

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012224\
 Data File : BG060393.D
 Acq On : 22 Jan 2024 20:29
 Operator : MA/JU
 Sample : P1183-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 23 00:39:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

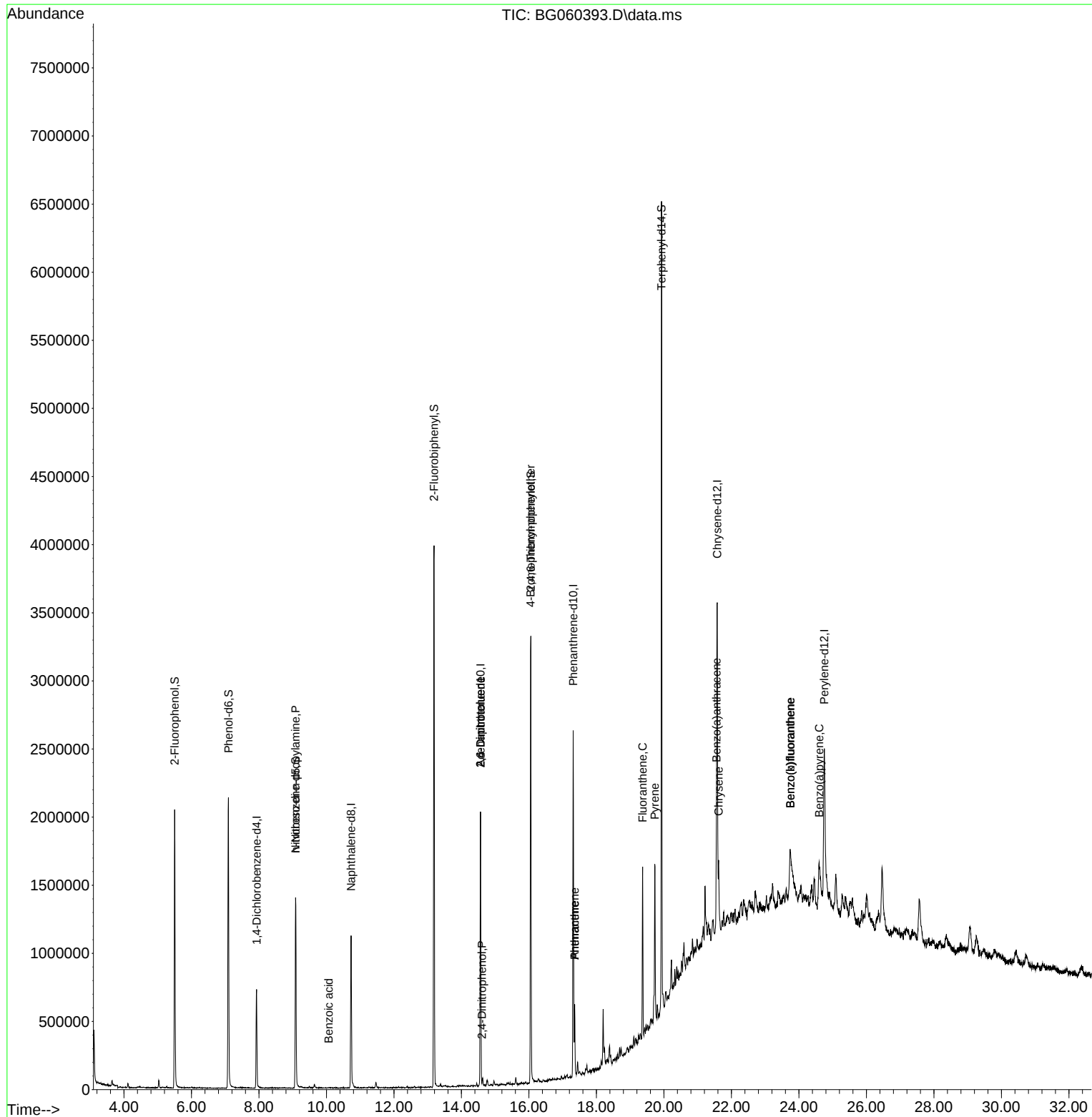
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	237345	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	1019869	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	713186	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	1692251	20.000	ng	0.00
76) Chrysene-d12	21.578	240	1441979	20.000	ng	0.00
86) Perylene-d12	24.751	264	1569946	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.503	112	1041295	72.161	ng	0.00
7) Phenol-d6	7.095	99	1541741	72.153	ng	0.00
23) Nitrobenzene-d5	9.087	82	1008227	46.681	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	754525	71.907	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	2305383	44.942	ng	0.00
79) Terphenyl-d14	19.927	244	3119791	45.489	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.087	70	121247	8.199	ng	# 86
32) Benzoic acid	10.062	122	116	10.210	ng	# 1
51) 2,6-Dinitrotoluene	14.563	165	91050	7.829	ng	# 33
54) 2,4-Dinitrophenol	14.604	184	88	8.598	ng	# 1
57) 2,4-Dinitrotoluene	14.563	165	91050	5.709	ng	# 26
67) 4-Bromophenyl-phenylether	16.049	248	47415	2.550	ng	# 1
71) Phenanthrene	17.354	178	327134	3.999	ng	98
72) Anthracene	17.354	178	327134	4.006	ng	98
75) Fluoranthene	19.369	202	808489	8.229	ng	87
78) Pyrene	19.728	202	764221	8.299	ng	# 85
81) Benzo(a)anthracene	21.555	228	417382	4.676	ng	95
83) Chrysene	21.619	228	405701	4.621	ng	96
88) Benzo(b)fluoranthene	23.746	252	476049	5.133	ng	# 93
89) Benzo(k)fluoranthene	23.746	252	476049	5.201	ng	# 93
90) Benzo(a)pyrene	24.598	252	350973	4.189	ng	# 89

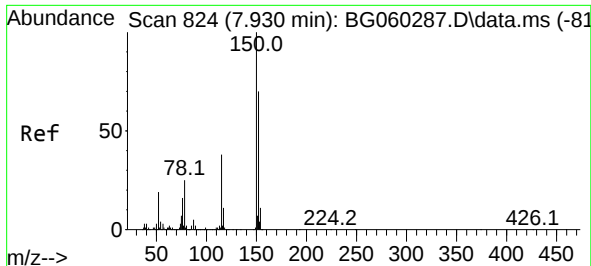
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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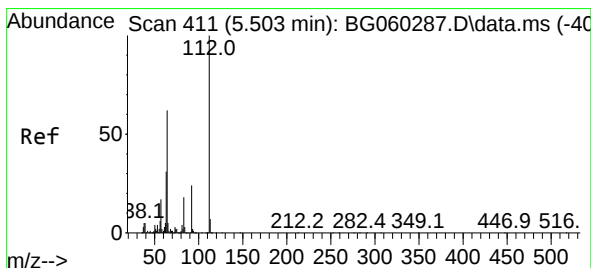
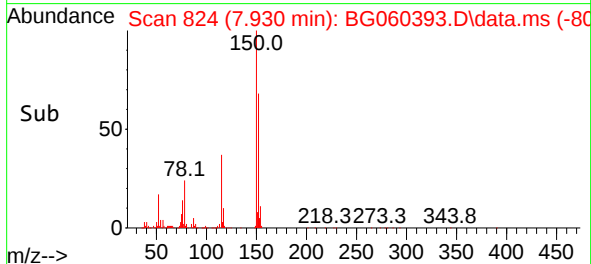
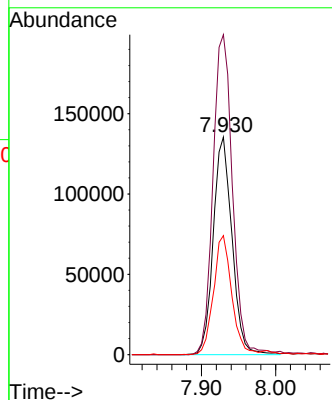
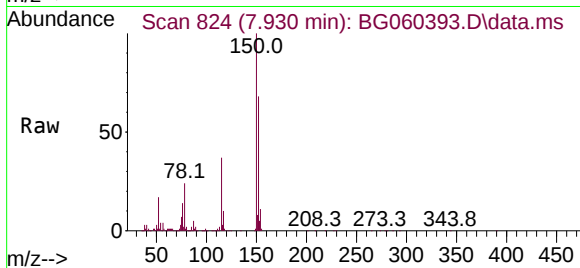




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

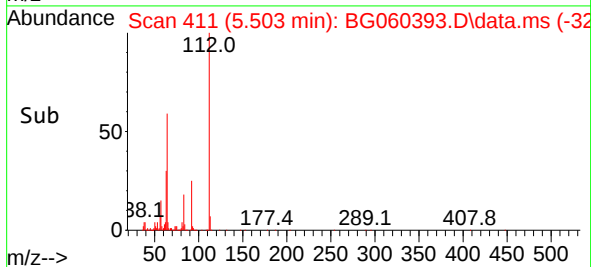
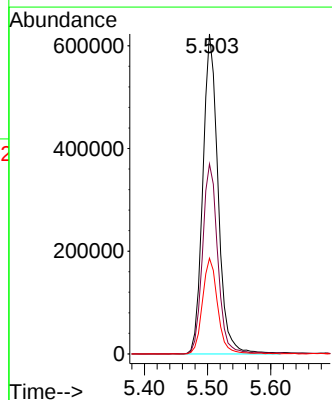
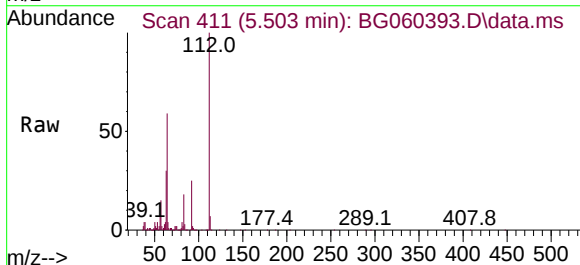
Instrument :
BNA_G
ClientSampleId :

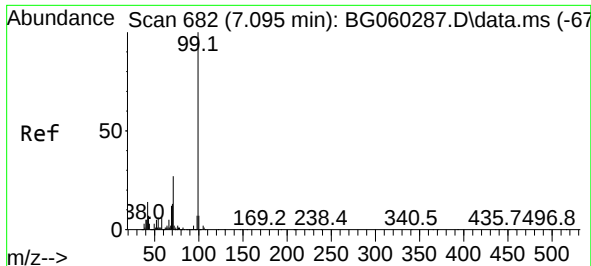
Tgt Ion:152 Resp: 237345
Ion Ratio Lower Upper
152 100
150 147.1 114.5 171.7
115 54.7 43.0 64.6



#5
2-Fluorophenol
Concen: 72.161 ng
RT: 5.503 min Scan# 411
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

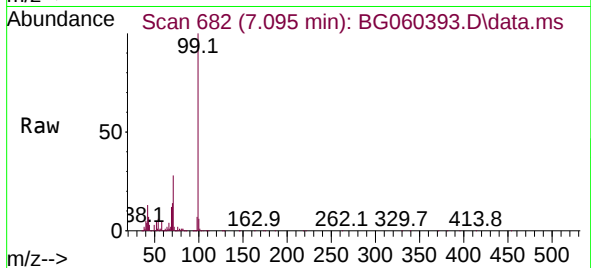
Tgt Ion:112 Resp: 1041295
Ion Ratio Lower Upper
112 100
64 59.3 49.8 74.6
63 29.9 24.4 36.6



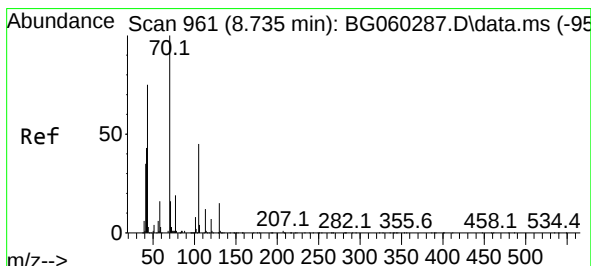
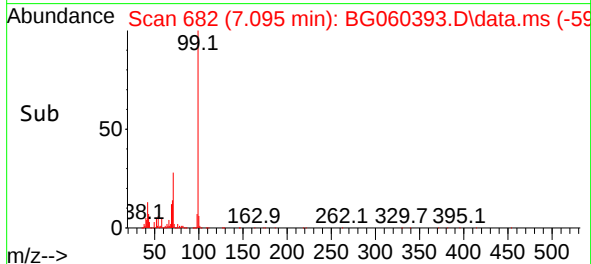
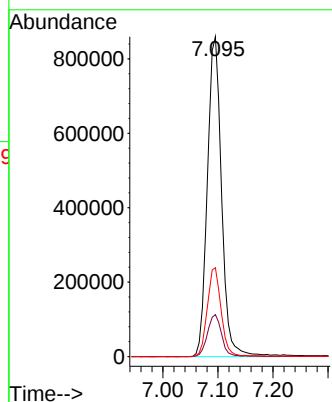


#7
Phenol-d6
Concen: 72.153 ng
RT: 7.095 min Scan# 682
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Instrument :
BNA_G
ClientSampleId :

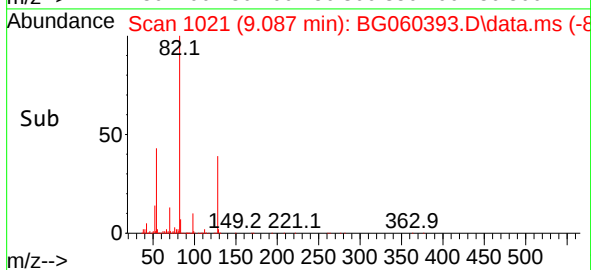
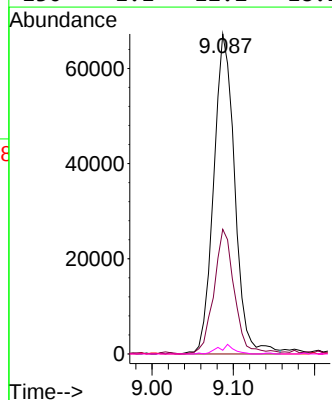
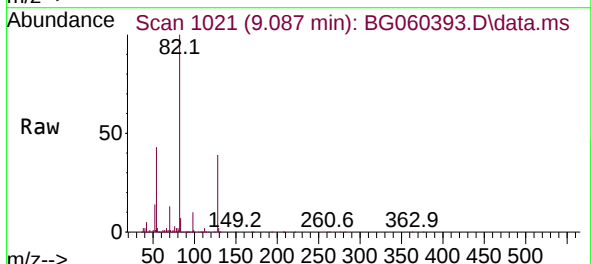


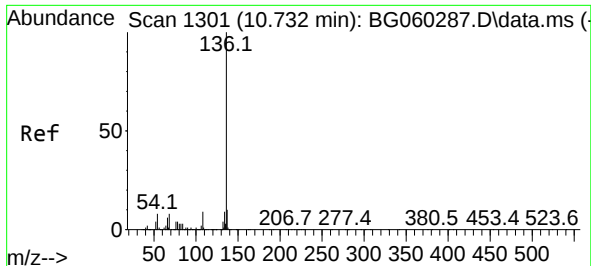
Tgt Ion: 99 Resp: 1541741
Ion Ratio Lower Upper
99 100
42 13.1 10.9 16.3
71 27.8 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.199 ng
RT: 9.087 min Scan# 1021
Delta R.T. 0.353 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

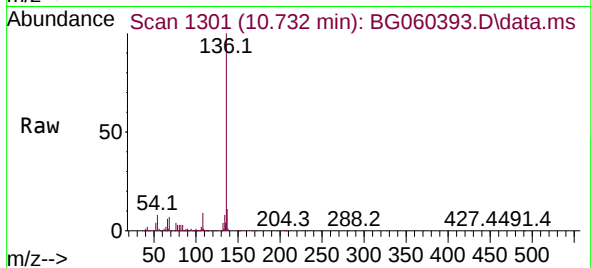
Tgt Ion: 70 Resp: 121247
Ion Ratio Lower Upper
70 100
42 38.9 34.3 51.5
101 0.0 6.2 9.2#
130 1.1 12.2 18.2#



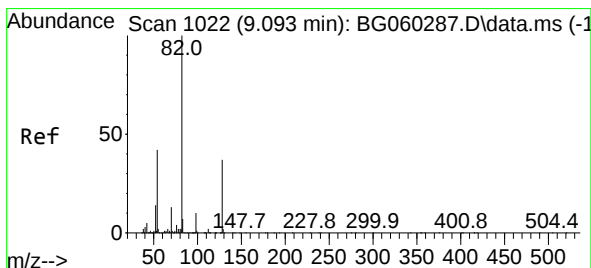
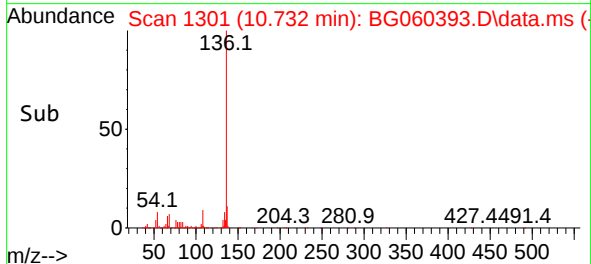
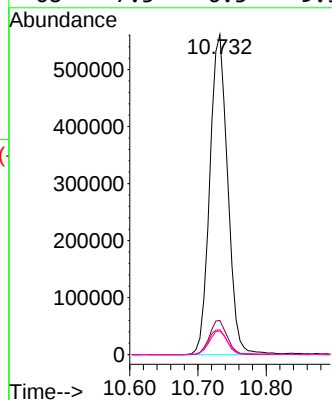


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Instrument :
BNA_G
ClientSampleId :

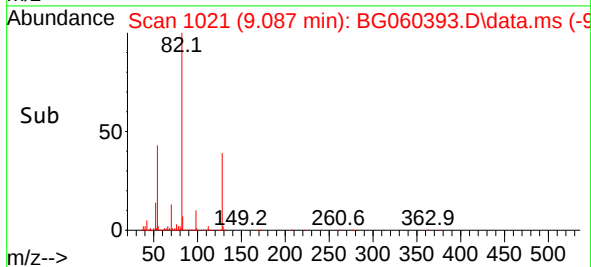
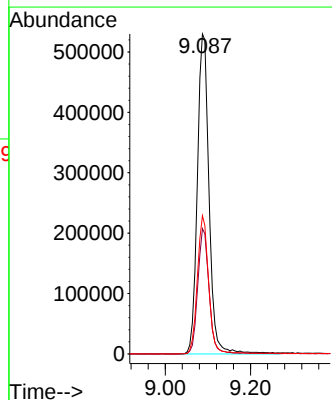
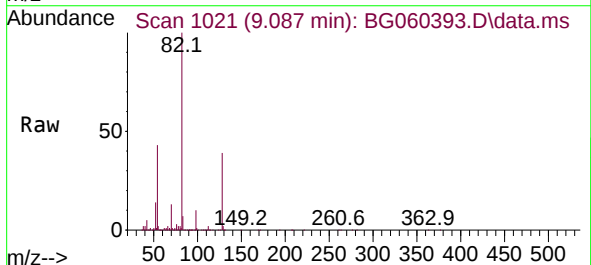


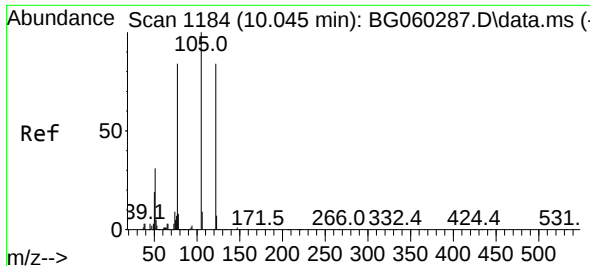
Tgt Ion:136 Resp: 1019869
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 7.8 6.2 9.2
68 7.3 6.3 9.5



#23
Nitrobenzene-d5
Concen: 46.681 ng
RT: 9.087 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion: 82 Resp: 1008227
Ion Ratio Lower Upper
82 100
128 39.1 29.6 44.4
54 43.2 33.6 50.4

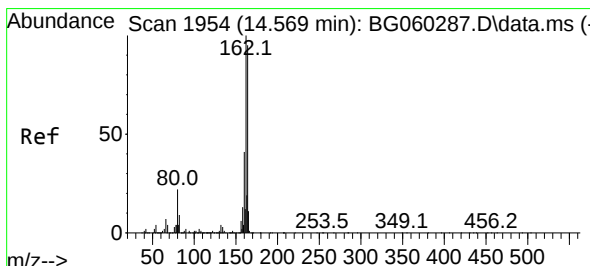
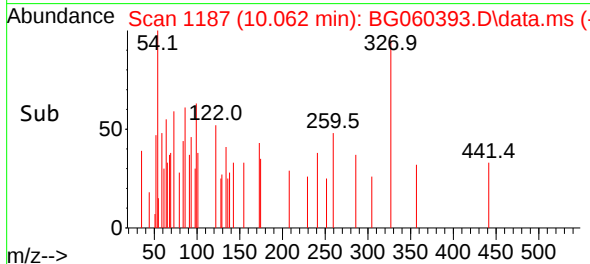
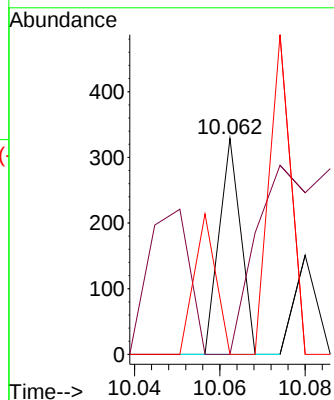
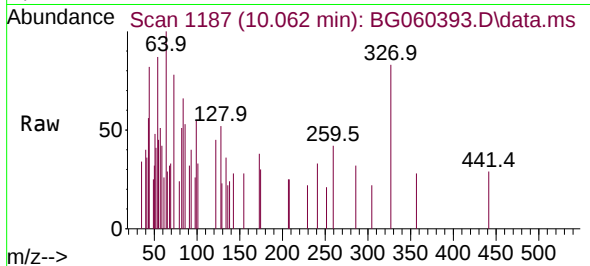




#32
Benzoic acid
Concen: 10.210 ng
RT: 10.062 min Scan# 1184
Delta R.T. 0.017 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

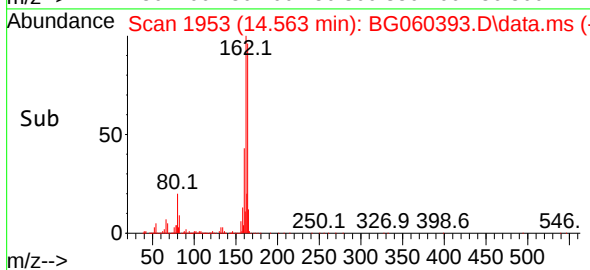
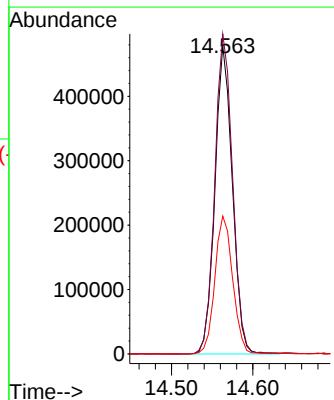
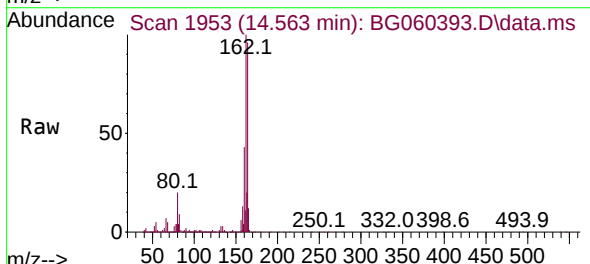
Instrument :
BNA_G
ClientSampleId :

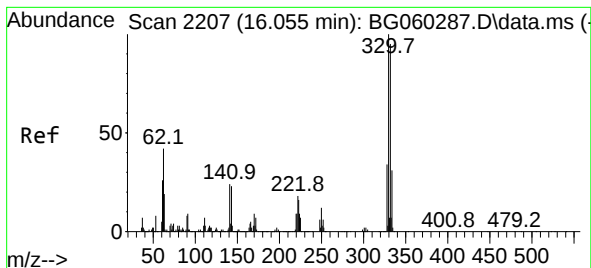
Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion:164 Resp: 713186
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 44.7 34.6 52.0

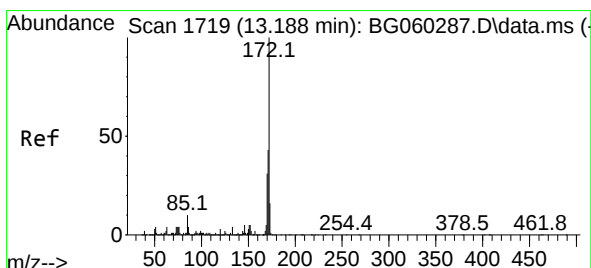
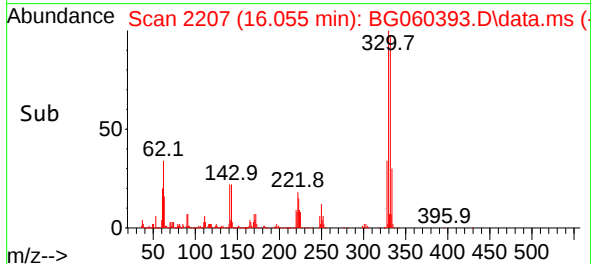
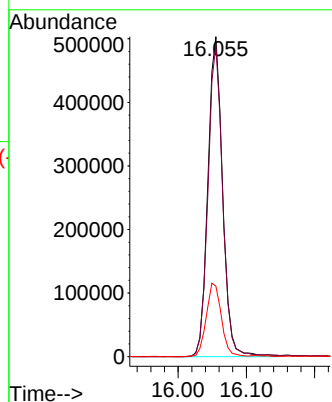
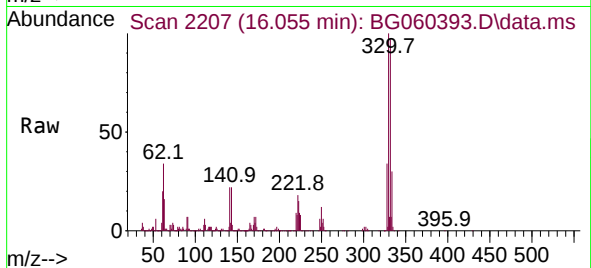




#42
2,4,6-Tribromophenol
Concen: 71.907 ng
RT: 16.055 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

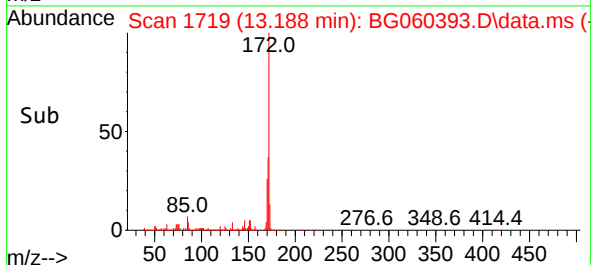
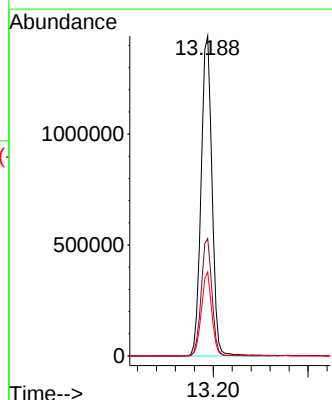
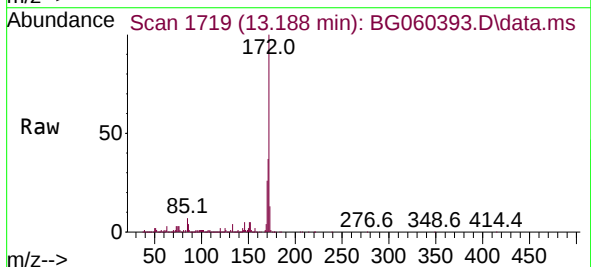
Instrument :
BNA_G
ClientSampleId :

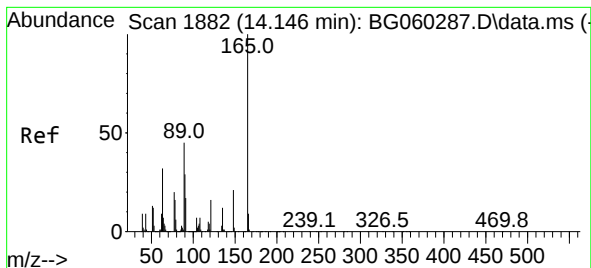
Tgt Ion:330 Resp: 754525
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 23.5 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 44.942 ng
RT: 13.188 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion:172 Resp: 2305383
Ion Ratio Lower Upper
172 100
171 36.7 34.6 51.8
170 26.2 24.4 36.6

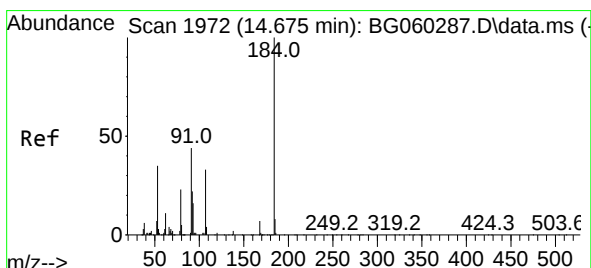
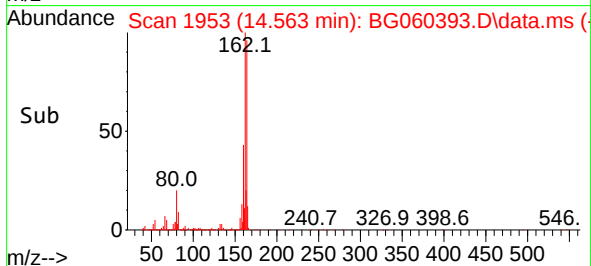
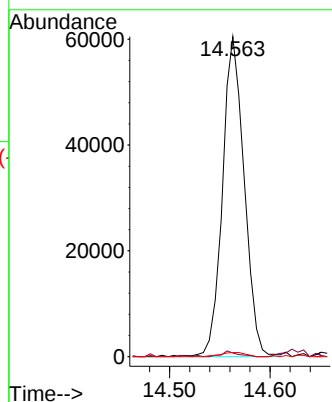
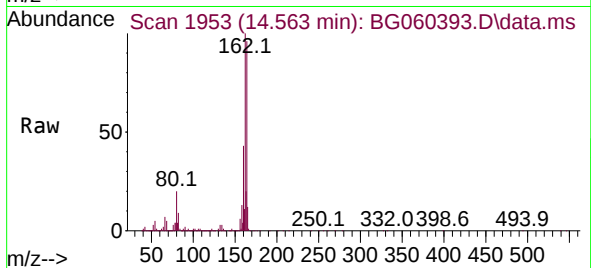




#51
2,6-Dinitrotoluene
Concen: 7.829 ng
RT: 14.563 min Scan# 19
Delta R.T. 0.417 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

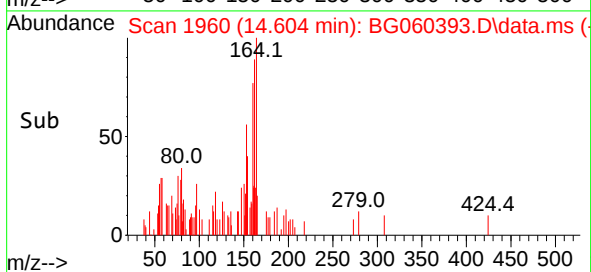
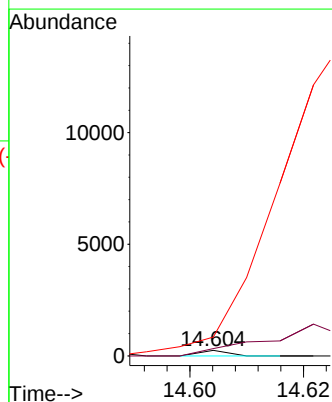
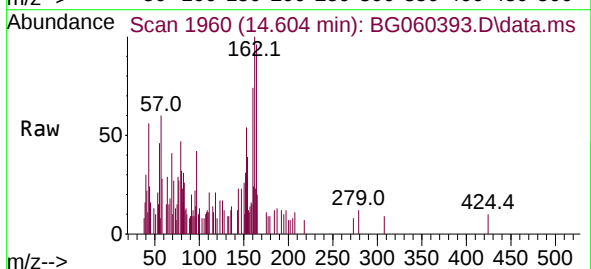
Instrument :
BNA_G
ClientSampleId :

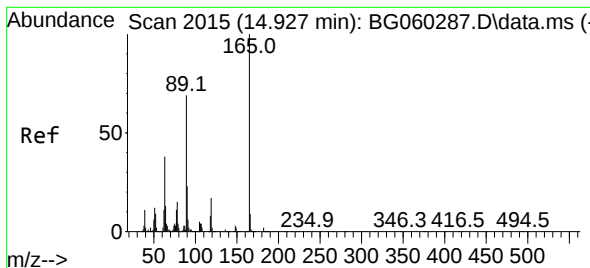
Tgt Ion:165 Resp: 91050
Ion Ratio Lower Upper
165 100
63 1.1 35.0 52.4#
89 1.3 36.2 54.2#



#54
2,4-Dinitrophenol
Concen: 8.598 ng
RT: 14.604 min Scan# 1960
Delta R.T. -0.071 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

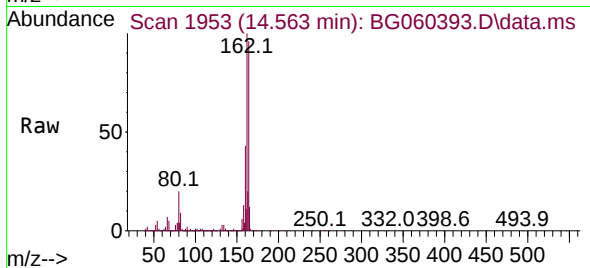
Tgt Ion:184 Resp: 88
Ion Ratio Lower Upper
184 100
63 129.6 41.0 61.4#
154 336.8 39.2 58.8#



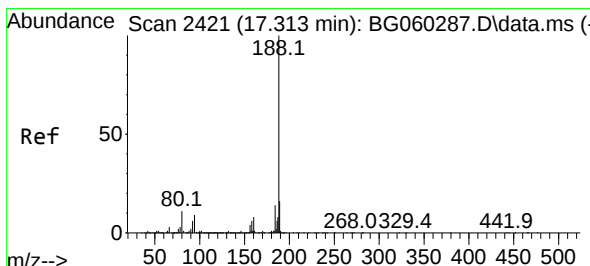
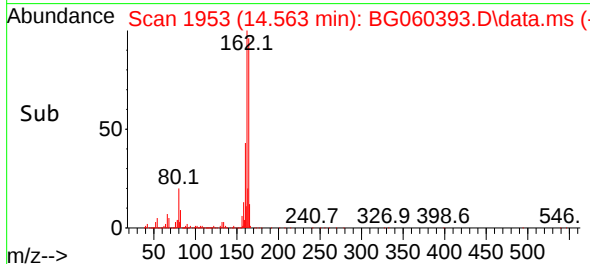
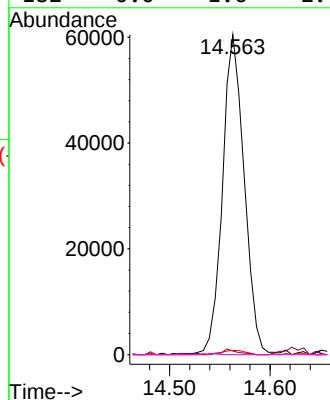


#57
2,4-Dinitrotoluene
Concen: 5.709 ng
RT: 14.563 min Scan# 1953
Delta R.T. -0.364 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Instrument :
BNA_G
ClientSampleId :

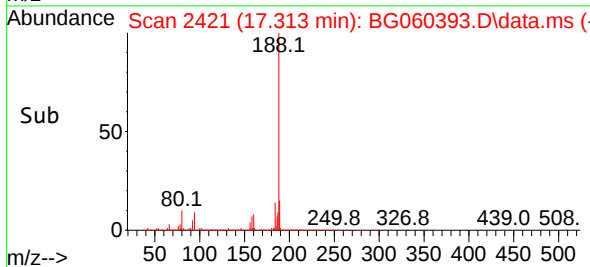
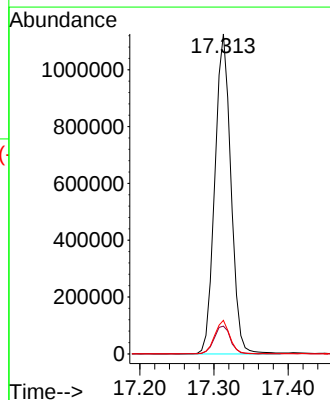
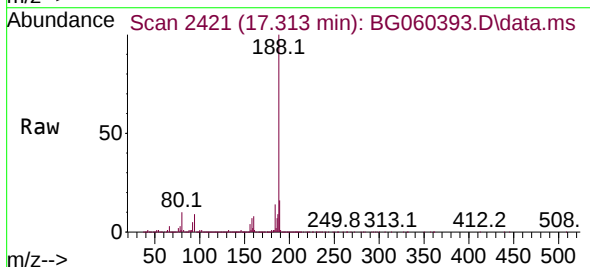


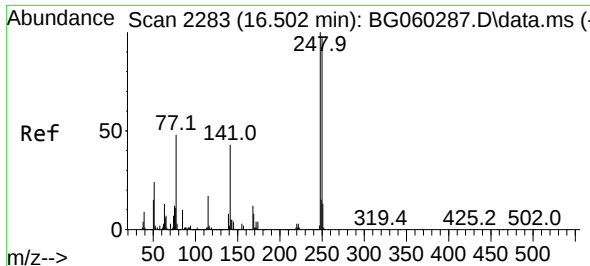
Tgt Ion:165 Resp: 91050
Ion Ratio Lower Upper
165 100
63 1.1 30.4 45.6#
89 1.3 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion:188 Resp: 1692251
Ion Ratio Lower Upper
188 100
94 8.7 7.1 10.7
80 10.5 8.5 12.7

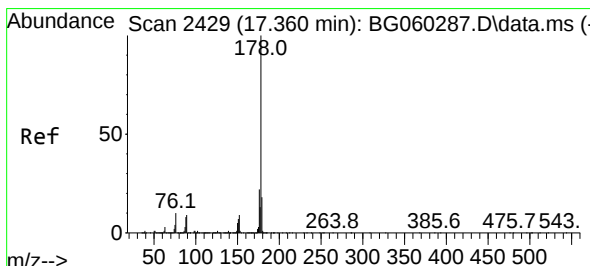
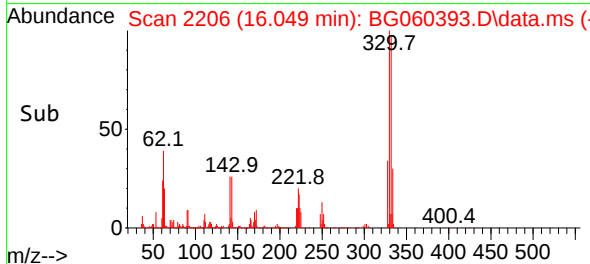
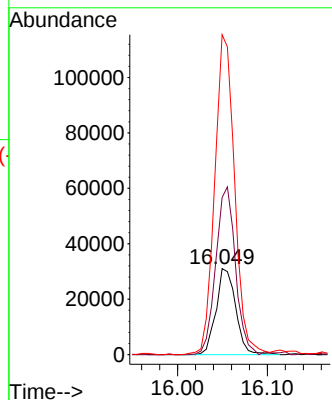
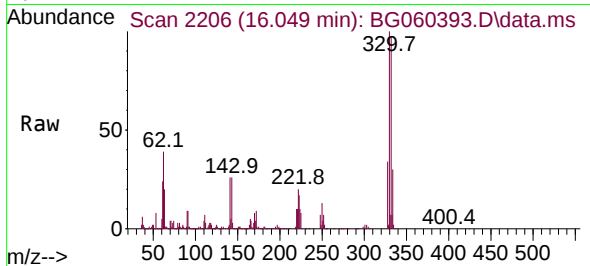




#67
4-Bromophenyl-phenylether
Concen: 2.550 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

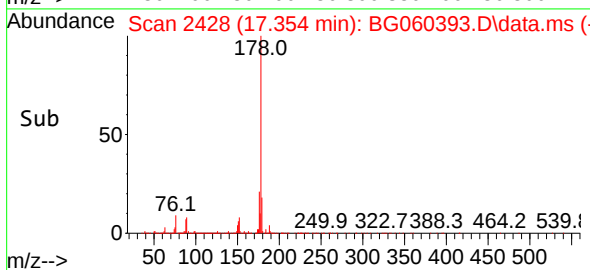
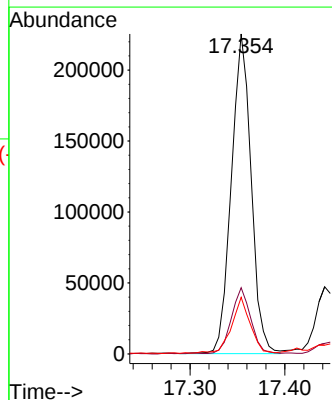
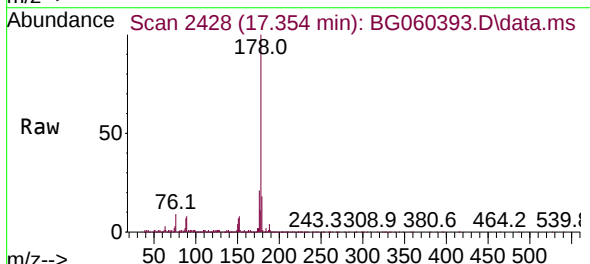
Instrument :
BNA_G
ClientSampleId :

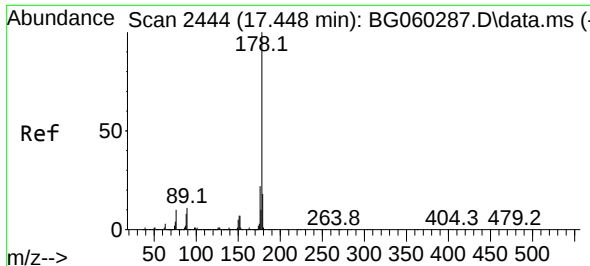
Tgt Ion:248 Resp: 47415
Ion Ratio Lower Upper
248 100
250 182.8 77.6 116.4#
141 372.3 34.2 51.4#



#71
Phenanthrene
Concen: 3.999 ng
RT: 17.354 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

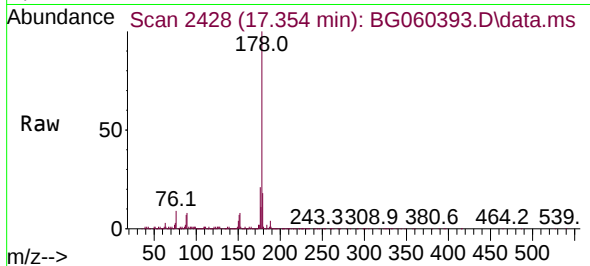
Tgt Ion:178 Resp: 327134
Ion Ratio Lower Upper
178 100
176 20.7 17.4 26.2
179 17.7 14.7 22.1



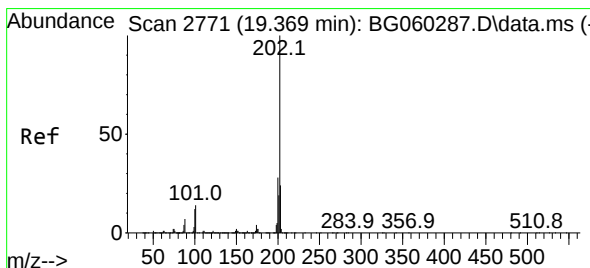
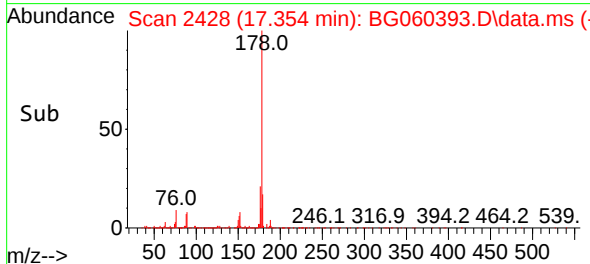
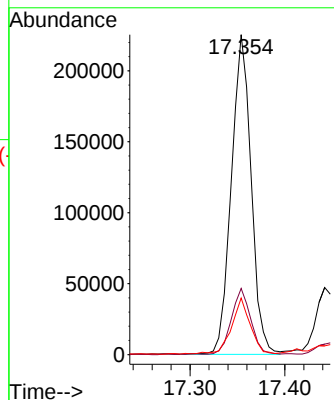


#72
 Anthracene
 Concen: 4.006 ng
 RT: 17.354 min Scan# 2444
 Delta R.T. -0.094 min
 Lab File: BG060393.D
 Acq: 22 Jan 2024 20:29

Instrument :
 BNA_G
 ClientSampleId :

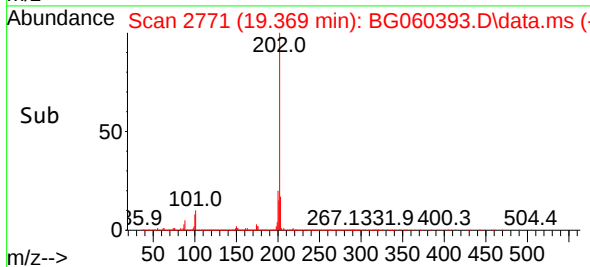
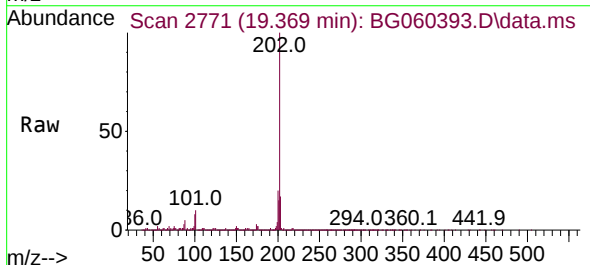
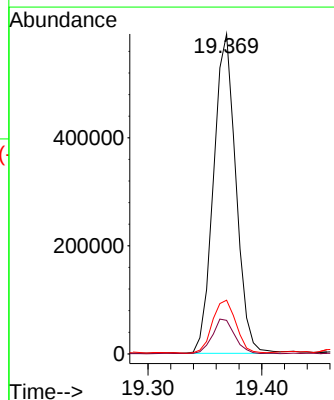


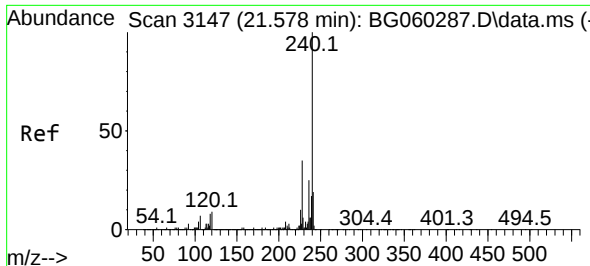
Tgt Ion:178 Resp: 327134
 Ion Ratio Lower Upper
 178 100
 176 20.7 17.8 26.6
 179 17.7 14.1 21.1



#75
 Fluoranthene
 Concen: 8.229 ng
 RT: 19.369 min Scan# 2771
 Delta R.T. 0.000 min
 Lab File: BG060393.D
 Acq: 22 Jan 2024 20:29

Tgt Ion:202 Resp: 808489
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 34.4
 203 16.8 4.0 44.0

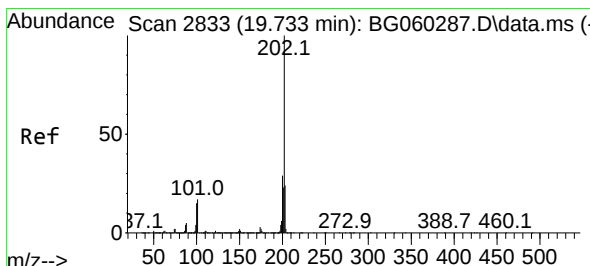
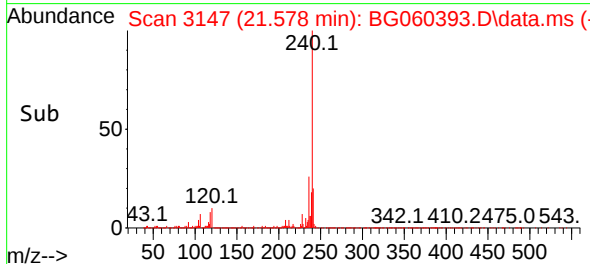
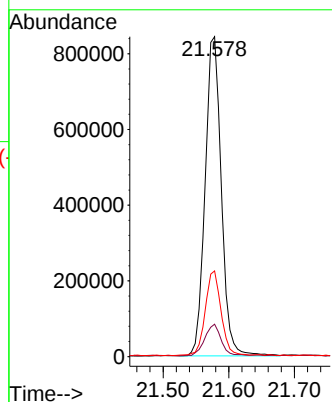
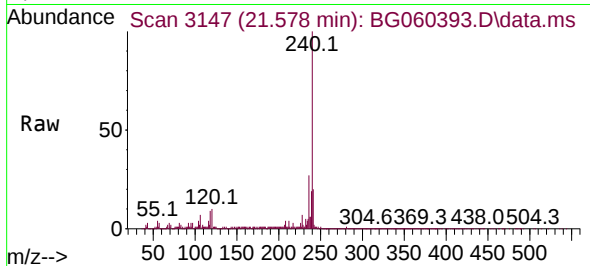




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3147
Delta R.T. 0.000 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

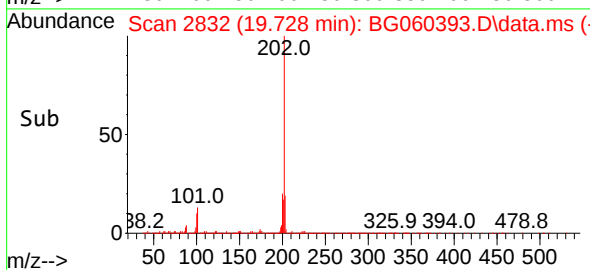
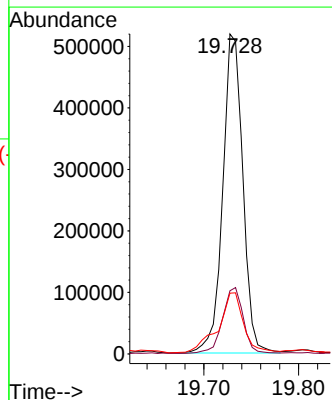
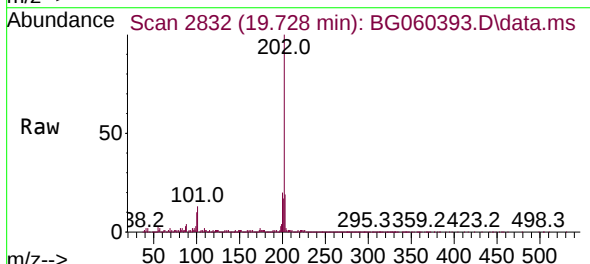
Instrument :
BNA_G
ClientSampleId :

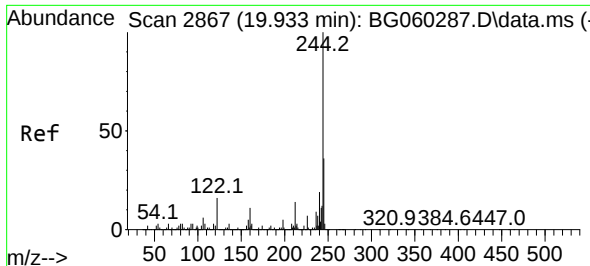
Tgt Ion:240 Resp: 1441979
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 26.8 20.3 30.5



#78
Pyrene
Concen: 8.299 ng
RT: 19.728 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion:202 Resp: 764221
Ion Ratio Lower Upper
202 100
200 19.7 23.5 35.3#
203 19.0 19.6 29.4#





#79

Terphenyl-d14

Concen: 45.489 ng

RT: 19.927 min Scan# 2866

Delta R.T. -0.006 min

Lab File: BG060393.D

Acq: 22 Jan 2024 20:29

Instrument :

BNA_G

ClientSampleId :

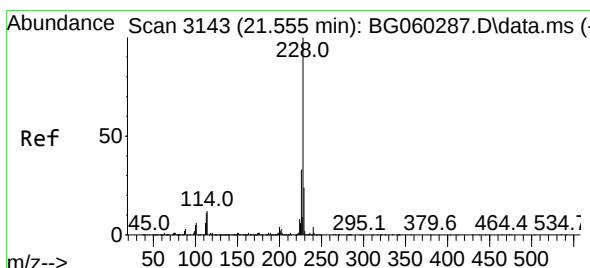
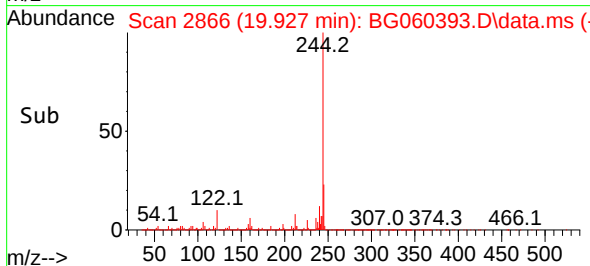
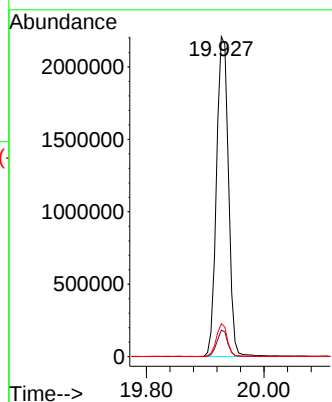
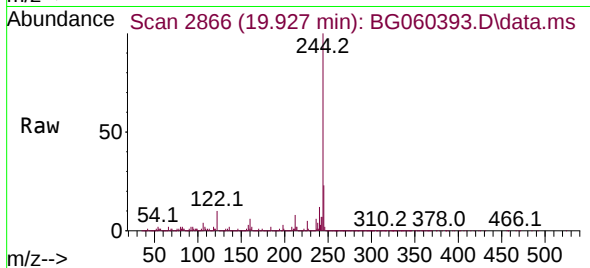
Tgt Ion:244 Resp: 3119791

Ion Ratio Lower Upper

244 100

212 8.3 10.9 16.3#

122 10.3 12.6 18.8#



#81

Benzo(a)anthracene

Concen: 4.676 ng

RT: 21.555 min Scan# 3143

Delta R.T. 0.000 min

Lab File: BG060393.D

Acq: 22 Jan 2024 20:29

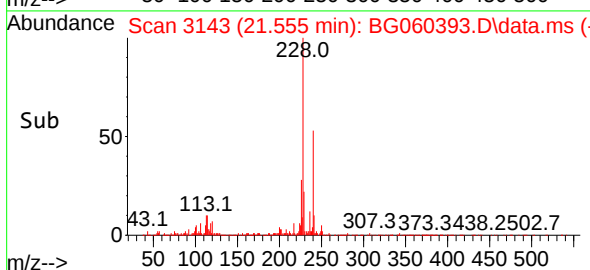
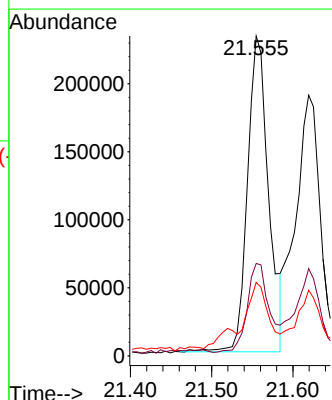
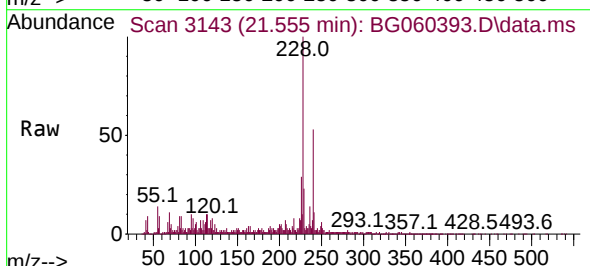
Tgt Ion:228 Resp: 417382

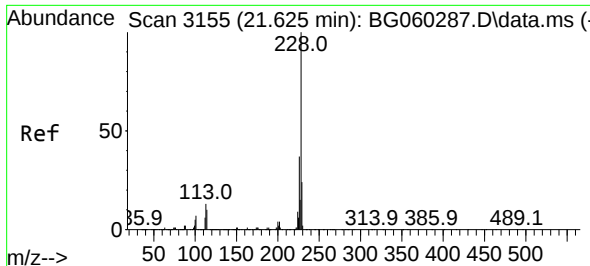
Ion Ratio Lower Upper

228 100

226 28.9 26.2 39.2

229 23.0 19.4 29.2

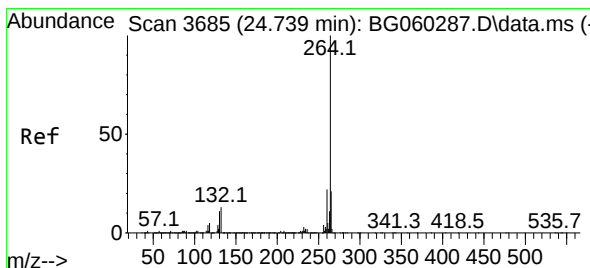
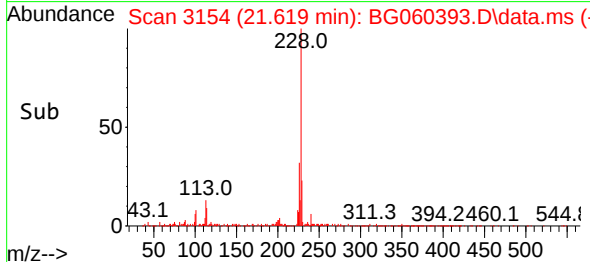
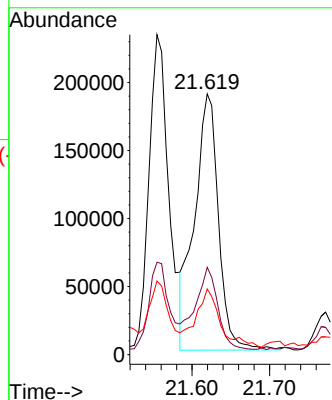
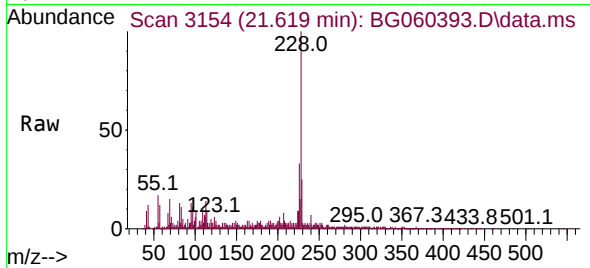




#83
Chrysene
Concen: 4.621 ng
RT: 21.619 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

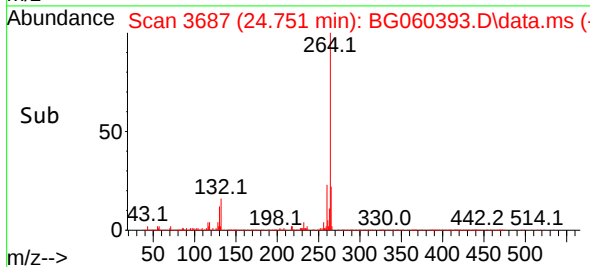
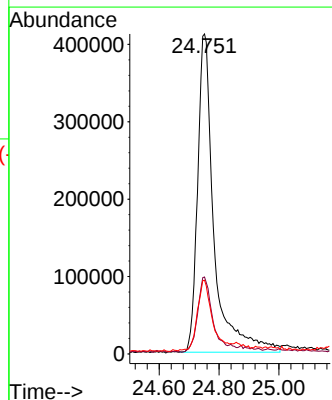
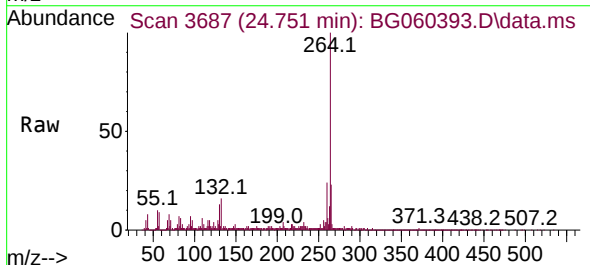
Instrument :
BNA_G
ClientSampleId :

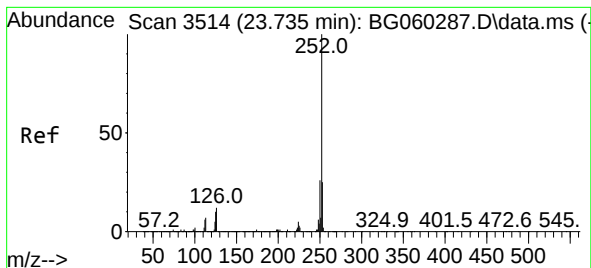
Tgt Ion:228 Resp: 405701
Ion Ratio Lower Upper
228 100
226 33.5 29.4 44.2
229 25.2 19.2 28.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.751 min Scan# 3687
Delta R.T. 0.012 min
Lab File: BG060393.D
Acq: 22 Jan 2024 20:29

Tgt Ion:264 Resp: 1569946
Ion Ratio Lower Upper
264 100
260 24.0 17.8 26.6
265 23.0 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 5.133 ng

RT: 23.746 min Scan# 3516

Delta R.T. 0.012 min

Lab File: BG060393.D

Acq: 22 Jan 2024 20:29

Instrument :

BNA_G

ClientSampleId :

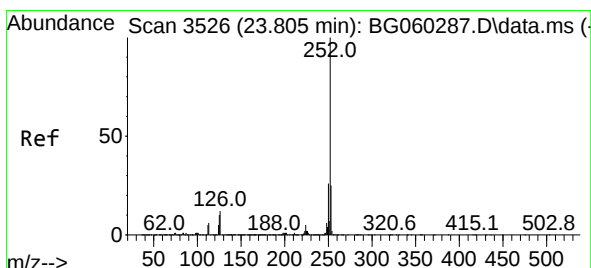
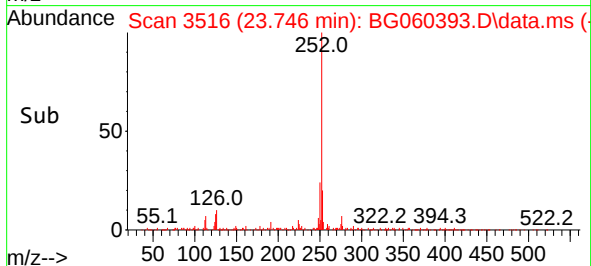
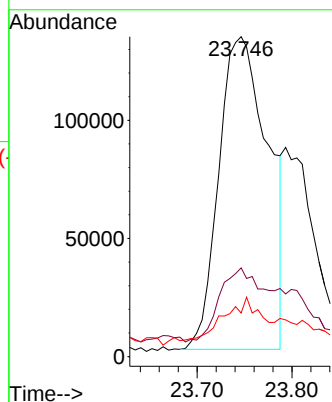
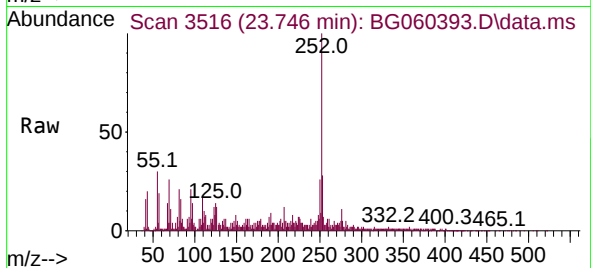
Tgt Ion:252 Resp: 476049

Ion Ratio Lower Upper

252 100

253 27.7 20.0 30.0

125 13.6 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 5.201 ng

RT: 23.746 min Scan# 3516

Delta R.T. -0.059 min

Lab File: BG060393.D

Acq: 22 Jan 2024 20:29

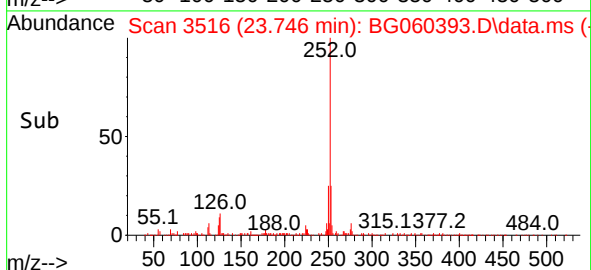
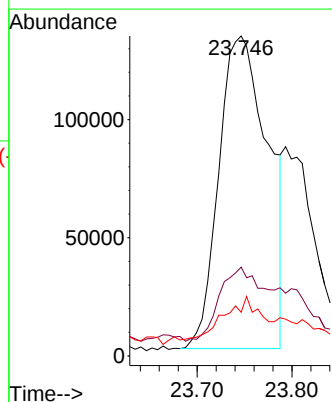
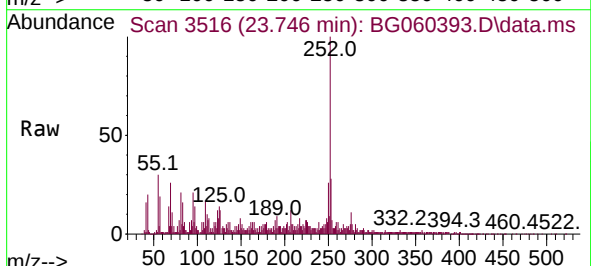
Tgt Ion:252 Resp: 476049

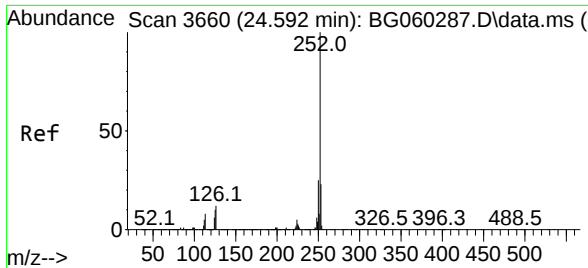
Ion Ratio Lower Upper

252 100

253 27.7 19.6 29.4

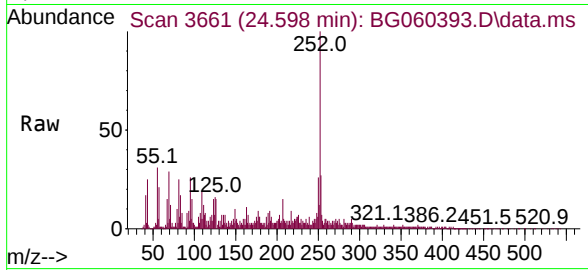
125 13.6 8.2 12.2#





#90
 Benzo(a)pyrene
 Concen: 4.189 ng
 RT: 24.598 min Scan# 3661
 Delta R.T. 0.006 min
 Lab File: BG060393.D
 Acq: 22 Jan 2024 20:29

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:252 Resp: 350973
 Ion Ratio Lower Upper
 252 100
 253 26.8 18.1 27.1
 125 15.8 8.1 12.1#

