

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059773.D
 Acq On : 20 Nov 2023 17:47
 Operator : MA/JU
 Sample : 05311-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Quant Time: Nov 20 18:23:13 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

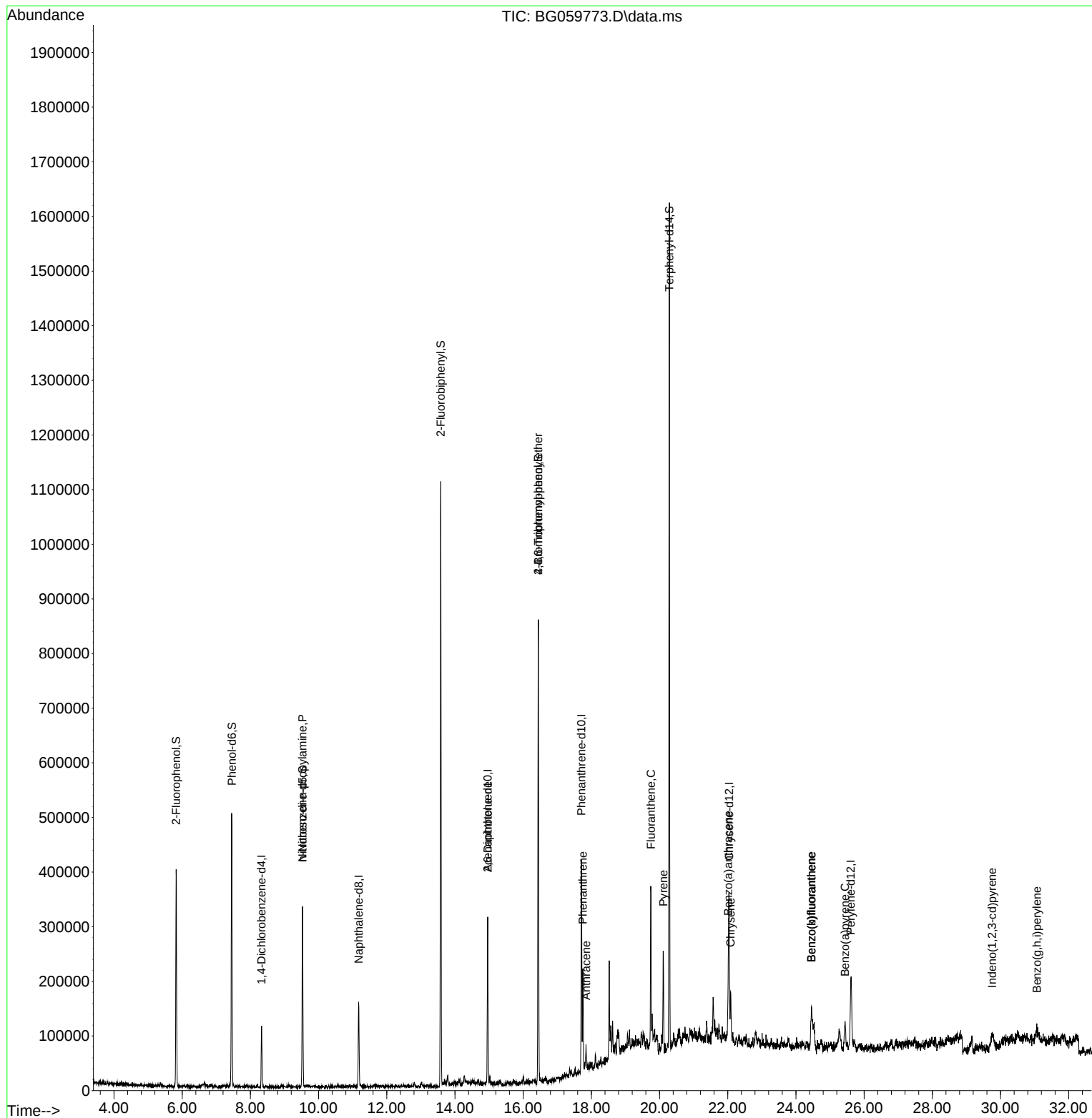
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.326	152	23710	20.000	ng	#-0.02
21) Naphthalene-d8	11.182	136	107931	20.000	ng	#-0.01
39) Acenaphthene-d10	14.960	164	92234	20.000	ng	#-0.01
64) Phenanthrene-d10	17.709	188	199939	20.000	ng	#-0.01
76) Chrysene-d12	22.039	240	125093	20.000	ng	-0.01
86) Perylene-d12	25.612	264	152173	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.823	112	130233	92.450	ng	0.00
7) Phenol-d6	7.457	99	214641	102.821	ng	0.00
23) Nitrobenzene-d5	9.531	82	195166	69.061	ng	-0.01
42) 2,4,6-Tribromophenol	16.446	330	112316	107.324	ng	-0.01
45) 2-Fluorobiphenyl	13.585	172	450094	65.686	ng	-0.01
79) Terphenyl-d14	20.289	244	615659	72.655	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.531	70	33886	20.613	ng	# 75
51) 2,6-Dinitrotoluene	14.960	165	11464	8.455	ng	# 2
67) 4-Bromophenyl-phenylether	16.446	248	8883	4.136	ng	# 1
71) Phenanthrene	17.750	178	104285	10.259	ng	98
72) Anthracene	17.844	178	22302	2.112	ng	95
75) Fluoranthene	19.748	202	165581	13.583	ng	91
78) Pyrene	20.112	202	106683	12.534	ng	96
81) Benzo(a)anthracene	22.016	228	62532	7.306	ng	95
83) Chrysene	22.086	228	59960	7.642	ng	91
87) Indeno(1,2,3-cd)pyrene	29.754	276	49447	4.294	ng	# 99
88) Benzo(b)fluoranthene	24.454	252	73595	8.824	ng	# 97
89) Benzo(k)fluoranthene	24.454	252	73595	8.925	ng	# 100
90) Benzo(a)pyrene	25.441	252	58311	6.551	ng	# 94
92) Benzo(g,h,i)perylene	31.070	276	47053	5.090	ng	# 84

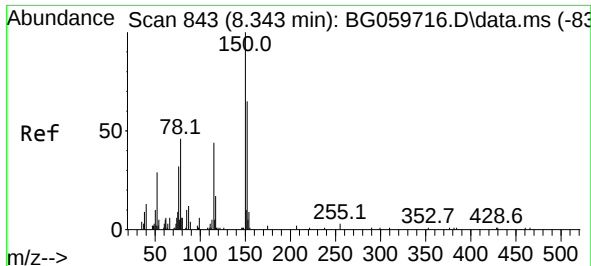
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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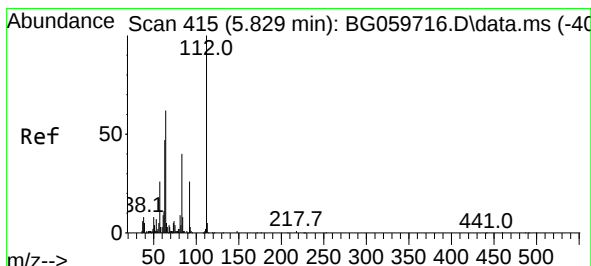
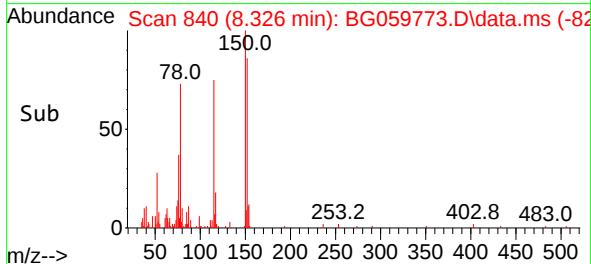
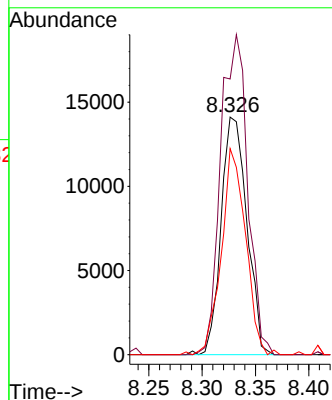
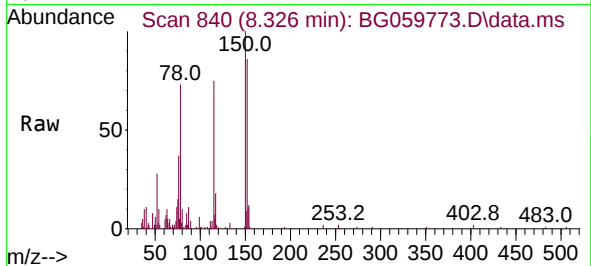




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.326 min Scan# 843
Delta R.T. -0.017 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

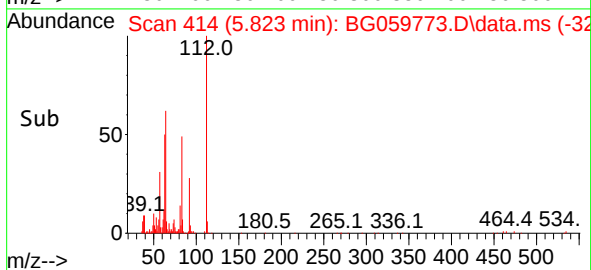
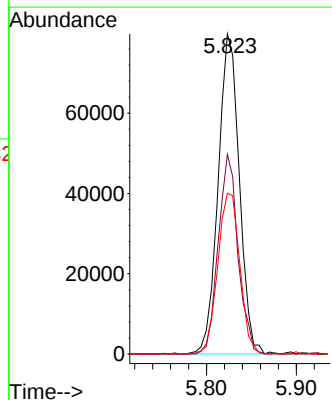
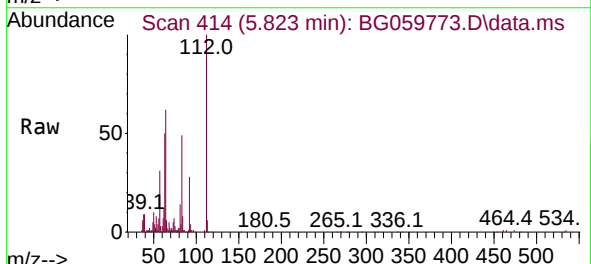
Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 23710
Ion Ratio Lower Upper
152 100
150 116.0 122.2 183.4#
115 86.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 92.450 ng
RT: 5.823 min Scan# 414
Delta R.T. -0.005 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:112 Resp: 130233
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 50.2 37.4 56.2

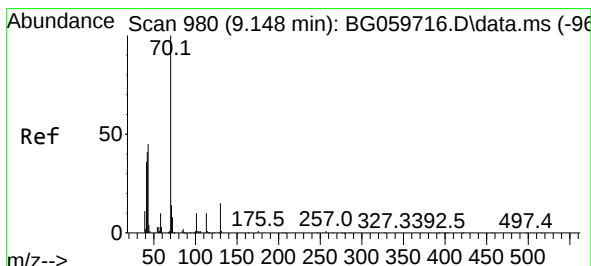
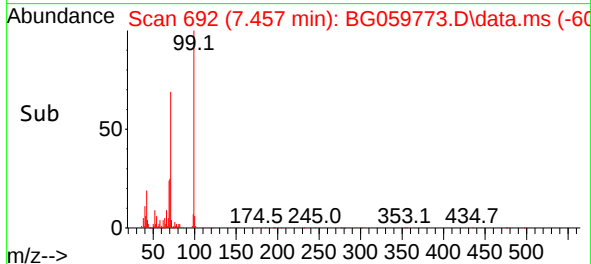
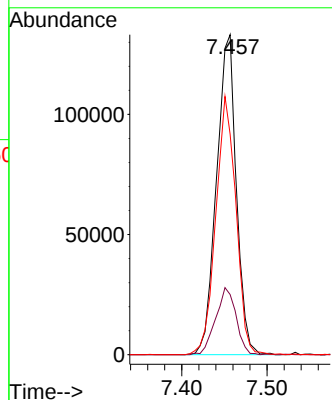
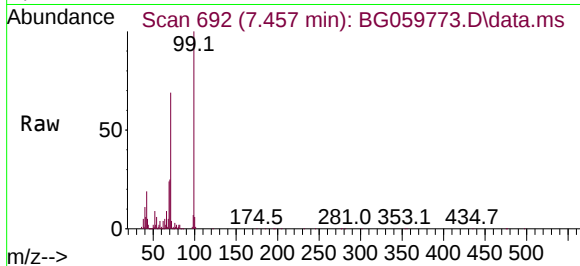




#7
Phenol-d6
Concen: 102.821 ng
RT: 7.457 min Scan# 692
Delta R.T. 0.000 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

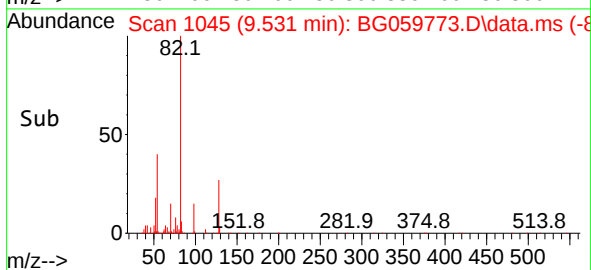
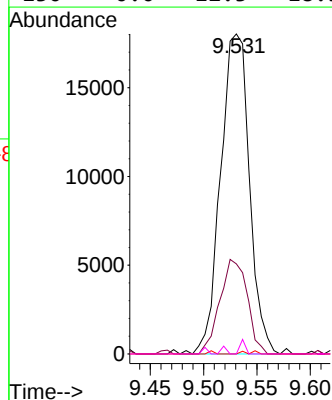
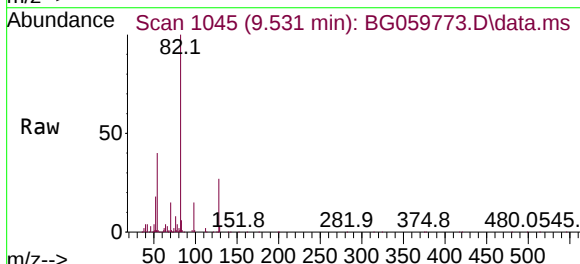
Instrument :
BNA_G
ClientSampleId :
TP-6

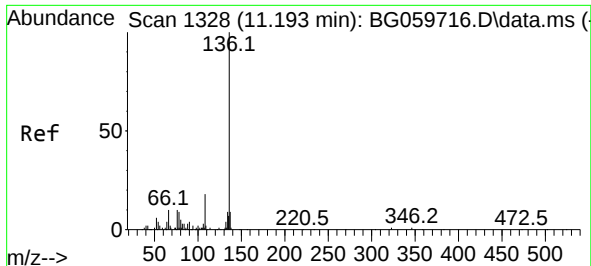
Tgt Ion: 99 Resp: 214641
Ion Ratio Lower Upper
99 100
42 18.8 14.3 21.5
71 68.9 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 20.613 ng
RT: 9.531 min Scan# 1045
Delta R.T. 0.382 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion: 70 Resp: 33886
Ion Ratio Lower Upper
70 100
42 28.1 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

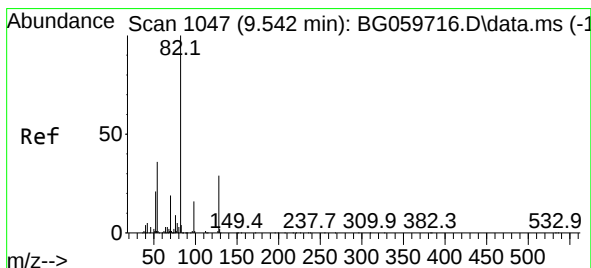
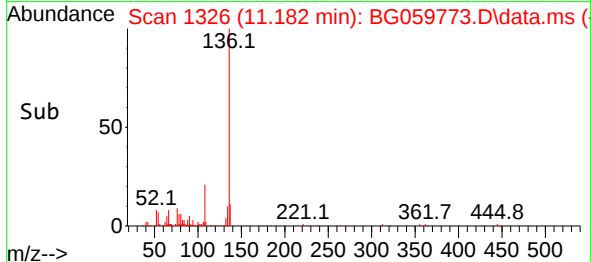
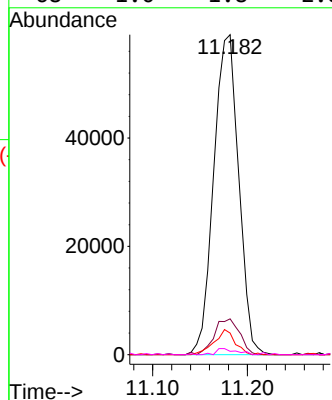
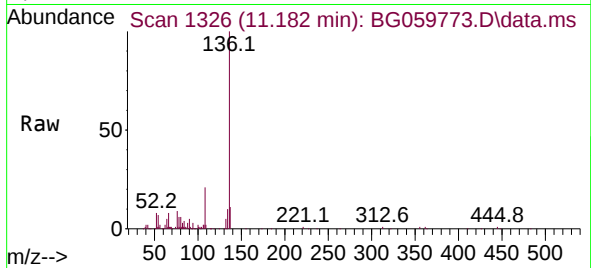




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.182 min Scan# 111
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

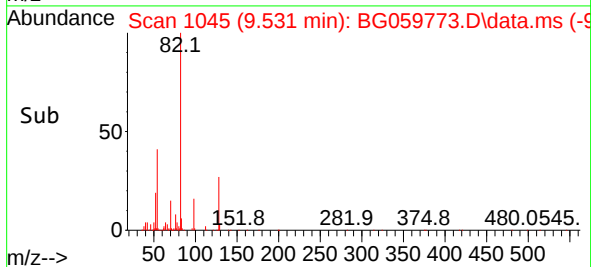
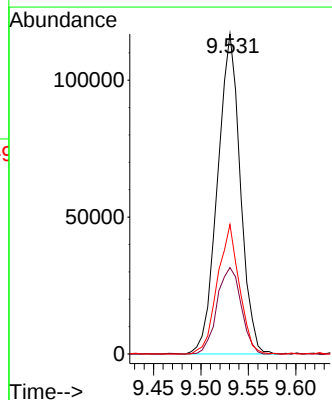
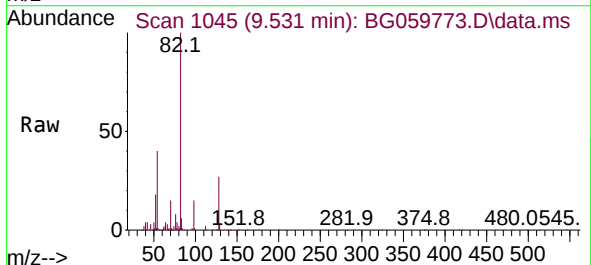
Instrument :
BNA_G
ClientSampleId :
TP-6

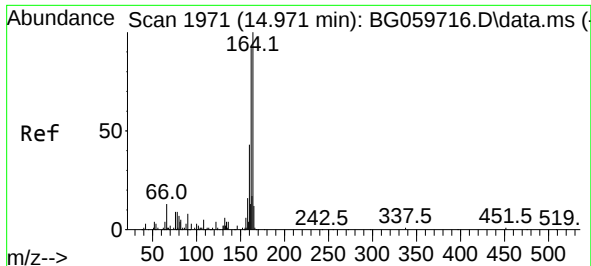
Tgt Ion:136 Resp: 107931
Ion Ratio Lower Upper
136 100
137 11.2 7.4 11.0#
54 6.7 3.1 4.7#
68 1.0 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 69.061 ng
RT: 9.531 min Scan# 1045
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion: 82 Resp: 195166
Ion Ratio Lower Upper
82 100
128 27.0 23.0 34.6
54 40.5 28.7 43.1

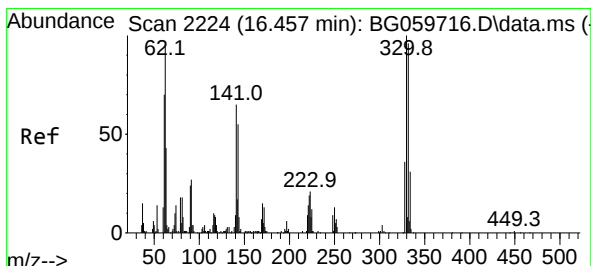
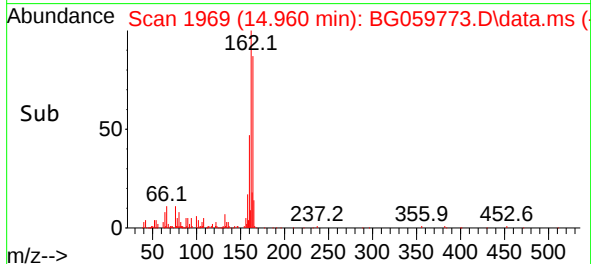
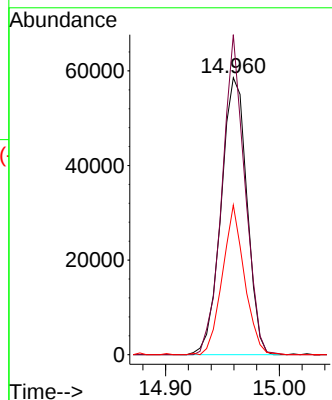
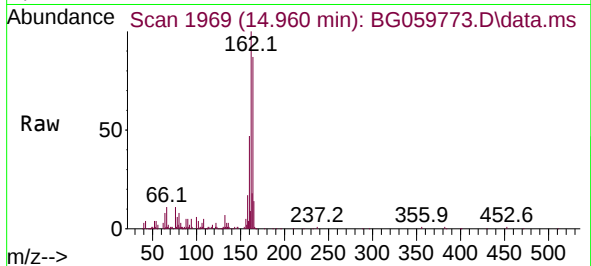




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.960 min Scan# 1971
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

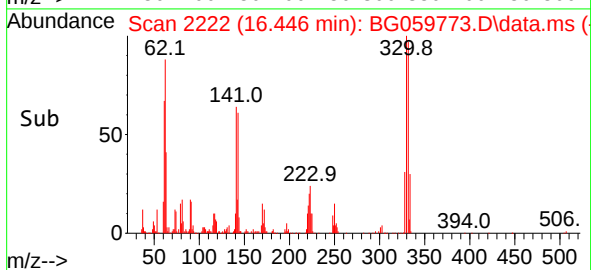
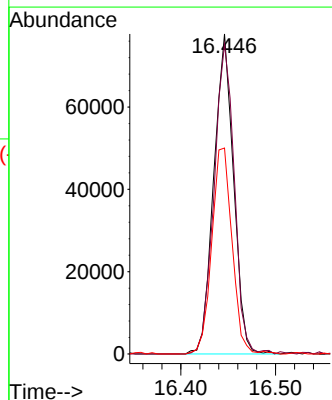
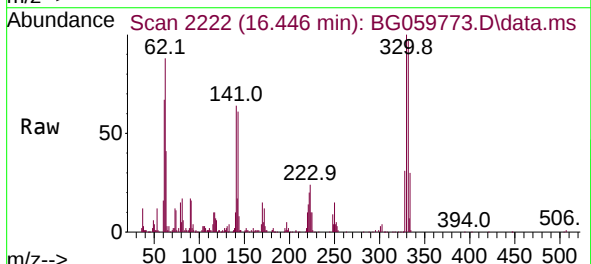
Instrument :
BNA_G
ClientSampleId :
TP-6

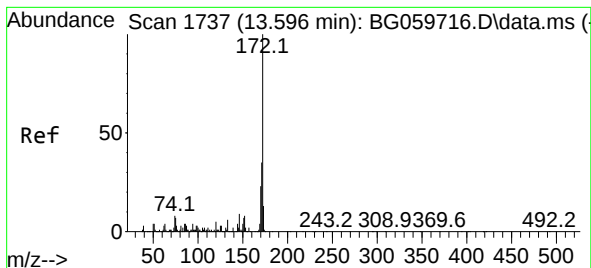
Tgt Ion:164 Resp: 92234
Ion Ratio Lower Upper
164 100
162 115.6 73.3 109.9#
160 54.0 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 107.324 ng
RT: 16.446 min Scan# 2222
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:330 Resp: 112316
Ion Ratio Lower Upper
330 100
332 99.6 73.3 109.9
141 66.0 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 65.686 ng

RT: 13.585 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

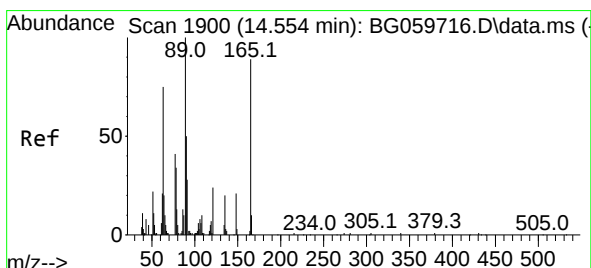
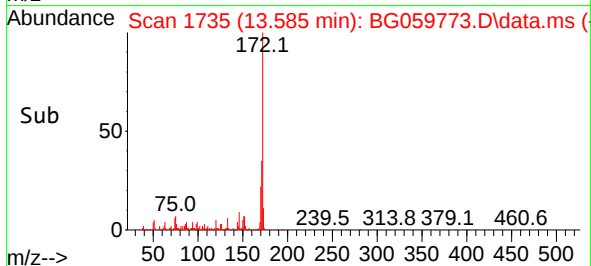
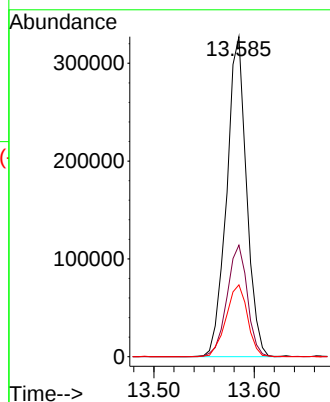
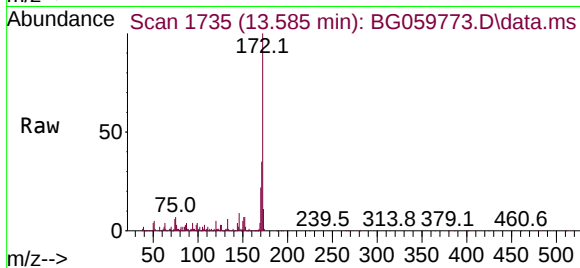
Tgt Ion:172 Resp: 450094

Ion Ratio Lower Upper

172 100

171 34.9 27.7 41.5

170 22.4 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.455 ng

RT: 14.960 min Scan# 1969

Delta R.T. 0.406 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

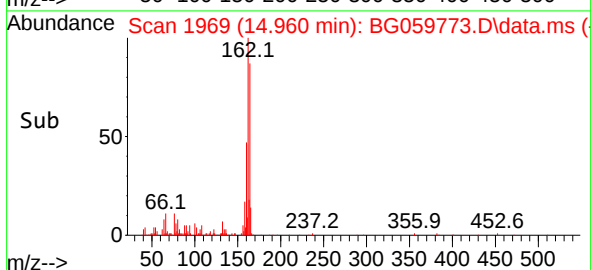
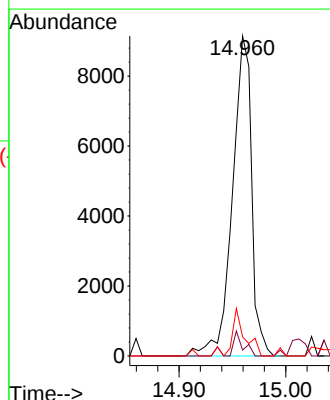
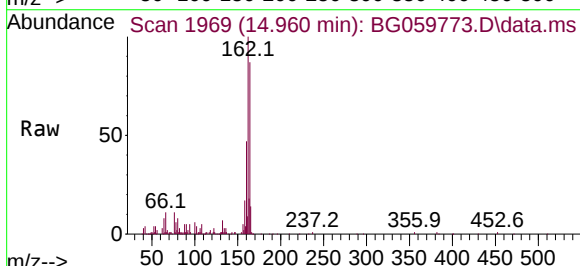
Tgt Ion:165 Resp: 11464

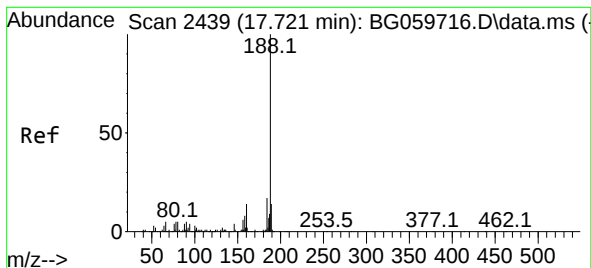
Ion Ratio Lower Upper

165 100

63 1.9 75.3 112.9#

89 6.0 90.9 136.3#

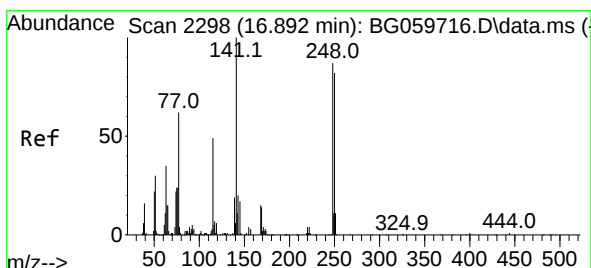
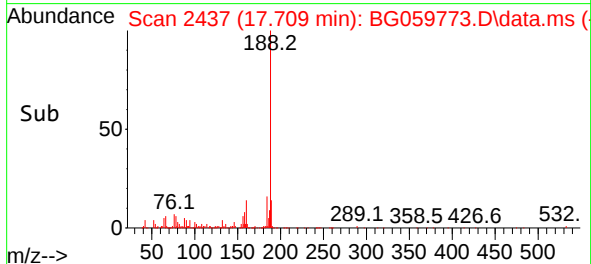
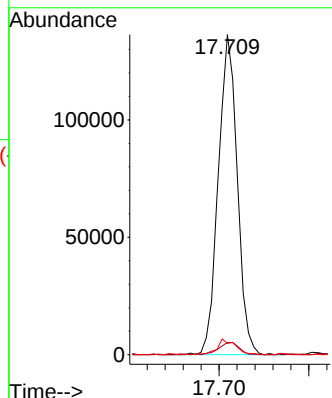
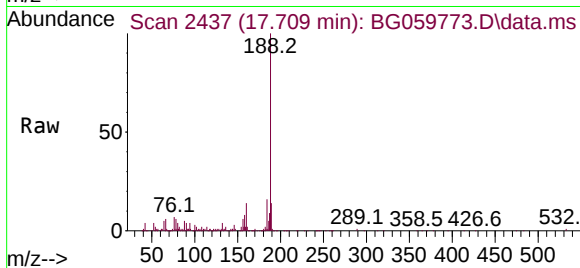




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.709 min Scan# 2439
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

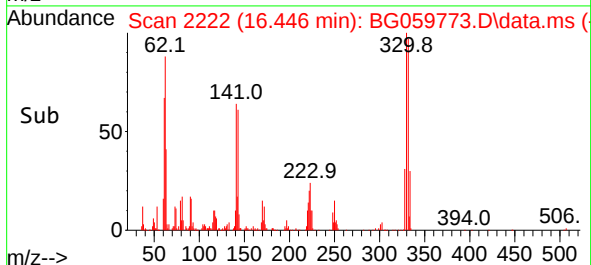
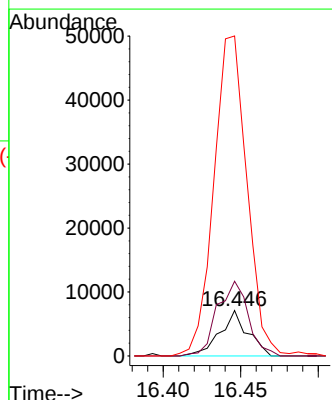
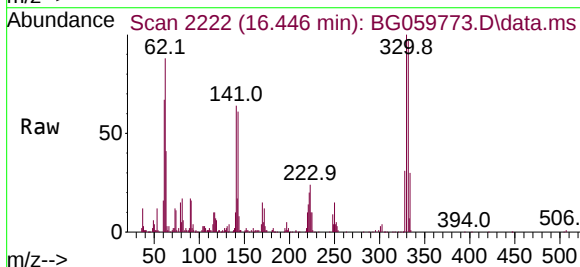
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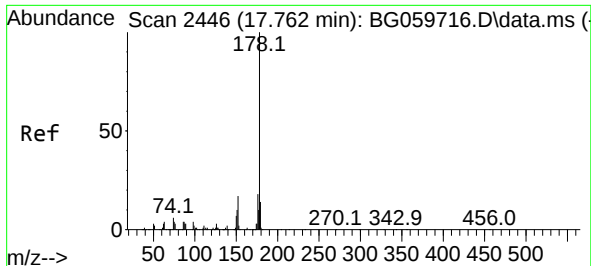
Tgt Ion:188 Resp: 199939
Ion Ratio Lower Upper
188 100
94 3.9 3.0 4.4
80 3.5 4.2 6.4#



#67
4-Bromophenyl-phenylether
Concen: 4.136 ng
RT: 16.446 min Scan# 2222
Delta R.T. -0.446 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:248 Resp: 8883
Ion Ratio Lower Upper
248 100
250 117.1 75.2 112.8#
141 501.4 91.5 137.3#

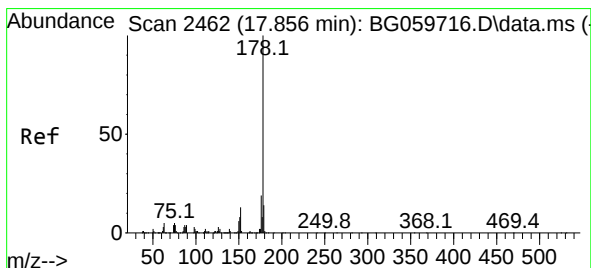
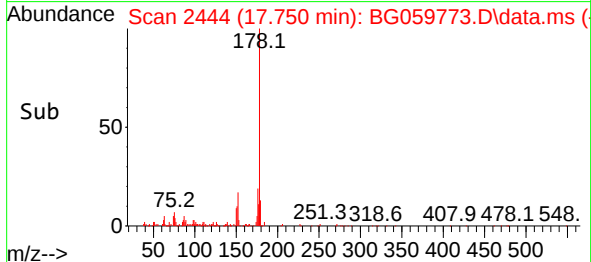
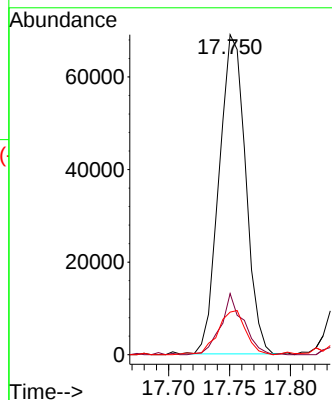
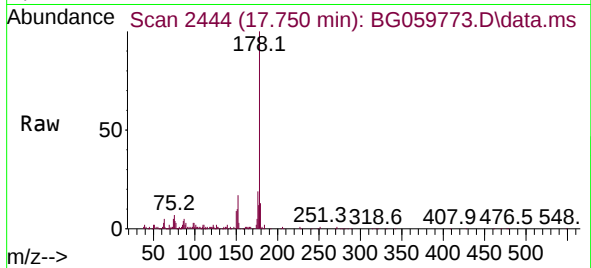




#71
Phenanthrene
Concen: 10.259 ng
RT: 17.750 min Scan# 2446
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

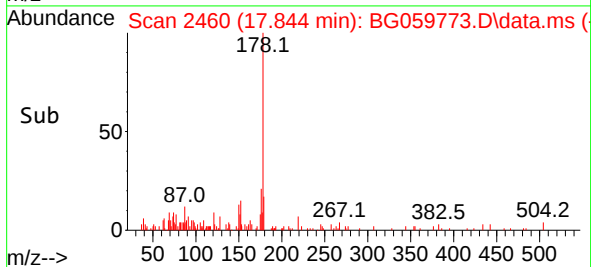
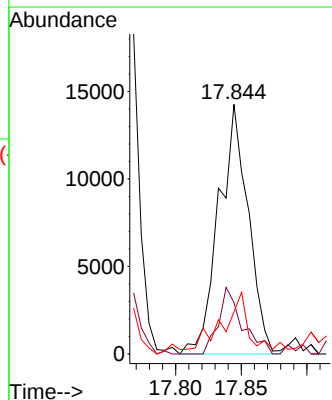
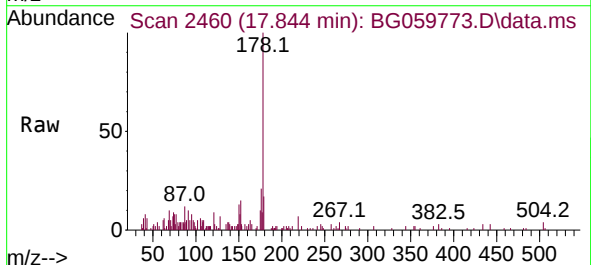
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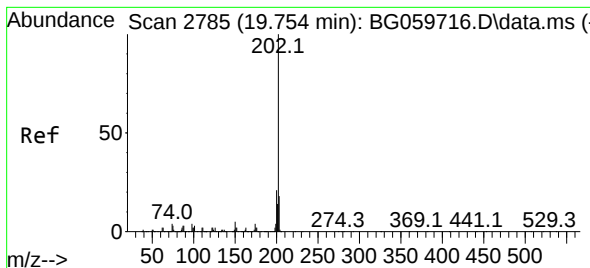
Tgt Ion:178 Resp: 104285
Ion Ratio Lower Upper
178 100
176 19.1 14.5 21.7
179 13.3 11.2 16.8



#72
Anthracene
Concen: 2.112 ng
RT: 17.844 min Scan# 2460
Delta R.T. -0.011 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:178 Resp: 22302
Ion Ratio Lower Upper
178 100
176 20.7 15.0 22.4
179 16.8 11.5 17.3





#75

Fluoranthene

Concen: 13.583 ng

RT: 19.748 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

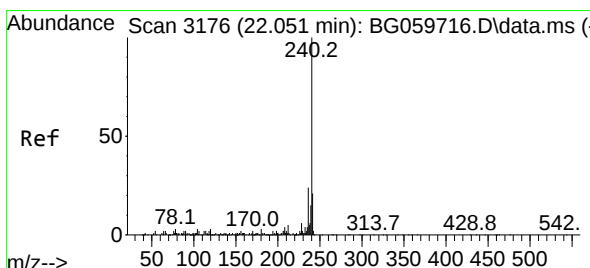
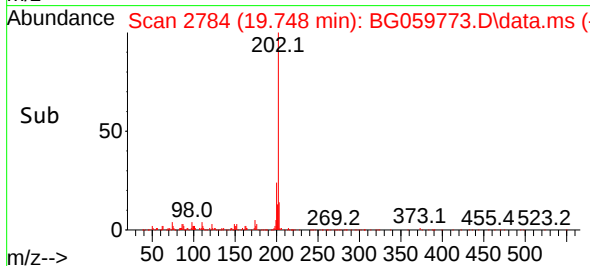
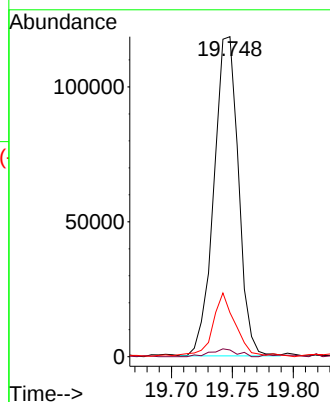
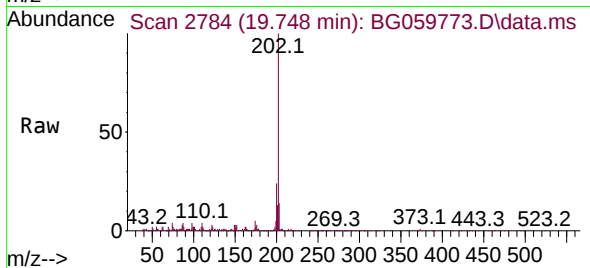
Tgt Ion:202 Resp: 165581

Ion Ratio Lower Upper

202 100

101 2.1 0.0 22.7

203 13.8 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.039 min Scan# 3174

Delta R.T. -0.011 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

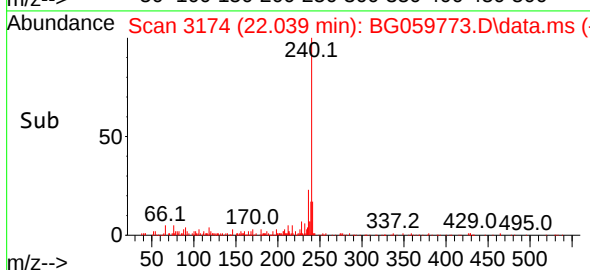
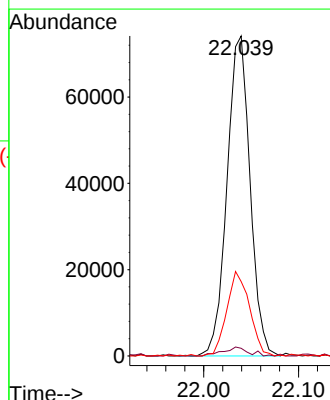
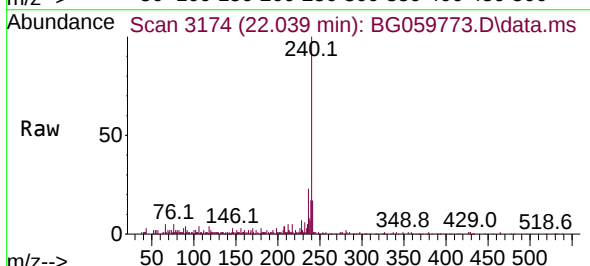
Tgt Ion:240 Resp: 125093

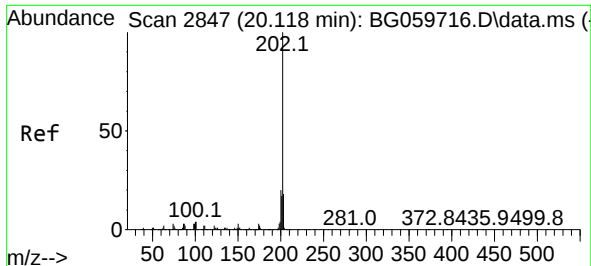
Ion Ratio Lower Upper

240 100

120 2.4 2.2 3.2

236 23.2 19.4 29.2

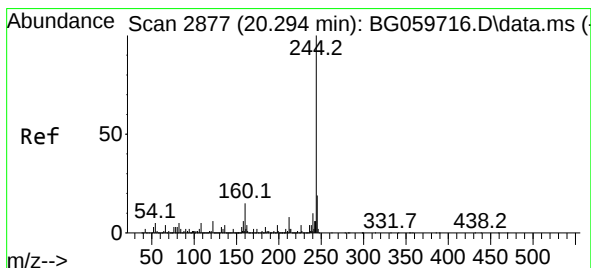
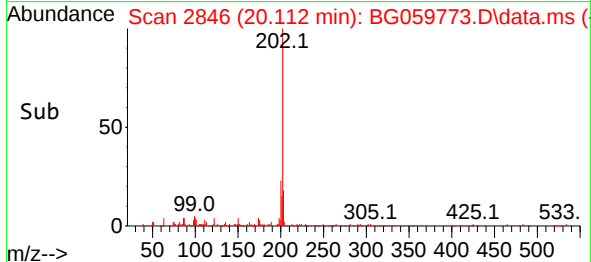
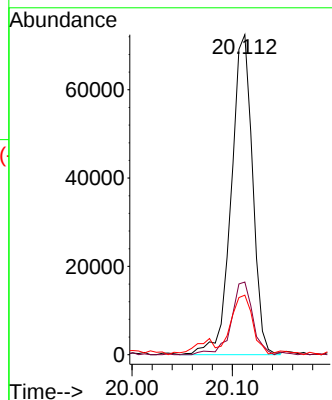
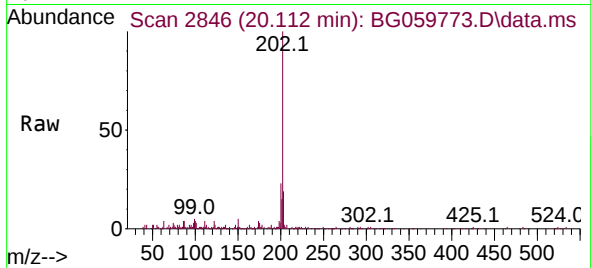




#78
 Pyrene
 Concen: 12.534 ng
 RT: 20.112 min Scan# 2846
 Delta R.T. -0.005 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

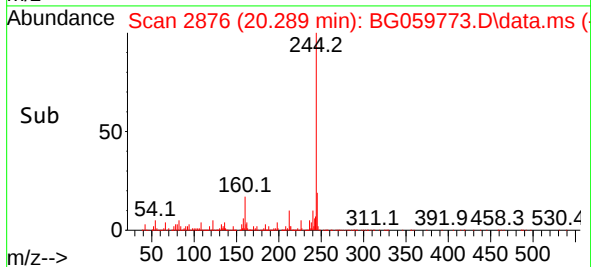
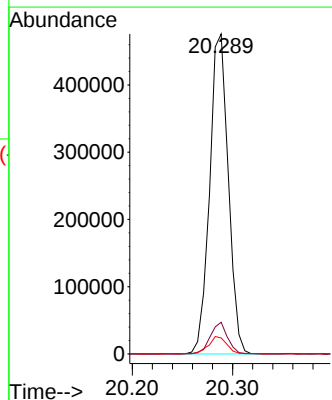
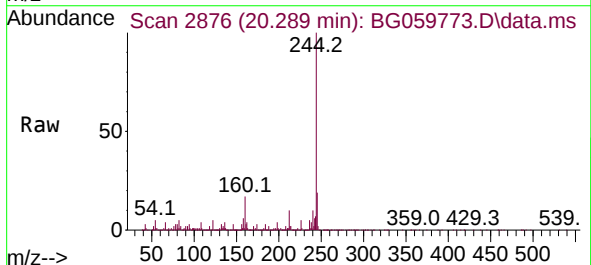
Instrument :
 BNA_G
 ClientSampleId :
 TP-6

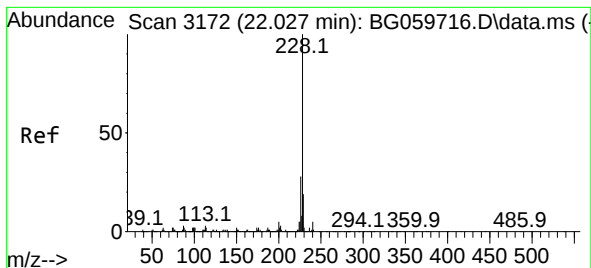
Tgt Ion:202 Resp: 106683
 Ion Ratio Lower Upper
 202 100
 200 22.7 16.2 24.4
 203 18.6 14.0 21.0



#79
 Terphenyl-d14
 Concen: 72.655 ng
 RT: 20.289 min Scan# 2876
 Delta R.T. -0.006 min
 Lab File: BG059773.D
 Acq: 20 Nov 2023 17:47

Tgt Ion:244 Resp: 615659
 Ion Ratio Lower Upper
 244 100
 212 9.9 6.6 10.0
 122 5.0 4.4 6.6





#81

Benzo(a)anthracene

Concen: 7.306 ng

RT: 22.016 min Scan# 3170

Delta R.T. -0.011 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

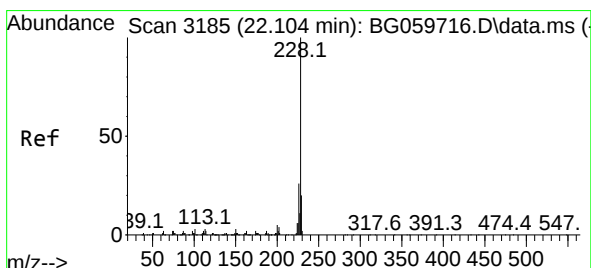
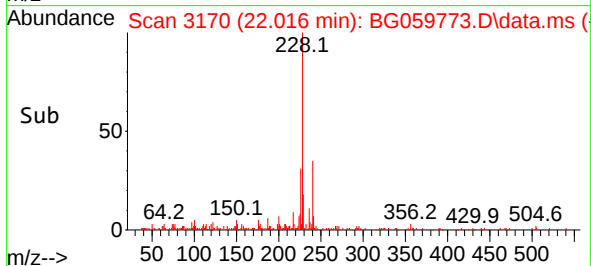
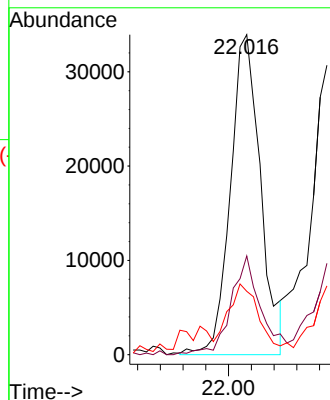
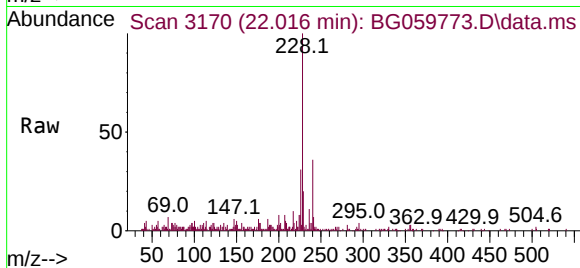
Tgt Ion:228 Resp: 62532

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

229 19.8 14.9 22.3



#83

Chrysene

Concen: 7.642 ng

RT: 22.086 min Scan# 3182

Delta R.T. -0.017 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

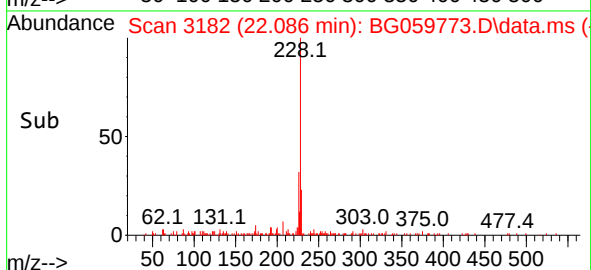
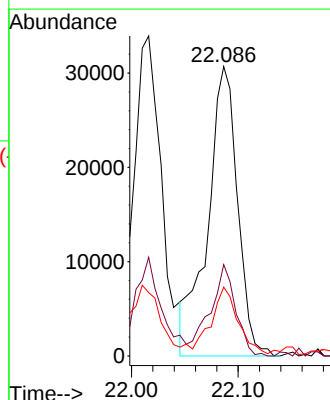
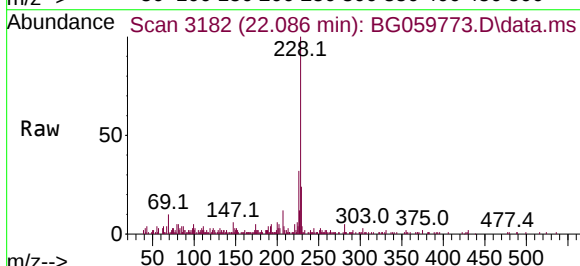
Tgt Ion:228 Resp: 59960

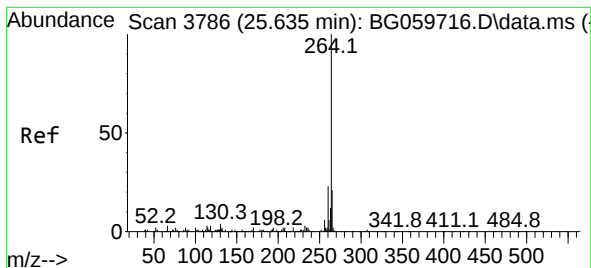
Ion Ratio Lower Upper

228 100

226 31.6 21.1 31.7

229 23.8 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.612 min Scan# 31

Delta R.T. -0.023 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

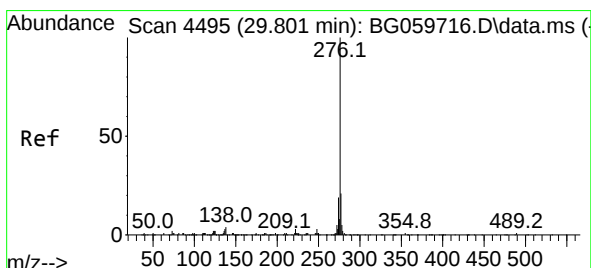
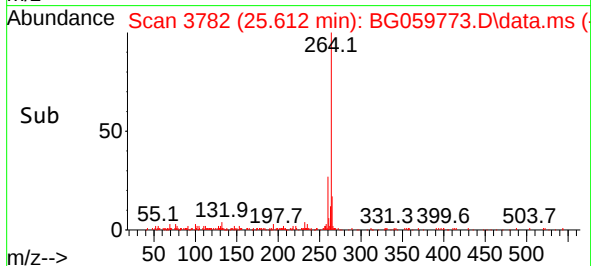
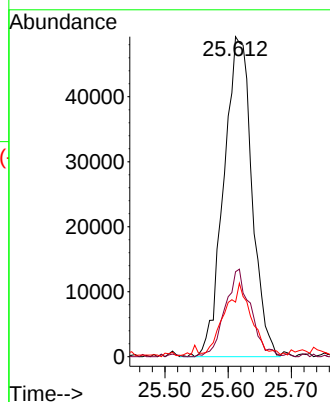
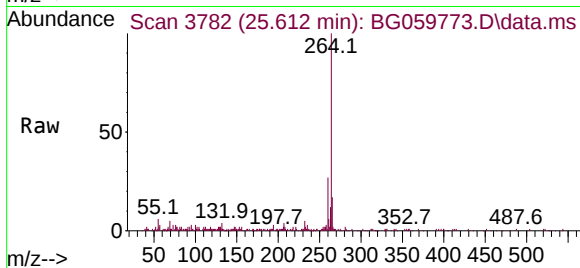
Tgt Ion:264 Resp: 152173

Ion Ratio Lower Upper

264 100

260 26.5 18.5 27.7

265 17.0 17.0 25.6#



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.294 ng

RT: 29.754 min Scan# 4487

Delta R.T. -0.047 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

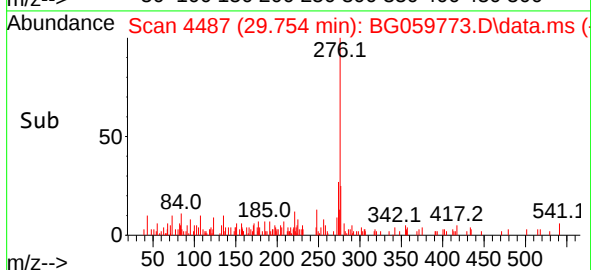
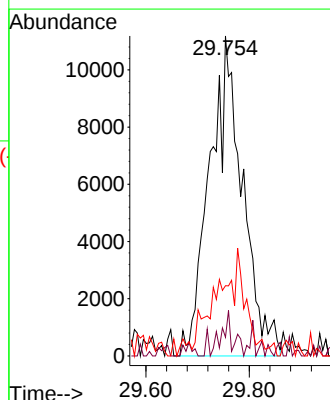
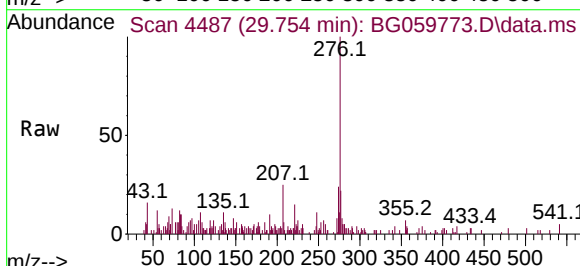
Tgt Ion:276 Resp: 49447

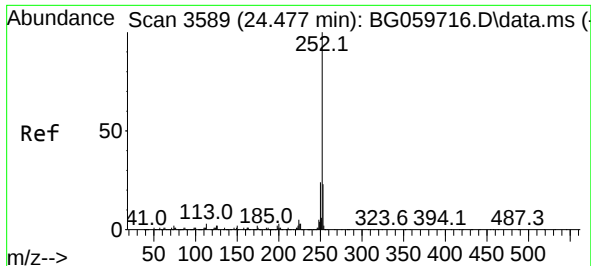
Ion Ratio Lower Upper

276 100

138 3.7 1.8 2.6#

277 12.1 9.8 14.6

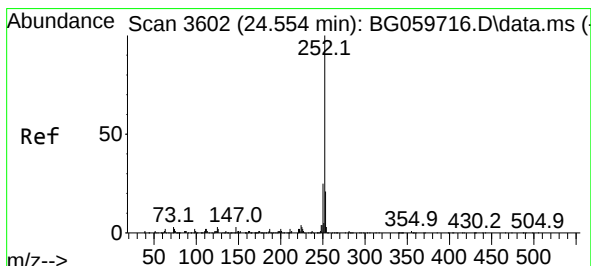
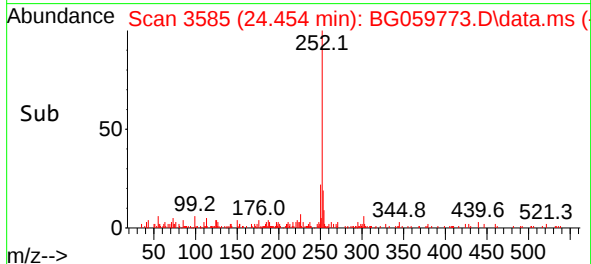
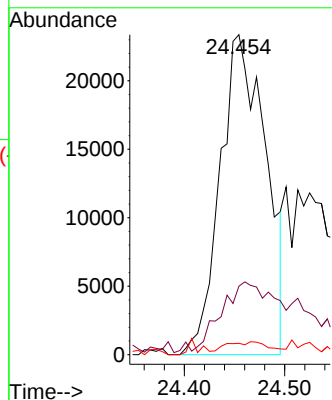
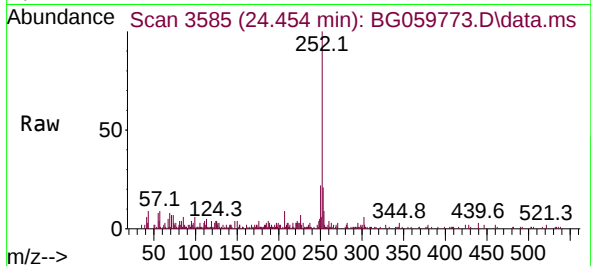




#88
Benzo(b)fluoranthene
Concen: 8.824 ng
RT: 24.454 min Scan# 3585
Delta R.T. -0.023 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

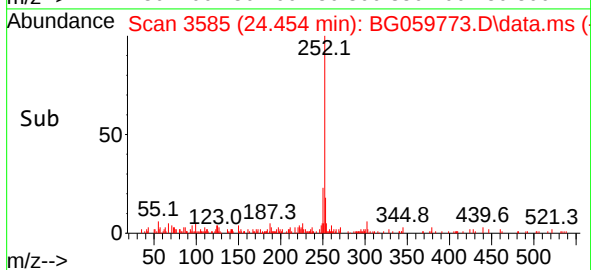
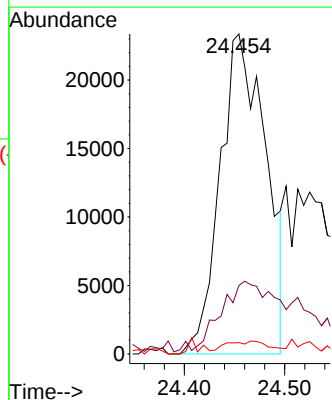
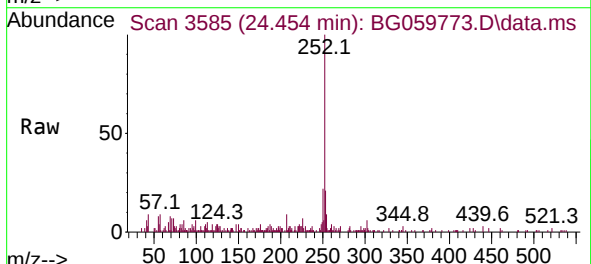
Instrument :
BNA_G
ClientSampleId :
TP-6

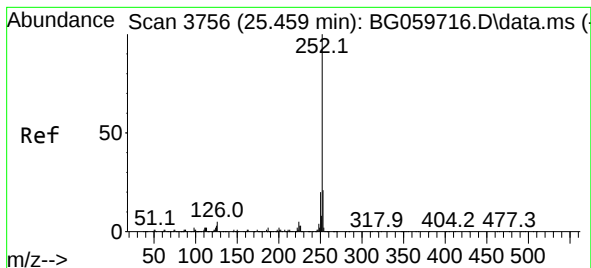
Tgt Ion:252 Resp: 73595
Ion Ratio Lower Upper
252 100
253 21.4 18.3 27.5
125 3.5 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 8.925 ng
RT: 24.454 min Scan# 3585
Delta R.T. -0.100 min
Lab File: BG059773.D
Acq: 20 Nov 2023 17:47

Tgt Ion:252 Resp: 73595
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 3.5 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 6.551 ng

RT: 25.441 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Instrument :

BNA_G

ClientSampleId :

TP-6

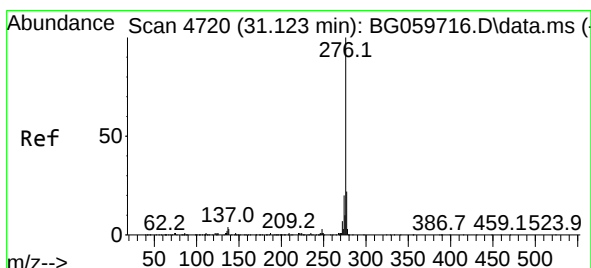
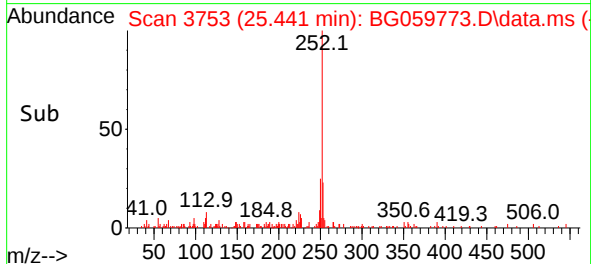
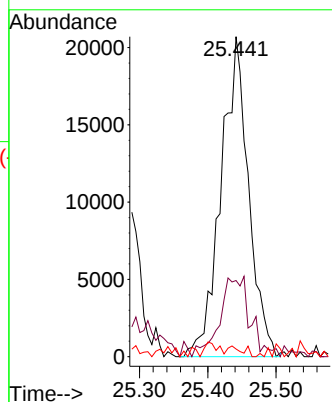
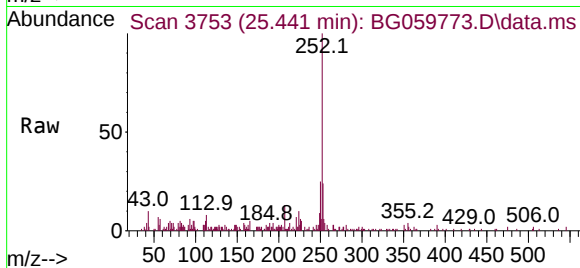
Tgt Ion:252 Resp: 58311

Ion Ratio Lower Upper

252 100

253 23.8 16.8 25.2

125 3.8 2.0 3.0#



#92

Benzo(g,h,i)perylene

Concen: 5.090 ng

RT: 31.070 min Scan# 4711

Delta R.T. -0.053 min

Lab File: BG059773.D

Acq: 20 Nov 2023 17:47

Tgt Ion:276 Resp: 47053

Ion Ratio Lower Upper

276 100

277 13.7 17.3 25.9#

138 0.0 2.6 4.0#

