

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059787.D
 Acq On : 21 Nov 2023 11:28
 Operator : MA/JU
 Sample : 05464-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-11162023

Quant Time: Nov 21 12:19:32 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)

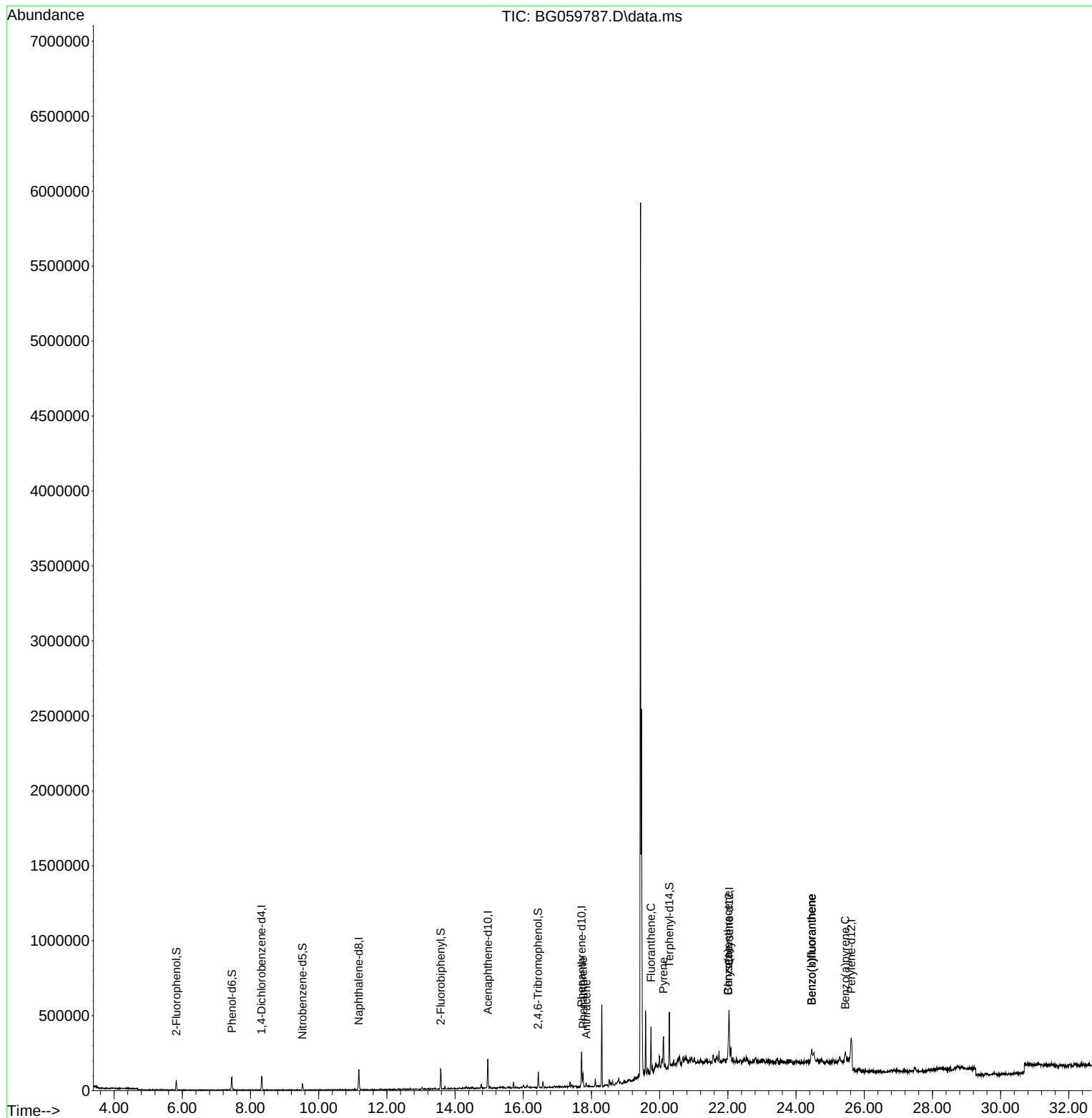
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	21174	20.000	ng	#-0.02
21) Naphthalene-d8	11.179	136	89599	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	62952	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	120902	20.000	ng	# 0.00
76) Chrysene-d12	22.037	240	176226	20.000	ng	#-0.01
86) Perylene-d12	25.621	264	192423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	20280	16.121	ng	0.00
7) Phenol-d6	7.454	99	37120	19.912	ng	0.00
23) Nitrobenzene-d5	9.522	82	24228	10.327	ng	-0.02
42) 2,4,6-Tribromophenol	16.438	330	13463	18.849	ng	-0.02
45) 2-Fluorobiphenyl	13.576	172	58775	12.567	ng	-0.02
79) Terphenyl-d14	20.286	244	150730	12.627	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	48506	7.891	ng	# 94
72) Anthracene	17.848	178	13060	2.045	ng	96
75) Fluoranthene	19.746	202	158867	21.551	ng	97
78) Pyrene	20.110	202	128319	10.702	ng	94
81) Benzo(a)anthracene	22.013	228	69444	5.759	ng	# 94
83) Chrysene	22.013	228	69444	6.283	ng	97
88) Benzo(b)fluoranthene	24.458	252	92440	8.765	ng	# 97
89) Benzo(k)fluoranthene	24.458	252	92440	8.866	ng	100
90) Benzo(a)pyrene	25.445	252	71233	6.329	ng	# 99

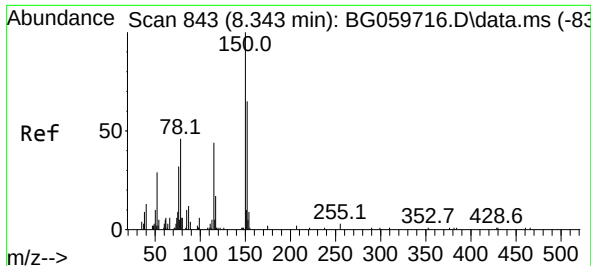
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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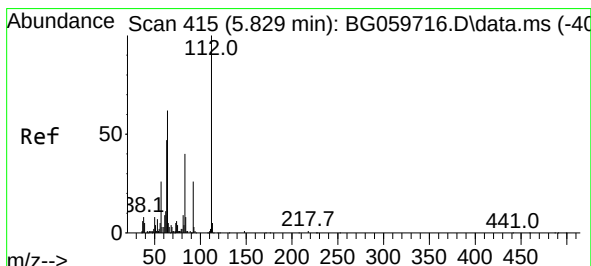
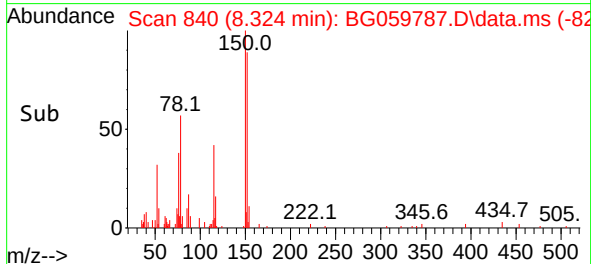
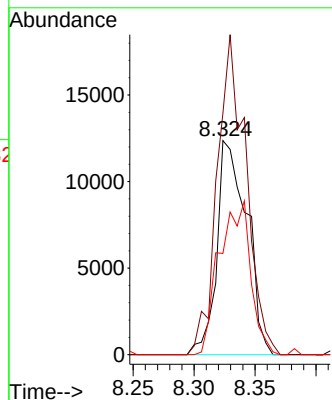
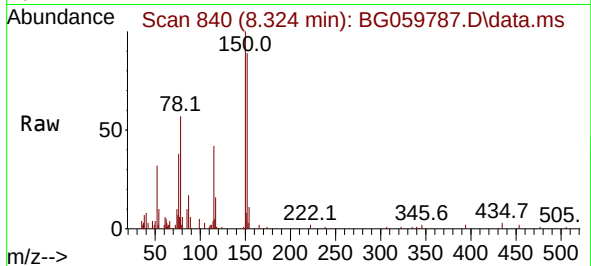




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.324 min Scan# 84
Delta R.T. -0.019 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

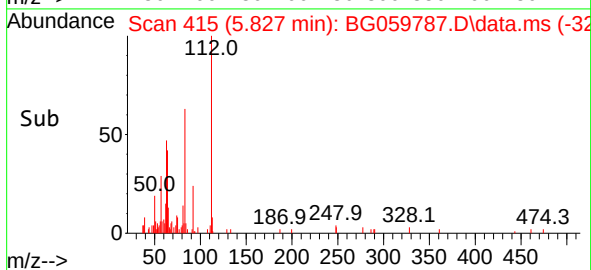
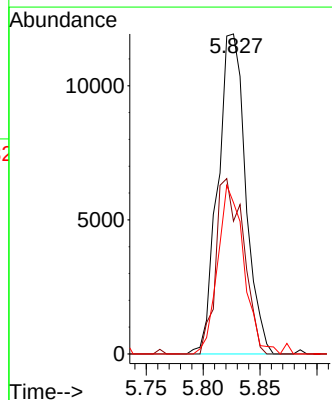
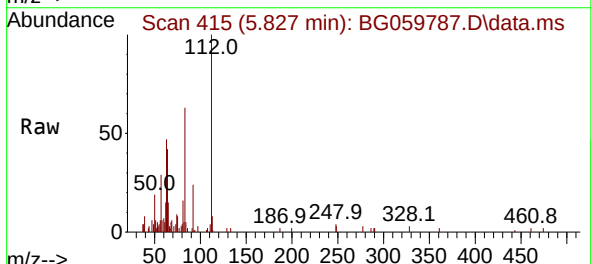
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

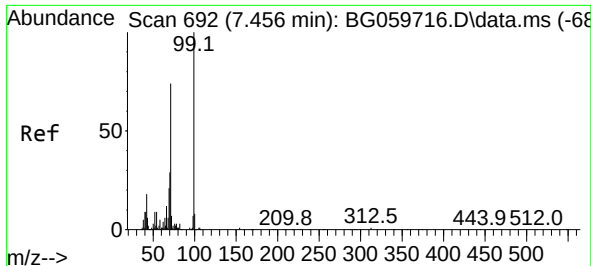
Tgt Ion:152 Resp: 21174
Ion Ratio Lower Upper
152 100
150 112.8 122.2 183.4#
115 47.3 54.2 81.4#



#5
2-Fluorophenol
Concen: 16.121 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:112 Resp: 20280
Ion Ratio Lower Upper
112 100
64 41.5 49.5 74.3#
63 47.3 37.4 56.2

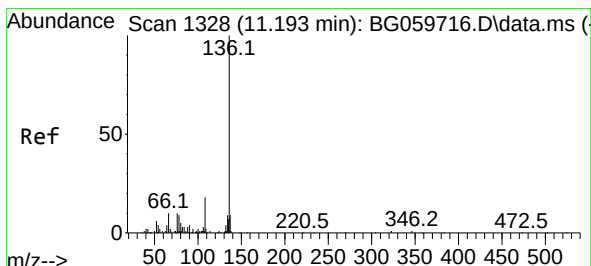
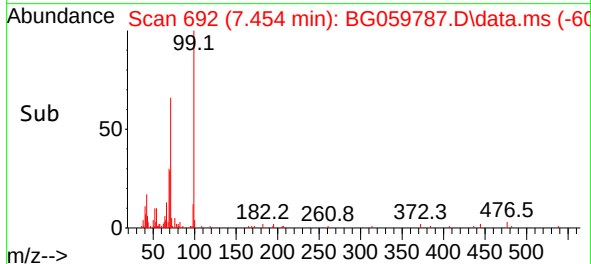
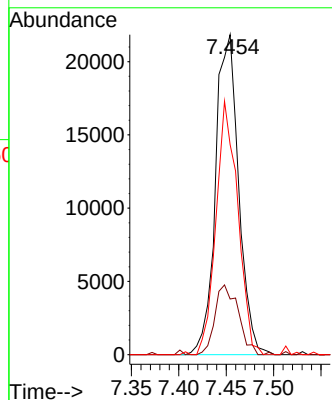
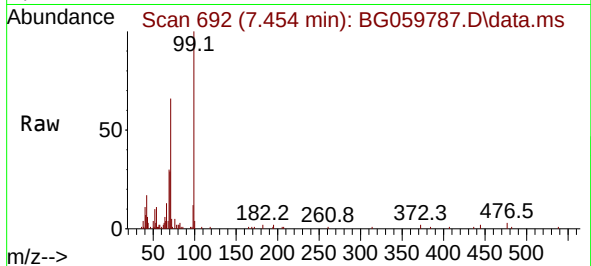




#7
Phenol-d6
Concen: 19.912 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

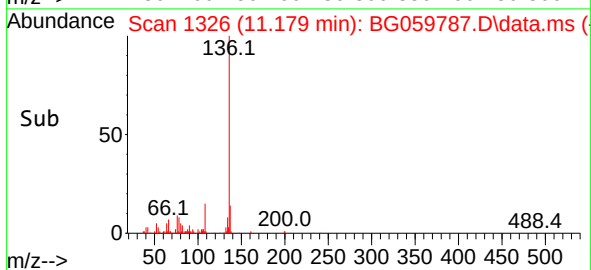
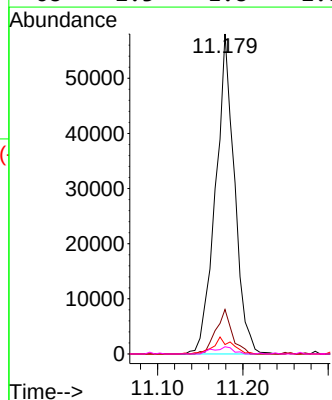
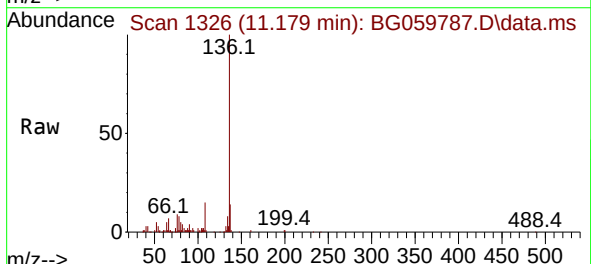
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

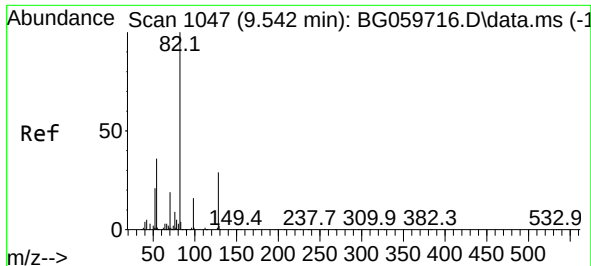
Tgt Ion: 99 Resp: 37120
Ion Ratio Lower Upper
99 100
42 17.4 14.3 21.5
71 65.7 59.3 88.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:136 Resp: 89599
Ion Ratio Lower Upper
136 100
137 13.9 7.4 11.0#
54 2.9 3.1 4.7#
68 2.3 1.8 2.8





#23

Nitrobenzene-d5

Concen: 10.327 ng

RT: 9.522 min Scan# 1044

Delta R.T. -0.020 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

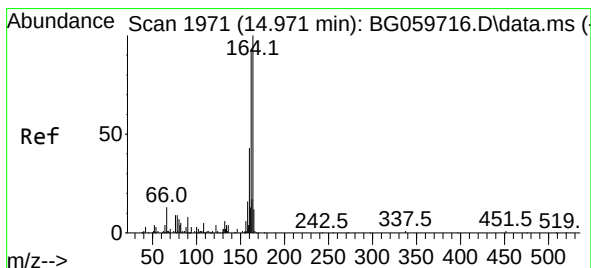
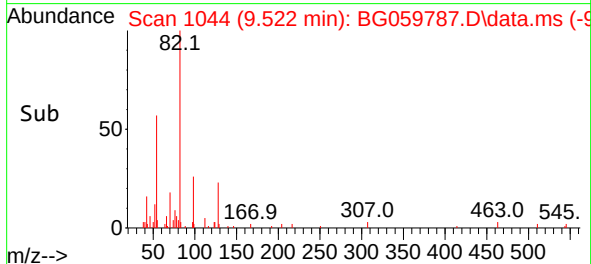
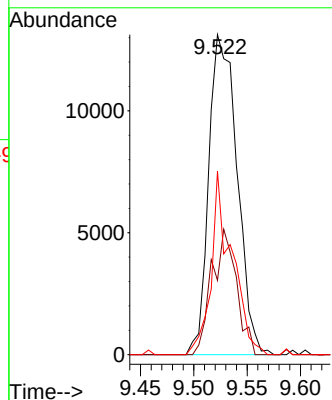
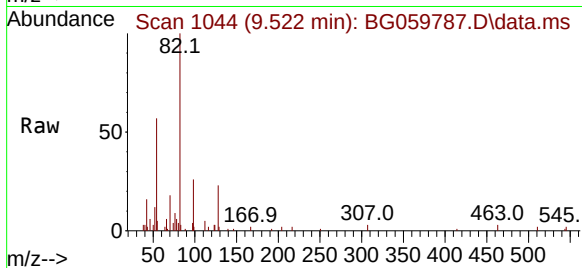
Tgt Ion: 82 Resp: 24228

Ion Ratio Lower Upper

82 100

128 23.2 23.0 34.6

54 57.4 28.7 43.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.963 min Scan# 1970

Delta R.T. -0.008 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

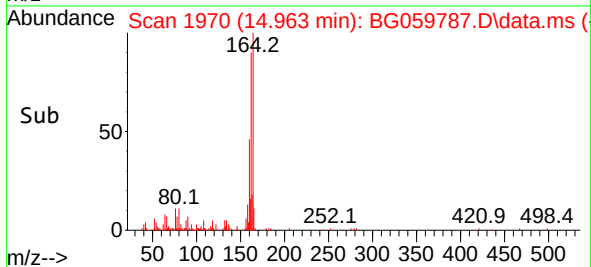
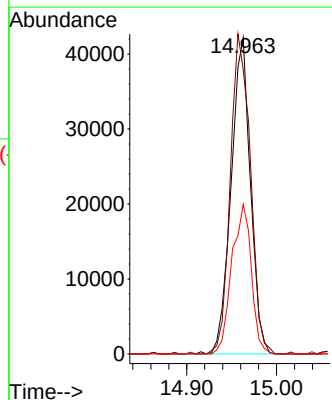
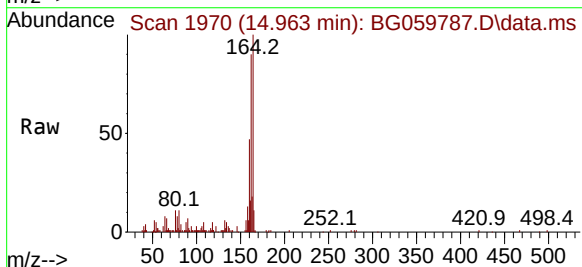
Tgt Ion:164 Resp: 62952

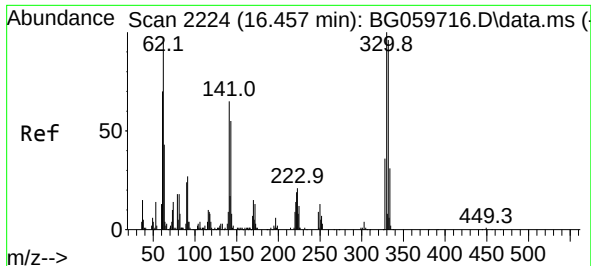
Ion Ratio Lower Upper

164 100

162 89.9 73.3 109.9

160 47.3 34.1 51.1

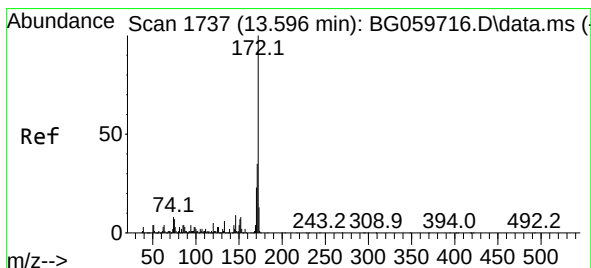
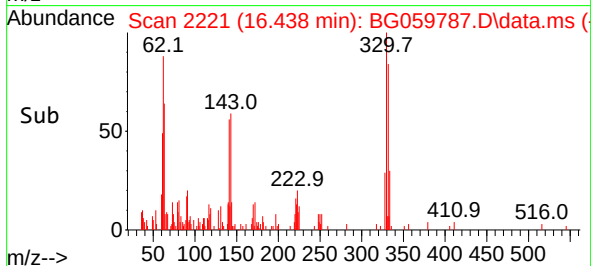
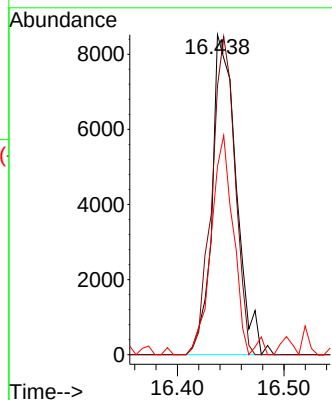
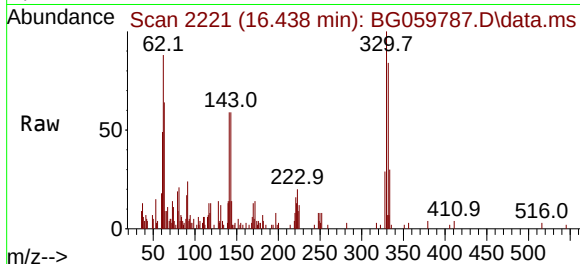




#42
2,4,6-Tribromophenol
Concen: 18.849 ng
RT: 16.438 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

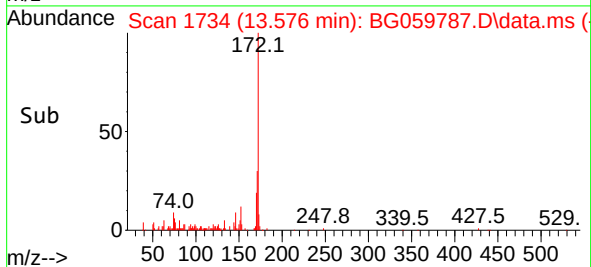
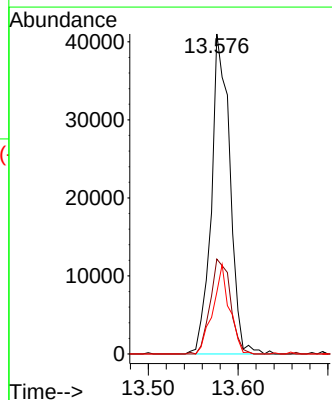
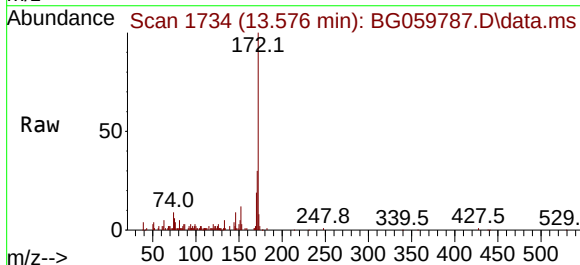
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

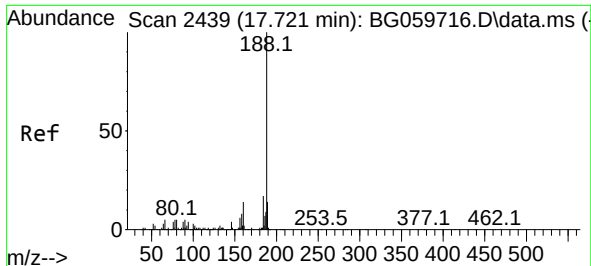
Tgt Ion:	330	Resp:	13463
Ion Ratio	Lower	Upper	
330	100		
332	95.6	73.3	109.9
141	62.4	52.1	78.1



#45
2-Fluorobiphenyl
Concen: 12.567 ng
RT: 13.576 min Scan# 1734
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:	172	Resp:	58775
Ion Ratio	Lower	Upper	
172	100		
171	29.6	27.7	41.5
170	19.3	18.4	27.6

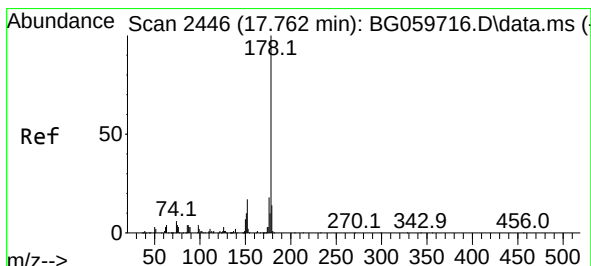
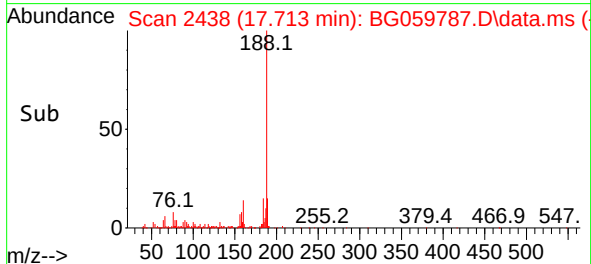
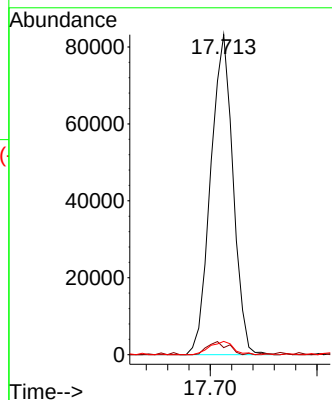
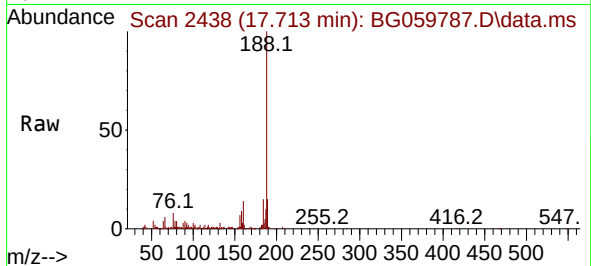




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

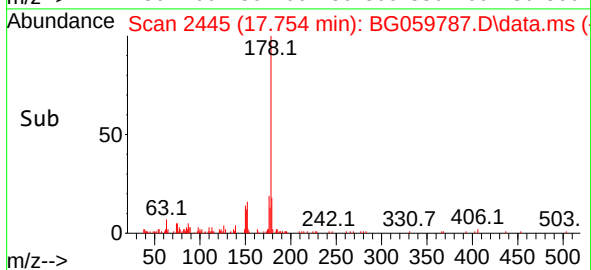
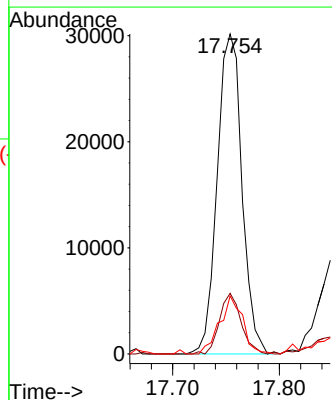
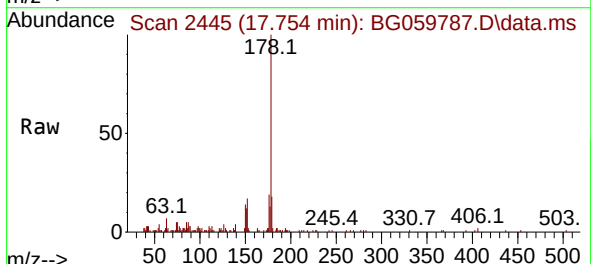
Instrument :
BNA_G
ClientSampleId :
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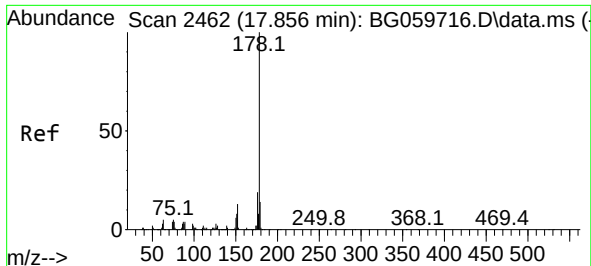
Tgt Ion:188 Resp: 120902
Ion Ratio Lower Upper
188 100
94 2.2 3.0 4.4#
80 4.2 4.2 6.4#



#71
Phenanthrene
Concen: 7.891 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:178 Resp: 48506
Ion Ratio Lower Upper
178 100
176 19.0 14.5 21.7
179 18.1 11.2 16.8#

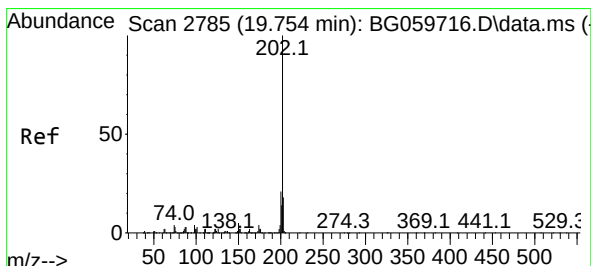
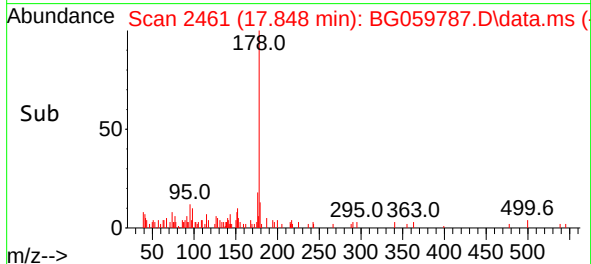
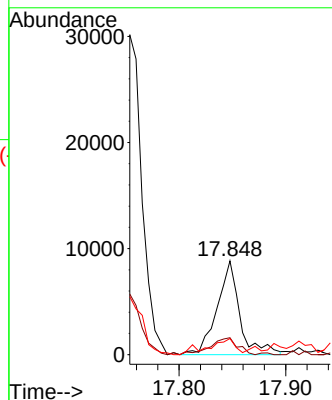
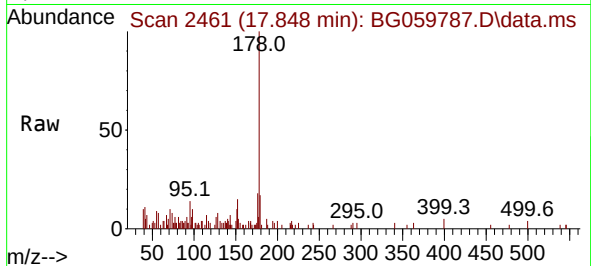




#72
 Anthracene
 Concen: 2.045 ng
 RT: 17.848 min Scan# 2461
 Delta R.T. -0.008 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

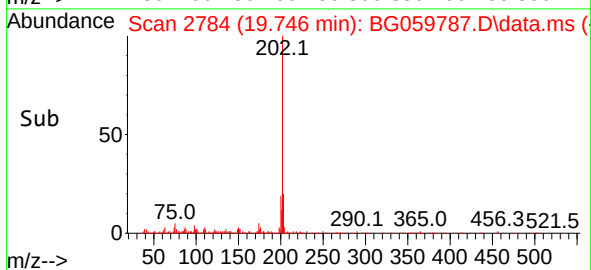
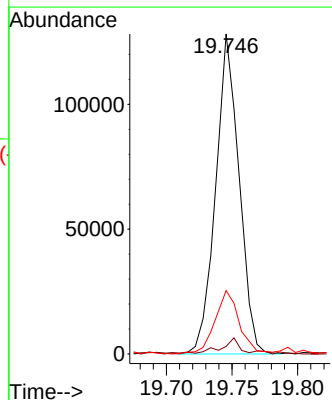
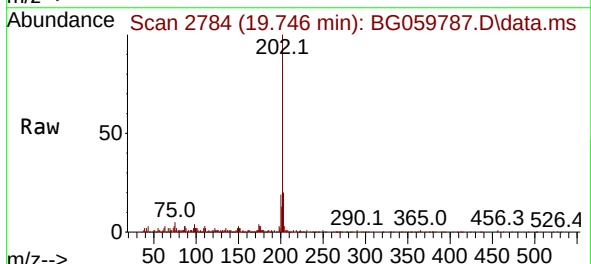
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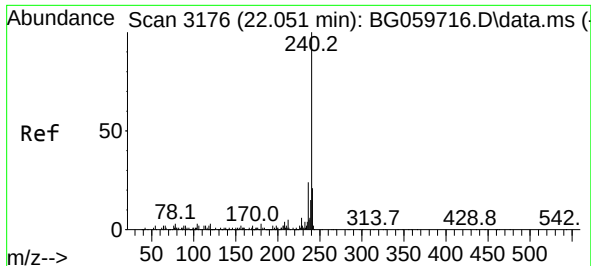
Tgt Ion:178 Resp: 13060
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 17.2 11.5 17.3



#75
 Fluoranthene
 Concen: 21.551 ng
 RT: 19.746 min Scan# 2784
 Delta R.T. -0.008 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

Tgt Ion:202 Resp: 158867
 Ion Ratio Lower Upper
 202 100
 101 2.4 0.0 22.7
 203 19.8 0.0 38.2

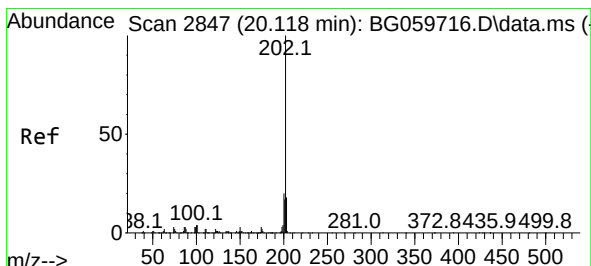
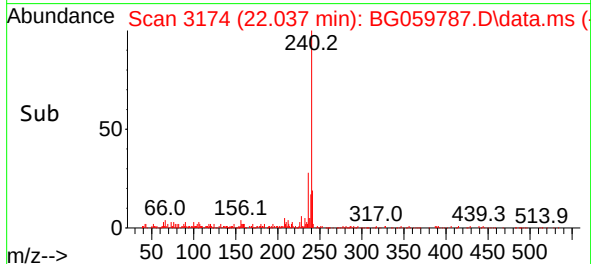
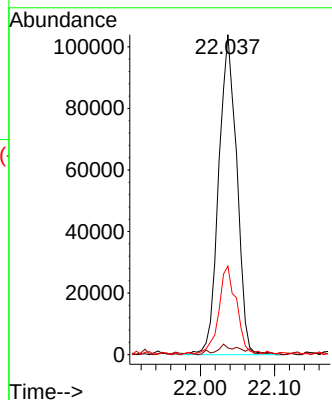
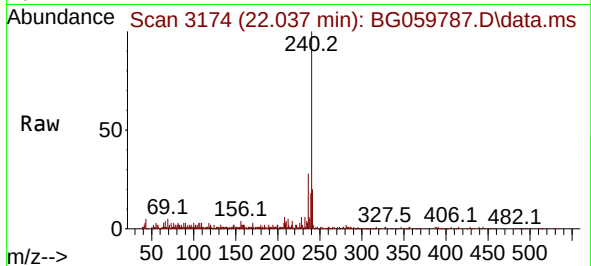




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.037 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

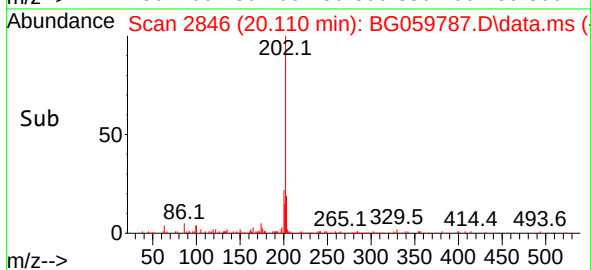
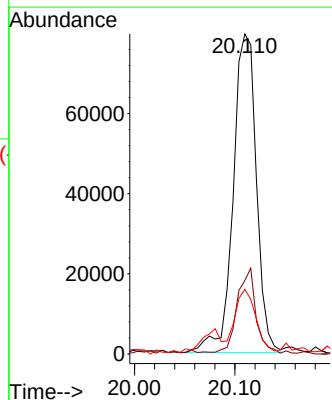
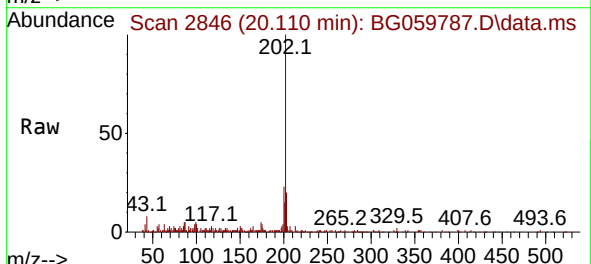
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

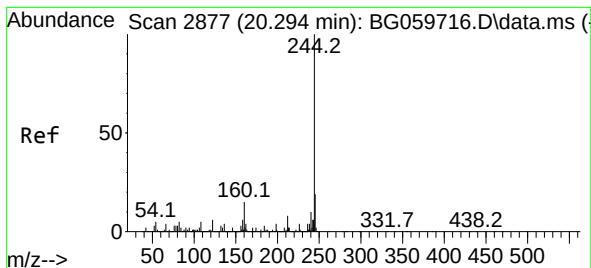
Tgt Ion:240 Resp: 176226
Ion Ratio Lower Upper
240 100
120 2.1 2.2 3.2#
236 27.7 19.4 29.2



#78
Pyrene
Concen: 10.702 ng
RT: 20.110 min Scan# 2846
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:202 Resp: 128319
Ion Ratio Lower Upper
202 100
200 22.9 16.2 24.4
203 20.2 14.0 21.0





#79

Terphenyl-d14

Concen: 12.627 ng

RT: 20.286 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

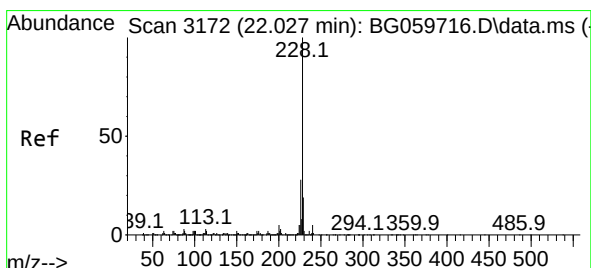
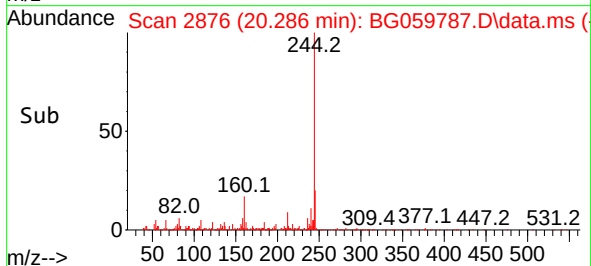
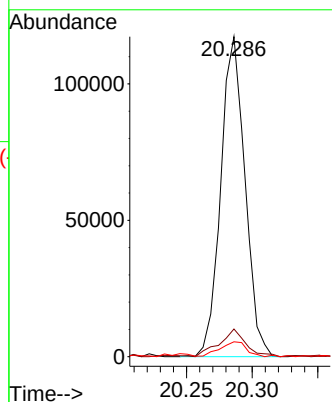
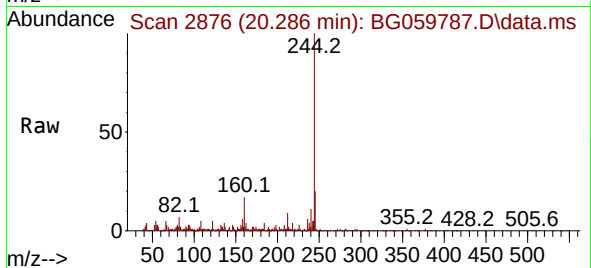
Tgt Ion:244 Resp: 150730

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

122 4.7 4.4 6.6



#81

Benzo(a)anthracene

Concen: 5.759 ng

RT: 22.013 min Scan# 3170

Delta R.T. -0.014 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

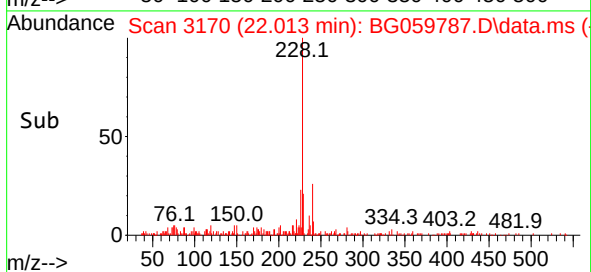
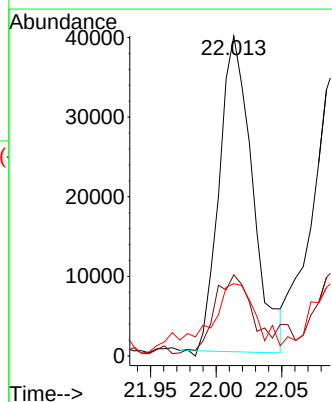
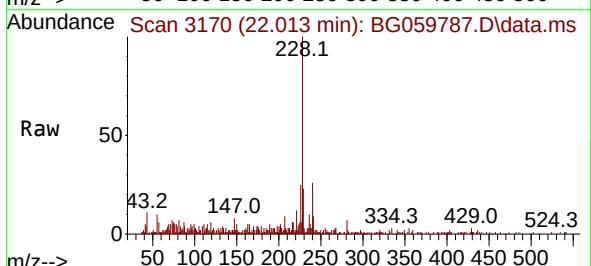
Tgt Ion:228 Resp: 69444

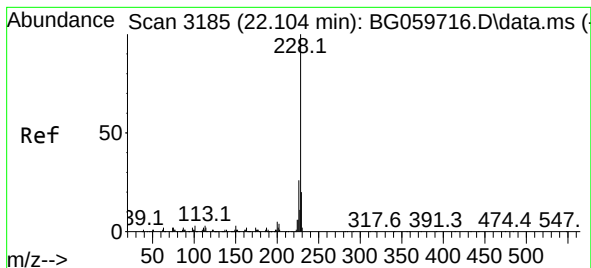
Ion Ratio Lower Upper

228 100

226 25.3 22.1 33.1

229 22.6 14.9 22.3#





#83

Chrysene

Concen: 6.283 ng

RT: 22.013 min Scan# 31

Delta R.T. -0.090 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

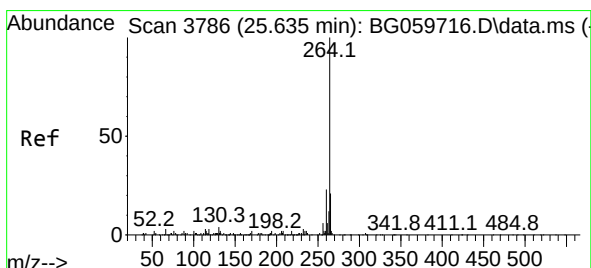
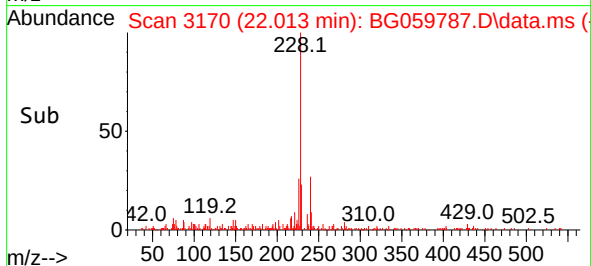
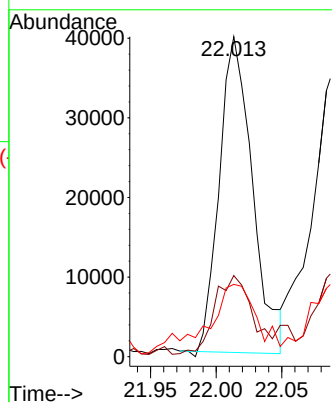
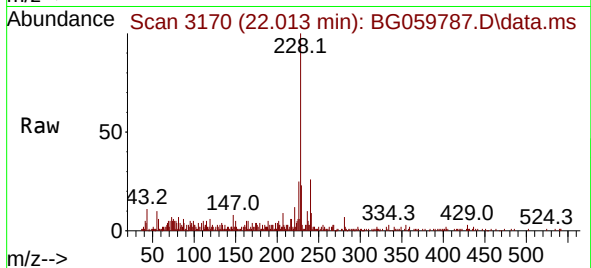
Tgt Ion:228 Resp: 69444

Ion Ratio Lower Upper

228 100

226 25.3 21.1 31.7

229 22.6 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.621 min Scan# 3784

Delta R.T. -0.014 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

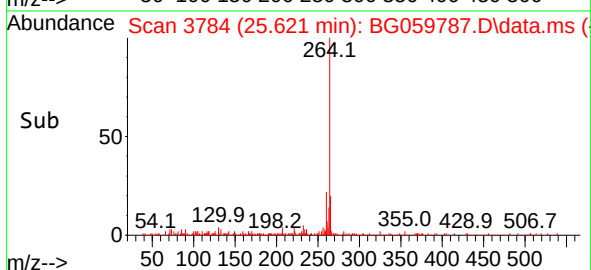
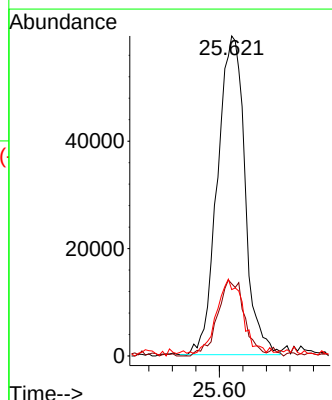
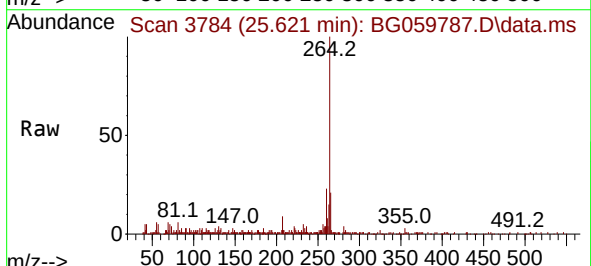
Tgt Ion:264 Resp: 192423

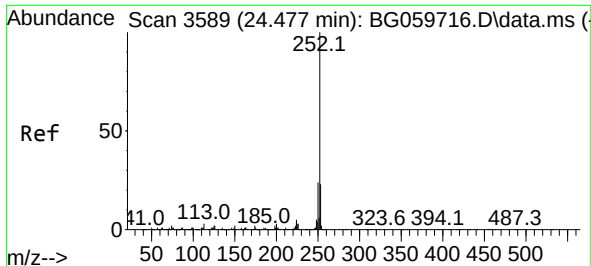
Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 20.7 17.0 25.6

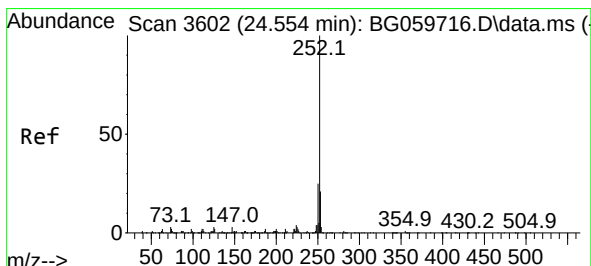
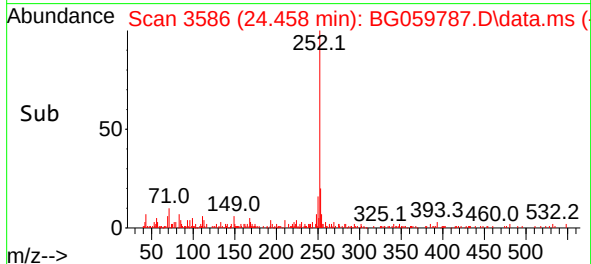
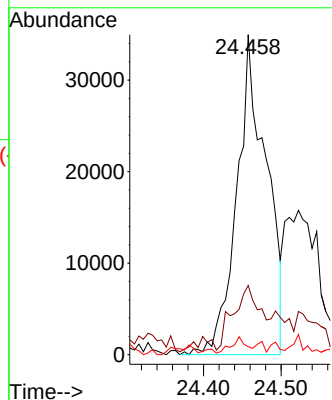
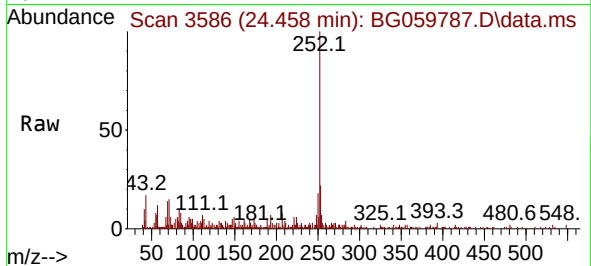




#88
Benzo(b)fluoranthene
Concen: 8.765 ng
RT: 24.458 min Scan# 3586
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

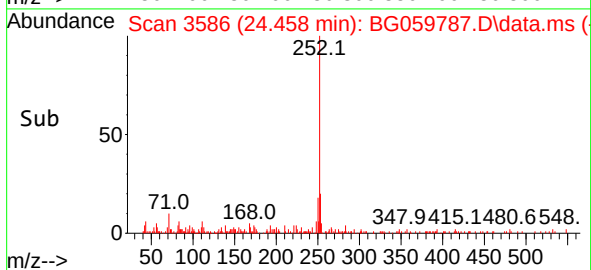
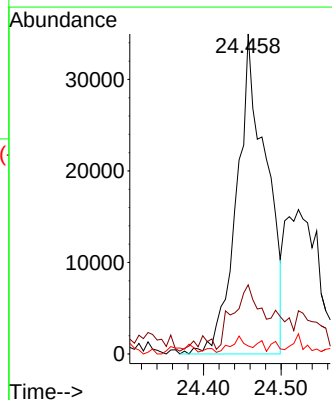
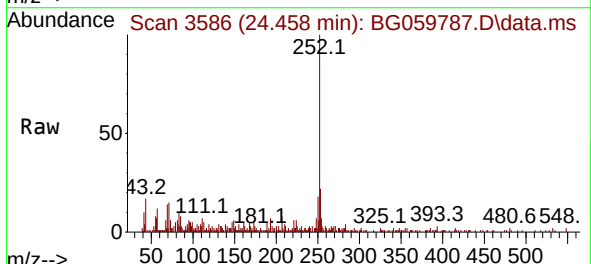
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

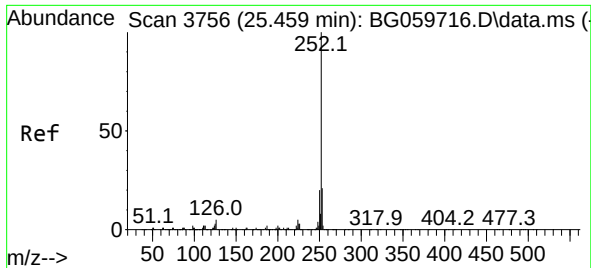
Tgt Ion:252 Resp: 92440
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 2.5 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 8.866 ng
RT: 24.458 min Scan# 3586
Delta R.T. -0.096 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:252 Resp: 92440
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 2.5 2.2 3.2





#90
 Benzo(a)pyrene
 Concen: 6.329 ng
 RT: 25.445 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-11162023

Tgt Ion:252 Resp: 71233
 Ion Ratio Lower Upper
 252 100
 253 20.8 16.8 25.2
 125 1.7 2.0 3.0#

