

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059733.D
 Acq On : 17 Nov 2023 15:47
 Operator : MA/JU
 Sample : 05377-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 360

Quant Time: Nov 17 17:03:04 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)

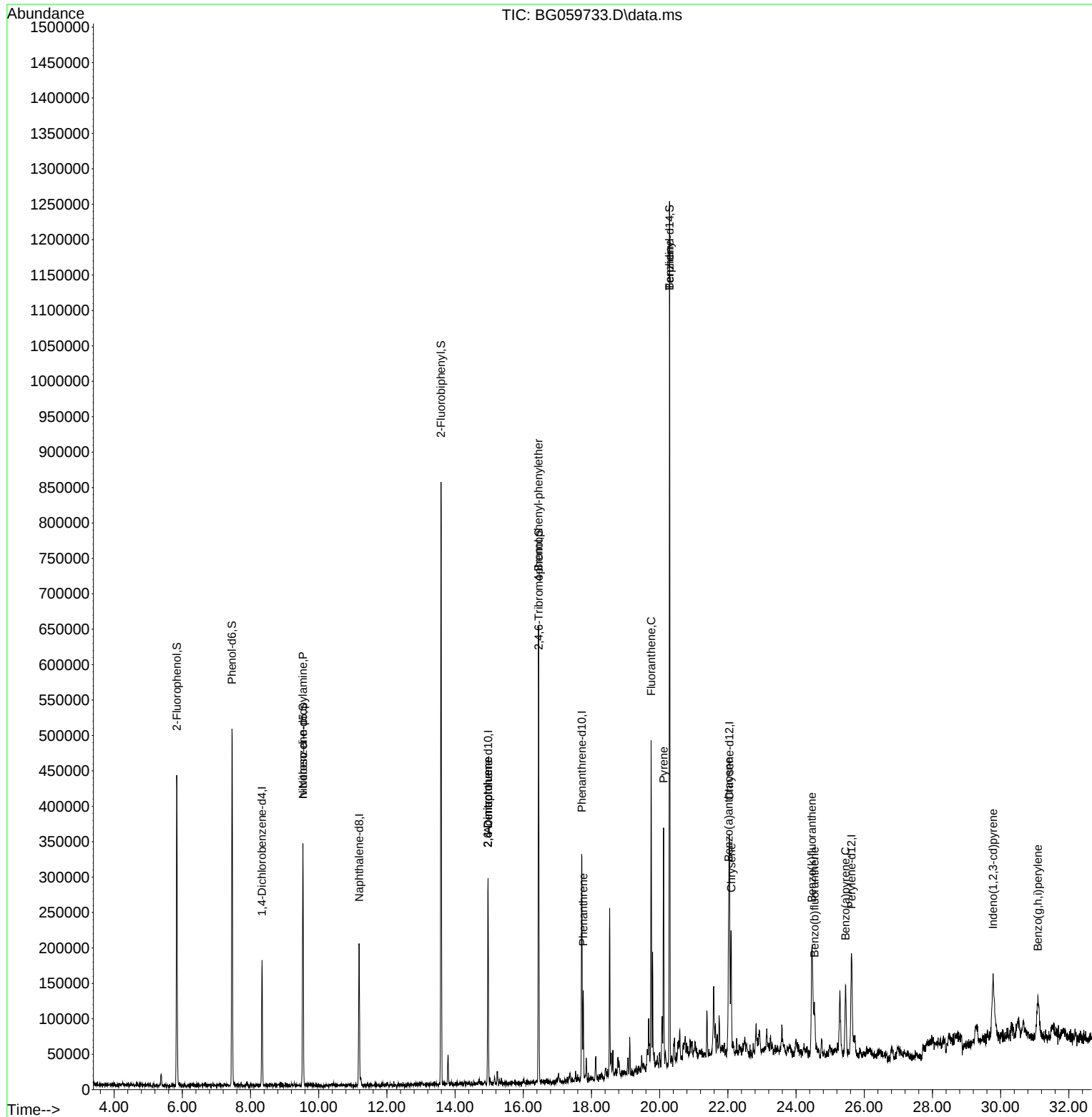
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	38403	20.000	ng	# 0.00
21) Naphthalene-d8	11.191	136	142882	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	92781	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	180154	20.000	ng	# 0.00
76) Chrysene-d12	22.049	240	146305	20.000	ng	# 0.00
86) Perylene-d12	25.627	264	170771	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.838	112	165712	72.629	ng	0.00
7) Phenol-d6	7.460	99	227528	67.293	ng	0.00
23) Nitrobenzene-d5	9.540	82	210913	56.377	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	76029	72.222	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	362443	52.582	ng	0.00
79) Terphenyl-d14	20.292	244	450085	45.414	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.540	70	35089	13.178	ng	# 82
51) 2,6-Dinitrotoluene	14.963	165	10835	7.944	ng	# 2
57) 2,4-Dinitrotoluene	14.963	165	10835	5.165	ng	# 5
67) 4-Bromophenyl-phenylether	16.449	248	5706	2.948	ng	# 1
71) Phenanthrene	17.760	178	66792	7.292	ng	# 94
75) Fluoranthene	19.751	202	236388	21.520	ng	95
77) Benzidine	20.292	184	14444	4.354	ng	# 88
78) Pyrene	20.116	202	197510	19.841	ng	98
81) Benzo(a)anthracene	22.025	228	103598	10.349	ng	95
83) Chrysene	22.102	228	124229	13.538	ng	97
87) Indeno(1,2,3-cd)pyrene	29.781	276	149160	11.543	ng	# 98
88) Benzo(b)fluoranthene	24.540	252	60137	6.425	ng	97
89) Benzo(k)fluoranthene	24.464	252	186175	20.120	ng	92
90) Benzo(a)pyrene	25.451	252	110912	11.103	ng	99
92) Benzo(g,h,i)perylene	31.091	276	76330	7.358	ng	# 92

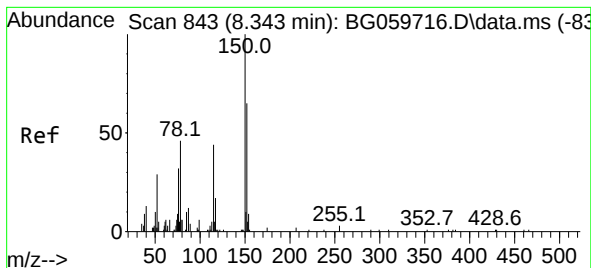
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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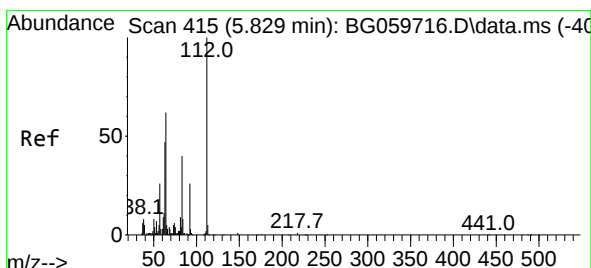
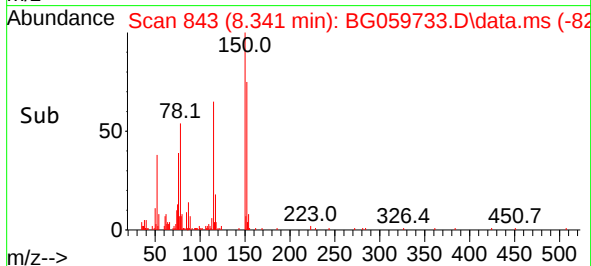
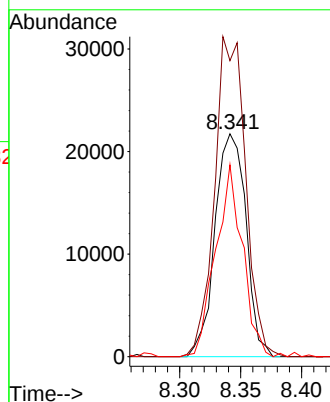
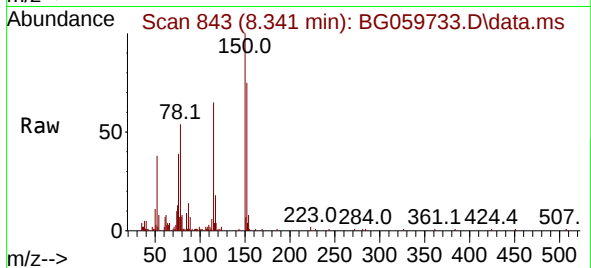




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

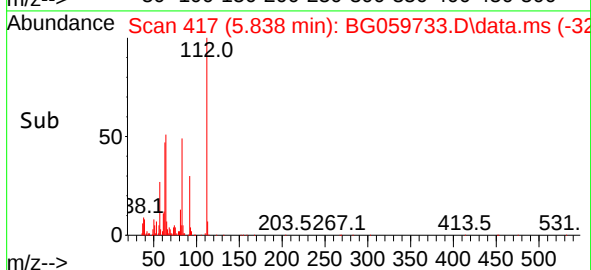
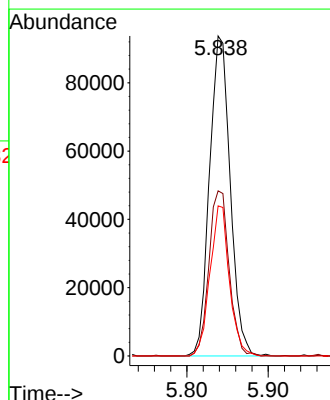
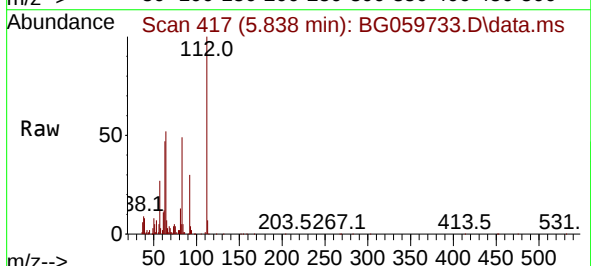
Instrument :
BNA_G
ClientSampleId :
360

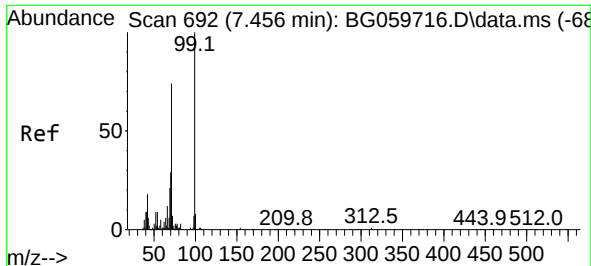
Tgt Ion:152 Resp: 38403
Ion Ratio Lower Upper
152 100
150 132.8 122.2 183.4
115 86.1 54.2 81.4#



#5
2-Fluorophenol
Concen: 72.629 ng
RT: 5.838 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:112 Resp: 165712
Ion Ratio Lower Upper
112 100
64 51.6 49.5 74.3
63 46.9 37.4 56.2

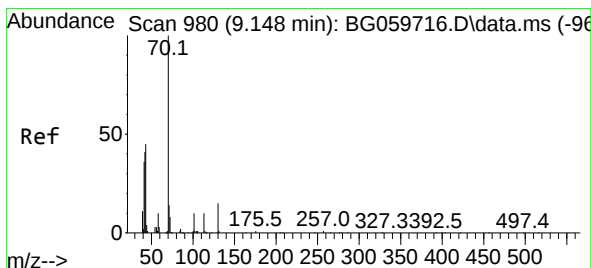
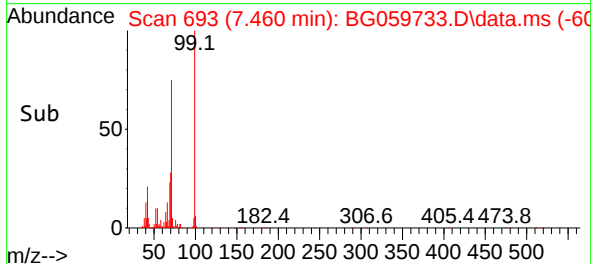
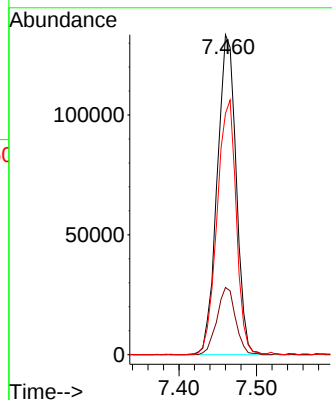
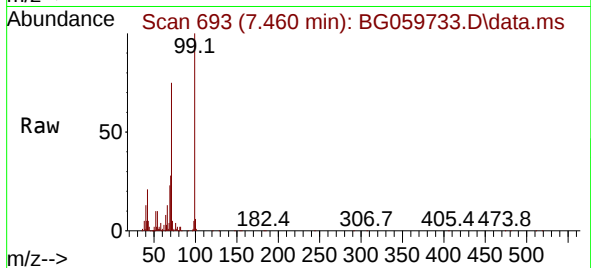




#7
Phenol-d6
Concen: 67.293 ng
RT: 7.460 min Scan# 692
Delta R.T. 0.004 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

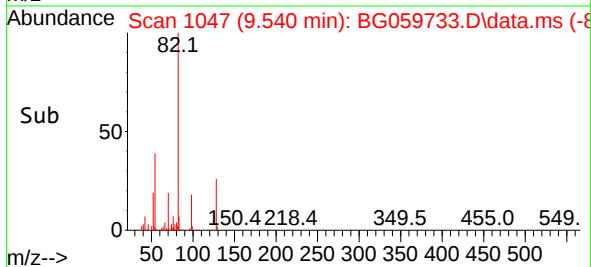
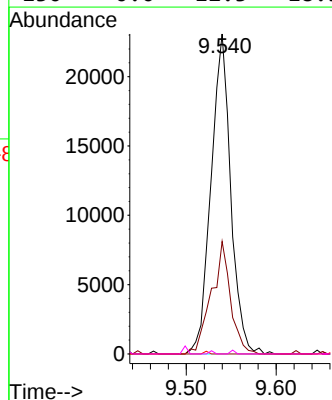
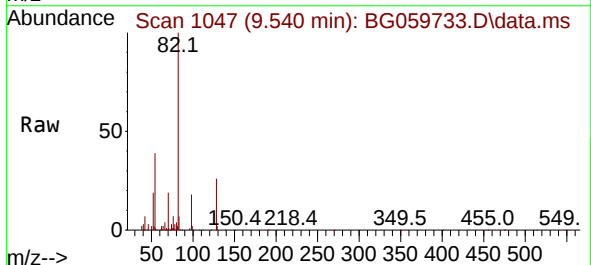
Instrument :
BNA_G
ClientSampleId :
360

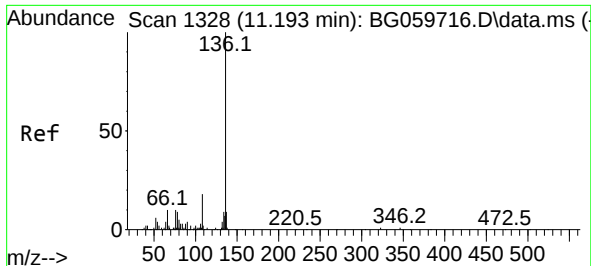
Tgt Ion: 99 Resp: 227528
Ion Ratio Lower Upper
99 100
42 21.0 14.3 21.5
71 75.4 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.178 ng
RT: 9.540 min Scan# 1047
Delta R.T. 0.392 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion: 70 Resp: 35089
Ion Ratio Lower Upper
70 100
42 35.1 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

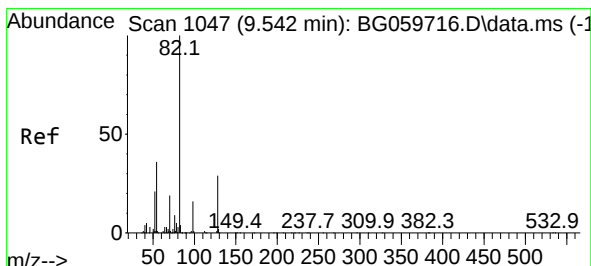
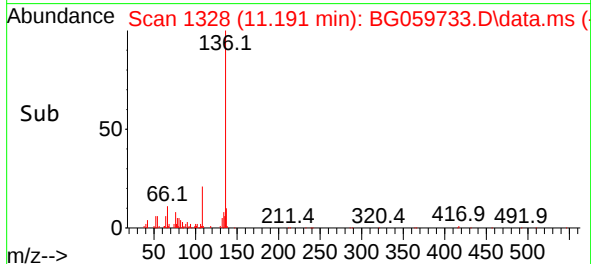
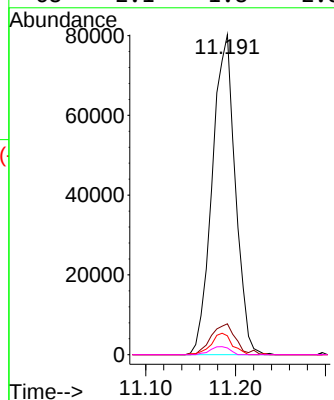
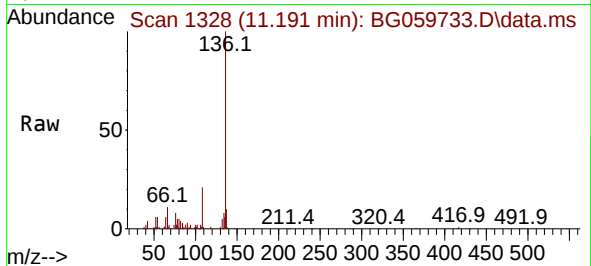




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 111
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

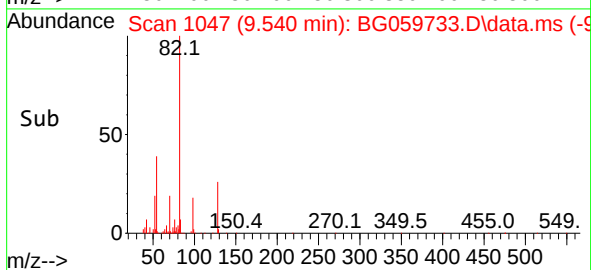
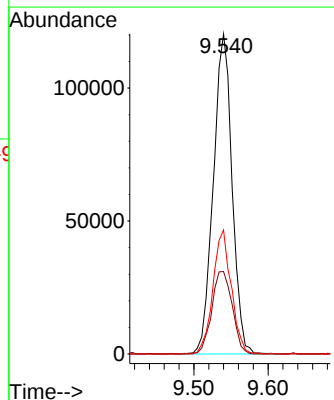
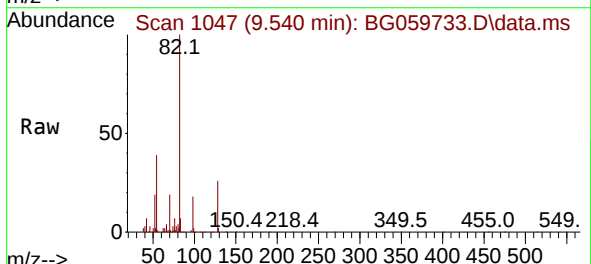
Instrument :
BNA_G
ClientSampleId :
360

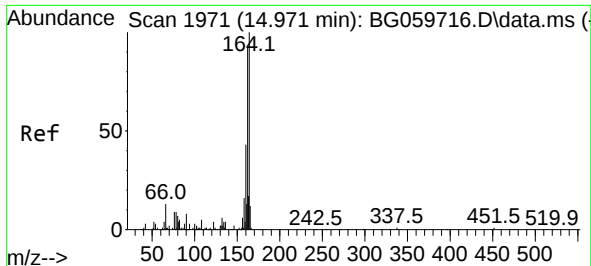
Tgt Ion:136 Resp: 142882
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.0
54 5.9 3.1 4.7#
68 2.1 1.8 2.8



#23
Nitrobenzene-d5
Concen: 56.377 ng
RT: 9.540 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion: 82 Resp: 210913
Ion Ratio Lower Upper
82 100
128 25.8 23.0 34.6
54 38.8 28.7 43.1

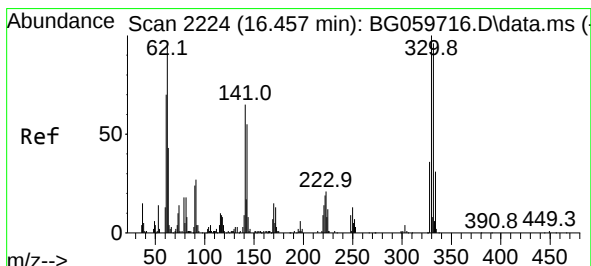
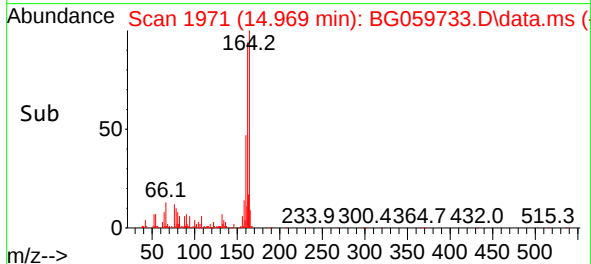
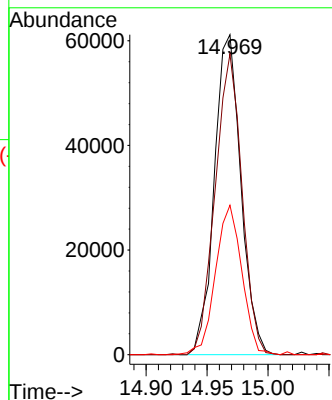
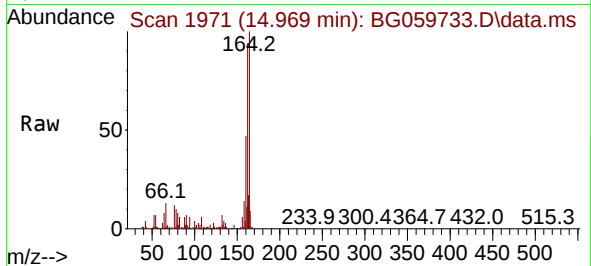




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

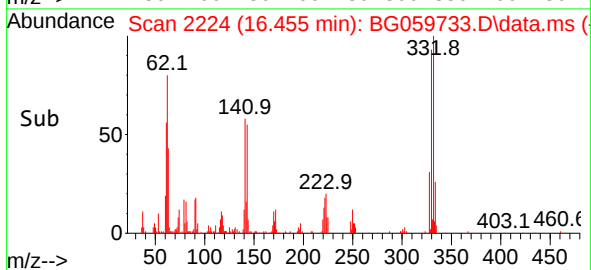
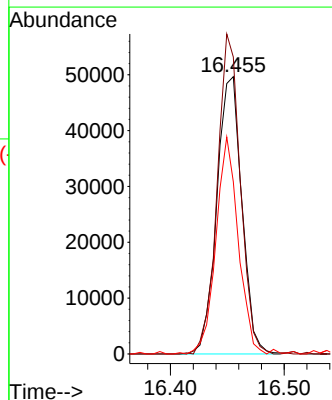
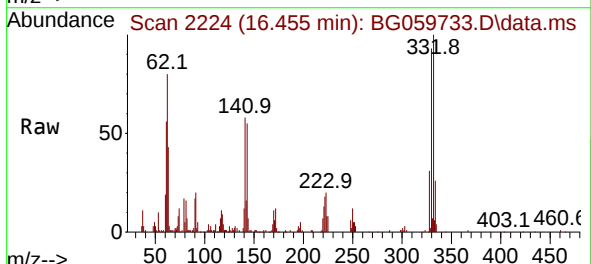
Instrument :
BNA_G
ClientSampleId :
360

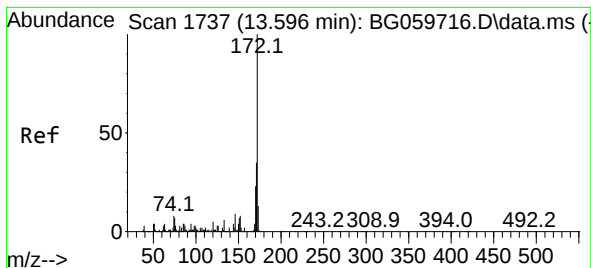
Tgt Ion:164 Resp: 92781
Ion Ratio Lower Upper
164 100
162 94.0 73.3 109.9
160 46.7 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 72.222 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:330 Resp: 76029
Ion Ratio Lower Upper
330 100
332 106.3 73.3 109.9
141 69.5 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 52.582 ng

RT: 13.588 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

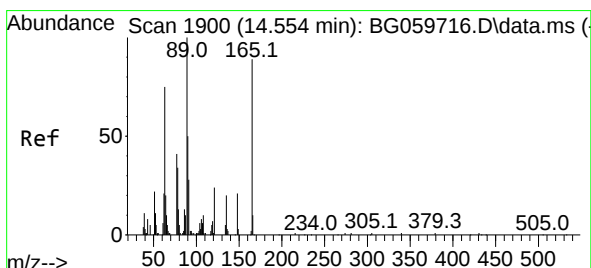
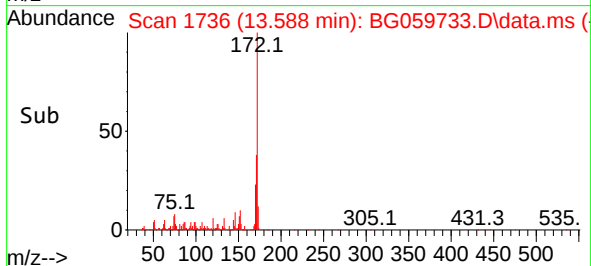
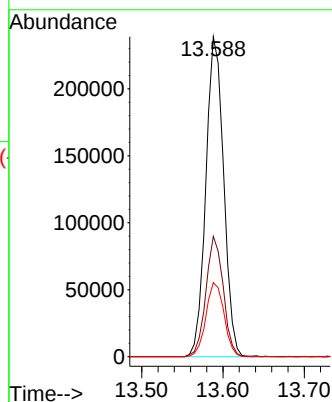
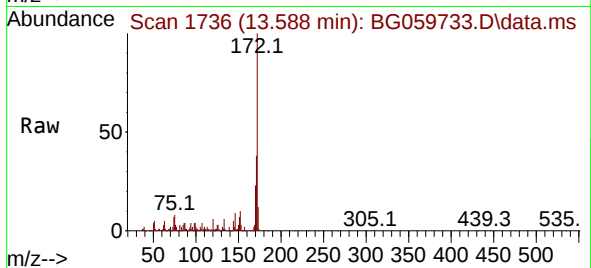
Tgt Ion:172 Resp: 362443

Ion Ratio Lower Upper

172 100

171 37.6 27.7 41.5

170 23.1 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 7.944 ng

RT: 14.963 min Scan# 1970

Delta R.T. 0.409 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

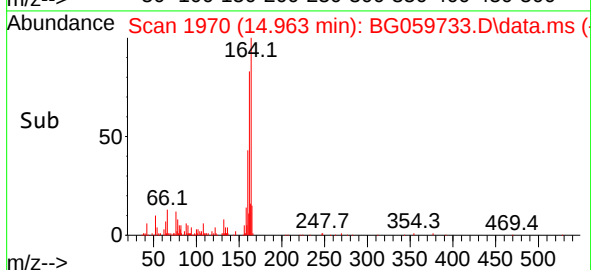
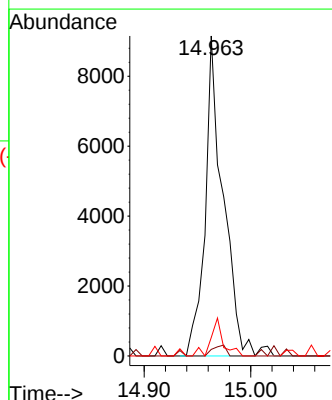
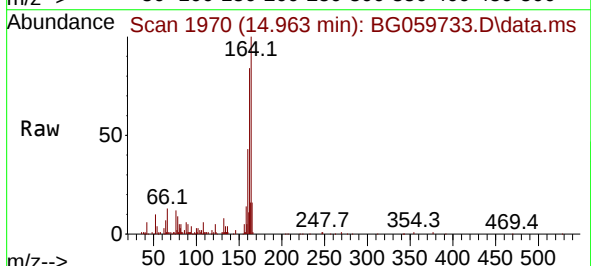
Tgt Ion:165 Resp: 10835

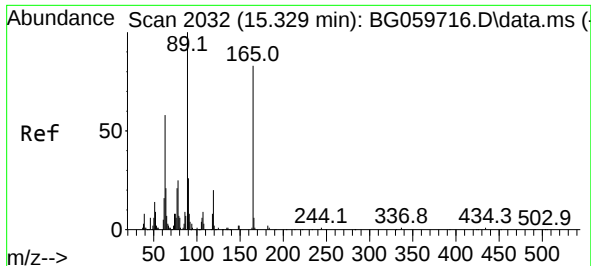
Ion Ratio Lower Upper

165 100

63 2.0 75.3 112.9#

89 5.8 90.9 136.3#

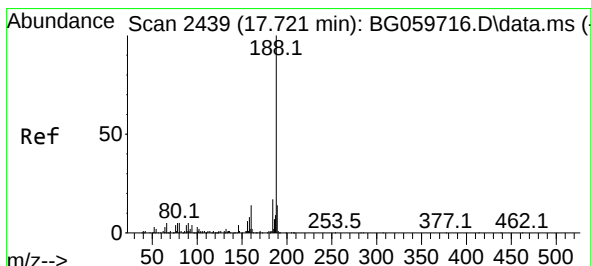
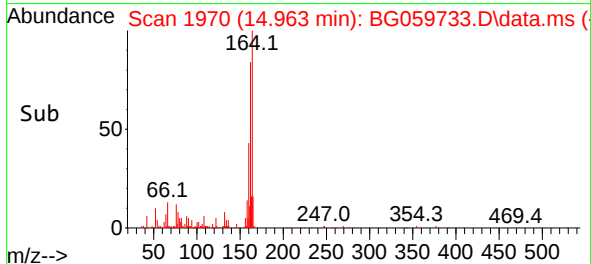
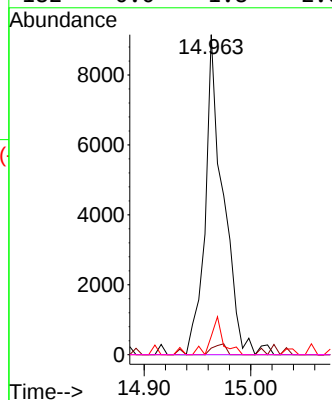
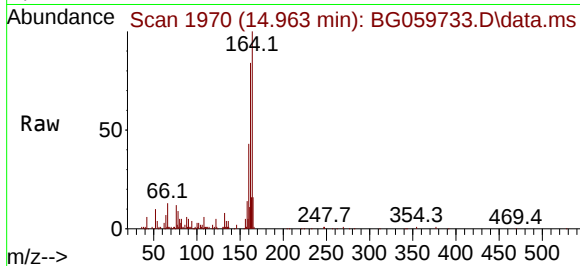




#57
2,4-Dinitrotoluene
Concen: 5.165 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.366 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

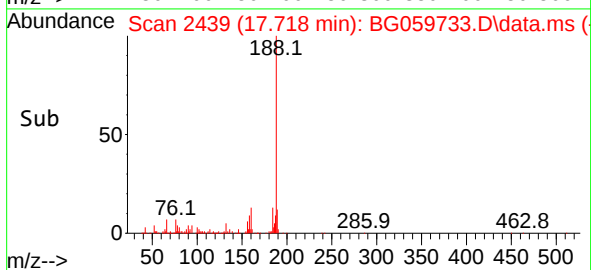
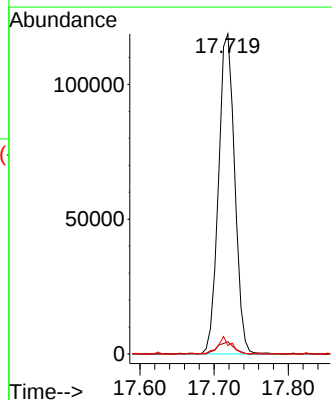
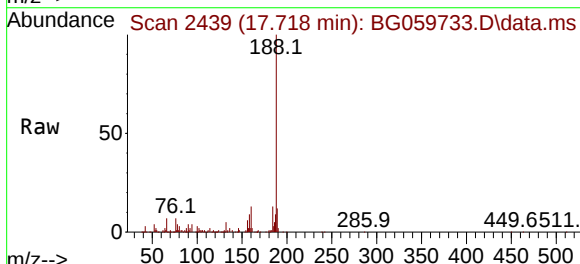
Instrument :
BNA_G
ClientSampleId :
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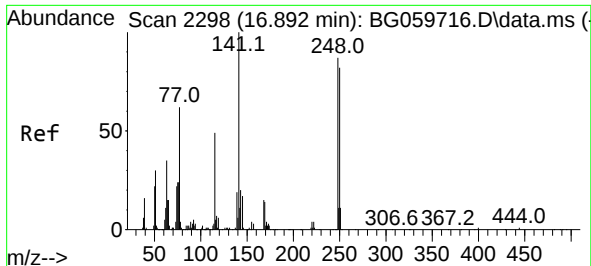
Tgt Ion:165 Resp: 10835
Ion Ratio Lower Upper
165 100
63 2.0 55.8 83.8#
89 5.8 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:188 Resp: 180154
Ion Ratio Lower Upper
188 100
94 3.8 3.0 4.4
80 2.7 4.2 6.4#

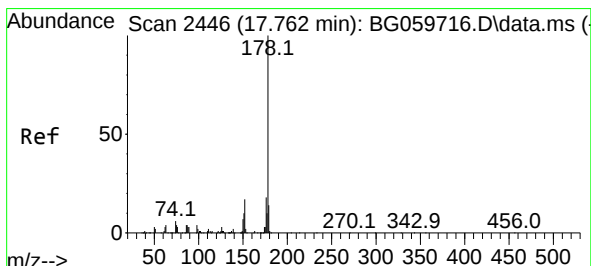
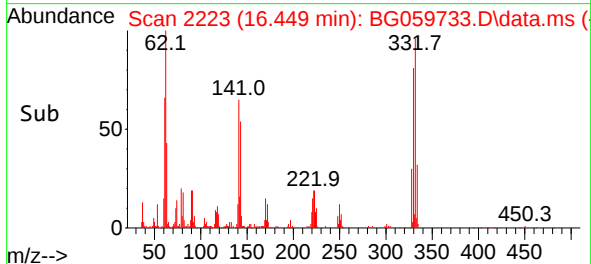
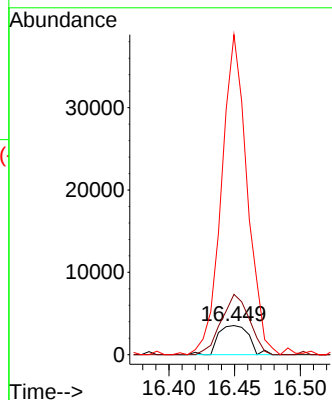
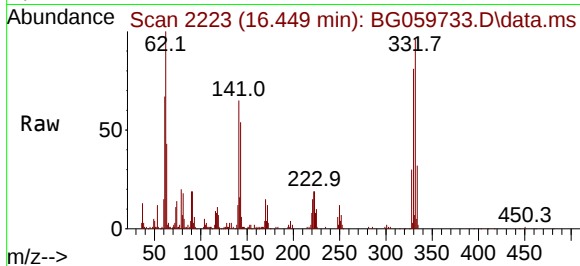




#67
4-Bromophenyl-phenylether
Concen: 2.948 ng
RT: 16.449 min Scan# 211
Delta R.T. -0.443 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

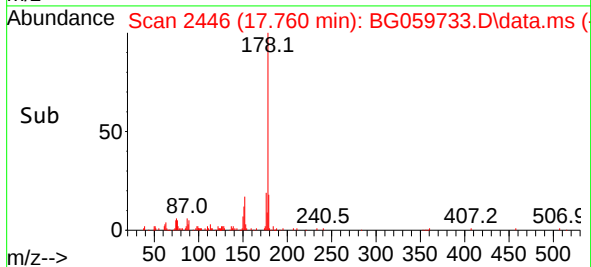
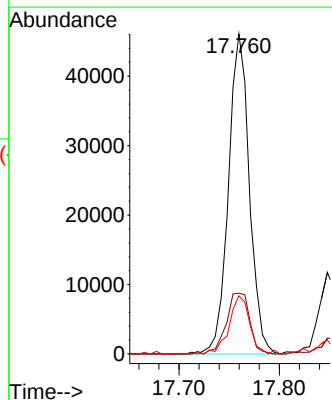
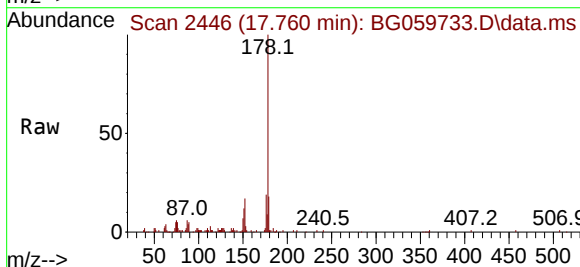
Instrument :
BNA_G
ClientSampleId :
360

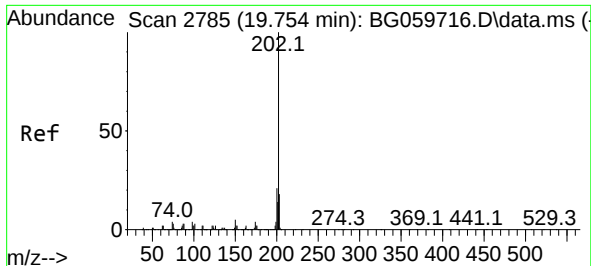
Tgt Ion:248 Resp: 5706
Ion Ratio Lower Upper
248 100
250 206.7 75.2 112.8#
141 1096.0 91.5 137.3#



#71
Phenanthrene
Concen: 7.292 ng
RT: 17.760 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:178 Resp: 66792
Ion Ratio Lower Upper
178 100
176 19.0 14.5 21.7
179 18.2 11.2 16.8#

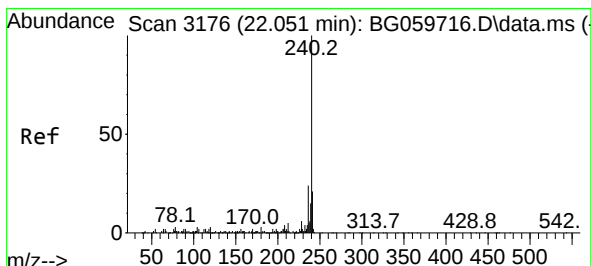
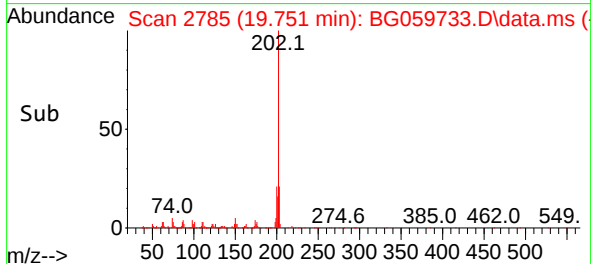
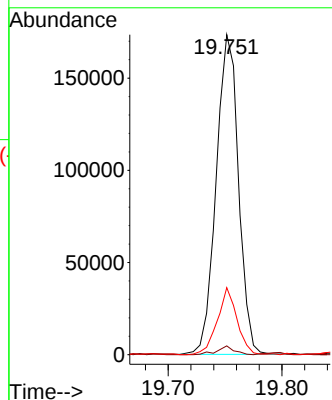
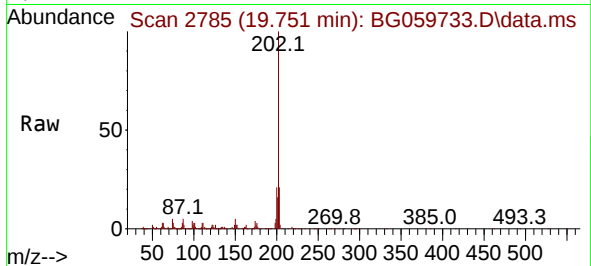




#75
Fluoranthene
Concen: 21.520 ng
RT: 19.751 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

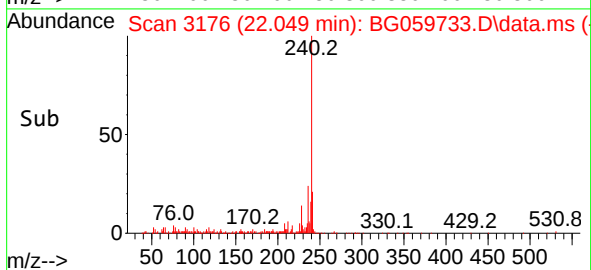
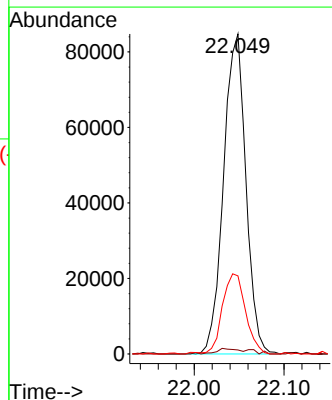
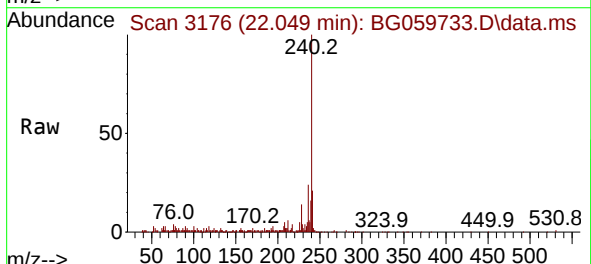
Instrument :
BNA_G
ClientSampleId :
360

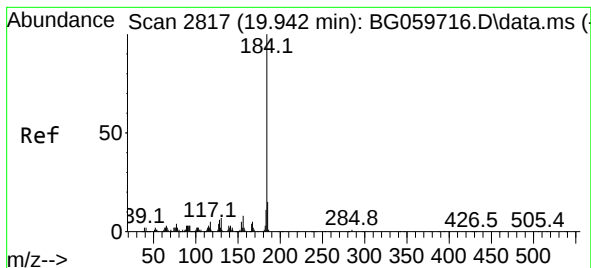
Tgt Ion:202 Resp: 236388
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.7
203 20.9 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.049 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:240 Resp: 146305
Ion Ratio Lower Upper
240 100
120 1.2 2.2 3.2#
236 24.4 19.4 29.2





#77

Benzidine

Concen: 4.354 ng

RT: 20.292 min Scan# 2

Delta R.T. 0.350 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

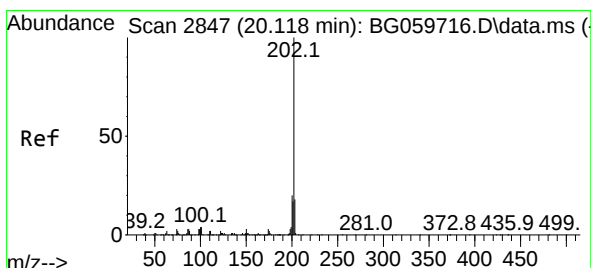
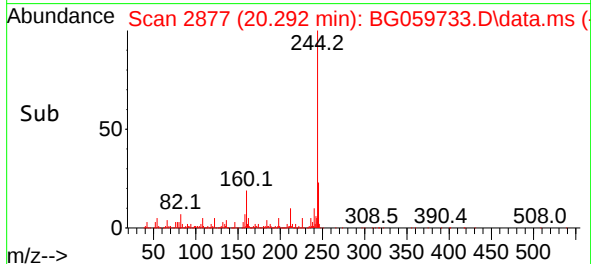
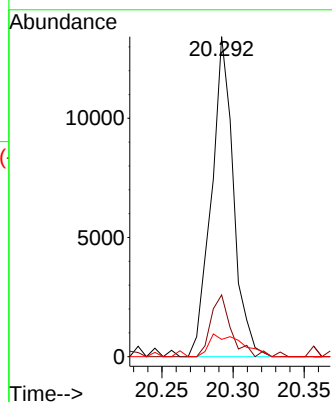
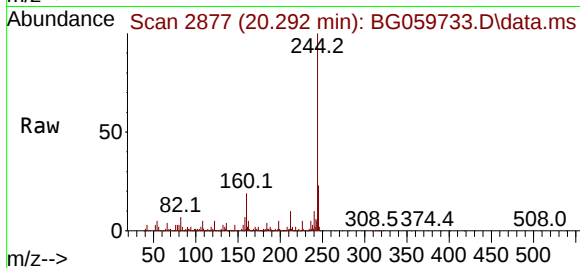
Tgt Ion:184 Resp: 14444

Ion Ratio Lower Upper

184 100

185 19.3 12.2 18.2#

183 5.4 8.8 13.2#



#78

Pyrene

Concen: 19.841 ng

RT: 20.116 min Scan# 2847

Delta R.T. -0.002 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

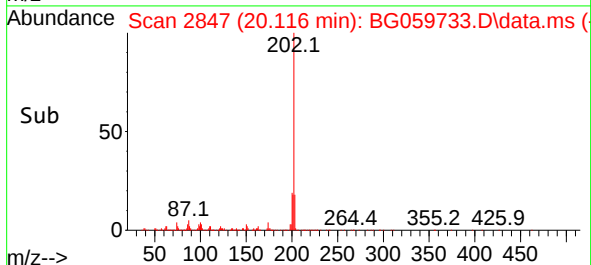
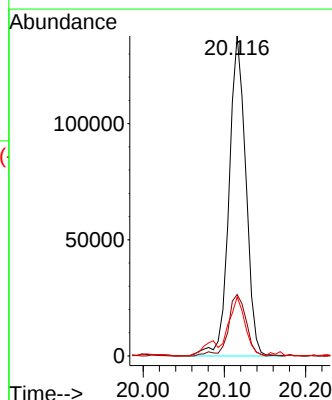
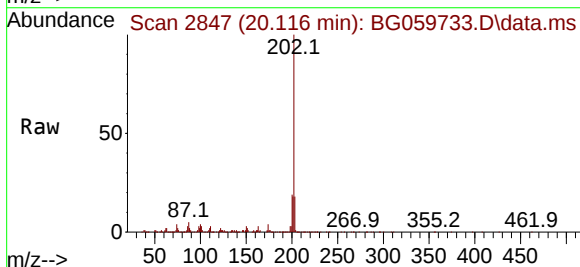
Tgt Ion:202 Resp: 197510

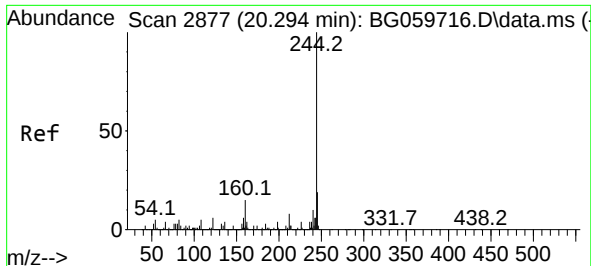
Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.4

203 18.4 14.0 21.0

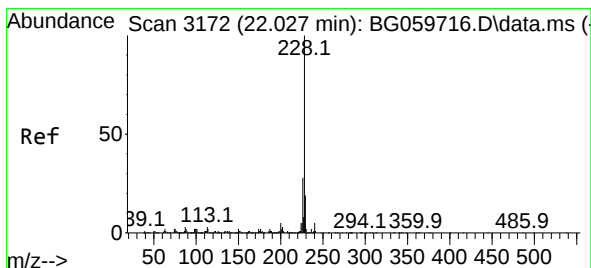
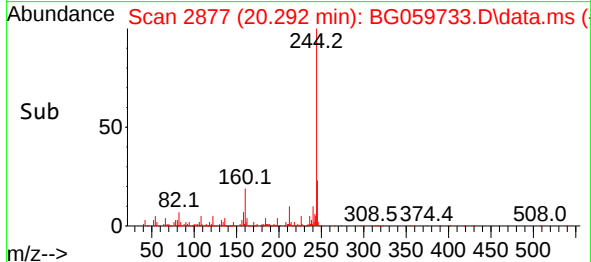
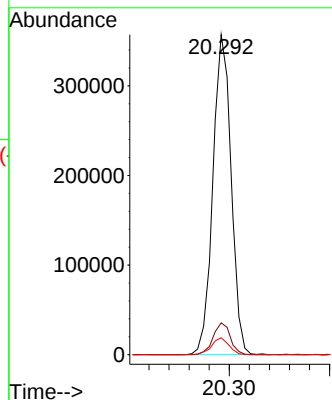
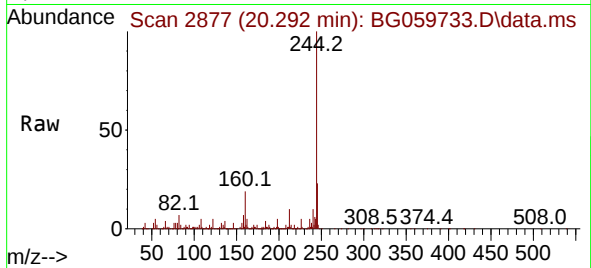




#79
 Terphenyl-d14
 Concen: 45.414 ng
 RT: 20.292 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG059733.D
 Acq: 17 Nov 2023 15:47

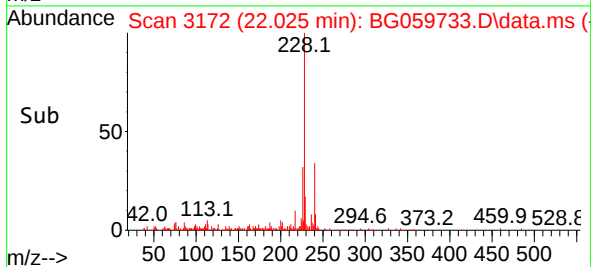
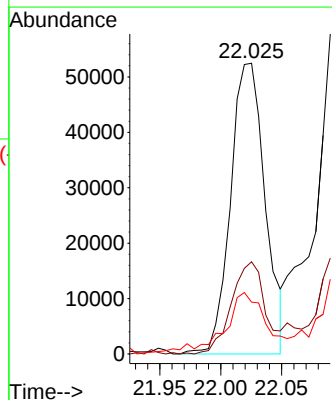
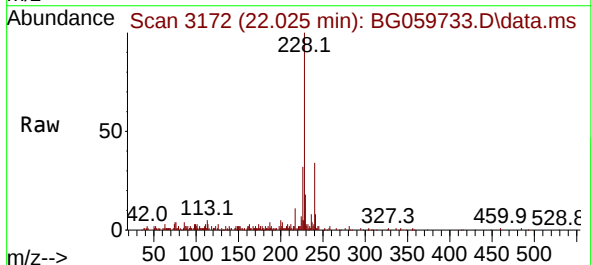
Instrument :
 BNA_G
 ClientSampleId :
 360

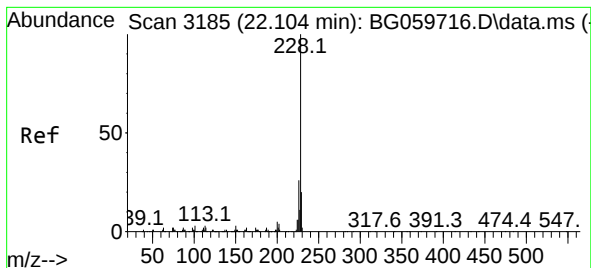
Tgt Ion:244 Resp: 450085
 Ion Ratio Lower Upper
 244 100
 212 9.9 6.6 10.0
 122 5.3 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 10.349 ng
 RT: 22.025 min Scan# 3172
 Delta R.T. -0.002 min
 Lab File: BG059733.D
 Acq: 17 Nov 2023 15:47

Tgt Ion:228 Resp: 103598
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.1 33.1
 229 17.8 14.9 22.3





#83

Chrysene

Concen: 13.538 ng

RT: 22.102 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

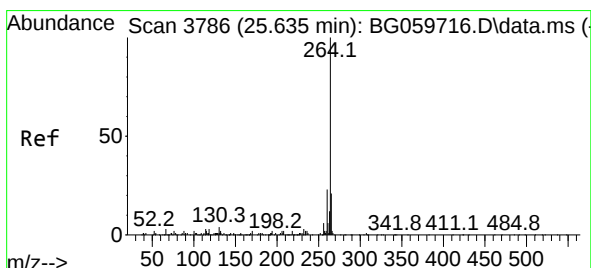
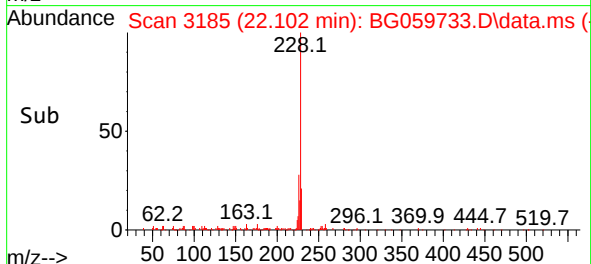
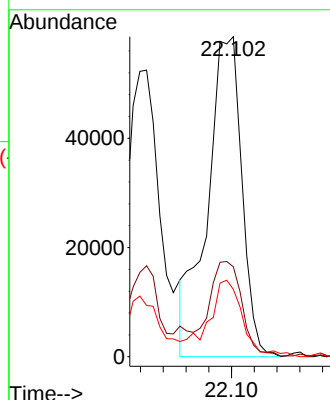
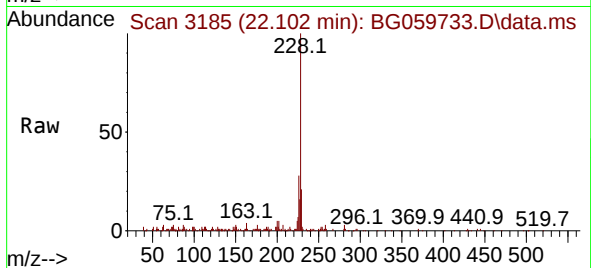
Tgt Ion:228 Resp: 124229

Ion Ratio Lower Upper

228 100

226 28.1 21.1 31.7

229 21.1 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.627 min Scan# 3785

Delta R.T. -0.008 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

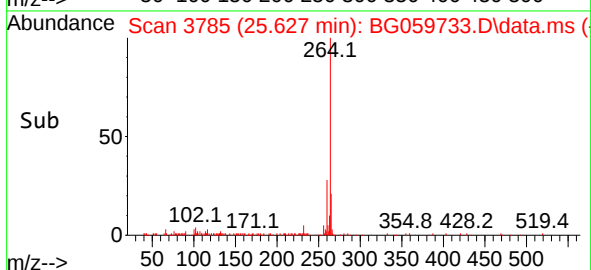
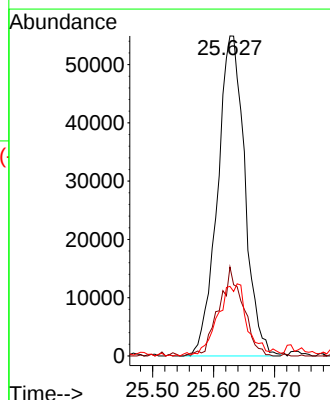
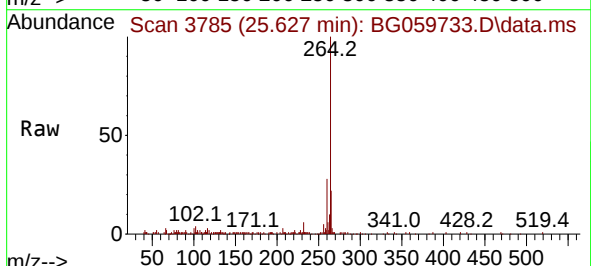
Tgt Ion:264 Resp: 170771

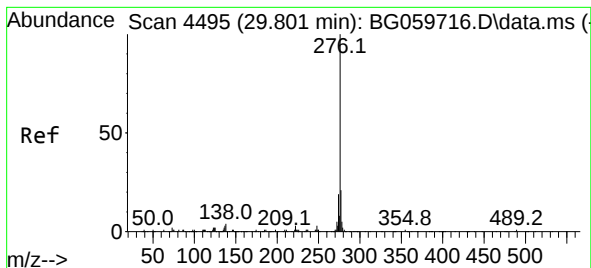
Ion Ratio Lower Upper

264 100

260 27.8 18.5 27.7#

265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.543 ng

RT: 29.781 min Scan# 4

Delta R.T. -0.020 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360

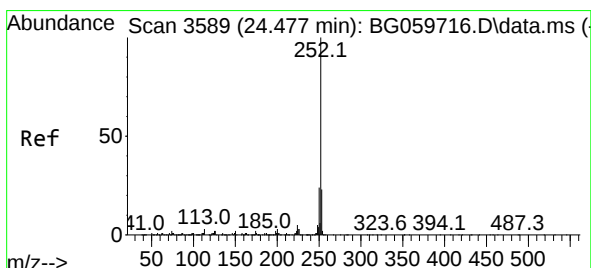
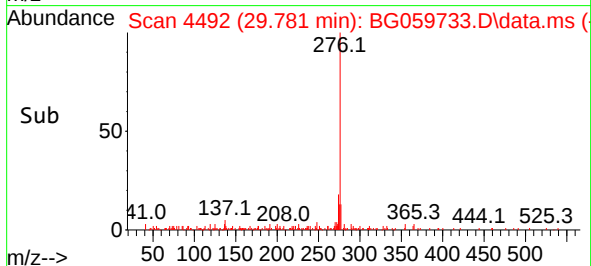
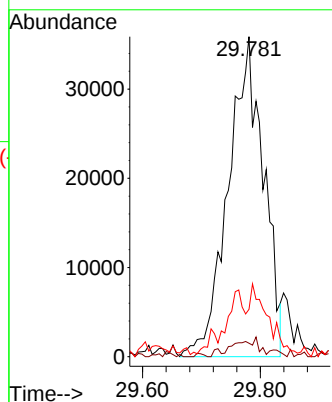
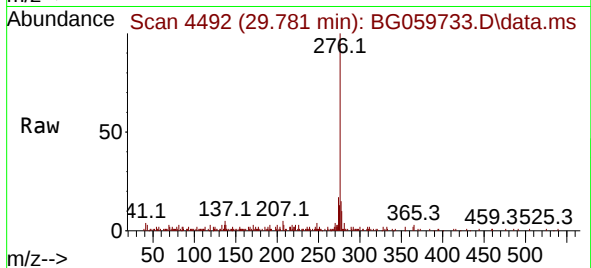
Tgt Ion:276 Resp: 149160

Ion Ratio Lower Upper

276 100

138 3.8 1.8 2.6#

277 11.5 9.8 14.6



#88

Benzo(b)fluoranthene

Concen: 6.425 ng

RT: 24.540 min Scan# 3600

Delta R.T. 0.063 min

Lab File: BG059733.D

Acq: 17 Nov 2023 15:47

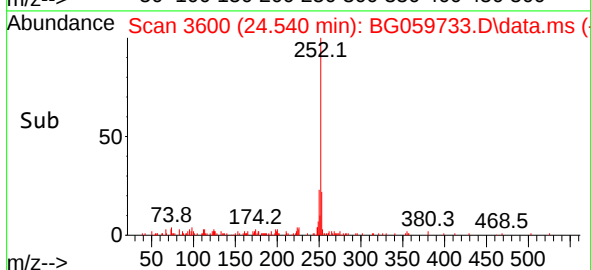
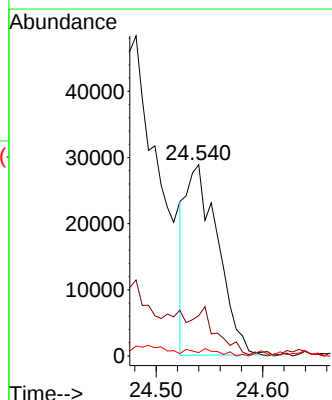
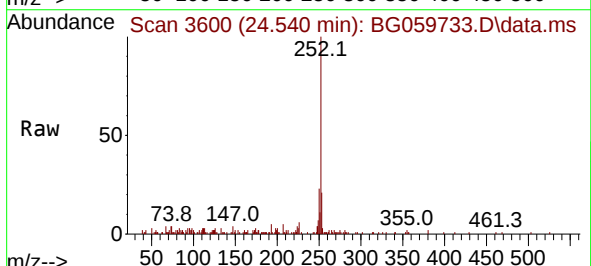
Tgt Ion:252 Resp: 60137

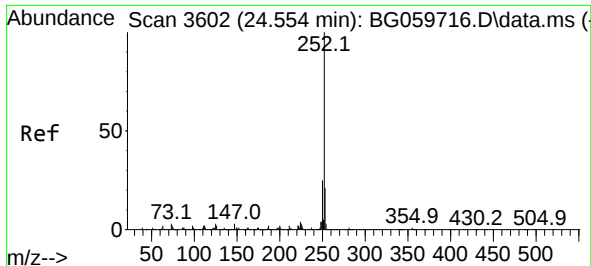
Ion Ratio Lower Upper

252 100

253 21.1 18.3 27.5

125 1.8 1.4 2.0

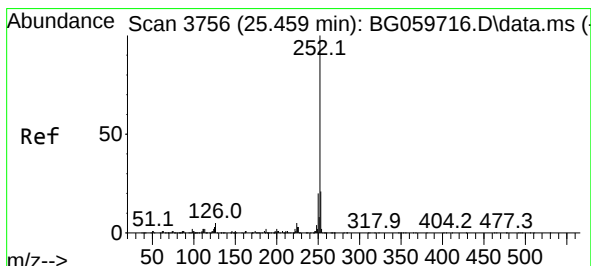
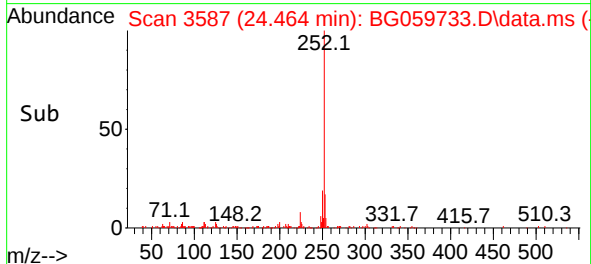
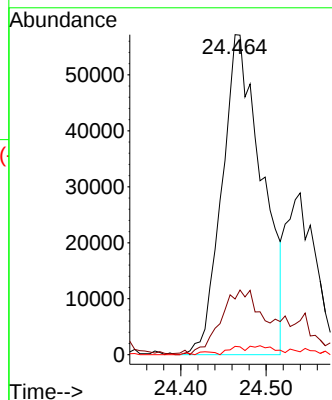
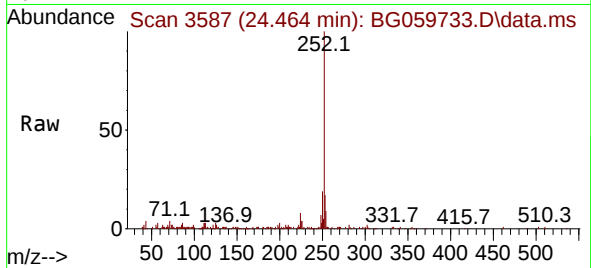




#89
Benzo(k)fluoranthene
Concen: 20.120 ng
RT: 24.464 min Scan# 31
Delta R.T. -0.090 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

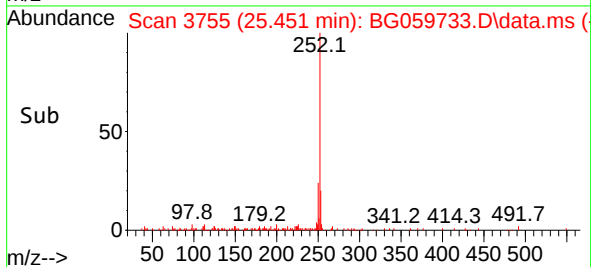
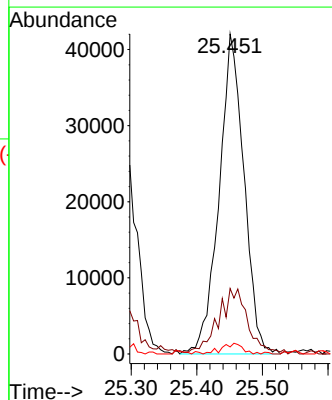
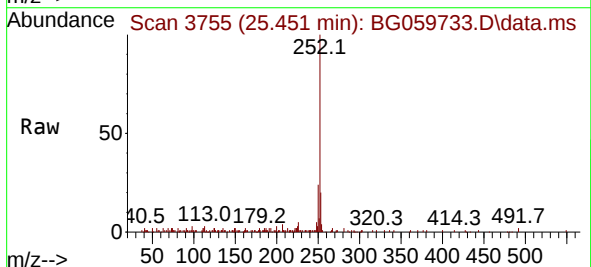
Instrument :
BNA_G
ClientSampleId :
360

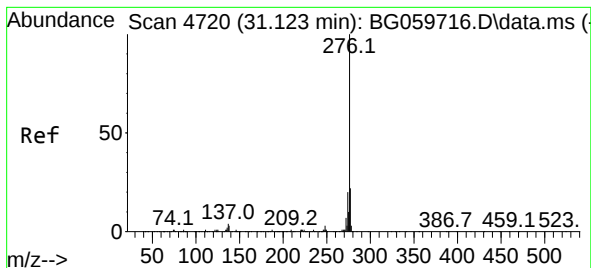
Tgt Ion:252 Resp: 186175
Ion Ratio Lower Upper
252 100
253 17.4 17.1 25.7
125 2.6 2.2 3.2



#90
Benzo(a)pyrene
Concen: 11.103 ng
RT: 25.451 min Scan# 3755
Delta R.T. -0.008 min
Lab File: BG059733.D
Acq: 17 Nov 2023 15:47

Tgt Ion:252 Resp: 110912
Ion Ratio Lower Upper
252 100
253 20.5 16.8 25.2
125 2.2 2.0 3.0





#92

Benzo(g,h,i)perylene

Concen: 7.358 ng

RT: 31.091 min Scan# 41

Delta R.T. -0.032 min

Lab File: BG059733.D

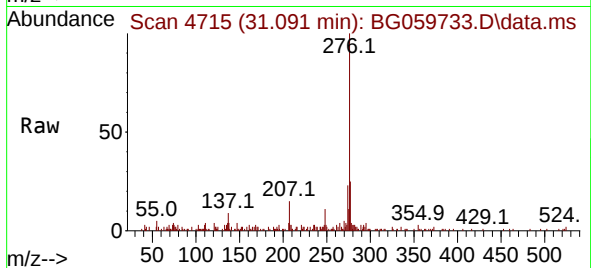
Acq: 17 Nov 2023 15:47

Instrument :

BNA_G

ClientSampleId :

360



Tgt Ion:276 Resp: 76330

Ion Ratio Lower Upper

276 100

277 25.5 17.3 25.9

138 5.2 2.6 4.0#

