

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064150.D
 Acq On : 2 Apr 2025 13:04
 Operator : RC/JU
 Sample : Q1654-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT3407DL

Quant Time: Apr 02 14:11:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	40051	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	173531	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	119730	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	241810	20.000	ng	0.00
76) Chrysene-d12	21.457	240	248715	20.000	ng	0.00
86) Perylene-d12	24.466	264	279366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.447	112	59127	23.052	ng	0.00
7) Phenol-d6	7.021	99	81938	23.482	ng	0.00
23) Nitrobenzene-d5	9.007	82	52911	16.850	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	33223	24.963	ng	0.00
45) 2-Fluorobiphenyl	13.102	172	130605	16.557	ng	-0.01
79) Terphenyl-d14	19.842	244	216659	17.614	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	7655	3.126	ng	# 65
26) 2-Nitrophenol	9.894	139	55	3.337	ng	# 1
31) Naphthalene	10.699	128	1316421	140.684	ng	99
32) Benzoic acid	9.842	122	75	8.725	ng	# 1
33) 4-Chloroaniline	10.699	127	179598	52.514	ng	# 32
37) 2-Methylnaphthalene	12.309	142	1063010	160.919	ng	97
38) 1-Methylnaphthalene	12.527	142	552474	85.366	ng	99
46) 1,1'-Biphenyl	13.320	154	367050	40.577	ng	98
48) 2-Nitroaniline	13.514	65	3693	5.013	ng	# 34
49) Acenaphthylene	14.201	152	65424	6.270	ng	# 91
51) 2,6-Dinitrotoluene	13.884	165	3225	5.030	ng	# 59
52) Acenaphthene	14.554	154	1512405	215.962	ng	98
54) 2,4-Dinitrophenol	14.994	184	348	8.301	ng	# 46
55) Dibenzofuran	14.889	168	1709377	150.673	ng	97
56) 4-Nitrophenol	14.889	139	709580	495.311	ng	# 1
57) 2,4-Dinitrotoluene	14.836	165	5721	5.782	ng	# 44
58) Fluorene	15.541	166	1910761	216.245	ng	98
62) 4-Nitroaniline	15.541	138	26488	14.363	ng	# 10
63) Azobenzene	15.829	77	21584	2.108	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.623	198	58	8.225	ng	# 1
71) Phenanthrene	17.362	178	1061880	82.331	ng	98
72) Anthracene	17.362	178	1061880	82.798	ng	98
73) Carbazole	17.621	167	333611	27.861	ng	100
75) Fluoranthene	19.289	202	4263091	274.171	ng	95
78) Pyrene	19.648	202	3027365	188.825	ng	95
80) Butylbenzylphthalate	20.229	149	2055	3.953	ng	87
81) Benzo(a)anthracene	21.440	228	966292	60.651	ng	100
83) Chrysene	21.498	228	868426	54.652	ng	97
87) Indeno(1,2,3-cd)pyrene	27.838	276	102692	5.494	ng	95
88) Benzo(b)fluoranthene	23.520	252	520370	30.812	ng	99
89) Benzo(k)fluoranthene	23.520	252	520370	30.713	ng	98
90) Benzo(a)pyrene	24.325	252	283294	18.835	ng	97
91) Dibenzo(a,h)anthracene	27.897	278	32615	2.105	ng	97
92) Benzo(g,h,i)perylene	28.902	276	87278	5.486	ng	94

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QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

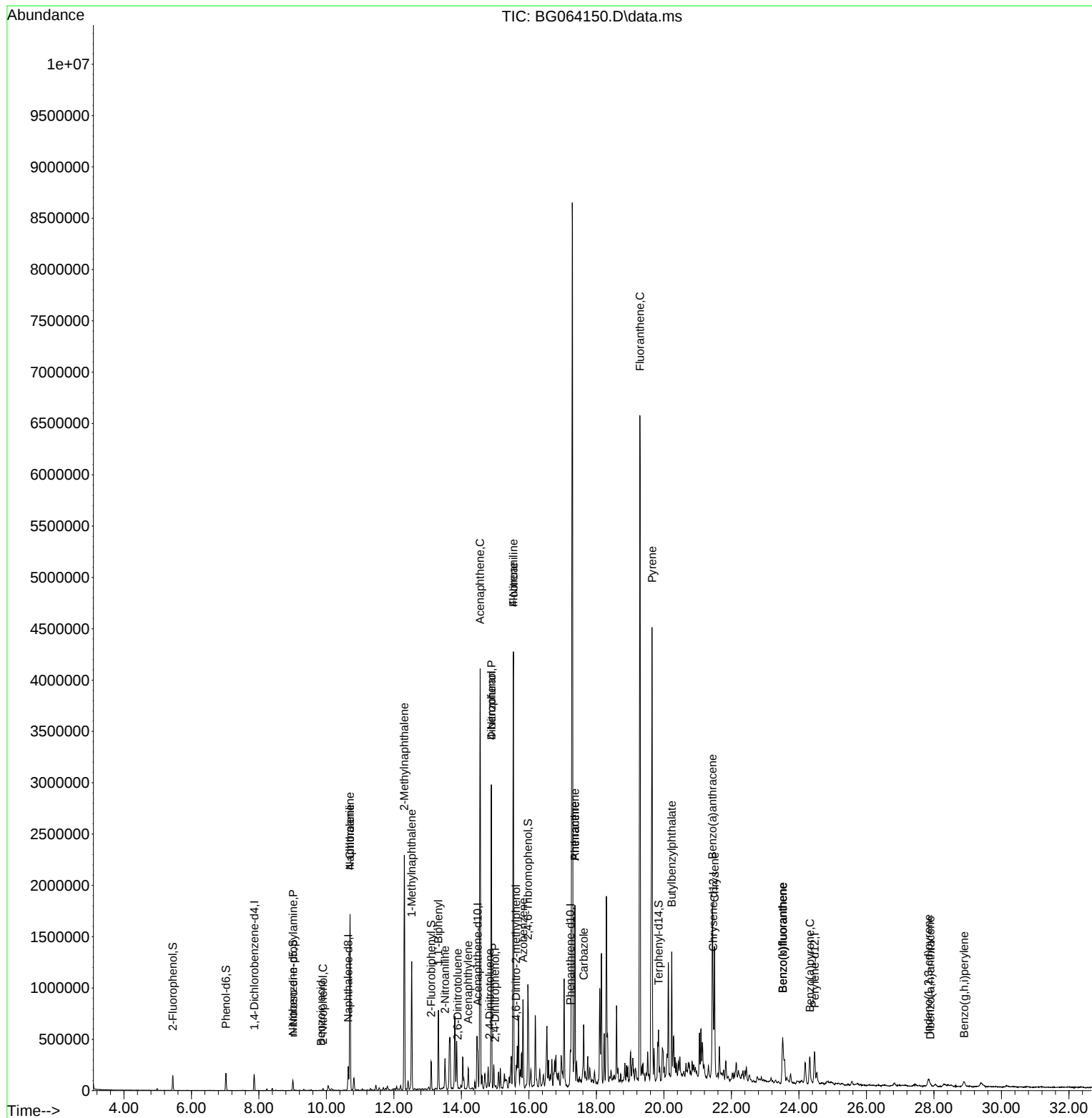
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

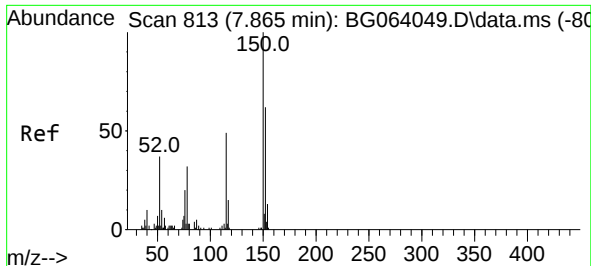
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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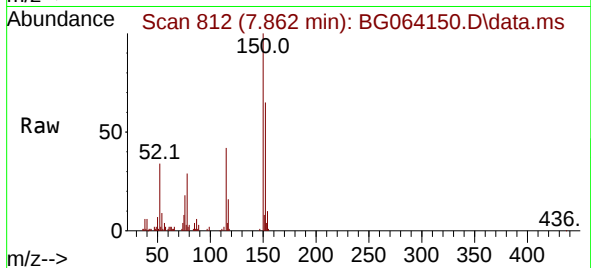
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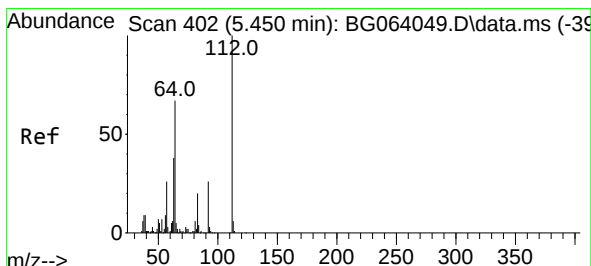
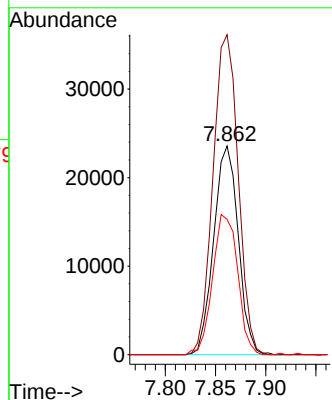
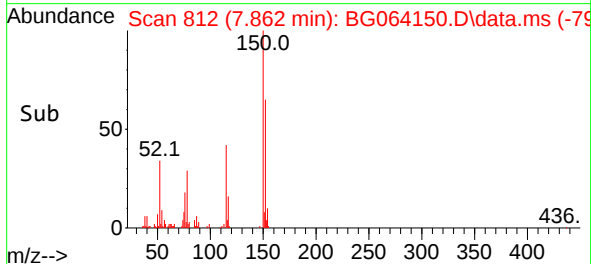


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Instrument :
BNA_G
ClientSampleId :
RT3407DL

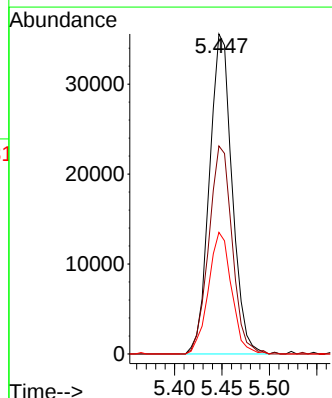
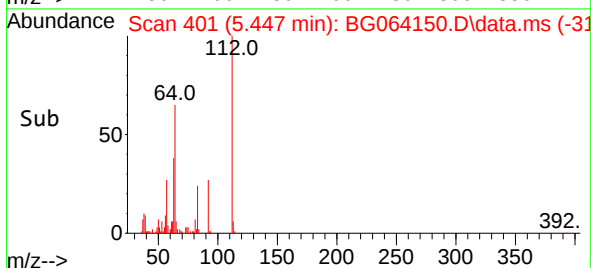
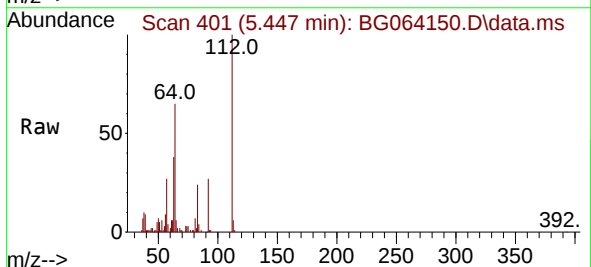


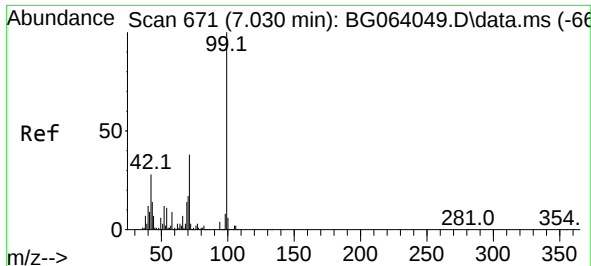
Tgt Ion:152 Resp: 40051
Ion Ratio Lower Upper
152 100
150 153.3 129.2 193.8
115 64.9 63.0 94.6



#5
2-Fluorophenol
Concen: 23.052 ng
RT: 5.447 min Scan# 401
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:112 Resp: 59127
Ion Ratio Lower Upper
112 100
64 65.0 53.7 80.5
63 38.0 30.2 45.4

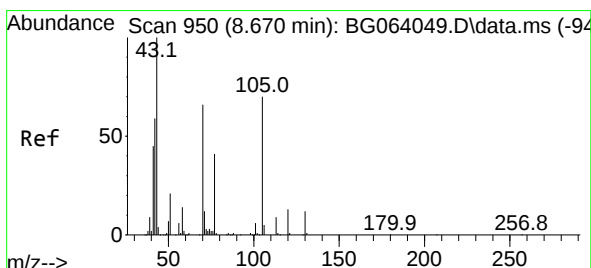
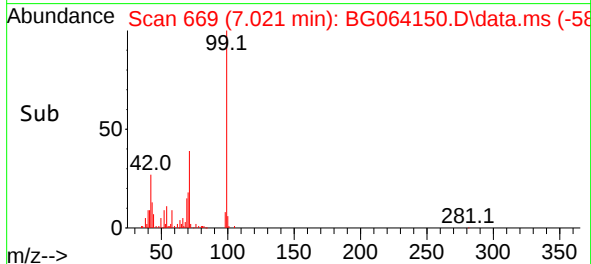
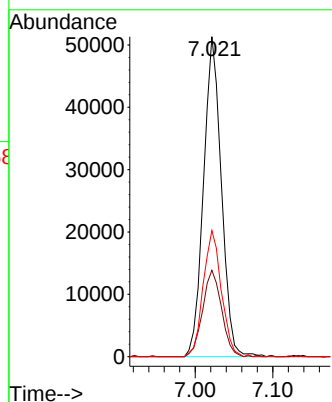
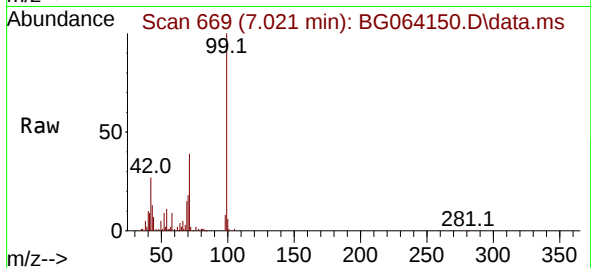




#7
Phenol-d6
Concen: 23.482 ng
RT: 7.021 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

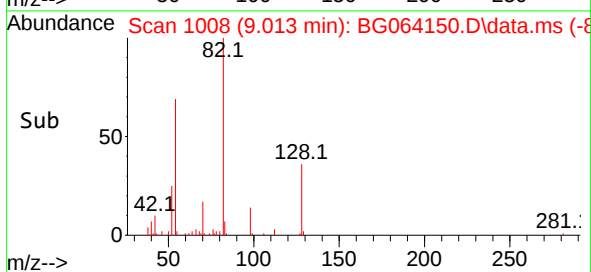
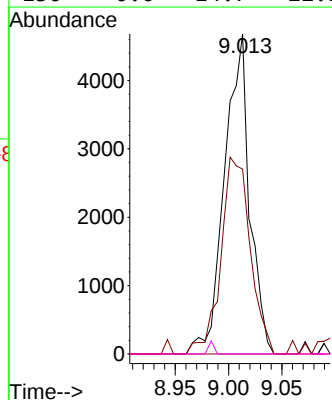
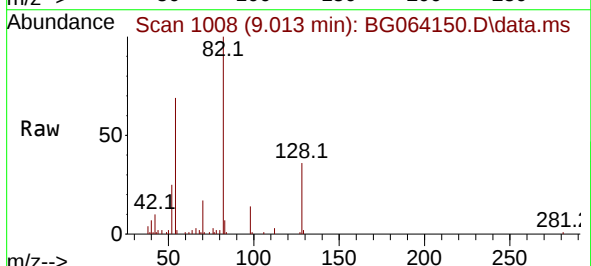
Instrument :
BNA_G
ClientSampleId :
RT3407DL

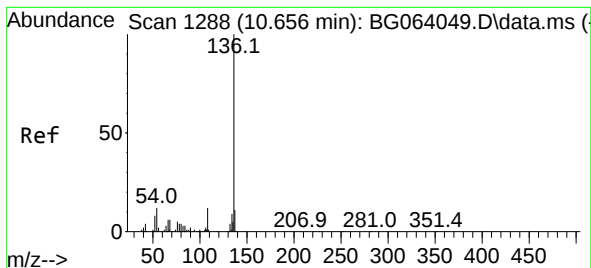
Tgt Ion: 99 Resp: 81938
Ion Ratio Lower Upper
99 100
42 27.0 22.7 34.1
71 39.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.126 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.343 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion: 70 Resp: 7655
Ion Ratio Lower Upper
70 100
42 57.7 72.1 108.1#
101 0.0 7.2 10.8#
130 0.0 14.7 22.1#

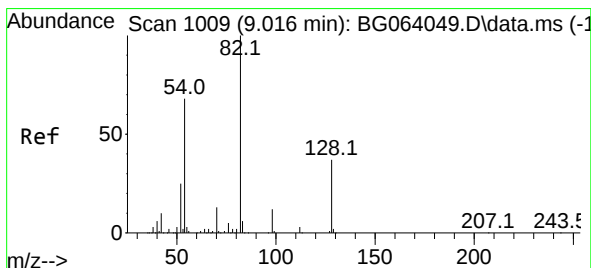
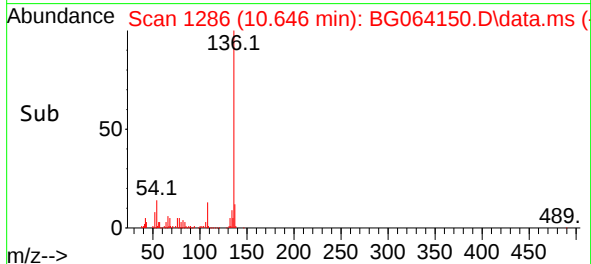
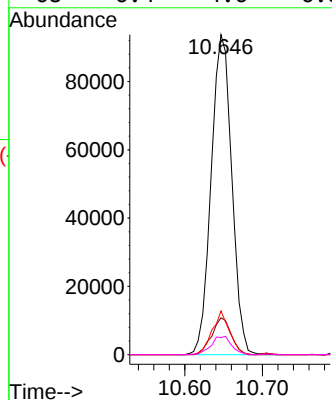
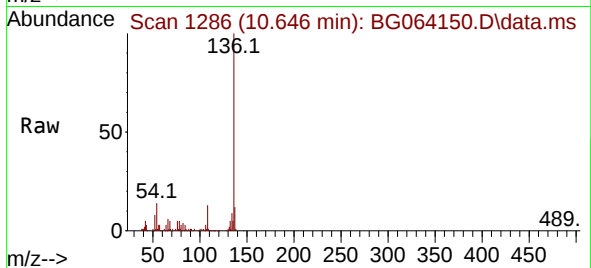




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

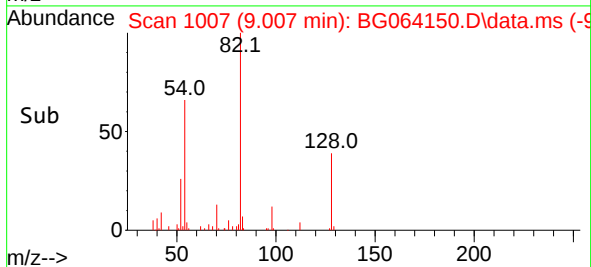
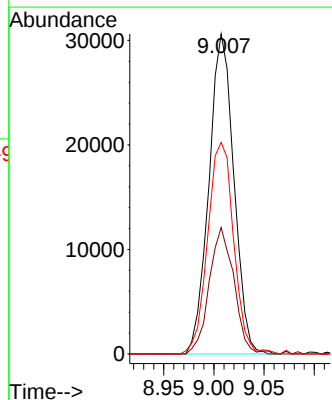
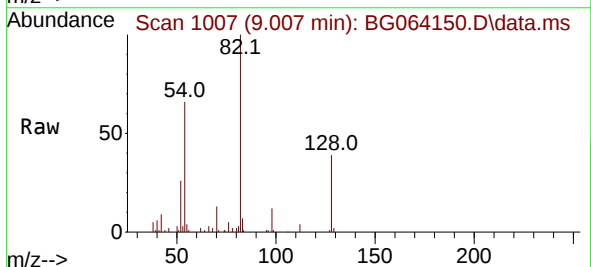
Instrument :
BNA_G
ClientSampleId :
RT3407DL

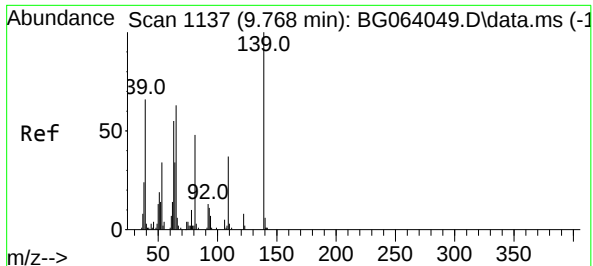
Tgt Ion:	136	Resp:	173531
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	13.6	9.9	14.9
68	6.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 16.850 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:	82	Resp:	52911
Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.0	45.0
54	66.1	54.7	82.1

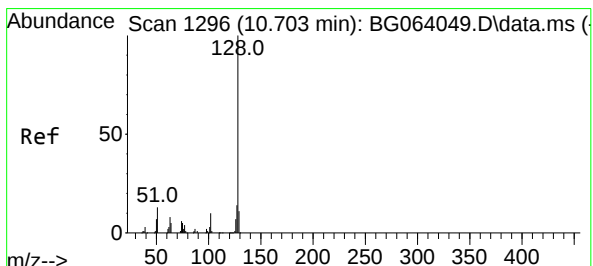
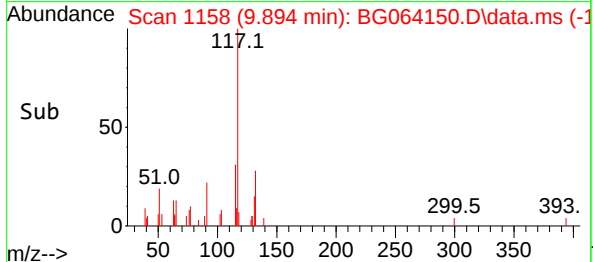
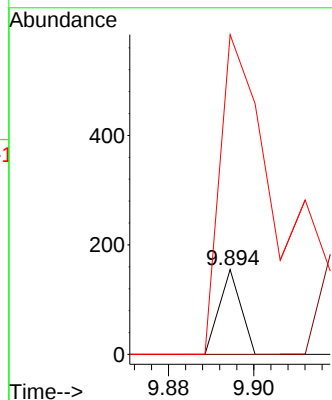
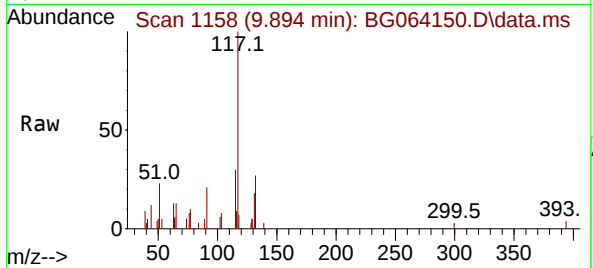




#26
2-Nitrophenol
Concen: 3.337 ng
RT: 9.894 min Scan# 1137
Delta R.T. 0.126 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

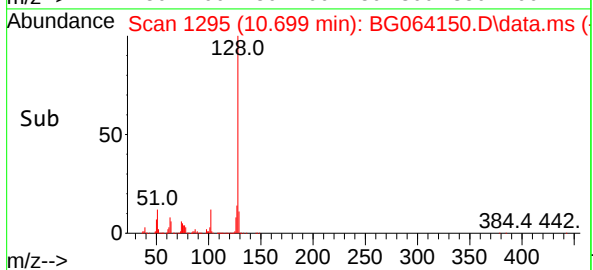
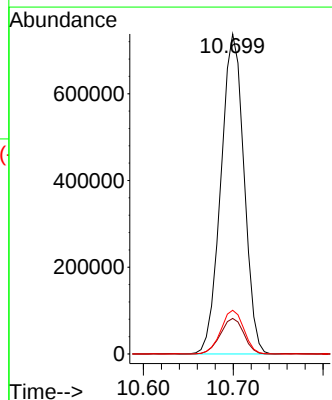
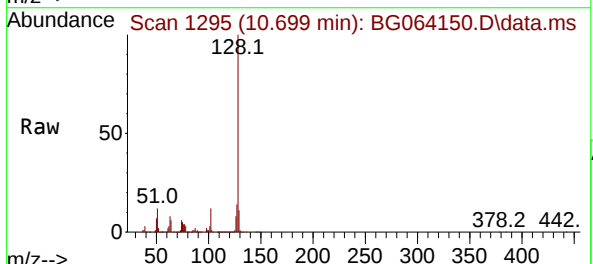
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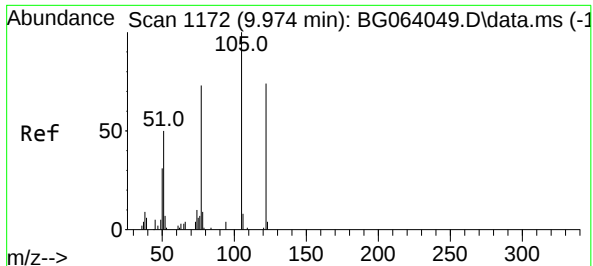
Tgt Ion:139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 376.8 50.6 76.0#



#31
Naphthalene
Concen: 140.684 ng
RT: 10.699 min Scan# 1295
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:128 Resp: 1316421
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 13.7 11.1 16.7

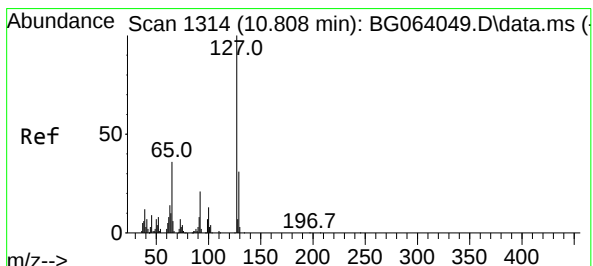
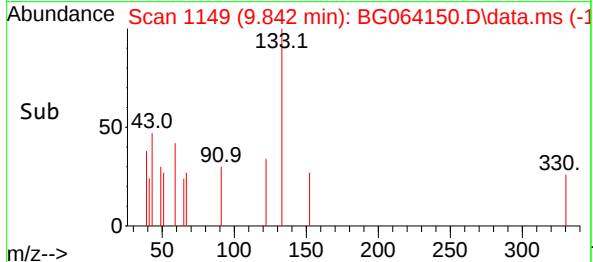
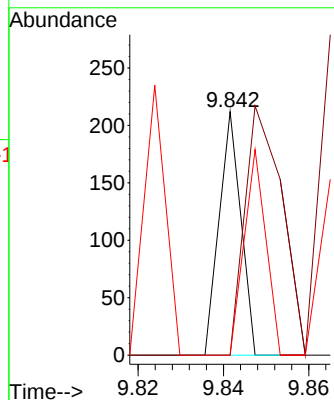
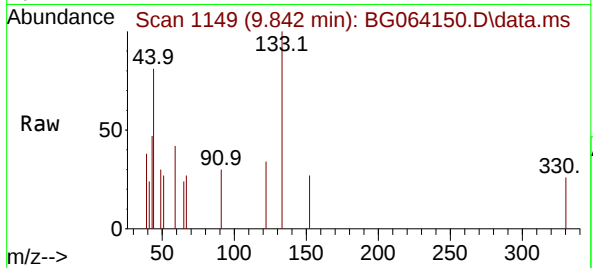




#32
Benzoic acid
Concen: 8.725 ng
RT: 9.842 min Scan# 1172
Delta R.T. -0.132 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

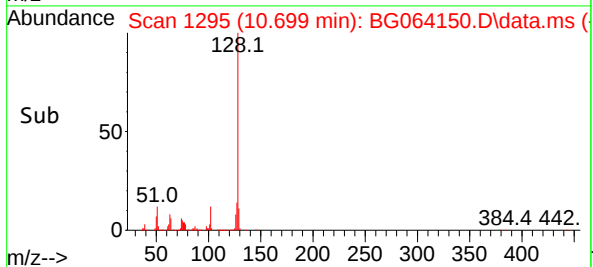
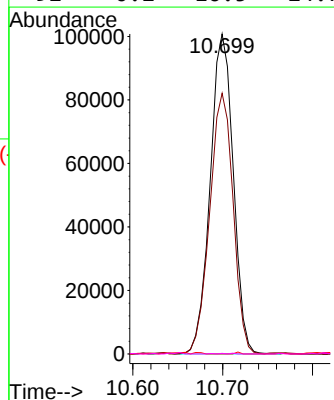
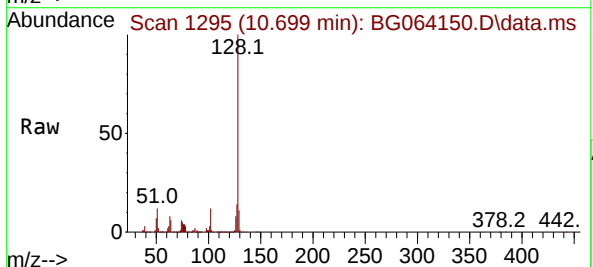
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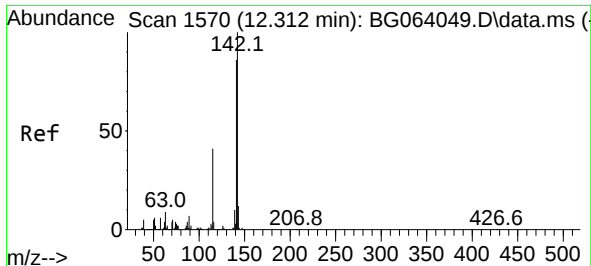
Tgt Ion:122 Resp: 75
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#



#33
4-Chloroaniline
Concen: 52.514 ng
RT: 10.699 min Scan# 1295
Delta R.T. -0.109 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:127 Resp: 179598
Ion Ratio Lower Upper
127 100
129 81.5 25.0 37.4#
65 0.0 28.5 42.7#
92 0.2 16.5 24.7#

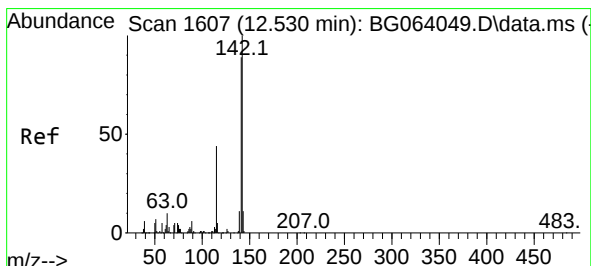
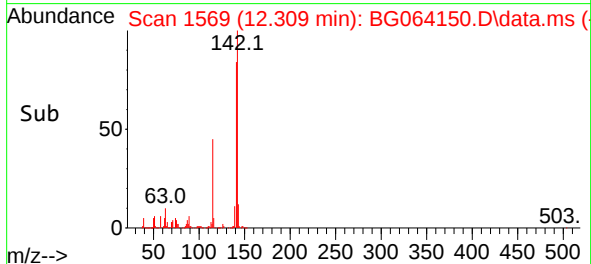
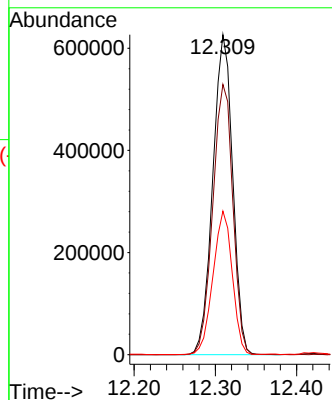
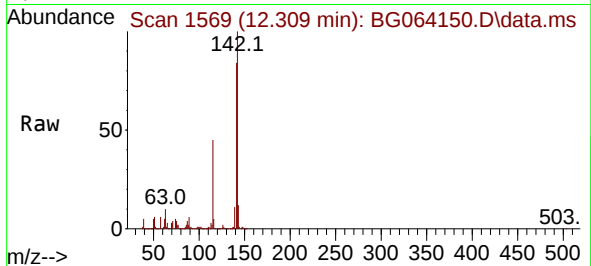




#37
2-Methylnaphthalene
Concen: 160.919 ng
RT: 12.309 min Scan# 1569
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

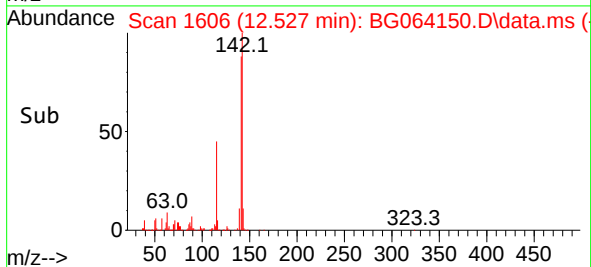
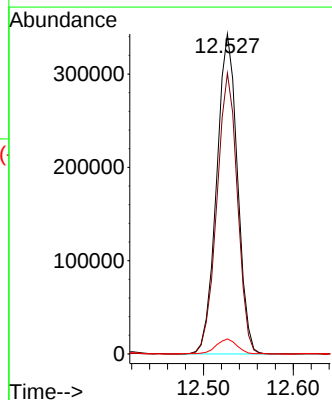
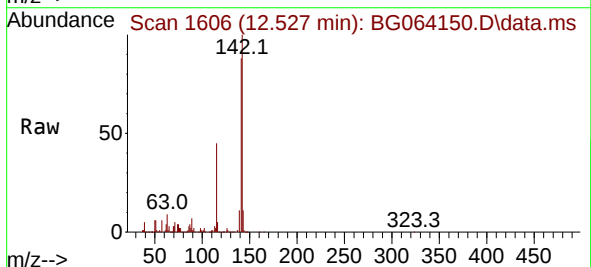
Instrument :
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ClientSampleId :
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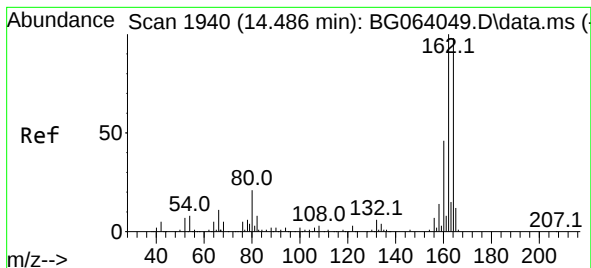
Tgt Ion:142 Resp: 1063010
Ion Ratio Lower Upper
142 100
141 84.4 68.6 103.0
115 44.8 32.8 49.2



#38
1-Methylnaphthalene
Concen: 85.366 ng
RT: 12.527 min Scan# 1606
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:142 Resp: 552474
Ion Ratio Lower Upper
142 100
141 87.8 71.2 106.8
116 4.7 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

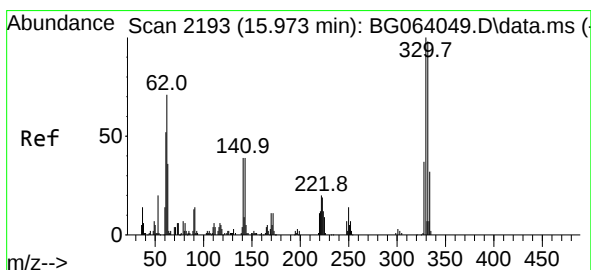
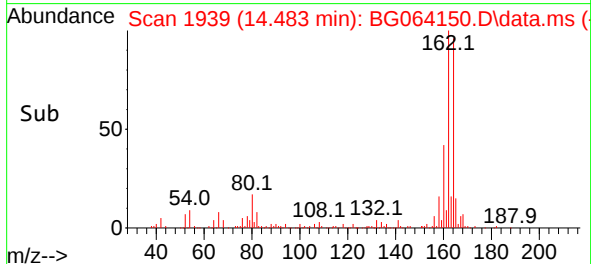
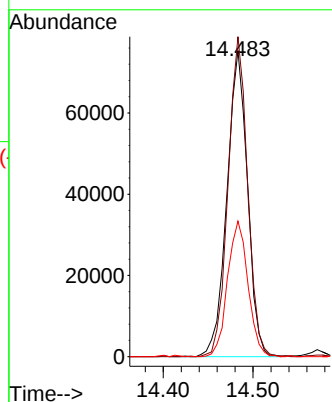
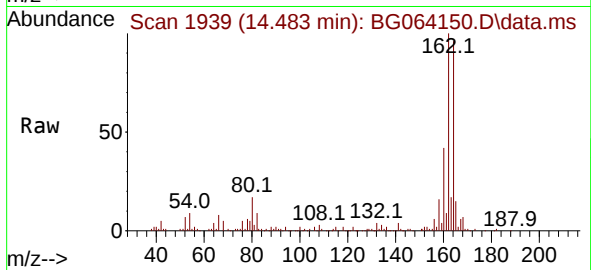
Tgt Ion:164 Resp: 119730

Ion Ratio Lower Upper

164 100

162 104.5 81.4 122.0

160 44.2 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 24.963 ng

RT: 15.970 min Scan# 2192

Delta R.T. -0.003 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

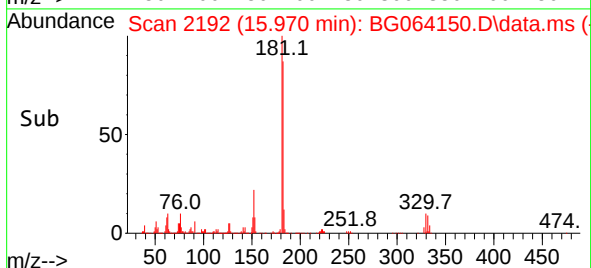
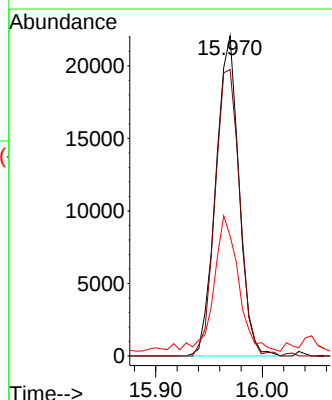
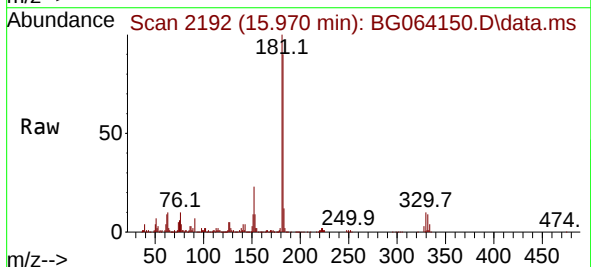
Tgt Ion:330 Resp: 33223

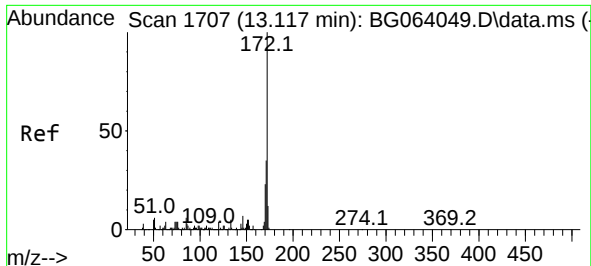
Ion Ratio Lower Upper

330 100

332 95.2 76.7 115.1

141 44.3 29.7 44.5

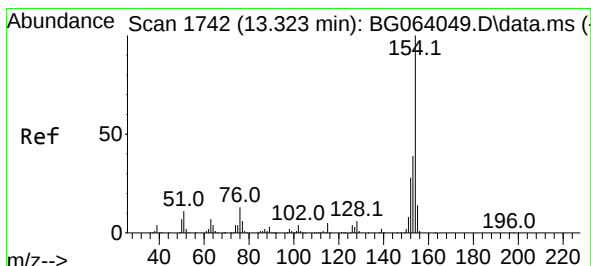
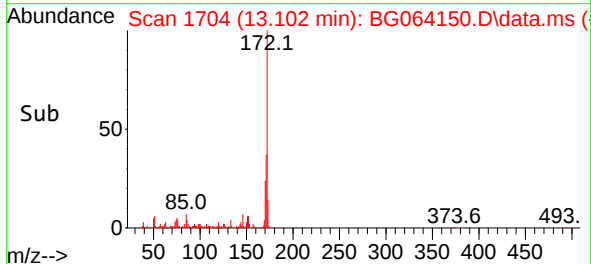
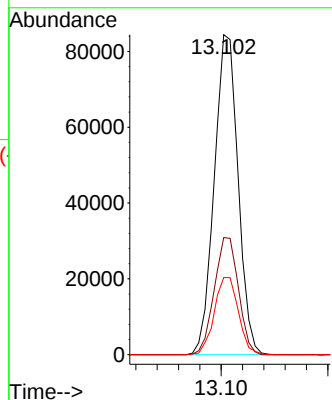
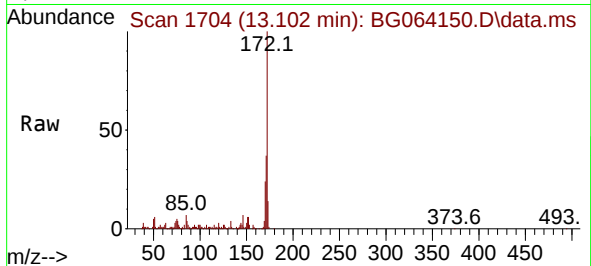




#45
2-Fluorobiphenyl
Concen: 16.557 ng
RT: 13.102 min Scan# 1704
Delta R.T. -0.015 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

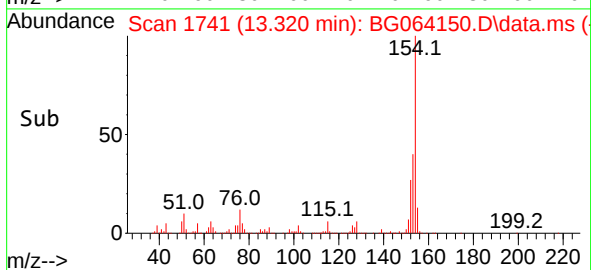
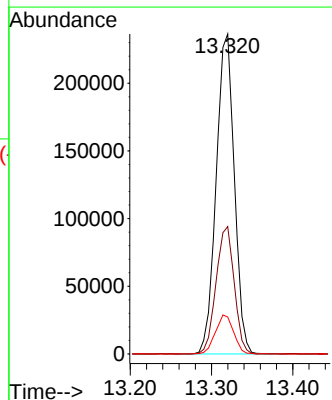
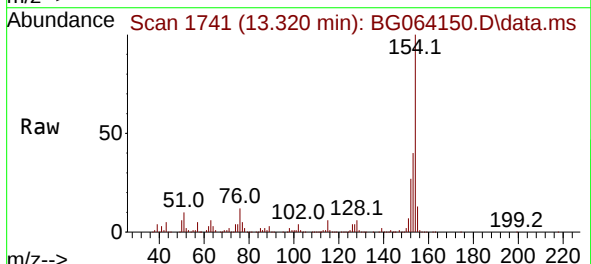
Instrument :
BNA_G
ClientSampleId :
RT3407DL

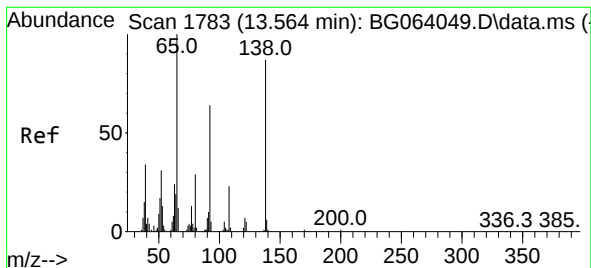
Tgt Ion:172 Resp: 130605
Ion Ratio Lower Upper
172 100
171 36.6 28.0 42.0
170 24.1 18.7 28.1



#46
1,1'-Biphenyl
Concen: 40.577 ng
RT: 13.320 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:154 Resp: 367050
Ion Ratio Lower Upper
154 100
153 39.8 19.5 59.5
76 11.5 0.0 33.5

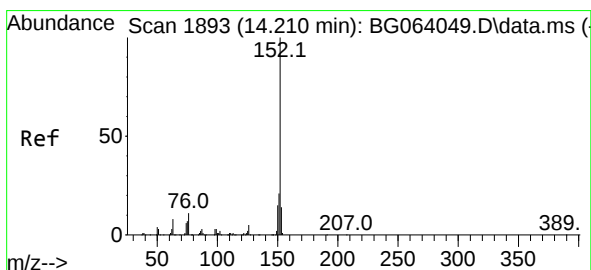
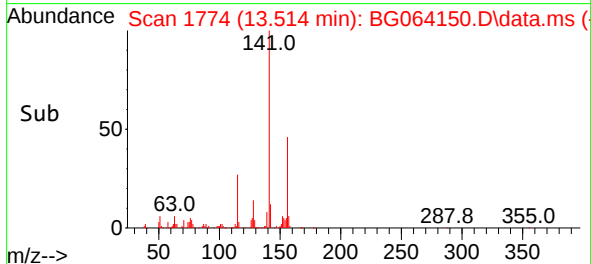
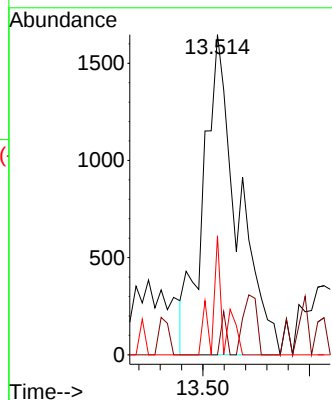
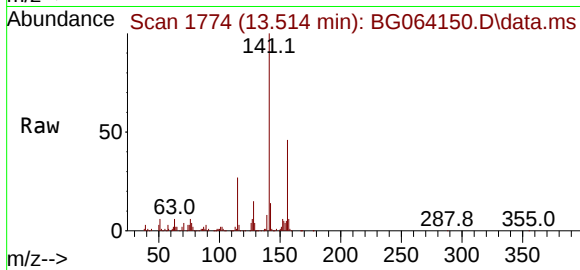




#48
2-Nitroaniline
Concen: 5.013 ng
RT: 13.514 min Scan# 1774
Delta R.T. -0.050 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

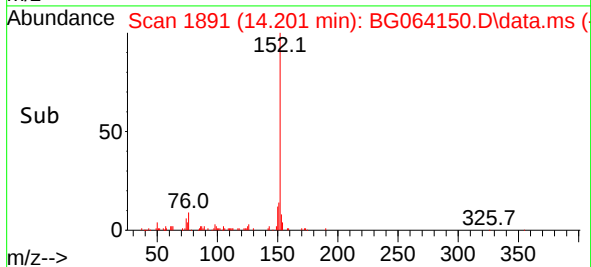
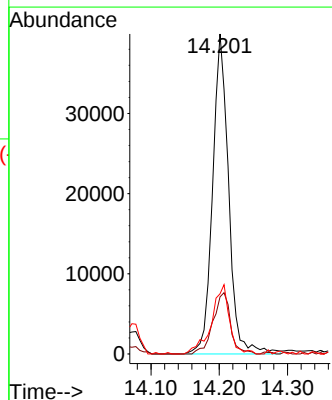
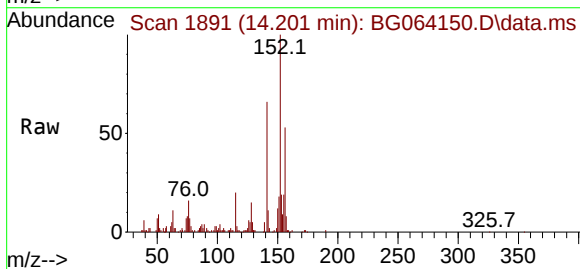
Instrument :
BNA_G
ClientSampleId :
RT3407DL

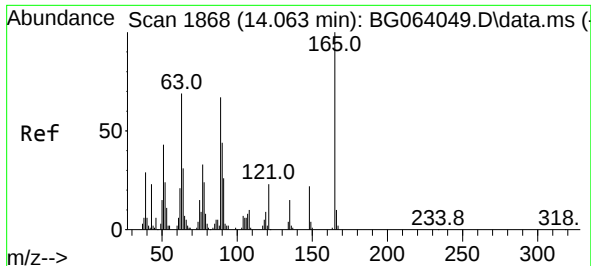
Tgt Ion: 65 Resp: 3693
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 37.2 69.4 104.2#



#49
Acenaphthylene
Concen: 6.270 ng
RT: 14.201 min Scan# 1891
Delta R.T. -0.009 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:152 Resp: 65424
Ion Ratio Lower Upper
152 100
151 17.8 16.4 24.6
153 18.8 10.9 16.3#

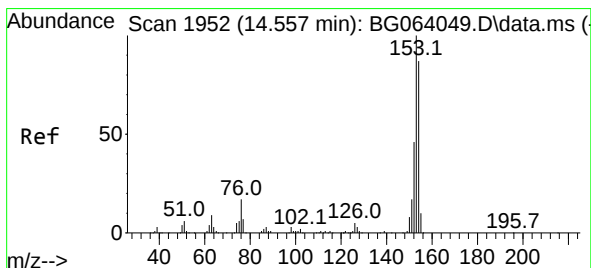
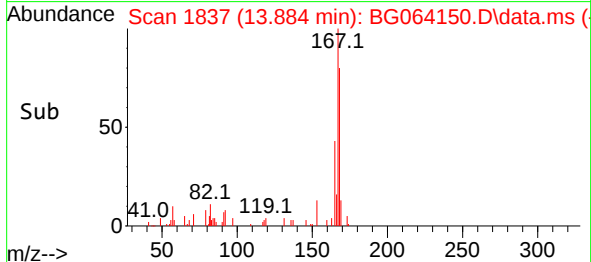
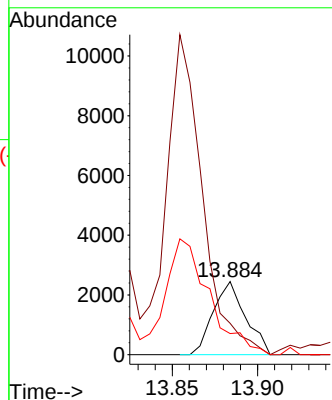
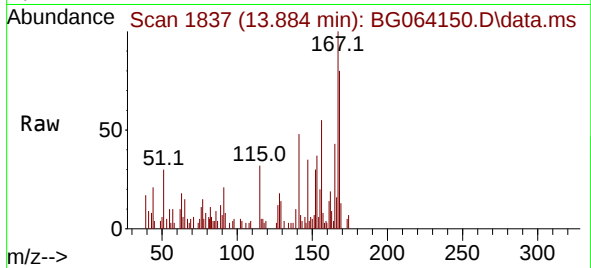




#51
2,6-Dinitrotoluene
Concen: 5.030 ng
RT: 13.884 min Scan# 1837
Delta R.T. -0.179 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

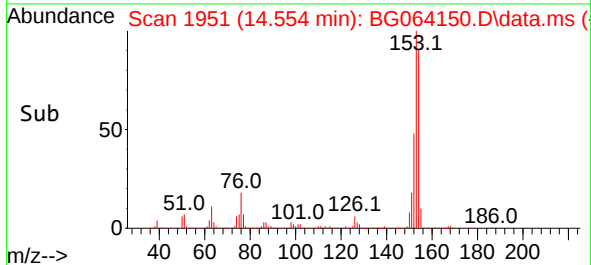
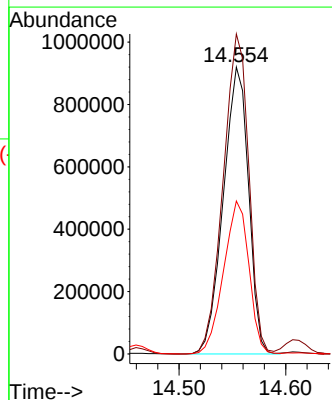
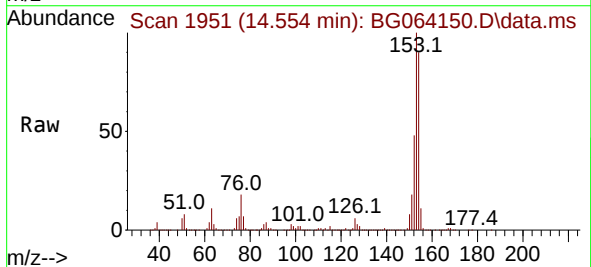
Instrument :
BNA_G
ClientSampleId :
RT3407DL

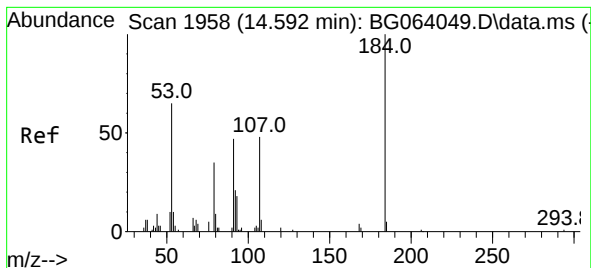
Tgt Ion:165 Resp: 3225
Ion Ratio Lower Upper
165 100
63 42.8 56.7 85.1#
89 28.9 53.7 80.5#



#52
Acenaphthene
Concen: 215.962 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:154 Resp: 1512405
Ion Ratio Lower Upper
154 100
153 111.5 91.6 137.4
152 53.3 42.5 63.7

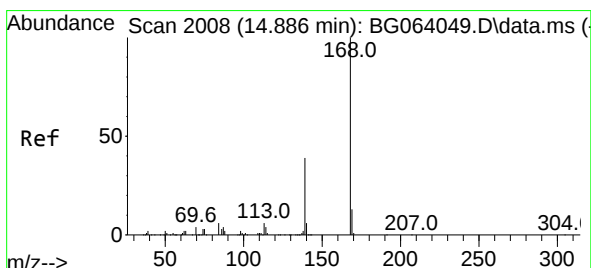
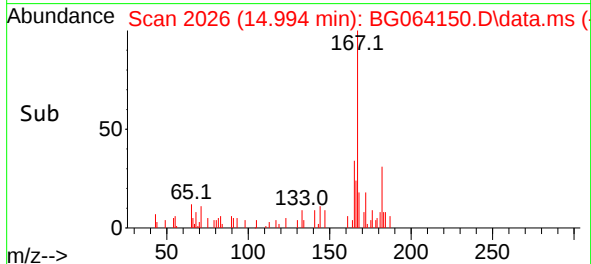
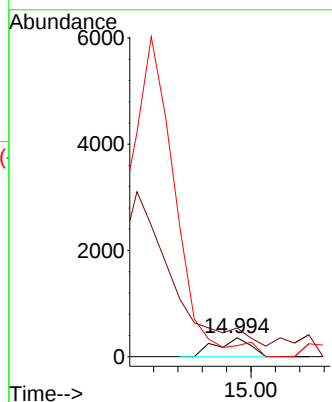
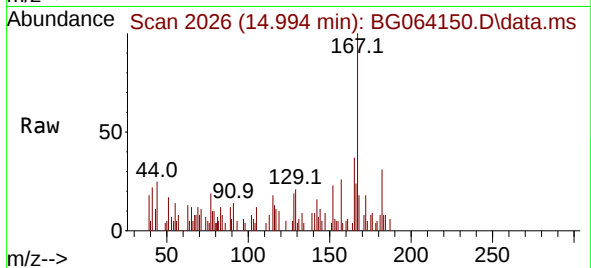




#54
2,4-Dinitrophenol
Concen: 8.301 ng
RT: 14.994 min Scan# 20
Delta R.T. 0.402 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

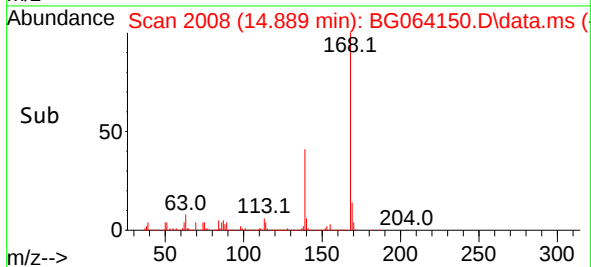
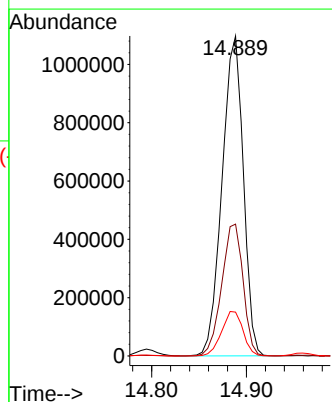
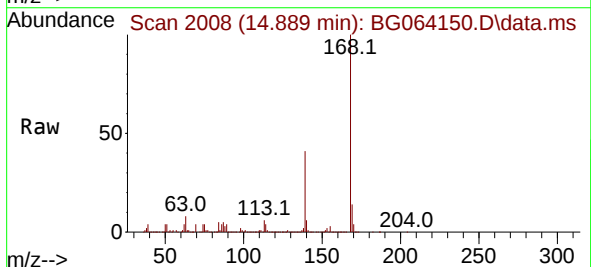
Instrument :
BNA_G
ClientSampleId :
RT3407DL

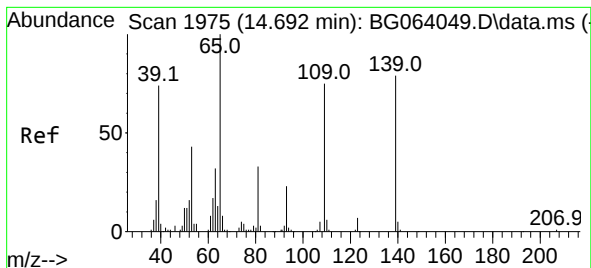
Tgt Ion:184 Resp: 348
Ion Ratio Lower Upper
184 100
63 151.8 57.5 86.3#
154 58.6 52.3 78.5



#55
Dibenzofuran
Concen: 150.673 ng
RT: 14.889 min Scan# 2008
Delta R.T. 0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:168 Resp: 1709377
Ion Ratio Lower Upper
168 100
139 41.2 31.1 46.7
169 13.7 10.5 15.7

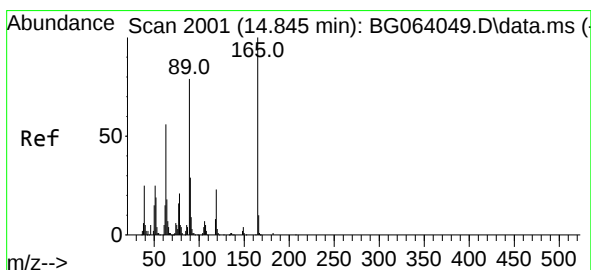
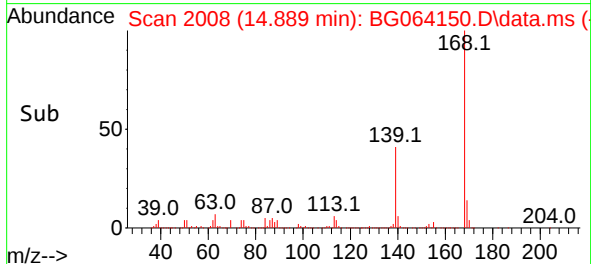
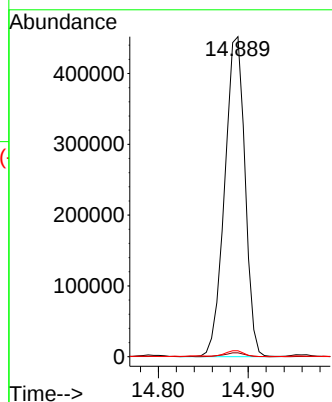
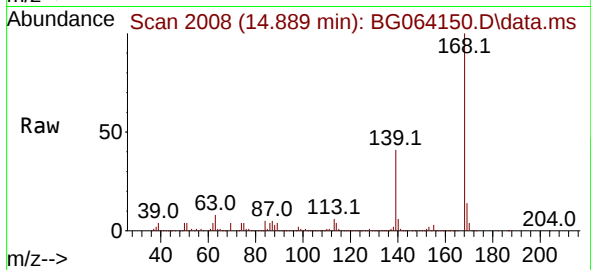




#56
4-Nitrophenol
Concen: 495.311 ng
RT: 14.889 min Scan# 20
Delta R.T. 0.197 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

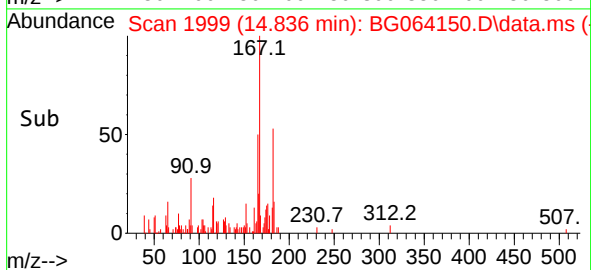
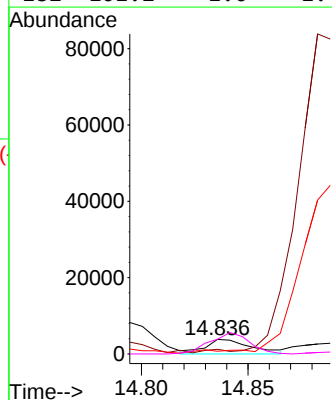
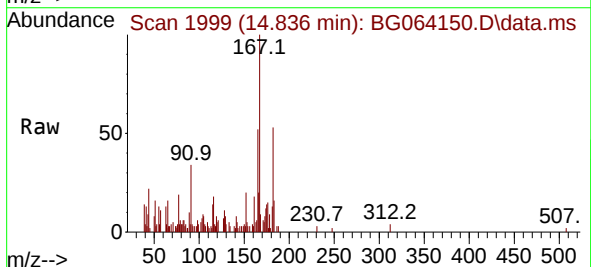
Instrument :
BNA_G
ClientSampleId :
RT3407DL

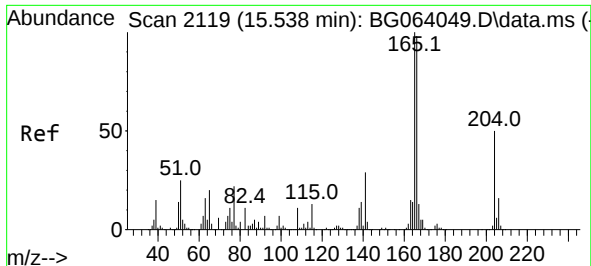
Tgt Ion:139 Resp: 709580
Ion Ratio Lower Upper
139 100
109 1.2 74.9 114.9#
65 1.9 106.8 146.8#



#57
2,4-Dinitrotoluene
Concen: 5.782 ng
RT: 14.836 min Scan# 1999
Delta R.T. -0.009 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:165 Resp: 5721
Ion Ratio Lower Upper
165 100
63 32.2 45.0 67.6#
89 18.5 63.1 94.7#
182 101.2 1.0 1.4#

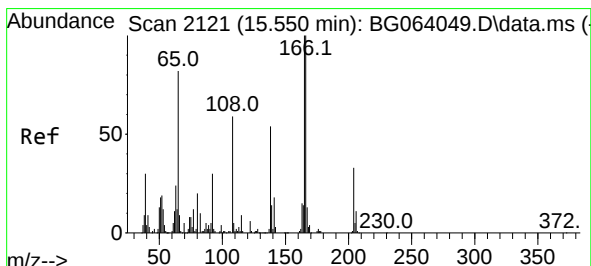
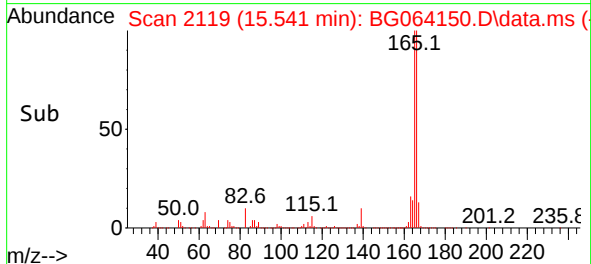
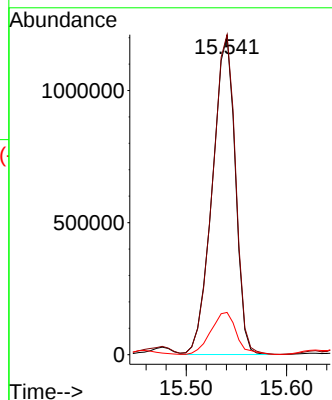
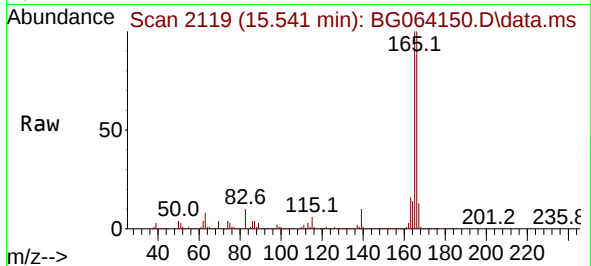




#58
 Fluorene
 Concen: 216.245 ng
 RT: 15.541 min Scan# 2119
 Delta R.T. 0.003 min
 Lab File: BG064150.D
 Acq: 2 Apr 2025 13:04

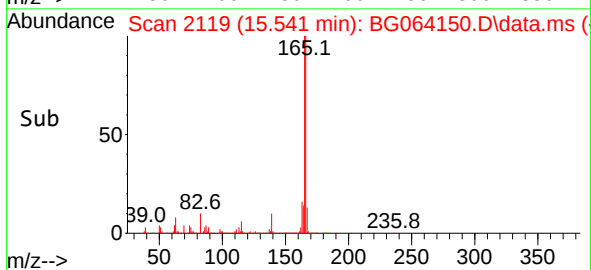
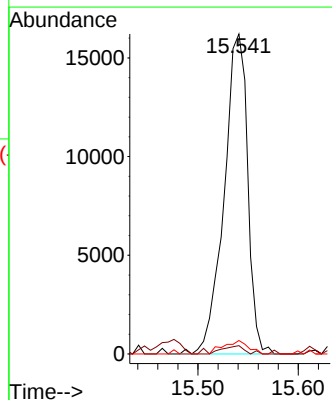
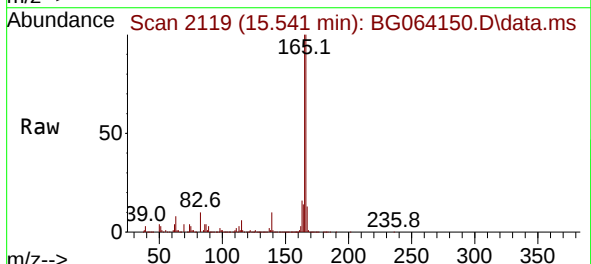
Instrument :
 BNA_G
 ClientSampleId :
 RT3407DL

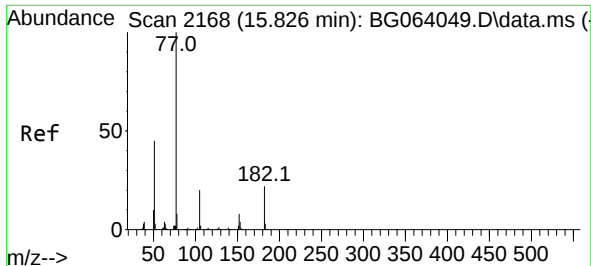
Tgt Ion:166 Resp: 1910761
 Ion Ratio Lower Upper
 166 100
 165 100.4 81.8 122.8
 167 13.3 10.8 16.2



#62
 4-Nitroaniline
 Concen: 14.363 ng
 RT: 15.541 min Scan# 2119
 Delta R.T. -0.009 min
 Lab File: BG064150.D
 Acq: 2 Apr 2025 13:04

Tgt Ion:138 Resp: 26488
 Ion Ratio Lower Upper
 138 100
 92 2.6 36.1 76.1#
 108 4.2 87.9 127.9#

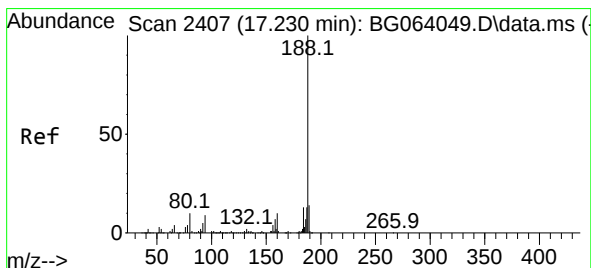
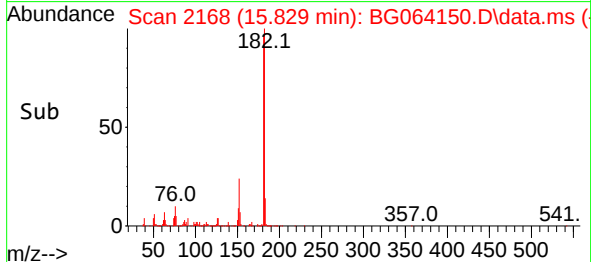
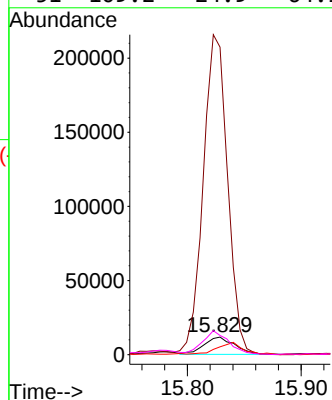
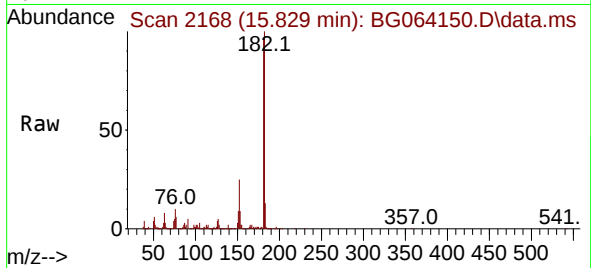




#63
Azobenzene
Concen: 2.108 ng
RT: 15.829 min Scan# 2168
Delta R.T. 0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

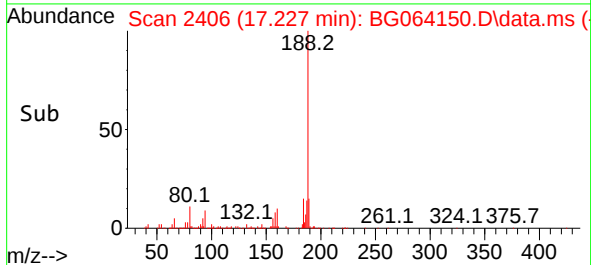
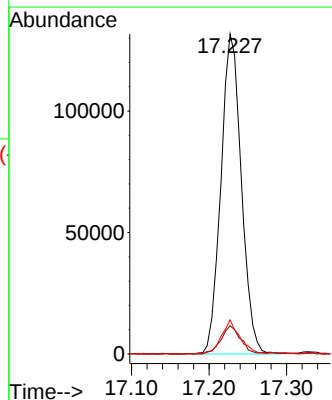
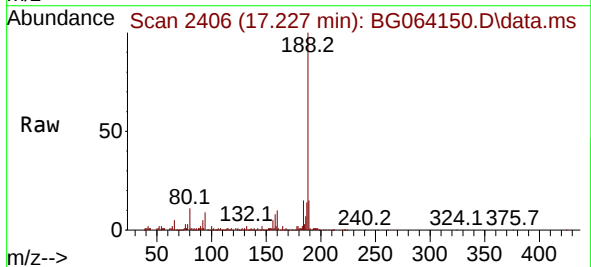
Instrument :
BNA_G
ClientSampleId :
RT3407DL

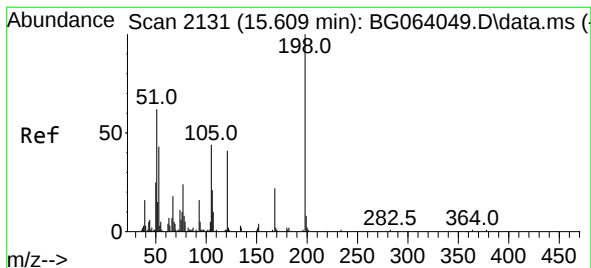
Tgt Ion: 77 Resp: 21584
Ion Ratio Lower Upper
77 100
182 1752.6 2.4 42.4#
105 44.4 0.0 40.0#
51 109.2 24.9 64.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:188 Resp: 241810
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.7 8.1 12.1

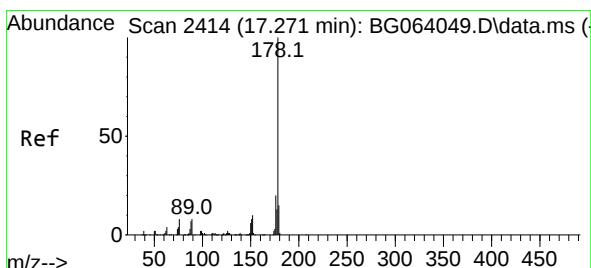
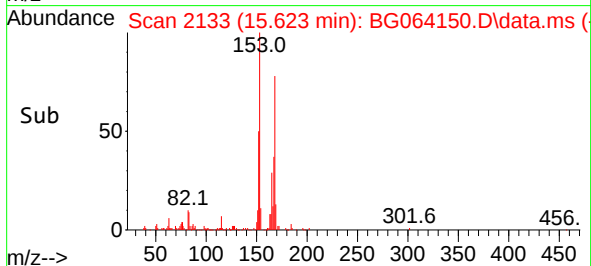
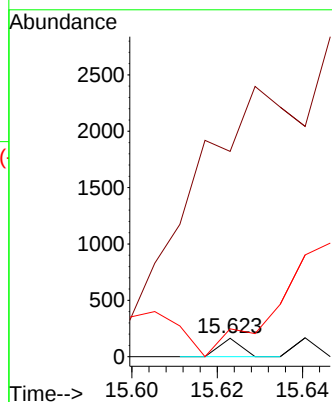
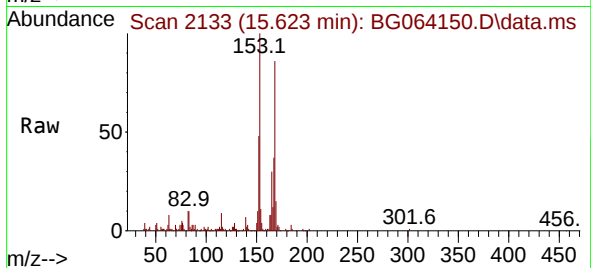




#65
4,6-Dinitro-2-methylphenol
Concen: 8.225 ng
RT: 15.623 min Scan# 21
Delta R.T. 0.014 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

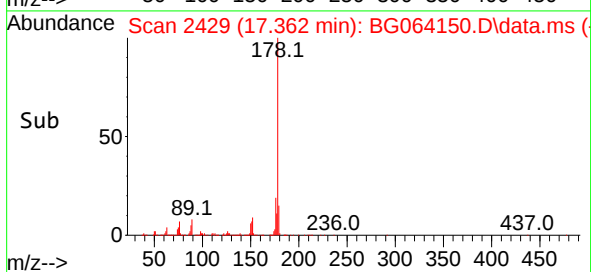
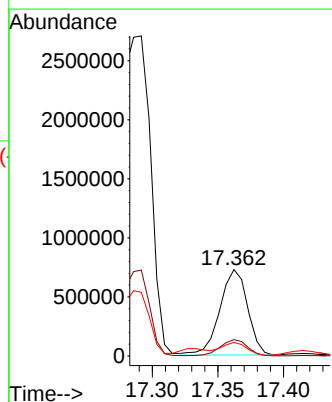
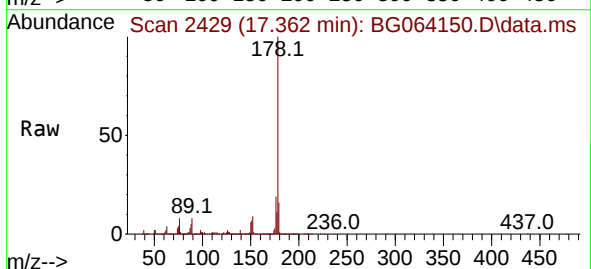
Instrument :
BNA_G
ClientSampleId :
RT3407DL

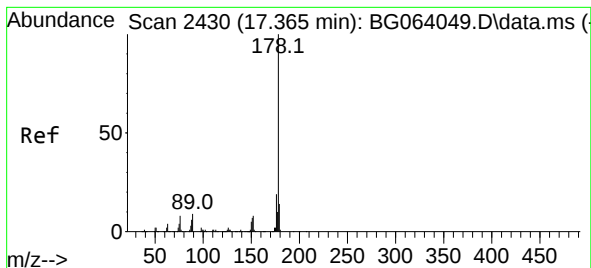
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 1111.0 45.6 85.6#
105 150.6 25.3 65.3#



#71
Phenanthrene
Concen: 82.331 ng
RT: 17.362 min Scan# 2429
Delta R.T. 0.091 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:178 Resp: 1061880
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.7 12.2 18.2





#72

Anthracene

Concen: 82.798 ng

RT: 17.362 min Scan# 2430

Delta R.T. -0.003 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

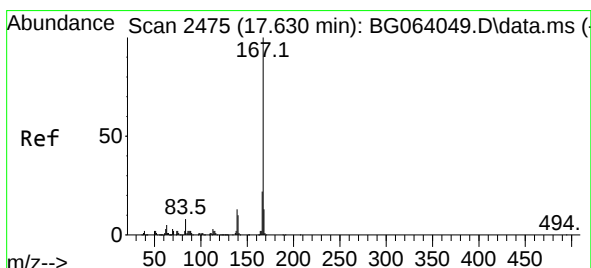
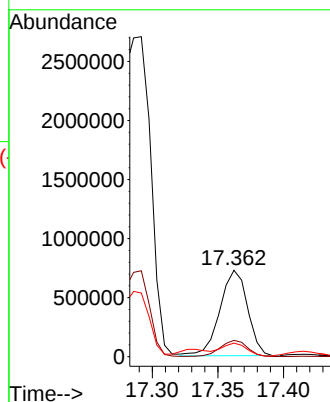
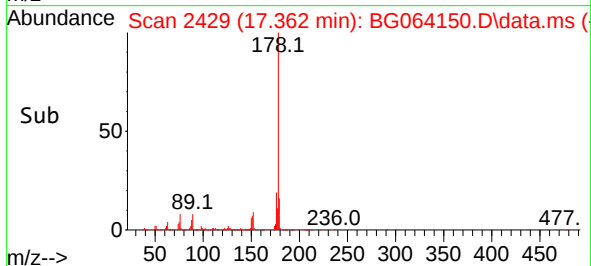
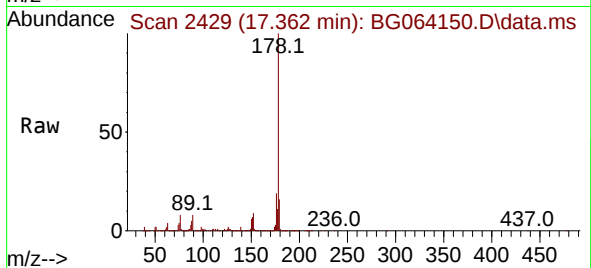
Tgt Ion:178 Resp: 1061880

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.7 11.5 17.3



#73

Carbazole

Concen: 27.861 ng

RT: 17.621 min Scan# 2473

Delta R.T. -0.009 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

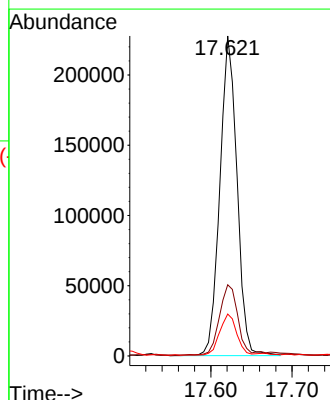
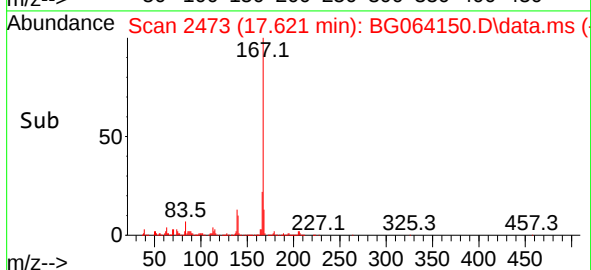
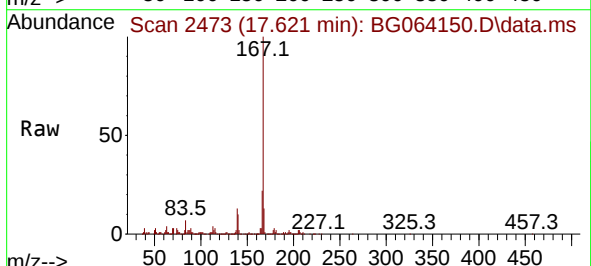
Tgt Ion:167 Resp: 333611

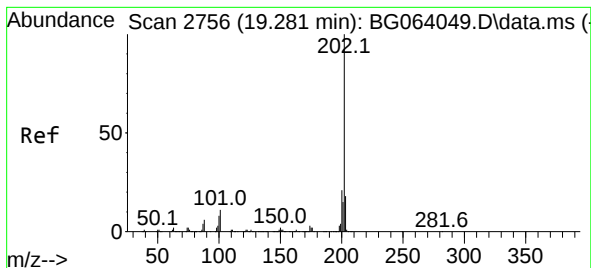
Ion Ratio Lower Upper

167 100

166 22.3 18.0 27.0

139 13.1 10.6 15.8





#75

Fluoranthene

Concen: 274.171 ng

RT: 19.289 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

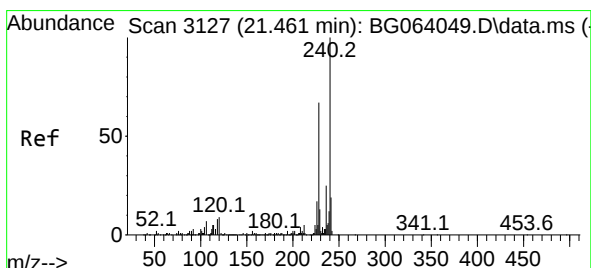
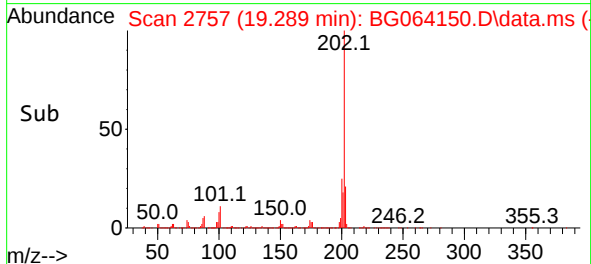
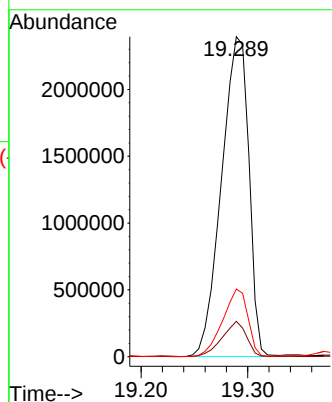
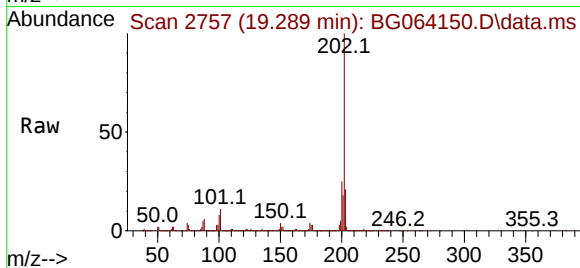
Tgt Ion:202 Resp: 4263091

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.5

203 21.1 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.457 min Scan# 3126

Delta R.T. -0.003 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

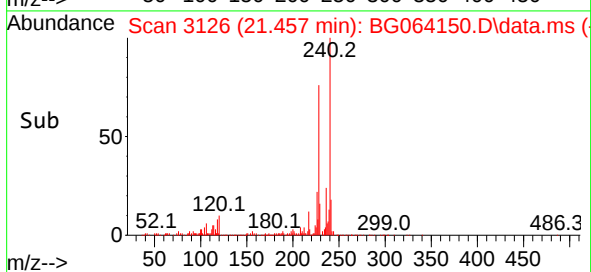
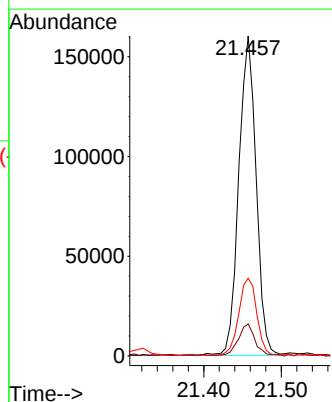
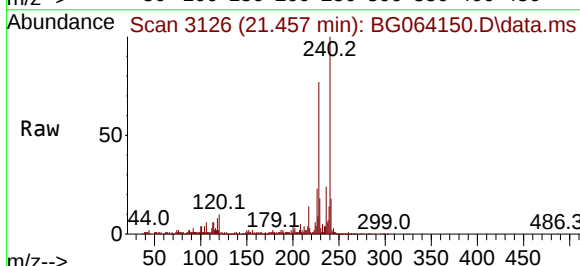
Tgt Ion:240 Resp: 248715

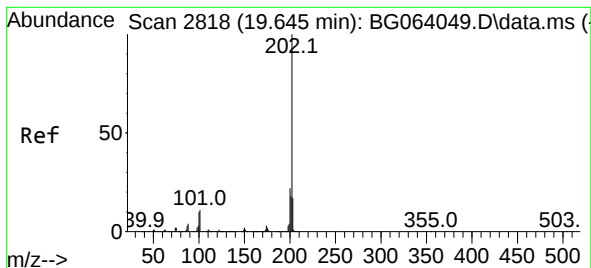
Ion Ratio Lower Upper

240 100

120 10.0 7.2 10.8

236 24.3 20.2 30.2





#78

Pyrene

Concen: 188.825 ng

RT: 19.648 min Scan# 2818

Delta R.T. 0.003 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

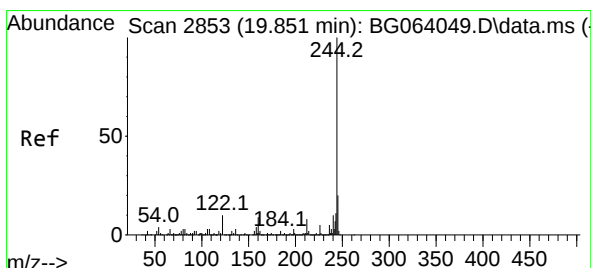
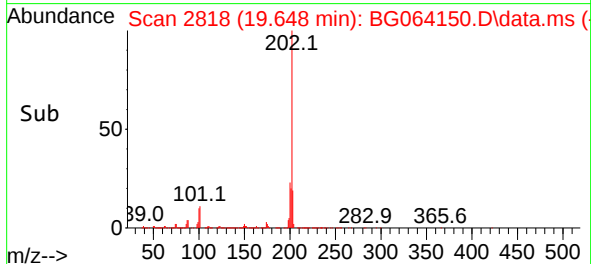
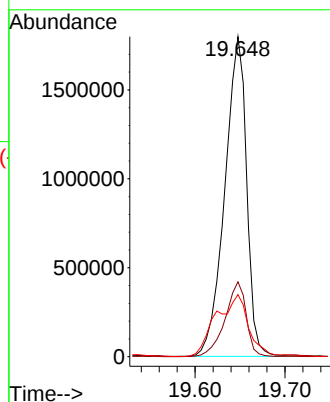
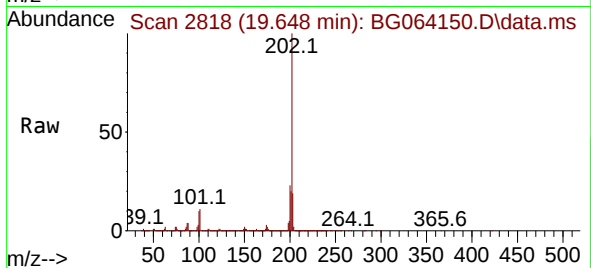
BNA_G

ClientSampleId :

RT3407DL

Tgt Ion:202 Resp: 3027365

Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.3	25.9
203	19.4	13.6	20.4



#79

Terphenyl-d14

Concen: 17.614 ng

RT: 19.842 min Scan# 2851

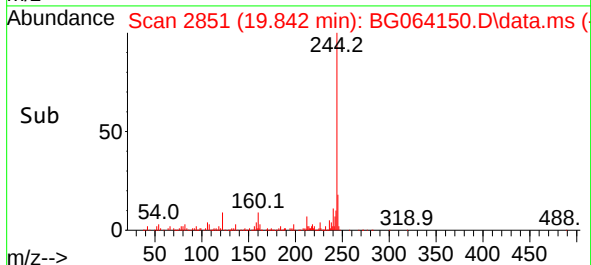
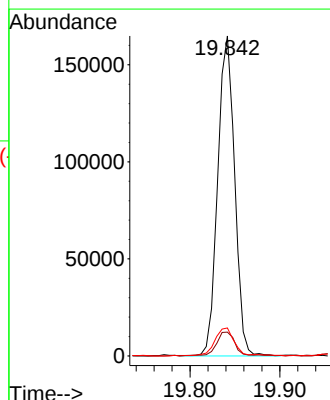
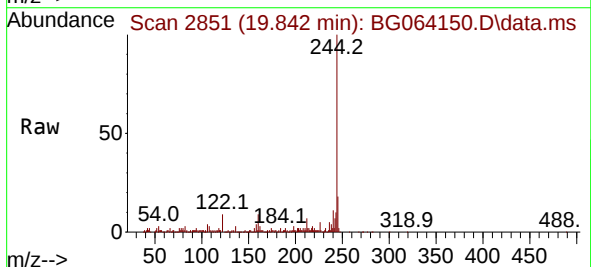
Delta R.T. -0.009 min

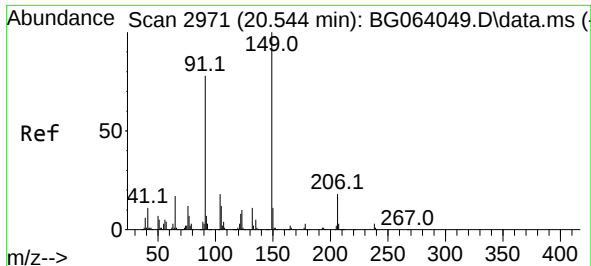
Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Tgt Ion:244 Resp: 216659

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	8.8	8.0	12.0

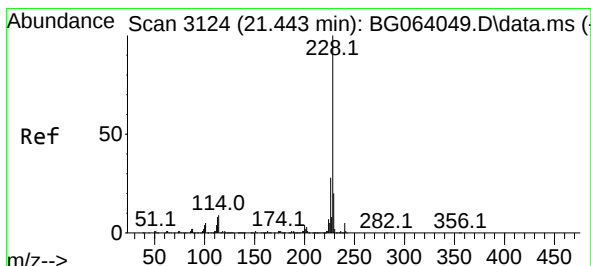
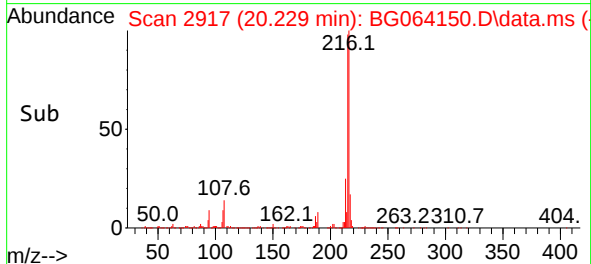
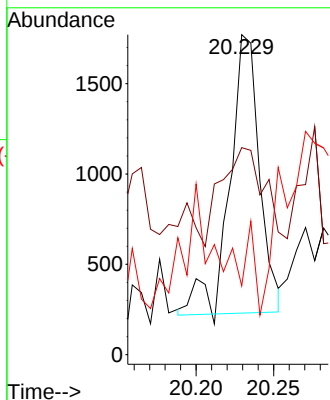
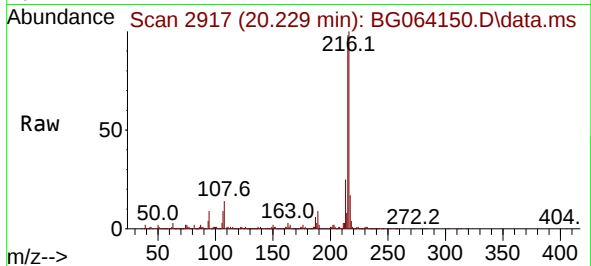




#80
Butylbenzylphthalate
Concen: 3.953 ng
RT: 20.229 min Scan# 2971
Delta R.T. -0.315 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

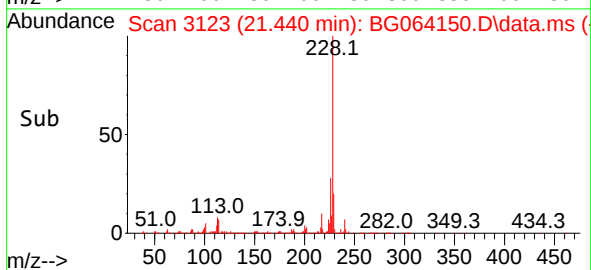
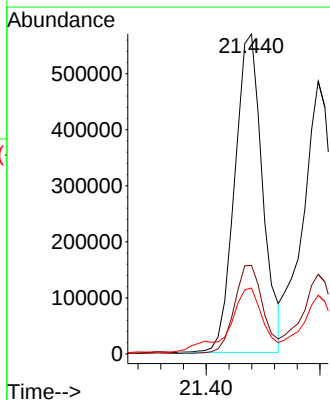
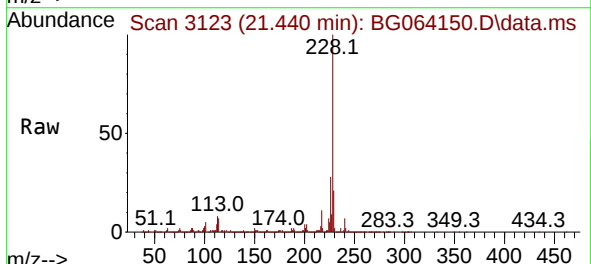
Instrument :
BNA_G
ClientSampleId :
RT3407DL

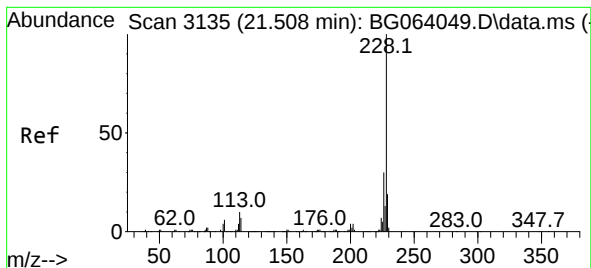
Tgt Ion:149 Resp: 2055
Ion Ratio Lower Upper
149 100
91 64.7 62.0 93.0
206 21.5 14.6 21.8



#81
Benzo(a)anthracene
Concen: 60.651 ng
RT: 21.440 min Scan# 3123
Delta R.T. -0.003 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:228 Resp: 966292
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.2
229 20.6 16.4 24.6





#83

Chrysene

Concen: 54.652 ng

RT: 21.498 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

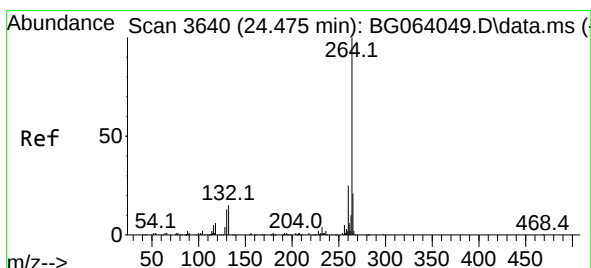
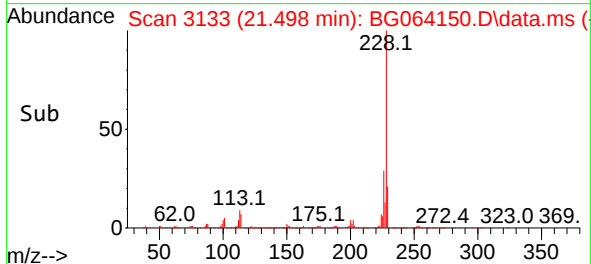
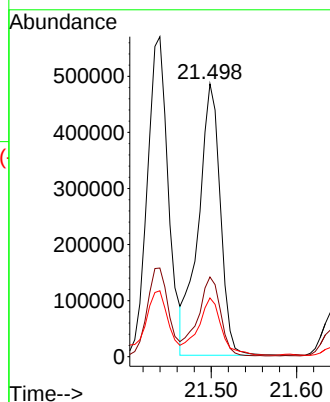
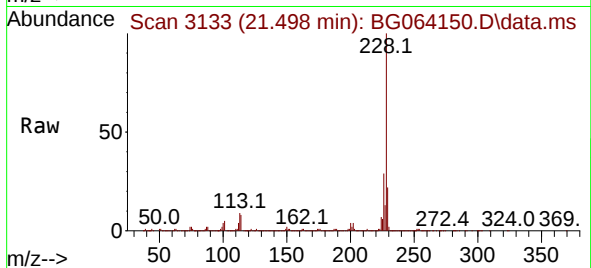
Tgt Ion:228 Resp: 868426

Ion Ratio Lower Upper

228 100

226 29.2 23.9 35.9

229 21.5 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.466 min Scan# 3638

Delta R.T. -0.009 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

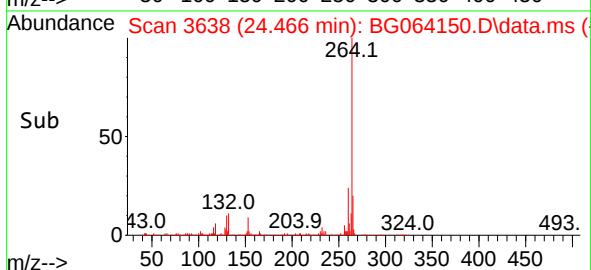
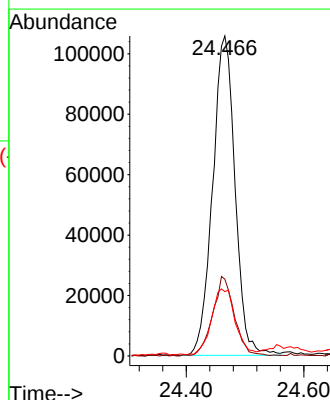
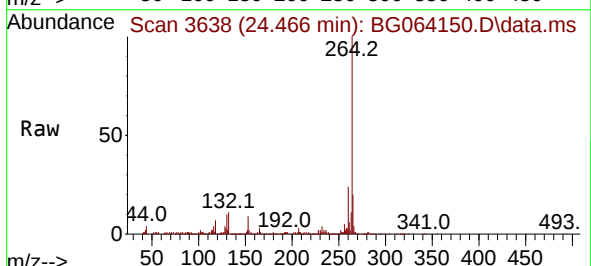
Tgt Ion:264 Resp: 279366

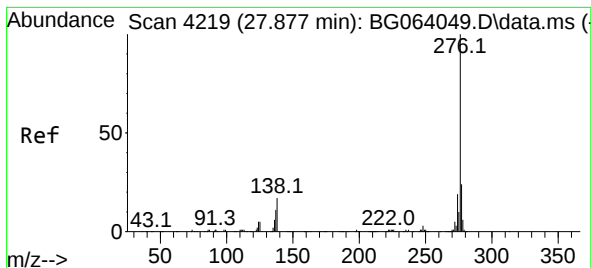
Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

265 20.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.494 ng

RT: 27.838 min Scan# 41

Delta R.T. -0.038 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

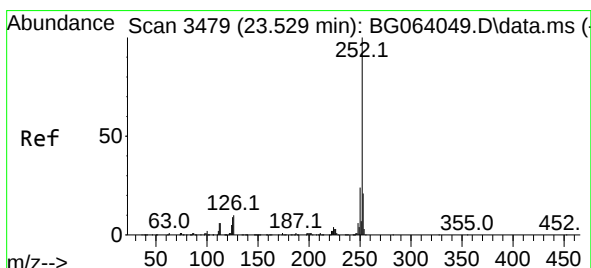
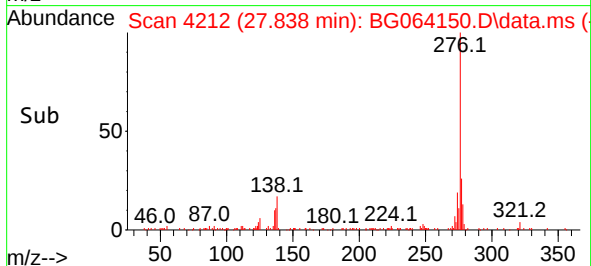
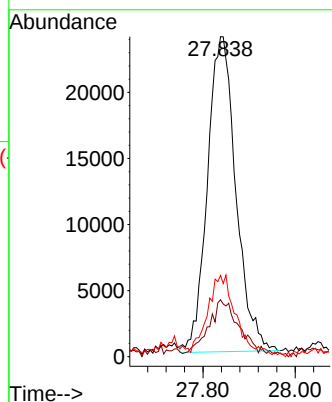
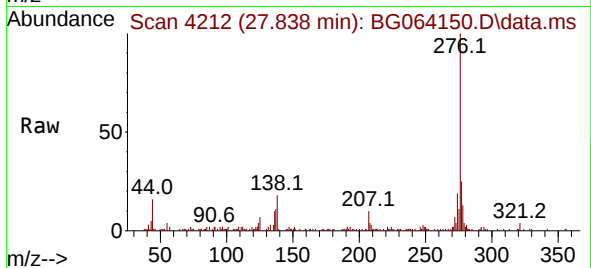
Tgt Ion:276 Resp: 102692

Ion Ratio Lower Upper

276 100

138 17.6 12.1 18.1

277 22.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 30.812 ng

RT: 23.520 min Scan# 3477

Delta R.T. -0.009 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

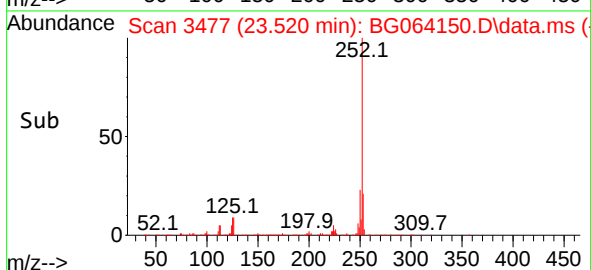
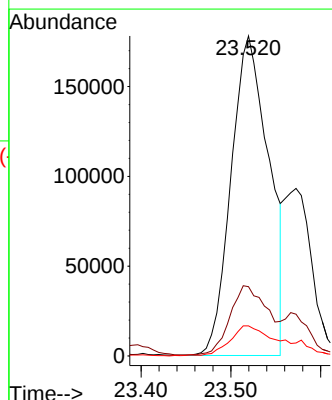
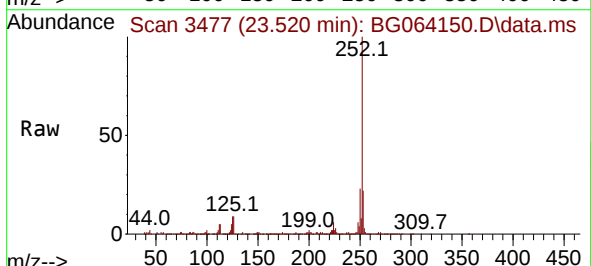
Tgt Ion:252 Resp: 520370

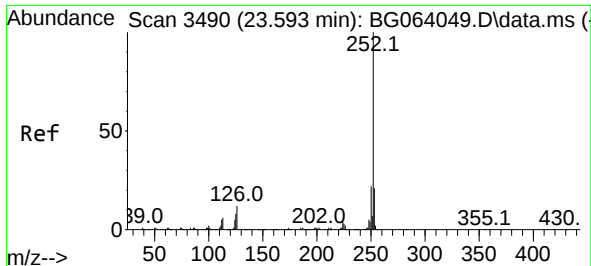
Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.4

125 9.4 7.4 11.2

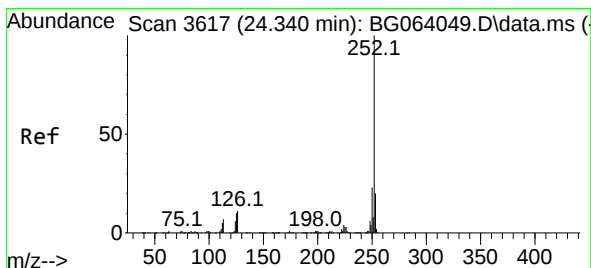
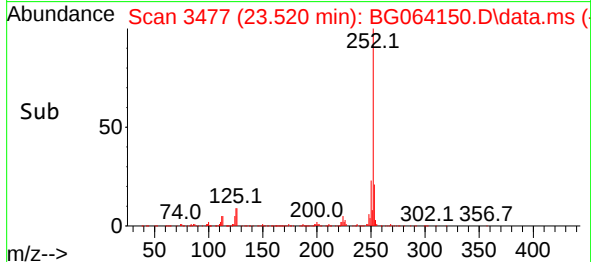
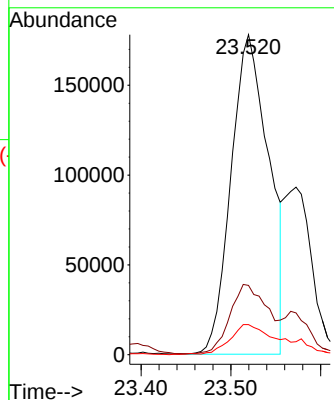
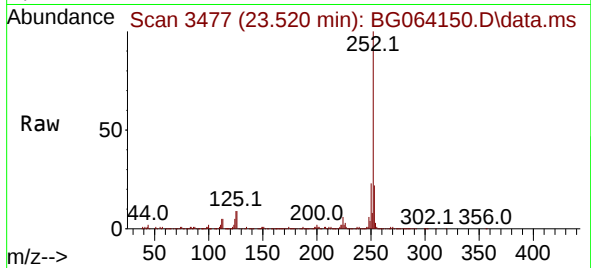




#89
Benzo(k)fluoranthene
Concen: 30.713 ng
RT: 23.520 min Scan# 34
Delta R.T. -0.074 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

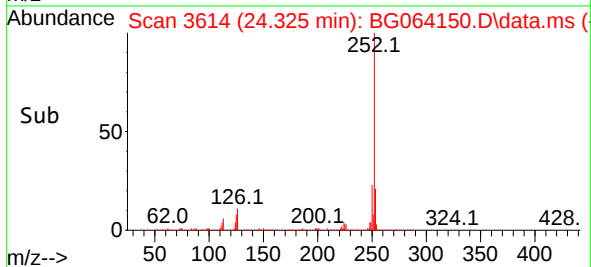
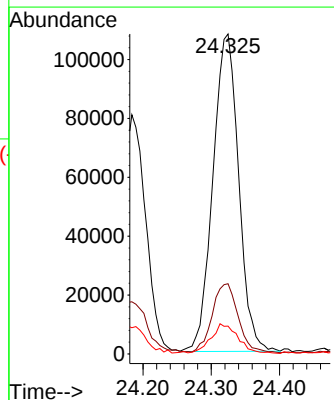
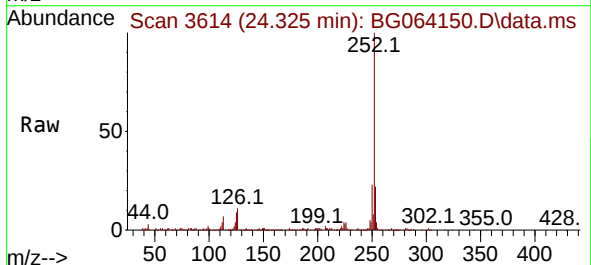
Instrument :
BNA_G
ClientSampleId :
RT3407DL

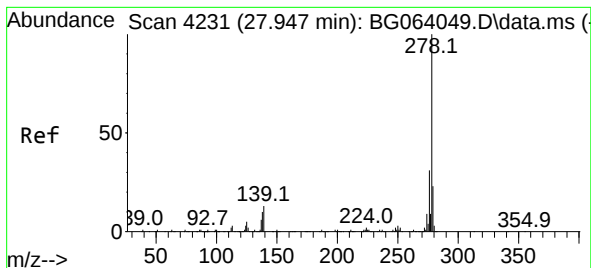
Tgt Ion:252 Resp: 520370
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 9.4 6.9 10.3



#90
Benzo(a)pyrene
Concen: 18.835 ng
RT: 24.325 min Scan# 3614
Delta R.T. -0.015 min
Lab File: BG064150.D
Acq: 2 Apr 2025 13:04

Tgt Ion:252 Resp: 283294
Ion Ratio Lower Upper
252 100
253 21.9 16.2 24.2
125 8.7 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 2.105 ng

RT: 27.897 min Scan# 4393

Delta R.T. -0.050 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Instrument :

BNA_G

ClientSampleId :

RT3407DL

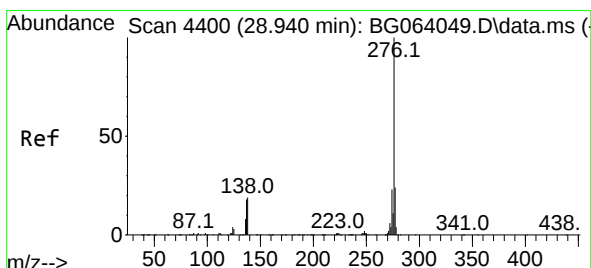
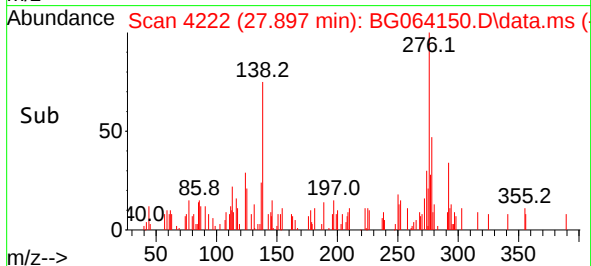
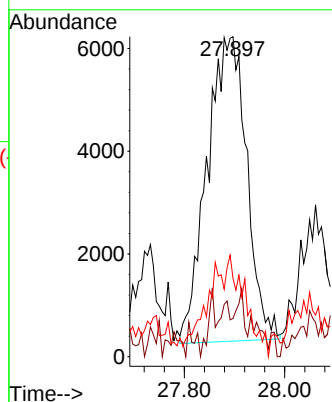
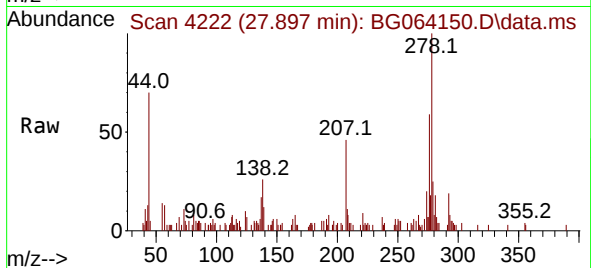
Tgt Ion:278 Resp: 32615

Ion Ratio Lower Upper

278 100

139 12.0 10.2 15.2

279 24.5 18.1 27.1



#92

Benzo(g,h,i)perylene

Concen: 5.486 ng

RT: 28.902 min Scan# 4393

Delta R.T. -0.038 min

Lab File: BG064150.D

Acq: 2 Apr 2025 13:04

Tgt Ion:276 Resp: 87278

Ion Ratio Lower Upper

276 100

277 21.2 19.5 29.3

138 16.5 15.4 23.0

