

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060866.D
 Acq On : 11 Apr 2024 19:37
 Operator : MA/JU
 Sample : P2070-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Apr 12 01:37:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

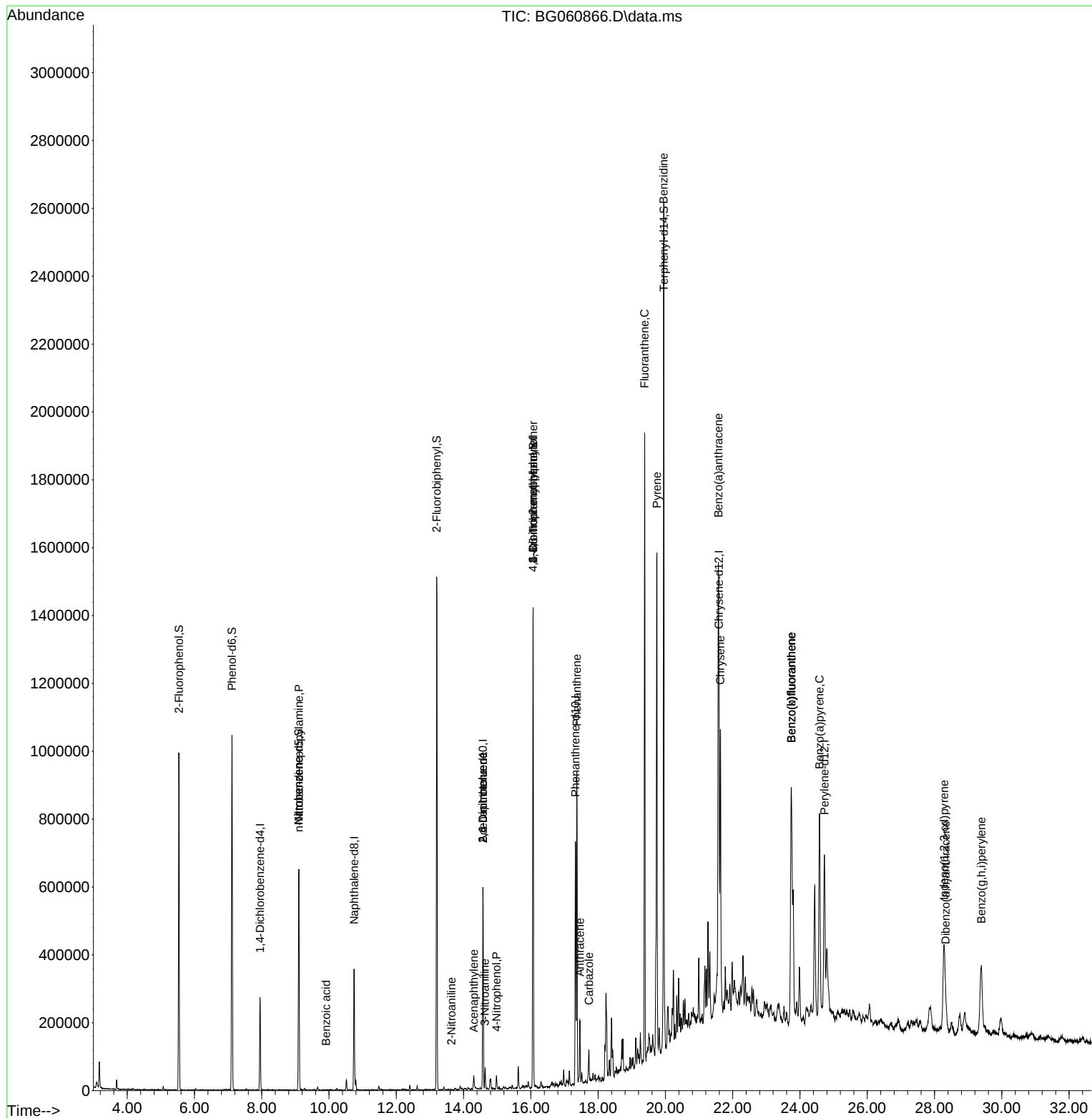
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	72526	20.000	ng	-0.01
21) Naphthalene-d8	10.744	136	280723	20.000	ng	-0.01
39) Acenaphthene-d10	14.575	164	210491	20.000	ng	-0.01
64) Phenanthrene-d10	17.325	188	457594	20.000	ng	-0.01
76) Chrysene-d12	21.590	240	406261	20.000	ng	-0.01
86) Perylene-d12	24.728	264	490500	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	382072	87.760	ng	0.00
7) Phenol-d6	7.113	99	530771	82.132	ng	0.00
23) Nitrobenzene-d5	9.099	82	349848	71.112	ng	-0.01
42) 2,4,6-Tribromophenol	16.067	330	279303	116.892	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	785496	54.768	ng	-0.02
79) Terphenyl-d14	19.951	244	1288198	55.834	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.105	70	48472	9.836	ng	# 69
24) Nitrobenzene	9.099	77	1315	2.999	ng	# 41
32) Benzoic acid	9.910	122	66	6.855	ng	# 1
48) 2-Nitroaniline	13.635	65	56	2.807	ng	# 11
49) Acenaphthylene	14.305	152	42652	2.247	ng	99
51) 2,6-Dinitrotoluene	14.575	165	27354	12.008	ng	# 20
53) 3-Nitroaniline	14.634	138	69	2.871	ng	# 1
56) 4-Nitrophenol	14.974	139	7919	3.256	ng	# 1
57) 2,4-Dinitrotoluene	14.575	165	27354	10.105	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.061	198	703	7.352	ng	# 1
67) 4-Bromophenyl-phenylether	16.067	248	19176	4.129	ng	# 1
71) Phenanthrene	17.366	178	563541	23.680	ng	100
72) Anthracene	17.460	178	121192	5.014	ng	97
73) Carbazole	17.724	167	61847	2.902	ng	97
75) Fluoranthene	19.381	202	1182115	40.934	ng	97
77) Benzidine	19.945	184	21447	2.005	ng	# 96
78) Pyrene	19.745	202	1017699	35.818	ng	99
81) Benzo(a)anthracene	21.573	228	678118	23.680	ng	97
83) Chrysene	21.631	228	607141	21.996	ng	97
87) Indeno(1,2,3-cd)pyrene	28.282	276	500690	14.495	ng	95
88) Benzo(b)fluoranthene	23.741	252	916503	32.524	ng	98
89) Benzo(k)fluoranthene	23.741	252	916503	31.776	ng	# 98
90) Benzo(a)pyrene	24.581	252	630024	23.006	ng	95
91) Dibenzo(a,h)anthracene	28.329	278	118876	4.083	ng	94
92) Benzo(g,h,i)perylene	29.387	276	463149	16.352	ng	99

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

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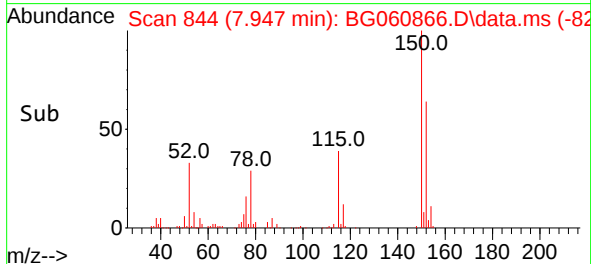
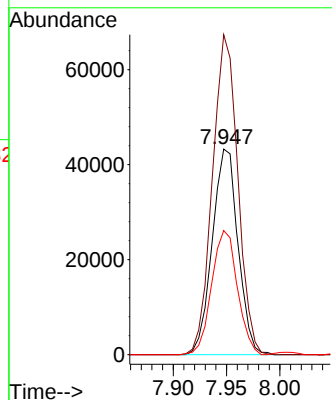
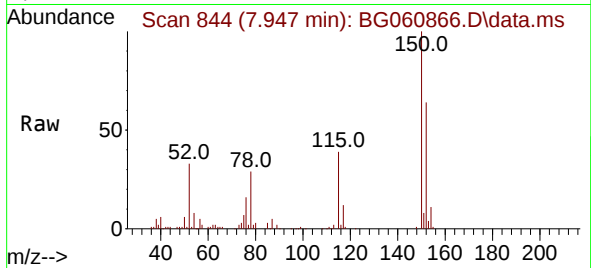




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 846
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

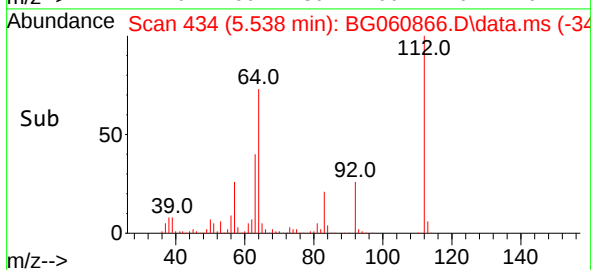
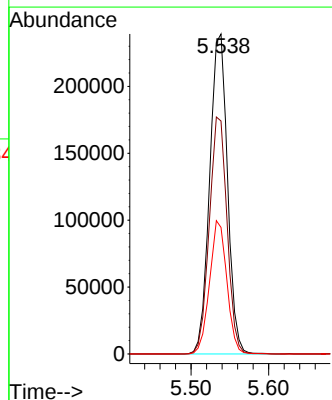
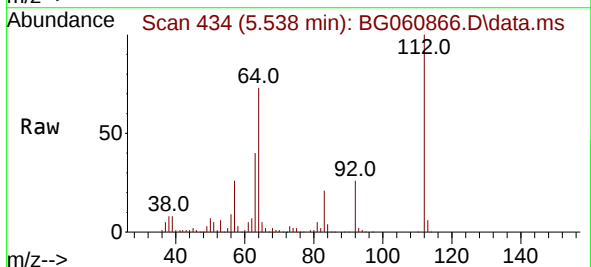
Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 72526
Ion Ratio Lower Upper
152 100
150 155.6 130.2 195.4
115 60.4 51.6 77.4



#5
2-Fluorophenol
Concen: 87.760 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.004 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:112 Resp: 382072
Ion Ratio Lower Upper
112 100
64 72.8 58.4 87.6
63 39.6 32.7 49.1

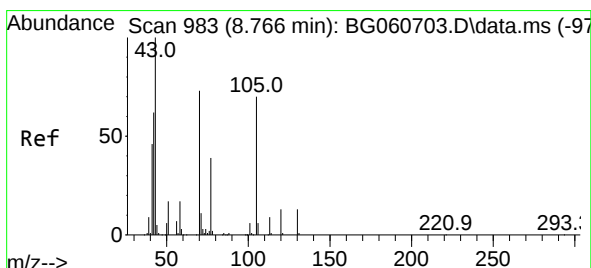
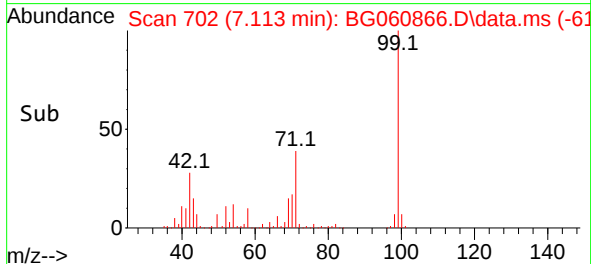
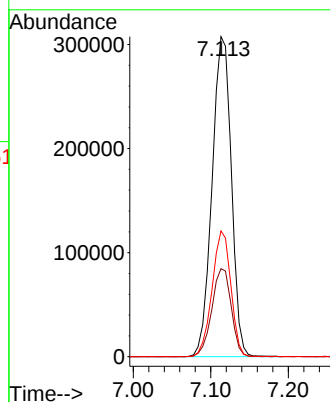
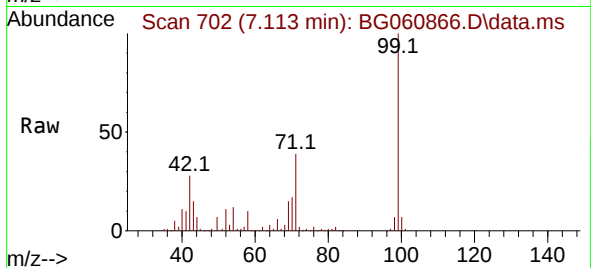




#7
Phenol-d6
Concen: 82.132 ng
RT: 7.113 min Scan# 70
Delta R.T. -0.002 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

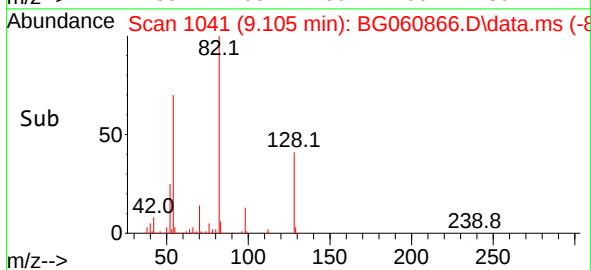
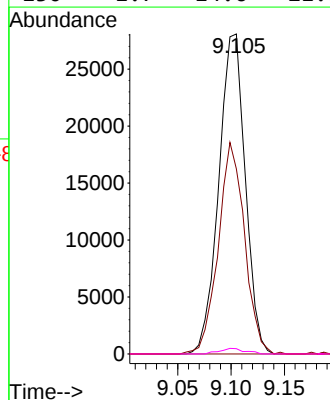
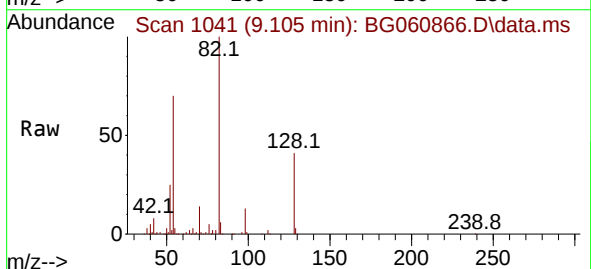
Instrument :
BNA_G
ClientSampleId :
TP-3

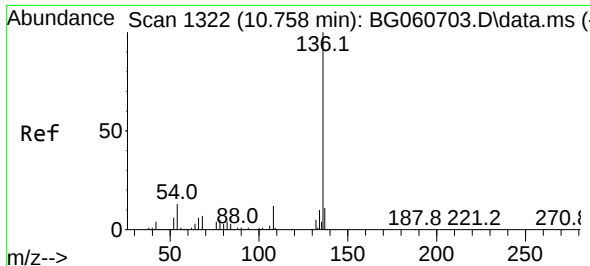
Tgt Ion: 99 Resp: 530771
Ion Ratio Lower Upper
99 100
42 27.5 19.4 29.2
71 39.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.836 ng
RT: 9.105 min Scan# 1041
Delta R.T. 0.339 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion: 70 Resp: 48472
Ion Ratio Lower Upper
70 100
42 57.9 68.4 102.6#
101 0.0 6.1 9.1#
130 1.7 14.6 21.8#

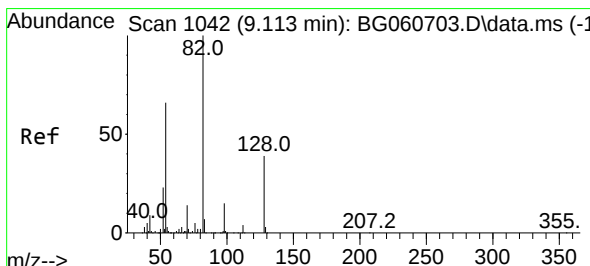
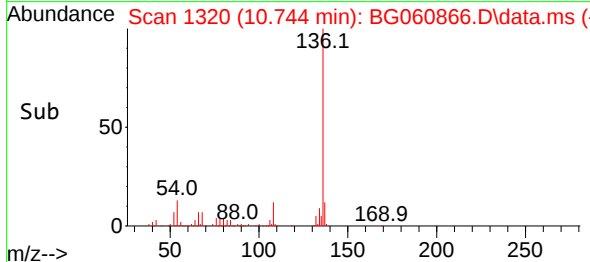
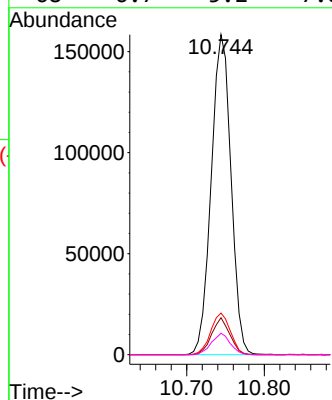
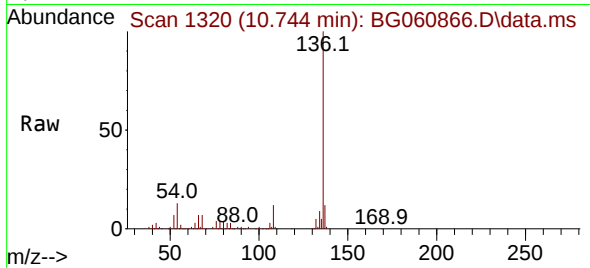




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

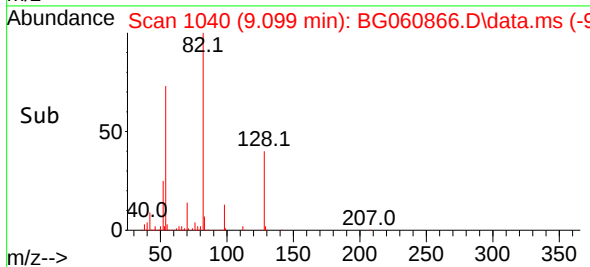
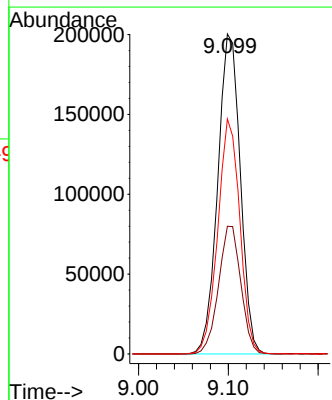
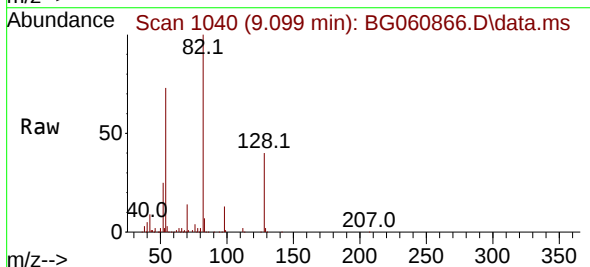
Instrument :
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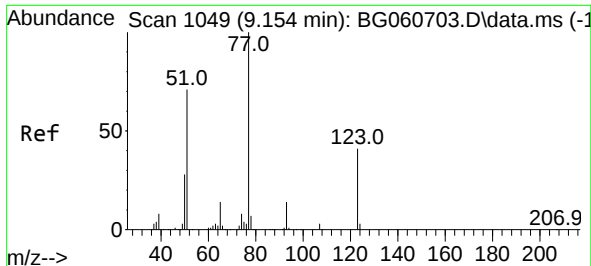
Tgt Ion:	136	Resp:	280723
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	13.0	10.2	15.2
68	6.7	5.2	7.8



#23
Nitrobenzene-d5
Concen: 71.112 ng
RT: 9.099 min Scan# 1040
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:	82	Resp:	349848
Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.2	46.8
54	73.5	53.2	79.8

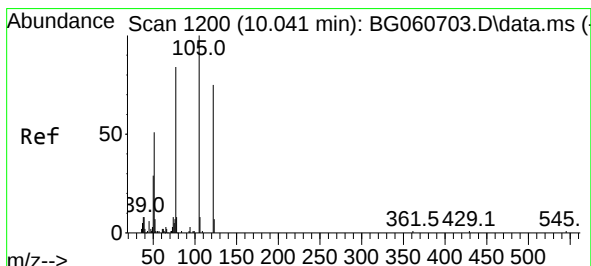
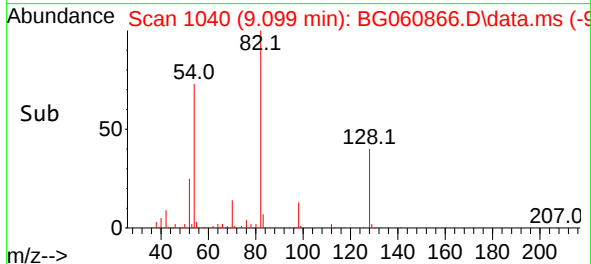
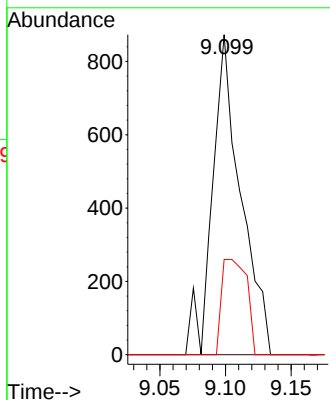
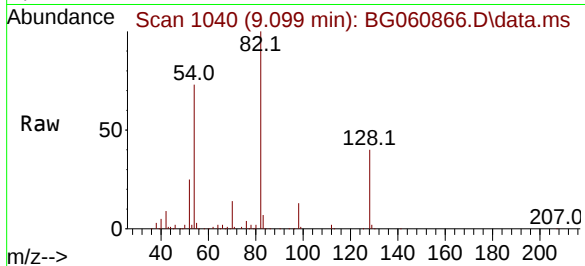




#24
Nitrobenzene
Concen: 2.999 ng
RT: 9.099 min Scan# 1178
Delta R.T. -0.055 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

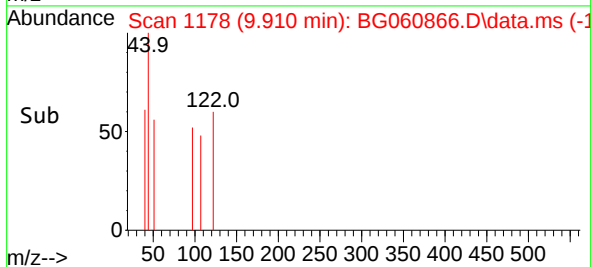
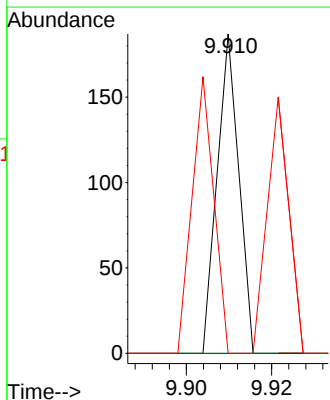
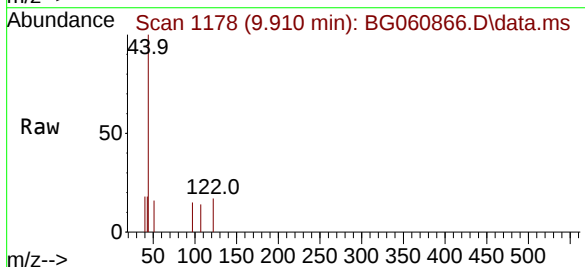
Instrument :
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ClientSampleId :
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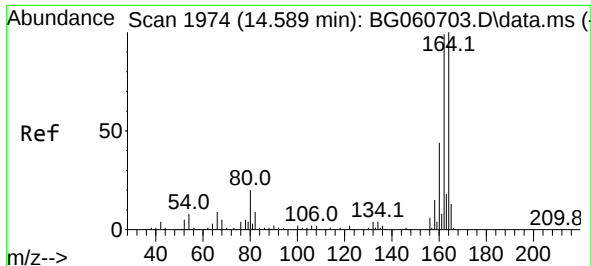
Tgt Ion: 77 Resp: 1315
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 29.8 11.3 16.9#



#32
Benzoic acid
Concen: 6.855 ng
RT: 9.910 min Scan# 1178
Delta R.T. -0.131 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion: 122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#

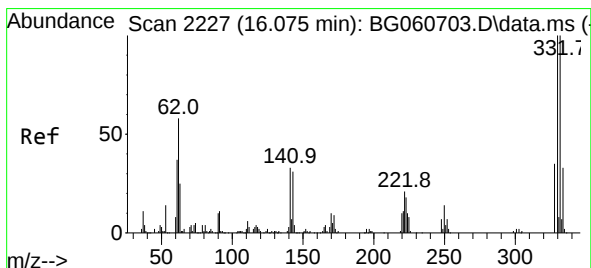
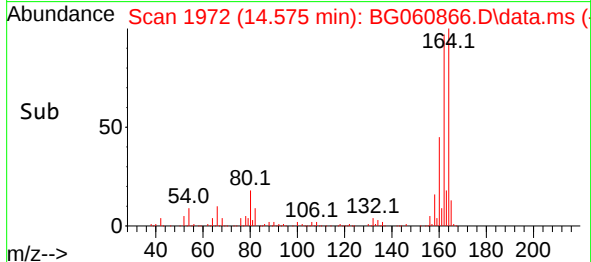
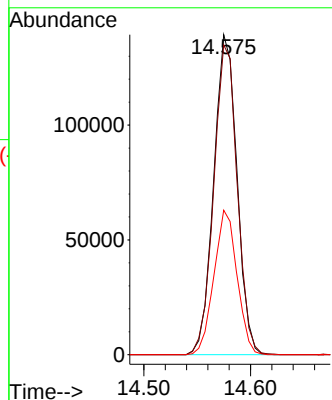
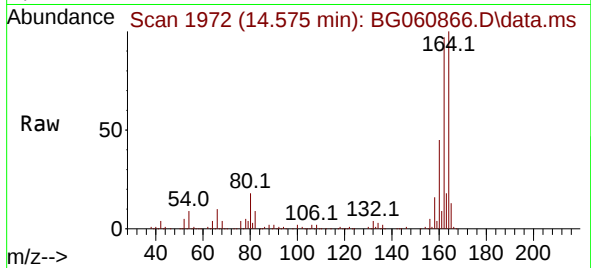




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.575 min Scan# 1974
 Delta R.T. -0.014 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

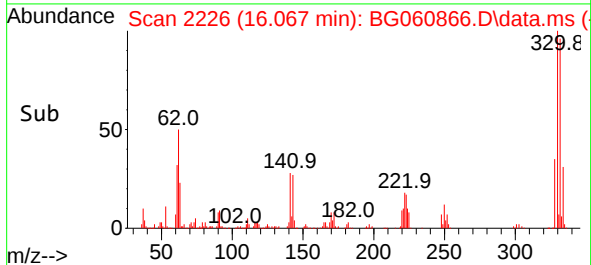
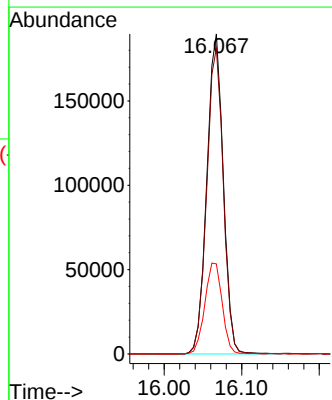
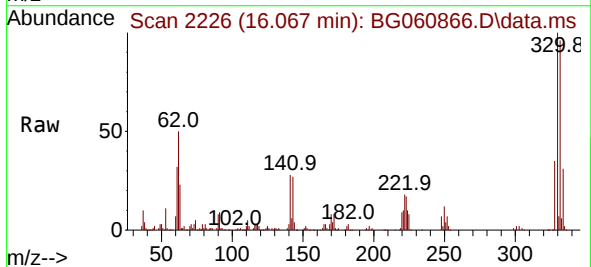
Instrument :
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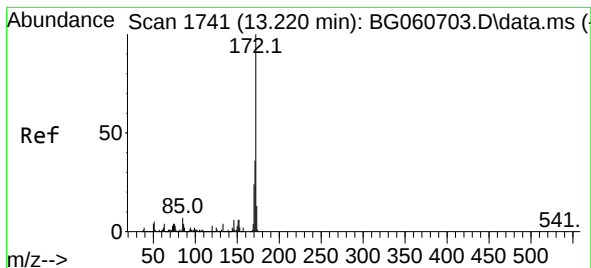
Tgt Ion:164 Resp: 210491
 Ion Ratio Lower Upper
 164 100
 162 96.8 79.5 119.3
 160 45.2 35.4 53.0



#42
 2,4,6-Tribromophenol
 Concen: 116.892 ng
 RT: 16.067 min Scan# 2226
 Delta R.T. -0.008 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

Tgt Ion:330 Resp: 279303
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.2 117.4
 141 30.0 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 54.768 ng

RT: 13.200 min Scan# 1

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

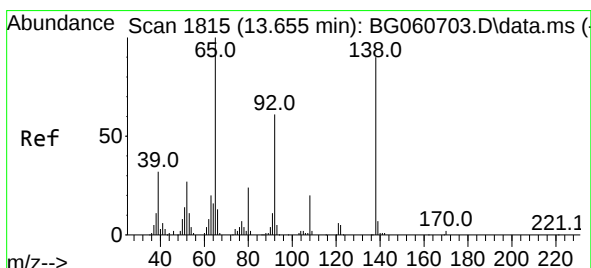
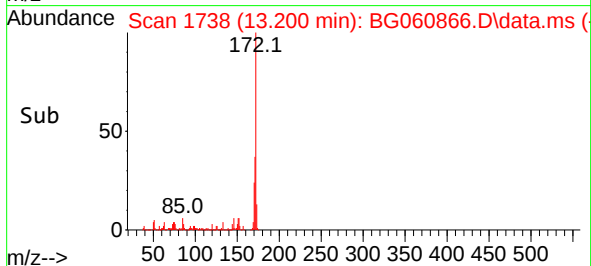
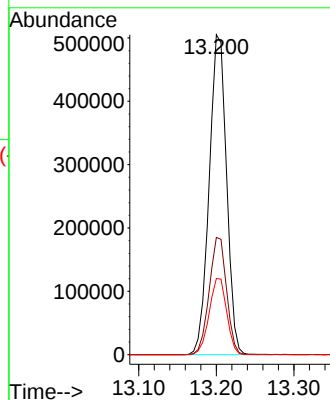
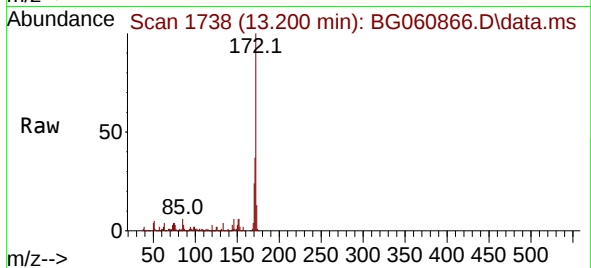
Tgt Ion:172 Resp: 785496

Ion Ratio Lower Upper

172 100

171 36.7 28.7 43.1

170 23.8 19.4 29.0



#48

2-Nitroaniline

Concen: 2.807 ng

RT: 13.635 min Scan# 1812

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

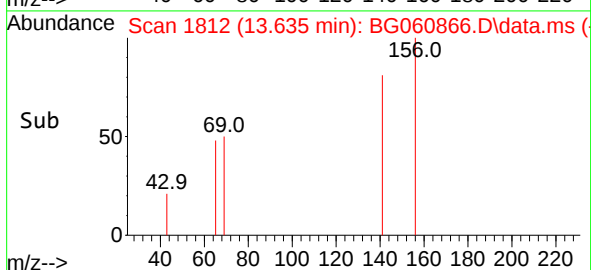
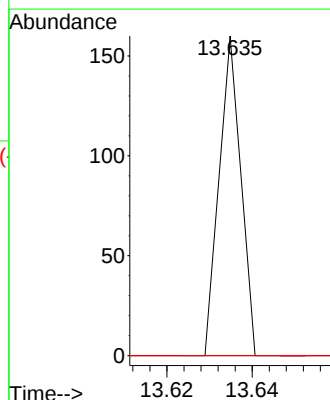
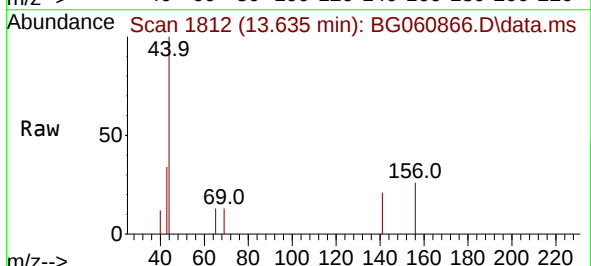
Tgt Ion: 65 Resp: 56

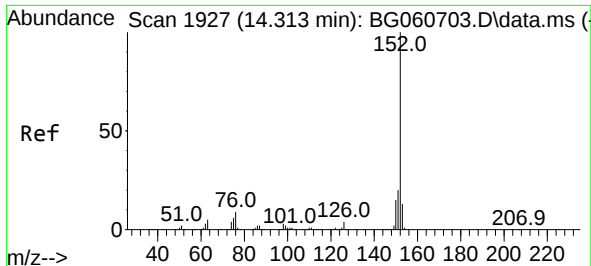
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

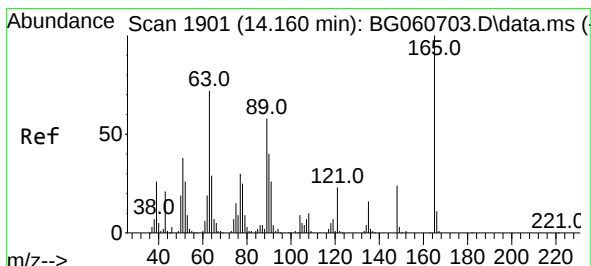
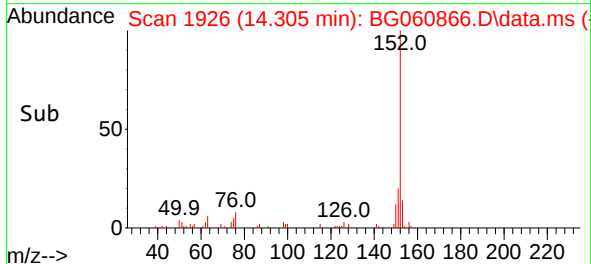
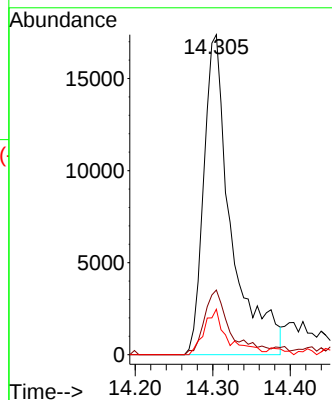
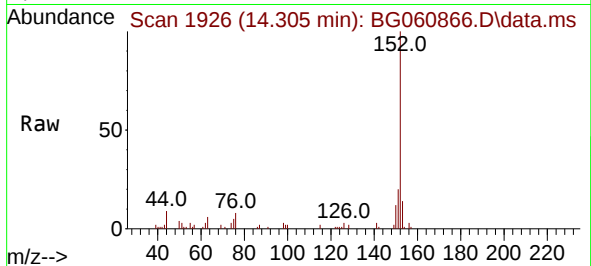




#49
Acenaphthylene
Concen: 2.247 ng
RT: 14.305 min Scan# 1926
Delta R.T. -0.008 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

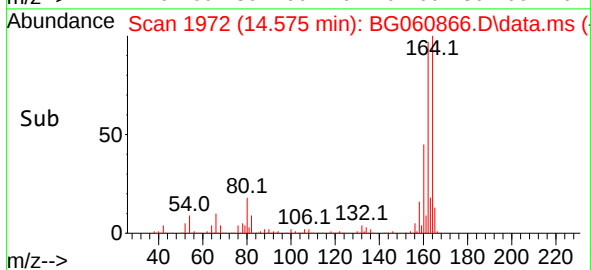
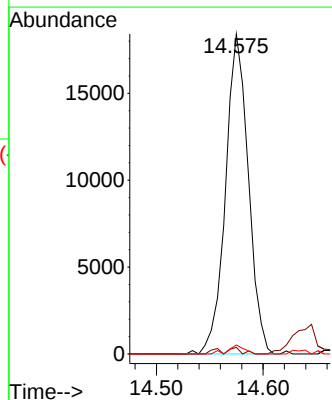
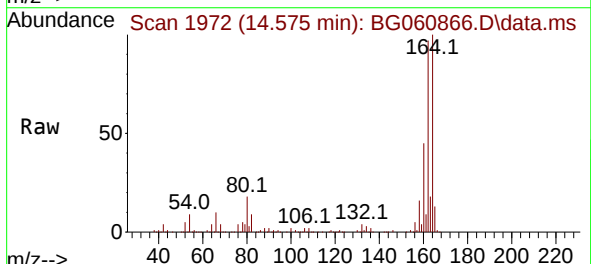
Instrument :
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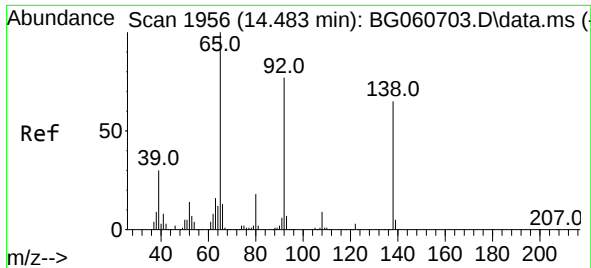
Tgt Ion:152 Resp: 42652
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 14.2 10.5 15.7



#51
2,6-Dinitrotoluene
Concen: 12.008 ng
RT: 14.575 min Scan# 1972
Delta R.T. 0.415 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:165 Resp: 27354
Ion Ratio Lower Upper
165 100
63 2.0 58.2 87.4#
89 2.8 46.1 69.1#

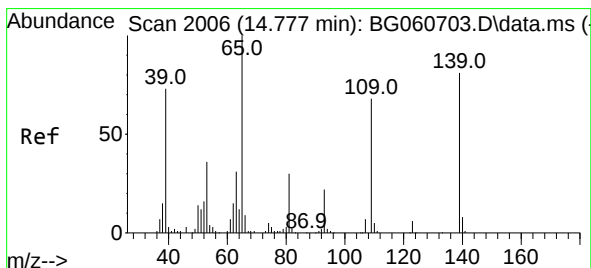
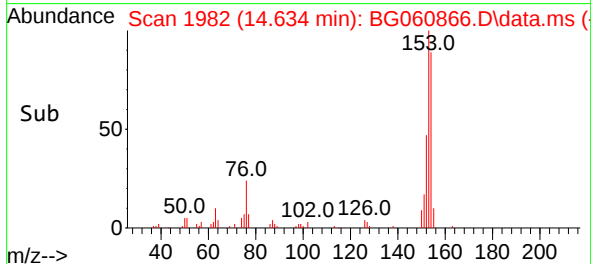
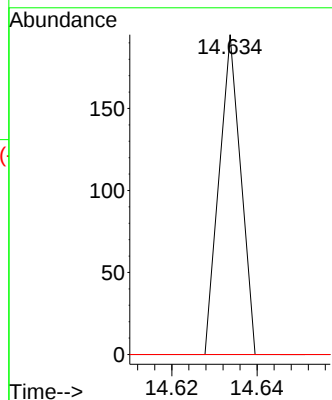
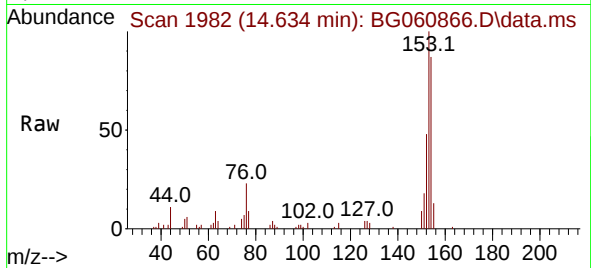




#53
3-Nitroaniline
Concen: 2.871 ng
RT: 14.634 min Scan# 1956
Delta R.T. 0.151 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

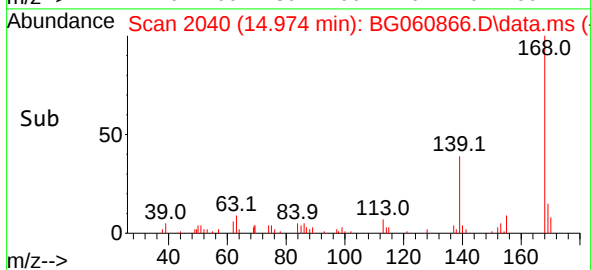
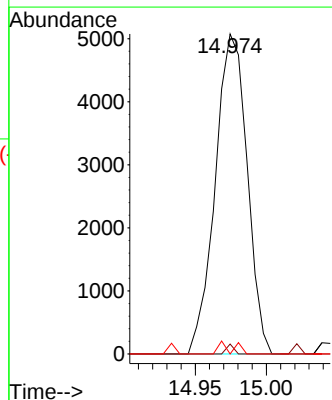
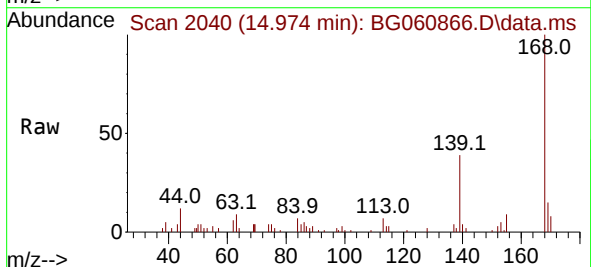
Instrument :
BNA_G
ClientSampleId :
TP-3

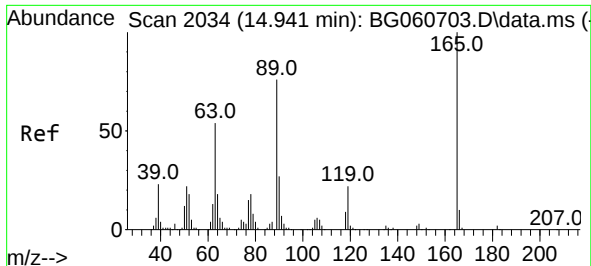
Tgt Ion:138 Resp: 69
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#56
4-Nitrophenol
Concen: 3.256 ng
RT: 14.974 min Scan# 2040
Delta R.T. 0.197 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:139 Resp: 7919
Ion Ratio Lower Upper
139 100
109 3.1 64.0 104.0#
65 0.0 104.3 144.3#





#57

2,4-Dinitrotoluene

Concen: 10.105 ng

RT: 14.575 min Scan# 1972

Delta R.T. -0.366 min

Lab File: BG060866.D

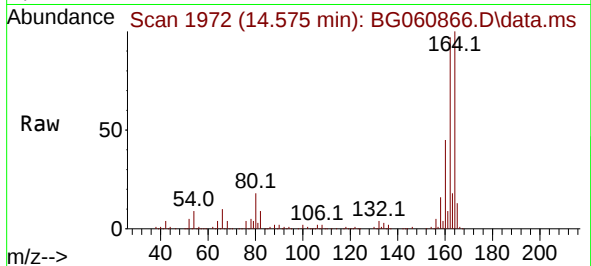
Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3



Tgt Ion:165 Resp: 27354

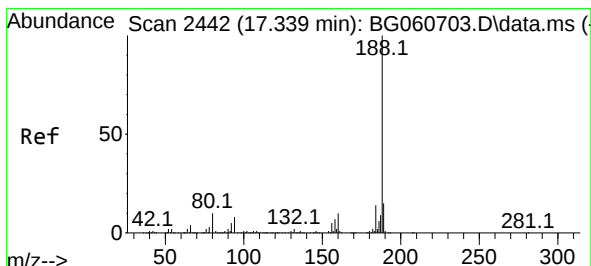
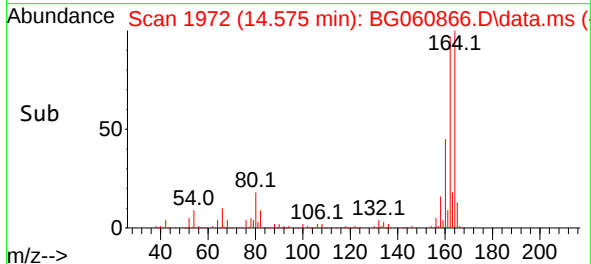
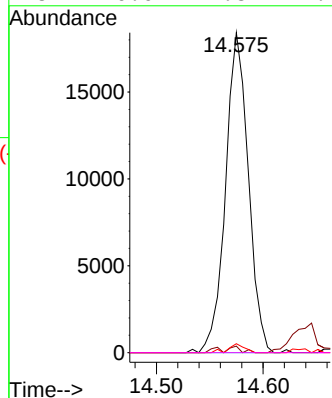
Ion Ratio Lower Upper

165 100

63 2.0 43.4 65.0#

89 2.8 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 2440

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

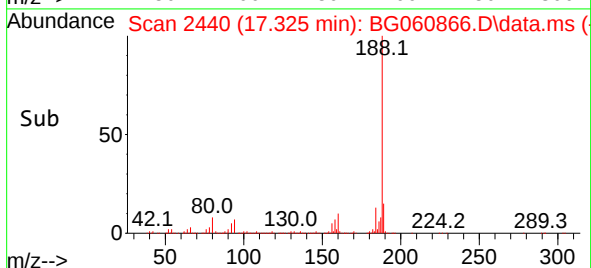
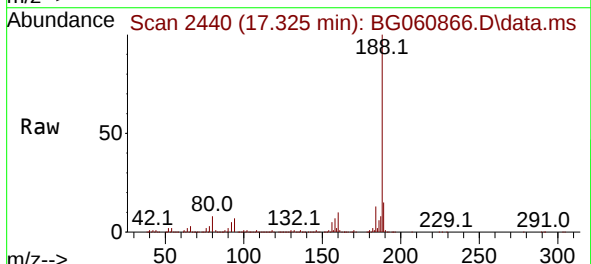
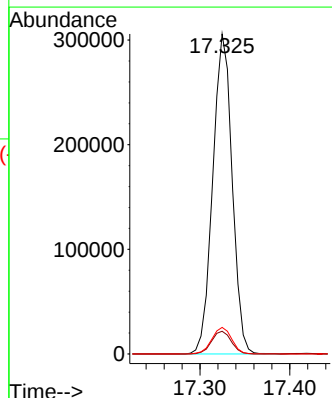
Tgt Ion:188 Resp: 457594

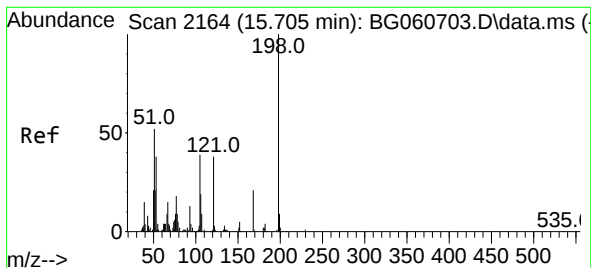
Ion Ratio Lower Upper

188 100

94 7.1 6.6 9.8

80 8.3 7.6 11.4

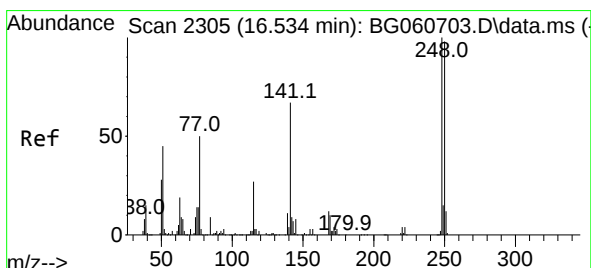
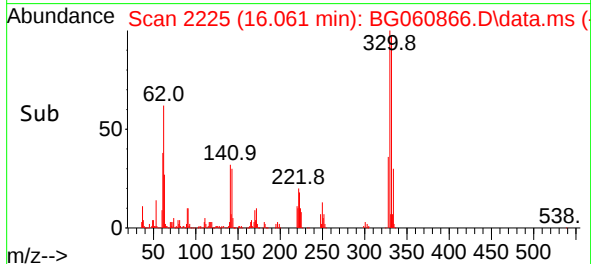
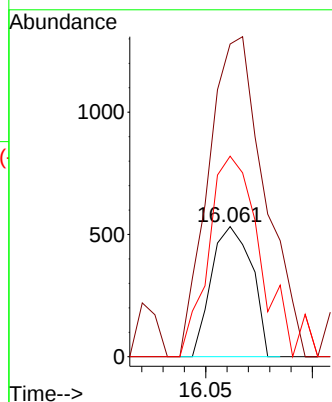
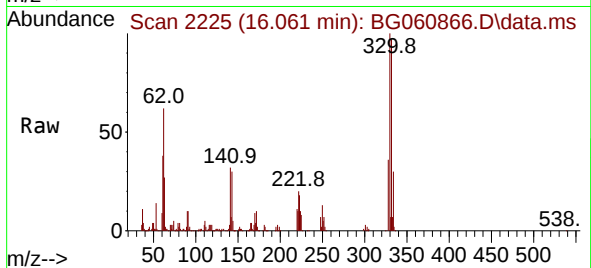




#65
4,6-Dinitro-2-methylphenol
Concen: 7.352 ng
RT: 16.061 min Scan# 2164
Delta R.T. 0.356 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

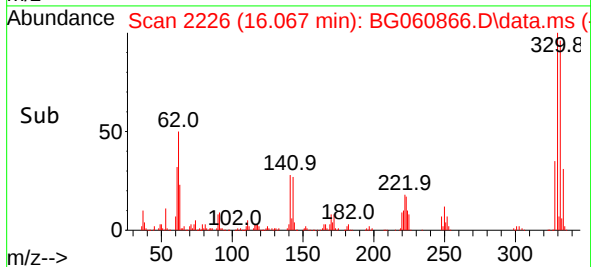
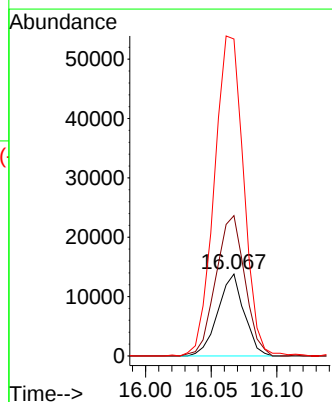
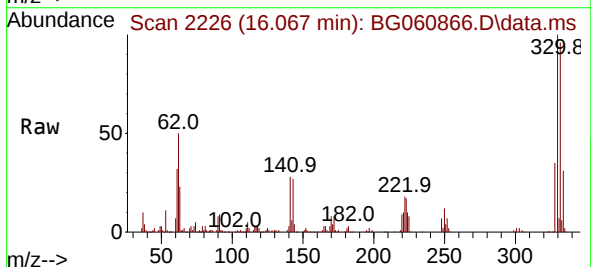
Instrument :
BNA_G
ClientSampleId :
TP-3

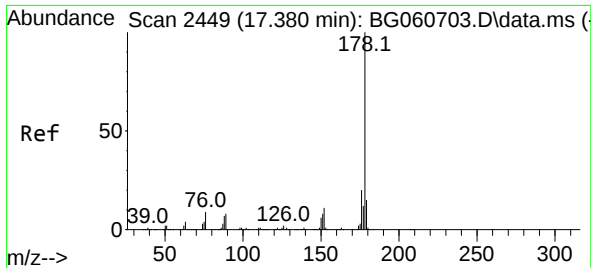
Tgt Ion:198 Resp: 703
Ion Ratio Lower Upper
198 100
51 240.4 36.7 76.7#
105 154.1 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 4.129 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.467 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:248 Resp: 19176
Ion Ratio Lower Upper
248 100
250 171.1 78.3 117.5#
141 386.6 53.7 80.5#

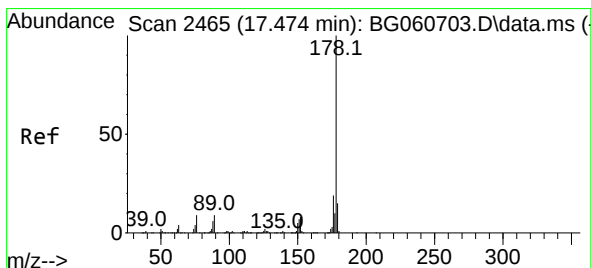
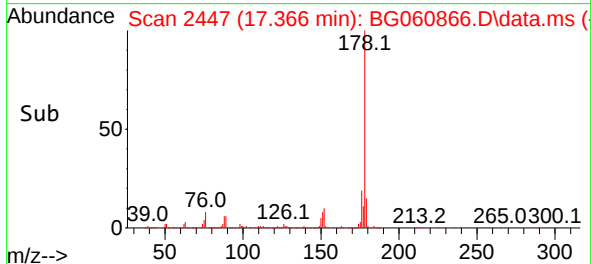
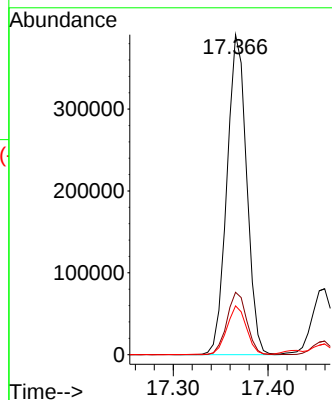
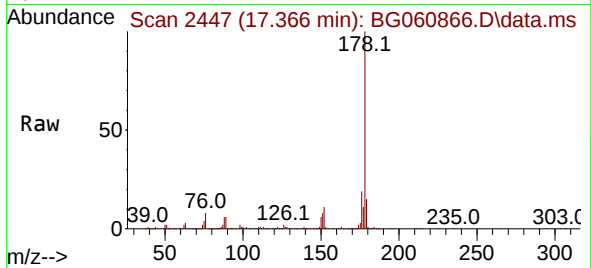




#71
Phenanthrene
Concen: 23.680 ng
RT: 17.366 min Scan# 2449
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

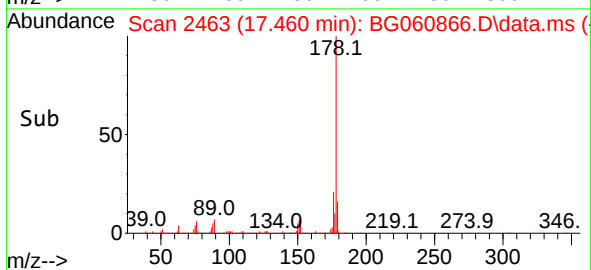
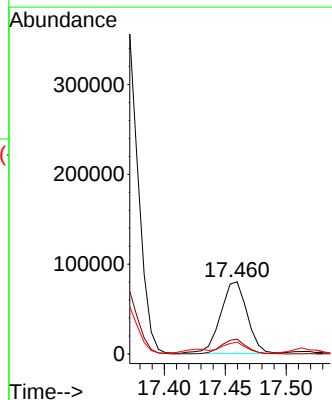
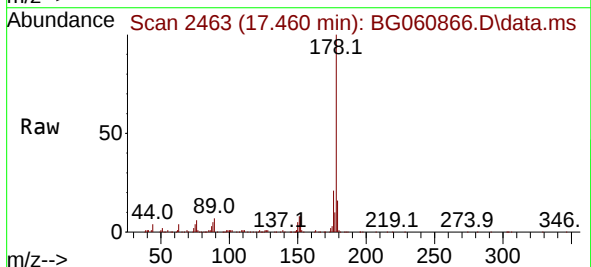
Instrument :
BNA_G
ClientSampleId :
TP-3

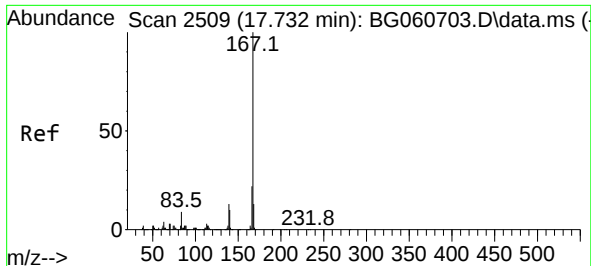
Tgt Ion:178 Resp: 563541
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.3 12.2 18.4



#72
Anthracene
Concen: 5.014 ng
RT: 17.460 min Scan# 2463
Delta R.T. -0.014 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:178 Resp: 121192
Ion Ratio Lower Upper
178 100
176 20.7 15.5 23.3
179 16.4 12.2 18.2

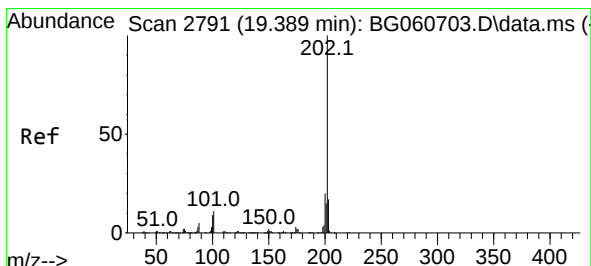
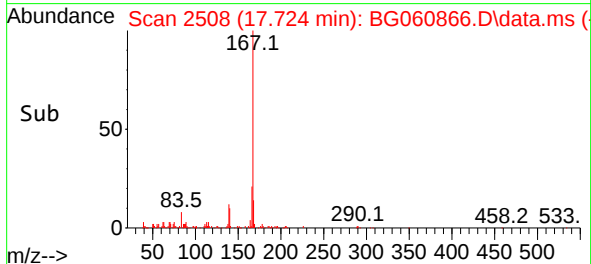
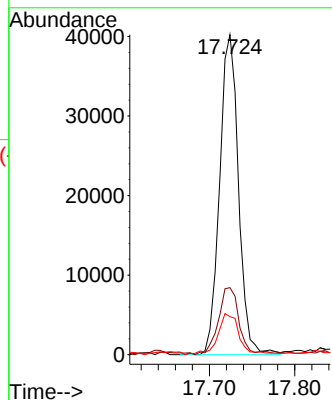
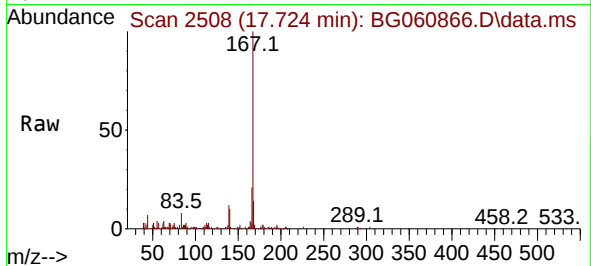




#73
 Carbazole
 Concen: 2.902 ng
 RT: 17.724 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

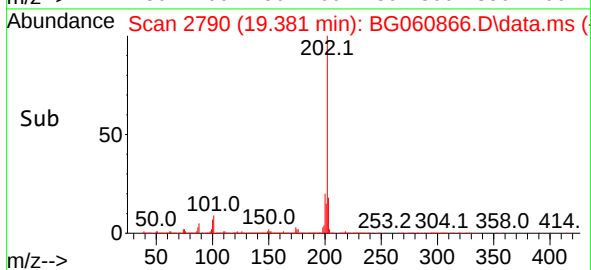
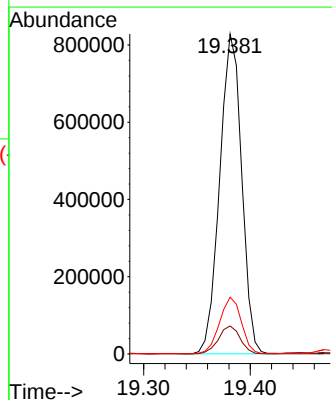
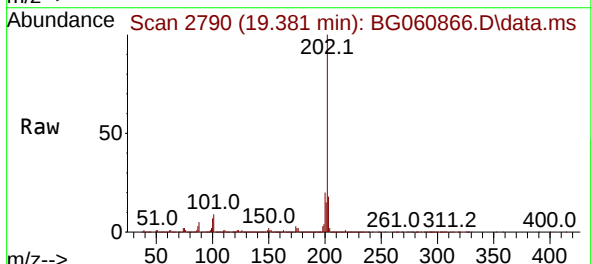
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

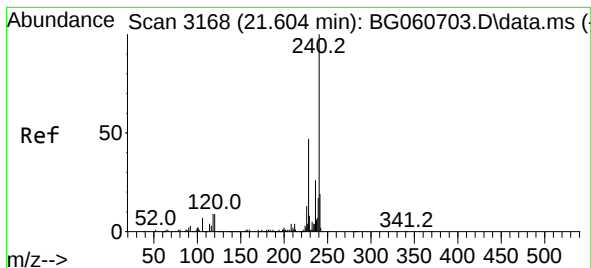
Tgt Ion:167 Resp: 61847
 Ion Ratio Lower Upper
 167 100
 166 21.0 18.0 27.0
 139 11.9 10.5 15.7



#75
 Fluoranthene
 Concen: 40.934 ng
 RT: 19.381 min Scan# 2790
 Delta R.T. -0.008 min
 Lab File: BG060866.D
 Acq: 11 Apr 2024 19:37

Tgt Ion:202 Resp: 1182115
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.8
 203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.590 min Scan# 3166

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

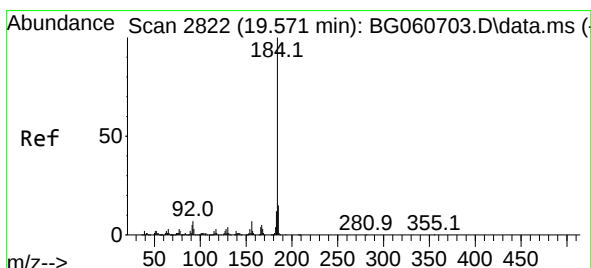
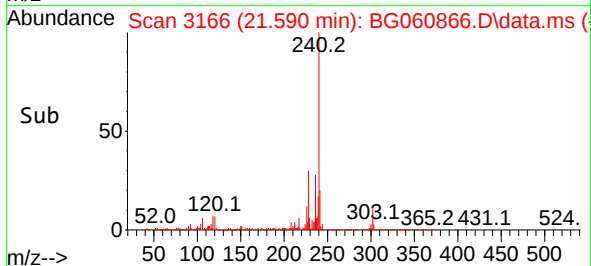
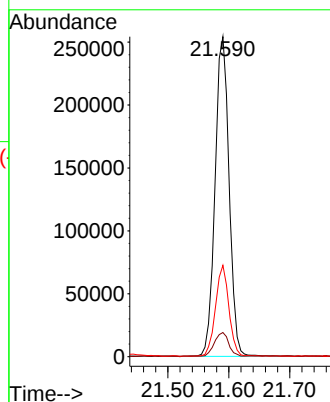
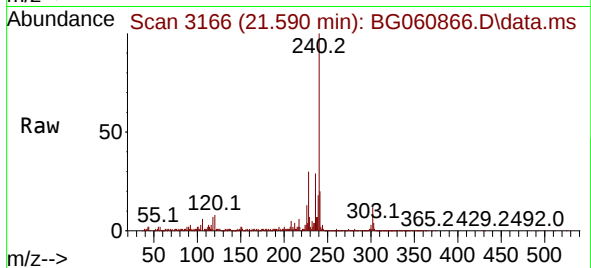
Tgt Ion:240 Resp: 406261

Ion Ratio Lower Upper

240 100

120 7.6 7.1 10.7

236 28.6 20.7 31.1



#77

Benzidine

Concen: 2.005 ng

RT: 19.945 min Scan# 2886

Delta R.T. 0.374 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

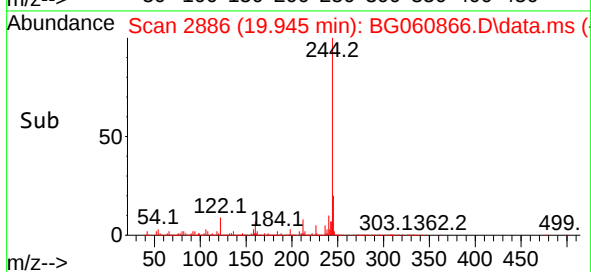
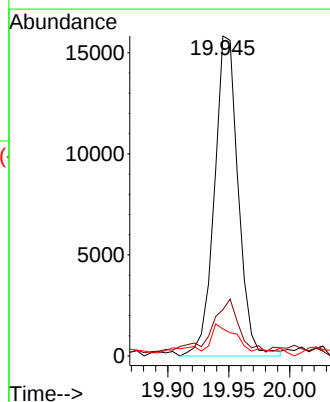
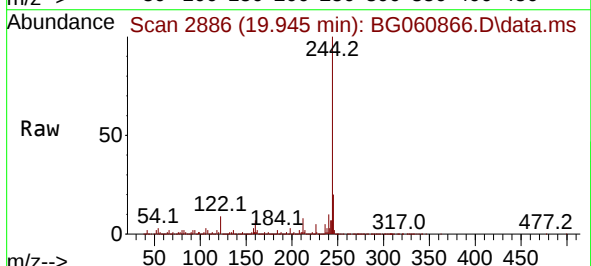
Tgt Ion:184 Resp: 21447

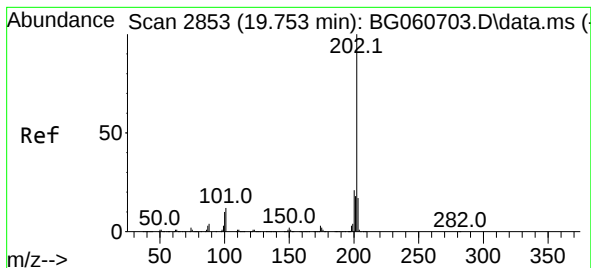
Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.6

183 8.4 9.5 14.3#





#78

Pyrene

Concen: 35.818 ng

RT: 19.745 min Scan# 2852

Delta R.T. -0.008 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

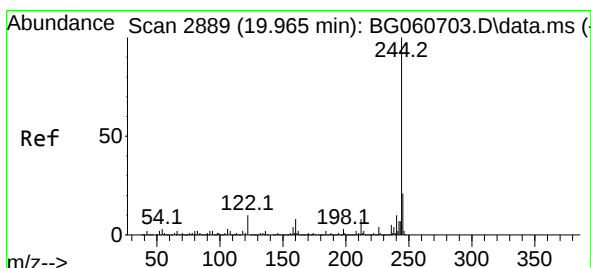
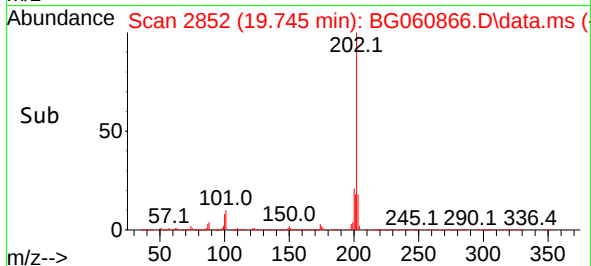
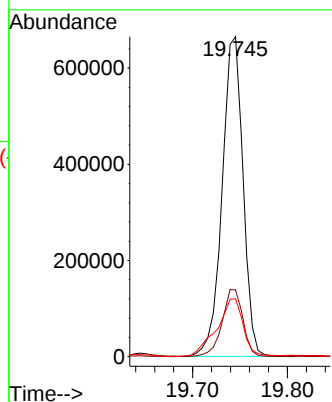
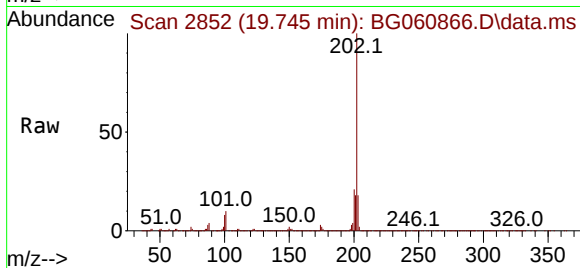
Tgt Ion:202 Resp: 1017699

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.1 14.0 21.0



#79

Terphenyl-d14

Concen: 55.834 ng

RT: 19.951 min Scan# 2887

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

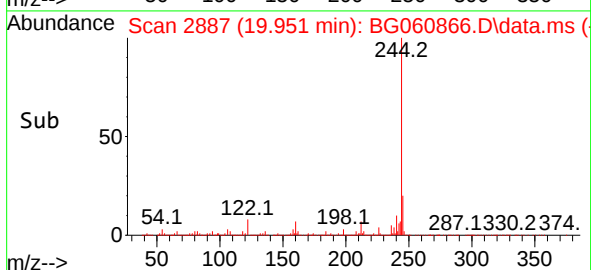
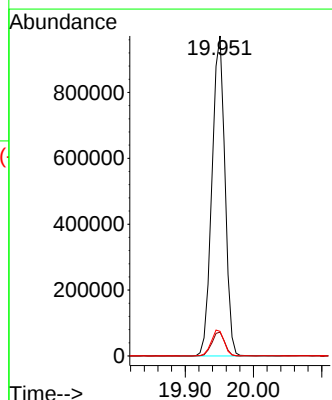
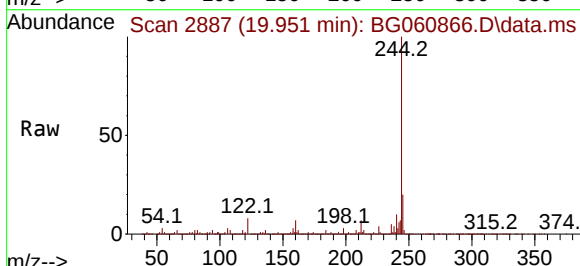
Tgt Ion:244 Resp: 1288198

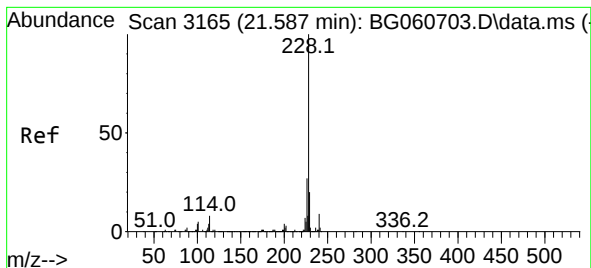
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 7.7 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 23.680 ng

RT: 21.573 min Scan# 3163

Delta R.T. -0.014 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

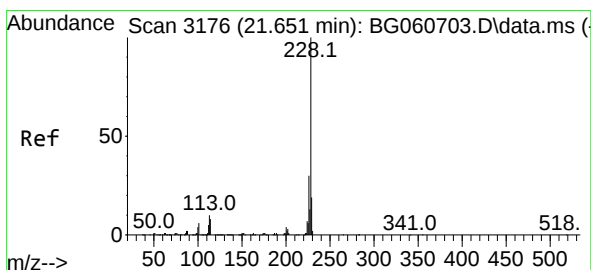
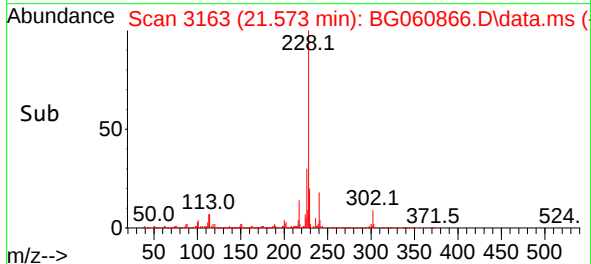
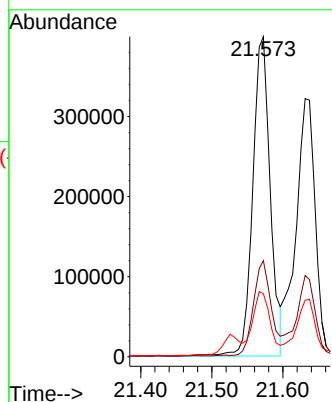
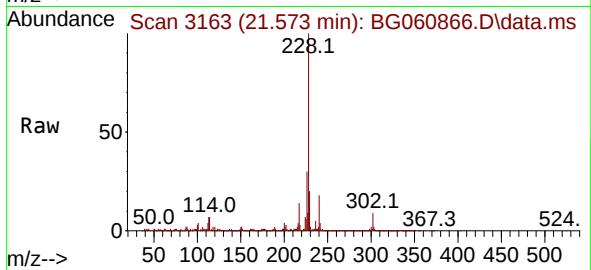
Tgt Ion:228 Resp: 678118

Ion Ratio Lower Upper

228 100

226 30.0 21.7 32.5

229 19.7 15.8 23.8



#83

Chrysene

Concen: 21.996 ng

RT: 21.631 min Scan# 3173

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

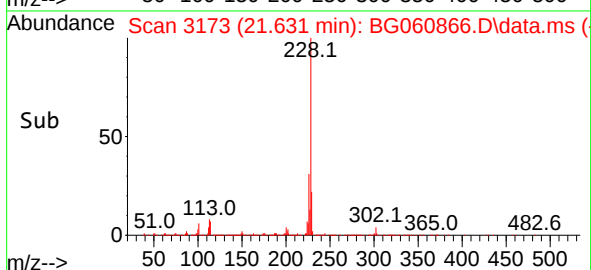
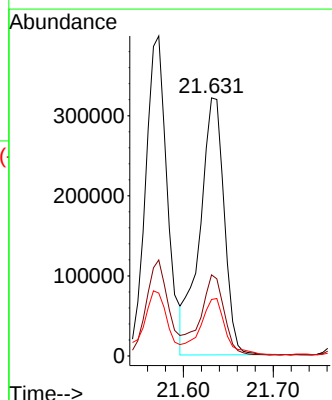
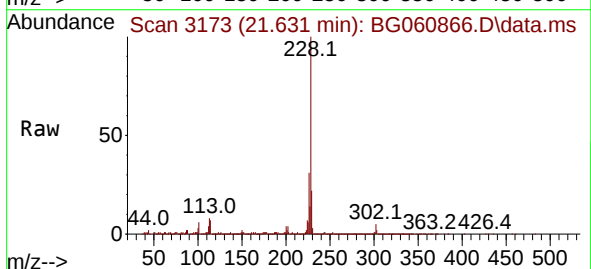
Tgt Ion:228 Resp: 607141

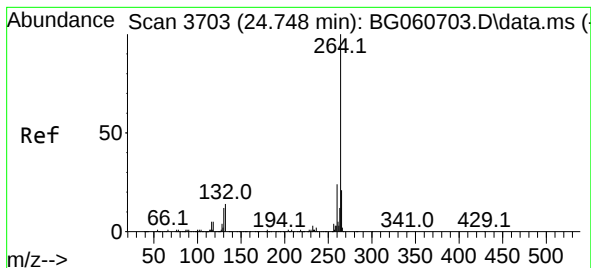
Ion Ratio Lower Upper

228 100

226 31.5 24.2 36.4

229 21.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.728 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

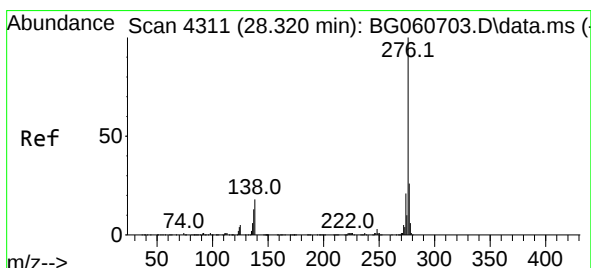
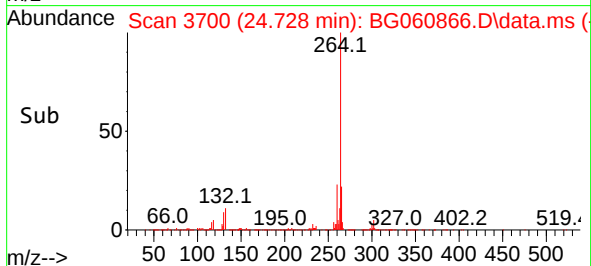
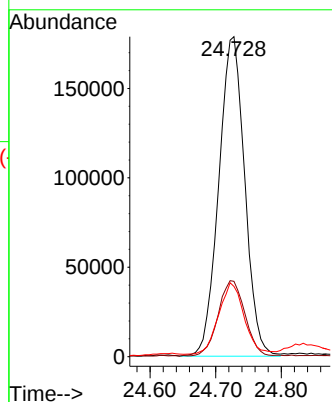
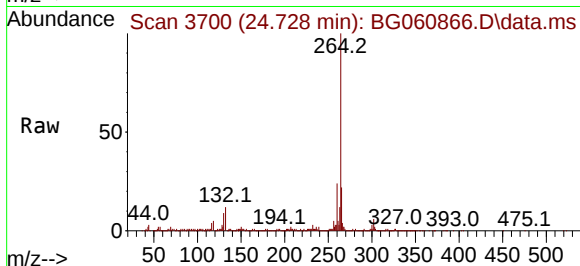
Tgt Ion:264 Resp: 490500

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.9 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.495 ng

RT: 28.282 min Scan# 4305

Delta R.T. -0.038 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

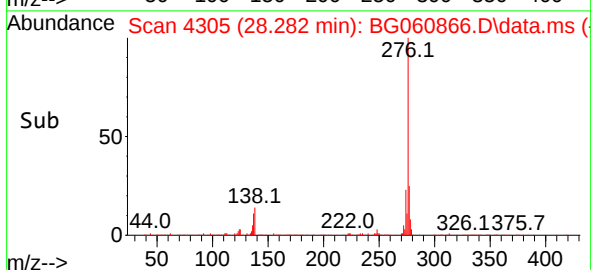
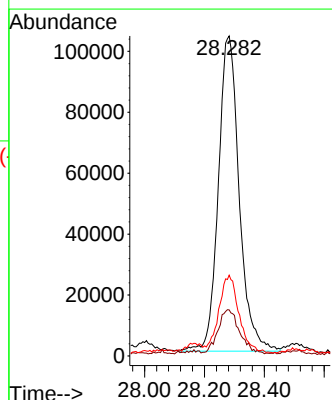
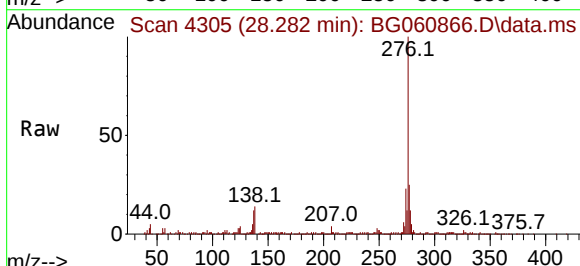
Tgt Ion:276 Resp: 500690

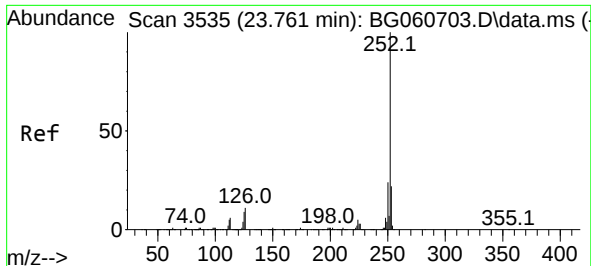
Ion Ratio Lower Upper

276 100

138 14.1 12.4 18.6

277 22.1 20.2 30.2

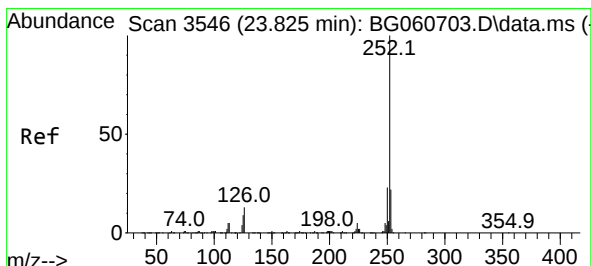
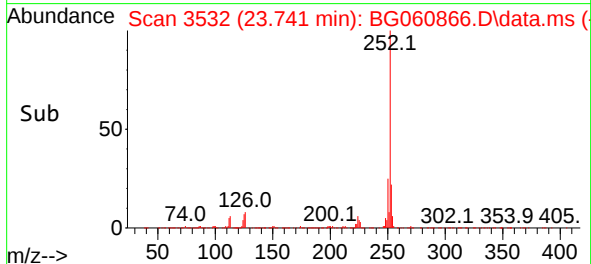
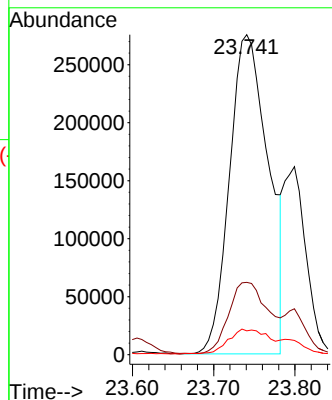
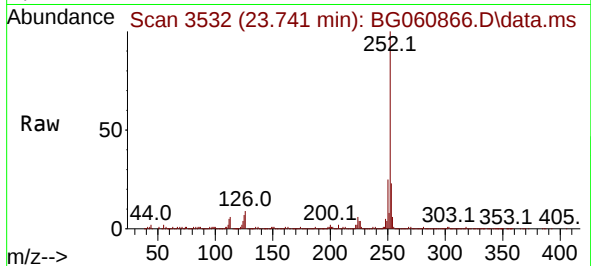




#88
Benzo(b)fluoranthene
Concen: 32.524 ng
RT: 23.741 min Scan# 3532
Delta R.T. -0.020 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

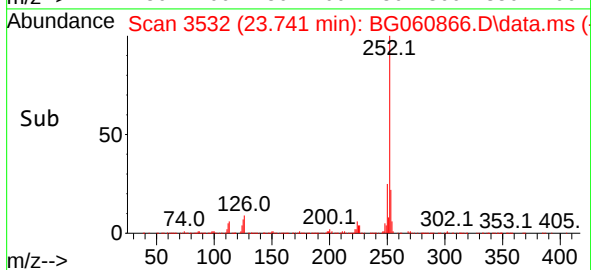
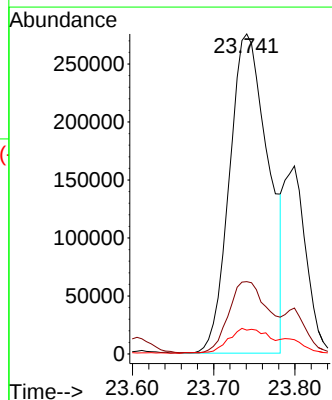
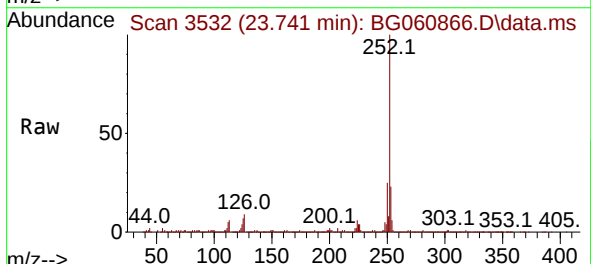
Instrument :
BNA_G
ClientSampleId :
TP-3

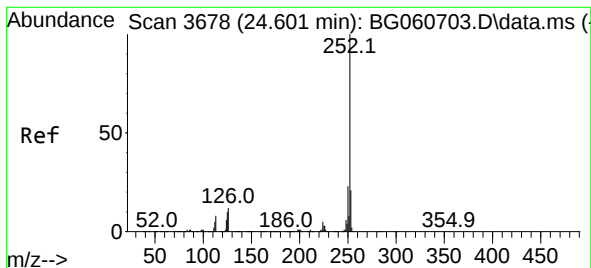
Tgt Ion:252 Resp: 916503
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 7.5 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 31.776 ng
RT: 23.741 min Scan# 3532
Delta R.T. -0.085 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Tgt Ion:252 Resp: 916503
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 7.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 23.006 ng

RT: 24.581 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

Instrument :

BNA_G

ClientSampleId :

TP-3

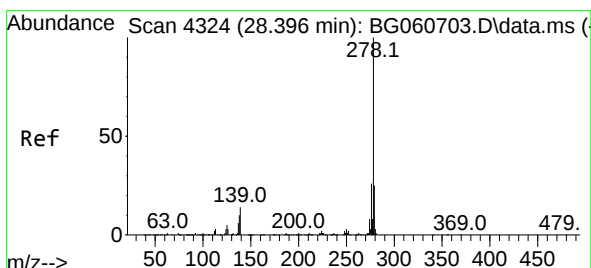
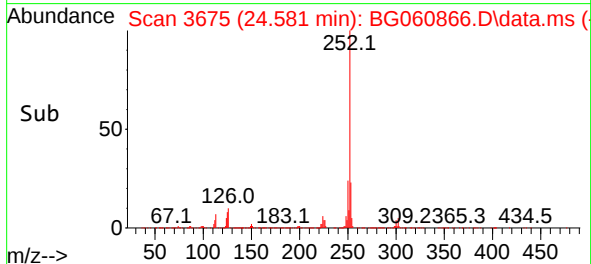
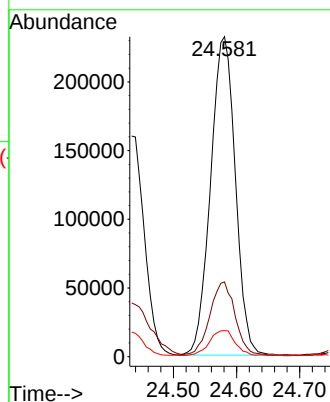
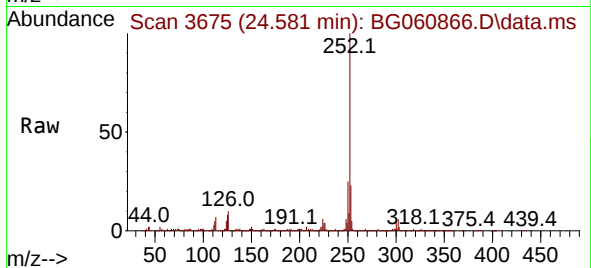
Tgt Ion:252 Resp: 630024

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

125 8.2 7.6 11.4



#91

Dibenzo(a,h)anthracene

Concen: 4.083 ng

RT: 28.329 min Scan# 4313

Delta R.T. -0.067 min

Lab File: BG060866.D

Acq: 11 Apr 2024 19:37

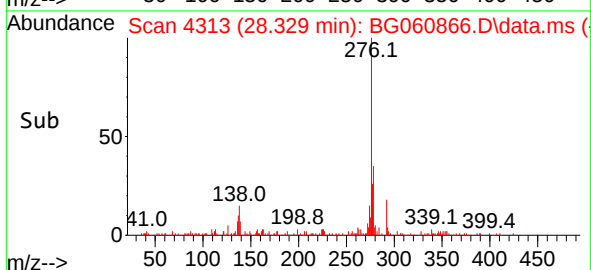
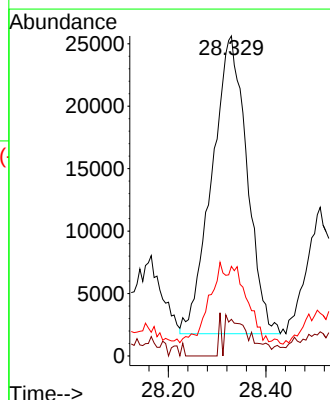
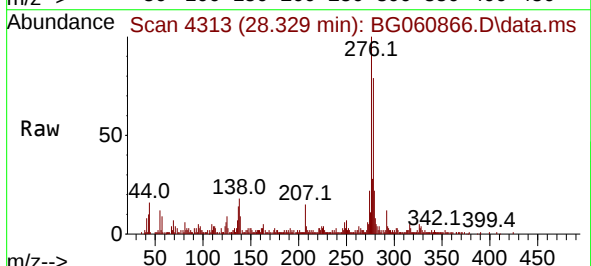
Tgt Ion:278 Resp: 118876

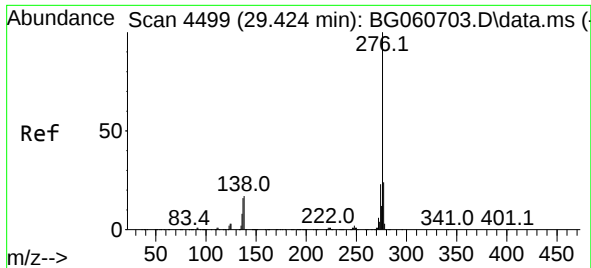
Ion Ratio Lower Upper

278 100

139 11.4 11.1 16.7

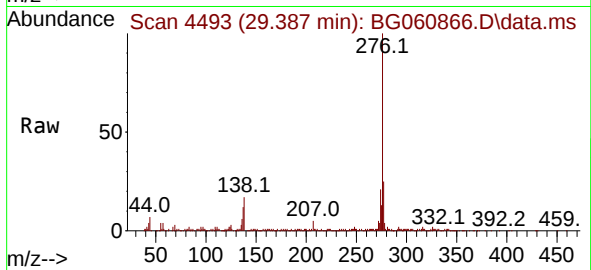
279 28.0 19.8 29.6





#92
Benzo(g,h,i)perylene
Concen: 16.352 ng
RT: 29.387 min Scan# 4493
Delta R.T. -0.038 min
Lab File: BG060866.D
Acq: 11 Apr 2024 19:37

Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:276 Resp: 463149
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 17.5 14.0 21.0

