

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059771.D
 Acq On : 20 Nov 2023 16:26
 Operator : MA/JU
 Sample : 05311-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Nov 20 17:02:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

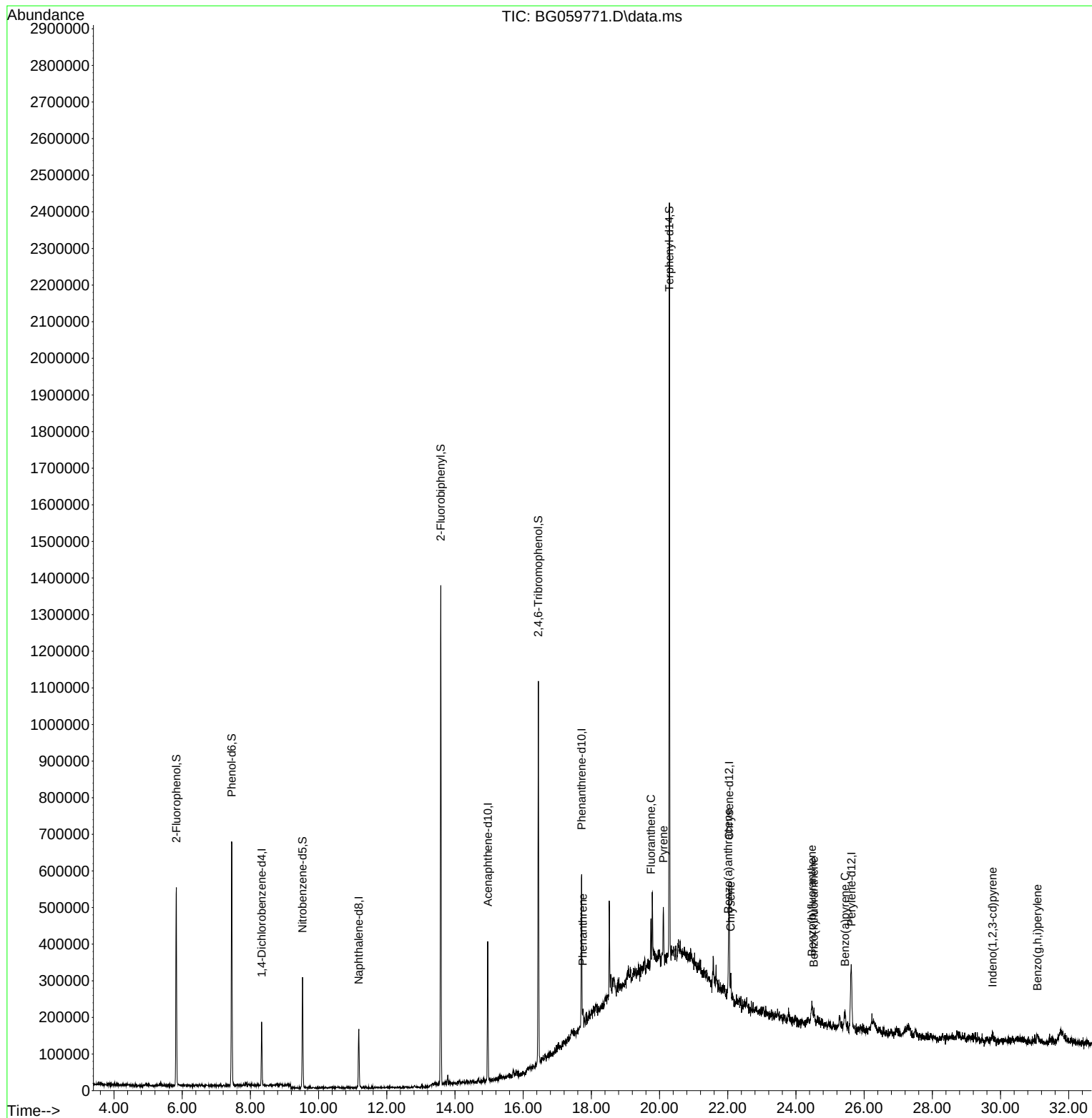
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	34745	20.000	ng	-0.01
21) Naphthalene-d8	11.181	136	110917	20.000	ng	#-0.01
39) Acenaphthene-d10	14.964	164	122090	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	218357	20.000	ng	# 0.00
76) Chrysene-d12	22.038	240	167861	20.000	ng	-0.01
86) Perylene-d12	25.628	264	199177	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	186313	90.255	ng	0.00
7) Phenol-d6	7.450	99	292748	95.698	ng	0.00
23) Nitrobenzene-d5	9.530	82	184206	63.428	ng	-0.01
42) 2,4,6-Tribromophenol	16.445	330	136828	98.774	ng	-0.01
45) 2-Fluorobiphenyl	13.584	172	555698	61.266	ng	-0.01
79) Terphenyl-d14	20.288	244	762530	67.060	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.749	178	29790	2.683	ng	# 91
75) Fluoranthene	19.747	202	80554	6.050	ng	98
78) Pyrene	20.111	202	74265m	6.502	ng	
81) Benzo(a)anthracene	22.015	228	45280	3.942	ng	91
83) Chrysene	22.085	228	41332	3.926	ng	96
87) Indeno(1,2,3-cd)pyrene	29.765	276	43561m	2.890	ng	
88) Benzo(b)fluoranthene	24.465	252	63501	5.817	ng	# 98
89) Benzo(k)fluoranthene	24.524	252	28268	2.619	ng	# 89
90) Benzo(a)pyrene	25.440	252	47994	4.119	ng	# 88
92) Benzo(g,h,i)perylene	31.081	276	42852	3.542	ng	# 94

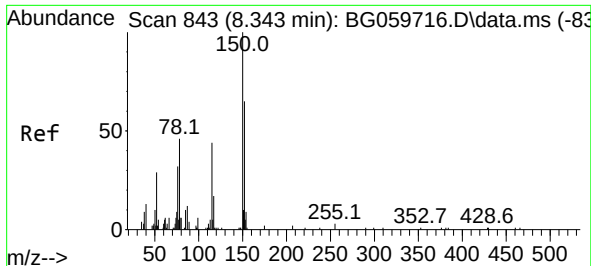
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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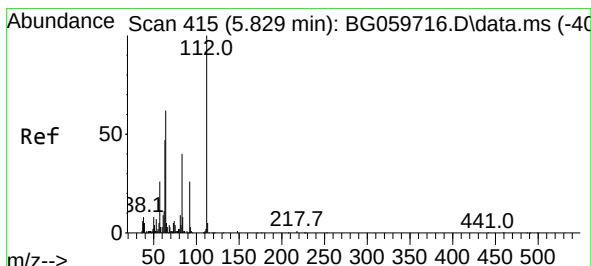
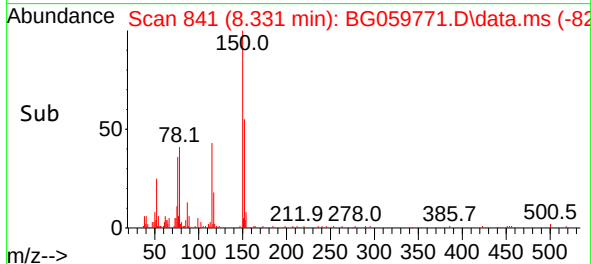
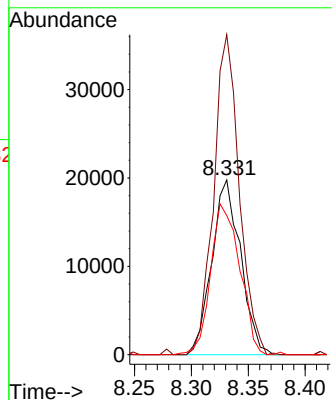
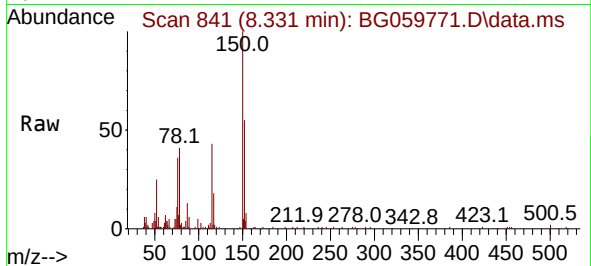




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 843
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

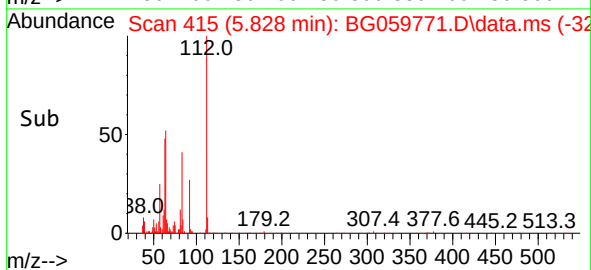
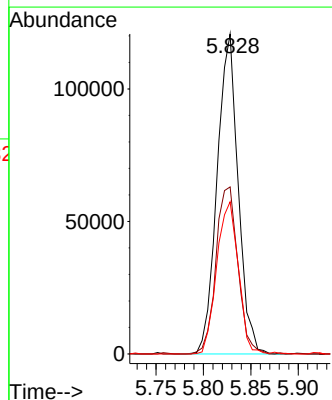
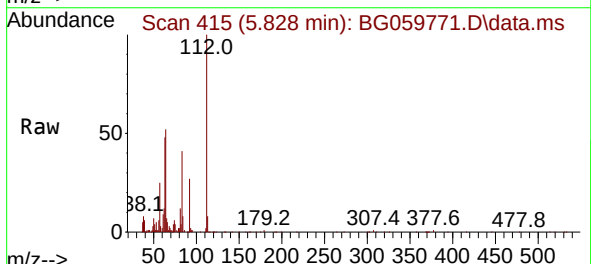
Instrument :
BNA_G
ClientSampleId :
TP-4

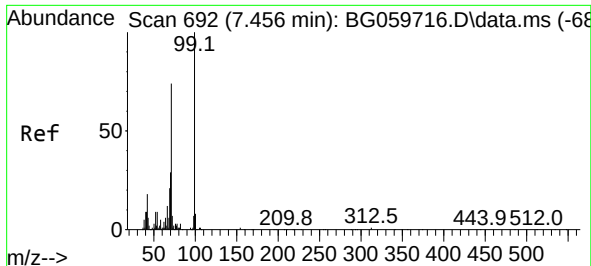
Tgt Ion:152 Resp: 34745
Ion Ratio Lower Upper
152 100
150 183.1 122.2 183.4
115 79.5 54.2 81.4



#5
2-Fluorophenol
Concen: 90.255 ng
RT: 5.828 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:112 Resp: 186313
Ion Ratio Lower Upper
112 100
64 52.2 49.5 74.3
63 47.5 37.4 56.2

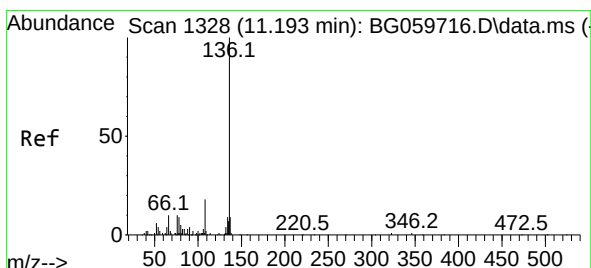
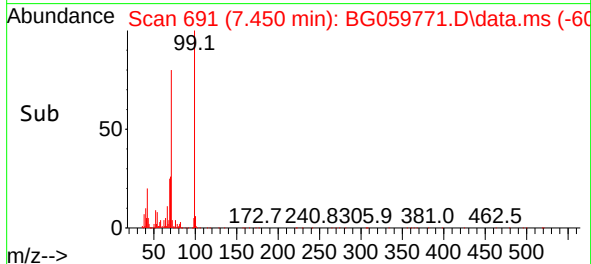
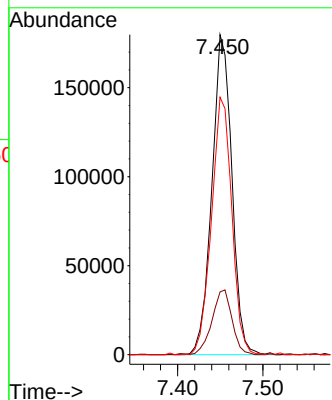
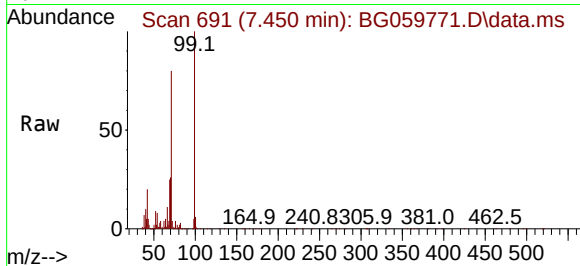




#7
Phenol-d6
Concen: 95.698 ng
RT: 7.450 min Scan# 691
Delta R.T. -0.007 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

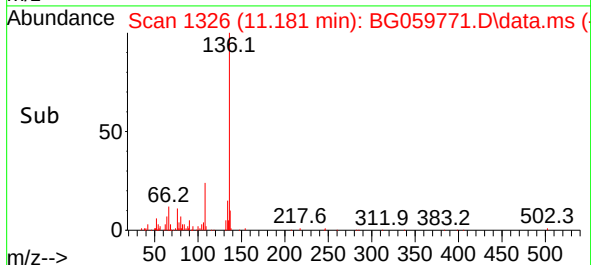
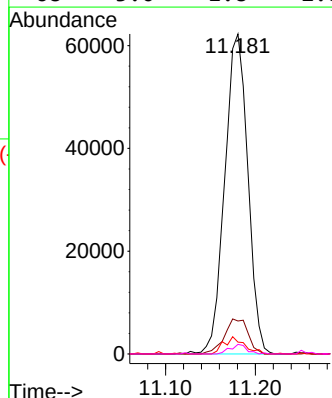
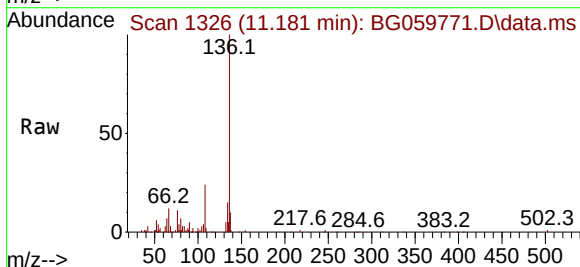
Instrument :
BNA_G
ClientSampleId :
TP-4

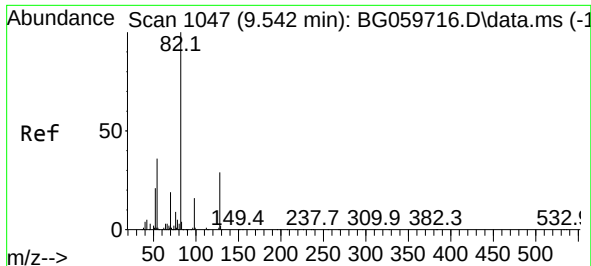
Tgt Ion: 99 Resp: 292748
Ion Ratio Lower Upper
99 100
42 19.6 14.3 21.5
71 80.5 59.3 88.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.181 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:136 Resp: 110917
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.0
54 3.7 3.1 4.7
68 3.0 1.8 2.8





#23

Nitrobenzene-d5

Concen: 63.428 ng

RT: 9.530 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

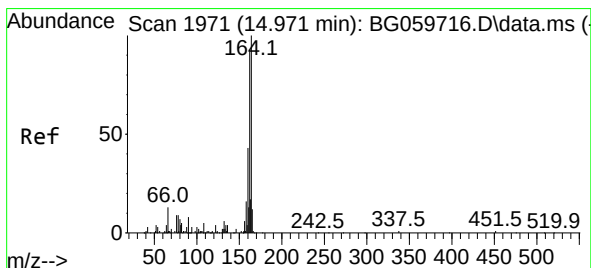
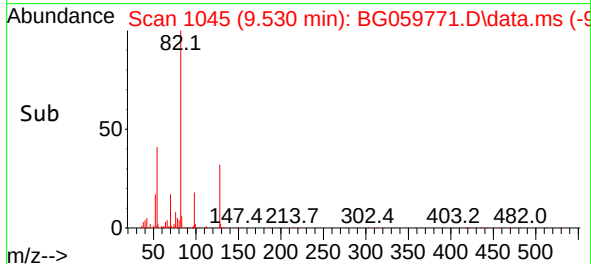
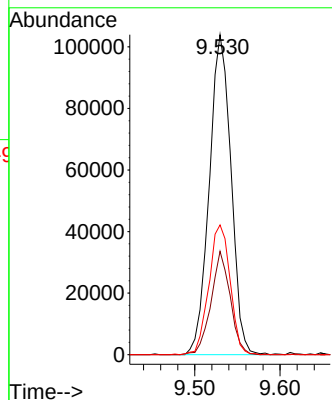
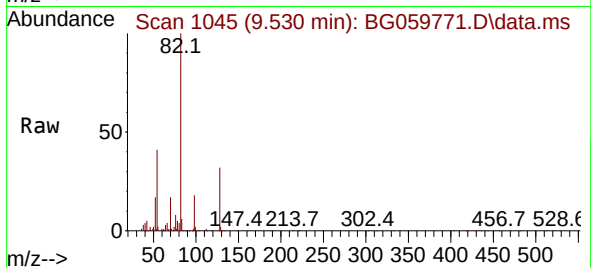
Tgt Ion: 82 Resp: 184206

Ion Ratio Lower Upper

82 100

128 32.3 23.0 34.6

54 40.6 28.7 43.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.964 min Scan# 1970

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

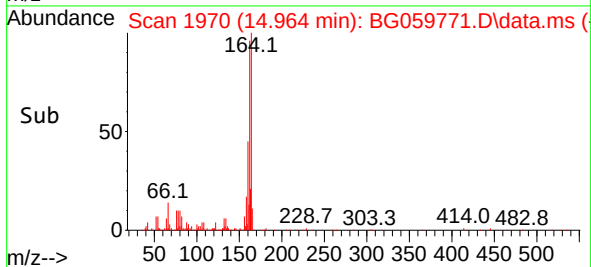
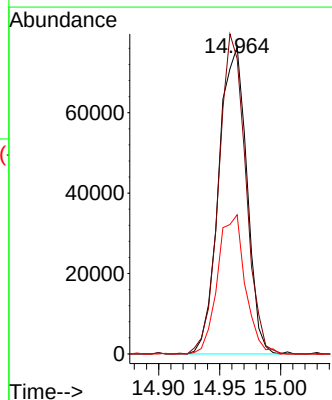
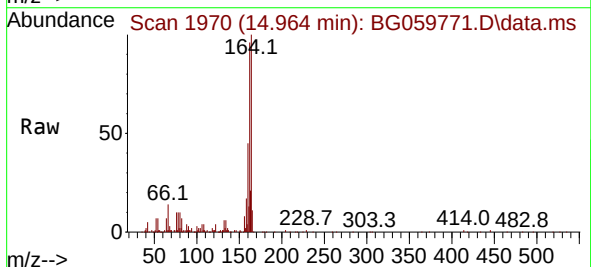
Tgt Ion:164 Resp: 122090

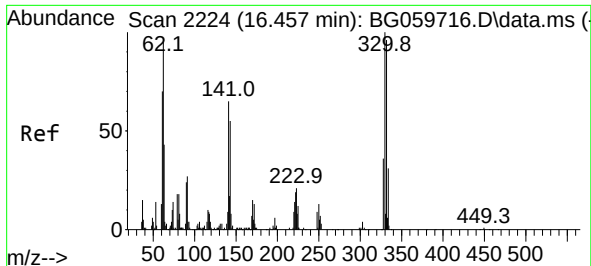
Ion Ratio Lower Upper

164 100

162 96.2 73.3 109.9

160 45.3 34.1 51.1

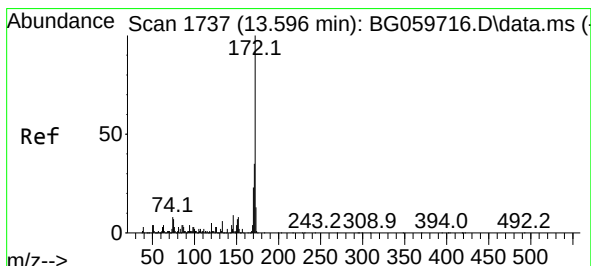
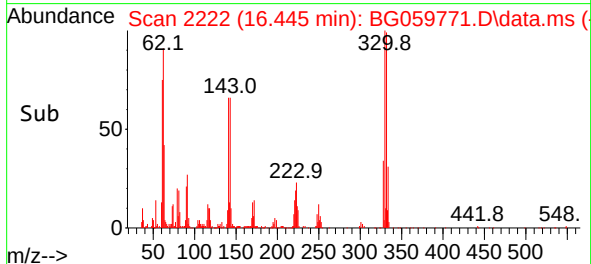
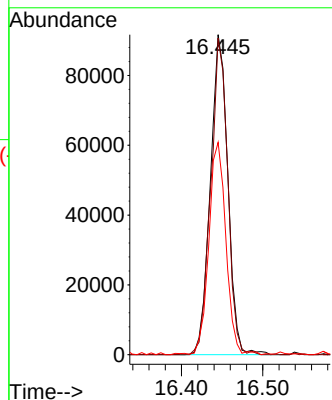
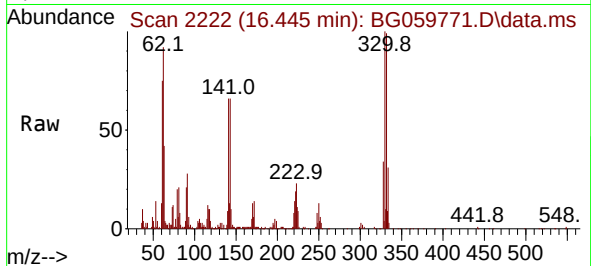




#42
2,4,6-Tribromophenol
Concen: 98.774 ng
RT: 16.445 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

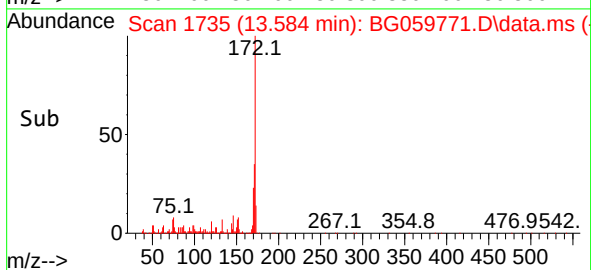
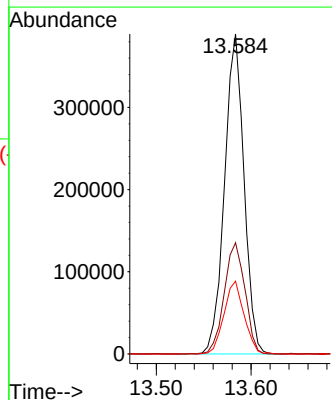
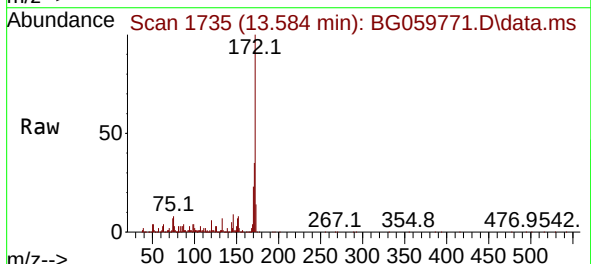
Instrument :
BNA_G
ClientSampleId :
TP-4

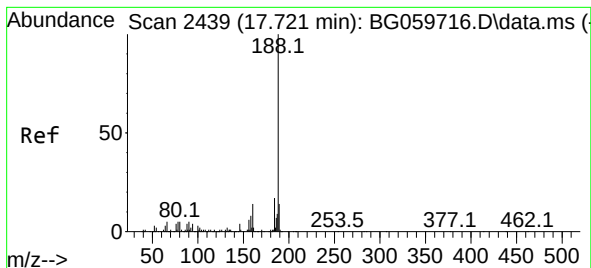
Tgt Ion:330 Resp: 136828
Ion Ratio Lower Upper
330 100
332 95.9 73.3 109.9
141 64.2 52.1 78.1



#45
2-Fluorobiphenyl
Concen: 61.266 ng
RT: 13.584 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:172 Resp: 555698
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 22.7 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.714 min Scan# 2438

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

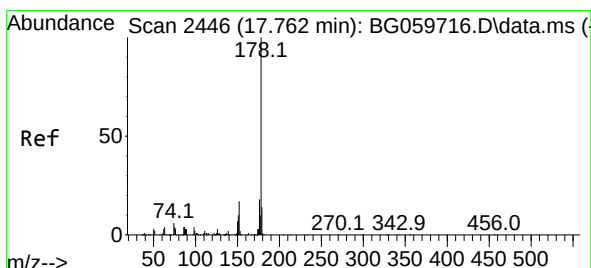
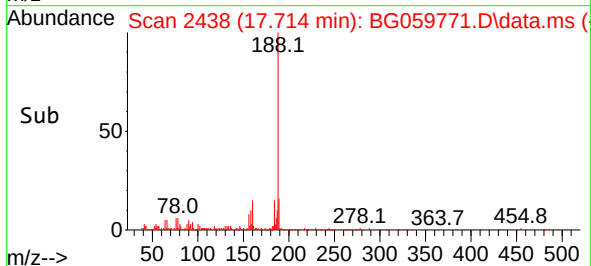
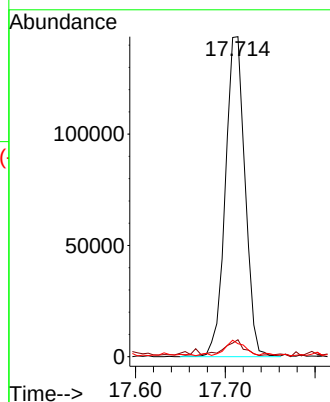
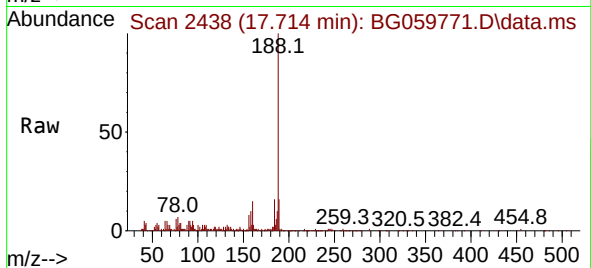
Tgt Ion:188 Resp: 218357

Ion Ratio Lower Upper

188 100

94 5.3 3.0 4.4#

80 4.0 4.2 6.4#



#71

Phenanthrene

Concen: 2.683 ng

RT: 17.749 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

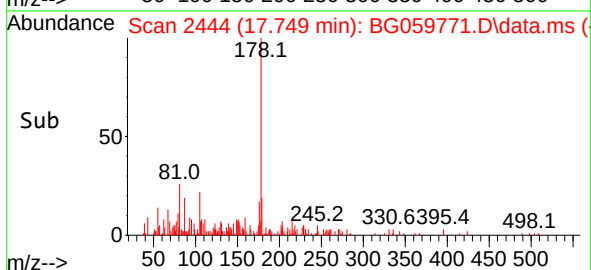
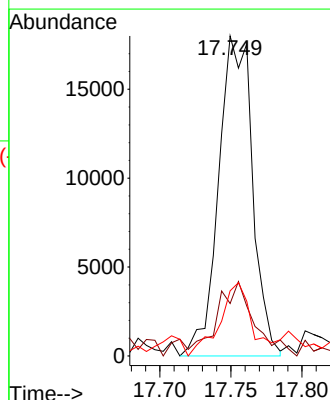
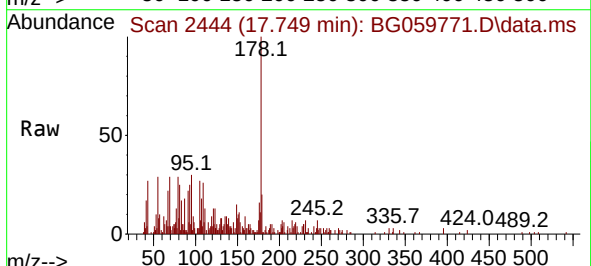
Tgt Ion:178 Resp: 29790

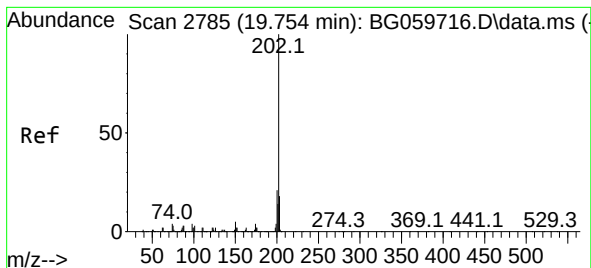
Ion Ratio Lower Upper

178 100

176 16.4 14.5 21.7

179 20.3 11.2 16.8#





#75

Fluoranthene

Concen: 6.050 ng

RT: 19.747 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

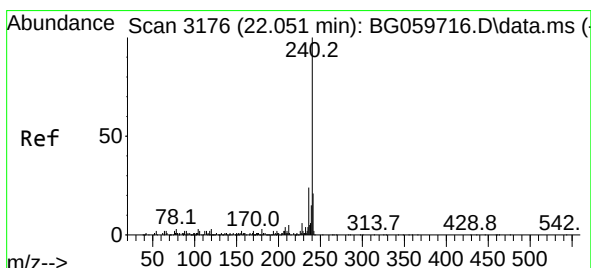
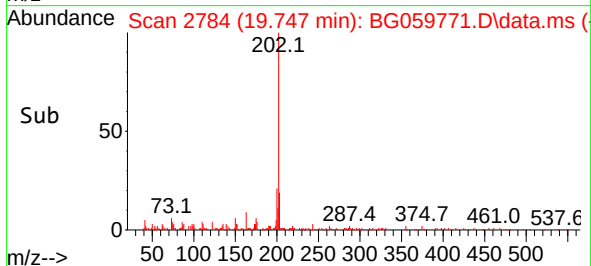
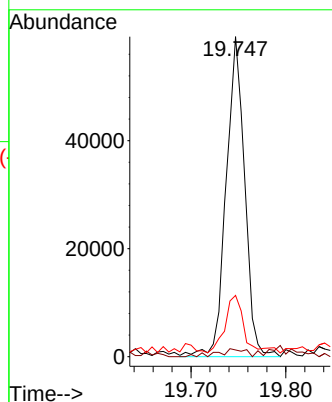
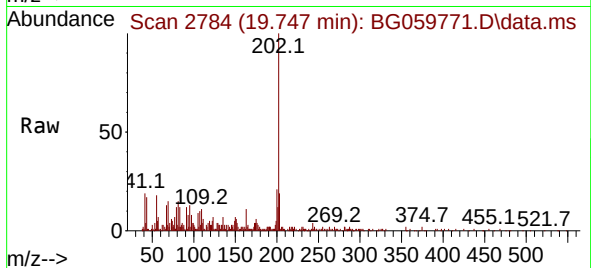
Tgt Ion:202 Resp: 80554

Ion Ratio Lower Upper

202 100

101 2.1 0.0 22.7

203 19.2 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.038 min Scan# 3174

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

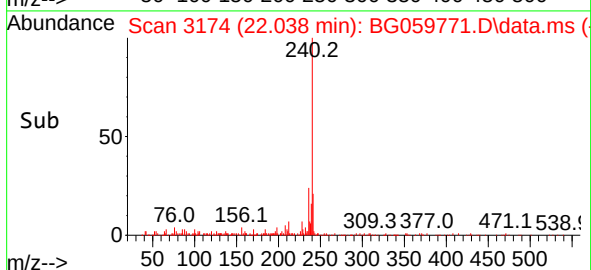
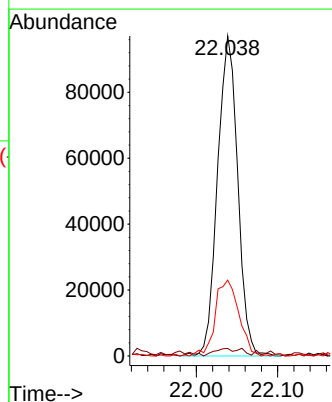
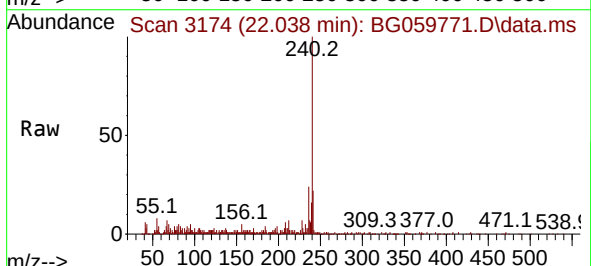
Tgt Ion:240 Resp: 167861

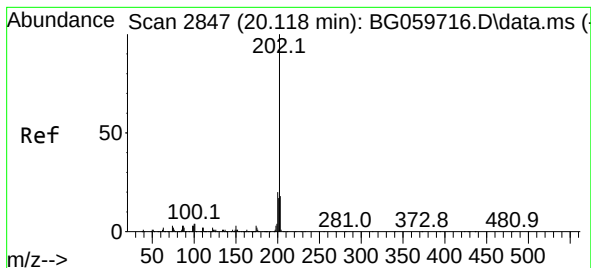
Ion Ratio Lower Upper

240 100

120 2.3 2.2 3.2

236 23.7 19.4 29.2





#78

Pyrene

Concen: 6.502 ng m

RT: 20.111 min Scan# 2

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

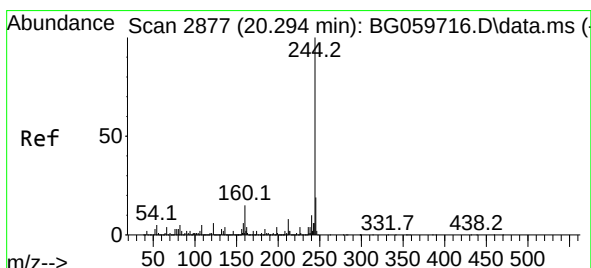
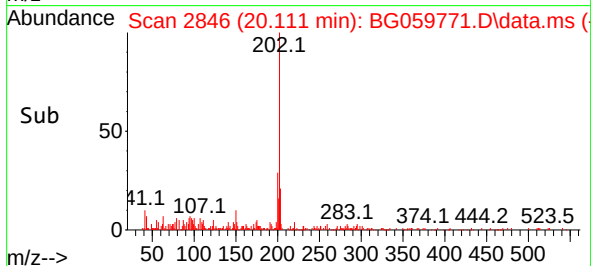
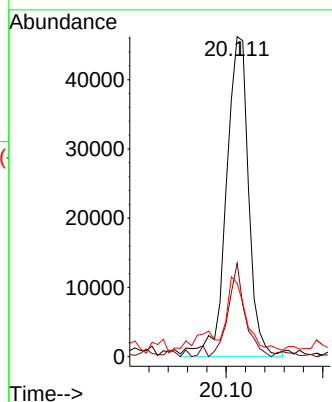
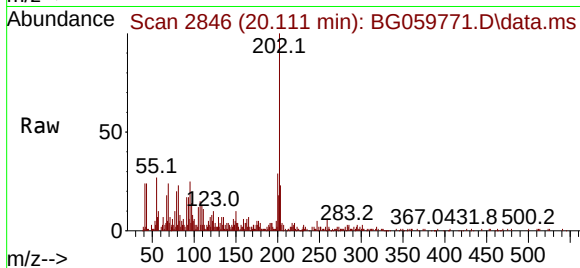
Tgt Ion:202 Resp: 74265

Ion Ratio Lower Upper

202 100

200 29.2 16.2 24.4#

203 22.9 14.0 21.0#



#79

Terphenyl-d14

Concen: 67.060 ng

RT: 20.288 min Scan# 2876

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

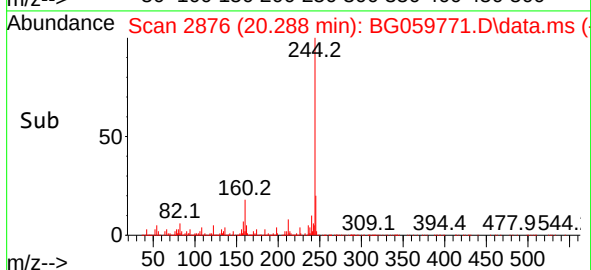
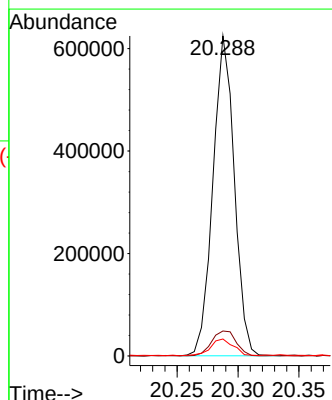
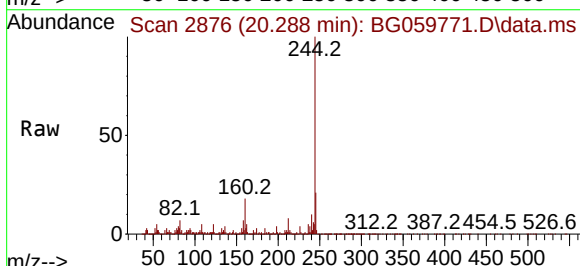
Tgt Ion:244 Resp: 762530

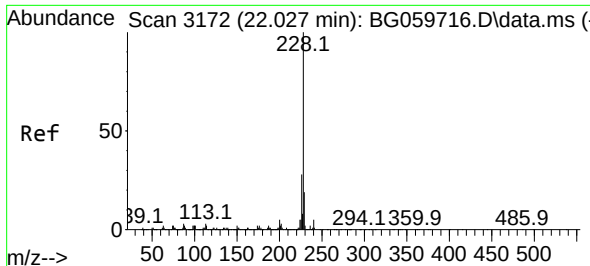
Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

122 5.3 4.4 6.6

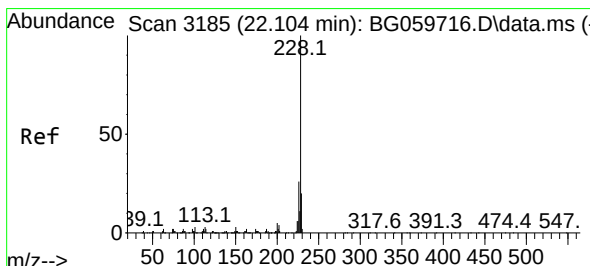
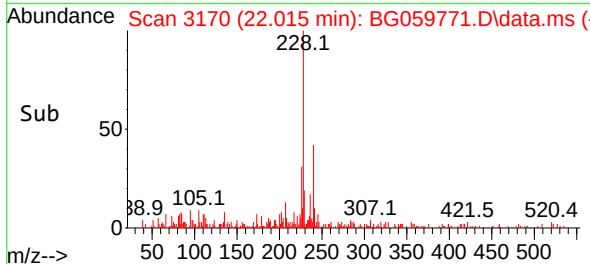
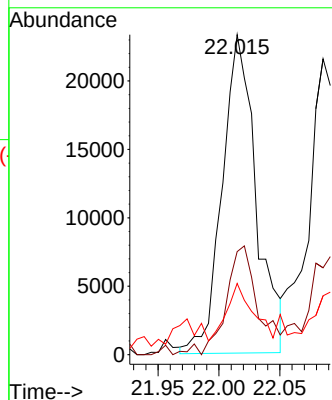
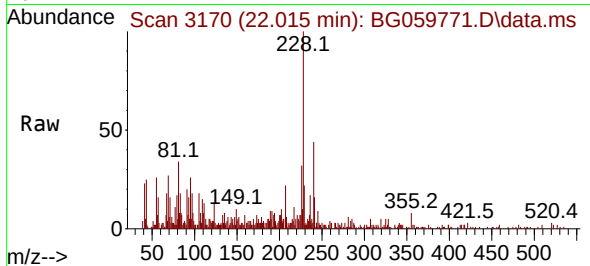




#81
Benzo(a)anthracene
Concen: 3.942 ng
RT: 22.015 min Scan# 3170
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

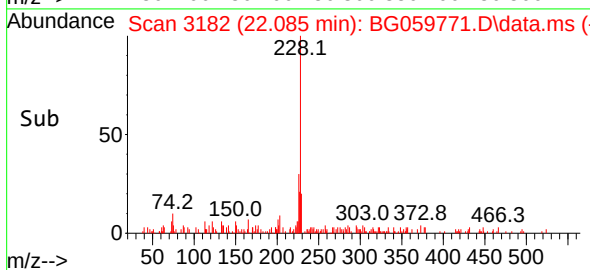
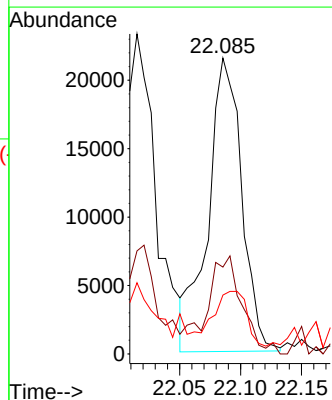
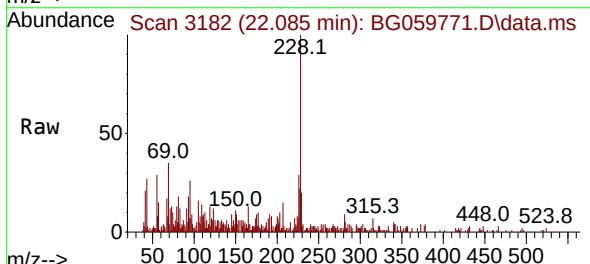
Instrument :
BNA_G
ClientSampleId :
TP-4

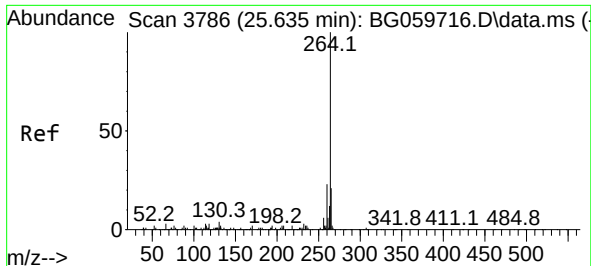
Tgt Ion:228 Resp: 45280
Ion Ratio Lower Upper
228 100
226 32.2 22.1 33.1
229 22.3 14.9 22.3



#83
Chrysene
Concen: 3.926 ng
RT: 22.085 min Scan# 3182
Delta R.T. -0.018 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:228 Resp: 41332
Ion Ratio Lower Upper
228 100
226 29.4 21.1 31.7
229 19.9 16.2 24.4

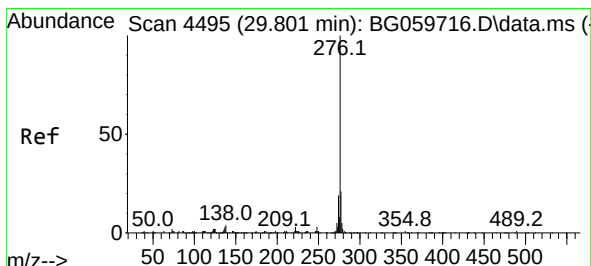
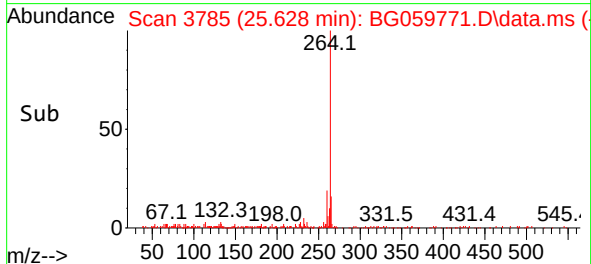
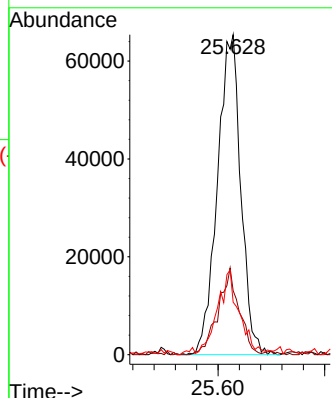
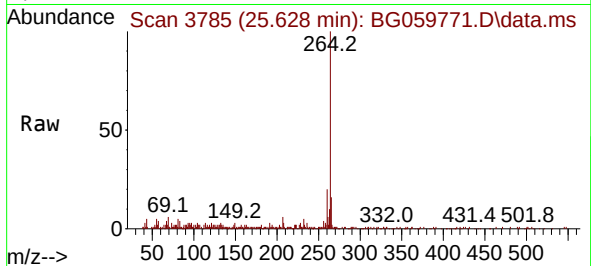




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.628 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

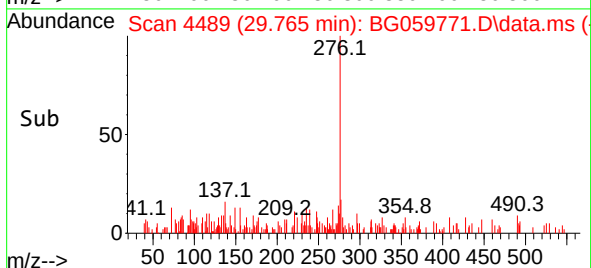
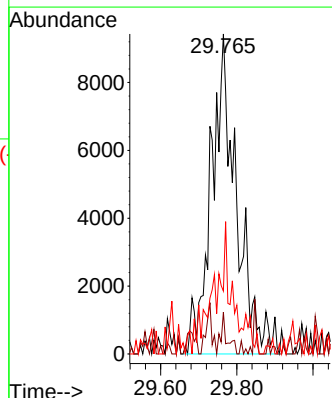
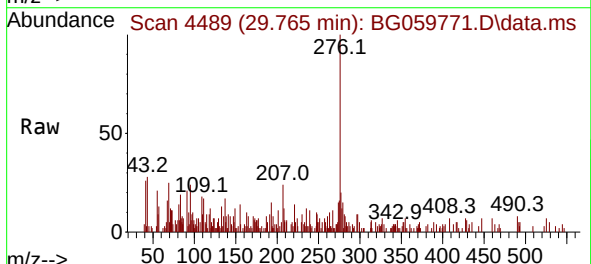
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

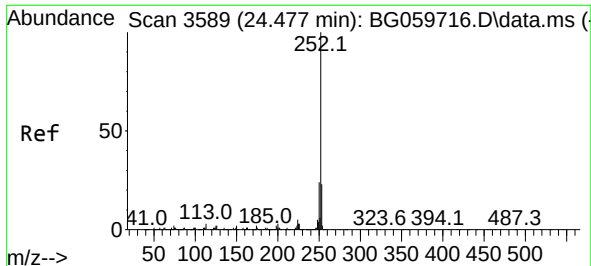
Tgt Ion:264 Resp: 199177
 Ion Ratio Lower Upper
 264 100
 260 20.0 18.5 27.7
 265 16.4 17.0 25.6#



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.890 ng m
 RT: 29.765 min Scan# 4489
 Delta R.T. -0.036 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

Tgt Ion:276 Resp: 43561
 Ion Ratio Lower Upper
 276 100
 138 2.5 1.8 2.6
 277 4.8 9.8 14.6#

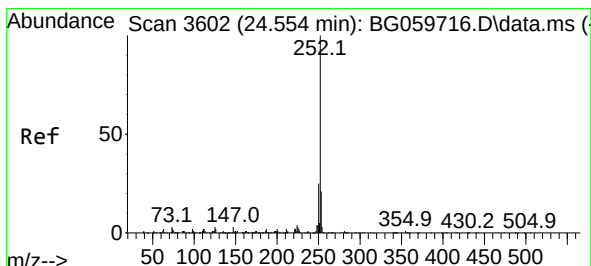
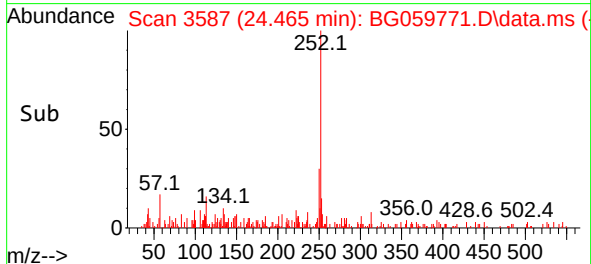
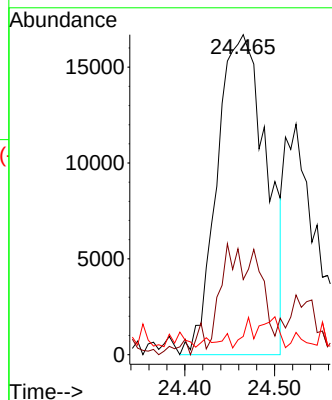
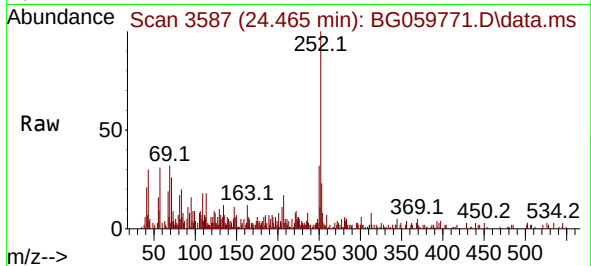




#88
Benzo(b)fluoranthene
Concen: 5.817 ng
RT: 24.465 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

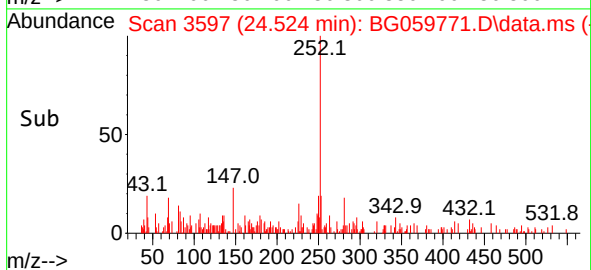
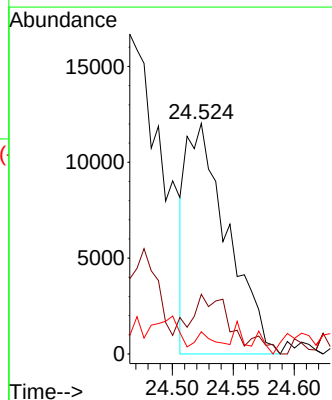
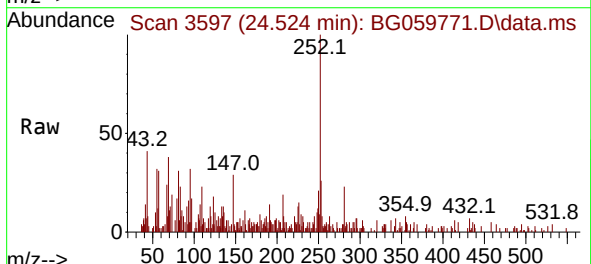
Instrument :
BNA_G
ClientSampleId :
TP-4

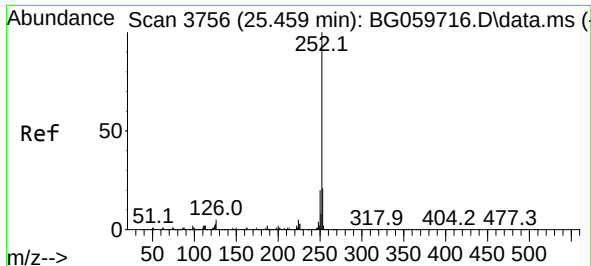
Tgt Ion:252 Resp: 63501
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 5.7 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 2.619 ng
RT: 24.524 min Scan# 3597
Delta R.T. -0.030 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:252 Resp: 28268
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7#
125 9.6 2.2 3.2#

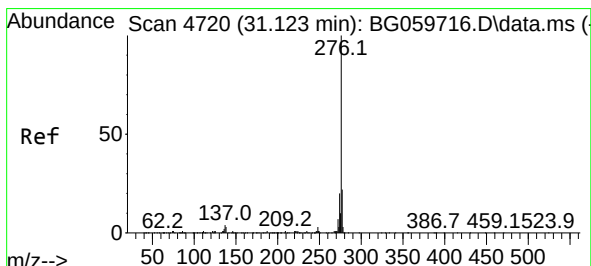
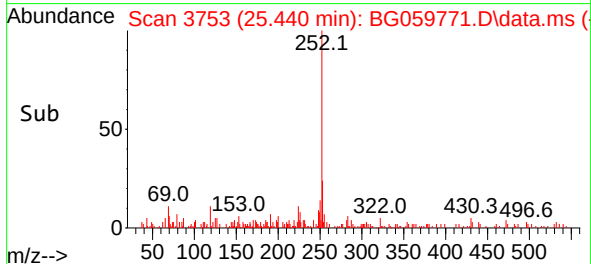
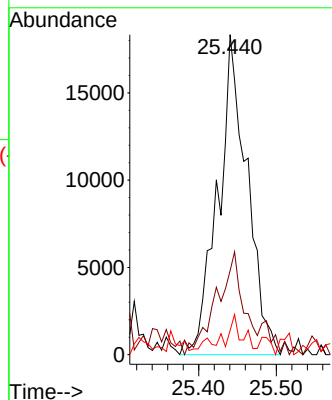
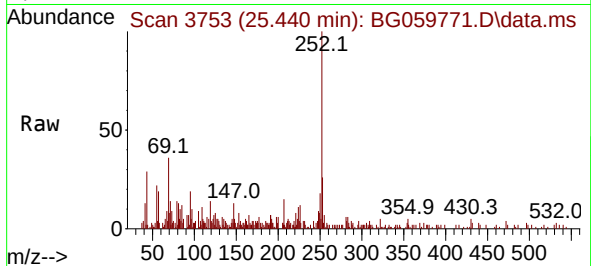




#90
Benzo(a)pyrene
Concen: 4.119 ng
RT: 25.440 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 47994
Ion Ratio Lower Upper
252 100
253 26.3 16.8 25.2#
125 7.6 2.0 3.0#



#92
Benzo(g,h,i)perylene
Concen: 3.542 ng
RT: 31.081 min Scan# 4713
Delta R.T. -0.042 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:276 Resp: 42852
Ion Ratio Lower Upper
276 100
277 18.7 17.3 25.9
138 4.7 2.6 4.0#

