

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061039.D
 Acq On : 25 Apr 2024 15:58
 Operator : MA/JU
 Sample : P2261-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-RBR200059

Quant Time: Apr 25 17:11:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

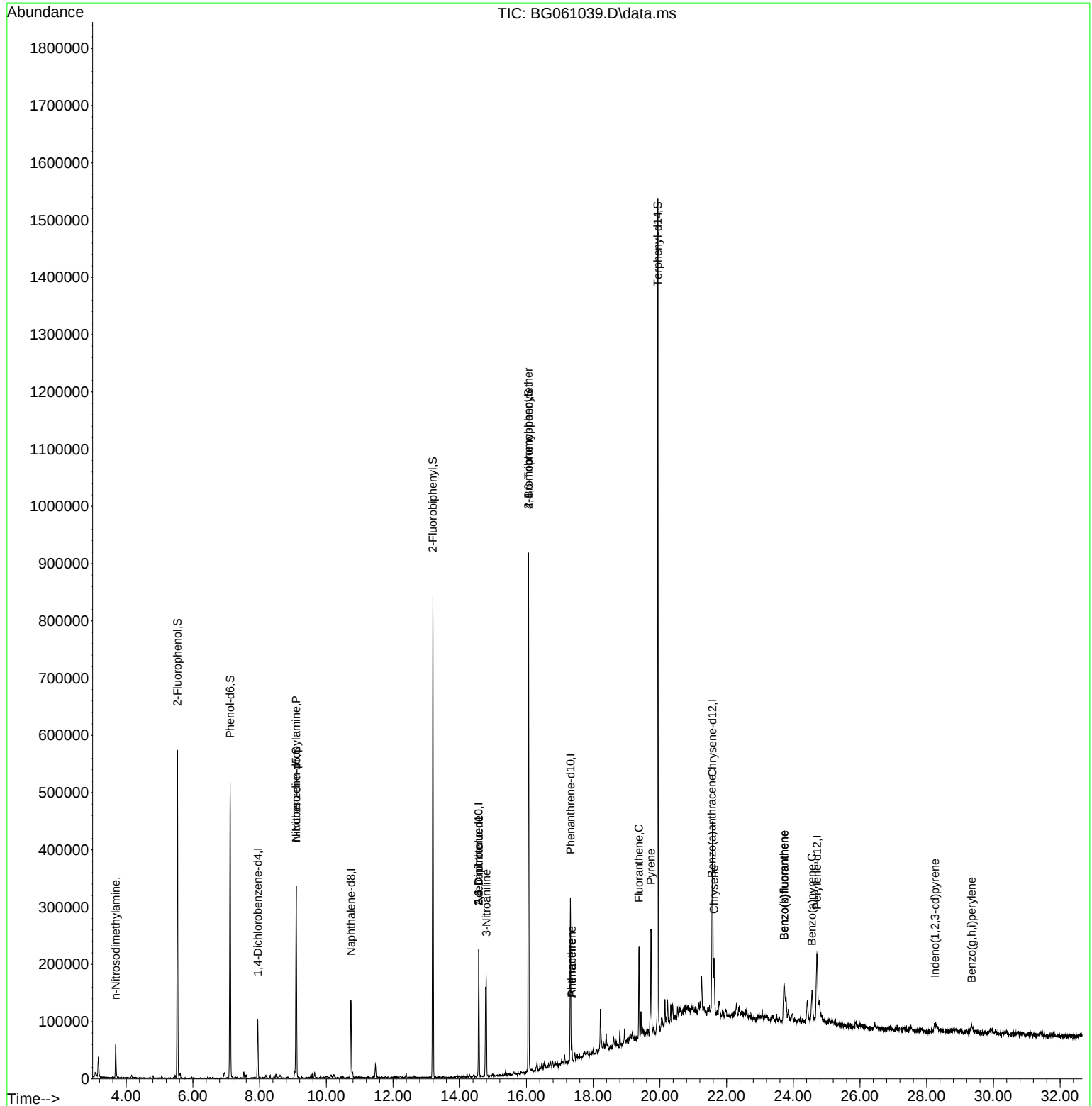
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	26537	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	104355	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	79569	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	180374	20.000	ng	0.00
76) Chrysene-d12	21.577	240	182413	20.000	ng	0.00
86) Perylene-d12	24.709	264	172049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	205802	156.870	ng	0.00
7) Phenol-d6	7.118	99	235477	120.972	ng	0.00
23) Nitrobenzene-d5	9.098	82	168584	72.582	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	200573	114.792	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	429872	74.771	ng	0.00
79) Terphenyl-d14	19.938	244	750919	63.899	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.687	42	2604	2.063	ng	# 1
19) n-Nitroso-di-n-propyla...	9.098	70	25349	17.474	ng	# 66
51) 2,6-Dinitrotoluene	14.568	165	10837	7.916	ng	# 17
53) 3-Nitroaniline	14.797	138	2803	2.076	ng	# 1
57) 2,4-Dinitrotoluene	14.568	165	10837	5.496	ng	# 21
67) 4-Bromophenyl-phenylether	16.060	248	13256	5.569	ng	# 1
71) Phenanthrene	17.359	178	22186	2.410	ng	97
72) Anthracene	17.359	178	22186	2.340	ng	95
75) Fluoranthene	19.374	202	104891	8.584	ng	96
78) Pyrene	19.733	202	125388	10.095	ng	97
81) Benzo(a)anthracene	21.560	228	80606	6.285	ng	# 95
83) Chrysene	21.624	228	74500	6.101	ng	95
87) Indeno(1,2,3-cd)pyrene	28.246	276	33549	2.811	ng	# 83
88) Benzo(b)fluoranthene	23.728	252	98824	10.136	ng	94
89) Benzo(k)fluoranthene	23.728	252	98824	10.041	ng	# 92
90) Benzo(a)pyrene	24.562	252	79948	8.472	ng	98
92) Benzo(g,h,i)perylene	29.351	276	25494	2.637	ng	# 97

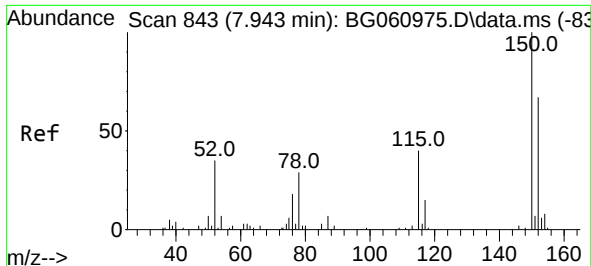
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
Data File : BG061039.D
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BNA_G
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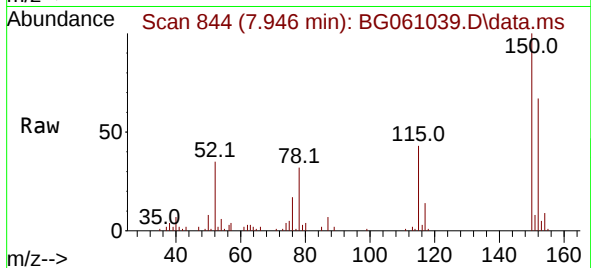
Quant Time: Apr 25 17:11:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
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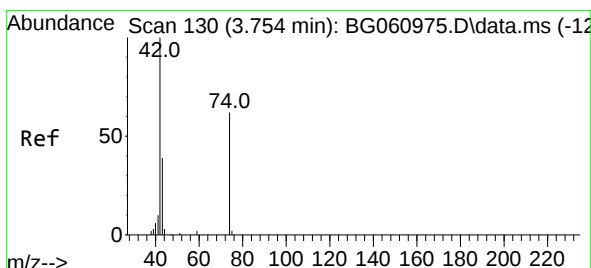
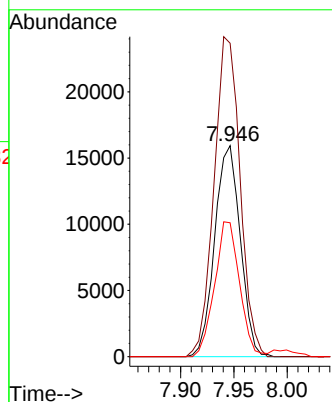
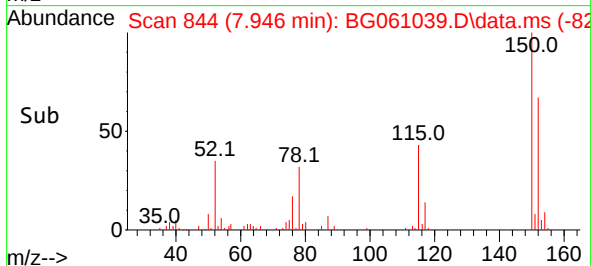


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

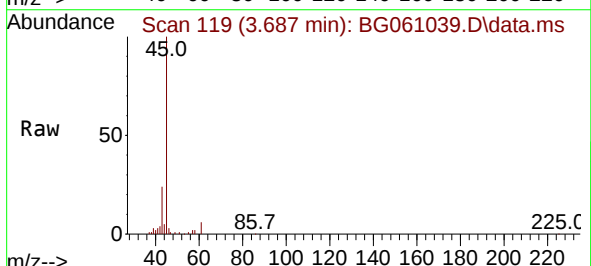
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059



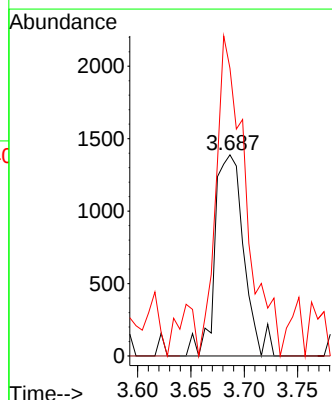
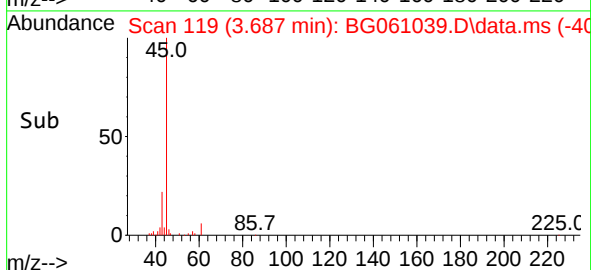
Tgt Ion:152 Resp: 26537
Ion Ratio Lower Upper
152 100
150 148.5 118.6 178.0
115 63.5 47.4 71.0

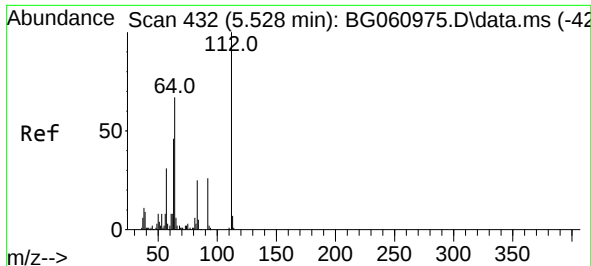


#4
n-Nitrosodimethylamine
Concen: 2.063 ng
RT: 3.687 min Scan# 119
Delta R.T. -0.067 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58



Tgt Ion: 42 Resp: 2604
Ion Ratio Lower Upper
42 100
74 0.0 49.8 74.6#
44 143.1 3.8 5.6#

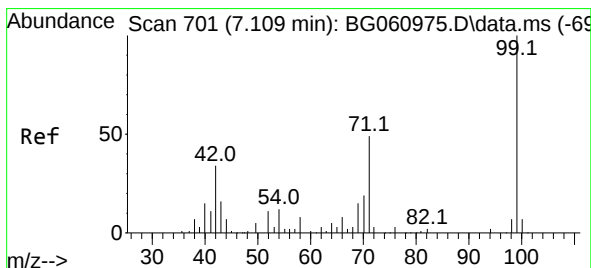
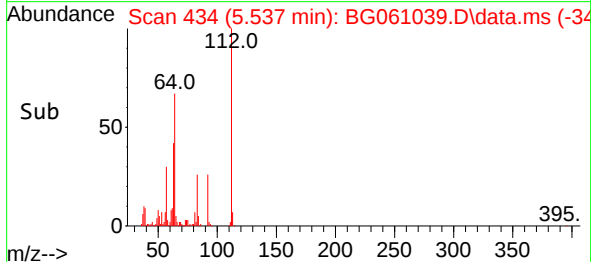
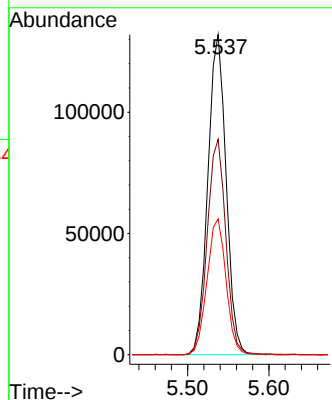
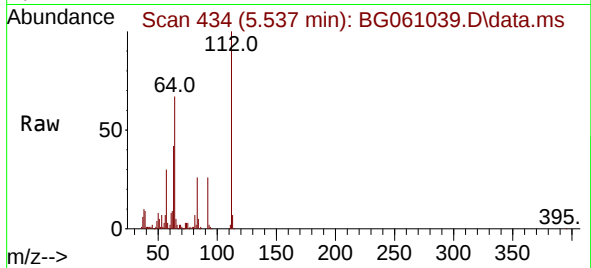




#5
2-Fluorophenol
Concen: 156.870 ng
RT: 5.537 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

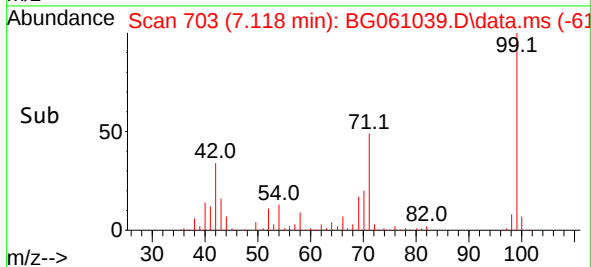
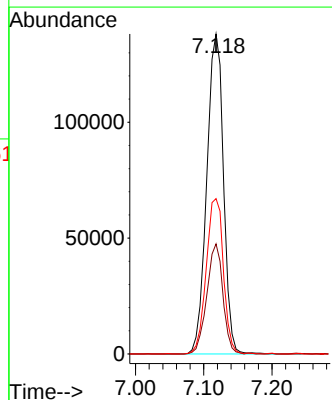
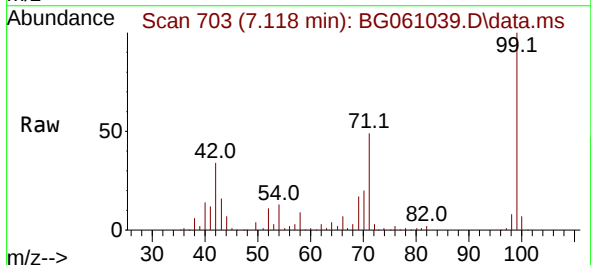
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

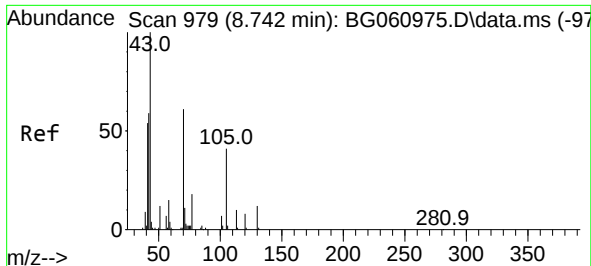
Tgt Ion:112 Resp: 205802
Ion Ratio Lower Upper
112 100
64 67.3 53.7 80.5
63 42.5 37.0 55.6



#7
Phenol-d6
Concen: 120.972 ng
RT: 7.118 min Scan# 703
Delta R.T. 0.009 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion: 99 Resp: 235477
Ion Ratio Lower Upper
99 100
42 34.4 27.2 40.8
71 48.5 38.8 58.2

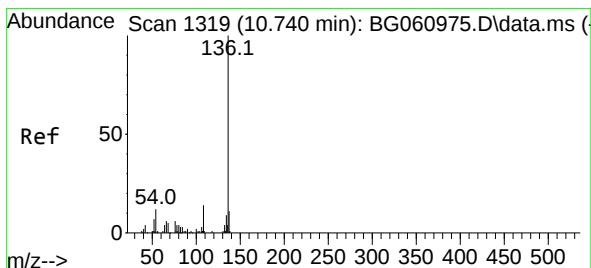
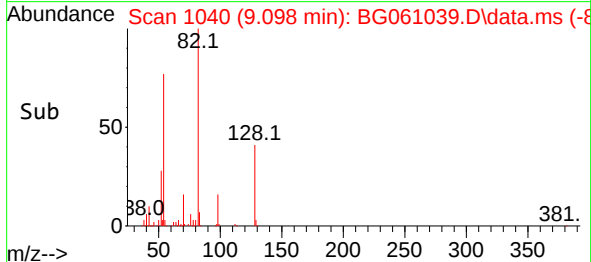
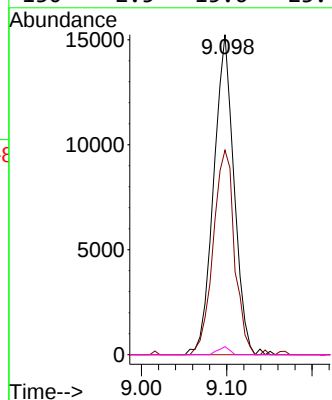
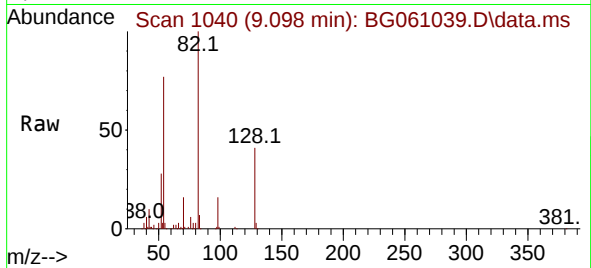




#19
n-Nitroso-di-n-propylamine
Concen: 17.474 ng
RT: 9.098 min Scan# 1040
Delta R.T. 0.356 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

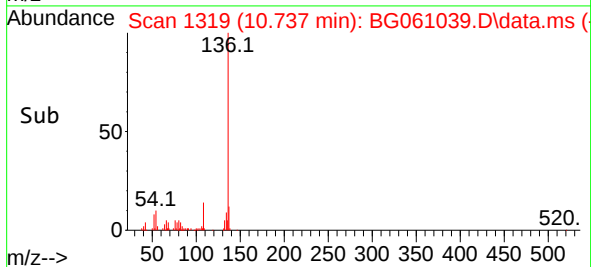
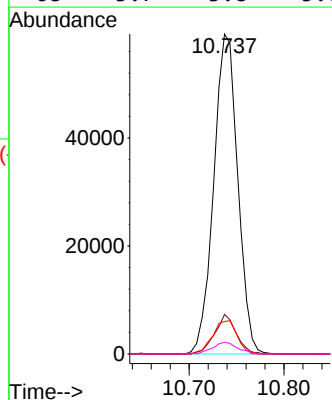
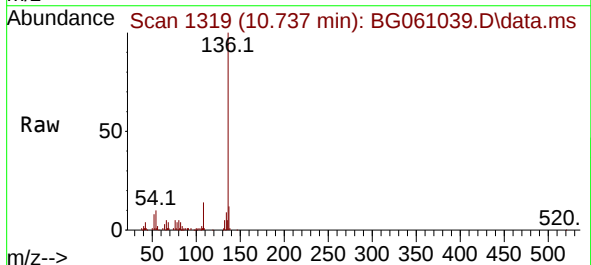
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

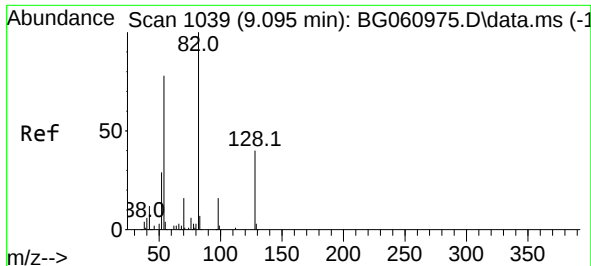
Tgt Ion: 70 Resp: 25349
Ion Ratio Lower Upper
70 100
42 63.9 78.0 117.0#
101 0.0 8.6 13.0#
130 2.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 1319
Delta R.T. -0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion: 136 Resp: 104355
Ion Ratio Lower Upper
136 100
137 12.4 8.5 12.7
54 10.1 9.4 14.0
68 3.7 3.8 5.6#

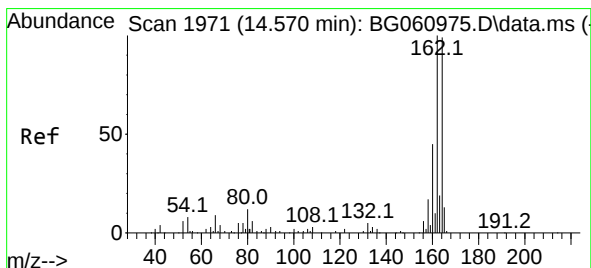
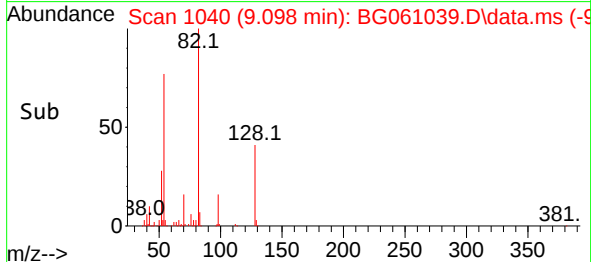
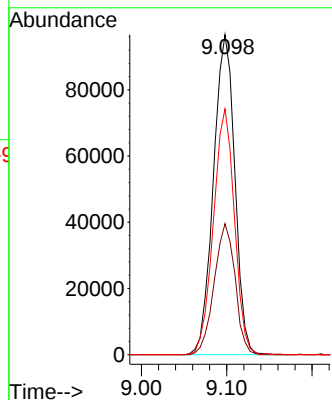
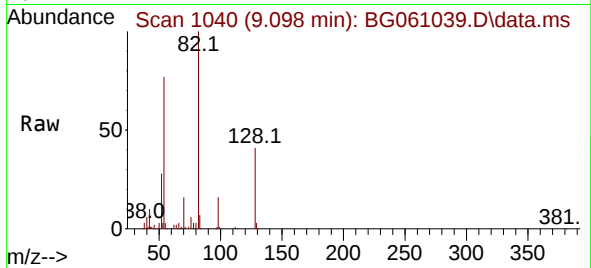




#23
Nitrobenzene-d5
Concen: 72.582 ng
RT: 9.098 min Scan# 1039
Delta R.T. 0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

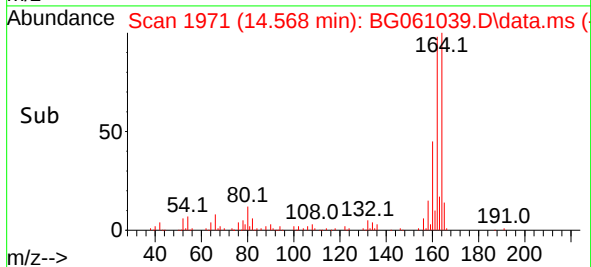
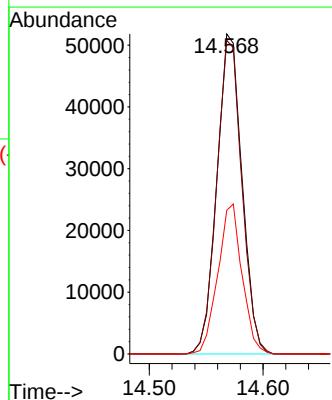
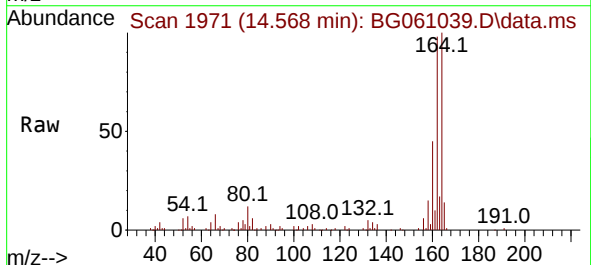
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

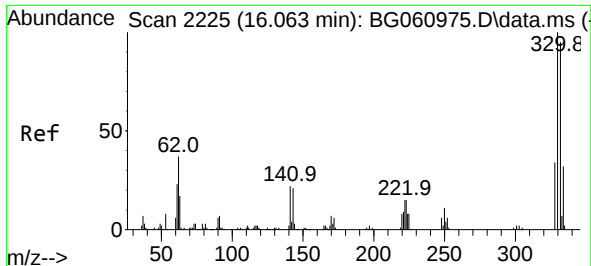
Tgt Ion: 82 Resp: 168584
Ion Ratio Lower Upper
82 100
128 40.9 32.1 48.1
54 76.8 62.3 93.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

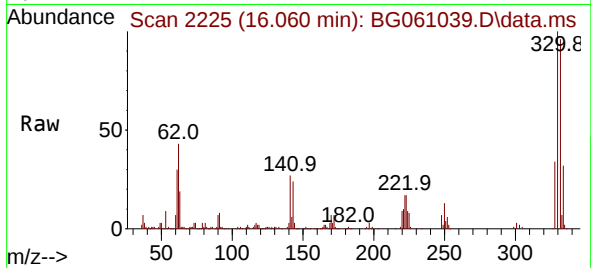
Tgt Ion: 164 Resp: 79569
Ion Ratio Lower Upper
164 100
162 98.0 81.2 121.8
160 44.9 36.2 54.2



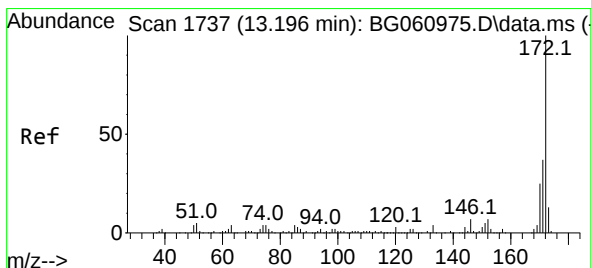
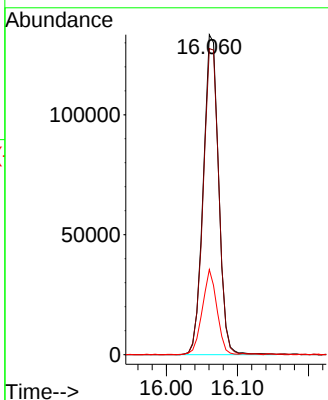
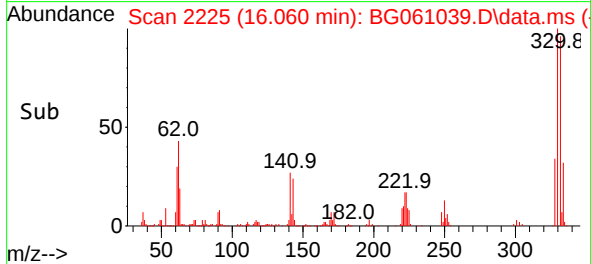


#42
2,4,6-Tribromophenol
Concen: 114.792 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

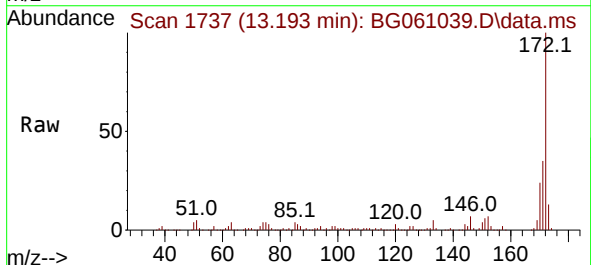
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BNA_G
ClientSampleId :
RO-RBR200059



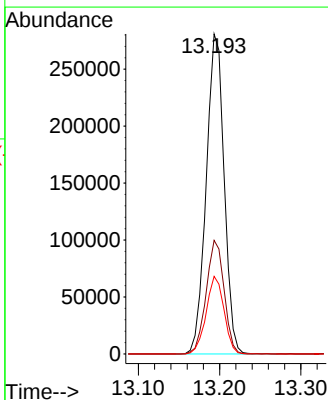
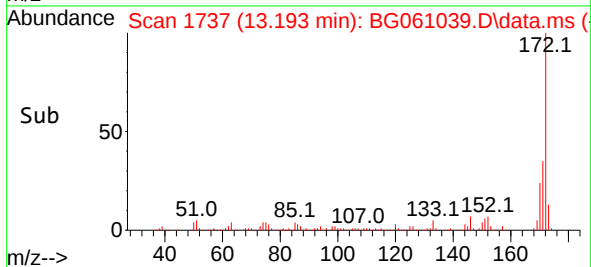
Tgt Ion:330 Resp: 200573
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 25.4 20.6 31.0

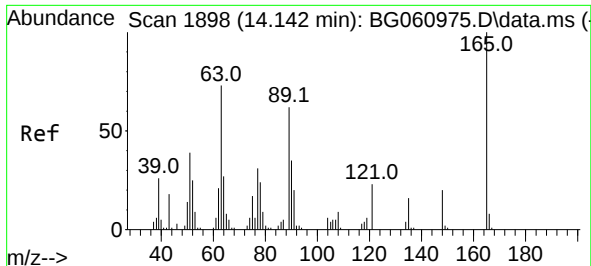


#45
2-Fluorobiphenyl
Concen: 74.771 ng
RT: 13.193 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58



Tgt Ion:172 Resp: 429872
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 24.3 20.1 30.1

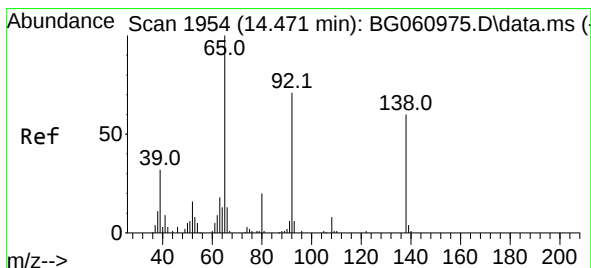
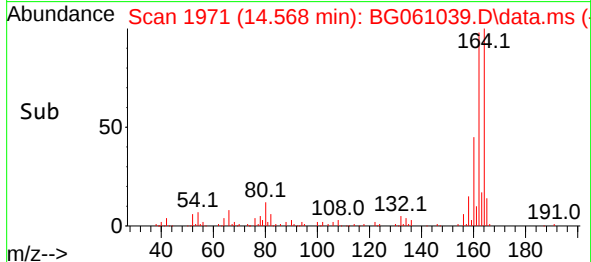
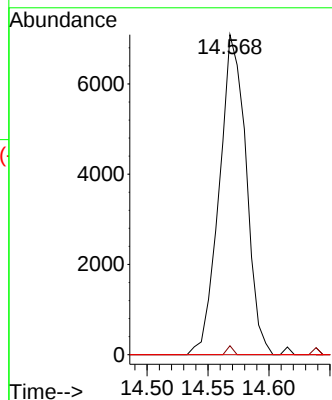
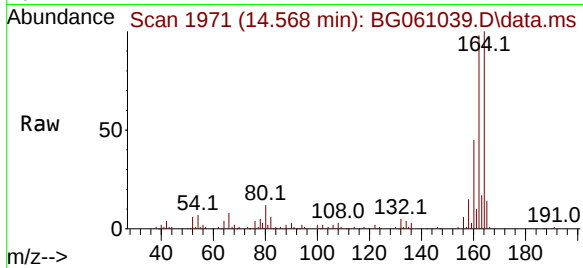




#51
2,6-Dinitrotoluene
Concen: 7.916 ng
RT: 14.568 min Scan# 11
Delta R.T. 0.426 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

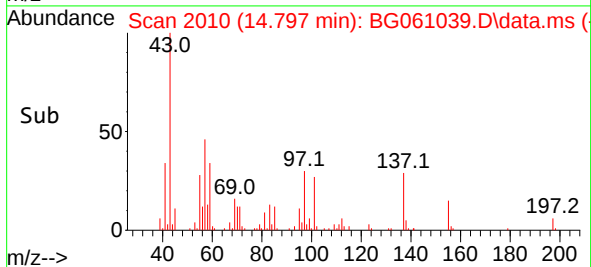
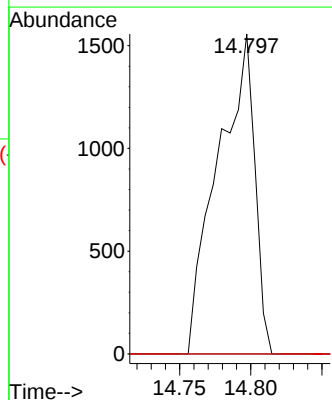
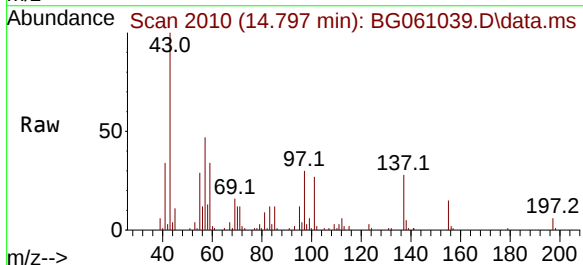
Instrument :
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RO-RBR200059

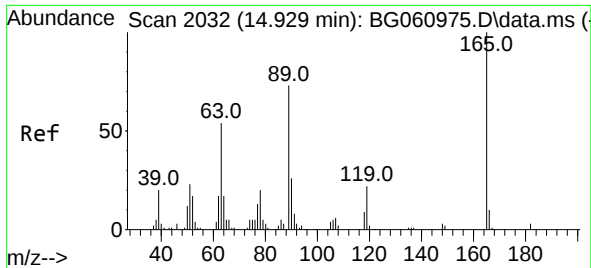
Tgt Ion:165 Resp: 10837
Ion Ratio Lower Upper
165 100
63 2.8 59.6 89.4#
89 0.0 49.4 74.0#



#53
3-Nitroaniline
Concen: 2.076 ng
RT: 14.797 min Scan# 2010
Delta R.T. 0.327 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

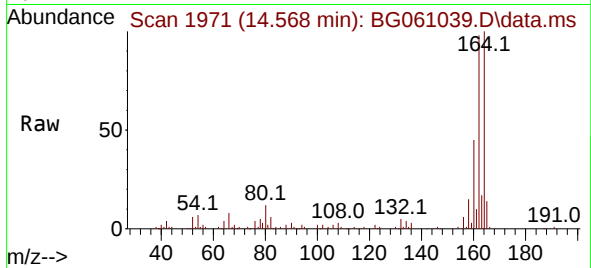
Tgt Ion:138 Resp: 2803
Ion Ratio Lower Upper
138 100
108 0.0 10.1 15.1#
92 0.0 94.6 141.8#



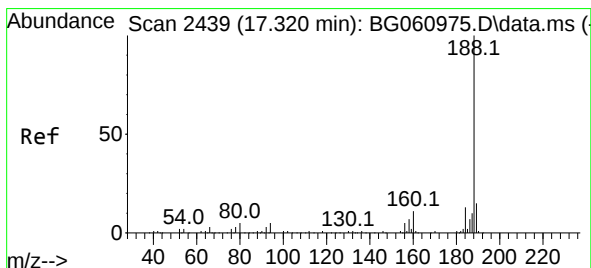
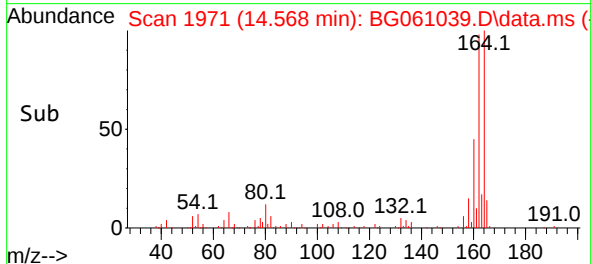
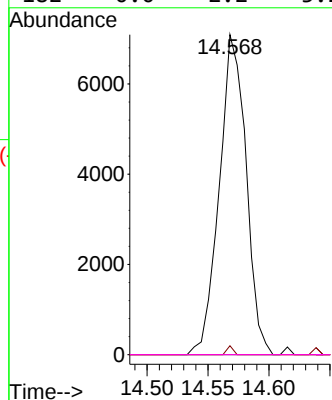


#57
2,4-Dinitrotoluene
Concen: 5.496 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.361 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

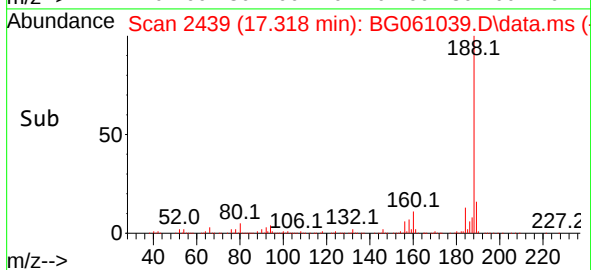
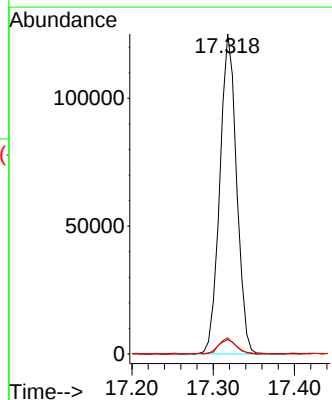
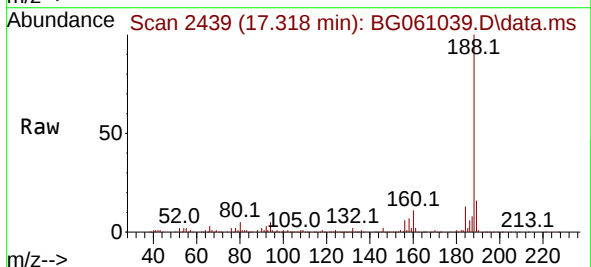


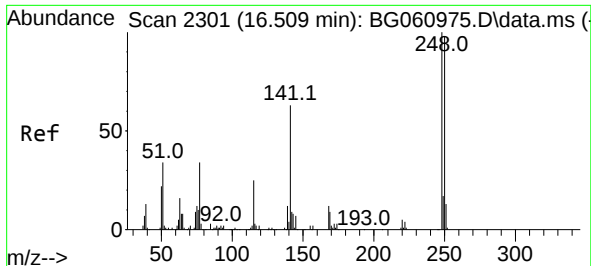
Tgt Ion:165 Resp: 10837
Ion Ratio Lower Upper
165 100
63 2.8 43.4 65.2#
89 0.0 58.4 87.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:188 Resp: 180374
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 5.0 4.0 6.0

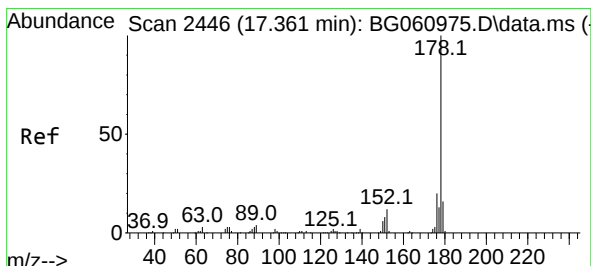
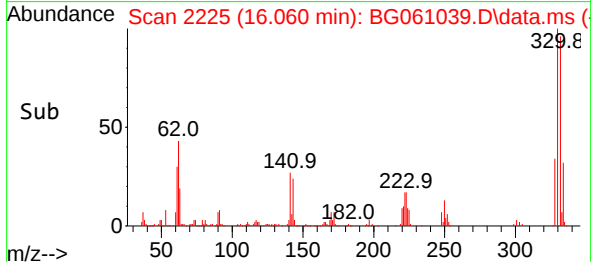
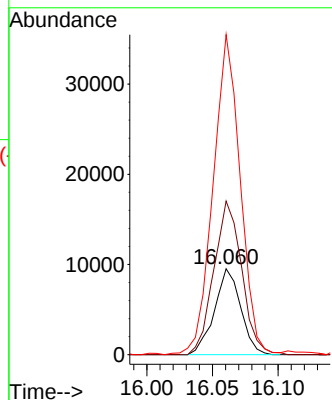
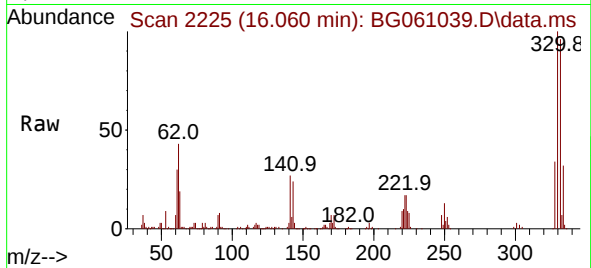




#67
4-Bromophenyl-phenylether
Concen: 5.569 ng
RT: 16.060 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

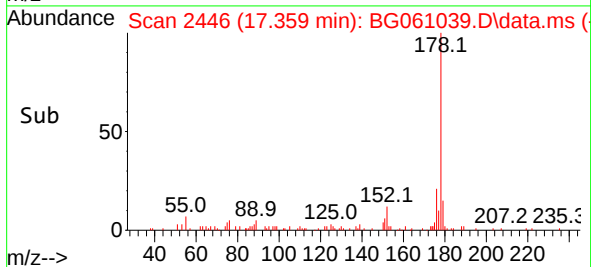
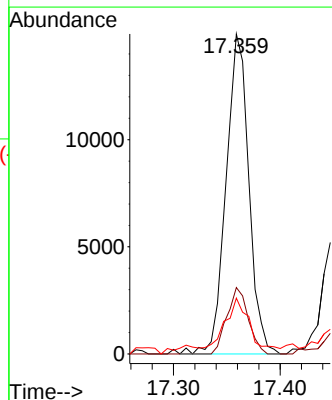
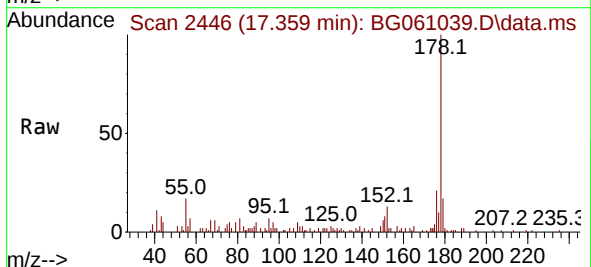
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

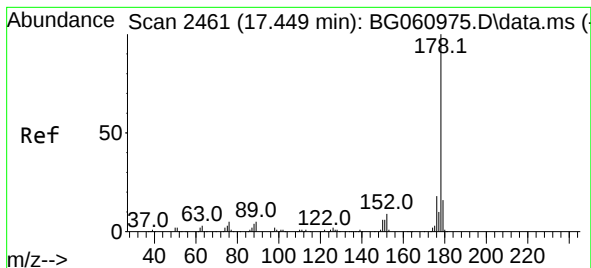
Tgt Ion:248 Resp: 13256
Ion Ratio Lower Upper
248 100
250 178.8 78.7 118.1#
141 372.2 50.4 75.6#



#71
Phenanthrene
Concen: 2.410 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:178 Resp: 22186
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 17.5 12.5 18.7





#72

Anthracene

Concen: 2.340 ng

RT: 17.359 min Scan# 2461

Delta R.T. -0.091 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059

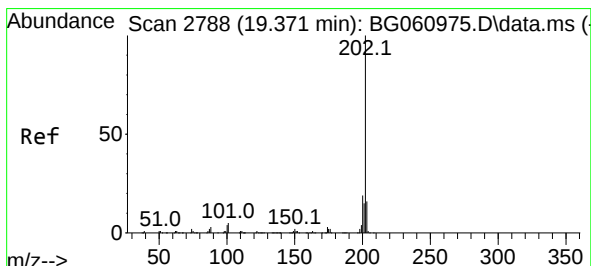
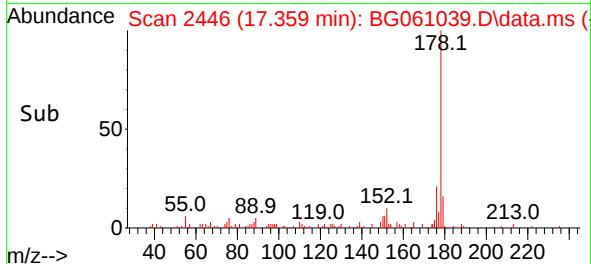
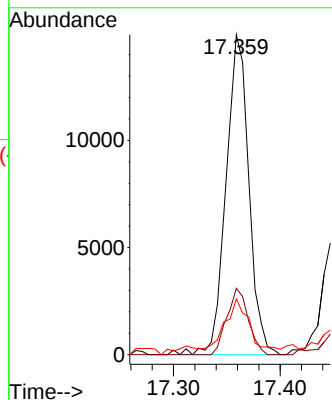
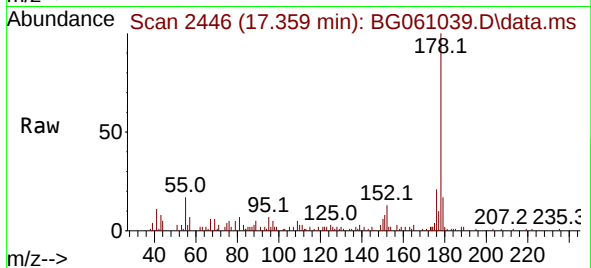
Tgt Ion:178 Resp: 22186

Ion Ratio Lower Upper

178 100

176 20.7 14.7 22.1

179 17.5 12.4 18.6



#75

Fluoranthene

Concen: 8.584 ng

RT: 19.374 min Scan# 2789

Delta R.T. 0.003 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

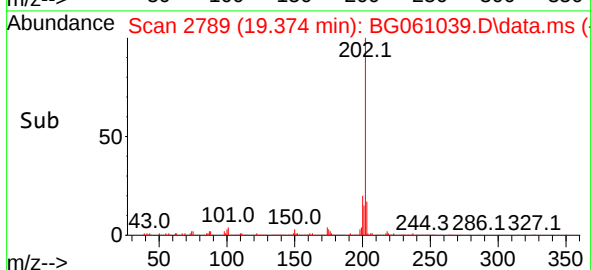
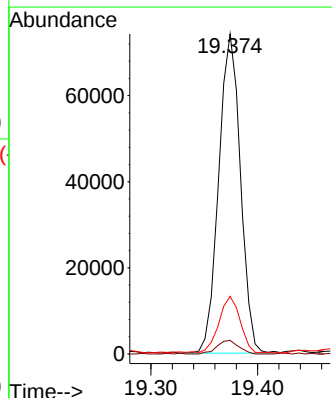
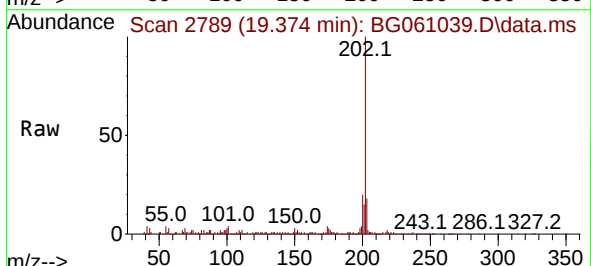
Tgt Ion:202 Resp: 104891

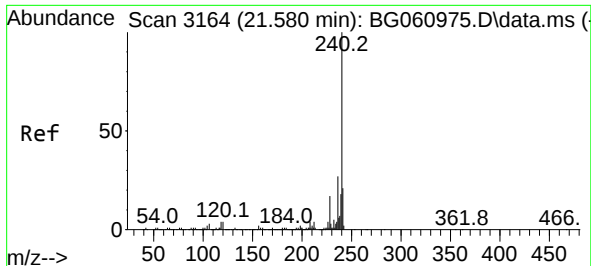
Ion Ratio Lower Upper

202 100

101 4.2 0.0 24.9

203 18.0 0.0 36.2

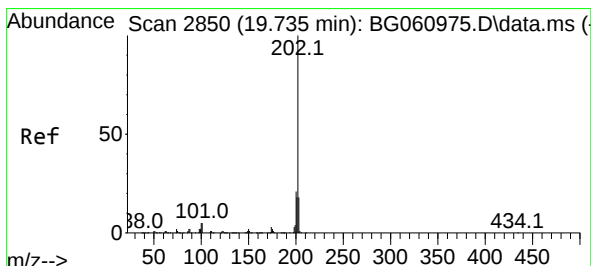
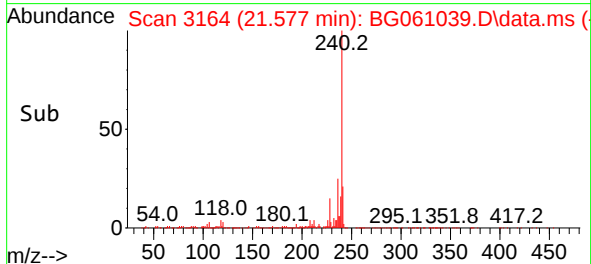
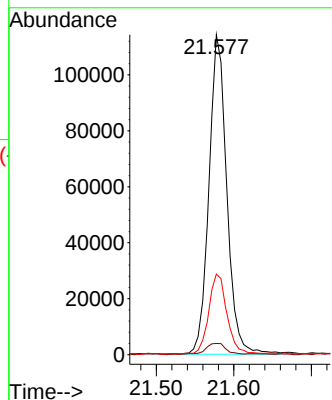
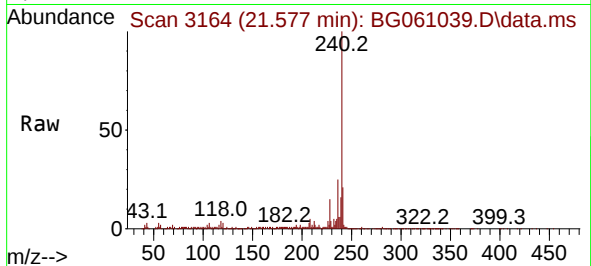




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3164
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

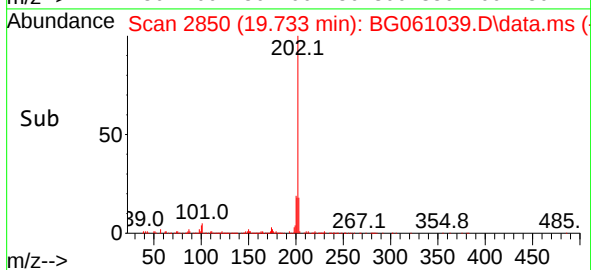
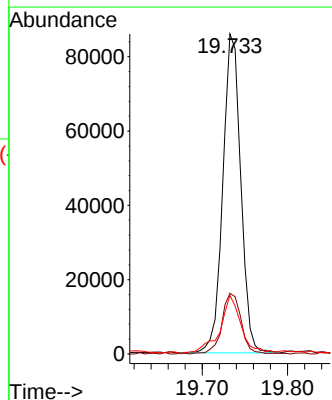
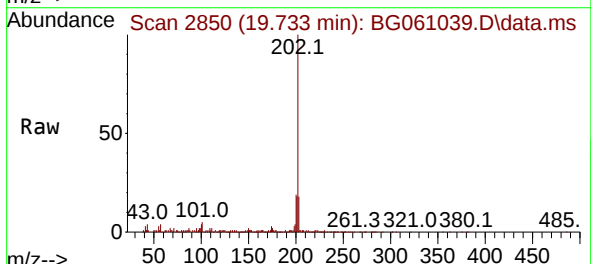
Instrument :
BNA_G
ClientSampleId :
RO-RBR200059

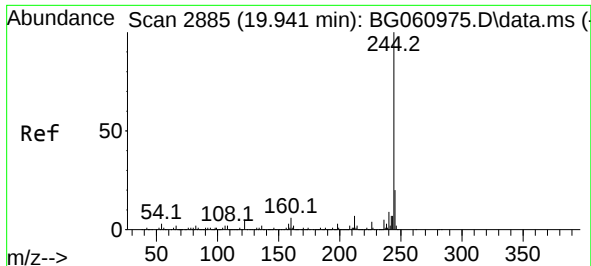
Tgt Ion:240 Resp: 182413
Ion Ratio Lower Upper
240 100
120 3.5 3.0 4.6
236 25.2 21.8 32.6



#78
Pyrene
Concen: 10.095 ng
RT: 19.733 min Scan# 2850
Delta R.T. -0.002 min
Lab File: BG061039.D
Acq: 25 Apr 2024 15:58

Tgt Ion:202 Resp: 125388
Ion Ratio Lower Upper
202 100
200 18.9 16.8 25.2
203 18.3 14.2 21.2

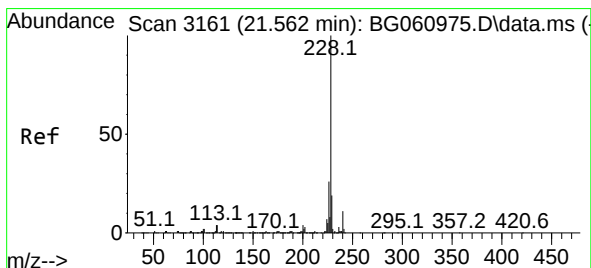
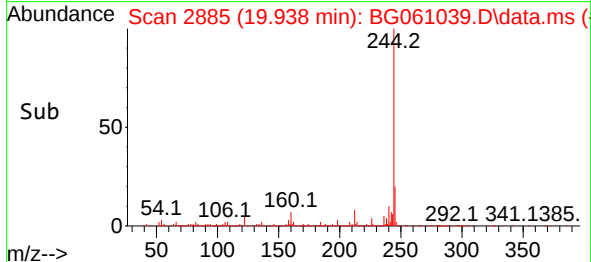
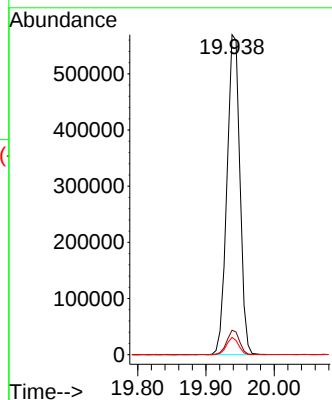
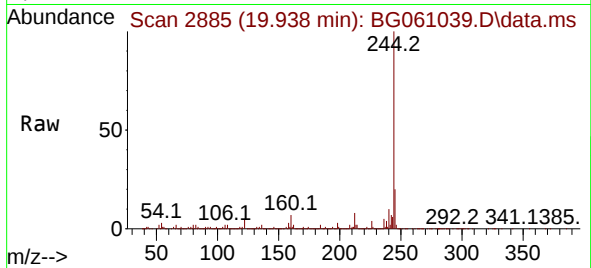




#79
 Terphenyl-d14
 Concen: 63.899 ng
 RT: 19.938 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG061039.D
 Acq: 25 Apr 2024 15:58

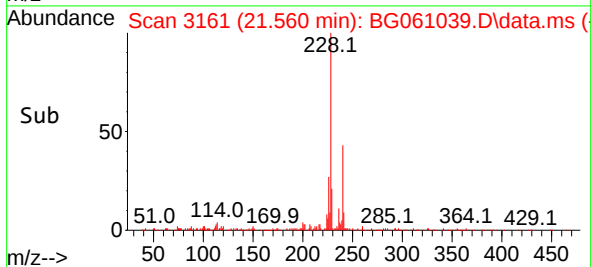
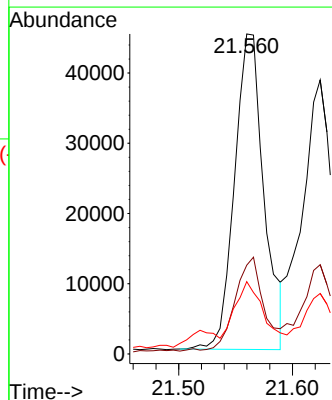
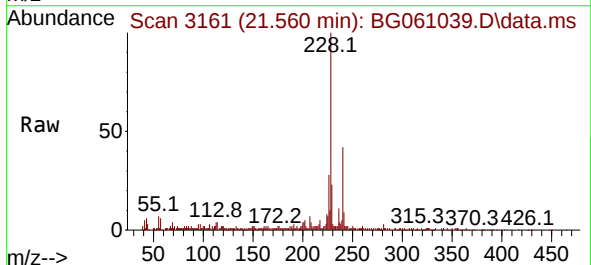
Instrument :
 BNA_G
 ClientSampleId :
 RO-RBR200059

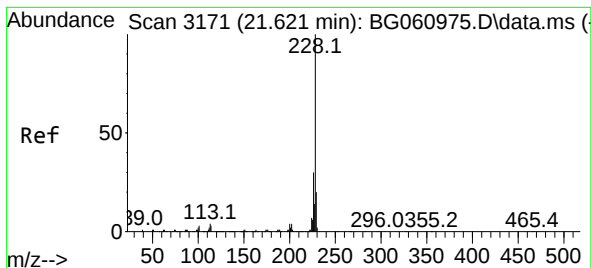
Tgt Ion:244 Resp: 750919
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 5.4 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 6.285 ng
 RT: 21.560 min Scan# 3161
 Delta R.T. -0.002 min
 Lab File: BG061039.D
 Acq: 25 Apr 2024 15:58

Tgt Ion:228 Resp: 80606
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.0 31.4
 229 22.6 15.0 22.4#





#83

Chrysene

Concen: 6.101 ng

RT: 21.624 min Scan# 3171

Delta R.T. 0.003 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059

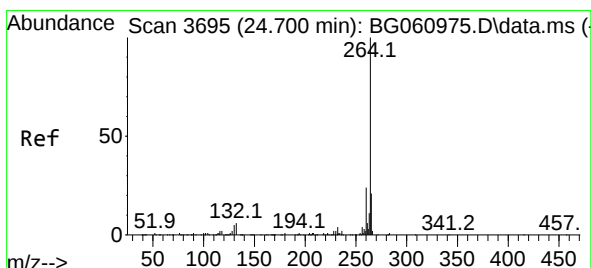
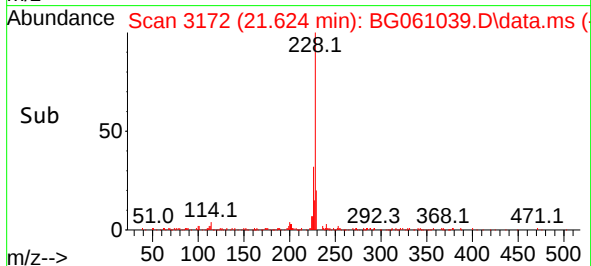
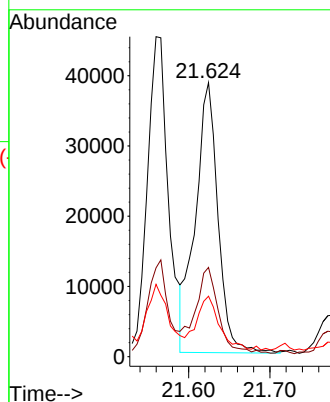
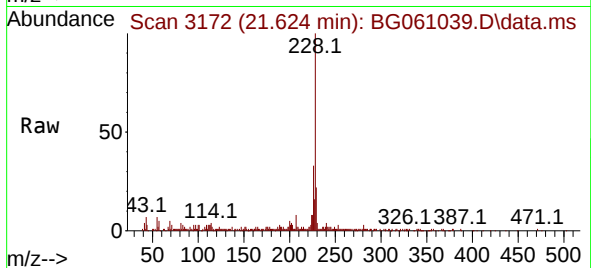
Tgt Ion:228 Resp: 74500

Ion Ratio Lower Upper

228 100

226 32.5 24.2 36.2

229 22.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 3697

Delta R.T. 0.009 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

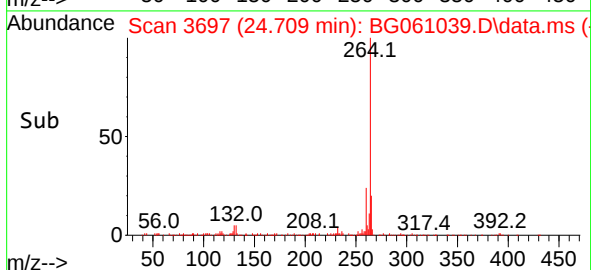
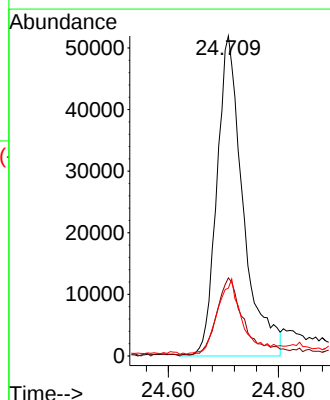
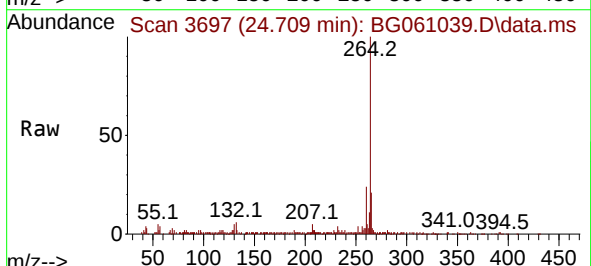
Tgt Ion:264 Resp: 172049

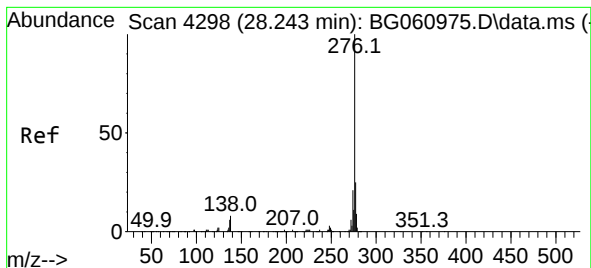
Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.811 ng

RT: 28.246 min Scan# 41

Delta R.T. 0.003 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059

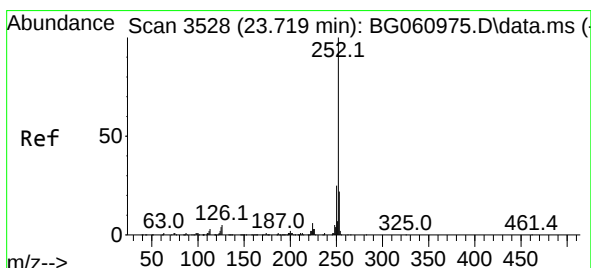
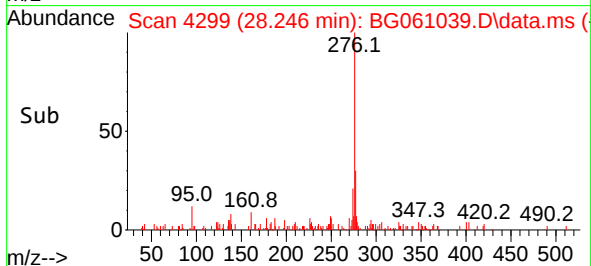
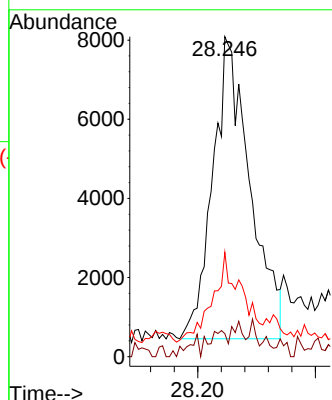
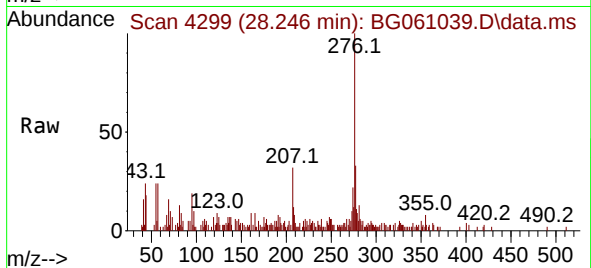
Tgt Ion:276 Resp: 33549

Ion Ratio Lower Upper

276 100

138 4.1 5.3 7.9#

277 15.6 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 10.136 ng

RT: 23.728 min Scan# 3530

Delta R.T. 0.009 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

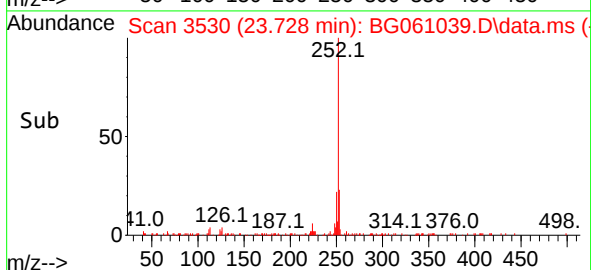
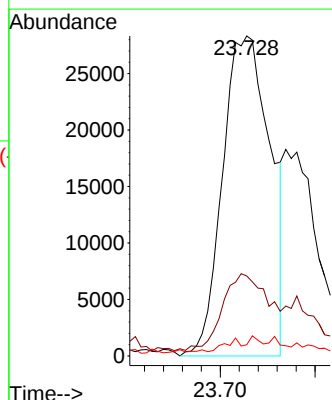
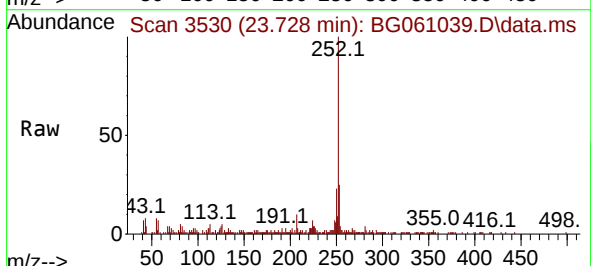
Tgt Ion:252 Resp: 98824

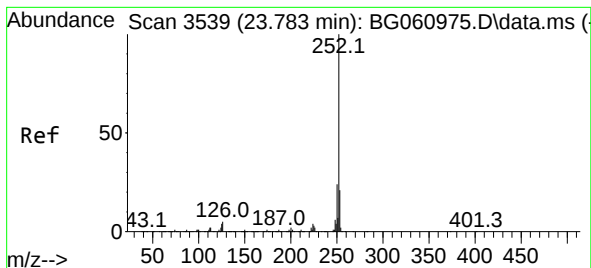
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 3.5 3.3 4.9





#89

Benzo(k)fluoranthene

Concen: 10.041 ng

RT: 23.728 min Scan# 31

Delta R.T. -0.055 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

Instrument :

BNA_G

ClientSampleId :

RO-RBR200059

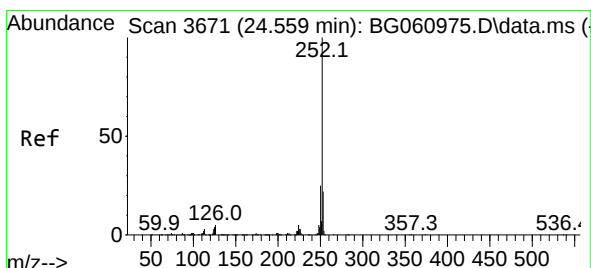
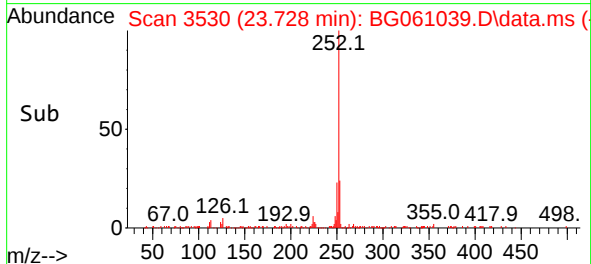
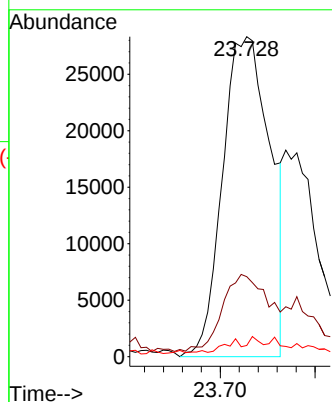
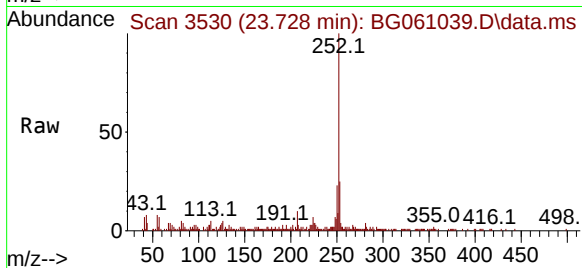
Tgt Ion:252 Resp: 98824

Ion Ratio Lower Upper

252 100

253 25.0 16.6 25.0#

125 3.5 3.3 4.9



#90

Benzo(a)pyrene

Concen: 8.472 ng

RT: 24.562 min Scan# 3672

Delta R.T. 0.003 min

Lab File: BG061039.D

Acq: 25 Apr 2024 15:58

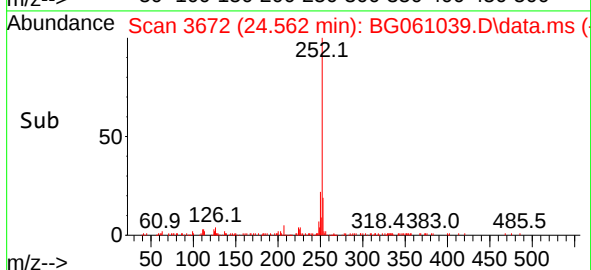
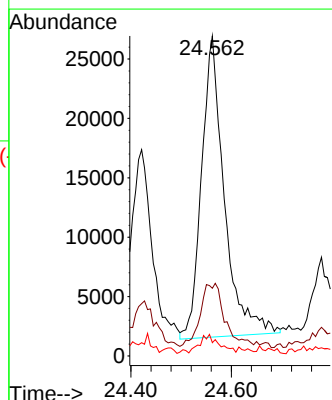
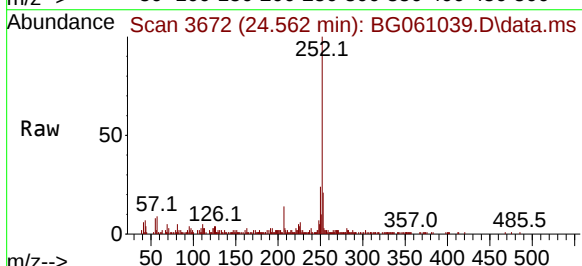
Tgt Ion:252 Resp: 79948

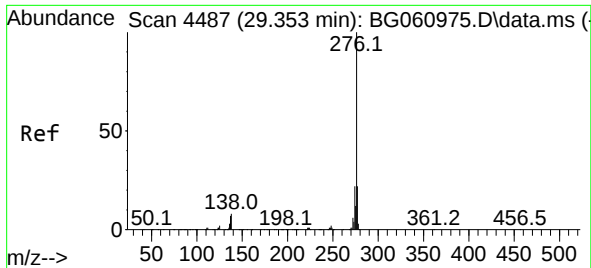
Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

125 4.1 3.6 5.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.637 ng
 RT: 29.351 min Scan# 44
 Delta R.T. -0.002 min
 Lab File: BG061039.D
 Acq: 25 Apr 2024 15:58

Instrument :
 BNA_G
 ClientSampleId :
 RO-RBR200059

Tgt Ion:	276	Resp:	25494
Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.0	27.0
138	9.9	6.5	9.7#

