

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059732.D
 Acq On : 17 Nov 2023 15:07
 Operator : MA/JU
 Sample : 05377-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 17 15:50:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

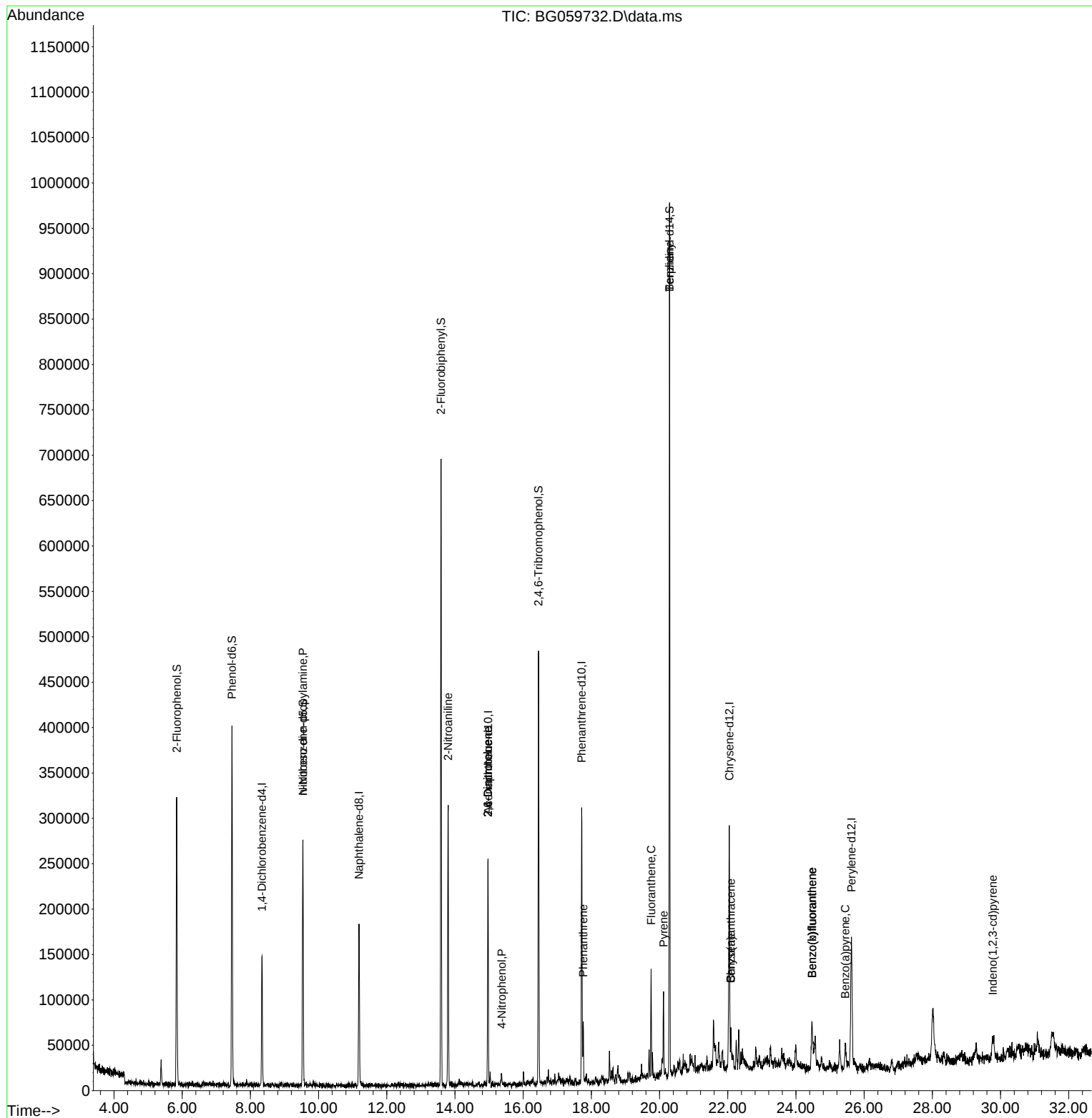
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.342	152	30446	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	125393	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	74834	20.000	ng	# 0.00
64) Phenanthrene-d10	17.713	188	155064	20.000	ng	# 0.00
76) Chrysene-d12	22.044	240	139609	20.000	ng	0.00
86) Perylene-d12	25.628	264	169714	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.839	112	120606	66.674	ng	0.01
7) Phenol-d6	7.455	99	177490	66.213	ng	0.00
23) Nitrobenzene-d5	9.541	82	161309	49.131	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	58828	69.284	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	289209	52.020	ng	0.00
79) Terphenyl-d14	20.293	244	384670	40.676	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.541	70	29206	13.836	ng	# 79
48) 2-Nitroaniline	13.800	65	9338	6.480	ng	# 15
51) 2,6-Dinitrotoluene	14.964	165	9171	8.336	ng	# 1
56) 4-Nitrophenol	15.369	139	3866	3.924	ng	# 1
57) 2,4-Dinitrotoluene	14.964	165	9171	5.421	ng	# 3
71) Phenanthrene	17.760	178	37761	4.790	ng	# 91
75) Fluoranthene	19.752	202	65799	6.960	ng	97
77) Benzidine	20.293	184	12272	3.877	ng	# 94
78) Pyrene	20.116	202	52077	5.482	ng	# 92
81) Benzo(a)anthracene	22.091	228	27335	2.862	ng	95
83) Chrysene	22.091	228	27335	3.122	ng	96
87) Indeno(1,2,3-cd)pyrene	29.776	276	38324	2.984	ng	# 73
88) Benzo(b)fluoranthene	24.470	252	46668	5.017	ng	# 100
89) Benzo(k)fluoranthene	24.470	252	46668	5.075	ng	# 97
90) Benzo(a)pyrene	25.445	252	33543	3.379	ng	# 94

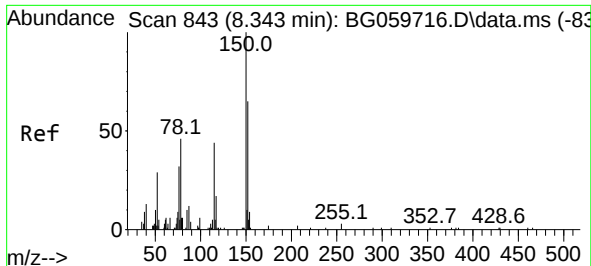
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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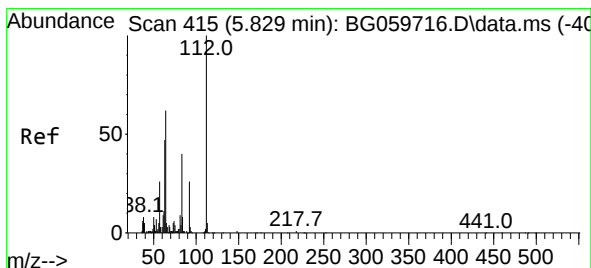
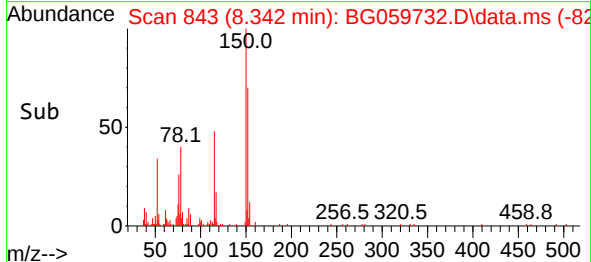
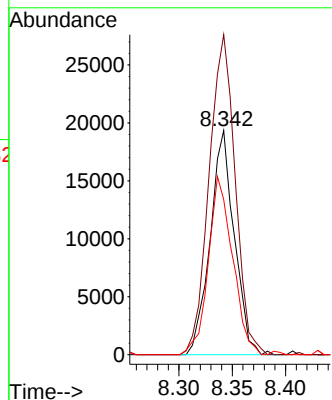
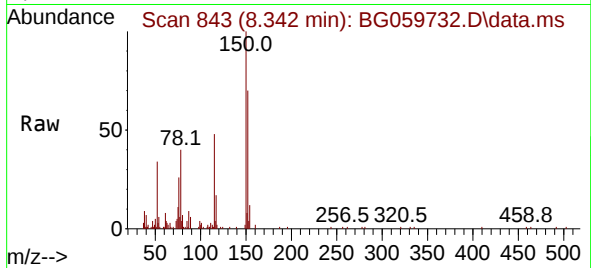




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.342 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

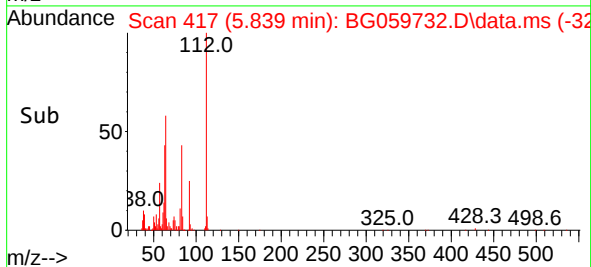
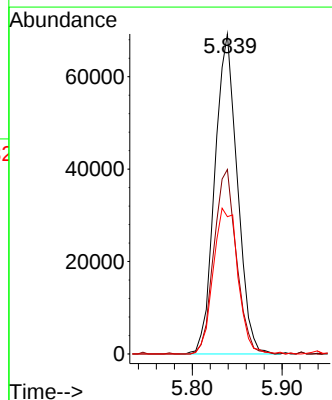
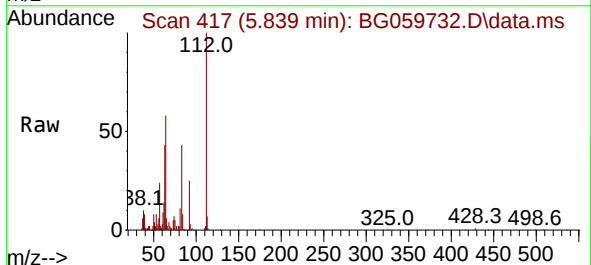
Instrument :
BNA_G
ClientSampleId :

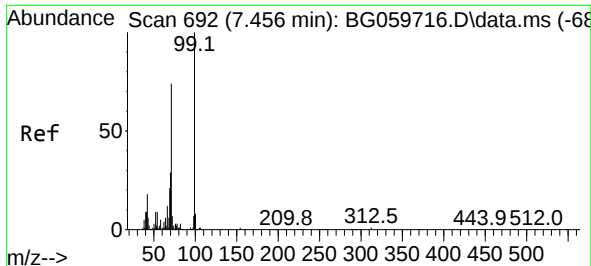
Tgt Ion:152 Resp: 30446
Ion Ratio Lower Upper
152 100
150 142.7 122.2 183.4
115 69.1 54.2 81.4



#5
2-Fluorophenol
Concen: 66.674 ng
RT: 5.839 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:112 Resp: 120606
Ion Ratio Lower Upper
112 100
64 57.6 49.5 74.3
63 42.9 37.4 56.2

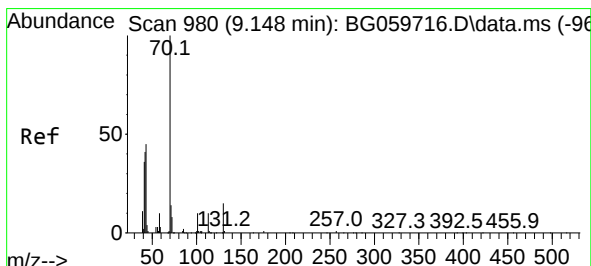
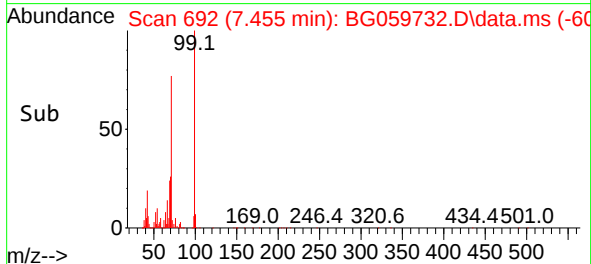
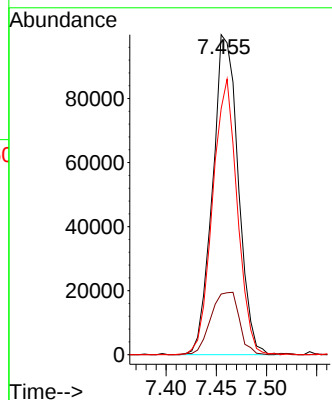
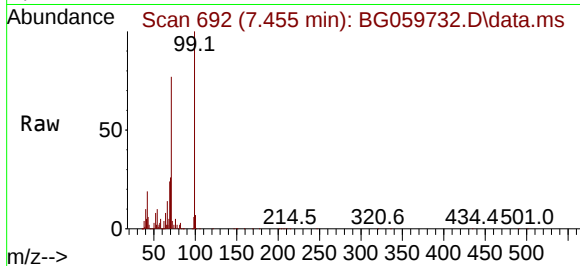




#7
Phenol-d6
Concen: 66.213 ng
RT: 7.455 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

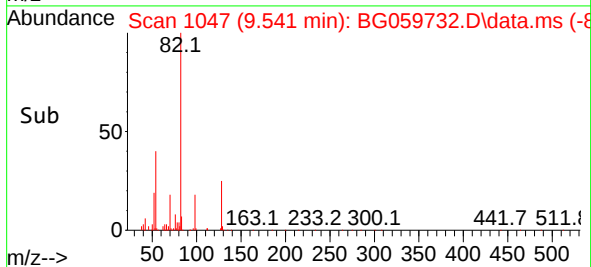
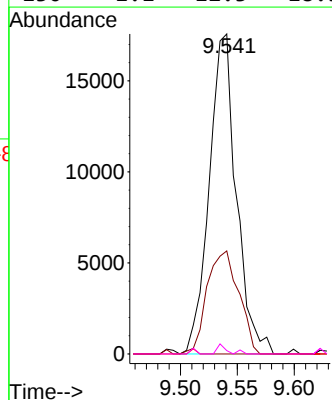
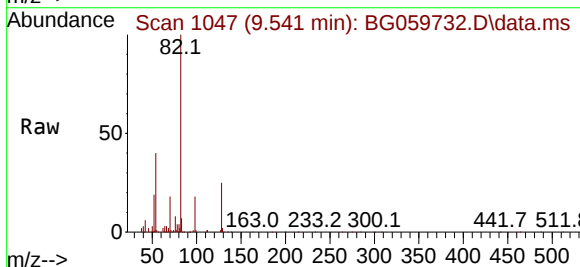
Instrument :
BNA_G
ClientSampleId :

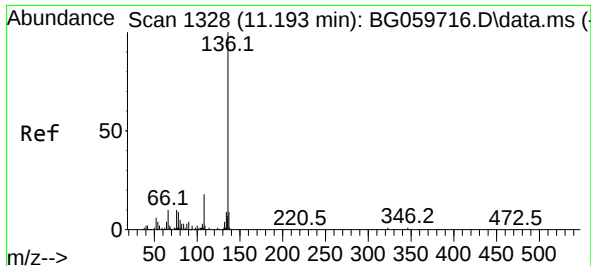
Tgt Ion: 99 Resp: 177490
Ion Ratio Lower Upper
99 100
42 19.0 14.3 21.5
71 76.9 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.836 ng
RT: 9.541 min Scan# 1047
Delta R.T. 0.392 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion: 70 Resp: 29206
Ion Ratio Lower Upper
70 100
42 32.2 32.8 49.2#
101 0.0 7.7 11.5#
130 1.1 12.3 18.5#

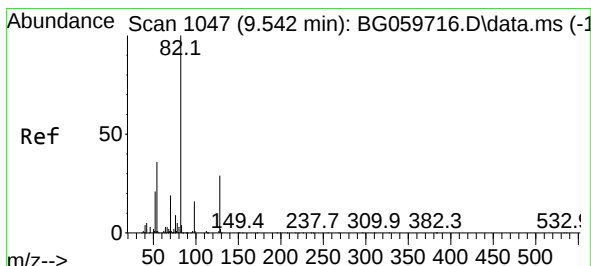
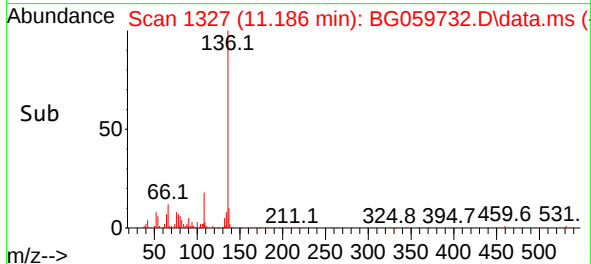
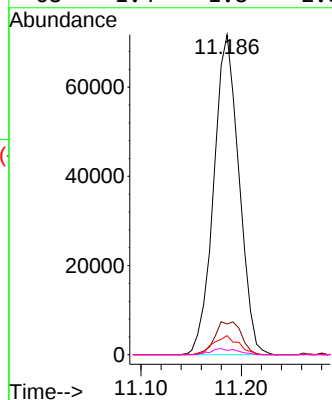
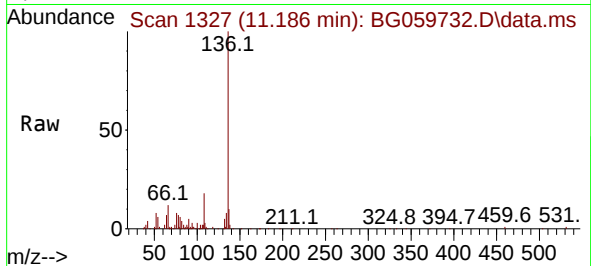




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 1118
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

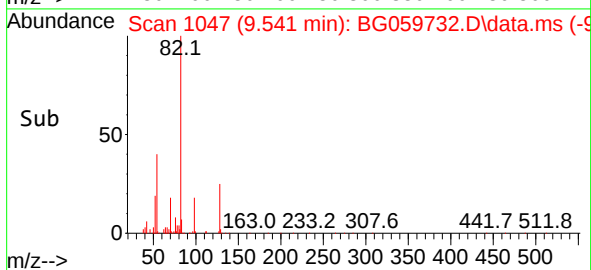
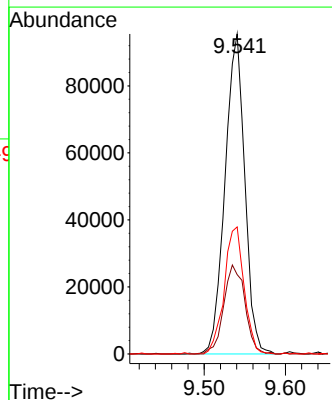
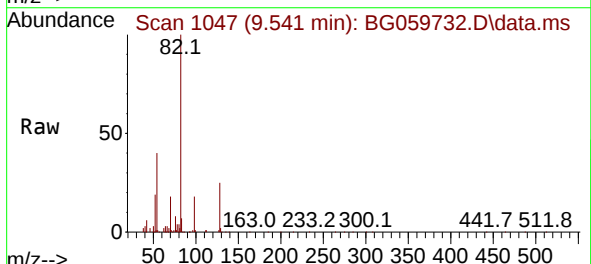
Instrument :
BNA_G
ClientSampleId :

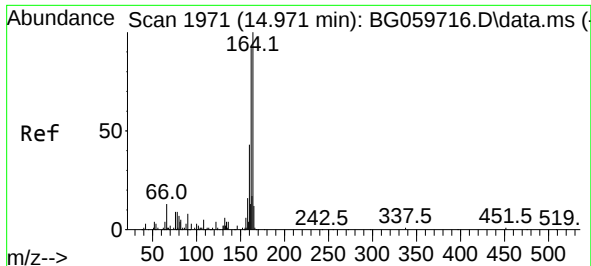
Tgt Ion:136 Resp: 125393
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.0
54 5.9 3.1 4.7#
68 1.4 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 49.131 ng
RT: 9.541 min Scan# 1047
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion: 82 Resp: 161309
Ion Ratio Lower Upper
82 100
128 24.8 23.0 34.6
54 39.7 28.7 43.1

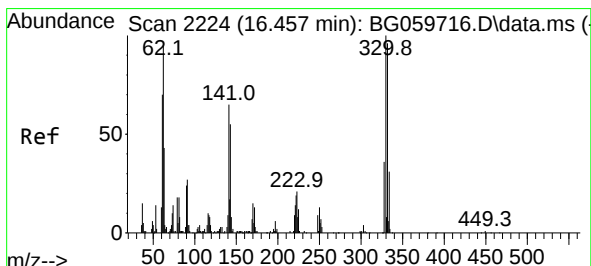
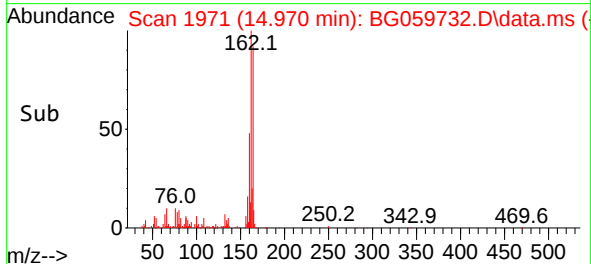
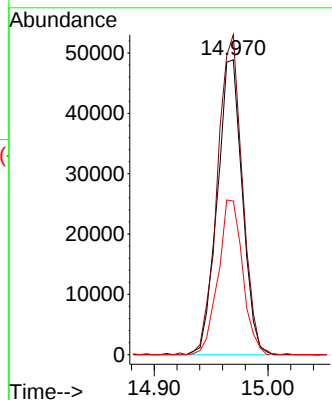
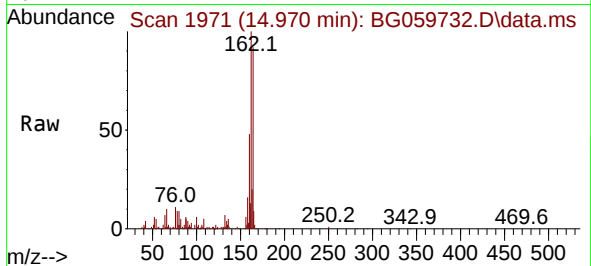




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

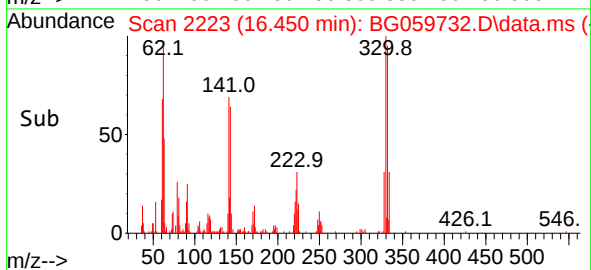
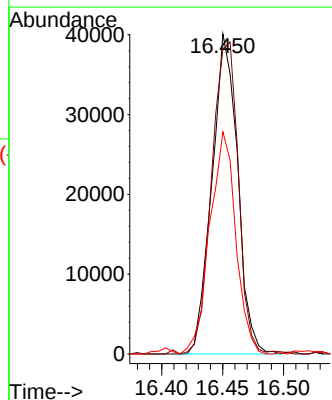
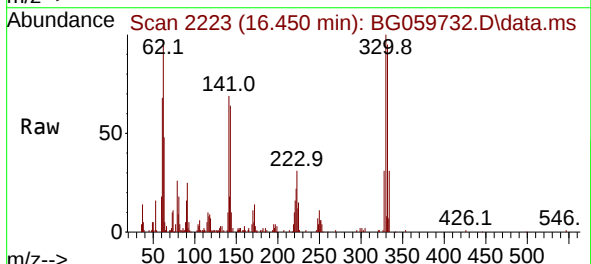
Instrument :
BNA_G
ClientSampleId :

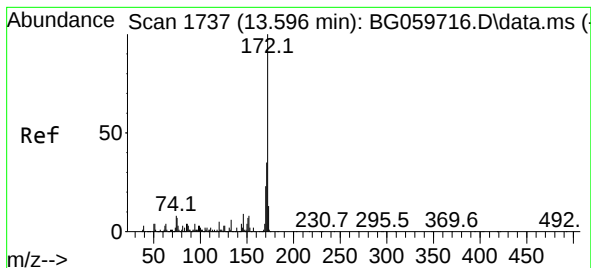
Tgt Ion:164 Resp: 74834
Ion Ratio Lower Upper
164 100
162 108.5 73.3 109.9
160 52.1 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 69.284 ng
RT: 16.450 min Scan# 2223
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:330 Resp: 58828
Ion Ratio Lower Upper
330 100
332 101.5 73.3 109.9
141 70.0 52.1 78.1

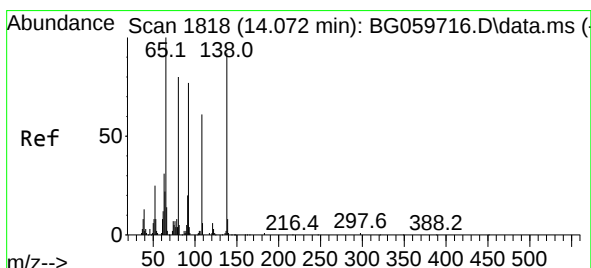
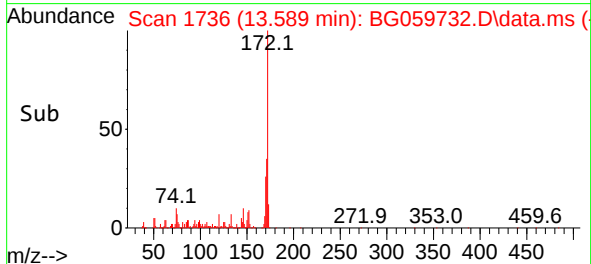
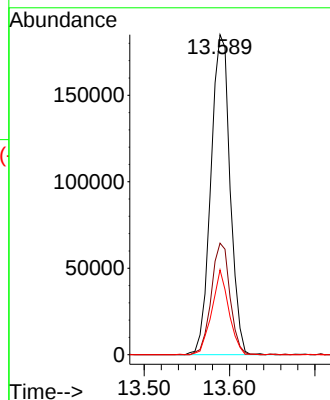
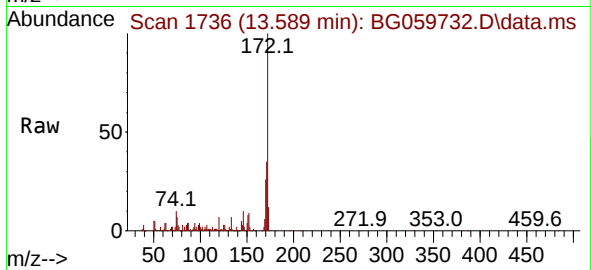




#45
2-Fluorobiphenyl
Concen: 52.020 ng
RT: 13.589 min Scan# 1736
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

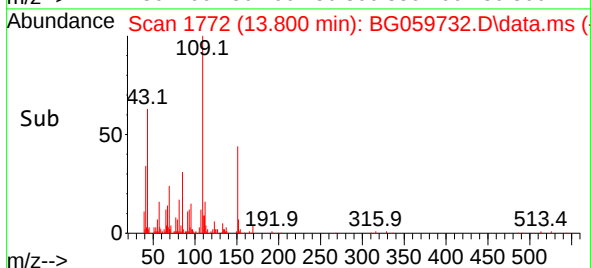
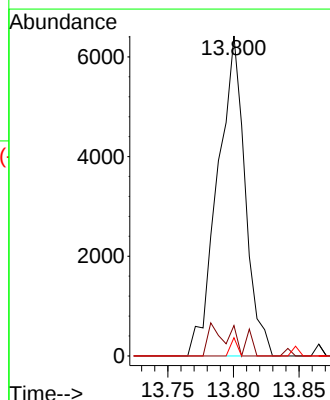
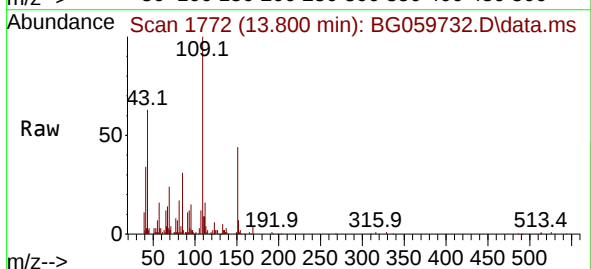
Instrument :
BNA_G
ClientSampleId :

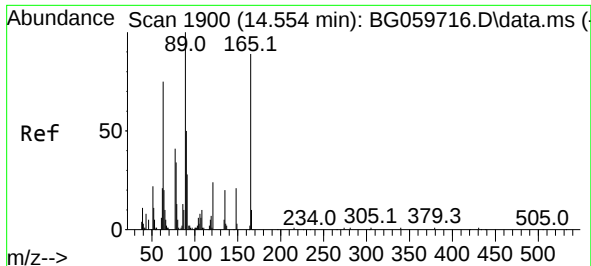
Tgt Ion:172 Resp: 289209
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 26.5 18.4 27.6



#48
2-Nitroaniline
Concen: 6.480 ng
RT: 13.800 min Scan# 1772
Delta R.T. -0.272 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion: 65 Resp: 9338
Ion Ratio Lower Upper
65 100
92 9.5 61.2 91.8#
138 5.7 73.8 110.6#





#51

2,6-Dinitrotoluene

Concen: 8.336 ng

RT: 14.964 min Scan# 1900

Delta R.T. 0.410 min

Lab File: BG059732.D

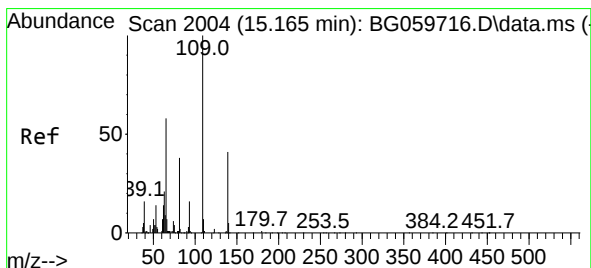
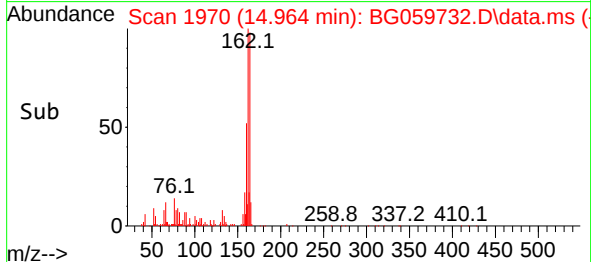
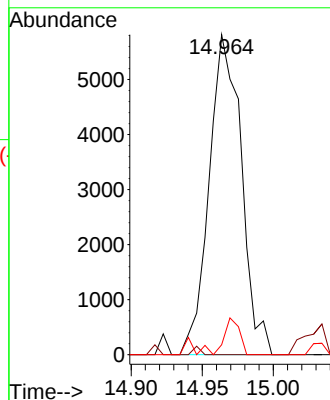
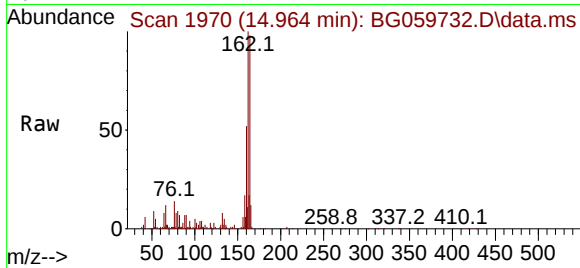
Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:165	Resp:	9171
Ion Ratio	Lower	Upper
165	100	
63	0.0	75.3 112.9#
89	3.1	90.9 136.3#



#56

4-Nitrophenol

Concen: 3.924 ng

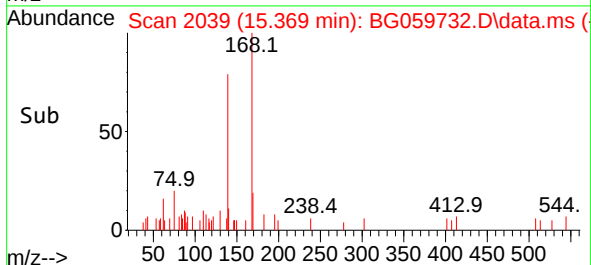
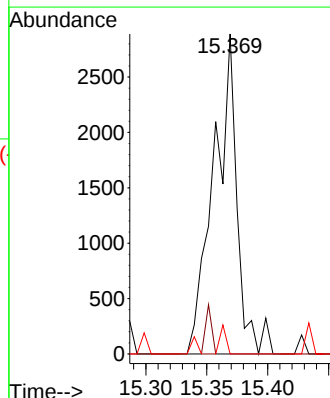
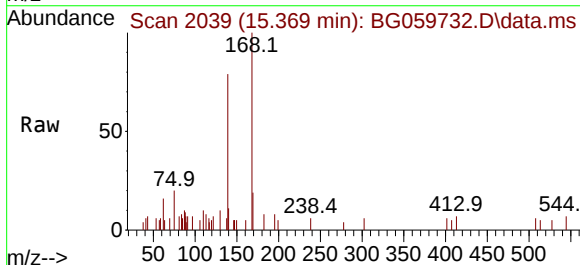
RT: 15.369 min Scan# 2039

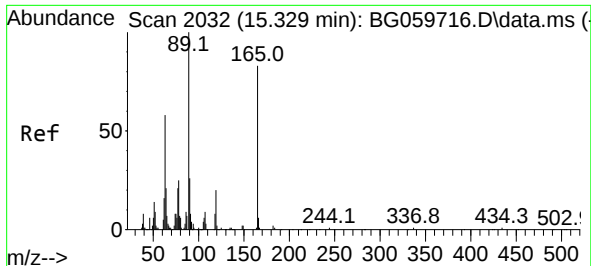
Delta R.T. 0.204 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

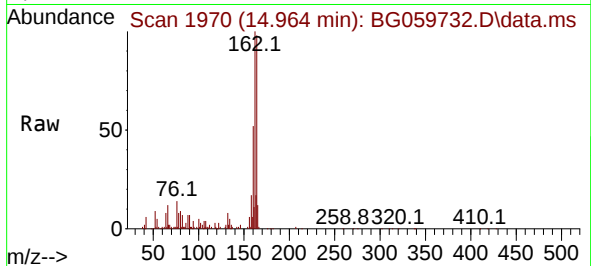
Tgt Ion:139	Resp:	3866
Ion Ratio	Lower	Upper
139	100	
109	0.0	223.4 263.4#
65	0.0	120.6 160.6#



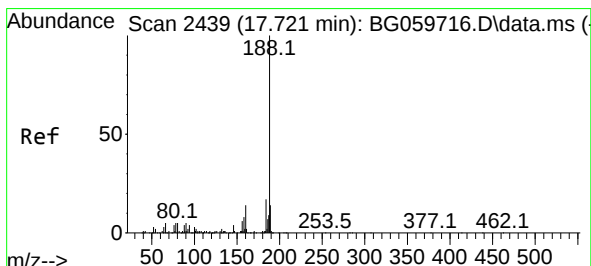
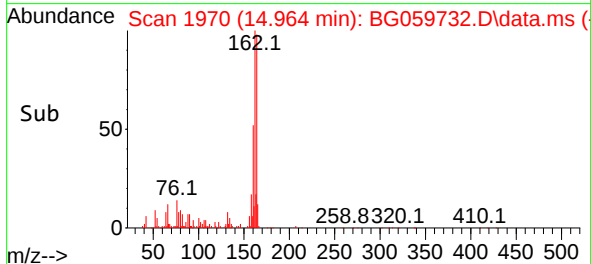
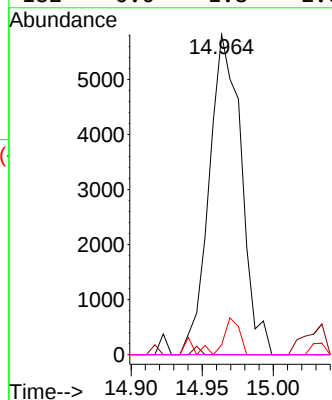


#57
2,4-Dinitrotoluene
Concen: 5.421 ng
RT: 14.964 min Scan# 1970
Delta R.T. -0.366 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Instrument :
BNA_G
ClientSampleId :

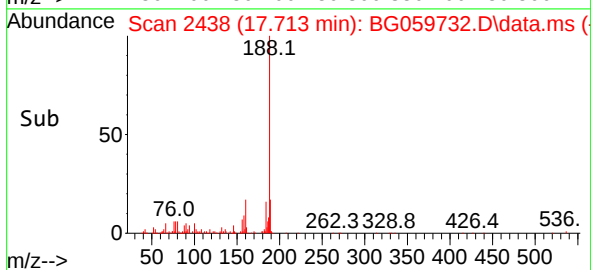
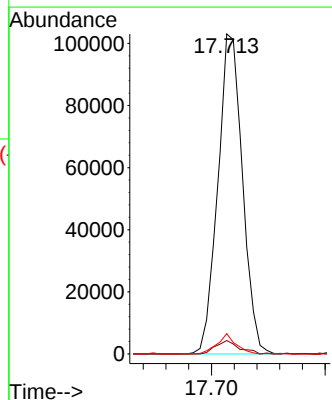
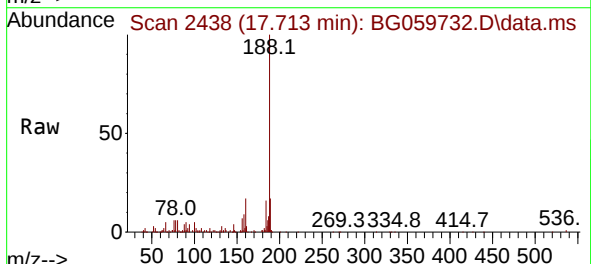


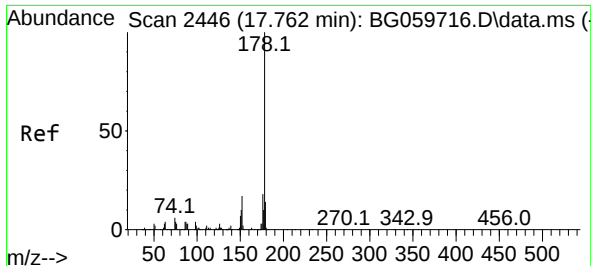
Tgt Ion:165 Resp: 9171
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 3.1 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:188 Resp: 155064
Ion Ratio Lower Upper
188 100
94 4.2 3.0 4.4
80 6.4 4.2 6.4#

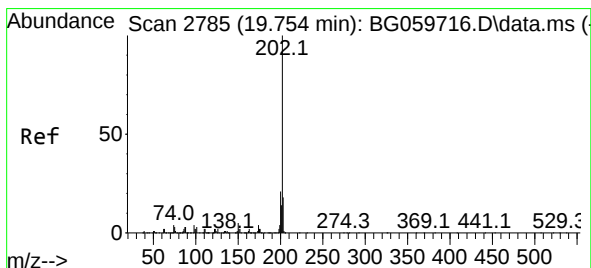
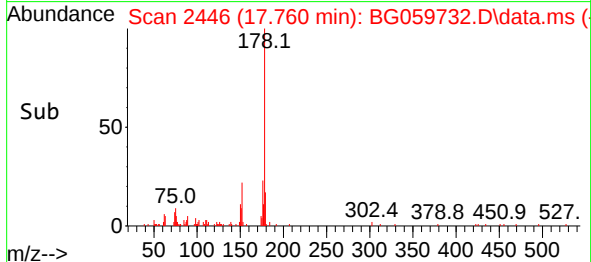
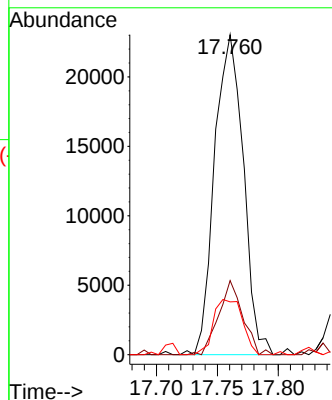
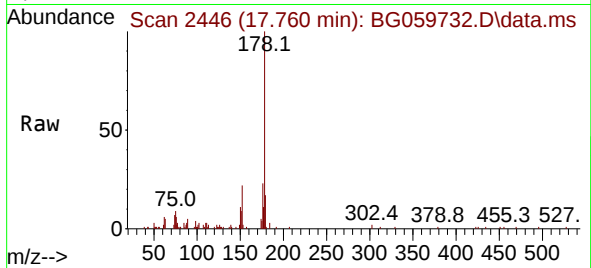




#71
Phenanthrene
Concen: 4.790 ng
RT: 17.760 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

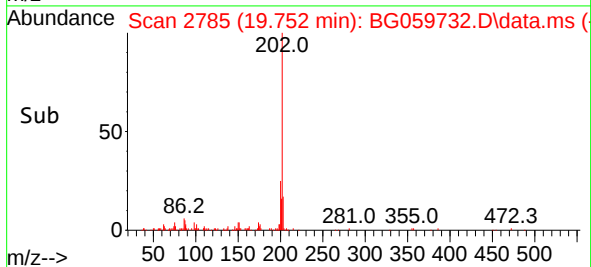
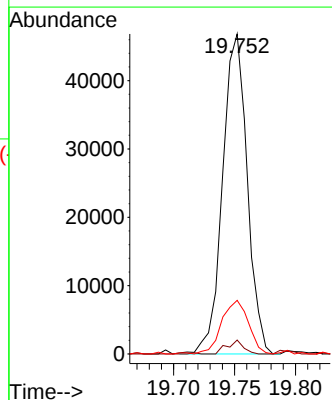
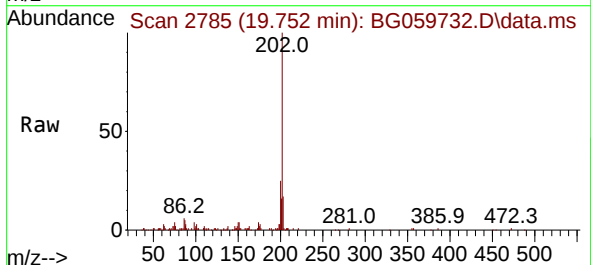
Instrument :
BNA_G
ClientSampleId :

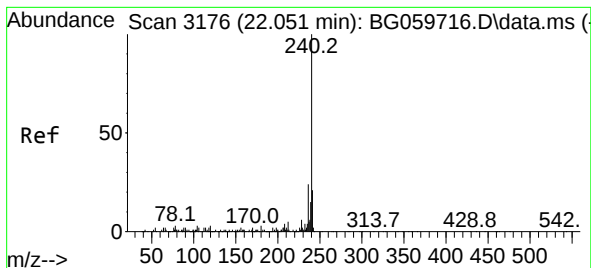
Tgt Ion:178 Resp: 37761
Ion Ratio Lower Upper
178 100
176 23.2 14.5 21.7#
179 16.5 11.2 16.8



#75
Fluoranthene
Concen: 6.960 ng
RT: 19.752 min Scan# 2785
Delta R.T. -0.001 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:202 Resp: 65799
Ion Ratio Lower Upper
202 100
101 4.4 0.0 22.7
203 16.8 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.044 min Scan# 3175

Delta R.T. -0.007 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

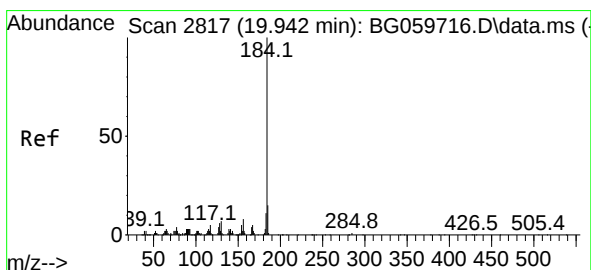
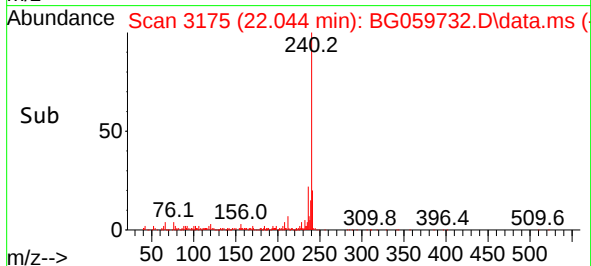
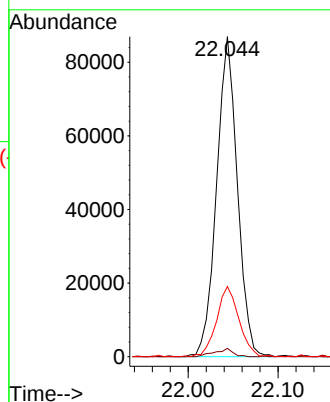
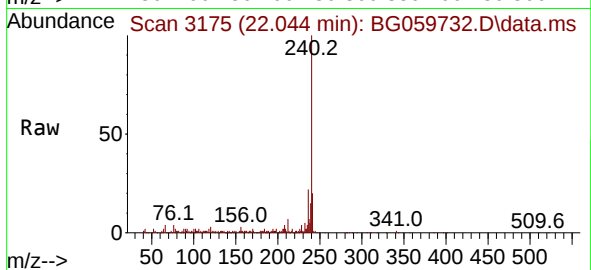
Tgt Ion:240 Resp: 139609

Ion Ratio Lower Upper

240 100

120 2.6 2.2 3.2

236 21.9 19.4 29.2



#77

Benzidine

Concen: 3.877 ng

RT: 20.293 min Scan# 2877

Delta R.T. 0.351 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

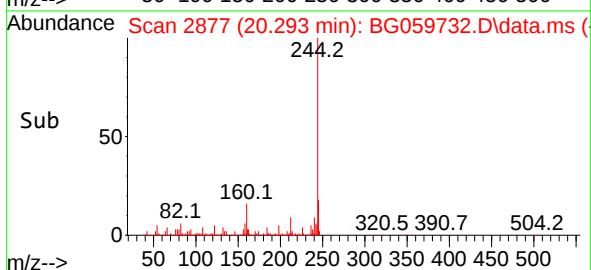
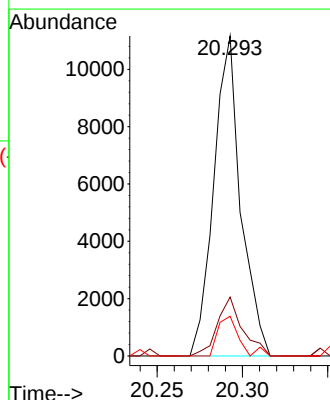
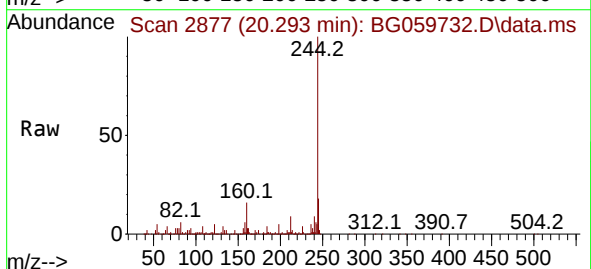
Tgt Ion:184 Resp: 12272

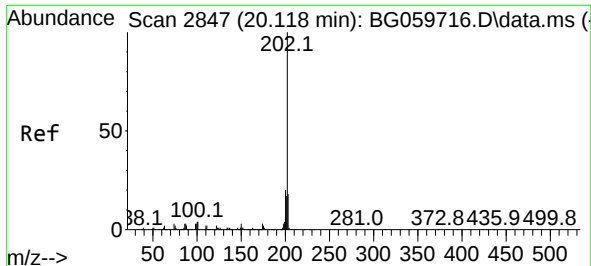
Ion Ratio Lower Upper

184 100

185 18.4 12.2 18.2#

183 12.4 8.8 13.2

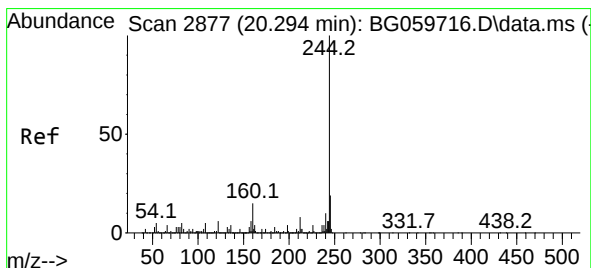
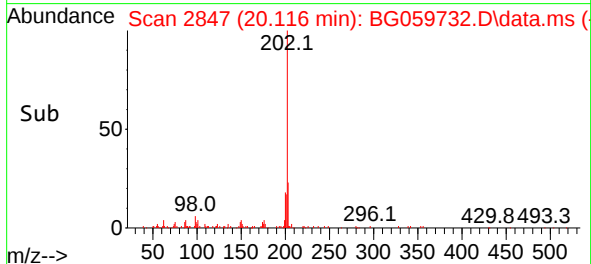
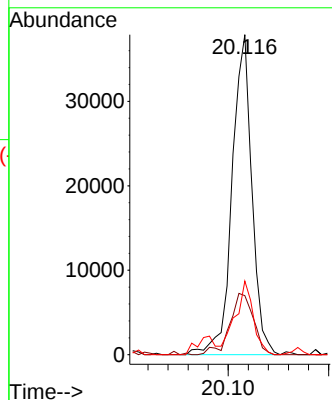
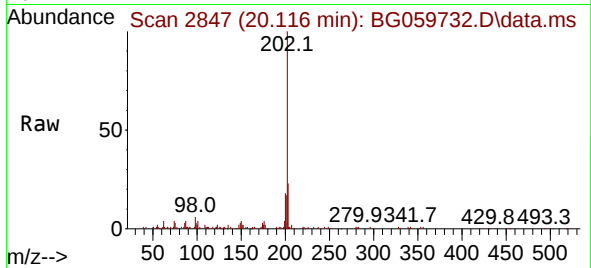




#78
 Pyrene
 Concen: 5.482 ng
 RT: 20.116 min Scan# 2847
 Delta R.T. -0.001 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07

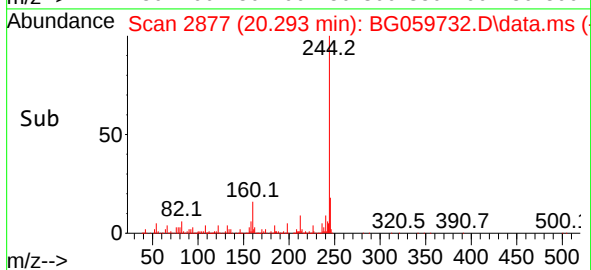
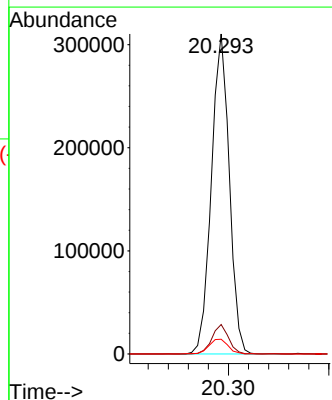
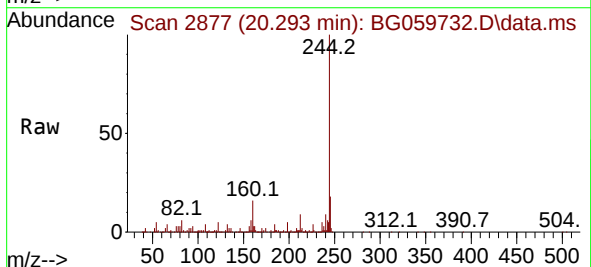
Instrument :
 BNA_G
 ClientSampleId :

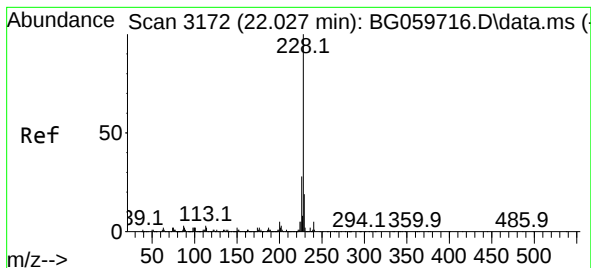
Tgt Ion:202 Resp: 52077
 Ion Ratio Lower Upper
 202 100
 200 18.5 16.2 24.4
 203 23.0 14.0 21.0#



#79
 Terphenyl-d14
 Concen: 40.676 ng
 RT: 20.293 min Scan# 2877
 Delta R.T. -0.001 min
 Lab File: BG059732.D
 Acq: 17 Nov 2023 15:07

Tgt Ion:244 Resp: 384670
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.6 10.0
 122 4.6 4.4 6.6





#81

Benzo(a)anthracene

Concen: 2.862 ng

RT: 22.091 min Scan# 3183

Delta R.T. 0.063 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

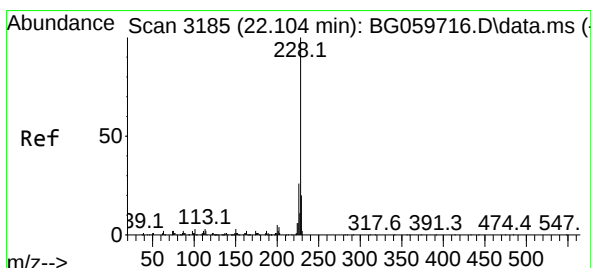
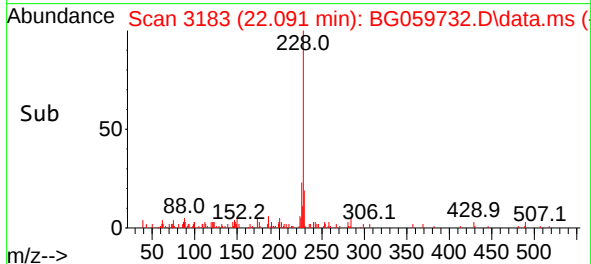
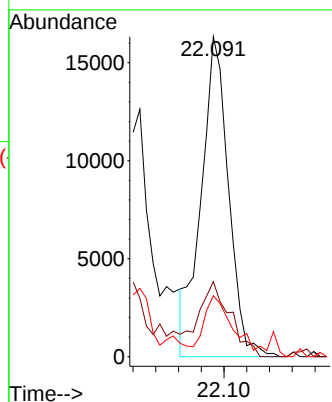
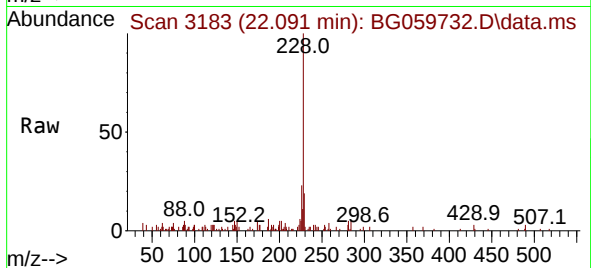
Tgt Ion:228 Resp: 27335

Ion Ratio Lower Upper

228 100

226 23.4 22.1 33.1

229 19.0 14.9 22.3



#83

Chrysene

Concen: 3.122 ng

RT: 22.091 min Scan# 3183

Delta R.T. -0.013 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

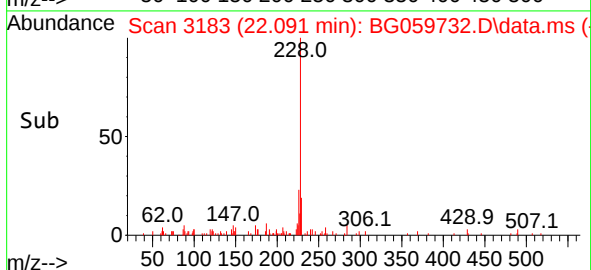
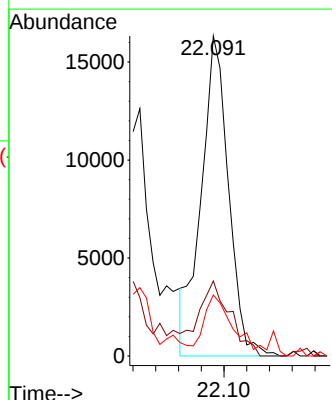
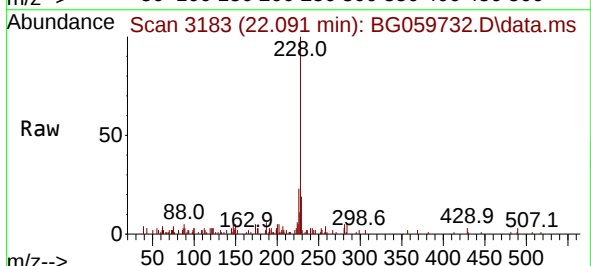
Tgt Ion:228 Resp: 27335

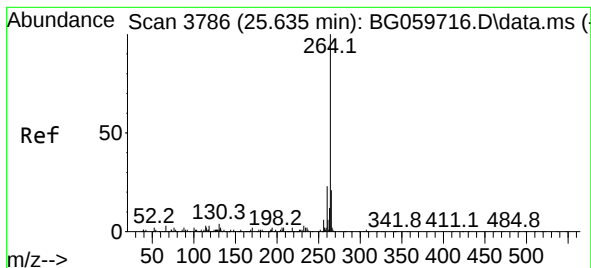
Ion Ratio Lower Upper

228 100

226 23.4 21.1 31.7

229 19.0 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.628 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :

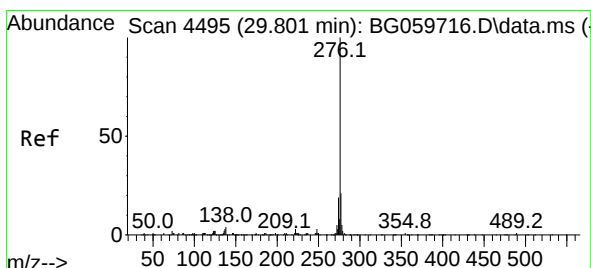
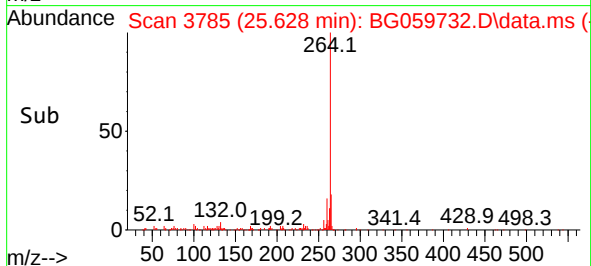
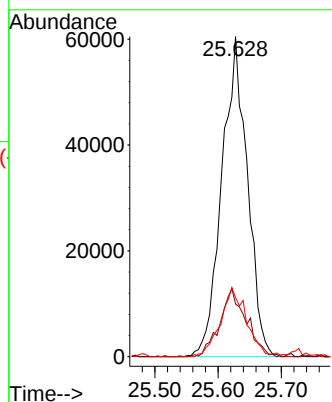
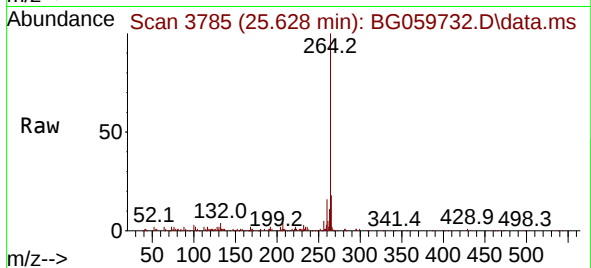
Tgt Ion:264 Resp: 169714

Ion Ratio Lower Upper

264 100

260 16.4 18.5 27.7#

265 18.5 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.984 ng

RT: 29.776 min Scan# 4491

Delta R.T. -0.025 min

Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

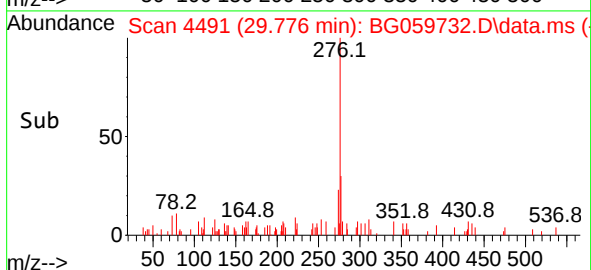
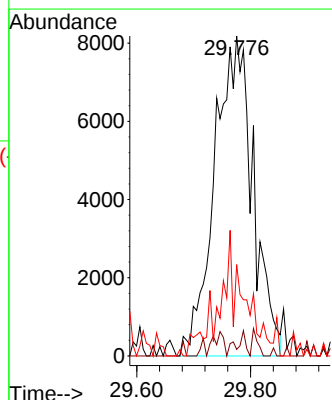
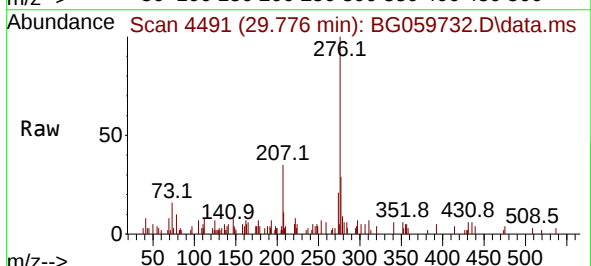
Tgt Ion:276 Resp: 38324

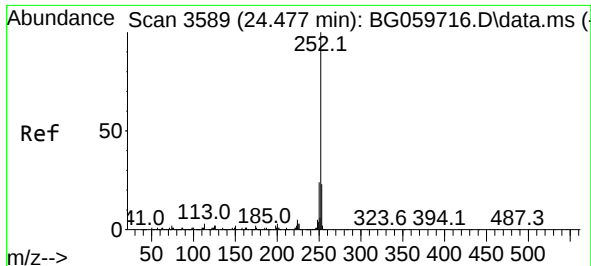
Ion Ratio Lower Upper

276 100

138 1.0 1.8 2.6#

277 0.0 9.8 14.6#

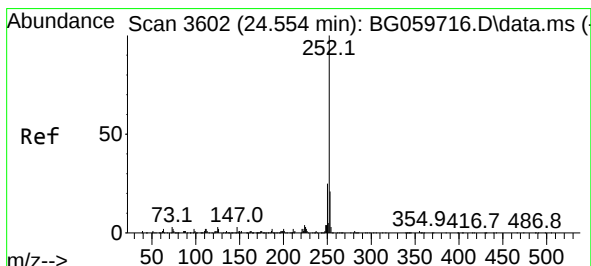
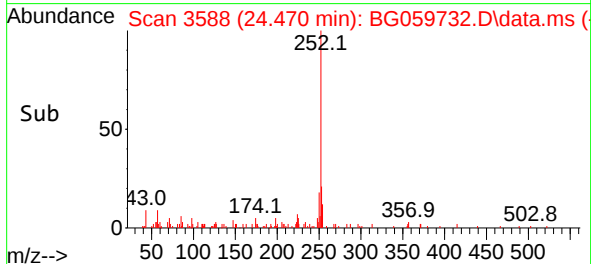
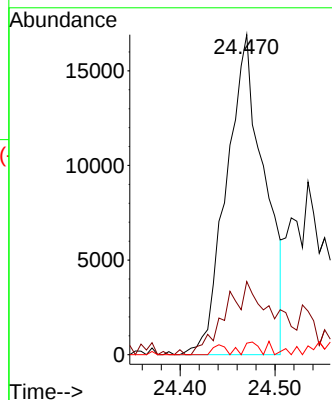
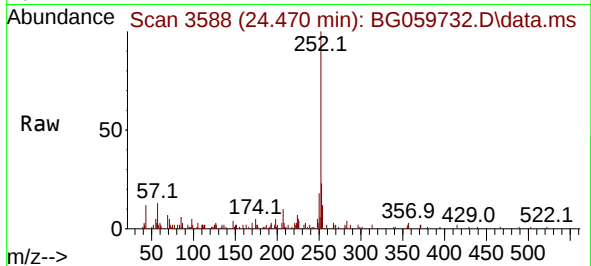




#88
Benzo(b)fluoranthene
Concen: 5.017 ng
RT: 24.470 min Scan# 3589
Delta R.T. -0.007 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

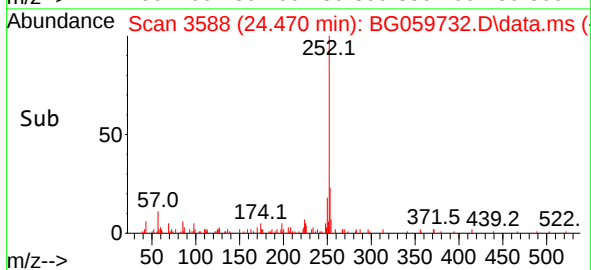
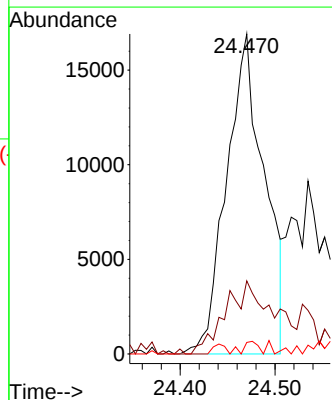
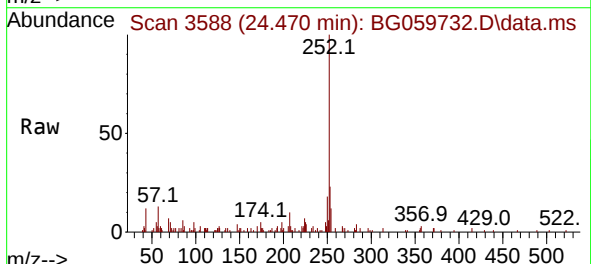
Instrument :
BNA_G
ClientSampleId :

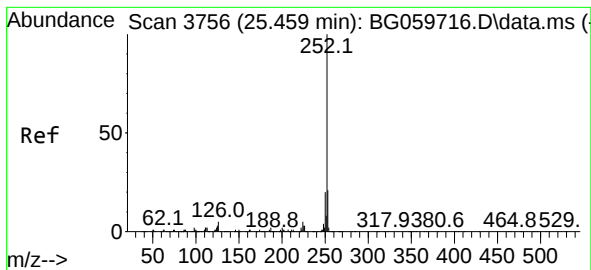
Tgt Ion:252 Resp: 46668
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 3.6 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 5.075 ng
RT: 24.470 min Scan# 3588
Delta R.T. -0.084 min
Lab File: BG059732.D
Acq: 17 Nov 2023 15:07

Tgt Ion:252 Resp: 46668
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 3.6 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 3.379 ng

RT: 25.445 min Scan# 31

Delta R.T. -0.013 min

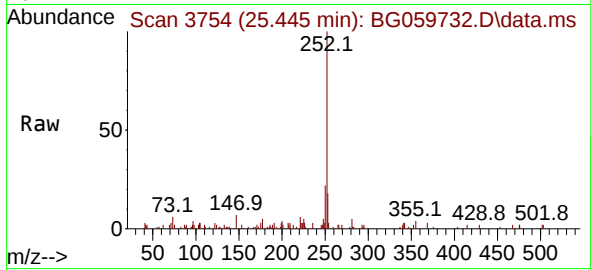
Lab File: BG059732.D

Acq: 17 Nov 2023 15:07

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:252 Resp: 33543

Ion Ratio Lower Upper

252 100

253 18.2 16.8 25.2

125 0.0 2.0 3.0#

