

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059774.D
 Acq On : 20 Nov 2023 18:27
 Operator : MA/JU
 Sample : 05311-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Nov 21 00:19:57 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)

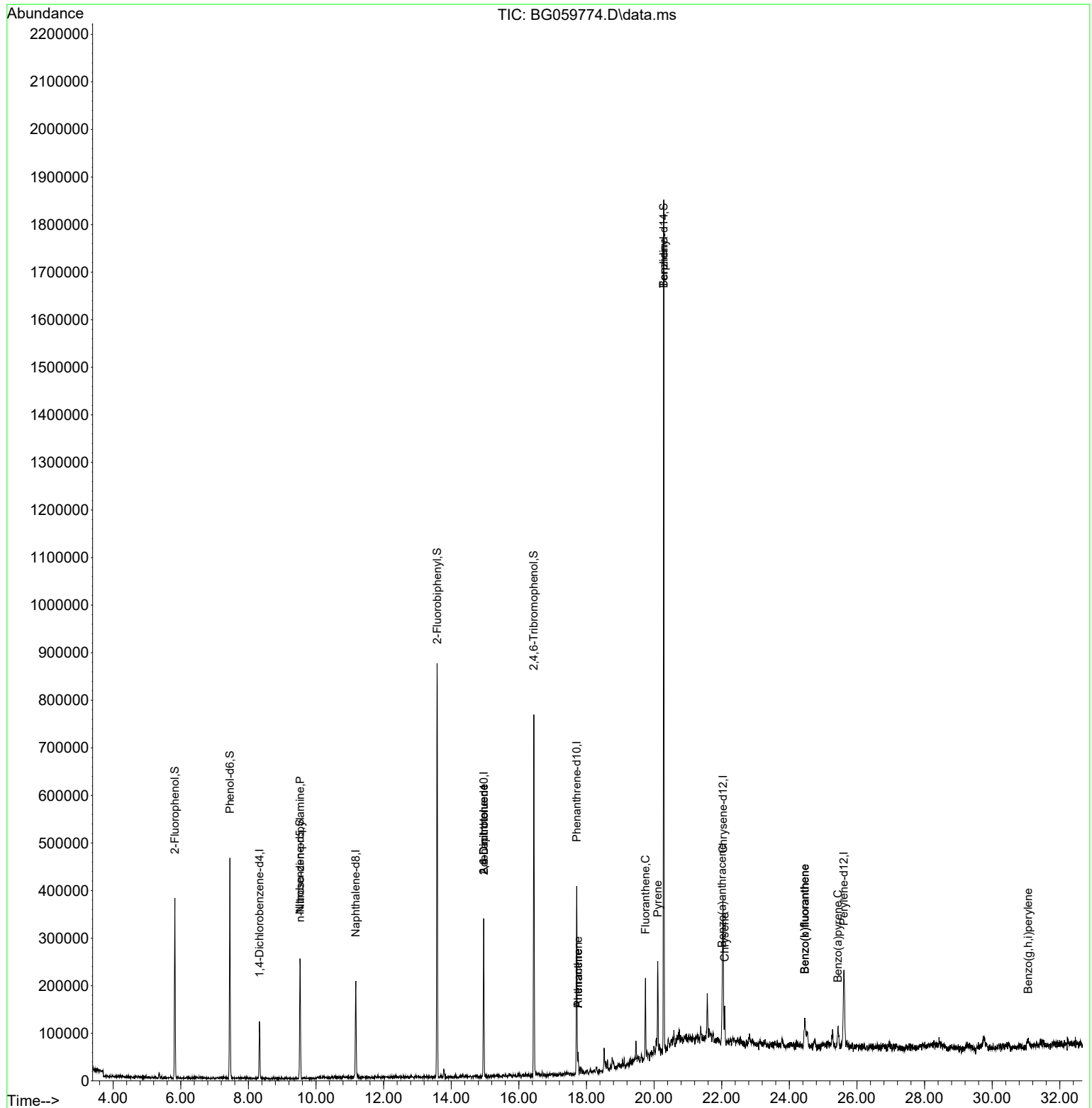
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	24270	20.000	ng	#-0.01
21) Naphthalene-d8	11.178	136	140063	20.000	ng	#-0.01
39) Acenaphthene-d10	14.962	164	96469	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	203425	20.000	ng	0.00
76) Chrysene-d12	22.036	240	162940	20.000	ng	#-0.01
86) Perylene-d12	25.614	264	186221	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	124124	86.081	ng	0.00
7) Phenol-d6	7.453	99	177401	83.021	ng	0.00
23) Nitrobenzene-d5	9.527	82	150916	41.151	ng	-0.01
42) 2,4,6-Tribromophenol	16.443	330	98953	90.404	ng	-0.01
45) 2-Fluorobiphenyl	13.587	172	370630	51.715	ng	0.00
79) Terphenyl-d14	20.285	244	686420	62.190	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.533	70	26280	15.618	ng	# 84
51) 2,6-Dinitrotoluene	14.962	165	12777	9.009	ng	# 2
57) 2,4-Dinitrotoluene	14.962	165	12777	5.858	ng	# 5
71) Phenanthrene	17.753	178	24701	2.388	ng	95
72) Anthracene	17.753	178	24701	2.299	ng	95
75) Fluoranthene	19.745	202	92640	7.469	ng	96
77) Benzidine	20.285	184	21067	5.702	ng	# 97
78) Pyrene	20.109	202	109106	9.841	ng	95
81) Benzo(a)anthracene	22.012	228	52126	4.675	ng	# 89
83) Chrysene	22.089	228	49321	4.826	ng	96
88) Benzo(b)fluoranthene	24.457	252	64616	6.331	ng	# 93
89) Benzo(k)fluoranthene	24.457	252	64616	6.404	ng	# 96
90) Benzo(a)pyrene	25.438	252	49546	4.548	ng	# 92
92) Benzo(g,h,i)perylene	31.067	276	24285	2.147	ng	93

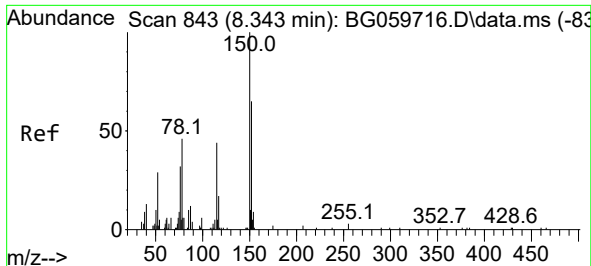
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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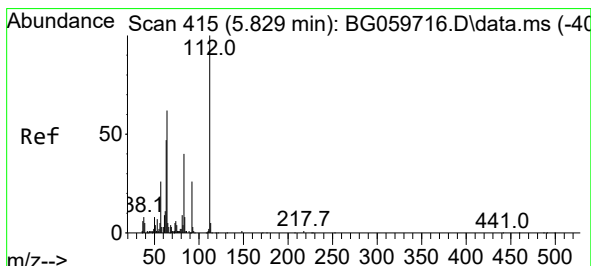
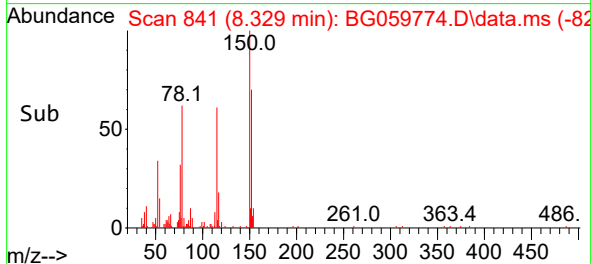
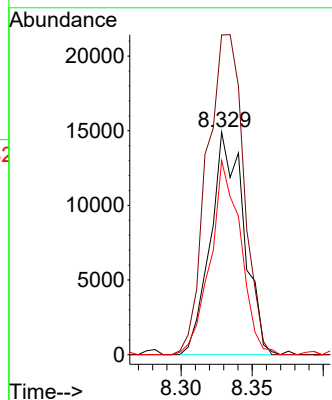
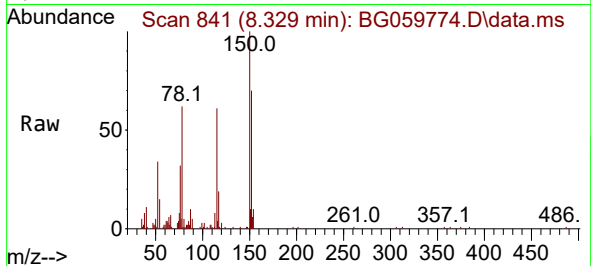




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 84
Delta R.T. -0.014 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

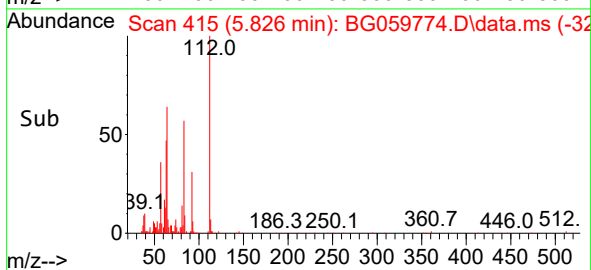
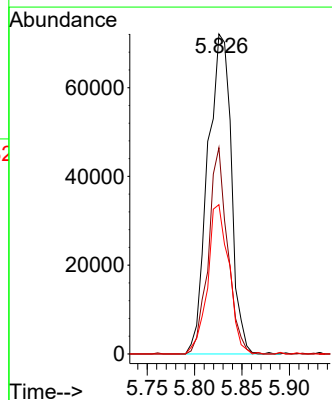
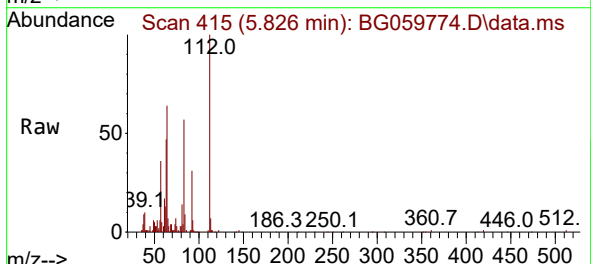
Instrument :
BNA_G
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TP-1

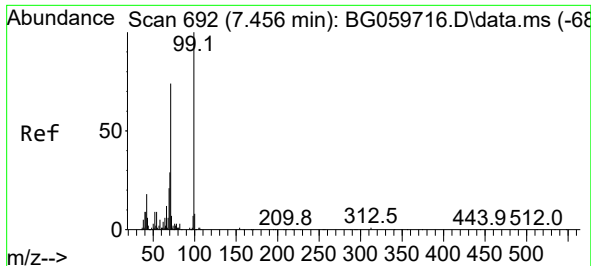
Tgt Ion:152 Resp: 24270
Ion Ratio Lower Upper
152 100
150 143.7 122.2 183.4
115 87.2 54.2 81.4#



#5
2-Fluorophenol
Concen: 86.081 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:112 Resp: 124124
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 46.6 37.4 56.2

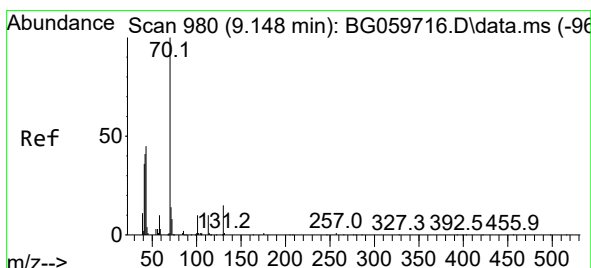
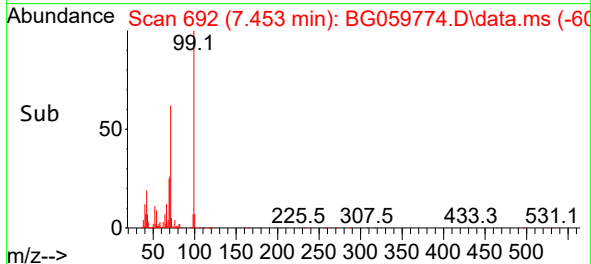
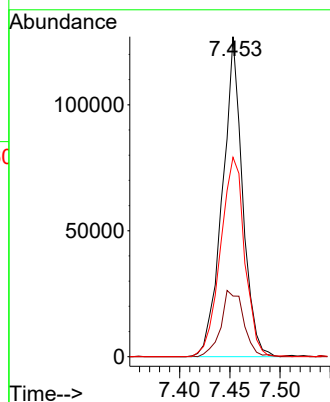
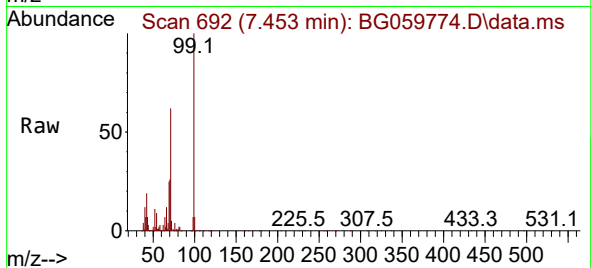




#7
Phenol-d6
Concen: 83.021 ng
RT: 7.453 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

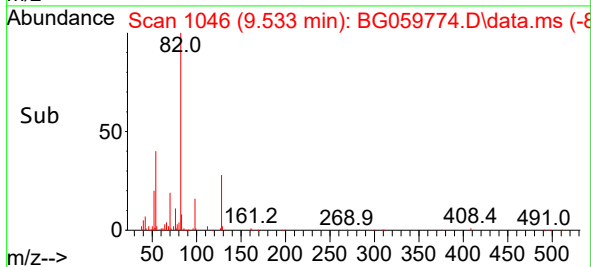
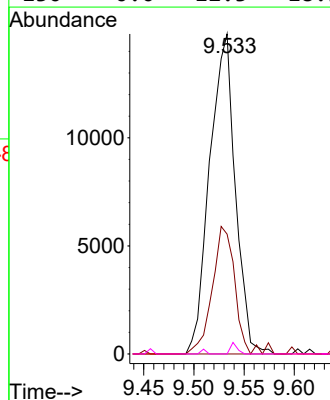
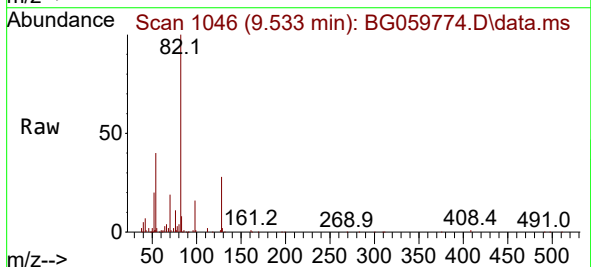
Instrument :
BNA_G
ClientSampleId :
TP-1

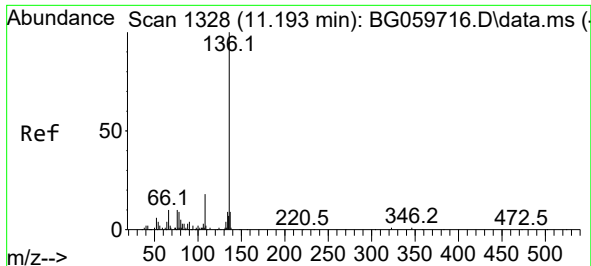
Tgt Ion: 99 Resp: 177401
Ion Ratio Lower Upper
99 100
42 19.0 14.3 21.5
71 62.3 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.618 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion: 70 Resp: 26280
Ion Ratio Lower Upper
70 100
42 37.5 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

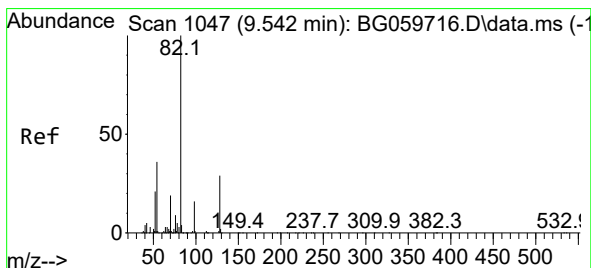
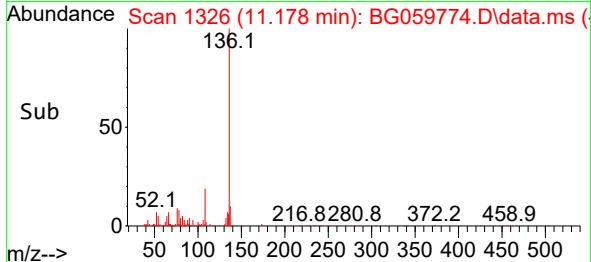
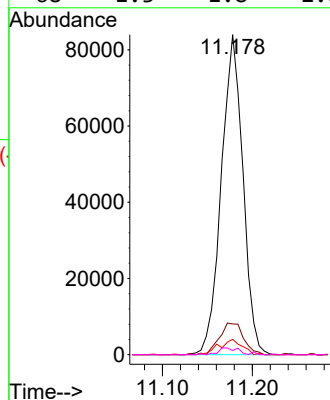
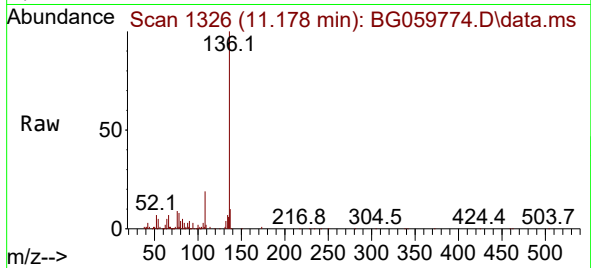




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 111
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

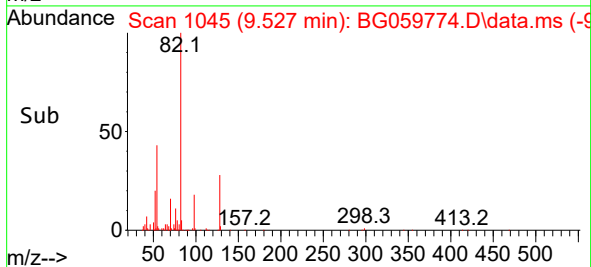
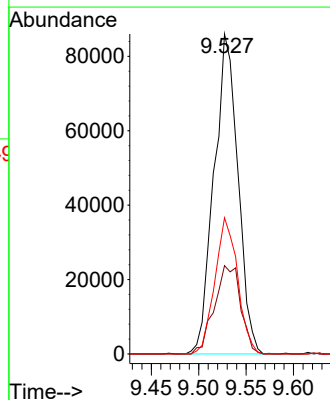
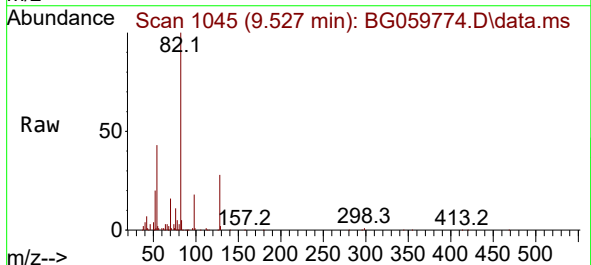
Instrument :
BNA_G
ClientSampleId :
TP-1

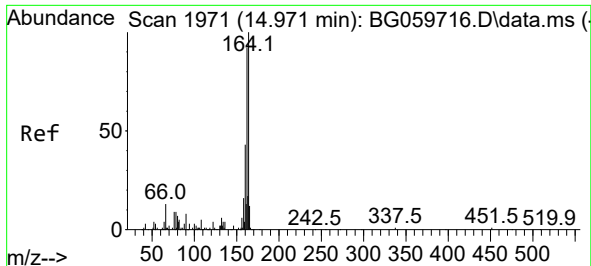
Tgt Ion:136 Resp: 140063
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.0
54 4.8 3.1 4.7#
68 1.3 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 41.151 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion: 82 Resp: 150916
Ion Ratio Lower Upper
82 100
128 27.6 23.0 34.6
54 42.5 28.7 43.1

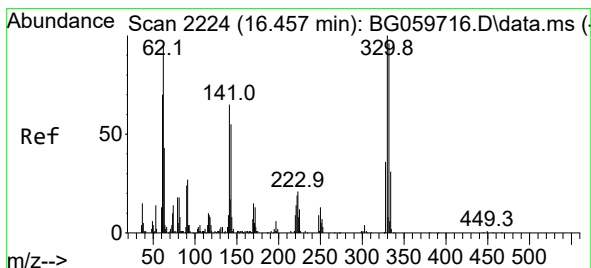
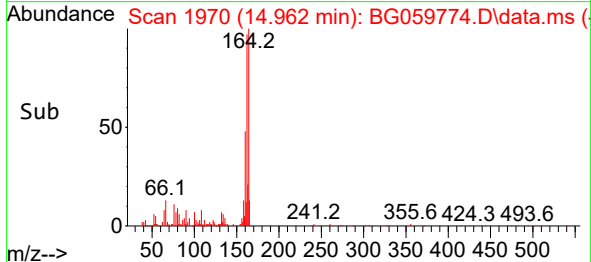
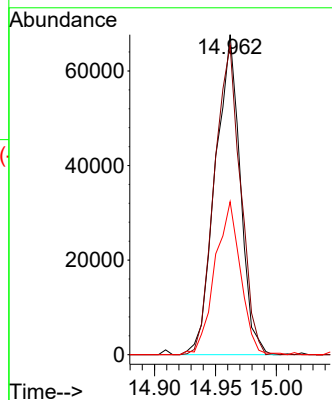
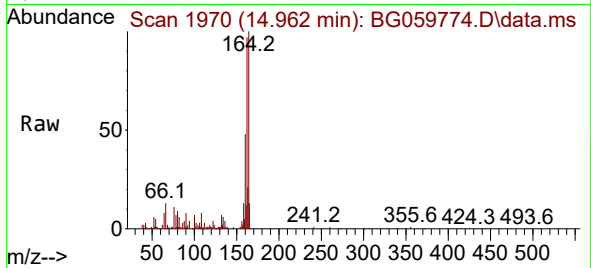




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

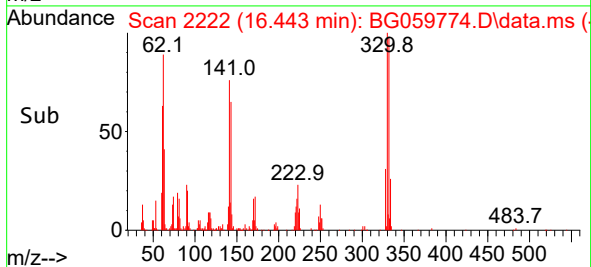
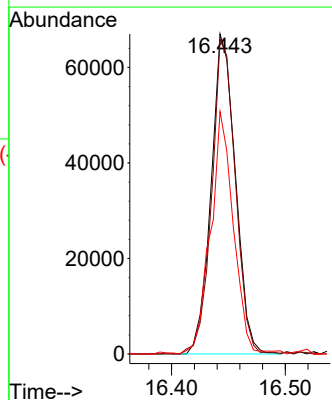
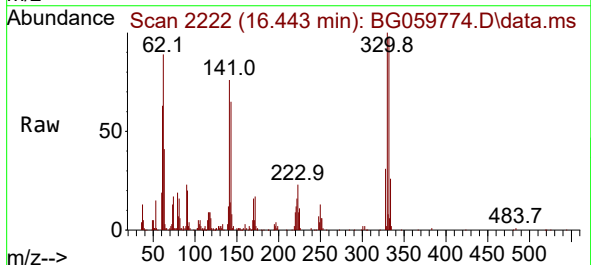
Instrument :
BNA_G
ClientSampleId :
TP-1

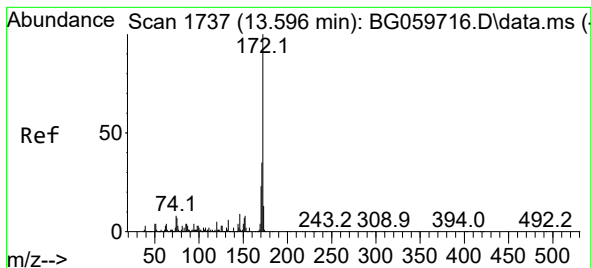
Tgt Ion:164 Resp: 96469
Ion Ratio Lower Upper
164 100
162 96.6 73.3 109.9
160 47.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 90.404 ng
RT: 16.443 min Scan# 2222
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:330 Resp: 98953
Ion Ratio Lower Upper
330 100
332 95.7 73.3 109.9
141 71.8 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 51.715 ng

RT: 13.587 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

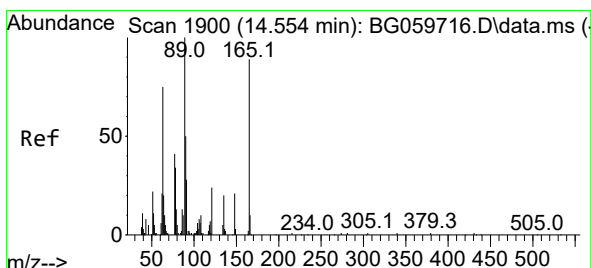
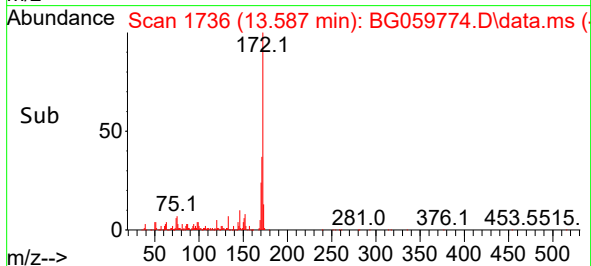
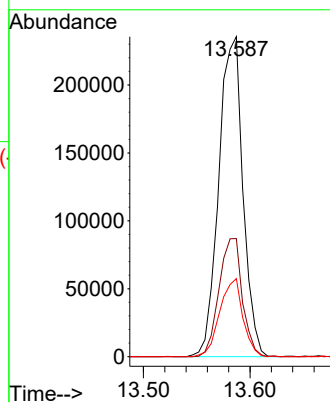
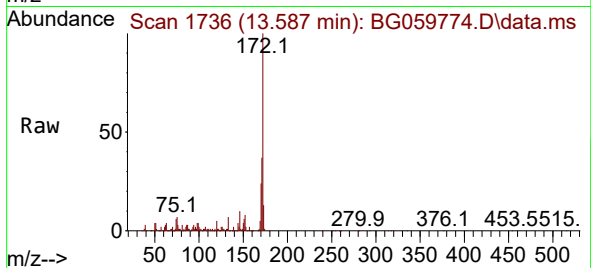
Tgt Ion:172 Resp: 370630

Ion Ratio Lower Upper

172 100

171 36.9 27.7 41.5

170 24.4 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 14.962 min Scan# 1970

Delta R.T. 0.408 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

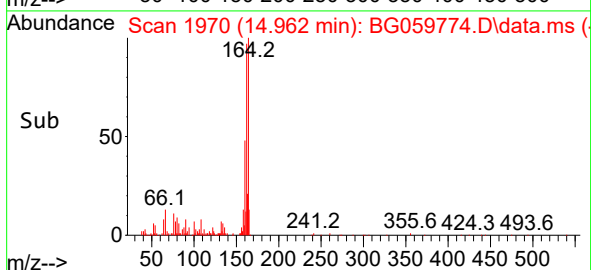
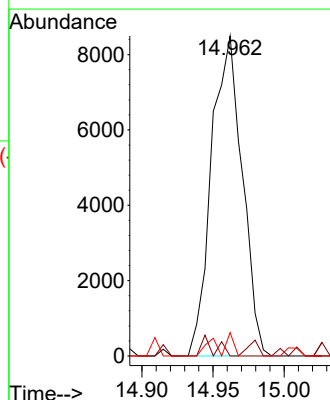
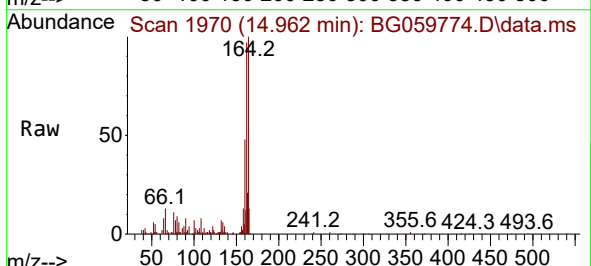
Tgt Ion:165 Resp: 12777

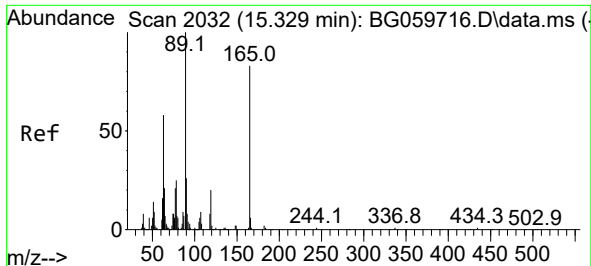
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 7.3 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.858 ng

RT: 14.962 min Scan# 1970

Delta R.T. -0.367 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion:165 Resp: 12777

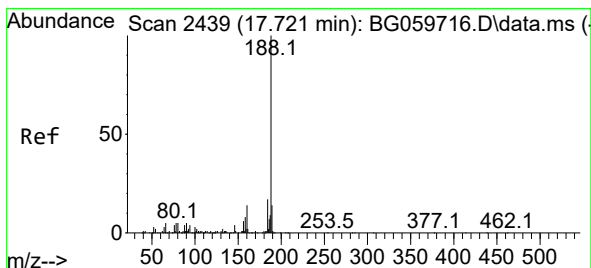
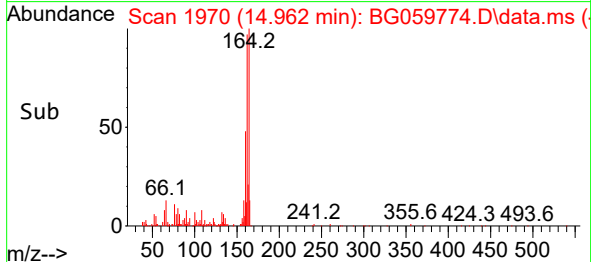
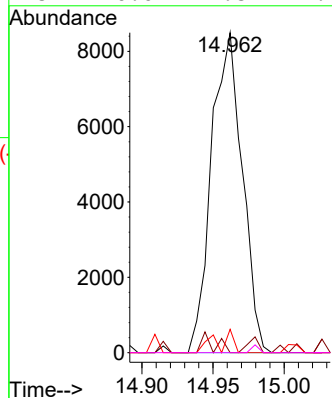
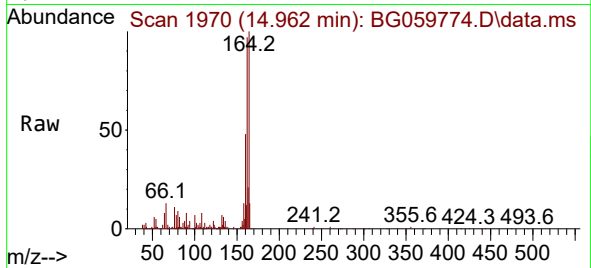
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 7.3 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2438

Delta R.T. -0.009 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

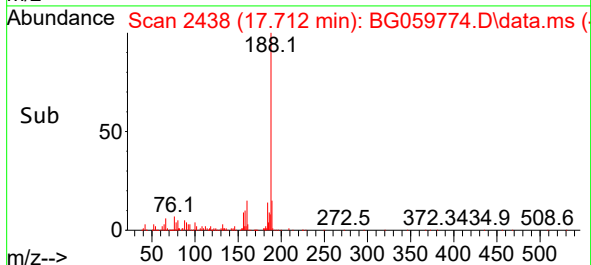
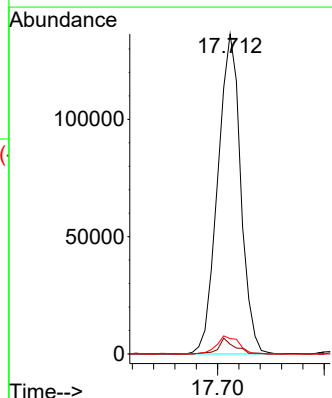
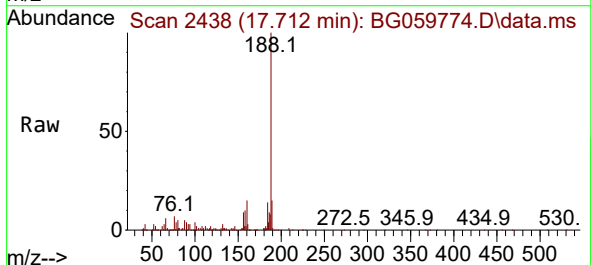
Tgt Ion:188 Resp: 203425

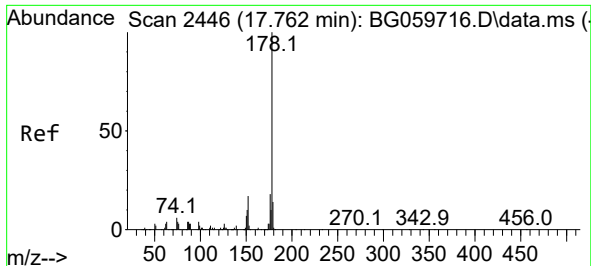
Ion Ratio Lower Upper

188 100

94 3.1 3.0 4.4

80 4.8 4.2 6.4

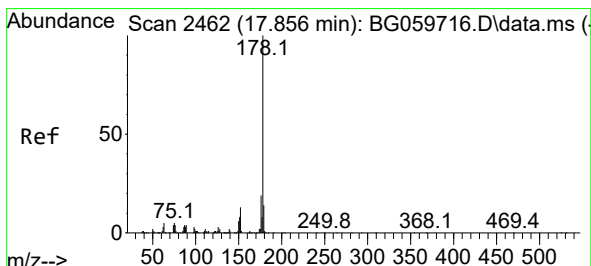
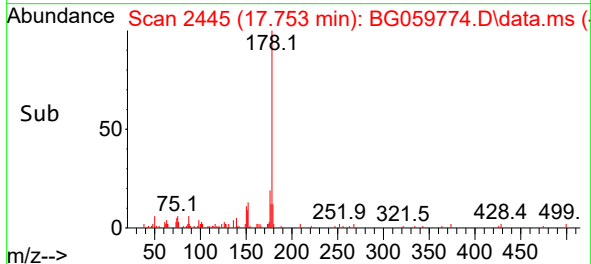
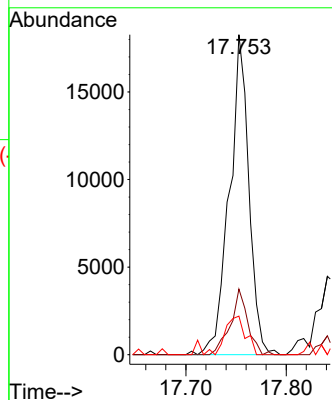
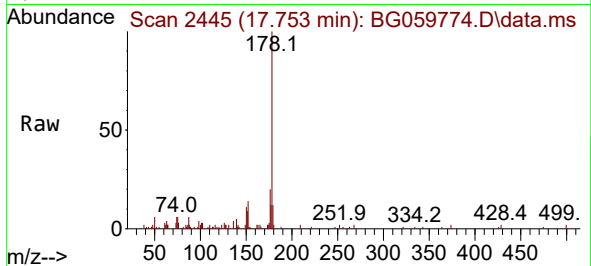




#71
Phenanthrene
Concen: 2.388 ng
RT: 17.753 min Scan# 2445
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

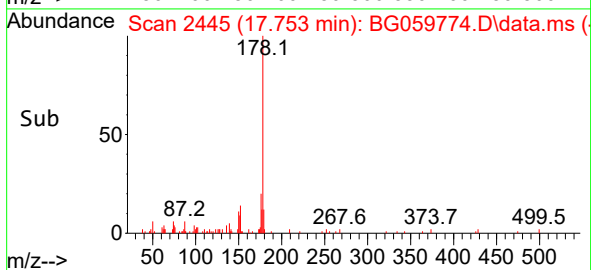
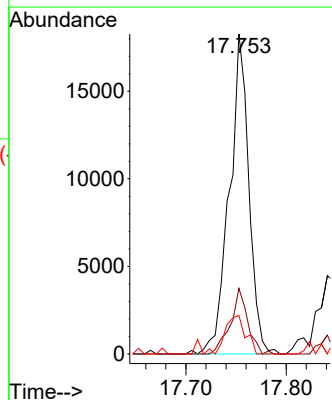
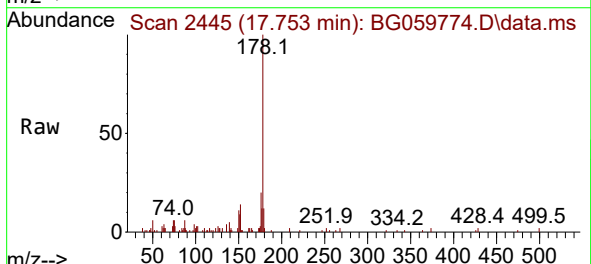
Instrument :
BNA_G
ClientSampleId :
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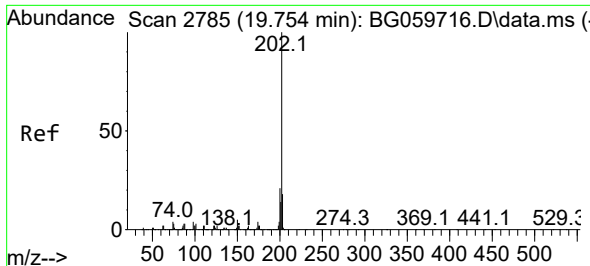
Tgt Ion:178 Resp: 24701
Ion Ratio Lower Upper
178 100
176 20.5 14.5 21.7
179 12.1 11.2 16.8



#72
Anthracene
Concen: 2.299 ng
RT: 17.753 min Scan# 2445
Delta R.T. -0.103 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:178 Resp: 24701
Ion Ratio Lower Upper
178 100
176 20.5 15.0 22.4
179 12.1 11.5 17.3

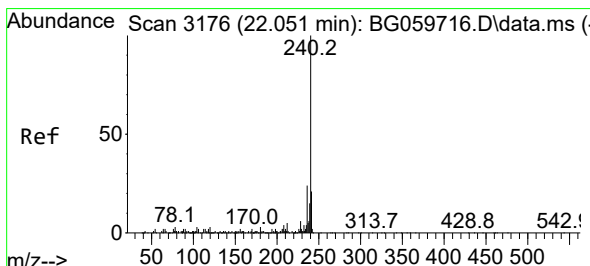
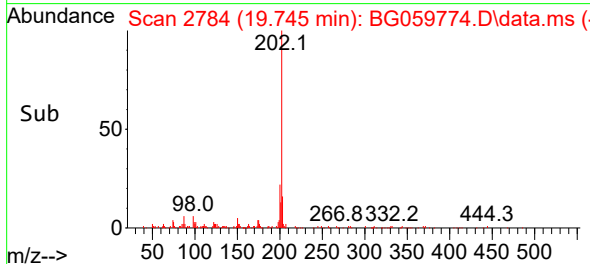
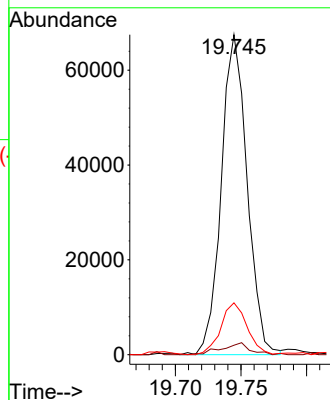
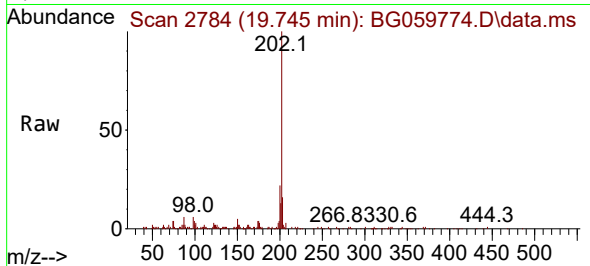




#75
Fluoranthene
Concen: 7.469 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

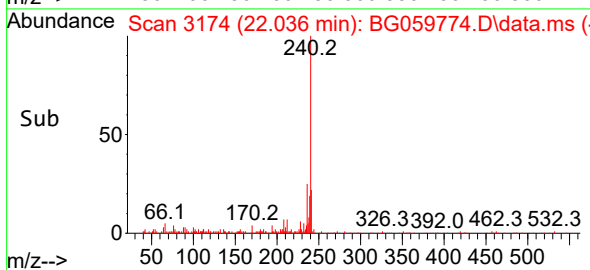
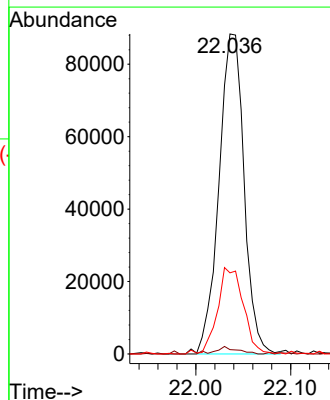
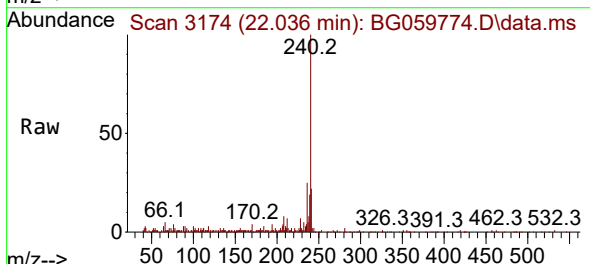
Instrument :
BNA_G
ClientSampleId :
TP-1

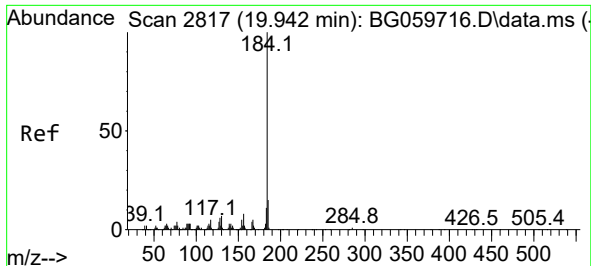
Tgt Ion:202 Resp: 92640
Ion Ratio Lower Upper
202 100
101 2.9 0.0 22.7
203 16.2 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.036 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:240 Resp: 162940
Ion Ratio Lower Upper
240 100
120 1.4 2.2 3.2#
236 25.4 19.4 29.2

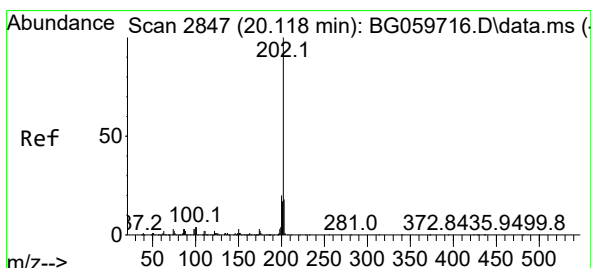
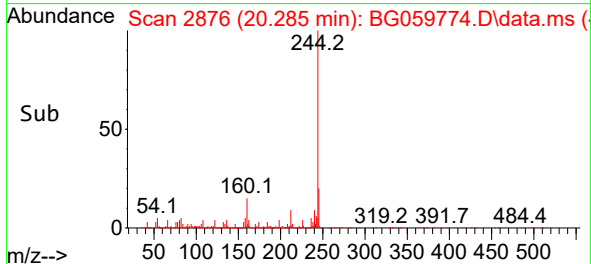
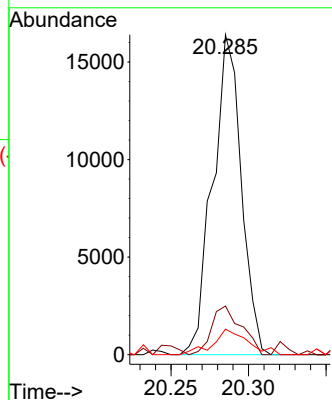
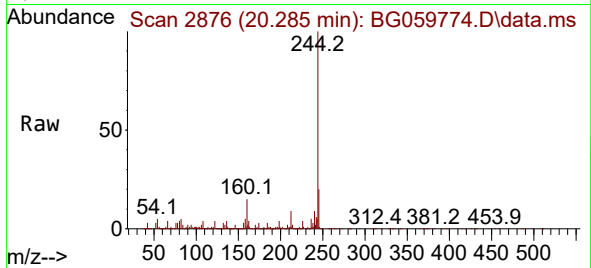




#77
Benzidine
Concen: 5.702 ng
RT: 20.285 min Scan# 21
Delta R.T. 0.344 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

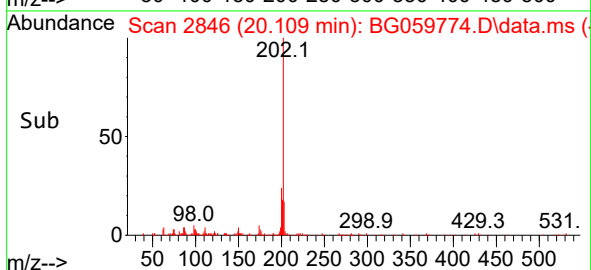
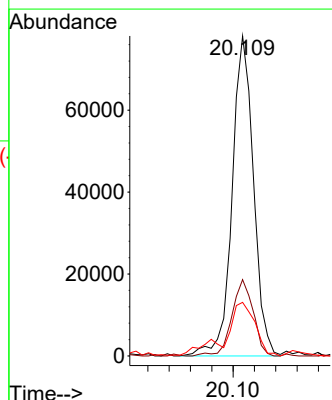
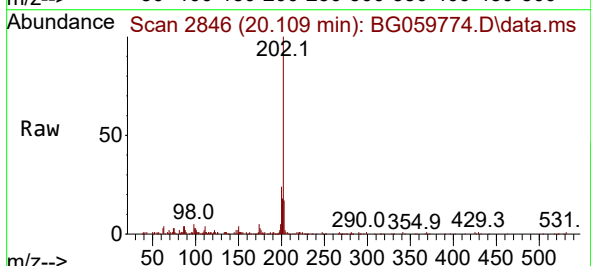
Instrument :
BNA_G
ClientSampleId :
TP-1

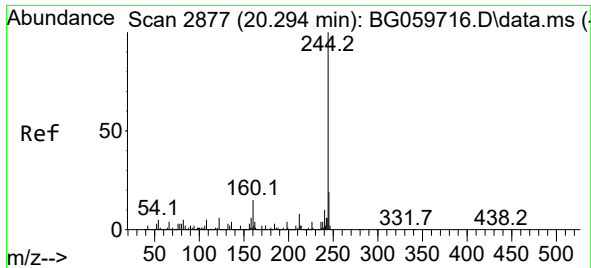
Tgt Ion:184 Resp: 21067
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 8.0 8.8 13.2#



#78
Pyrene
Concen: 9.841 ng
RT: 20.109 min Scan# 2846
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:202 Resp: 109106
Ion Ratio Lower Upper
202 100
200 23.9 16.2 24.4
203 16.8 14.0 21.0





#79

Terphenyl-d14

Concen: 62.190 ng

RT: 20.285 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

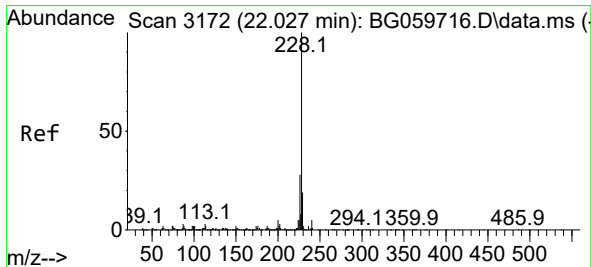
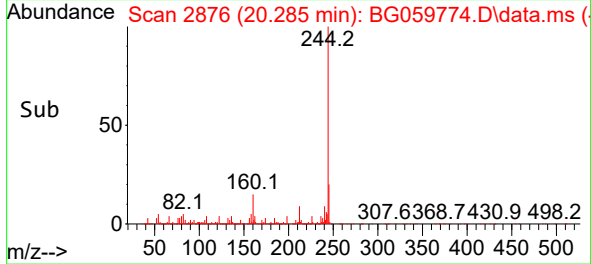
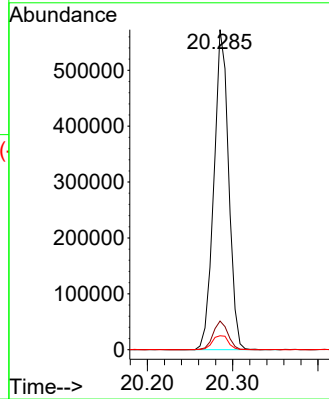
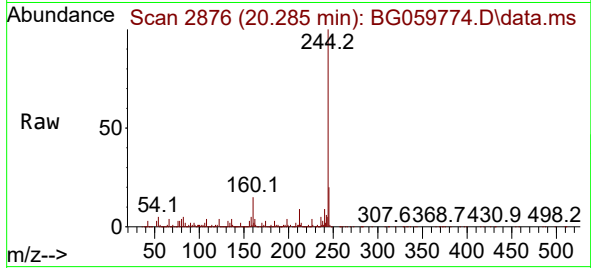
Tgt Ion:244 Resp: 686420

Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

122 4.3 4.4 6.6#



#81

Benzo(a)anthracene

Concen: 4.675 ng

RT: 22.012 min Scan# 3170

Delta R.T. -0.015 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

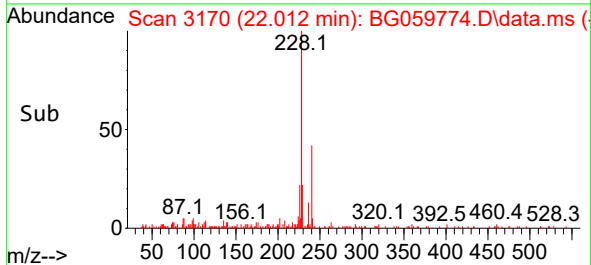
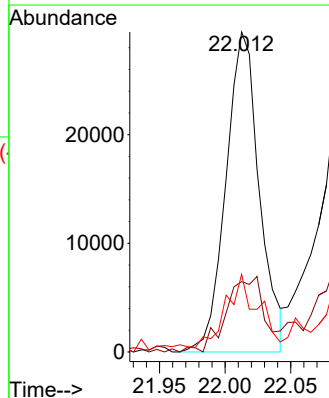
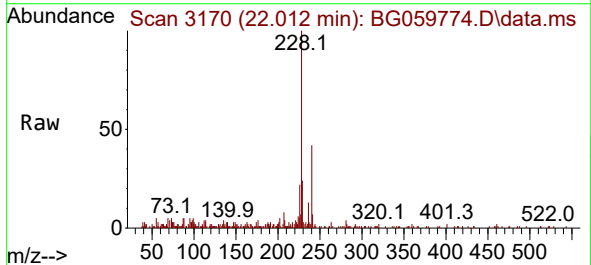
Tgt Ion:228 Resp: 52126

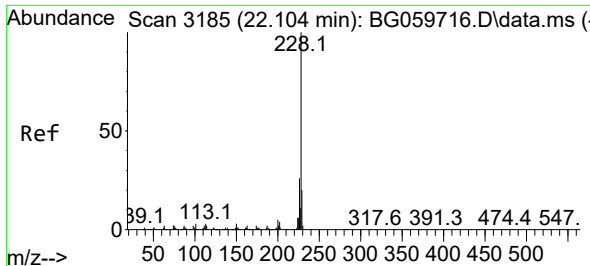
Ion Ratio Lower Upper

228 100

226 22.0 22.1 33.1#

229 24.3 14.9 22.3#





#83

Chrysene

Concen: 4.826 ng

RT: 22.089 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

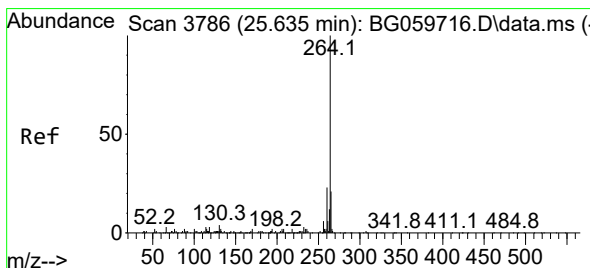
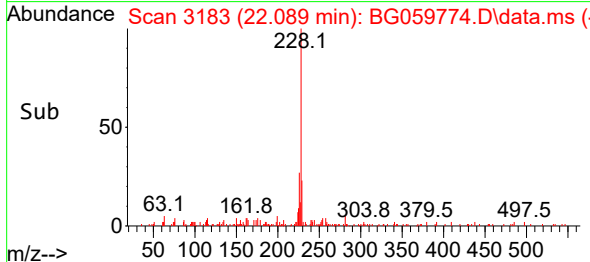
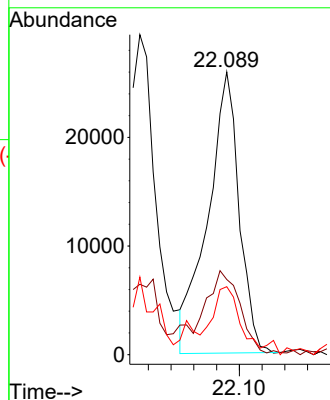
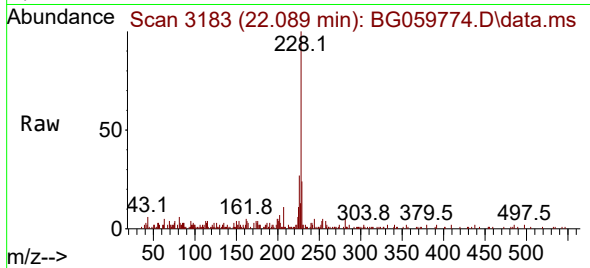
Tgt Ion:228 Resp: 49321

Ion Ratio Lower Upper

228 100

226 26.6 21.1 31.7

229 24.1 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.614 min Scan# 3783

Delta R.T. -0.021 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

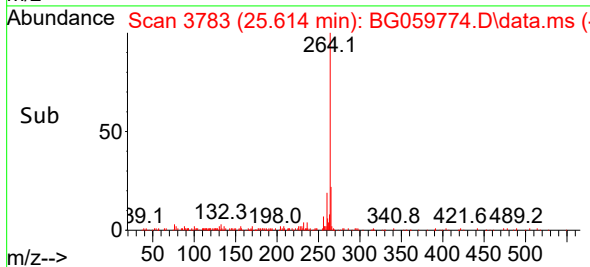
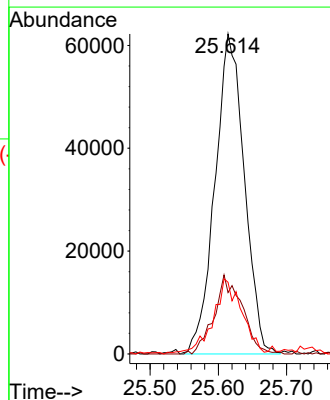
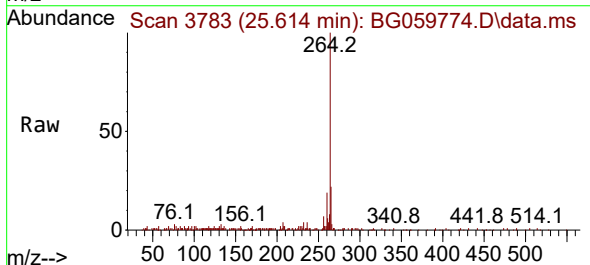
Tgt Ion:264 Resp: 186221

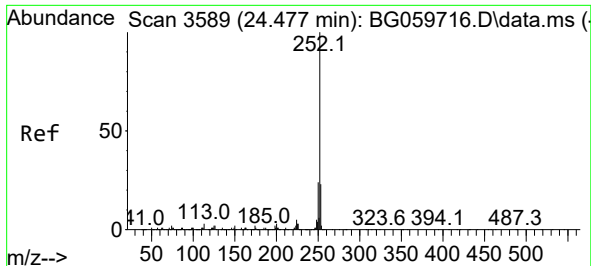
Ion Ratio Lower Upper

264 100

260 19.2 18.5 27.7

265 22.4 17.0 25.6

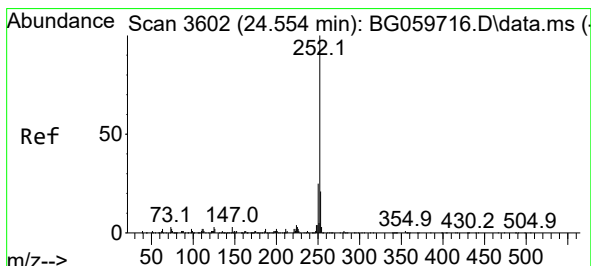
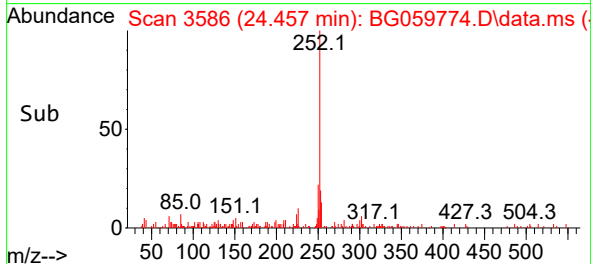
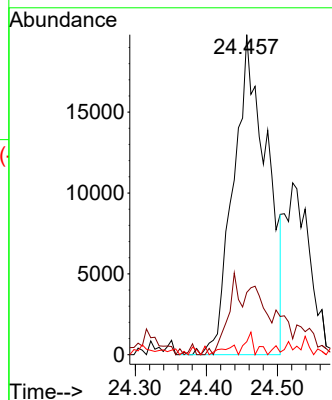
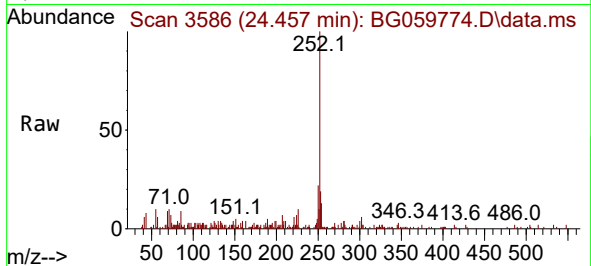




#88
Benzo(b)fluoranthene
Concen: 6.331 ng
RT: 24.457 min Scan# 3586
Delta R.T. -0.021 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

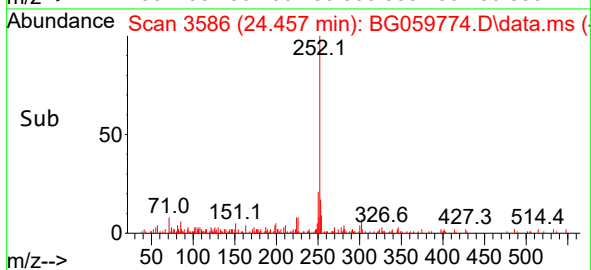
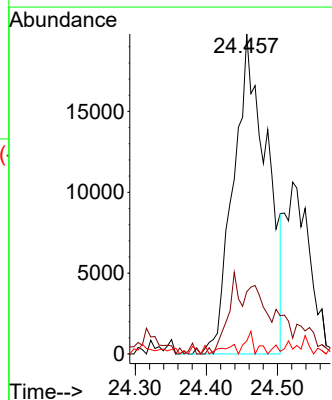
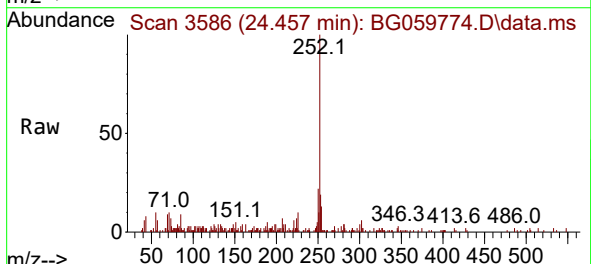
Instrument :
BNA_G
ClientSampleId :
TP-1

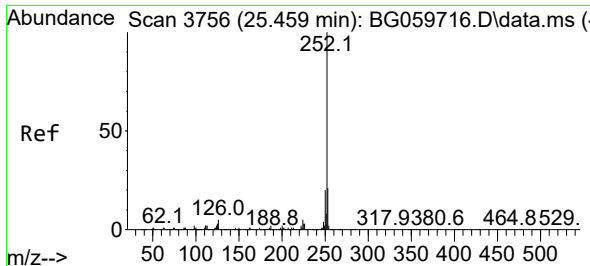
Tgt Ion:252 Resp: 64616
Ion Ratio Lower Upper
252 100
253 19.4 18.3 27.5
125 4.0 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 6.404 ng
RT: 24.457 min Scan# 3586
Delta R.T. -0.097 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:252 Resp: 64616
Ion Ratio Lower Upper
252 100
253 19.4 17.1 25.7
125 4.0 2.2 3.2#

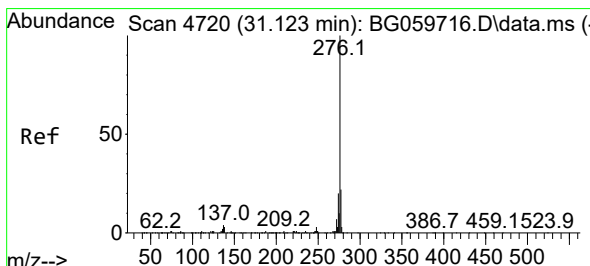
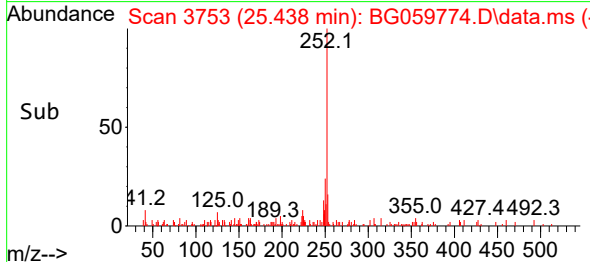
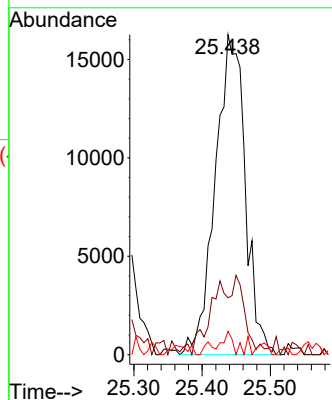
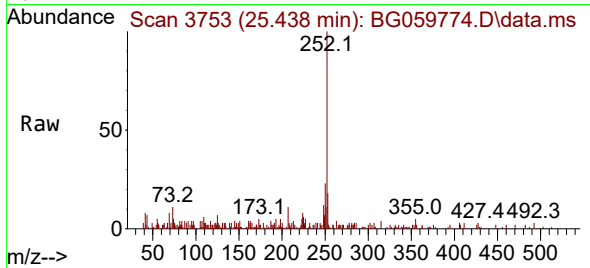




#90
Benzo(a)pyrene
Concen: 4.548 ng
RT: 25.438 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 49546
Ion Ratio Lower Upper
252 100
253 17.8 16.8 25.2
125 7.3 2.0 3.0#



#92
Benzo(g,h,i)perylene
Concen: 2.147 ng
RT: 31.067 min Scan# 4711
Delta R.T. -0.056 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:276 Resp: 24285
Ion Ratio Lower Upper
276 100
277 25.3 17.3 25.9
138 3.8 2.6 4.0

