

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)

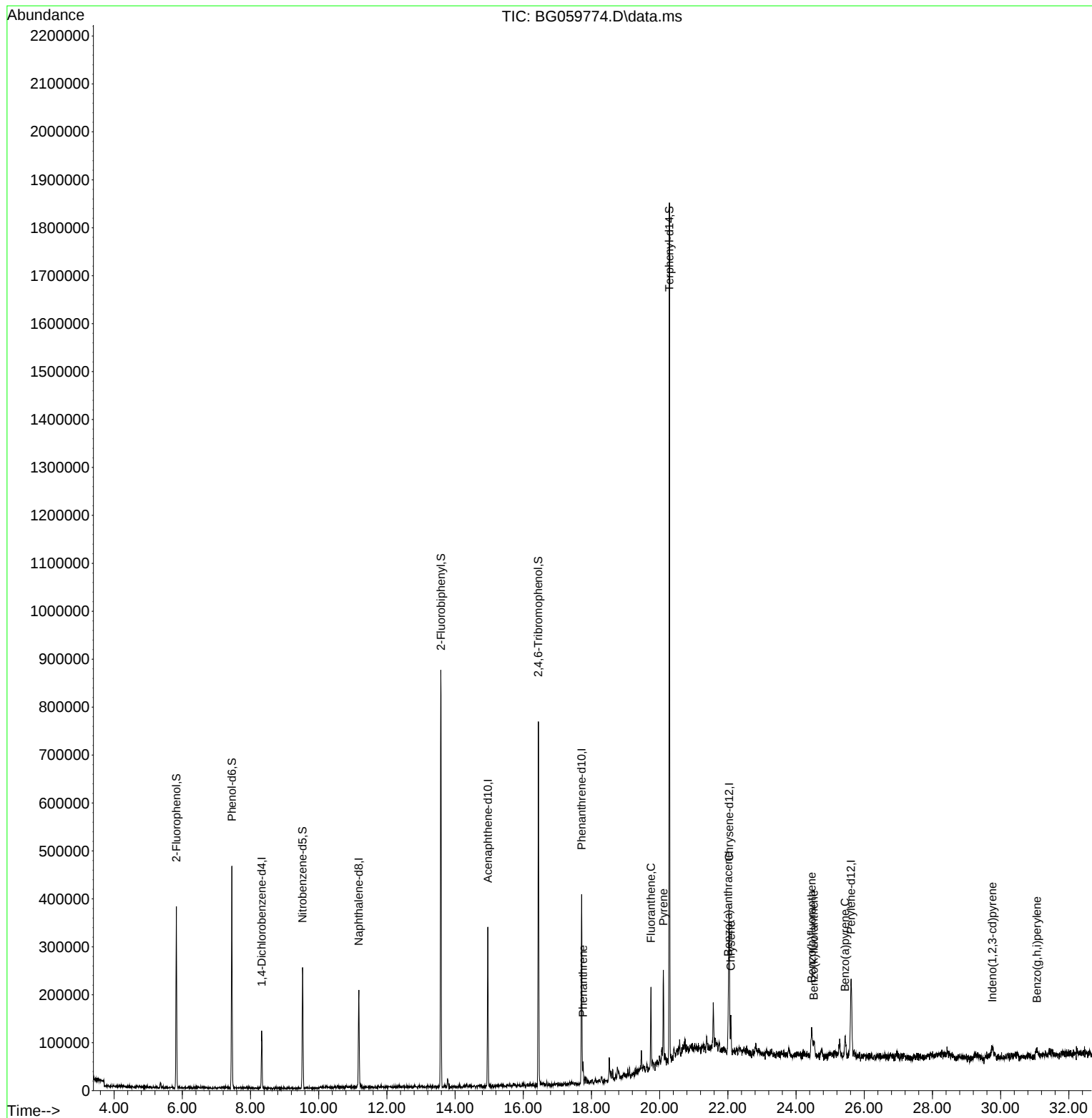
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	24270	20.000	ng	#-0.01
21) Naphthalene-d8	11.178	136	140063	20.000	ng	#-0.01
39) Acenaphthene-d10	14.962	164	96469	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	203425	20.000	ng	0.00
76) Chrysene-d12	22.036	240	162940	20.000	ng	#-0.01
86) 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
71) Phenanthrene	17.753	178	24701	2.388	ng	95
75) Fluoranthene	19.745	202	92640	7.469	ng	96
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	51586m	5.048	ng	
87) Indeno(1,2,3-cd)pyrene	29.756	276	33158m	2.353	ng	
88) Benzo(b)fluoranthene	24.457	252	64616	6.331	ng	# 93
89) Benzo(k)fluoranthene	24.521	252	25372m	2.514	ng	
90) Benzo(a)pyrene	25.438	252	49546	4.548	ng	# 92
92) Benzo(g,h,i)perylene	31.067	276	37766m	3.339	ng	

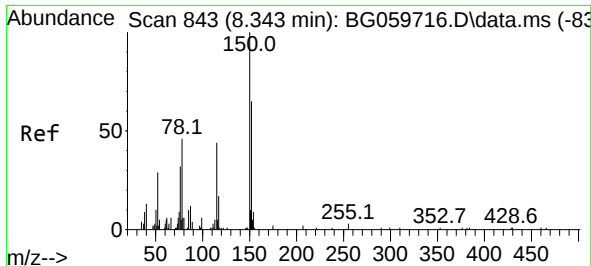
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

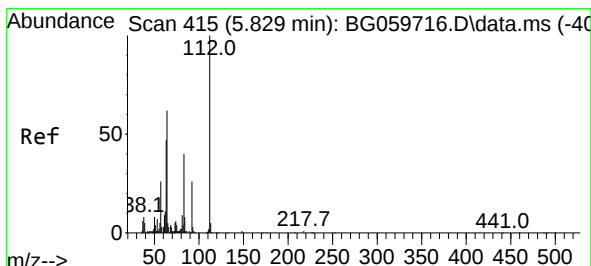
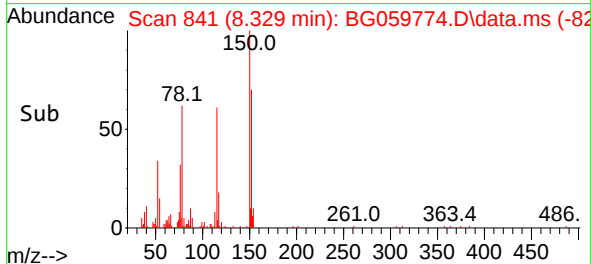
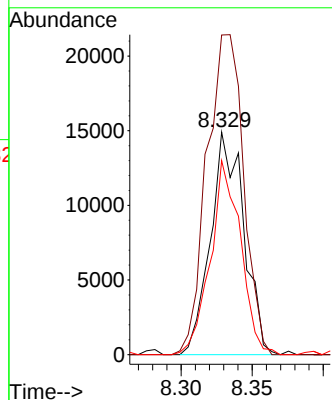
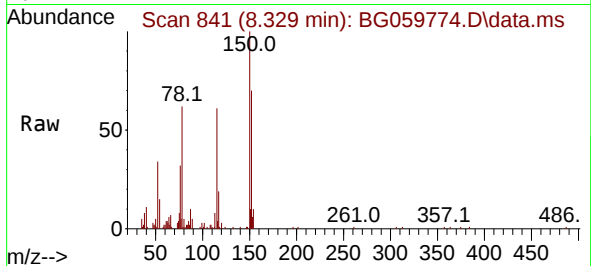




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 843
Delta R.T. -0.014 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

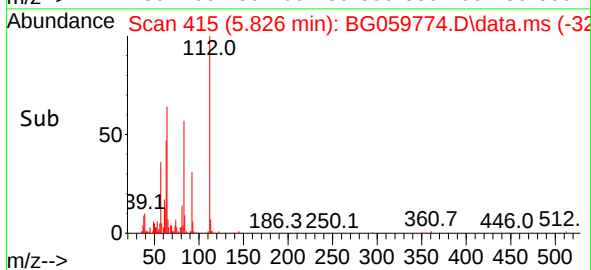
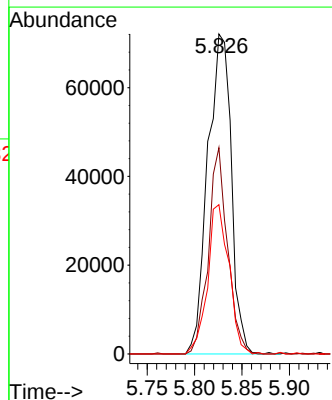
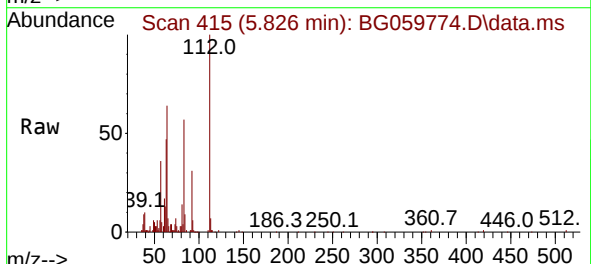
Instrument :
BNA_G
ClientSampleId :
TP-1

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

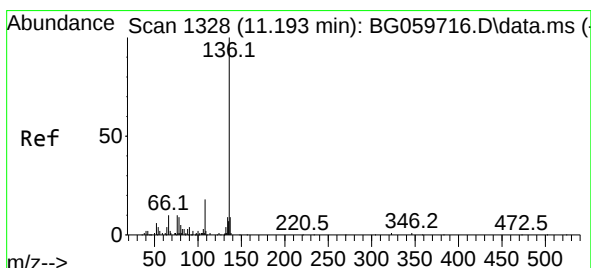
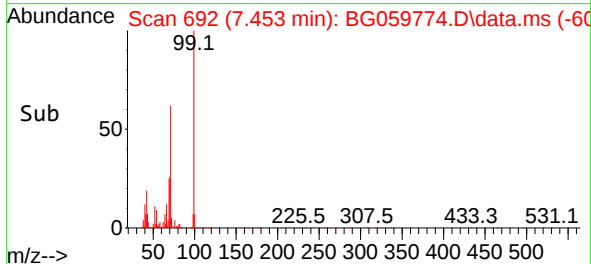
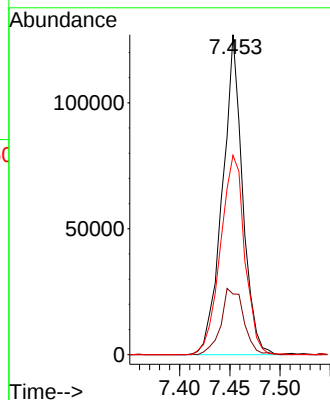
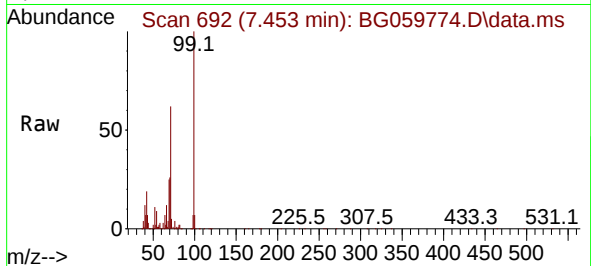




#7
Phenol-d6
Concen: 83.021 ng
RT: 7.453 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

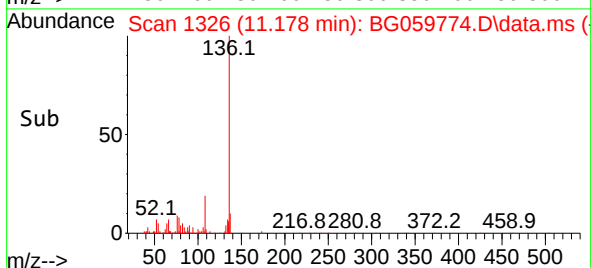
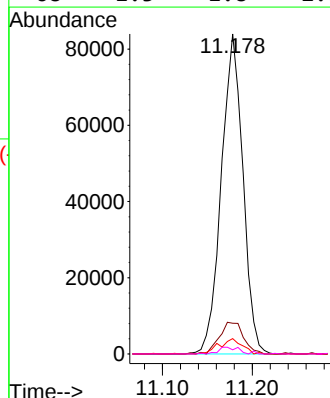
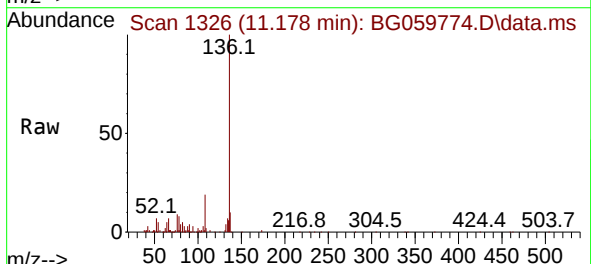
Instrument :
BNA_G
ClientSampleId :
TP-1

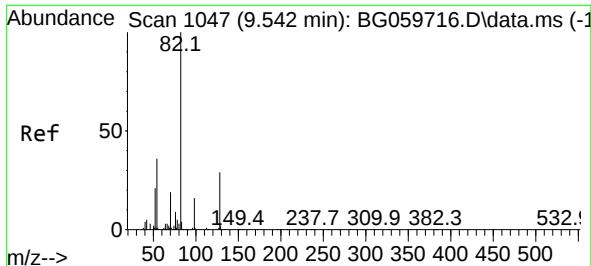
Tgt Ion: 99 Resp: 177401
Ion Ratio Lower Upper
99 100
42 19.0 14.3 21.5
71 62.3 59.3 88.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 1326
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

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#

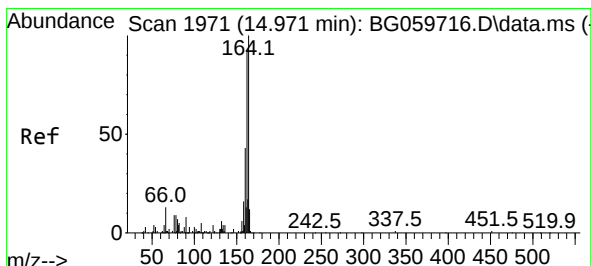
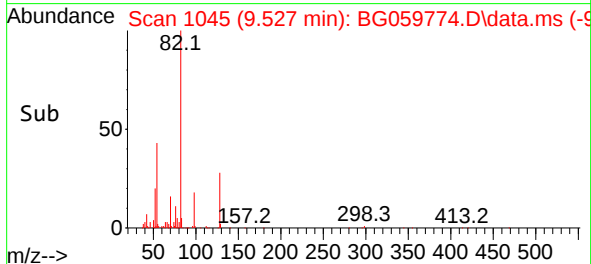
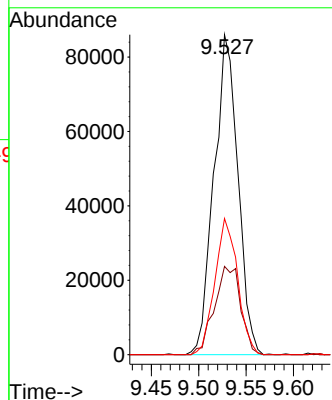
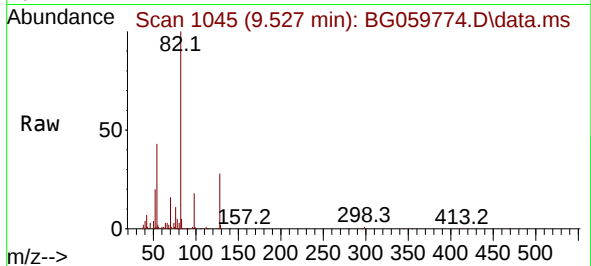




#23
Nitrobenzene-d5
Concen: 41.151 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

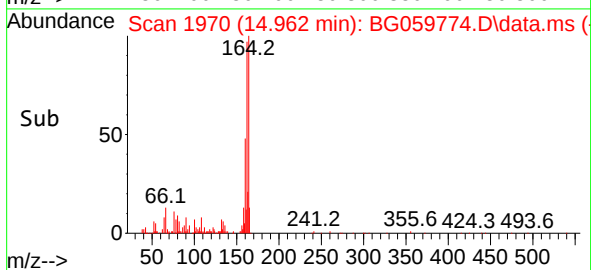
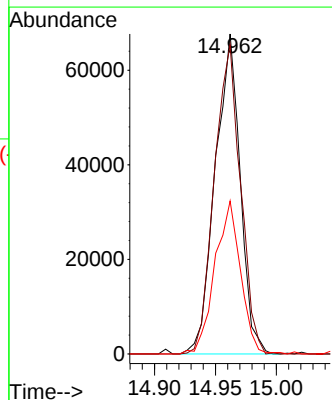
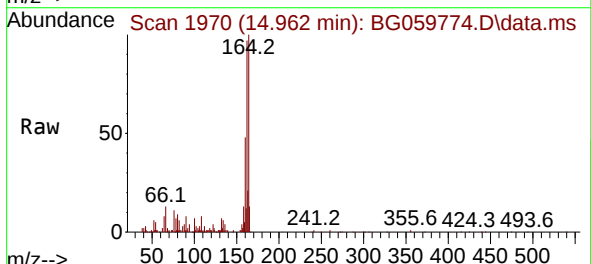
Instrument :
BNA_G
ClientSampleId :
TP-1

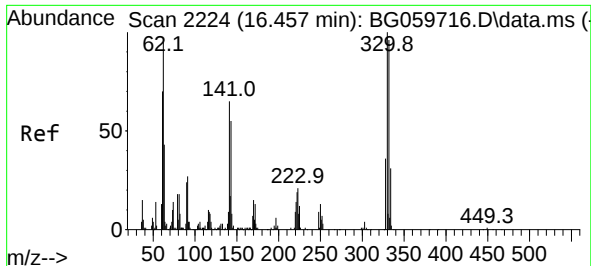
Tgt Ion: 82 Resp: 150916
Ion Ratio Lower Upper
82 100
128 27.6 23.0 34.6
54 42.5 28.7 43.1



#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

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

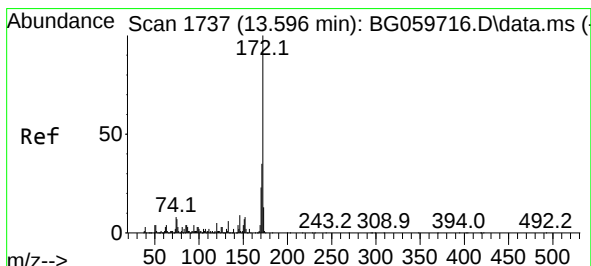
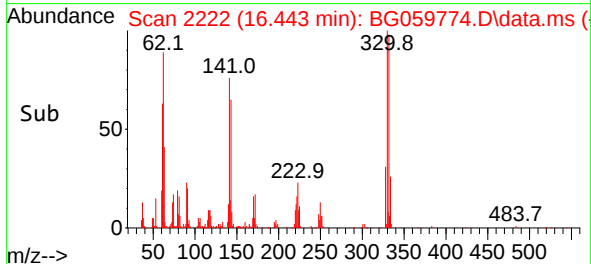
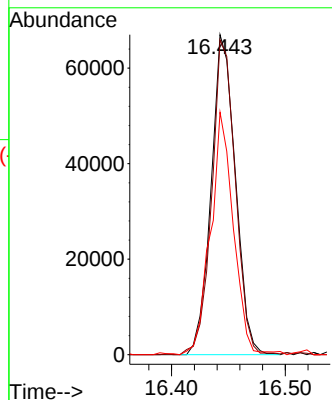
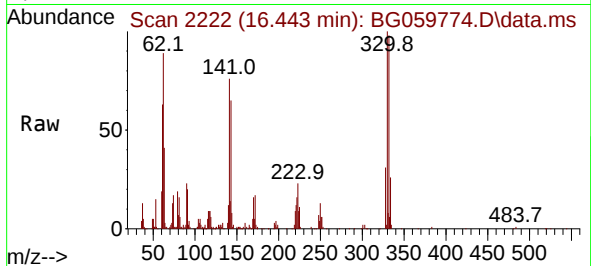




#42
2,4,6-Tribromophenol
Concen: 90.404 ng
RT: 16.443 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

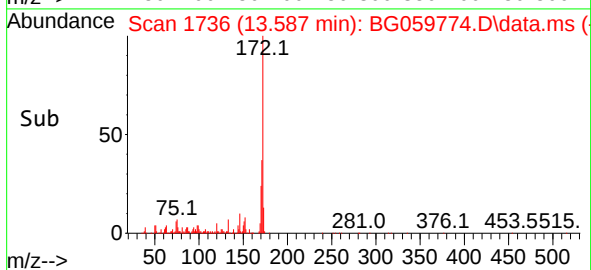
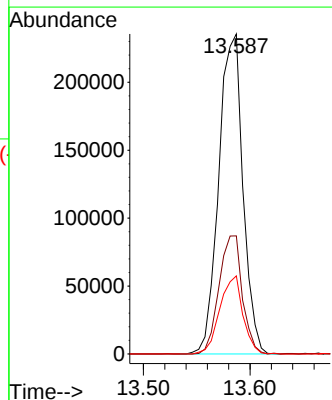
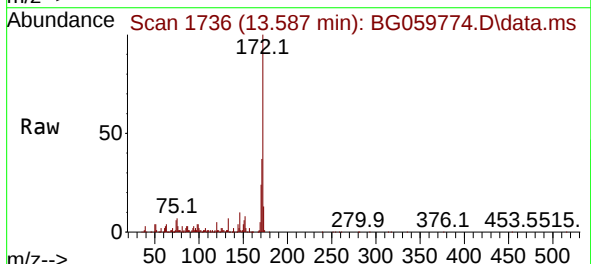
Instrument :
BNA_G
ClientSampleId :
TP-1

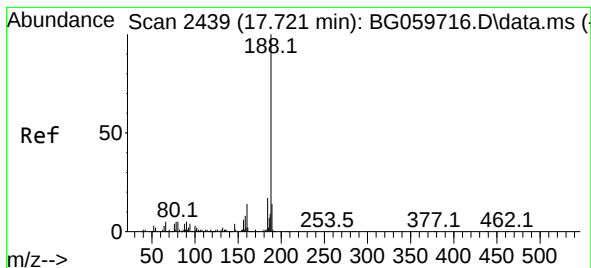
Tgt Ion:330 Resp: 98953
Ion Ratio Lower Upper
330 100
332 95.7 73.3 109.9
141 71.8 52.1 78.1



#45
2-Fluorobiphenyl
Concen: 51.715 ng
RT: 13.587 min Scan# 1736
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.712 min Scan# 2439

Delta R.T. -0.009 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

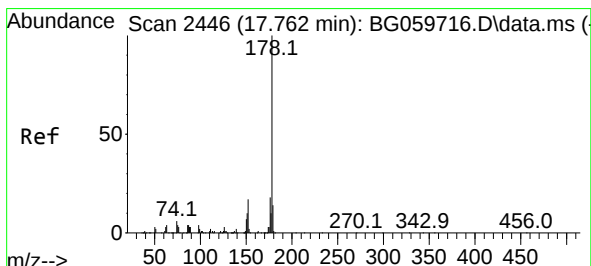
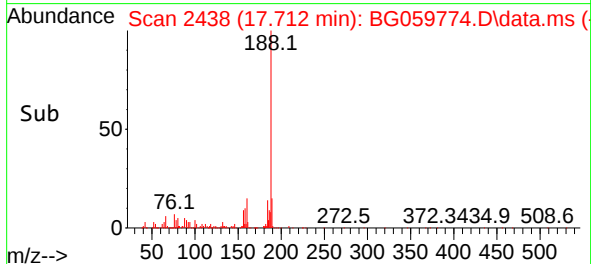
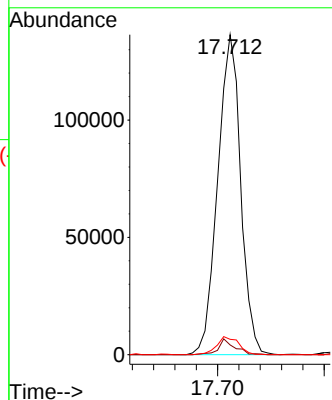
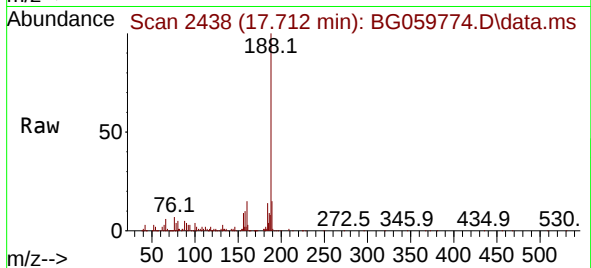
Tgt Ion:188 Resp: 203425

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

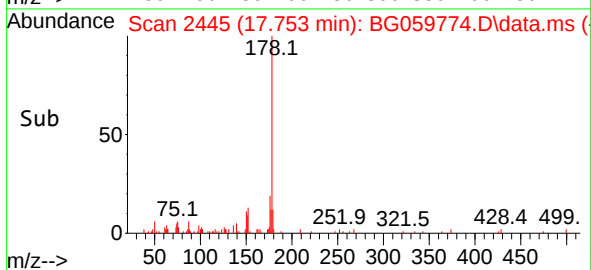
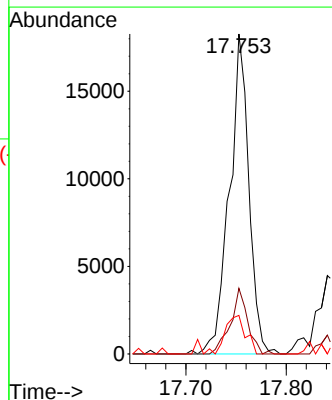
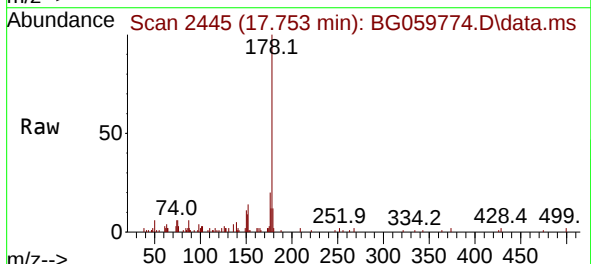
Tgt Ion:178 Resp: 24701

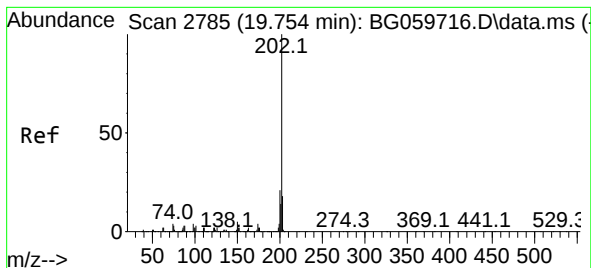
Ion Ratio Lower Upper

178 100

176 20.5 14.5 21.7

179 12.1 11.2 16.8





#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

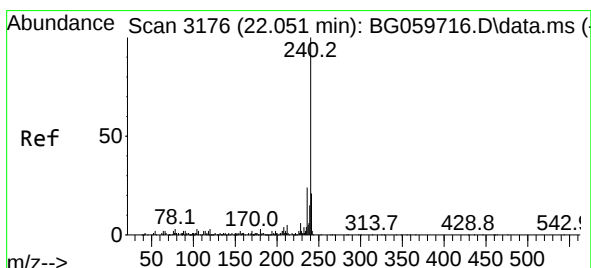
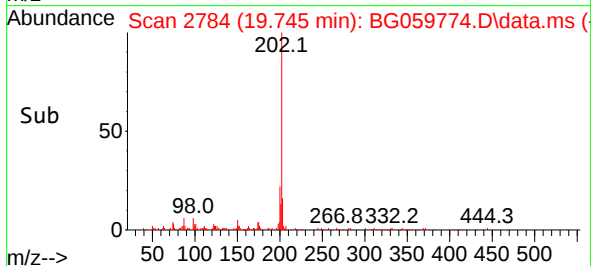
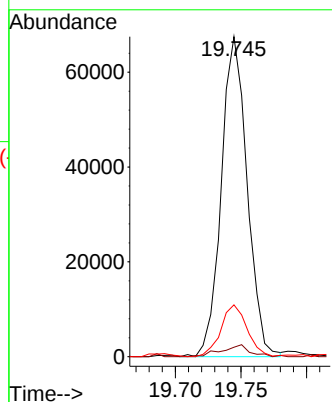
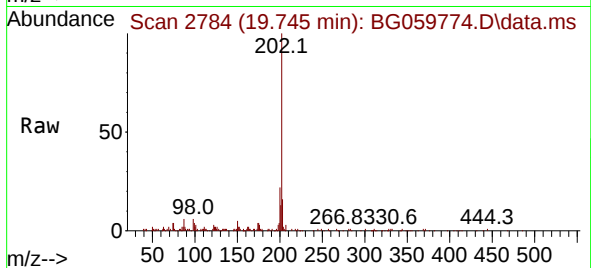
Tgt Ion:202 Resp: 92640

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

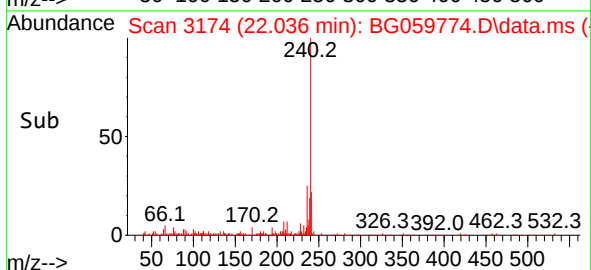
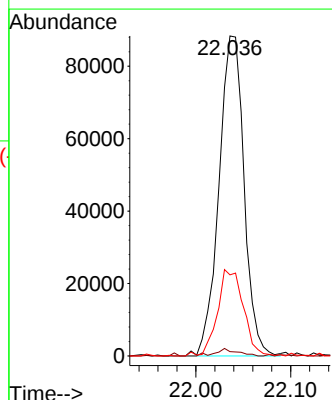
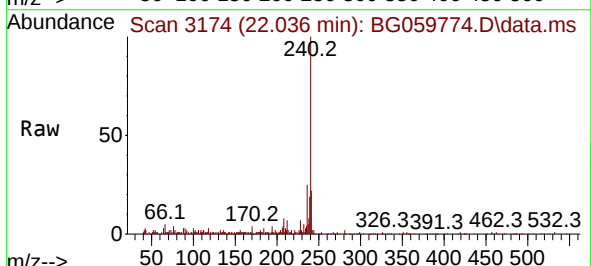
Tgt Ion:240 Resp: 162940

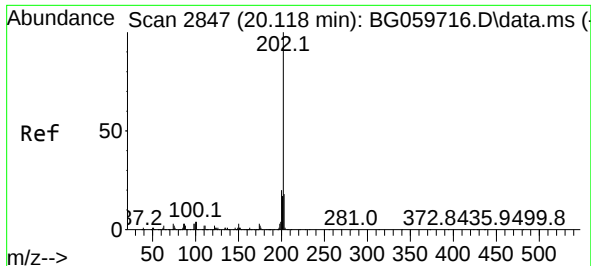
Ion Ratio Lower Upper

240 100

120 1.4 2.2 3.2#

236 25.4 19.4 29.2

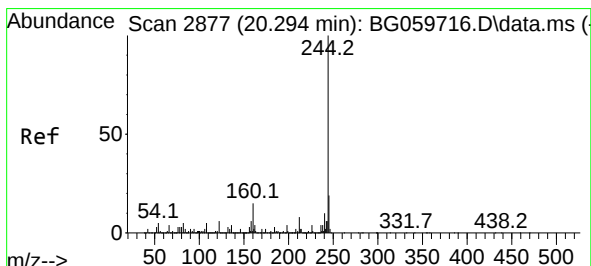
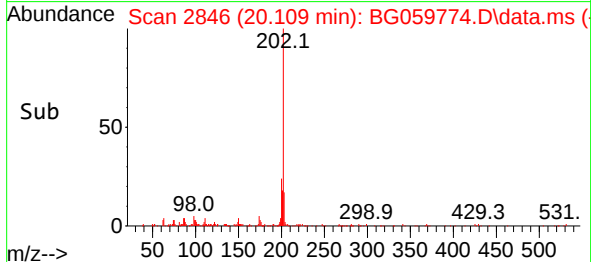
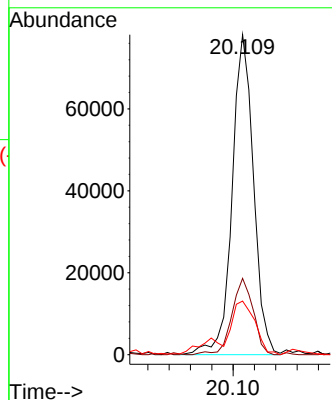
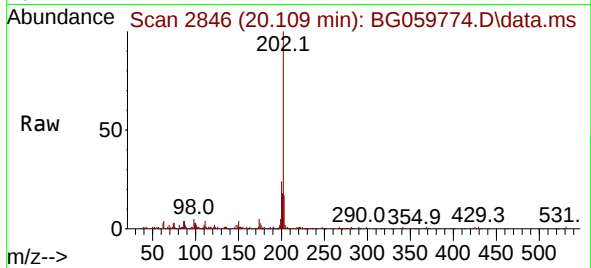




#78
Pyrene
Concen: 9.841 ng
RT: 20.109 min Scan# 2846
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

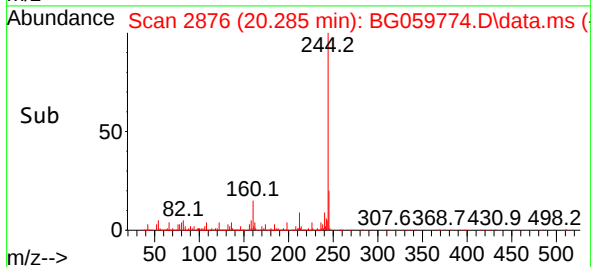
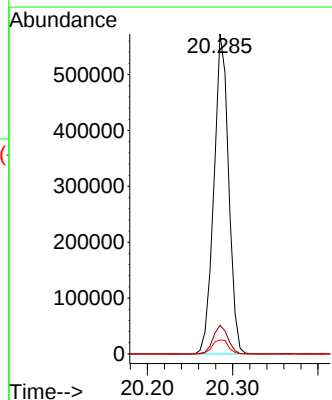
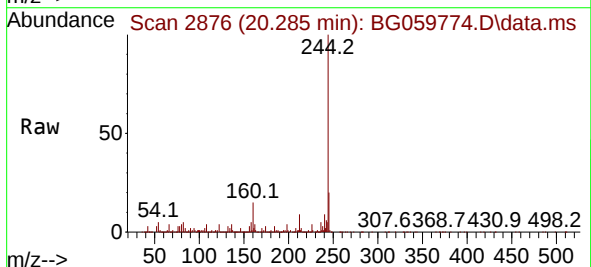
Instrument :
BNA_G
ClientSampleId :
TP-1

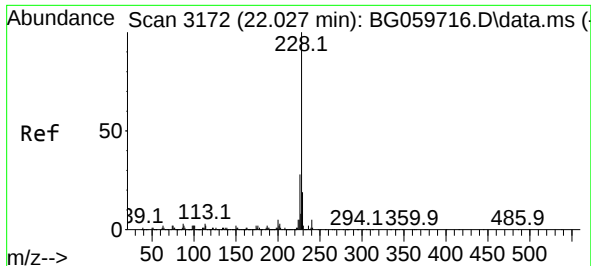
Tgt Ion:202 Resp: 109106
Ion Ratio Lower Upper
202 100
200 23.9 16.2 24.4
203 16.8 14.0 21.0



#79
Terphenyl-d14
Concen: 62.190 ng
RT: 20.285 min Scan# 2876
Delta R.T. -0.009 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

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#

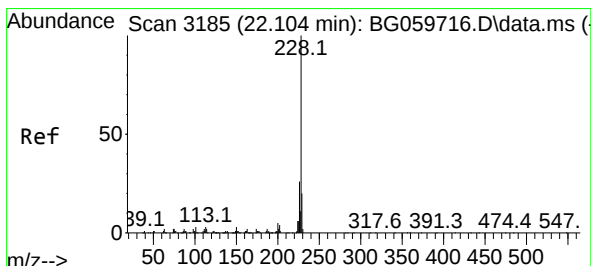
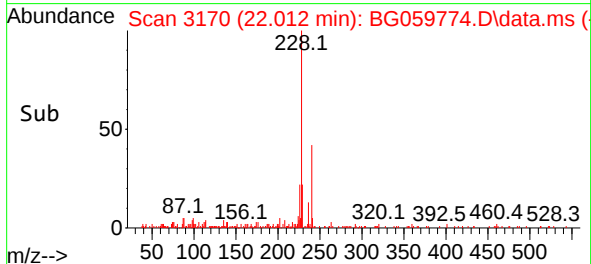
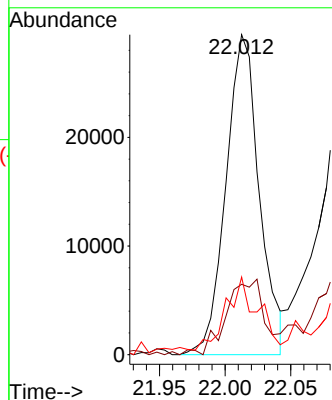
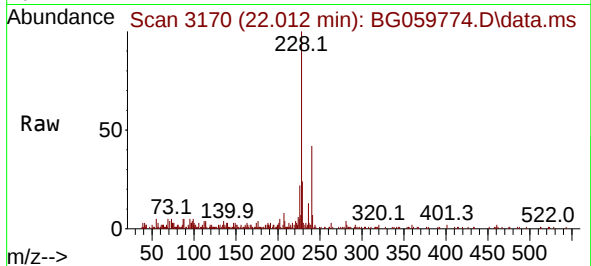




#81
Benzo(a)anthracene
Concen: 4.675 ng
RT: 22.012 min Scan# 3172
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

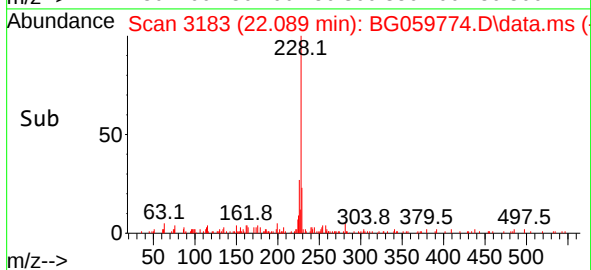
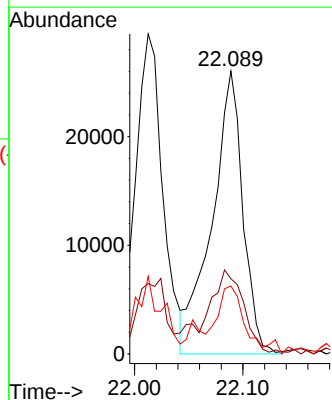
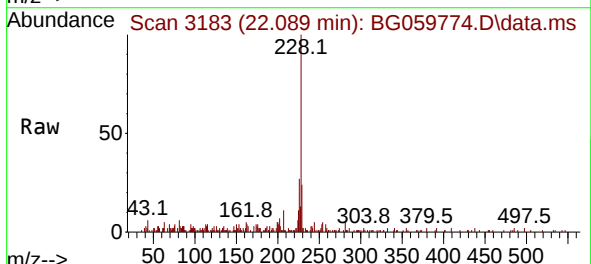
Instrument :
BNA_G
ClientSampleId :
TP-1

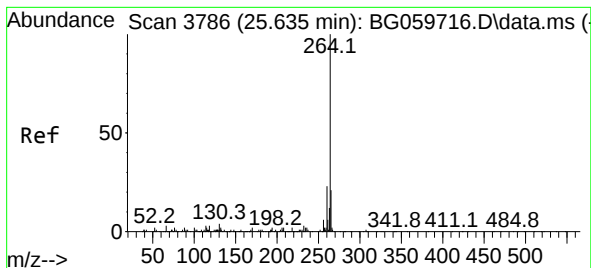
Tgt Ion:228 Resp: 52126
Ion Ratio Lower Upper
228 100
226 22.0 22.1 33.1#
229 24.3 14.9 22.3#



#83
Chrysene
Concen: 5.048 ng m
RT: 22.089 min Scan# 3183
Delta R.T. -0.015 min
Lab File: BG059774.D
Acq: 20 Nov 2023 18:27

Tgt Ion:228 Resp: 51586
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# 31

Delta R.T. -0.021 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

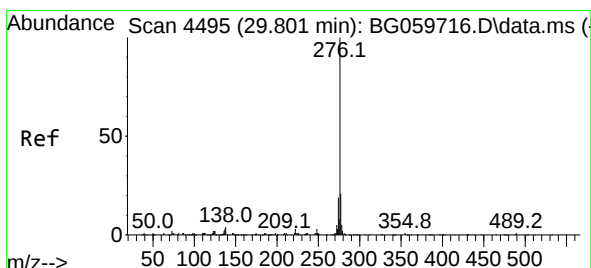
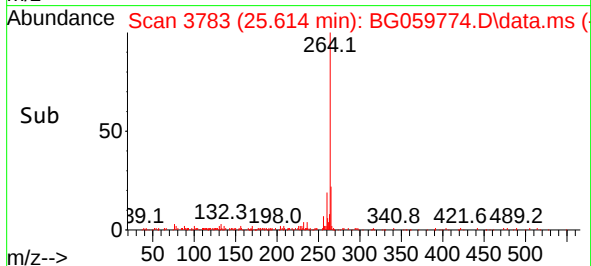
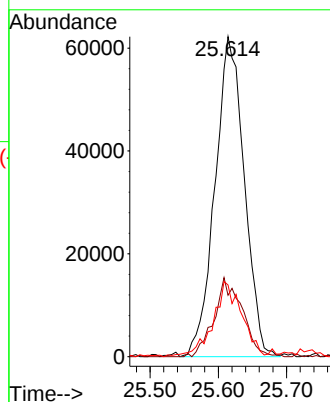
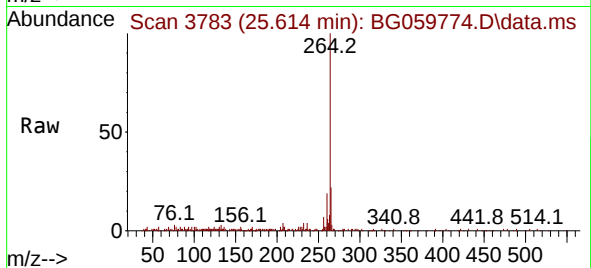
Tgt Ion:264 Resp: 186221

Ion Ratio Lower Upper

264 100

260 19.2 18.5 27.7

265 22.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.353 ng m

RT: 29.756 min Scan# 4488

Delta R.T. -0.044 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

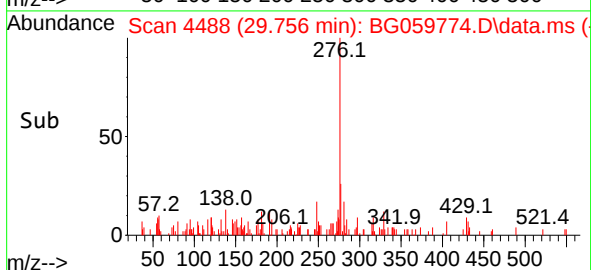
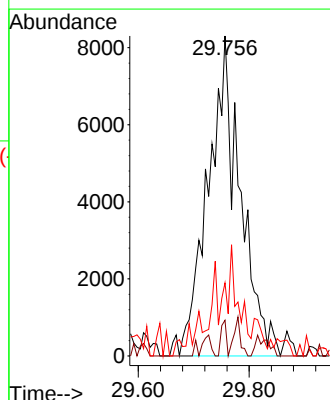
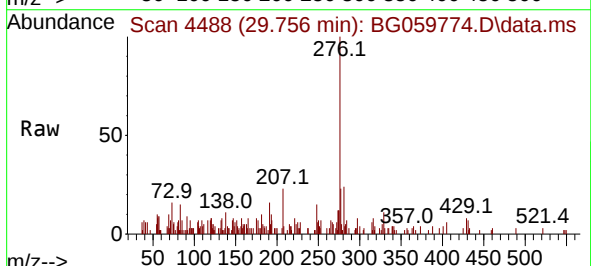
Tgt Ion:276 Resp: 33158

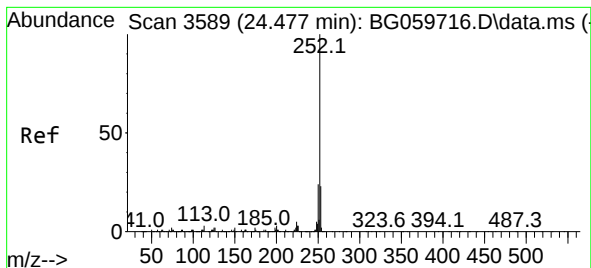
Ion Ratio Lower Upper

276 100

138 1.8 1.8 2.6

277 0.0 9.8 14.6#





#88

Benzo(b)fluoranthene

Concen: 6.331 ng

RT: 24.457 min Scan# 3

Delta R.T. -0.021 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1

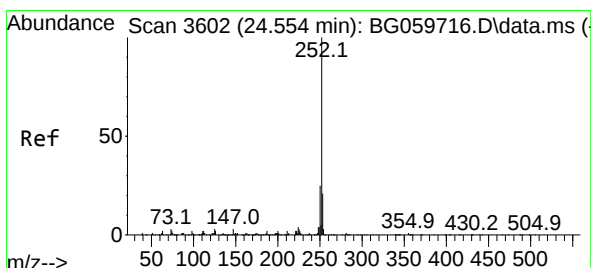
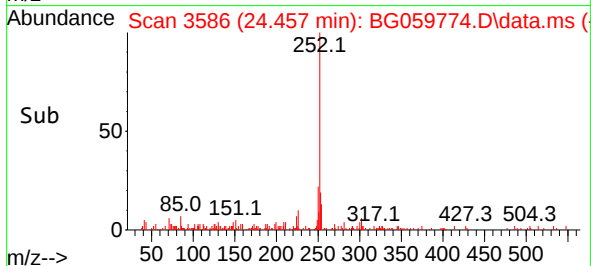
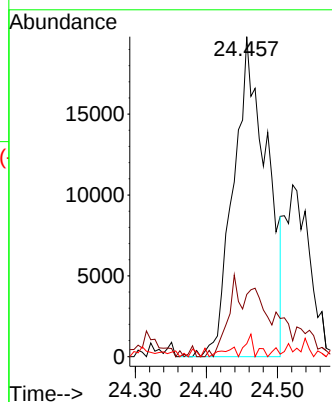
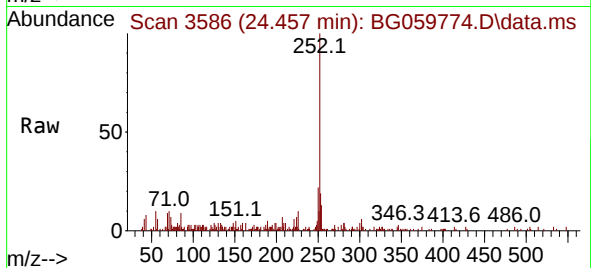
Tgt Ion:252 Resp: 64616

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: 2.514 ng m

RT: 24.521 min Scan# 3597

Delta R.T. -0.032 min

Lab File: BG059774.D

Acq: 20 Nov 2023 18:27

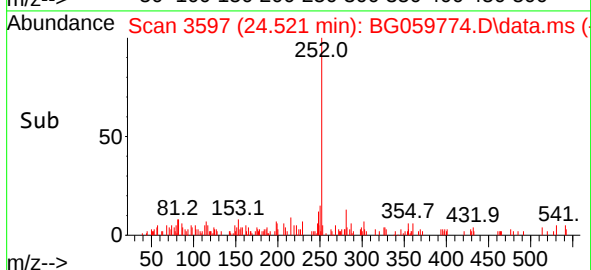
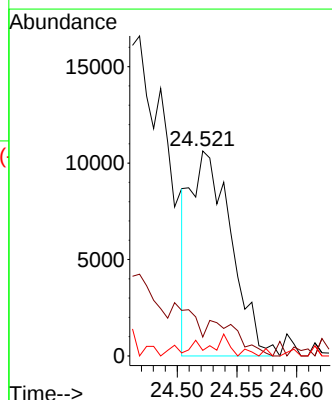
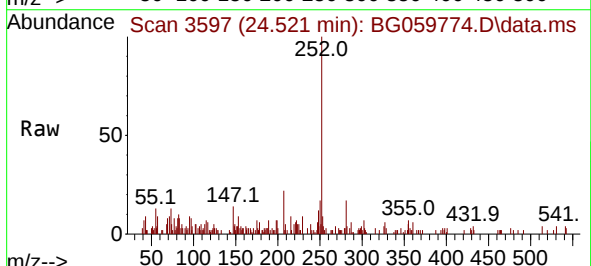
Tgt Ion:252 Resp: 25372

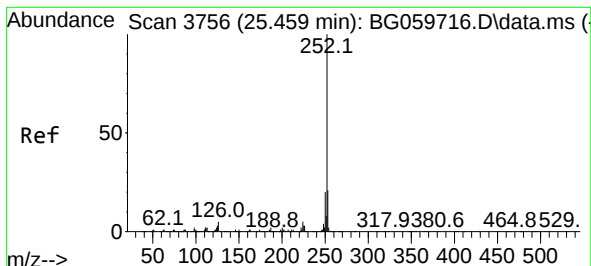
Ion Ratio Lower Upper

252 100

253 9.2 17.1 25.7#

125 2.8 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

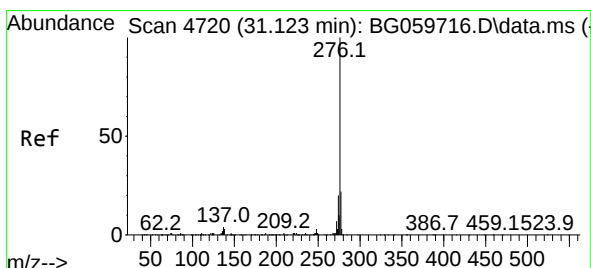
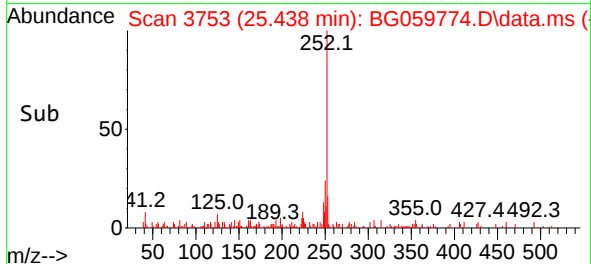
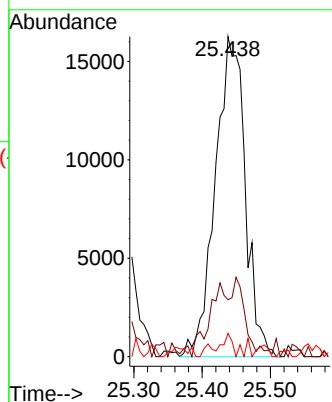
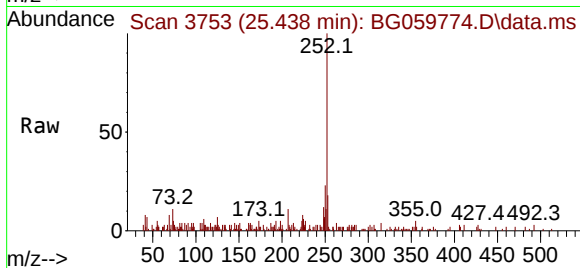
Tgt Ion:252 Resp: 49546

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: 3.339 ng m

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: 37766

Ion Ratio Lower Upper

276 100

277 25.3 17.3 25.9

138 3.8 2.6 4.0

