

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060959.D
 Acq On : 19 Apr 2024 14:52
 Operator : MA/JU
 Sample : P2187-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 19 15:40:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

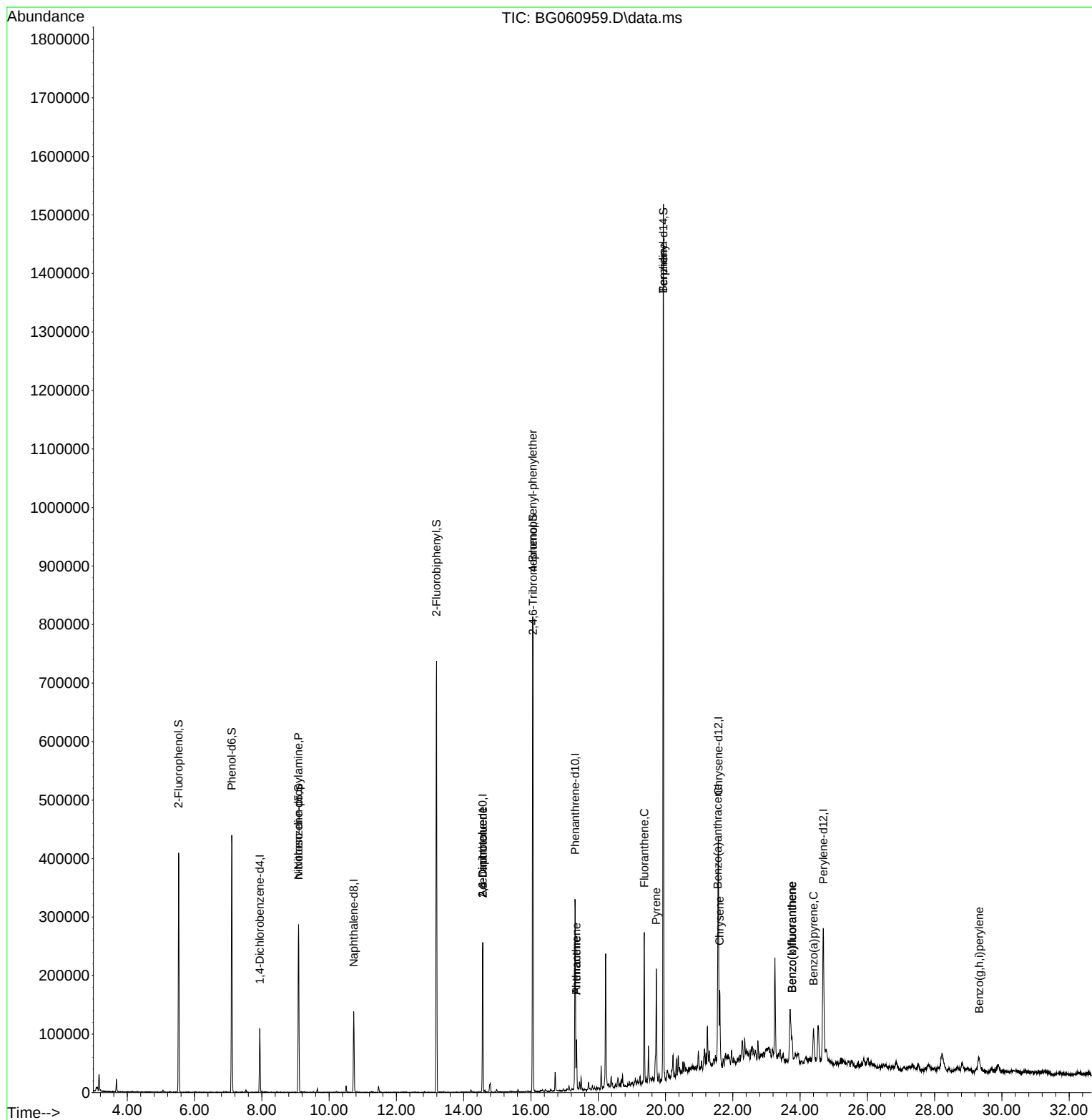
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	26775	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	106600	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	90853	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	214620	20.000	ng	# 0.00
76) Chrysene-d12	21.572	240	209731	20.000	ng	# 0.00
86) Perylene-d12	24.692	264	248365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	142014	92.129	ng	0.00
7) Phenol-d6	7.106	99	200003	90.066	ng	0.00
23) Nitrobenzene-d5	9.092	82	146305	62.307	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	172256	114.767	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	385675	62.294	ng	0.00
79) Terphenyl-d14	19.938	244	769552	64.037	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.092	70	21501	12.712	ng	# 71
51) 2,6-Dinitrotoluene	14.568	165	11876	8.082	ng	# 20
57) 2,4-Dinitrotoluene	14.568	165	11876	5.656	ng	# 22
67) 4-Bromophenyl-phenylether	16.055	248	10895	4.532	ng	# 1
71) Phenanthrene	17.353	178	53150	4.893	ng	98
72) Anthracene	17.353	178	53150	4.763	ng	97
75) Fluoranthene	19.369	202	151491	10.956	ng	97
77) Benzidine	19.933	184	12901	2.789	ng	# 94
78) Pyrene	19.727	202	128193	8.910	ng	99
81) Benzo(a)anthracene	21.554	228	79255	5.351	ng	97
83) Chrysene	21.613	228	96025	6.791	ng	96
88) Benzo(b)fluoranthene	23.763	252	37180	2.646	ng	97
89) Benzo(k)fluoranthene	23.763	252	37180	2.586	ng	95
90) Benzo(a)pyrene	24.404	252	59762	4.314	ng	98
92) Benzo(g,h,i)perylene	29.327	276	48252	3.491	ng	# 86

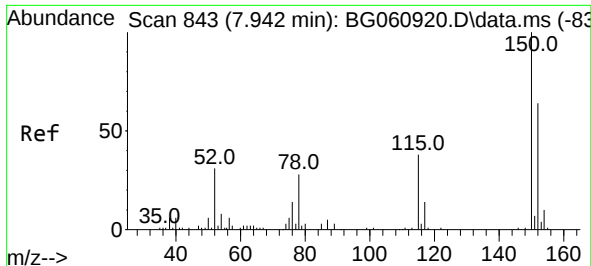
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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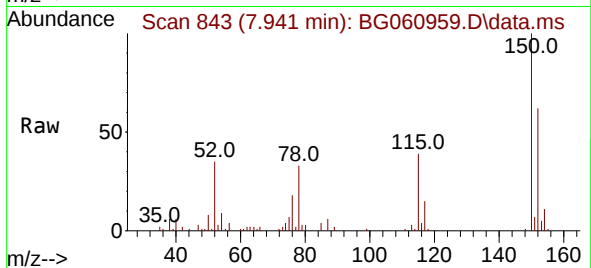
Quant Time: Apr 19 15:40:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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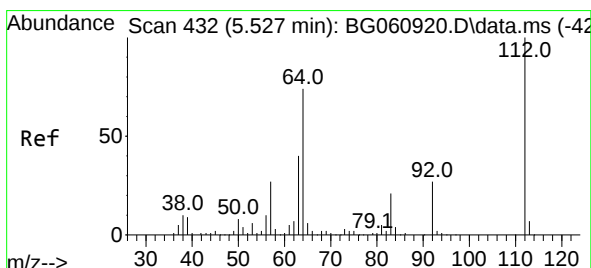
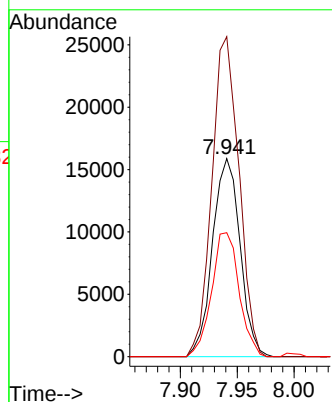
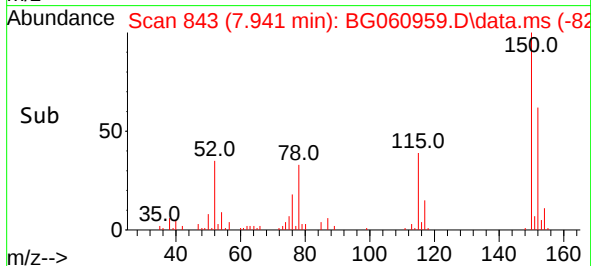


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

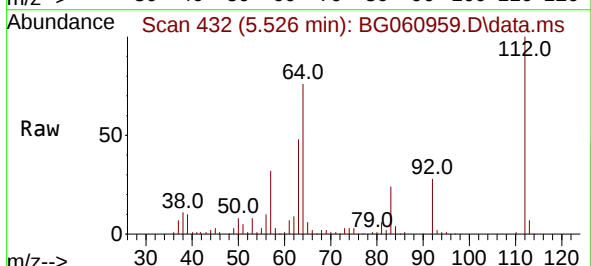
Instrument :
BNA_G
ClientSampleId :



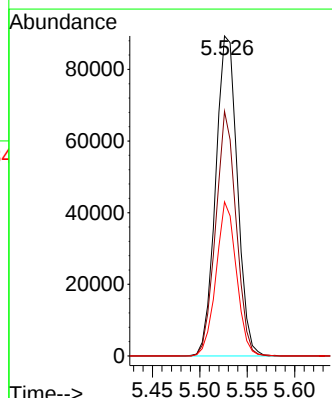
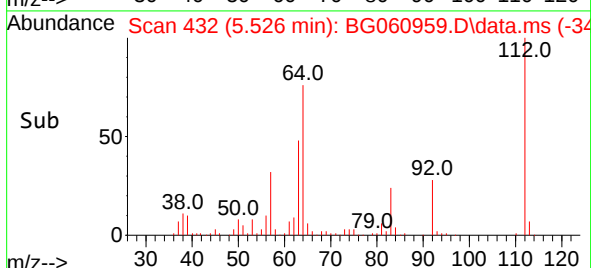
Tgt Ion:152 Resp: 26775
Ion Ratio Lower Upper
152 100
150 161.6 125.6 188.4
115 62.6 47.1 70.7

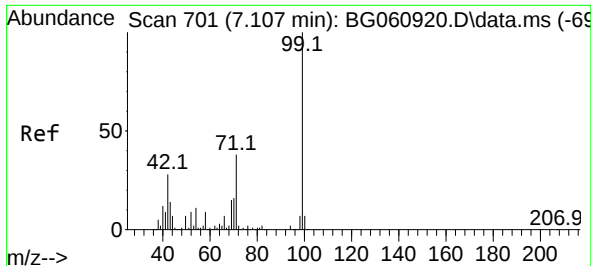


#5
2-Fluorophenol
Concen: 92.129 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



Tgt Ion:112 Resp: 142014
Ion Ratio Lower Upper
112 100
64 76.5 58.9 88.3
63 48.2 32.1 48.1#

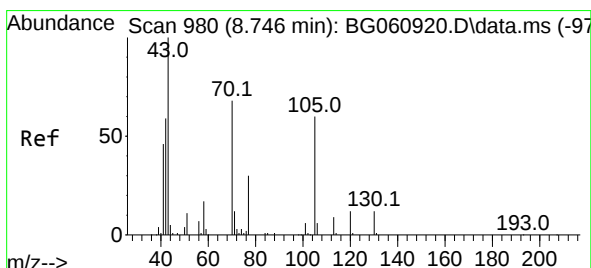
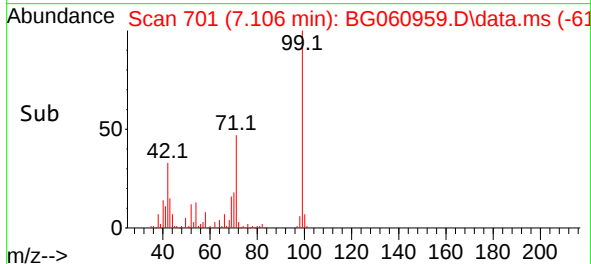
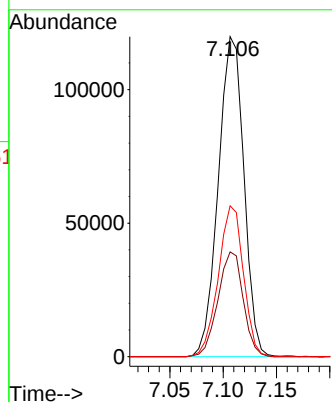
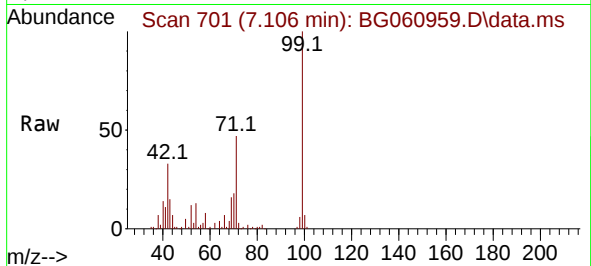




#7
Phenol-d6
Concen: 90.066 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

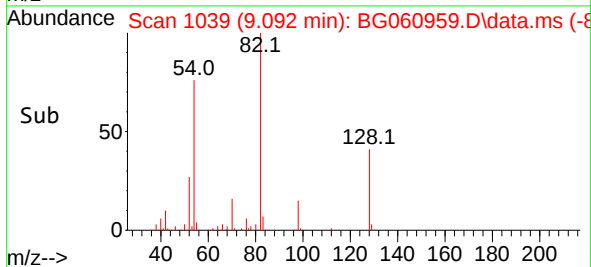
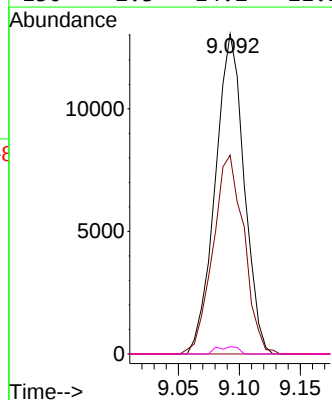
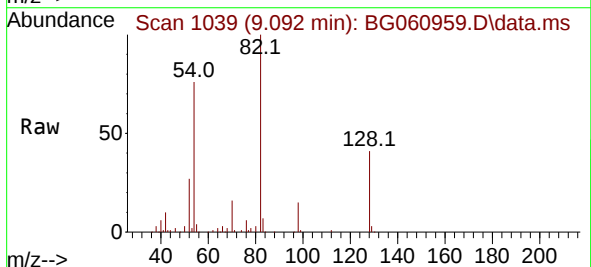
Instrument :
BNA_G
ClientSampleId :

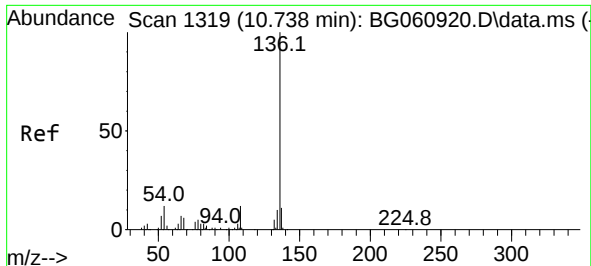
Tgt Ion: 99 Resp: 200003
Ion Ratio Lower Upper
99 100
42 32.8 22.2 33.2
71 47.1 30.5 45.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.712 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.346 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

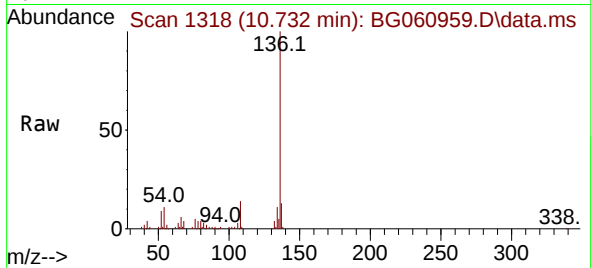
Tgt Ion: 70 Resp: 21501
Ion Ratio Lower Upper
70 100
42 62.1 70.9 106.3#
101 0.0 7.0 10.4#
130 2.3 14.2 21.2#



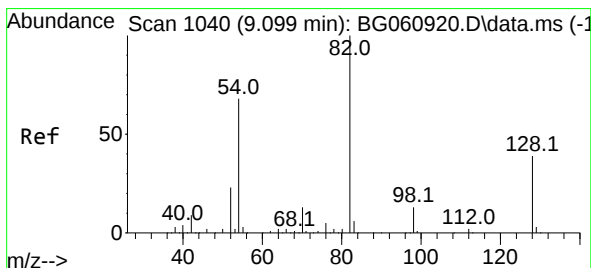
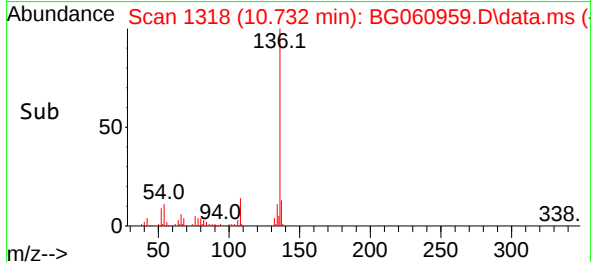
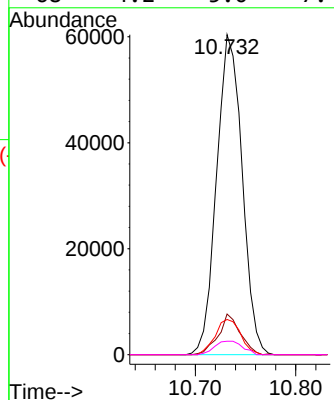


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

Instrument :
BNA_G
ClientSampleId :

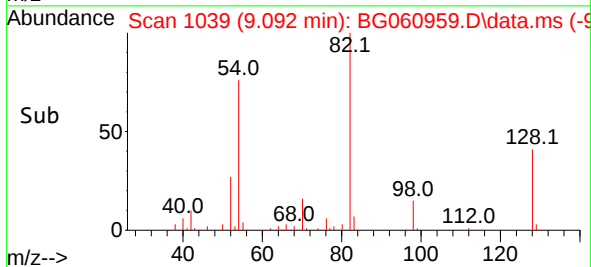
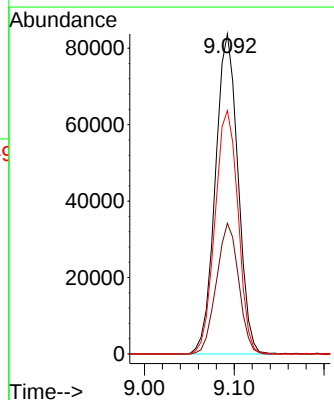
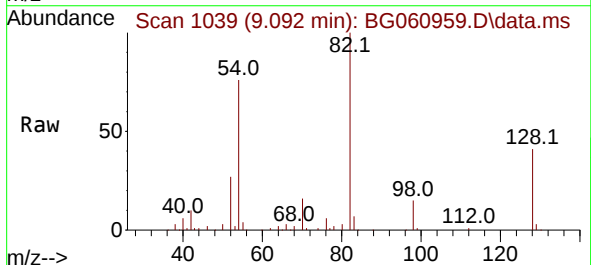


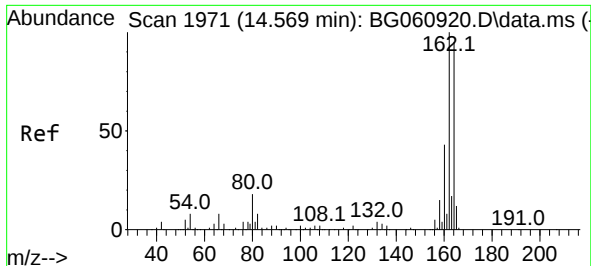
Tgt Ion:136 Resp: 106600
Ion Ratio Lower Upper
136 100
137 12.7 8.8 13.2
54 11.0 9.8 14.8
68 4.2 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 62.307 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.007 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

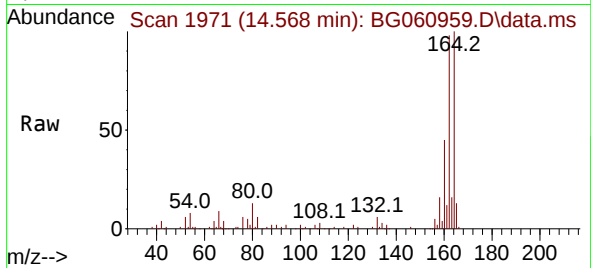
Tgt Ion: 82 Resp: 146305
Ion Ratio Lower Upper
82 100
128 40.8 31.4 47.0
54 76.1 54.2 81.4



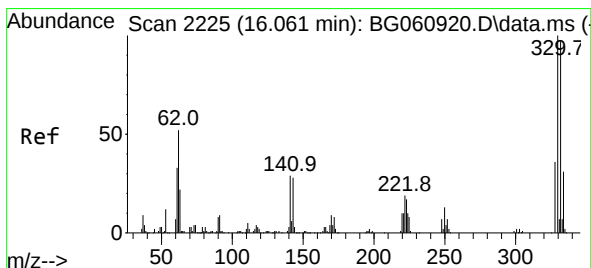
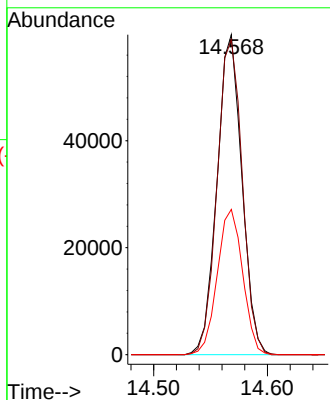
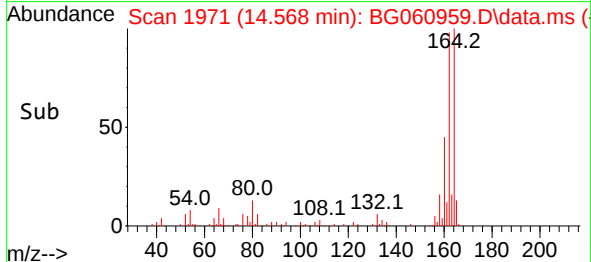


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

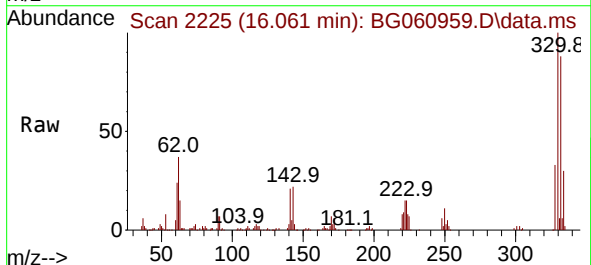
Instrument :
BNA_G
ClientSampleId :



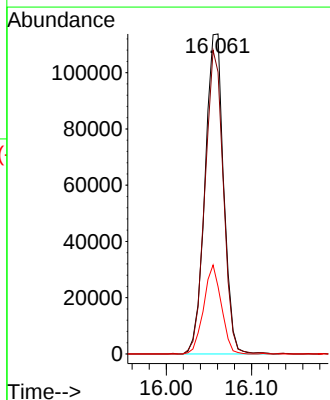
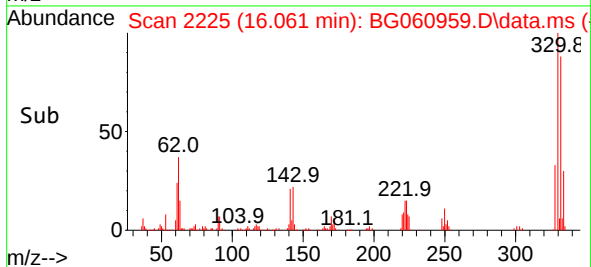
Tgt Ion:164 Resp: 90853
Ion Ratio Lower Upper
164 100
162 98.5 84.1 126.1
160 45.4 35.9 53.9

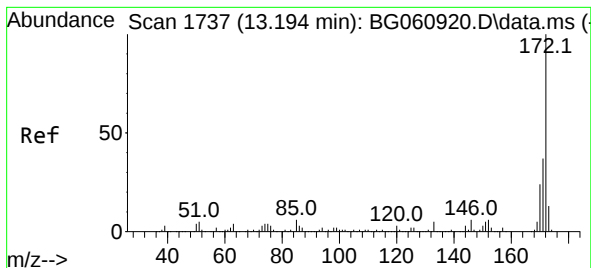


#42
2,4,6-Tribromophenol
Concen: 114.767 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



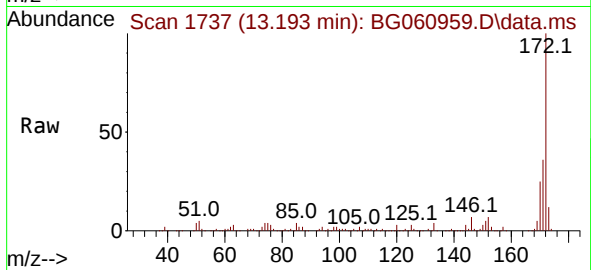
Tgt Ion:330 Resp: 172256
Ion Ratio Lower Upper
330 100
332 93.6 76.9 115.3
141 26.3 23.7 35.5



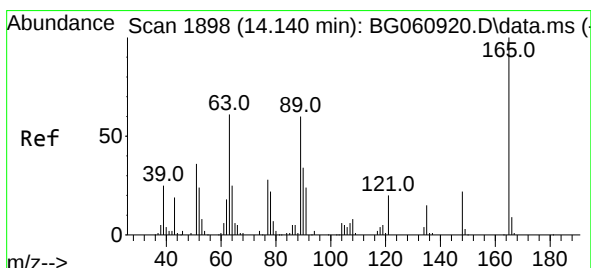
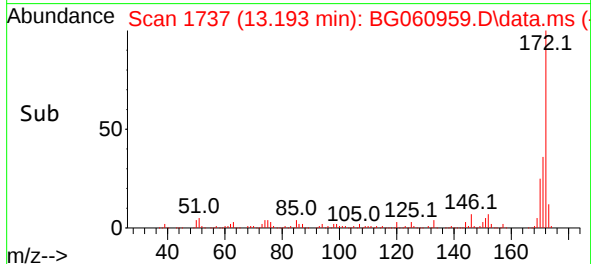
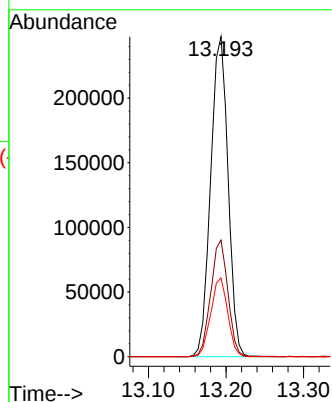


#45
2-Fluorobiphenyl
Concen: 62.294 ng
RT: 13.193 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

Instrument :
BNA_G
ClientSampleId :

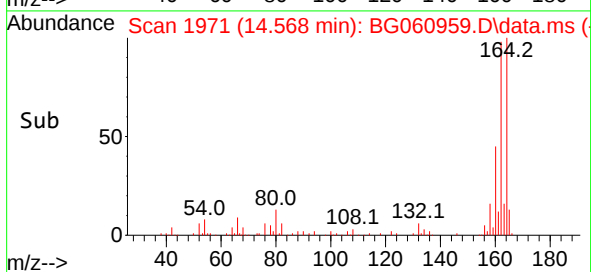
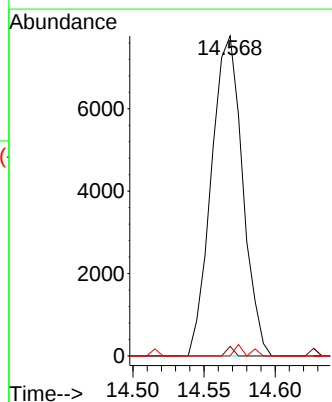
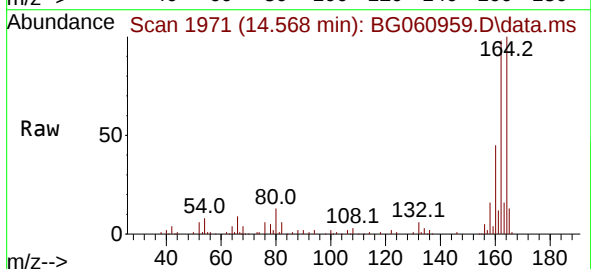


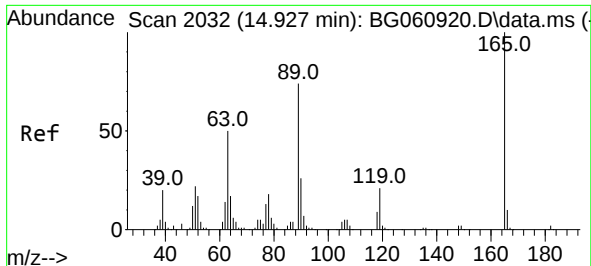
Tgt Ion:172 Resp: 385675
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.082 ng
RT: 14.568 min Scan# 1971
Delta R.T. 0.428 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

Tgt Ion:165 Resp: 11876
Ion Ratio Lower Upper
165 100
63 3.0 53.8 80.8#
89 0.0 48.2 72.4#





#57

2,4-Dinitrotoluene

Concen: 5.656 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.359 min

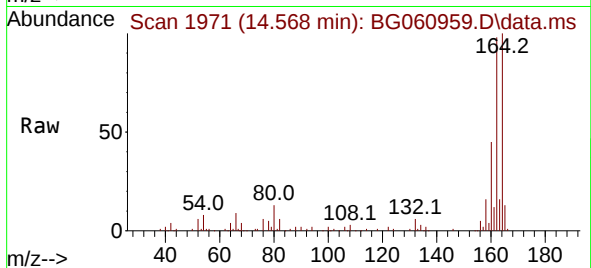
Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 11876

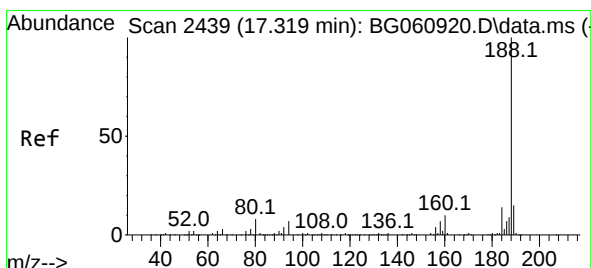
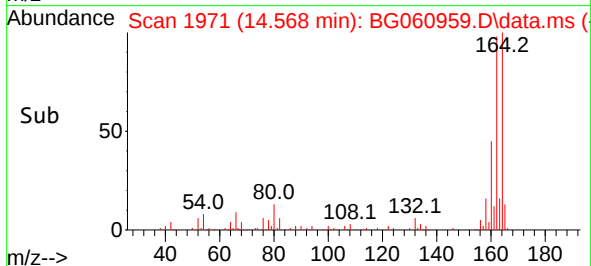
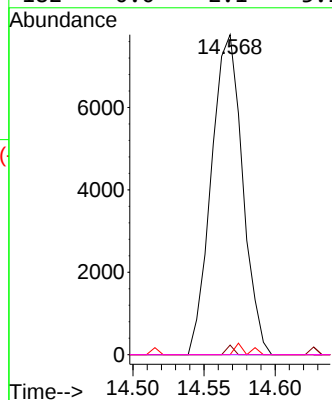
Ion Ratio Lower Upper

165 100

63 3.0 40.2 60.2#

89 0.0 59.0 88.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

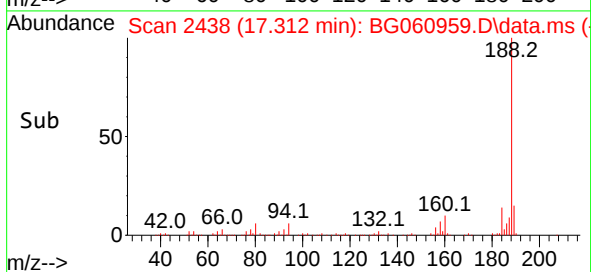
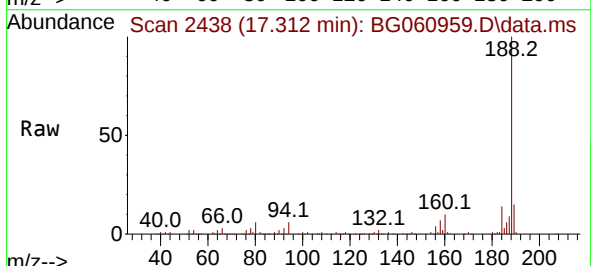
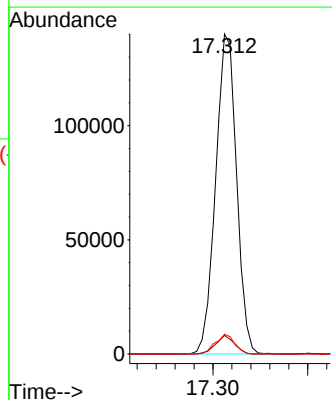
Tgt Ion:188 Resp: 214620

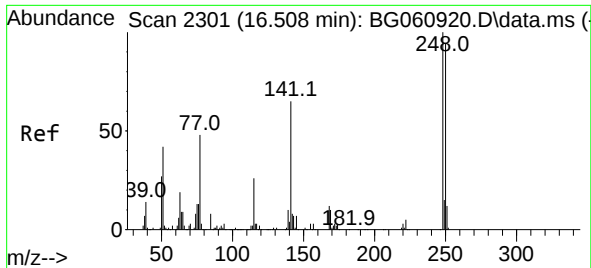
Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

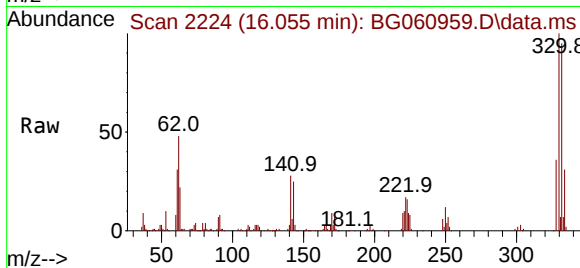
80 6.1 6.6 9.8#



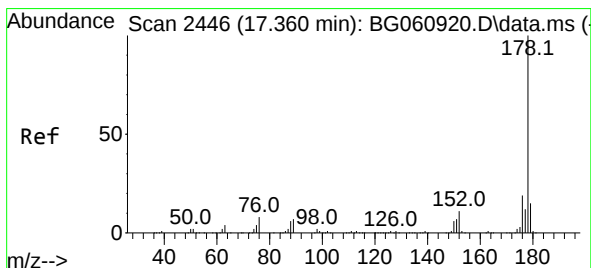
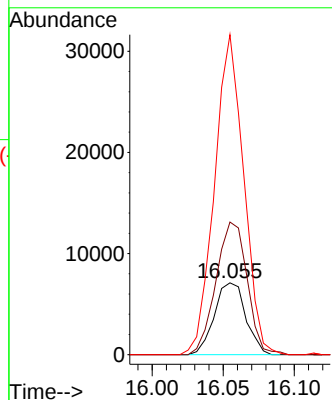
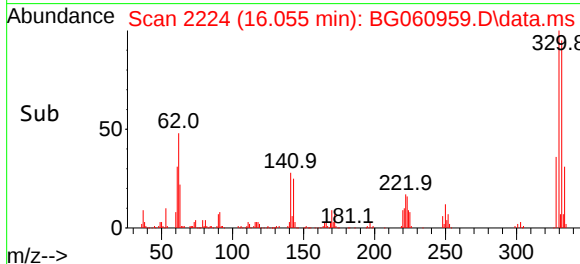


#67
4-Bromophenyl-phenylether
Concen: 4.532 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

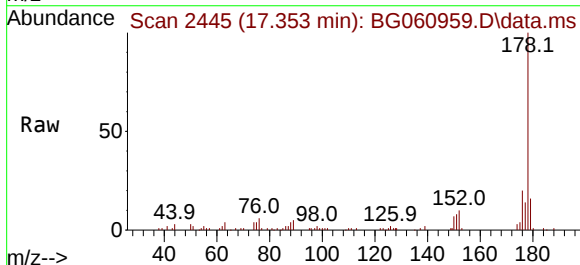
Instrument :
BNA_G
ClientSampleId :



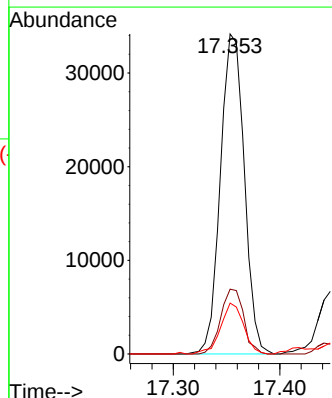
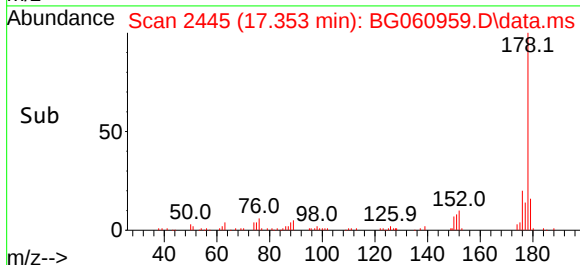
Tgt Ion:248 Resp: 10895
Ion Ratio Lower Upper
248 100
250 184.7 75.4 113.2#
141 445.8 52.2 78.2#

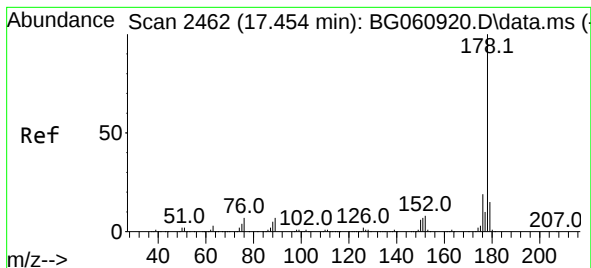


#71
Phenanthrene
Concen: 4.893 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52



Tgt Ion:178 Resp: 53150
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.2
179 15.9 12.0 18.0





#72

Anthracene

Concen: 4.763 ng

RT: 17.353 min Scan# 24

Delta R.T. -0.101 min

Lab File: BG060959.D

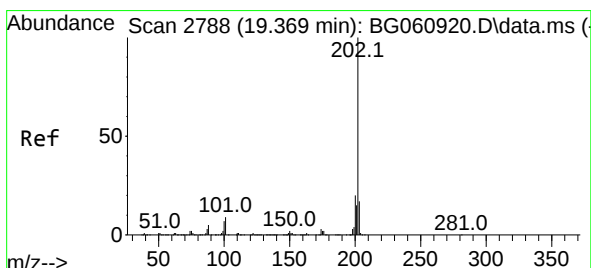
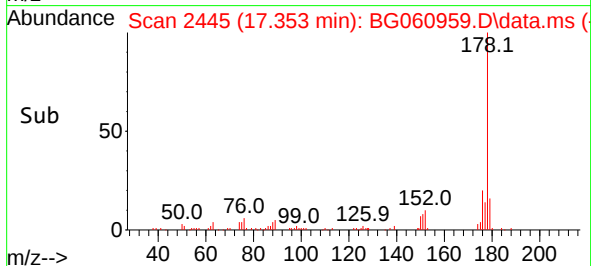
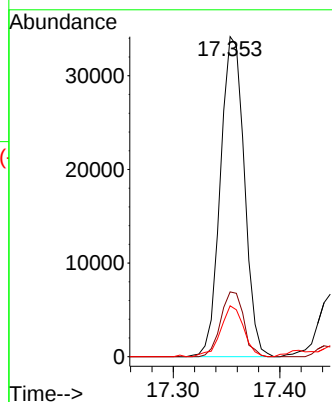
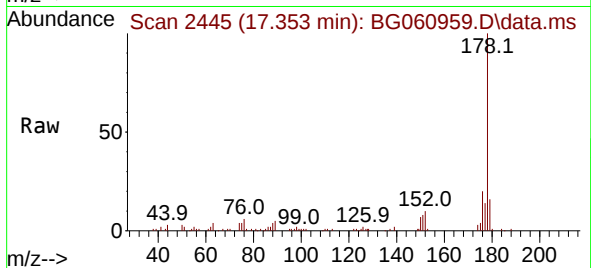
Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:178	Resp:	53150
Ion Ratio	Lower	Upper
178	100	
176	20.3	15.0 22.4
179	15.9	11.6 17.4



#75

Fluoranthene

Concen: 10.956 ng

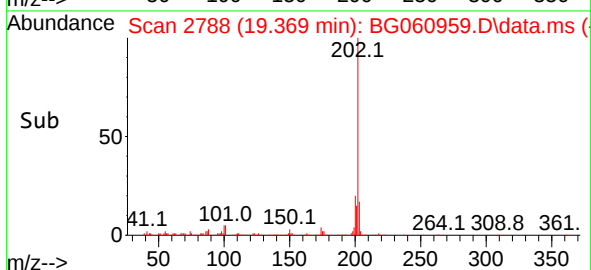
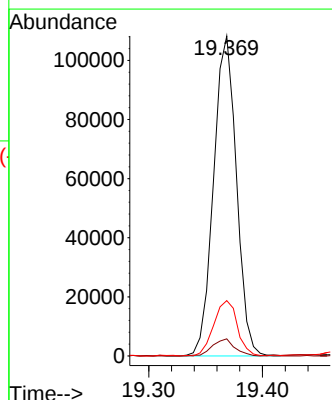
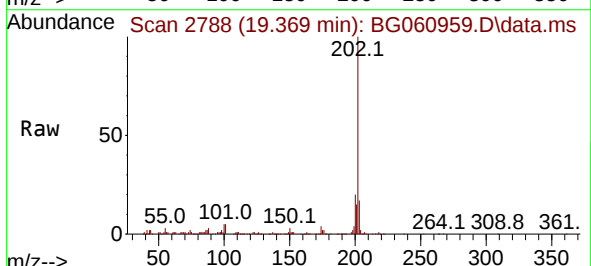
RT: 19.369 min Scan# 2788

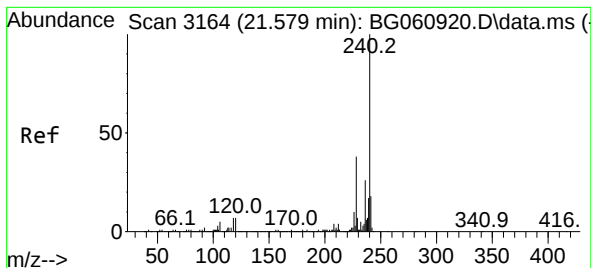
Delta R.T. -0.001 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Tgt Ion:202	Resp:	151491
Ion Ratio	Lower	Upper
202	100	
101	5.4	0.0 28.6
203	17.3	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

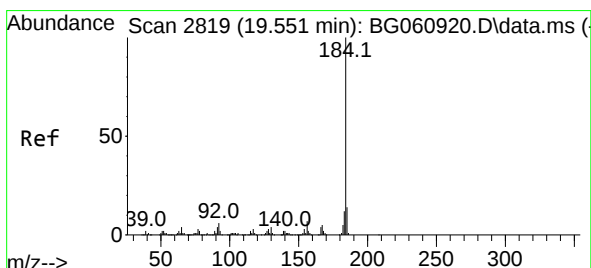
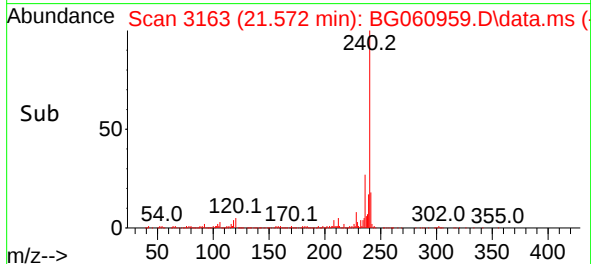
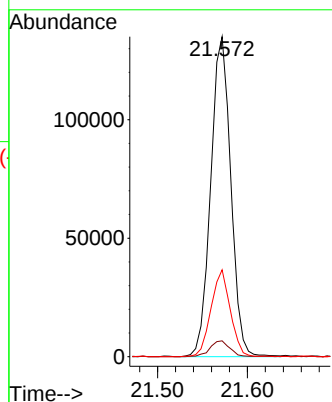
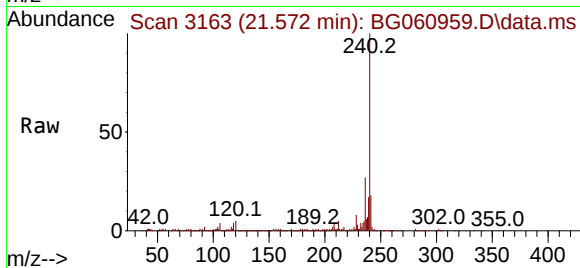
Tgt Ion:240 Resp: 209731

Ion Ratio Lower Upper

240 100

120 4.9 5.7 8.5#

236 27.2 21.1 31.7



#77

Benzidine

Concen: 2.789 ng

RT: 19.933 min Scan# 2884

Delta R.T. 0.381 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

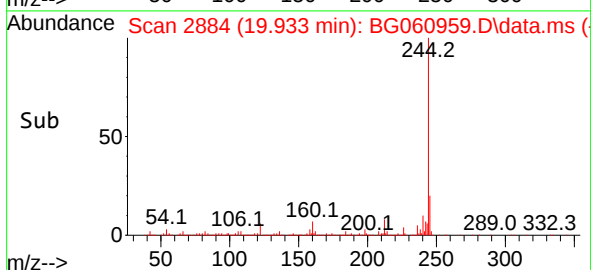
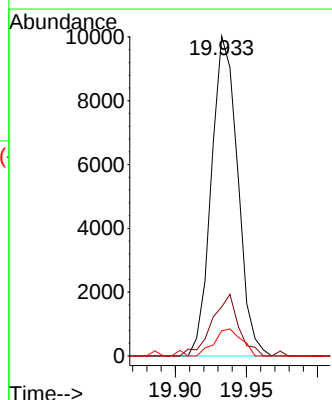
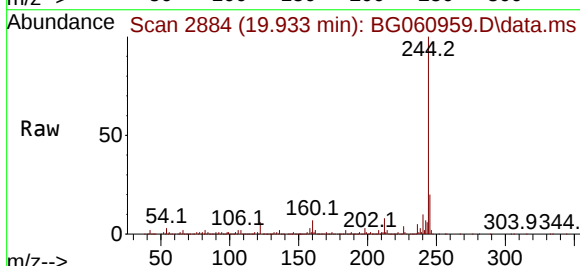
Tgt Ion:184 Resp: 12901

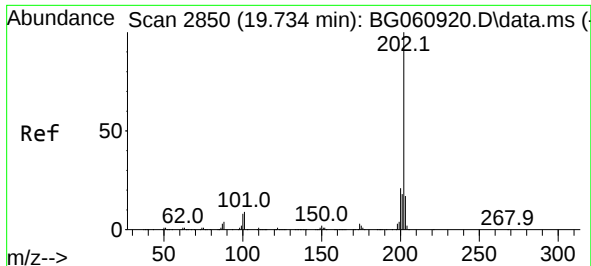
Ion Ratio Lower Upper

184 100

185 15.3 11.4 17.0

183 7.8 9.4 14.2#

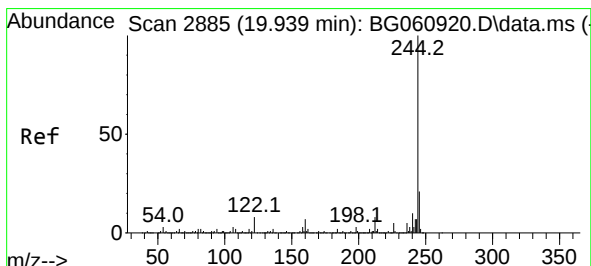
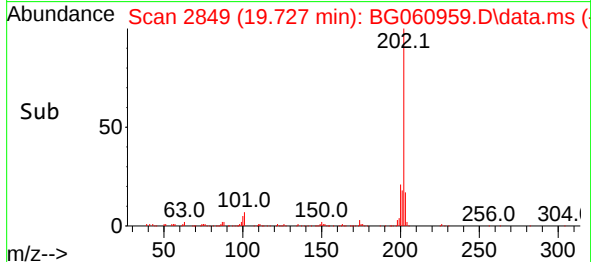
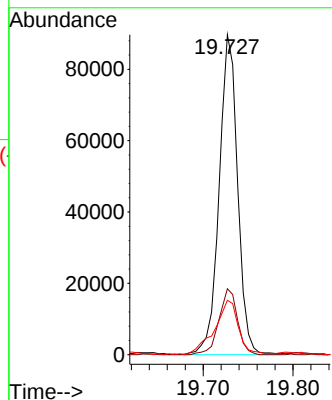
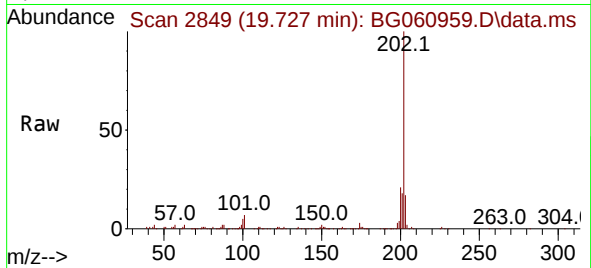




#78
Pyrene
Concen: 8.910 ng
RT: 19.727 min Scan# 2849
Delta R.T. -0.007 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

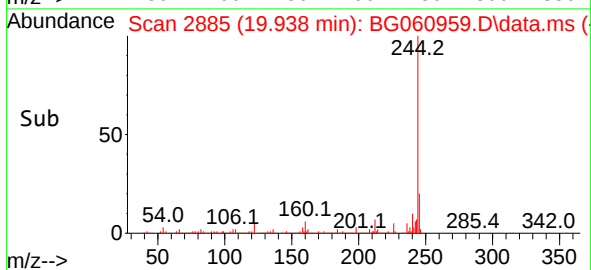
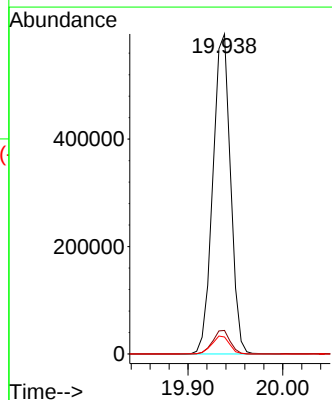
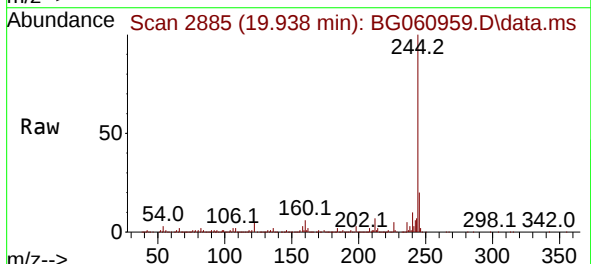
Instrument :
BNA_G
ClientSampleId :

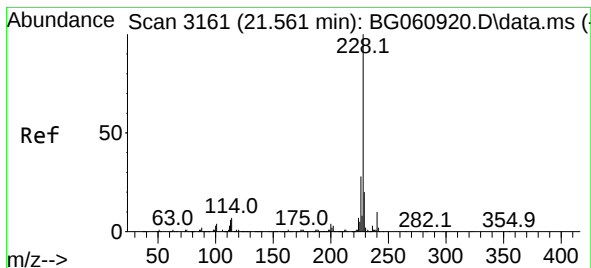
Tgt Ion:202 Resp: 128193
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 17.0 13.8 20.8



#79
Terphenyl-d14
Concen: 64.037 ng
RT: 19.938 min Scan# 2885
Delta R.T. -0.001 min
Lab File: BG060959.D
Acq: 19 Apr 2024 14:52

Tgt Ion:244 Resp: 769552
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 5.3 6.6 9.8#





#81

Benzo(a)anthracene

Concen: 5.351 ng

RT: 21.554 min Scan# 3160

Delta R.T. -0.007 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :

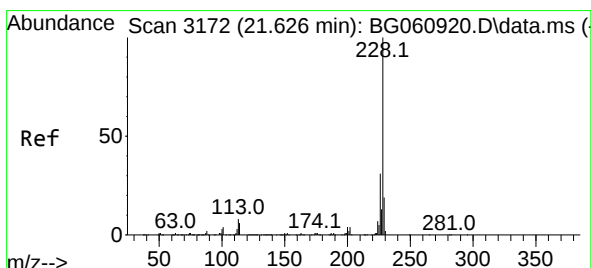
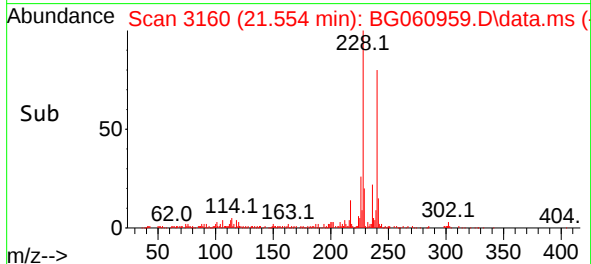
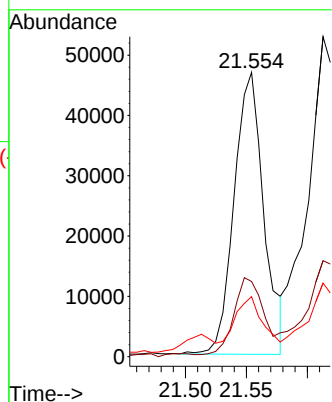
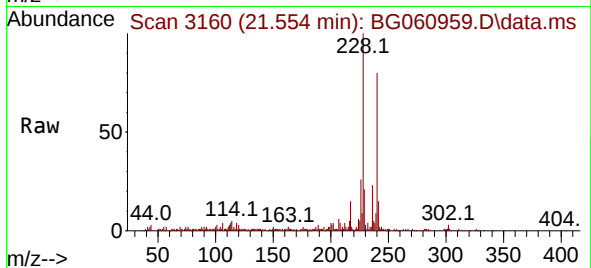
Tgt Ion:228 Resp: 79255

Ion Ratio Lower Upper

228 100

226 26.5 22.0 33.0

229 21.1 15.6 23.4



#83

Chrysene

Concen: 6.791 ng

RT: 21.613 min Scan# 3170

Delta R.T. -0.013 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

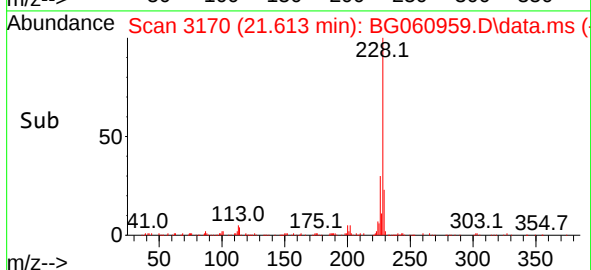
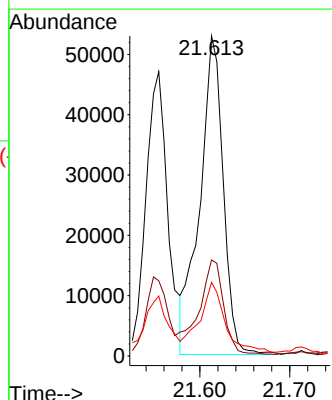
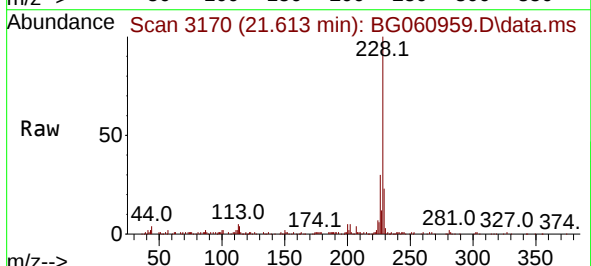
Tgt Ion:228 Resp: 96025

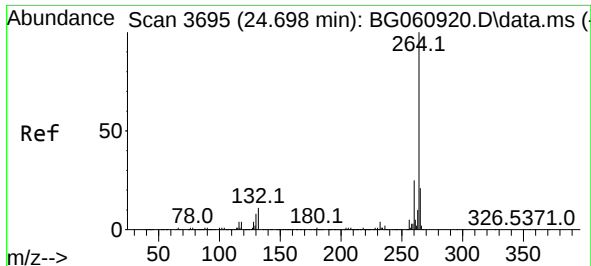
Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

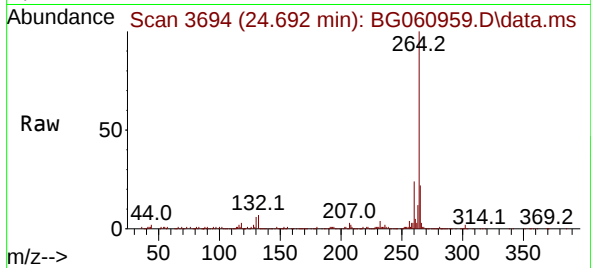
229 23.0 15.6 23.4



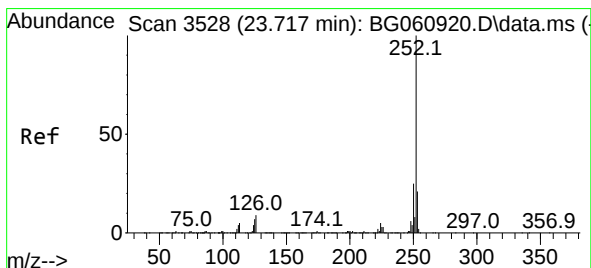
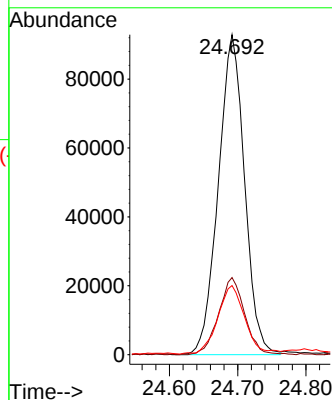
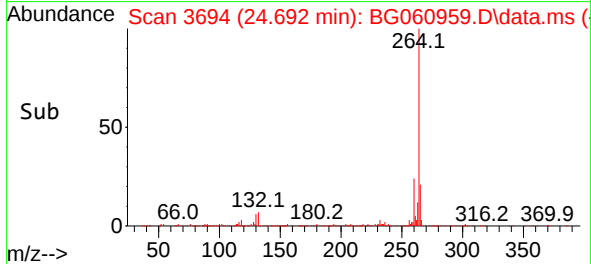


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.692 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BG060959.D
 Acq: 19 Apr 2024 14:52

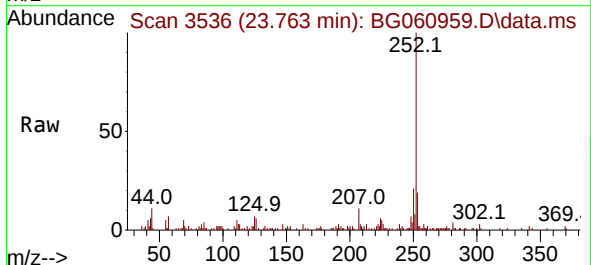
Instrument :
 BNA_G
 ClientSampleId :



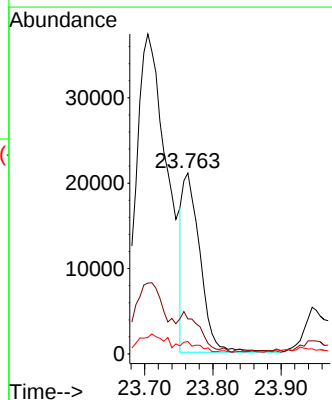
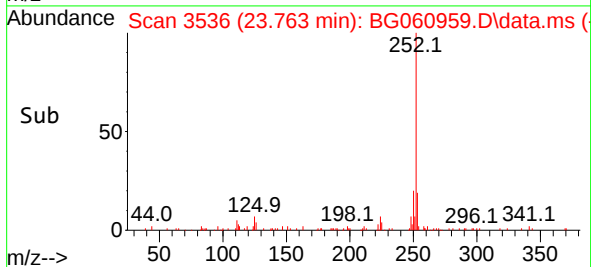
Tgt Ion:264 Resp: 248365
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.6 29.4
 265 21.6 16.6 25.0

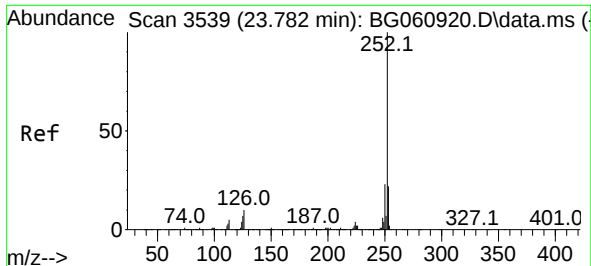


#88
 Benzo(b)fluoranthene
 Concen: 2.646 ng
 RT: 23.763 min Scan# 3536
 Delta R.T. 0.046 min
 Lab File: BG060959.D
 Acq: 19 Apr 2024 14:52



Tgt Ion:252 Resp: 37180
 Ion Ratio Lower Upper
 252 100
 253 19.4 16.8 25.2
 125 6.9 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 2.586 ng

RT: 23.763 min Scan# 3

Delta R.T. -0.018 min

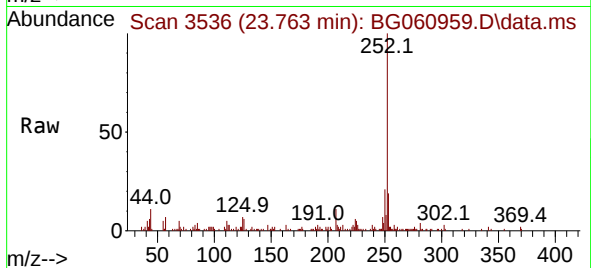
Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

Instrument :

BNA_G

ClientSampleId :



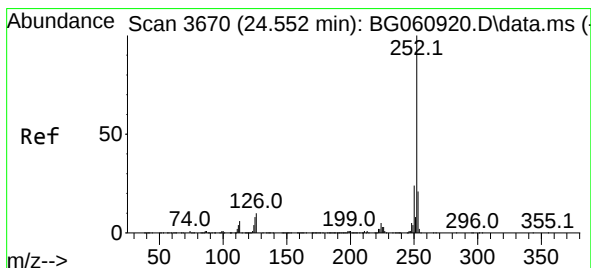
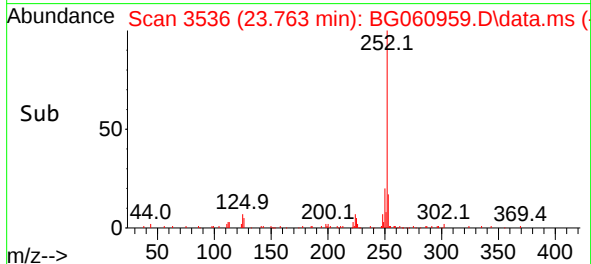
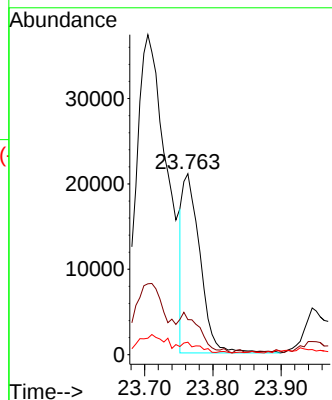
Tgt Ion:252 Resp: 37180

Ion Ratio Lower Upper

252 100

253 19.4 17.9 26.9

125 6.9 5.8 8.8



#90

Benzo(a)pyrene

Concen: 4.314 ng

RT: 24.404 min Scan# 3645

Delta R.T. -0.148 min

Lab File: BG060959.D

Acq: 19 Apr 2024 14:52

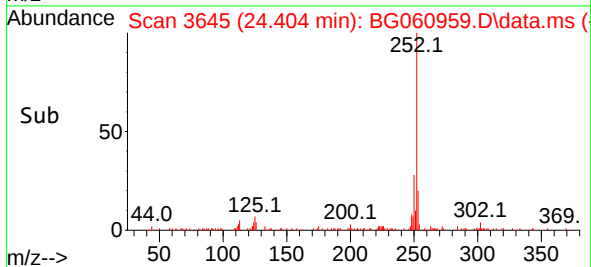
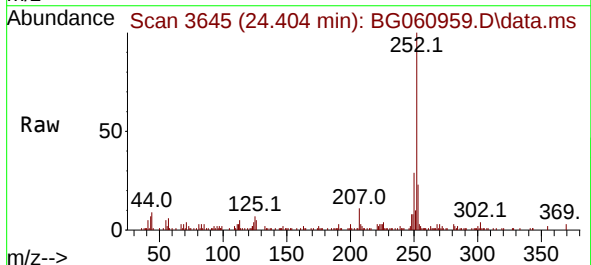
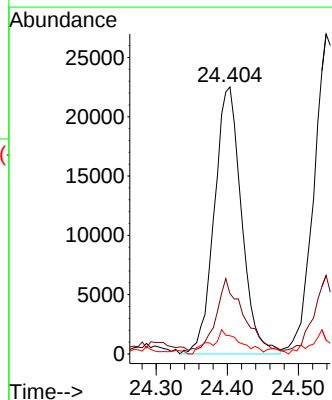
Tgt Ion:252 Resp: 59762

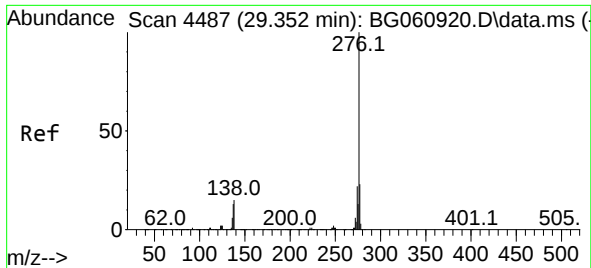
Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

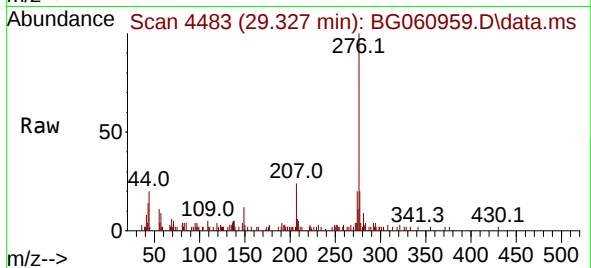
125 6.9 6.1 9.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.491 ng
 RT: 29.327 min Scan# 44
 Delta R.T. -0.024 min
 Lab File: BG060959.D
 Acq: 19 Apr 2024 14:52

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:276 Resp: 48252
 Ion Ratio Lower Upper
 276 100
 277 19.7 18.3 27.5
 138 5.2 12.2 18.4#

