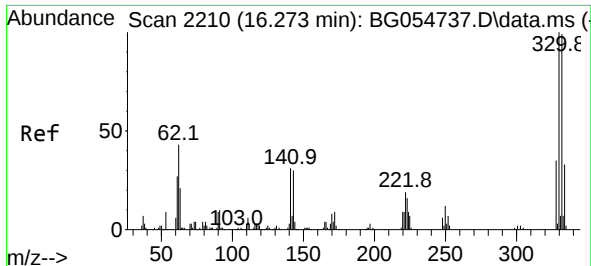
Tgt Ion:142 Resp: 133889
Ion Ratio Lower Upper
142 100
141 96.4 77.4 116.0
116 3.6 3.0 4.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1956
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

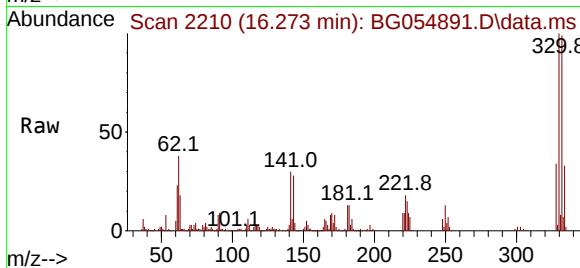
Tgt Ion:164 Resp: 131008
Ion Ratio Lower Upper
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162 101.4 83.0 124.4
160 45.0 38.0 57.0



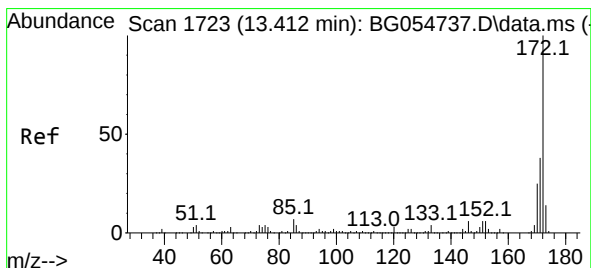
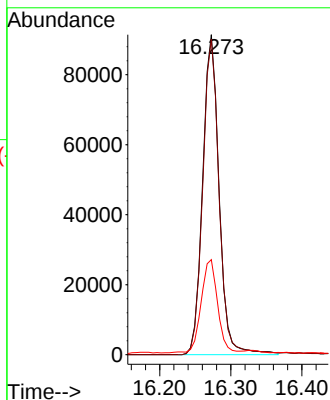
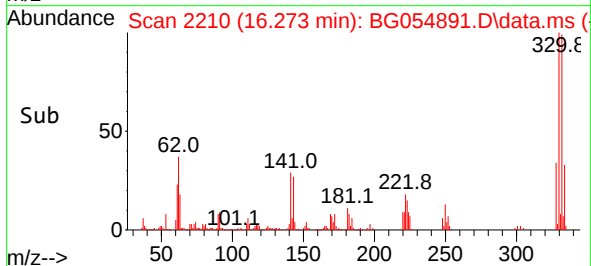


#42
2,4,6-Tribromophenol
Concen: 90.233 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

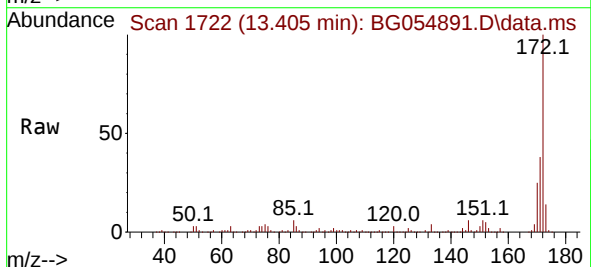
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ClientSampleId :
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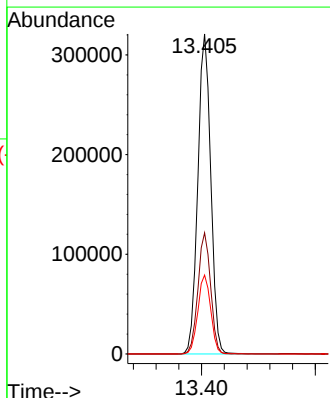
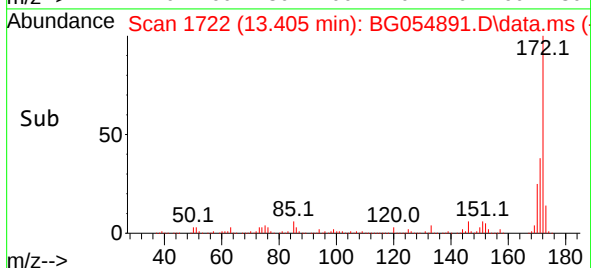
Tgt Ion:330 Resp: 147714
Ion Ratio Lower Upper
330 100
332 98.0 79.8 119.6
141 28.9 26.8 40.2

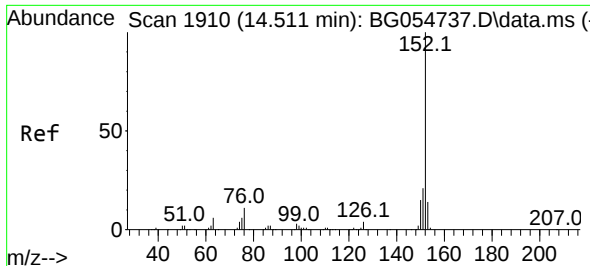


#45
2-Fluorobiphenyl
Concen: 58.216 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



Tgt Ion:172 Resp: 507434
Ion Ratio Lower Upper
172 100
171 37.8 31.2 46.8
170 24.7 20.6 30.8

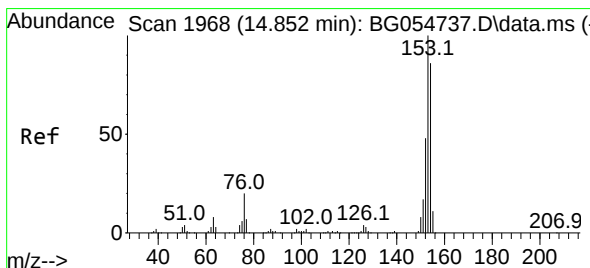
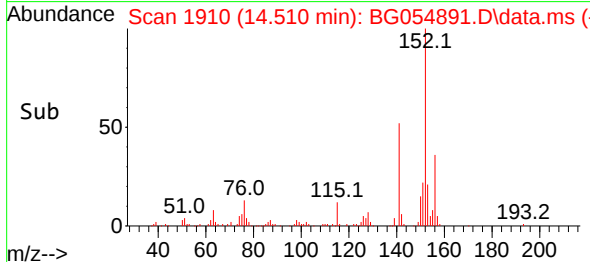
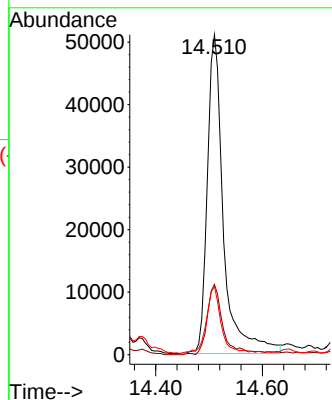
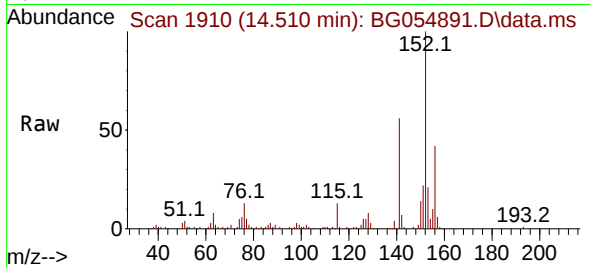




#49
Acenaphthylene
Concen: 8.834 ng
RT: 14.510 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

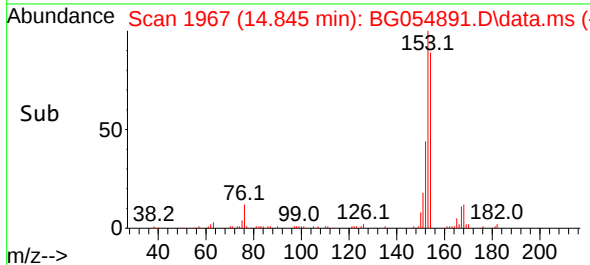
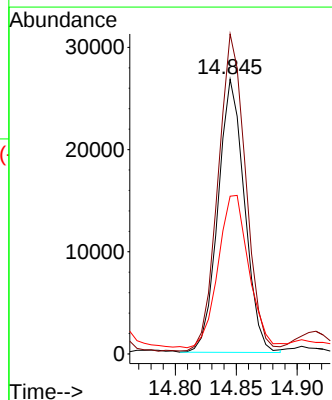
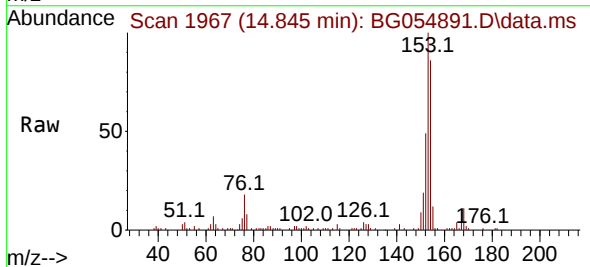
Instrument :
BNA_G
ClientSampleId :
600540642

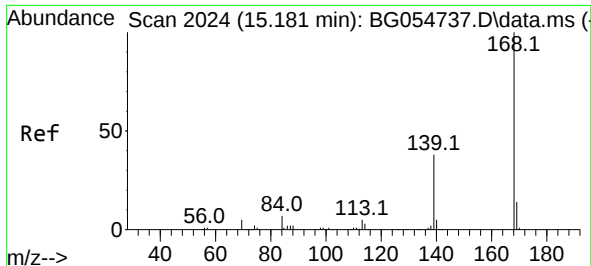
Tgt Ion:152 Resp: 107704
Ion Ratio Lower Upper
152 100
151 22.0 17.3 25.9
153 21.3 10.8 16.2#



#52
Acenaphthene
Concen: 5.165 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

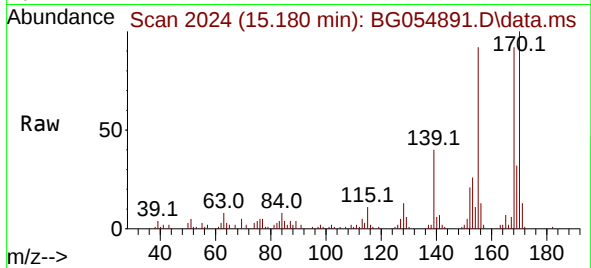
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Ion Ratio Lower Upper
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153 116.5 92.8 139.2
152 57.4 45.4 68.2



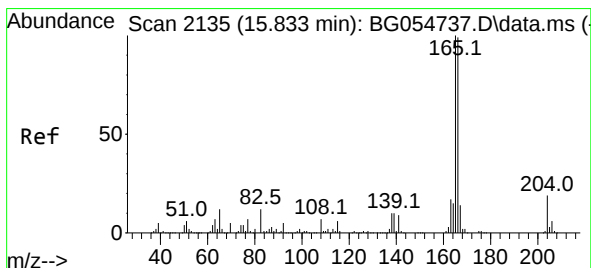
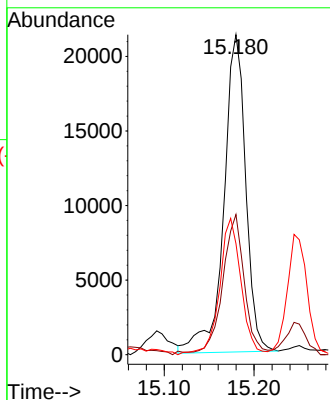
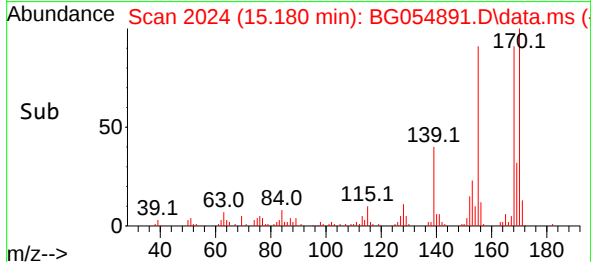


#55
Dibenzenofuran
Concen: 3.128 ng
RT: 15.180 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

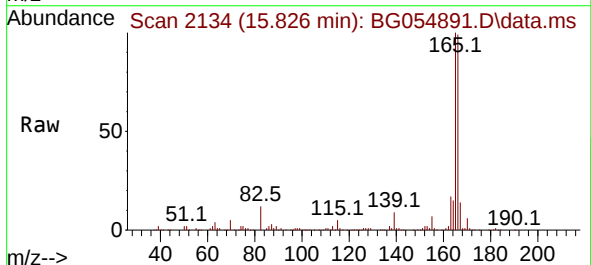
Instrument :
BNA_G
ClientSampleId :
600540642



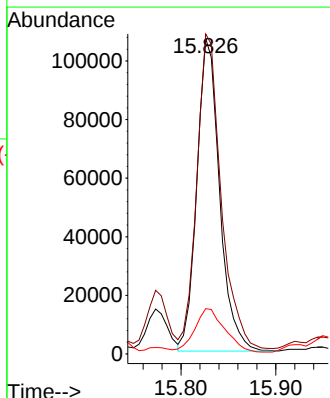
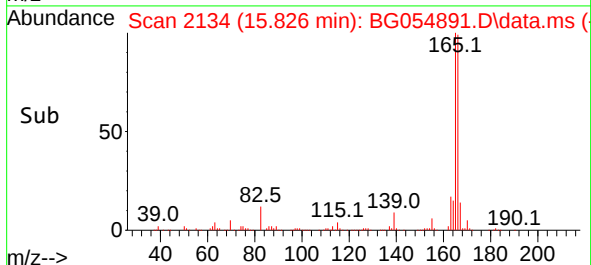
Tgt Ion:168 Resp: 36001
Ion Ratio Lower Upper
168 100
139 43.8 30.2 45.2
169 34.7 11.3 16.9#

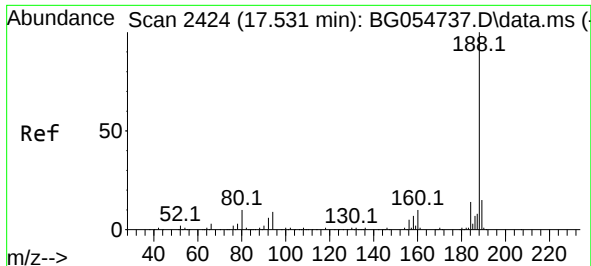


#58
Fluorene
Concen: 18.326 ng
RT: 15.826 min Scan# 2134
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



Tgt Ion:166 Resp: 177671
Ion Ratio Lower Upper
166 100
165 101.4 80.8 121.2
167 14.3 11.4 17.0

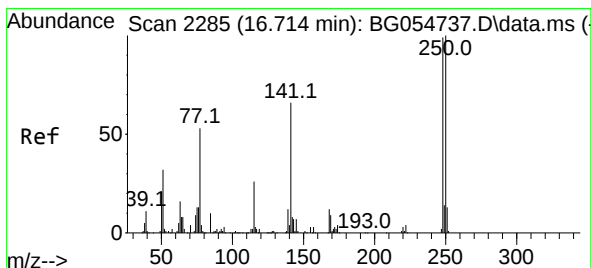
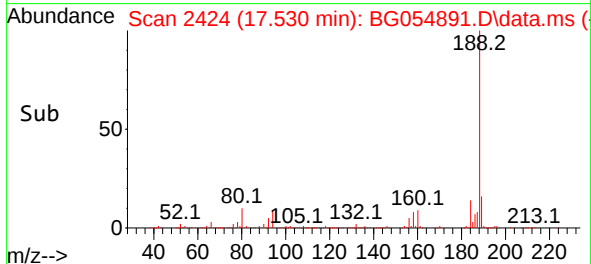
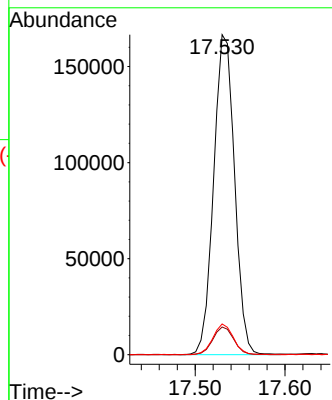
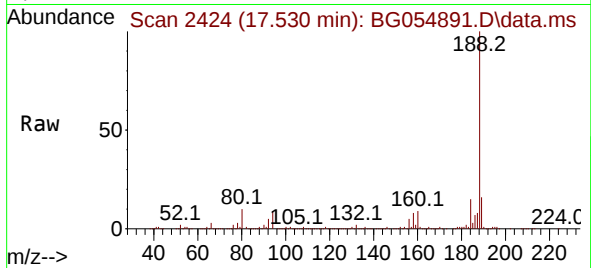




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

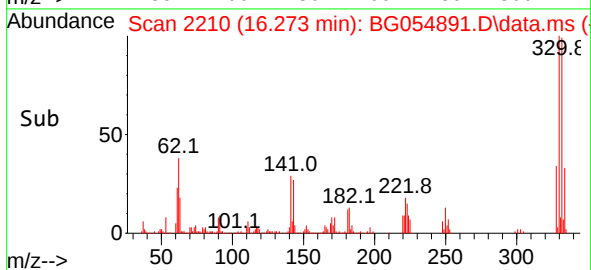
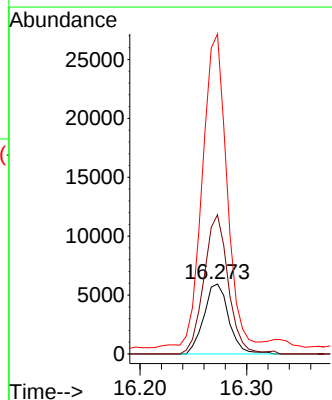
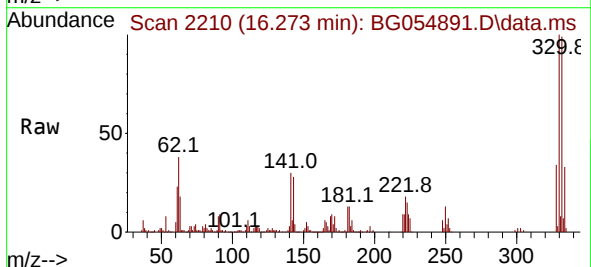
Instrument :
BNA_G
ClientSampleId :
600540642

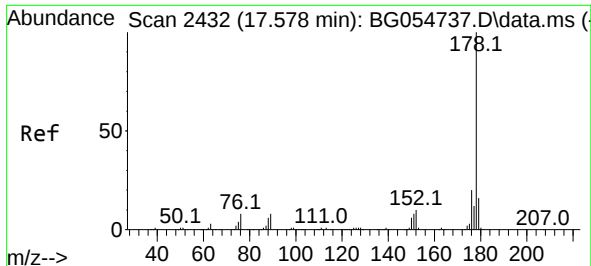
Tgt Ion:188 Resp: 269012
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.268 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.446 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:248 Resp: 9651
Ion Ratio Lower Upper
248 100
250 199.0 78.8 118.2#
141 457.2 51.9 77.9#

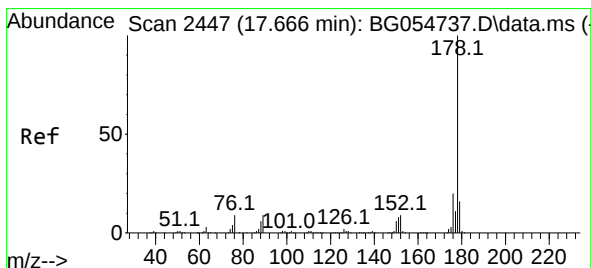
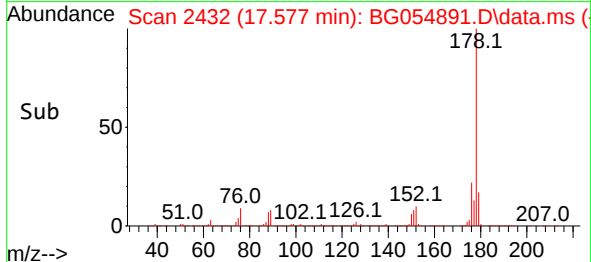
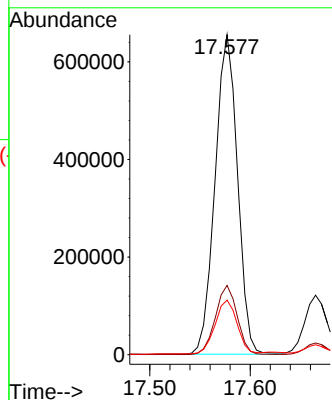
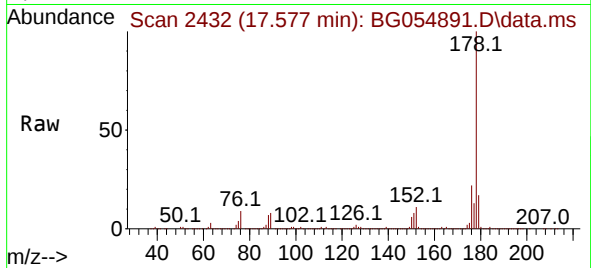




#71
Phenanthrene
Concen: 70.724 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

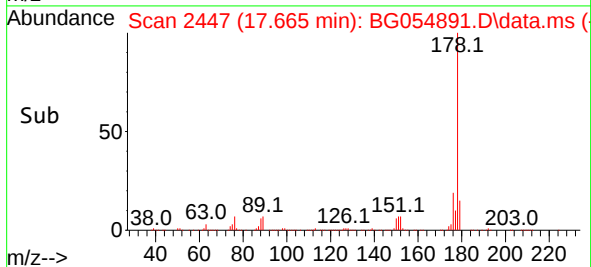
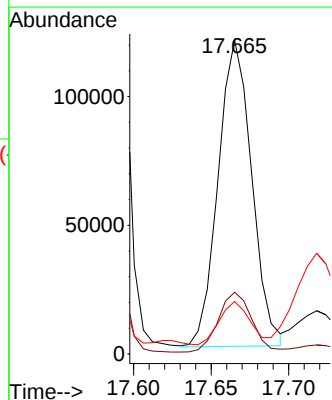
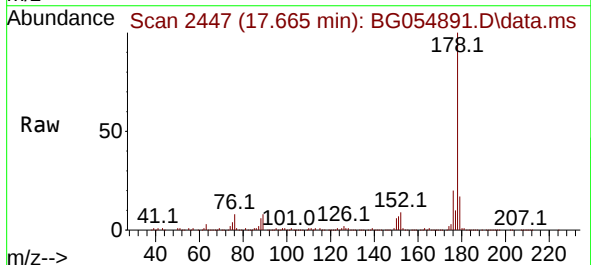
Instrument :
BNA_G
ClientSampleId :
600540642

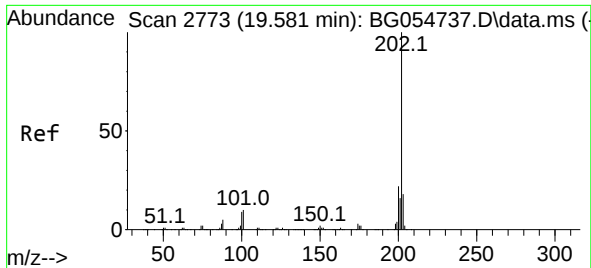
Tgt Ion:178 Resp: 1013514
Ion Ratio Lower Upper
178 100
176 21.7 16.6 25.0
179 17.0 12.8 19.2



#72
Anthracene
Concen: 12.845 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:178 Resp: 178961
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.7 12.9 19.3

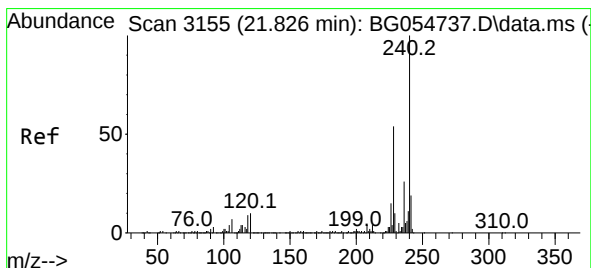
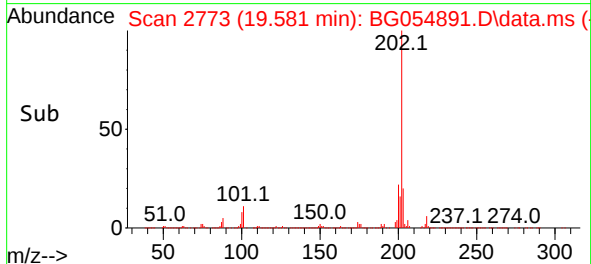
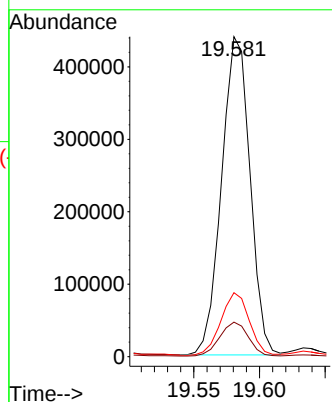
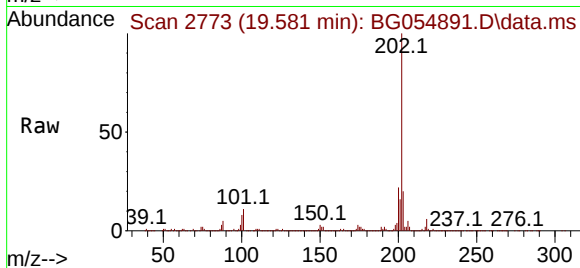




#75
 Fluoranthene
 Concen: 38.015 ng
 RT: 19.581 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054891.D
 Acq: 8 Sep 2022 20:01

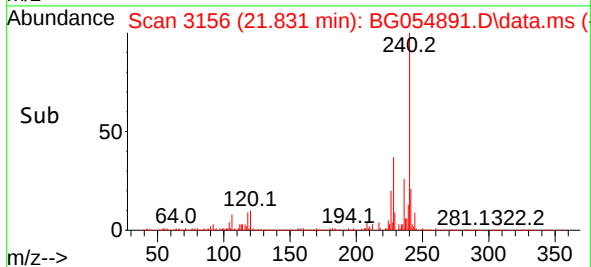
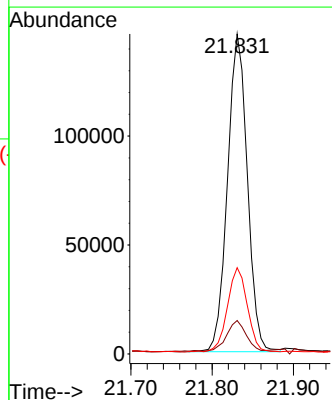
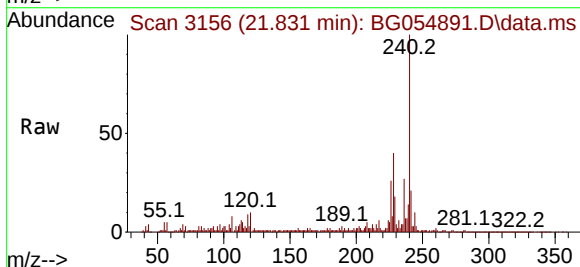
Instrument :
 BNA_G
 ClientSampleId :
 600540642

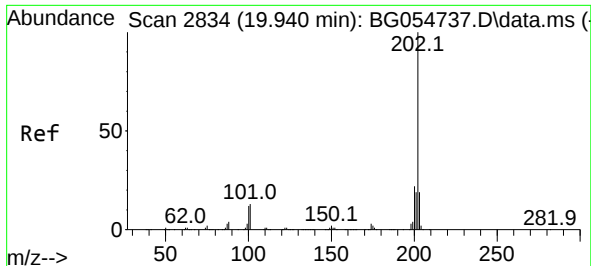
Tgt Ion:	202	Resp:	662709
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	20.0	0.0	38.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.831 min Scan# 3156
 Delta R.T. -0.006 min
 Lab File: BG054891.D
 Acq: 8 Sep 2022 20:01

Tgt Ion:	240	Resp:	247989
Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.4
236	27.0	21.2	31.8

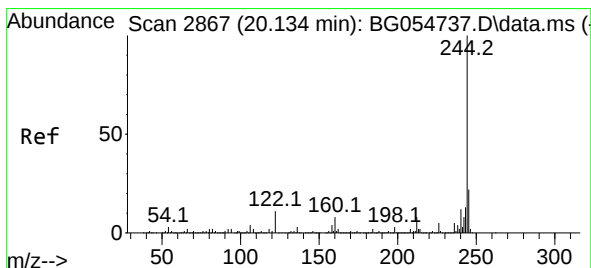
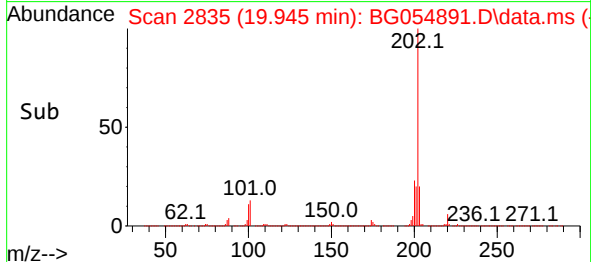
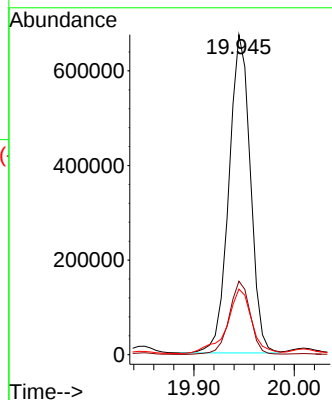
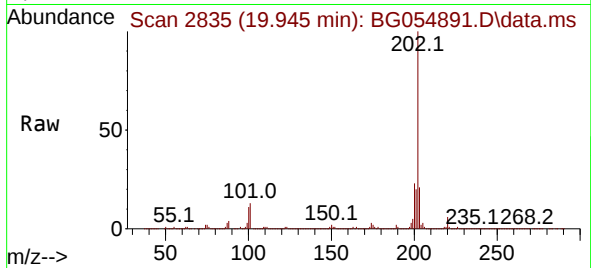




#78
 Pyrene
 Concen: 57.904 ng
 RT: 19.945 min Scan# 2835
 Delta R.T. 0.000 min
 Lab File: BG054891.D
 Acq: 8 Sep 2022 20:01

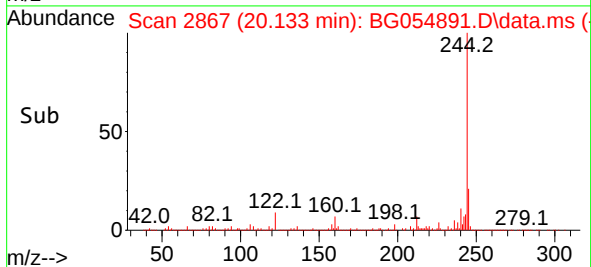
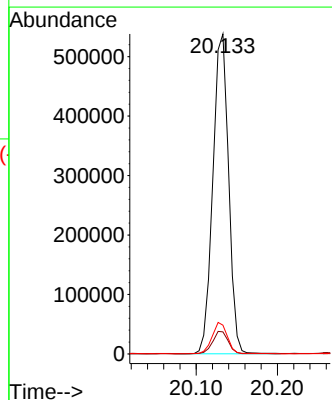
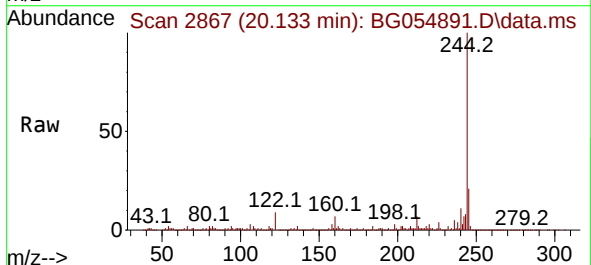
Instrument :
 BNA_G
 ClientSampleId :
 600540642

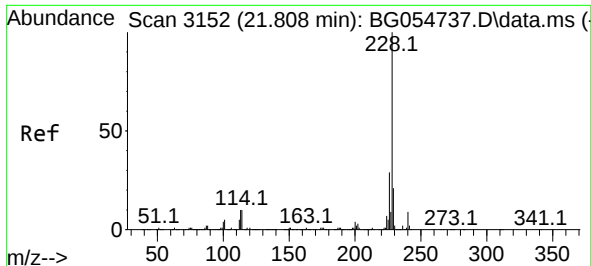
Tgt Ion:202 Resp: 1001282
 Ion Ratio Lower Upper
 202 100
 200 22.9 17.8 26.6
 203 20.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 57.711 ng
 RT: 20.133 min Scan# 2867
 Delta R.T. 0.000 min
 Lab File: BG054891.D
 Acq: 8 Sep 2022 20:01

Tgt Ion:244 Resp: 722305
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.0 9.0 13.6#

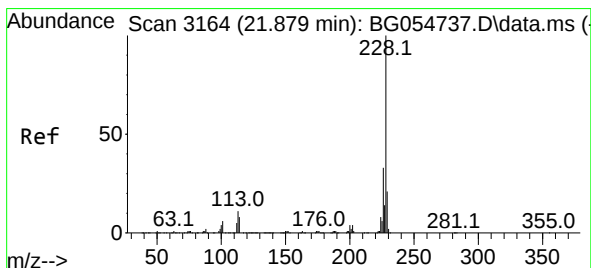
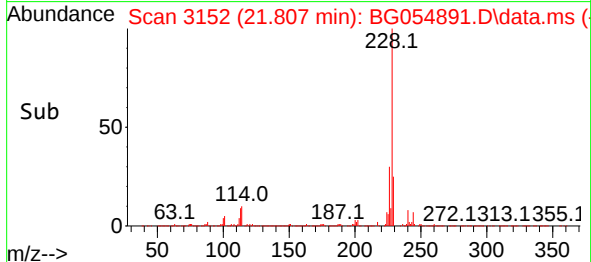
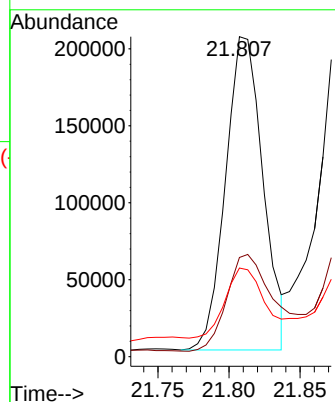
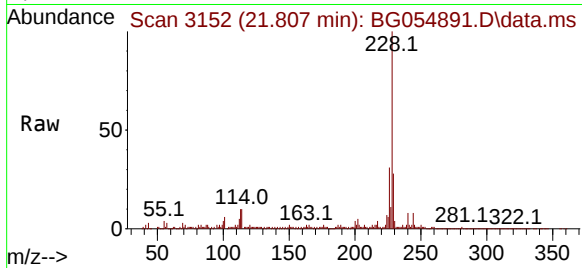




#81
Benzo(a)anthracene
Concen: 22.235 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

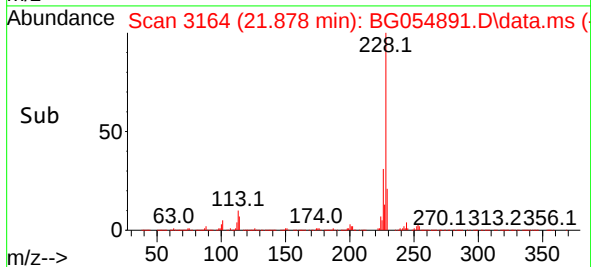
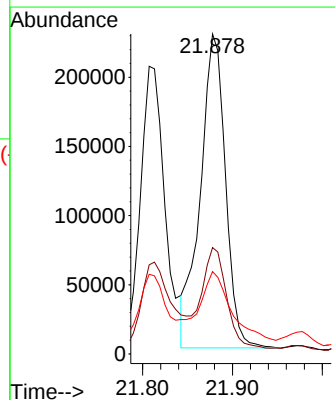
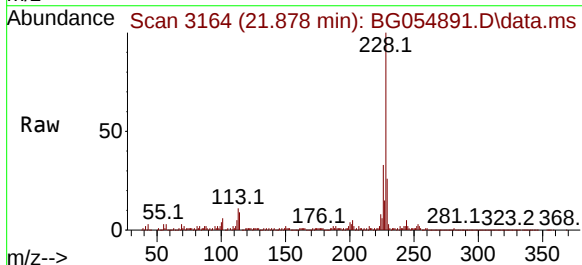
Instrument :
BNA_G
ClientSampleId :
600540642

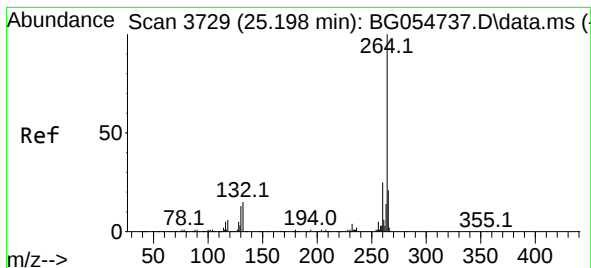
Tgt Ion:228 Resp: 373862
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.2
229 27.7 16.5 24.7#



#83
Chrysene
Concen: 27.515 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:228 Resp: 442357
Ion Ratio Lower Upper
228 100
226 33.2 25.5 38.3
229 25.8 16.8 25.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.221 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG054891.D

Acq: 8 Sep 2022 20:01

Instrument :

BNA_G

ClientSampleId :

600540642

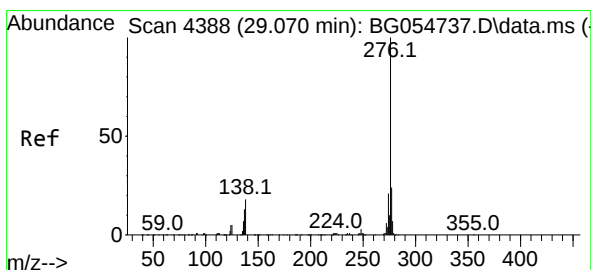
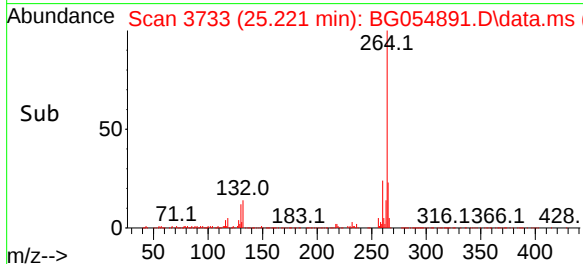
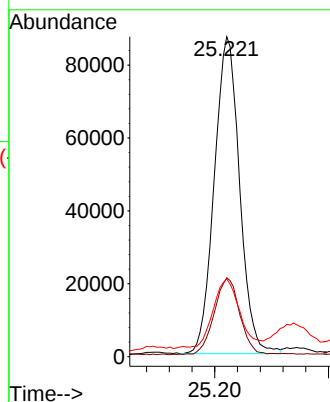
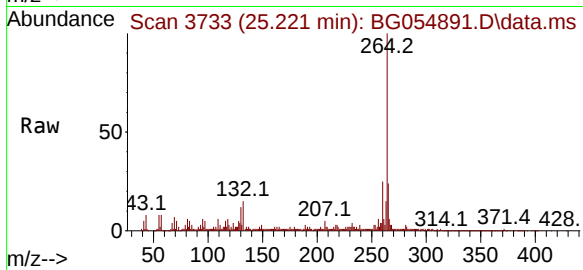
Tgt Ion:264 Resp: 268751

Ion Ratio Lower Upper

264 100

260 24.7 19.9 29.9

265 24.3 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.232 ng

RT: 29.122 min Scan# 4397

Delta R.T. -0.006 min

Lab File: BG054891.D

Acq: 8 Sep 2022 20:01

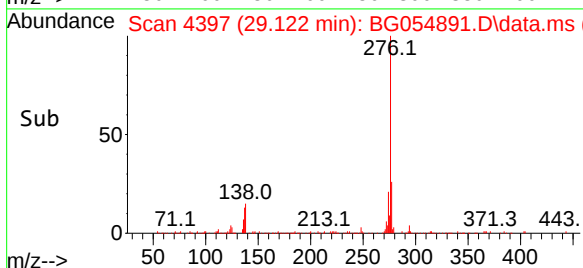
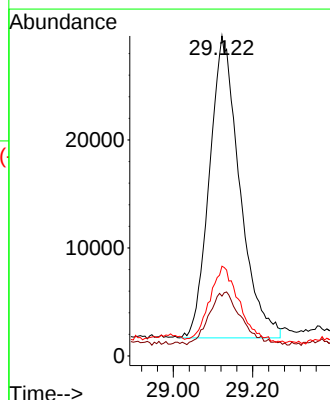
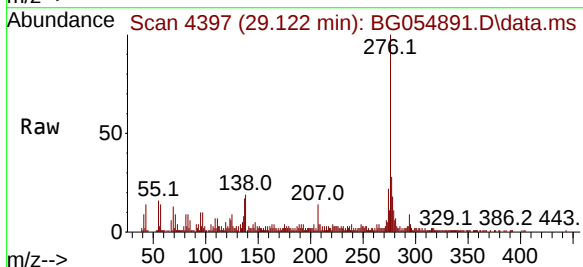
Tgt Ion:276 Resp: 147551

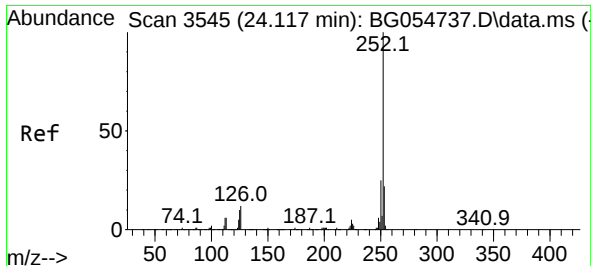
Ion Ratio Lower Upper

276 100

138 18.2 12.0 18.0#

277 24.9 20.2 30.4

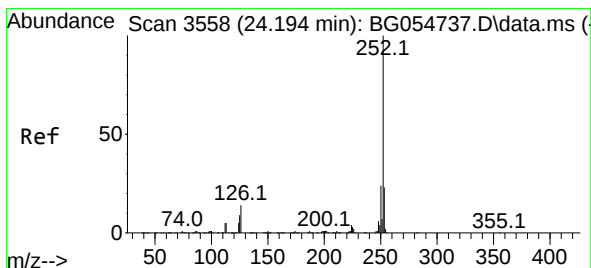
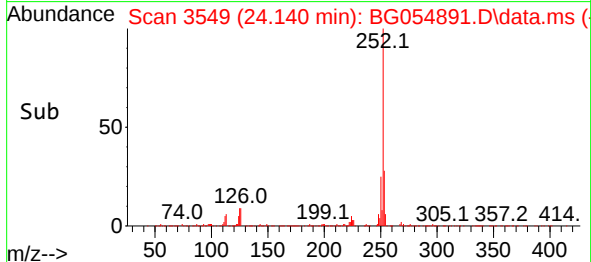
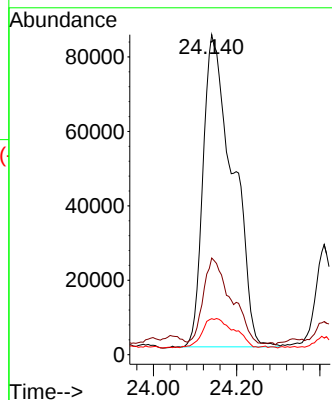
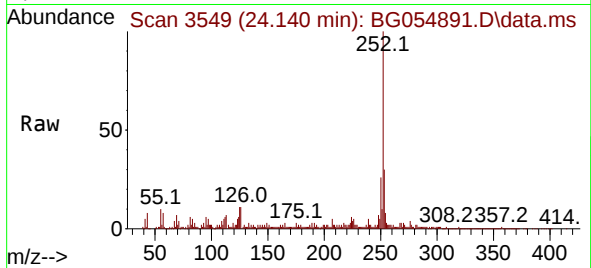




#88
Benzo(b)fluoranthene
Concen: 24.713 ng
RT: 24.140 min Scan# 3549
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

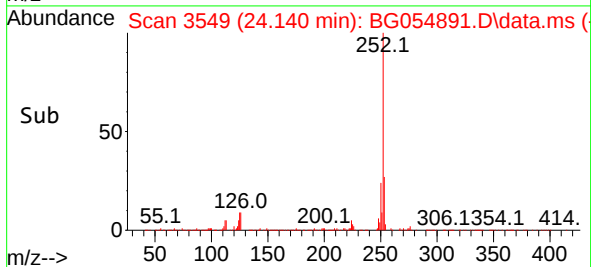
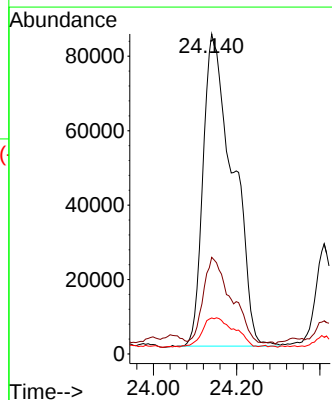
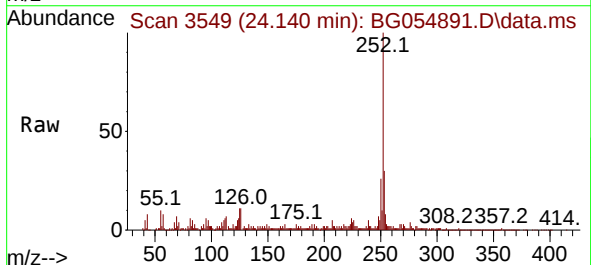
Instrument :
BNA_G
ClientSampleId :
600540642

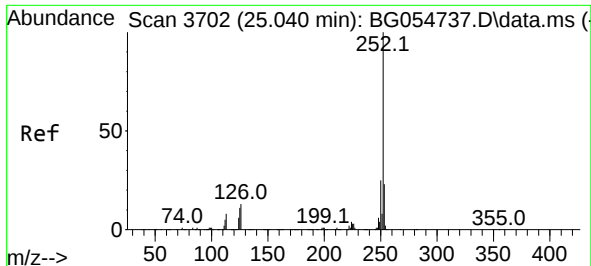
Tgt Ion:252 Resp: 416640
Ion Ratio Lower Upper
252 100
253 30.2 18.0 27.0#
125 11.3 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 24.556 ng
RT: 24.140 min Scan# 3549
Delta R.T. -0.070 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Tgt Ion:252 Resp: 416640
Ion Ratio Lower Upper
252 100
253 30.2 17.8 26.8#
125 11.3 8.2 12.4

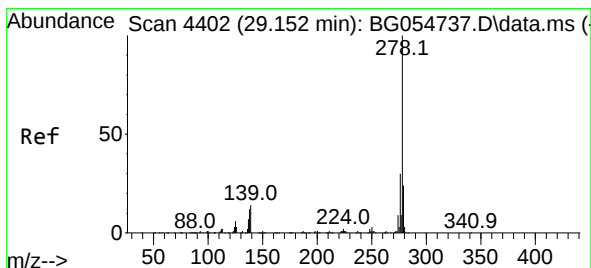
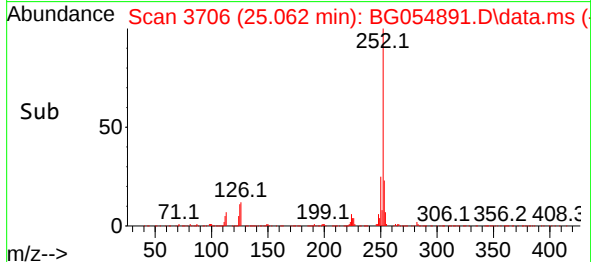
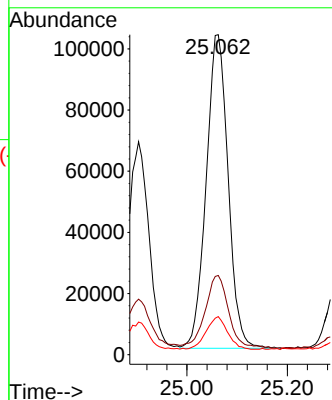
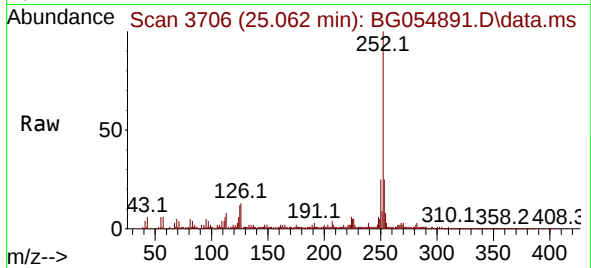




#90
Benzo(a)pyrene
Concen: 21.645 ng
RT: 25.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

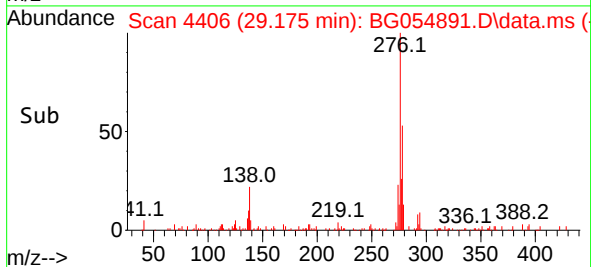
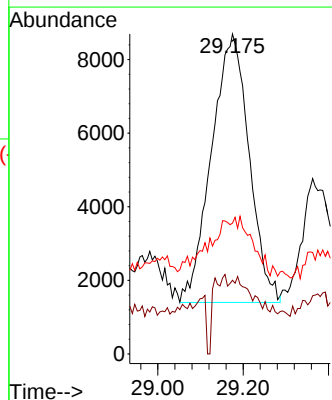
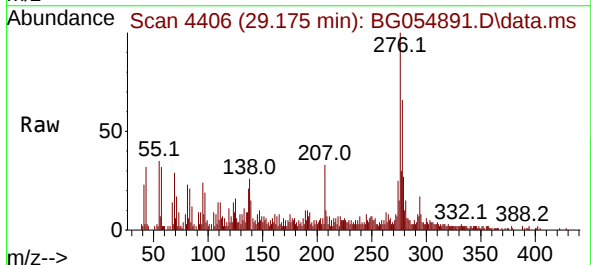
Instrument :
BNA_G
ClientSampleId :
600540642

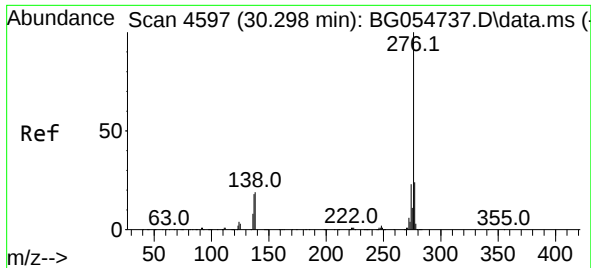
Tgt Ion:252 Resp: 311765
Ion Ratio Lower Upper
252 100
253 24.7 18.3 27.5
125 11.9 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 2.688 ng
RT: 29.175 min Scan# 4406
Delta R.T. -0.029 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

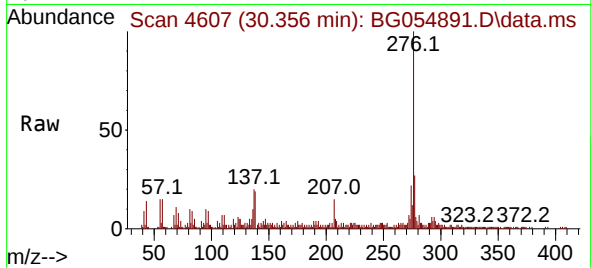
Tgt Ion:278 Resp: 44680
Ion Ratio Lower Upper
278 100
139 23.1 11.4 17.2#
279 40.9 19.3 28.9#





#92
Benzo(g,h,i)perylene
Concen: 10.051 ng
RT: 30.356 min Scan# 4
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:276 Resp: 168771
Ion Ratio Lower Upper
276 100
277 26.5 19.4 29.0
138 19.3 16.6 25.0

