

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056282.D
 Acq On : 13 Jan 2023 17:57
 Operator : CG/JU
 Sample : 01135-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Quant Time: Jan 16 00:48:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

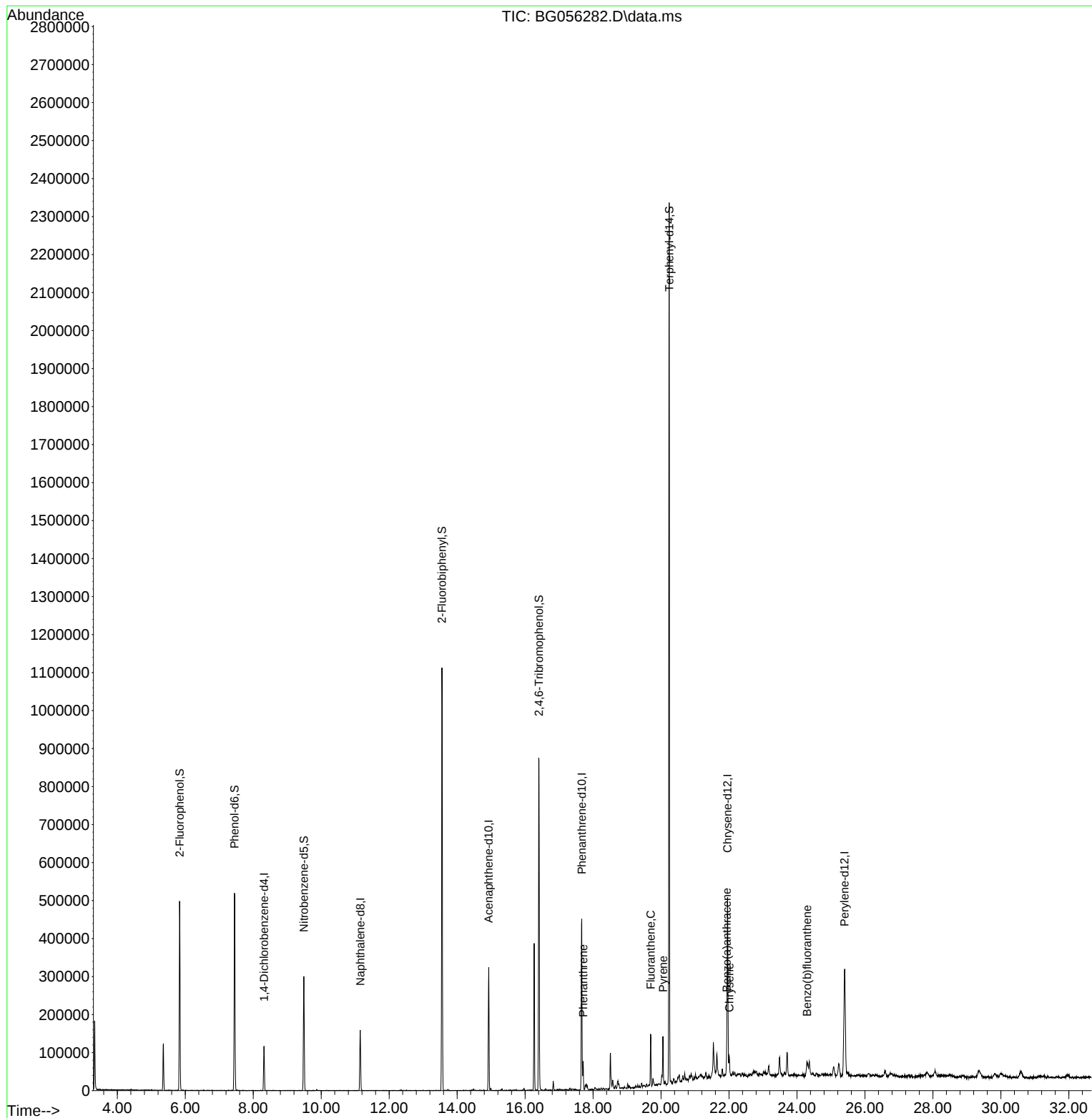
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.319	152	38024	20.000	ng	0.00
21) Naphthalene-d8	11.151	136	147758	20.000	ng	# 0.00
39) Acenaphthene-d10	14.929	164	125180	20.000	ng	0.00
64) Phenanthrene-d10	17.667	188	317813	20.000	ng	0.00
76) Chrysene-d12	21.956	240	315126	20.000	ng	# 0.00
86) Perylene-d12	25.399	264	342157	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	278526	130.788	ng	0.00
7) Phenol-d6	7.449	99	401966	122.908	ng	0.00
23) Nitrobenzene-d5	9.488	82	212656	73.618	ng	0.00
42) 2,4,6-Tribromophenol	16.409	330	184338	116.273	ng	0.00
45) 2-Fluorobiphenyl	13.554	172	630117	69.510	ng	0.00
79) Terphenyl-d14	20.240	244	1255877	71.379	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.708	178	52412	3.182	ng	97
75) Fluoranthene	19.694	202	93464	4.350	ng	97
78) Pyrene	20.058	202	90700	4.083	ng	100
81) Benzo(a)anthracene	21.932	228	50070	2.262	ng	99
83) Chrysene	22.009	228	42997	2.074	ng	96
88) Benzo(b)fluoranthene	24.294	252	52369	2.409	ng	# 88

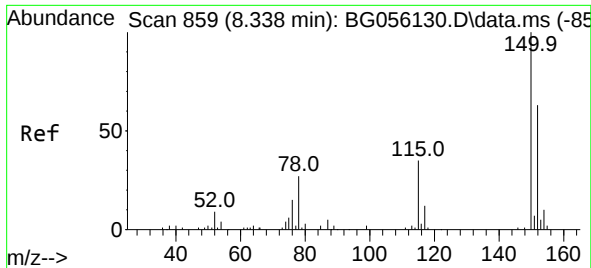
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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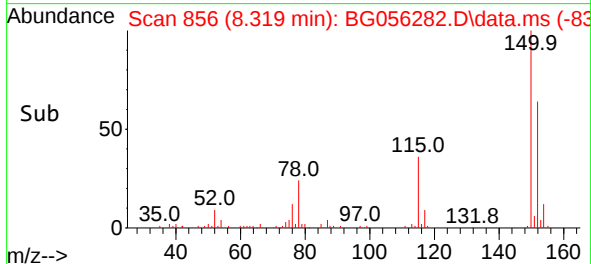
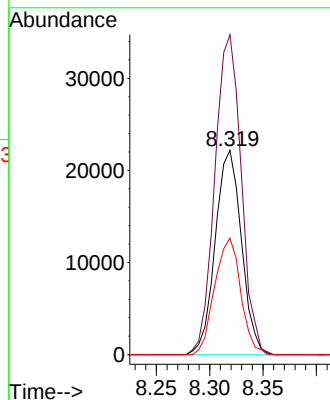
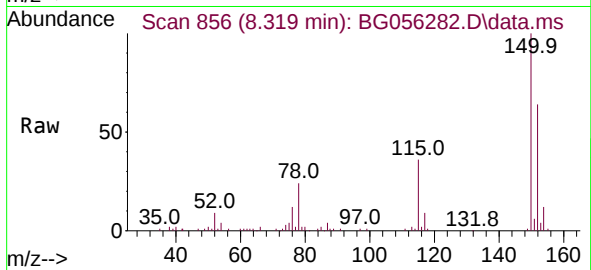




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.319 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

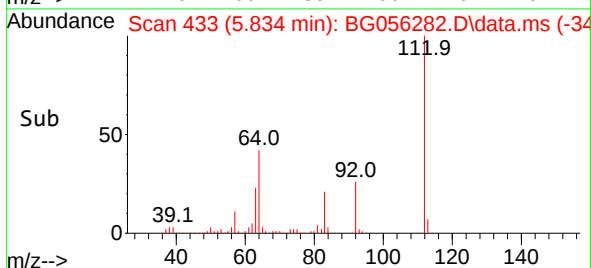
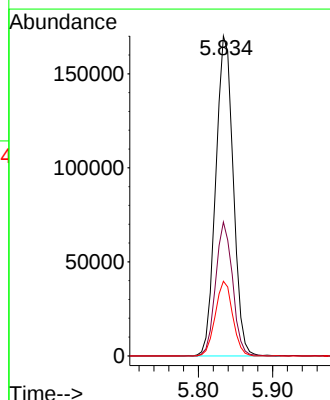
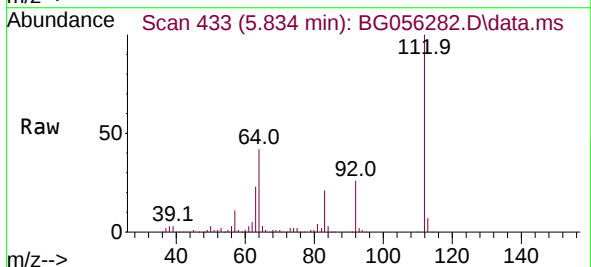
Instrument :
BNA_G
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 38024
Ion Ratio Lower Upper
152 100
150 156.7 127.9 191.9
115 57.1 44.2 66.2



#5
2-Fluorophenol
Concen: 130.788 ng
RT: 5.834 min Scan# 433
Delta R.T. 0.008 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

Tgt Ion:112 Resp: 278526
Ion Ratio Lower Upper
112 100
64 41.8 33.3 49.9
63 23.3 19.0 28.4

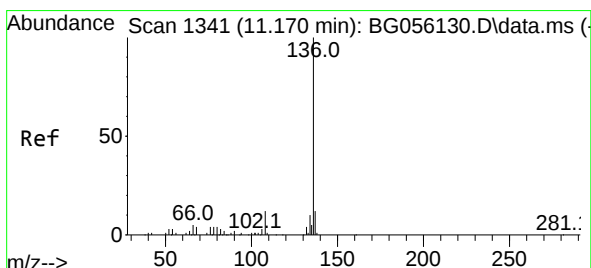
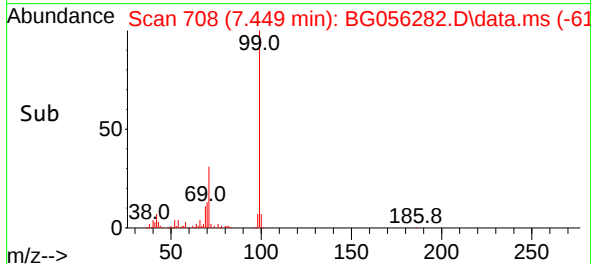
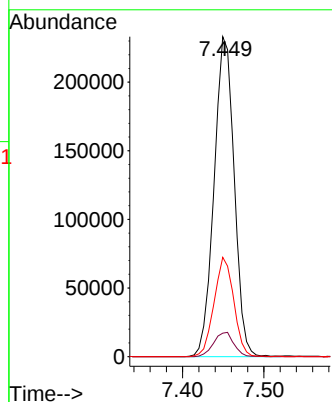
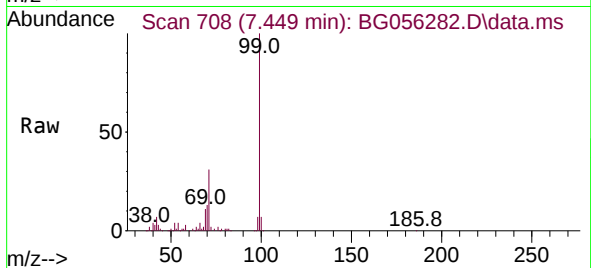




#7
Phenol-d6
Concen: 122.908 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.002 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

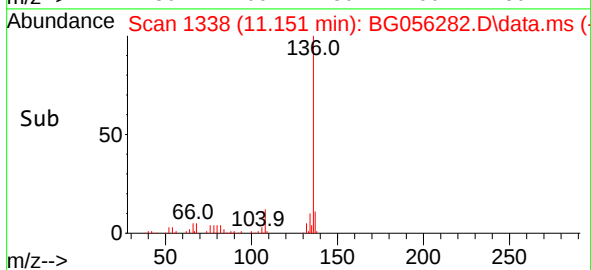
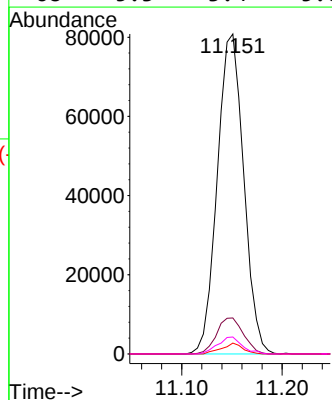
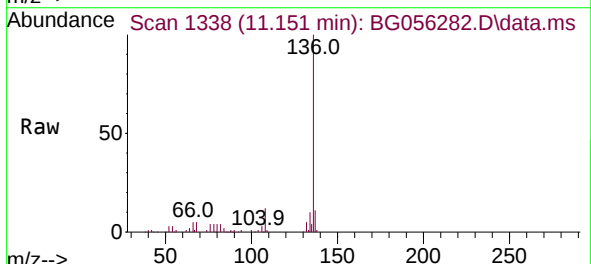
Instrument :
BNA_G
ClientSampleId :
WC-2

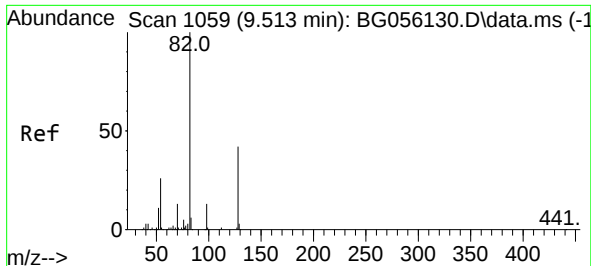
Tgt Ion: 99 Resp: 401966
Ion Ratio Lower Upper
99 100
42 7.4 5.9 8.9
71 31.0 25.4 38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.151 min Scan# 1338
Delta R.T. 0.002 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

Tgt Ion: 136 Resp: 147758
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 3.4 2.2 3.2#
68 5.3 3.4 5.0#





#23

Nitrobenzene-d5

Concen: 73.618 ng

RT: 9.488 min Scan# 1055

Delta R.T. -0.004 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

Instrument :

BNA_G

ClientSampleId :

WC-2

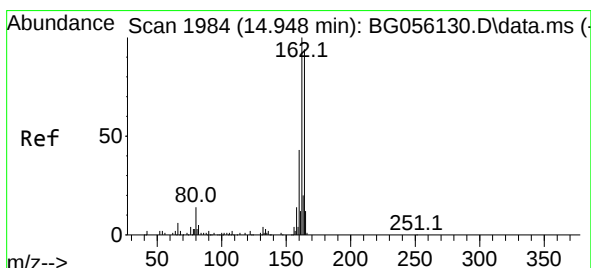
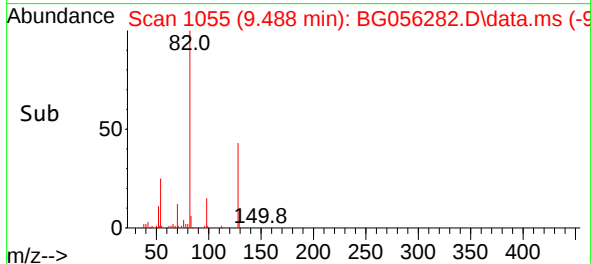
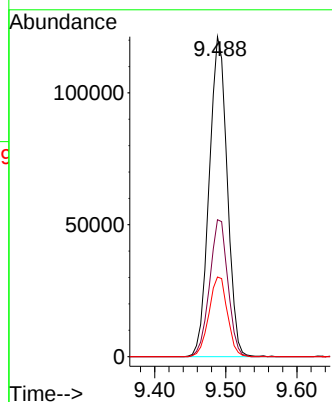
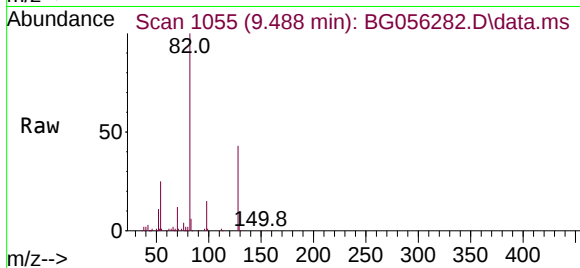
Tgt Ion: 82 Resp: 212656

Ion Ratio Lower Upper

82 100

128 42.8 33.4 50.2

54 24.9 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.929 min Scan# 1981

Delta R.T. 0.002 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

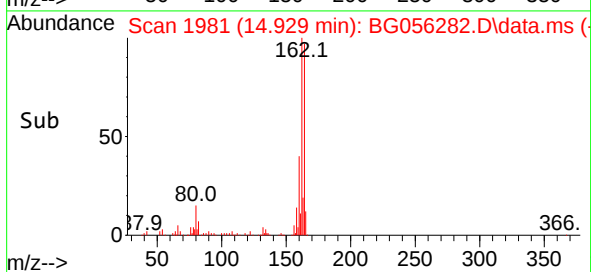
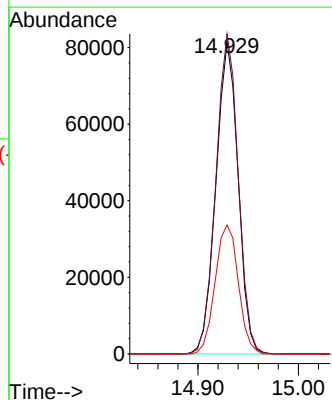
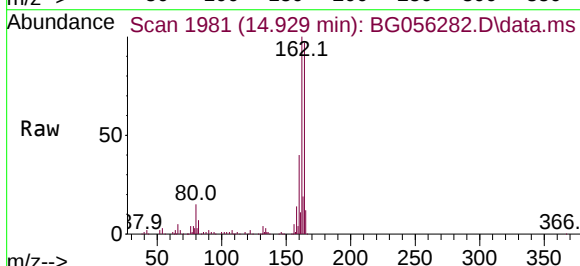
Tgt Ion:164 Resp: 125180

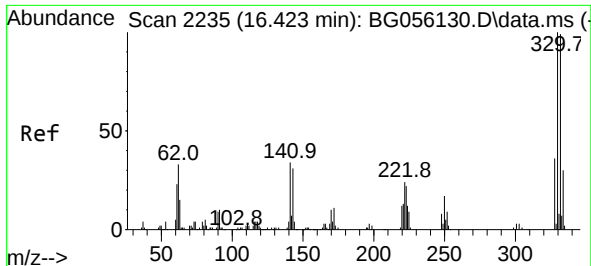
Ion Ratio Lower Upper

164 100

162 102.7 84.7 127.1

160 41.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 116.273 ng

RT: 16.409 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

Instrument :

BNA_G

ClientSampleId :

WC-2

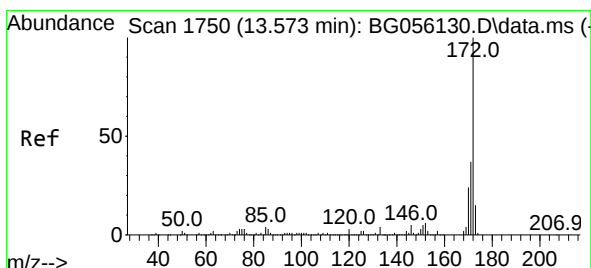
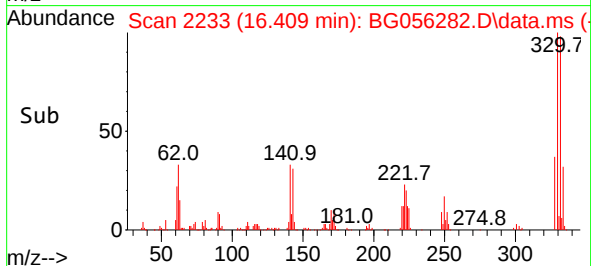
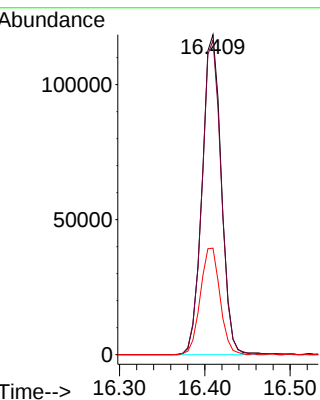
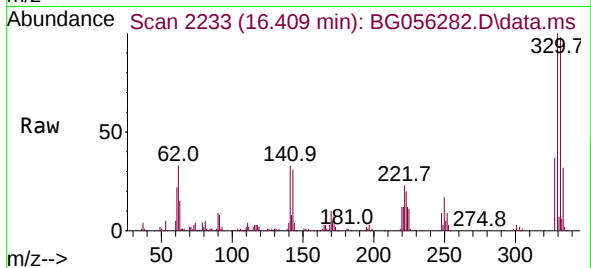
Tgt Ion:330 Resp: 184338

Ion Ratio Lower Upper

330 100

332 98.5 77.3 115.9

141 34.3 27.9 41.9



#45

2-Fluorobiphenyl

Concen: 69.510 ng

RT: 13.554 min Scan# 1747

Delta R.T. -0.004 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

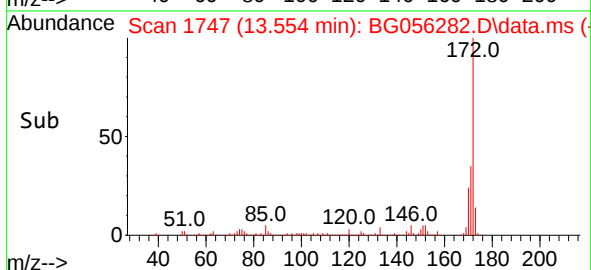
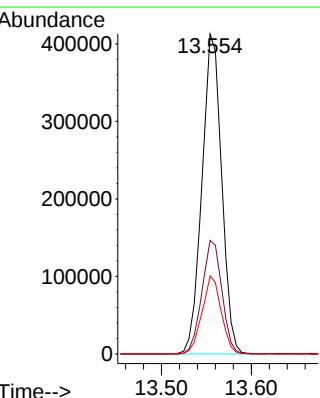
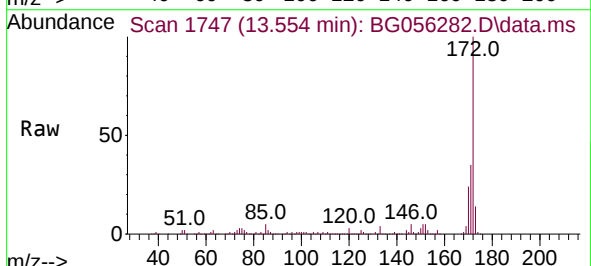
Tgt Ion:172 Resp: 630117

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

170 24.3 19.4 29.2

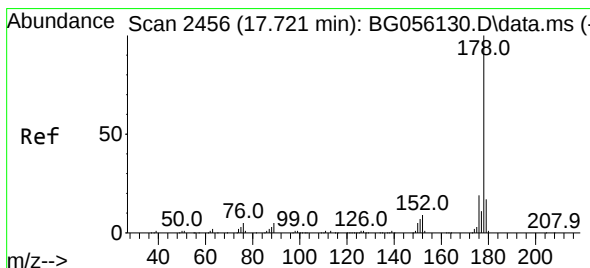
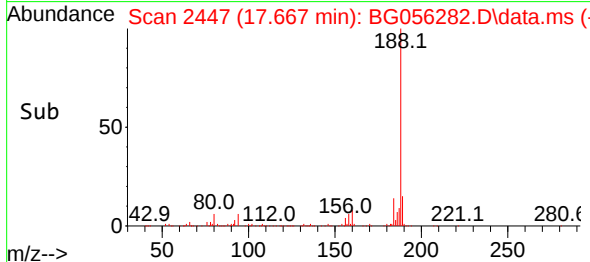
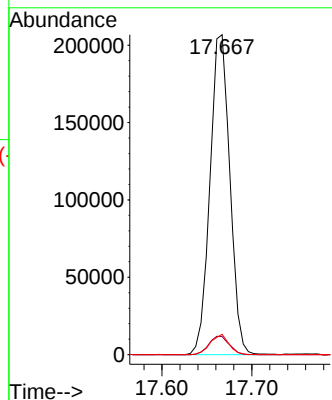
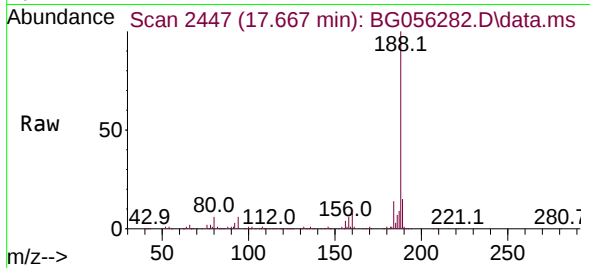




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.667 min Scan# 2447
Delta R.T. 0.002 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

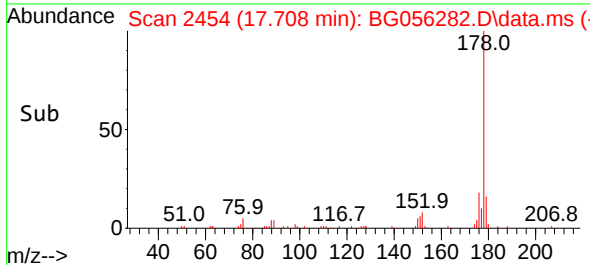
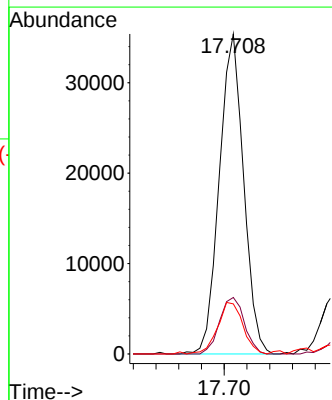
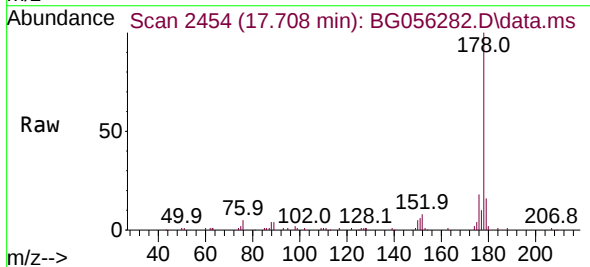
Instrument :
BNA_G
ClientSampleId :
WC-2

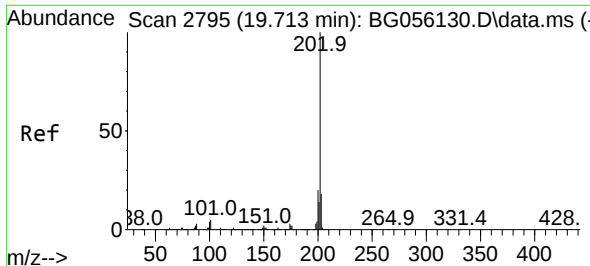
Tgt Ion:188 Resp: 317813
Ion Ratio Lower Upper
188 100
94 5.6 4.2 6.2
80 6.3 5.0 7.4



#71
Phenanthrene
Concen: 3.182 ng
RT: 17.708 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

Tgt Ion:178 Resp: 52412
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 15.6 13.6 20.4

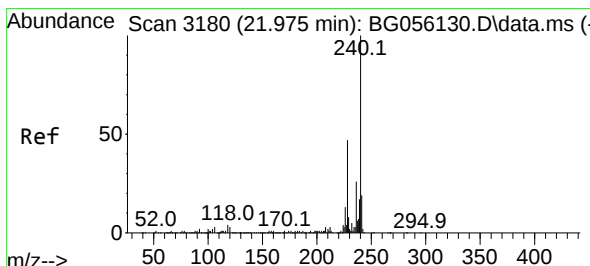
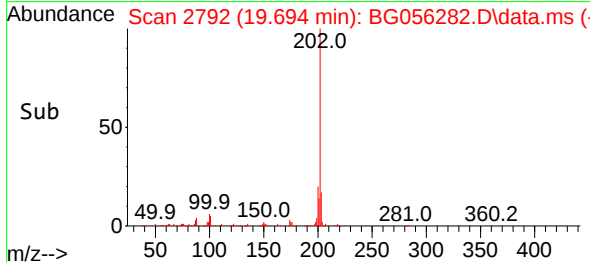
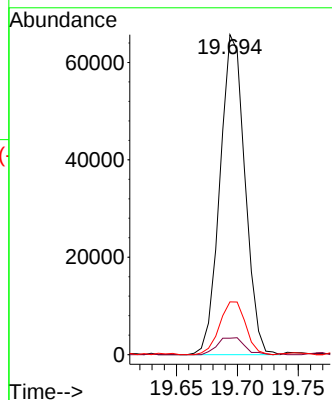
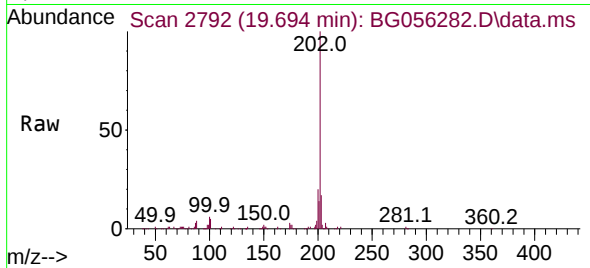




#75
Fluoranthene
Concen: 4.350 ng
RT: 19.694 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

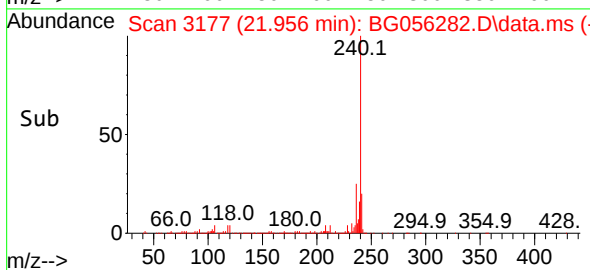
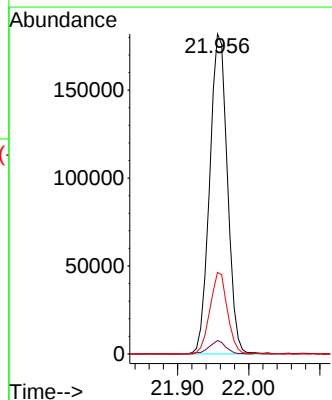
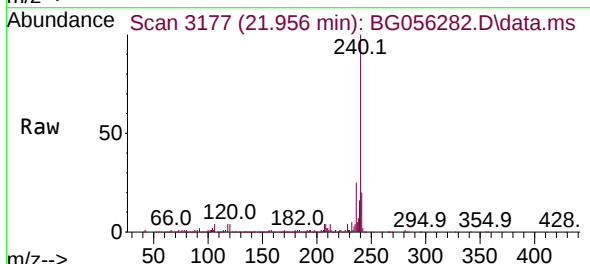
Instrument :
BNA_G
ClientSampleId :
WC-2

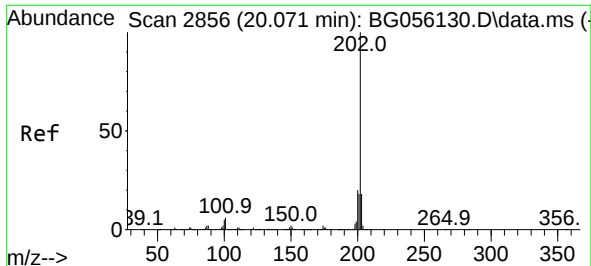
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	25.0
203	16.5	0.0	38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.956 min Scan# 3177
Delta R.T. -0.004 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.2	2.6	4.0#
236	25.5	20.8	31.2

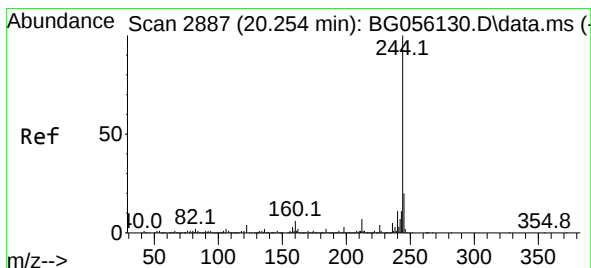
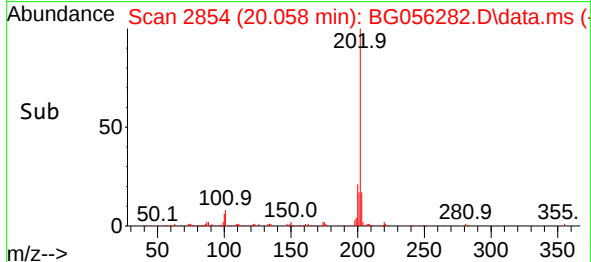
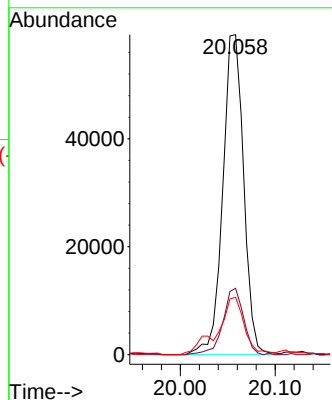
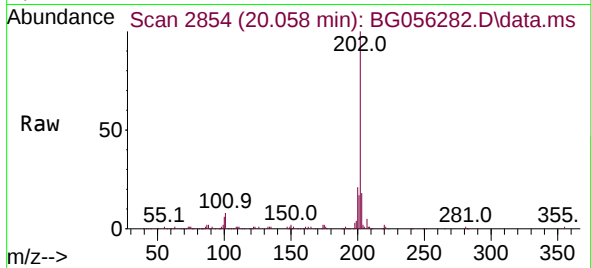




#78
 Pyrene
 Concen: 4.083 ng
 RT: 20.058 min Scan# 2854
 Delta R.T. 0.002 min
 Lab File: BG056282.D
 Acq: 13 Jan 2023 17:57

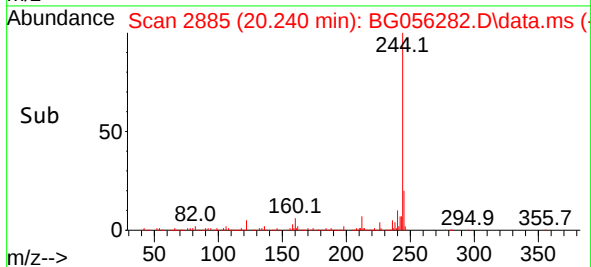
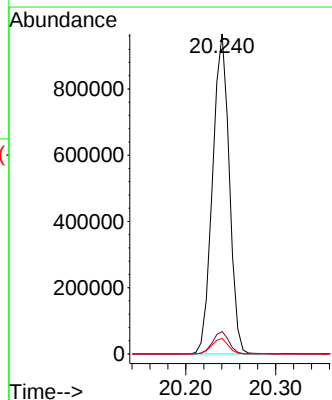
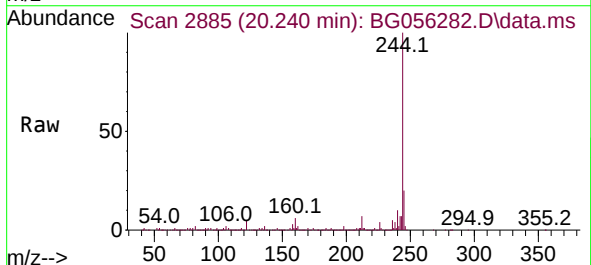
Instrument :
 BNA_G
 ClientSampleId :
 WC-2

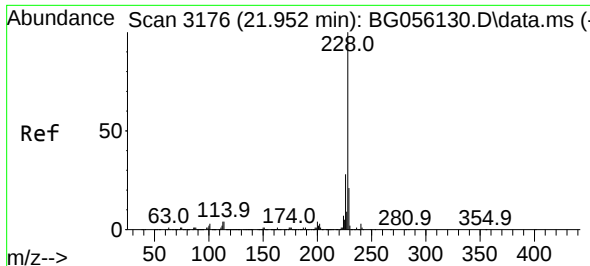
Tgt Ion:202 Resp: 90700
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.4 24.6
 203 17.9 14.3 21.5



#79
 Terphenyl-d14
 Concen: 71.379 ng
 RT: 20.240 min Scan# 2885
 Delta R.T. 0.002 min
 Lab File: BG056282.D
 Acq: 13 Jan 2023 17:57

Tgt Ion:244 Resp: 1255877
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 4.9 3.5 5.3

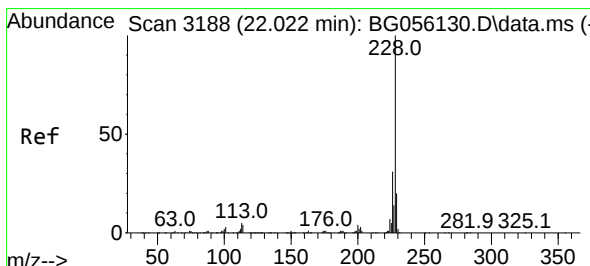
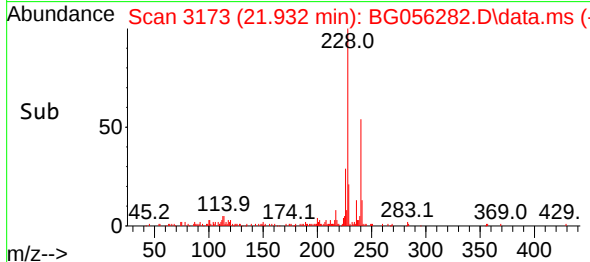
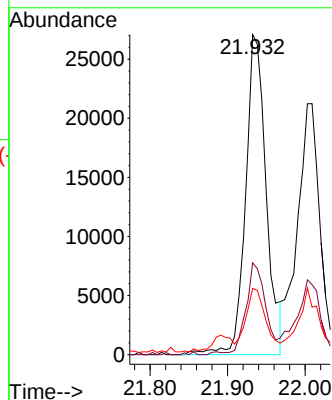
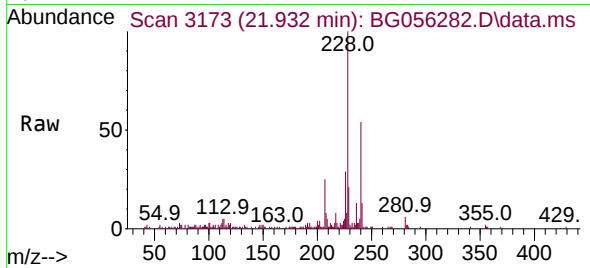




#81
Benzo(a)anthracene
Concen: 2.262 ng
RT: 21.932 min Scan# 3173
Delta R.T. -0.010 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

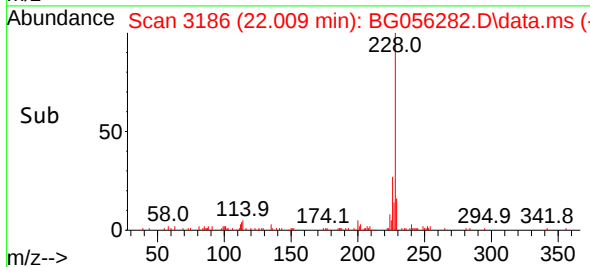
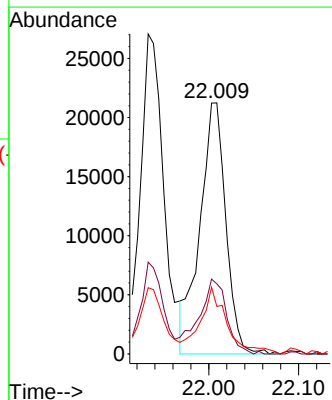
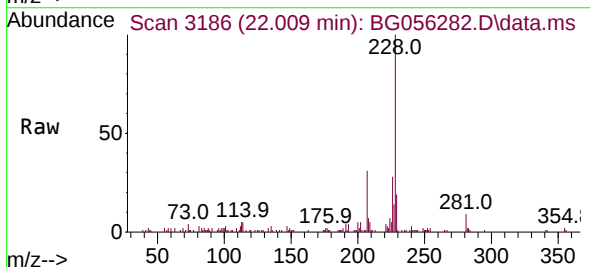
Instrument :
BNA_G
ClientSampleId :
WC-2

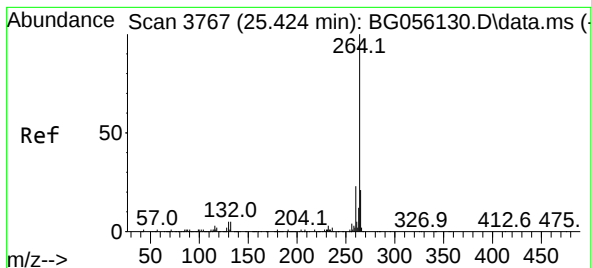
Tgt Ion:228 Resp: 50070
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 20.7 16.9 25.3



#83
Chrysene
Concen: 2.074 ng
RT: 22.009 min Scan# 3186
Delta R.T. -0.004 min
Lab File: BG056282.D
Acq: 13 Jan 2023 17:57

Tgt Ion:228 Resp: 42997
Ion Ratio Lower Upper
228 100
226 27.9 24.6 36.8
229 18.9 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.399 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

Instrument :

BNA_G

ClientSampleId :

WC-2

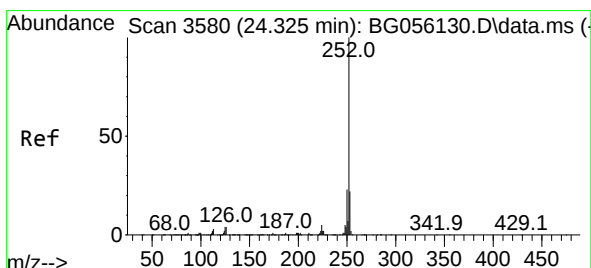
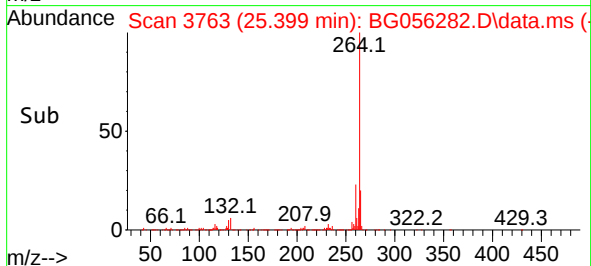
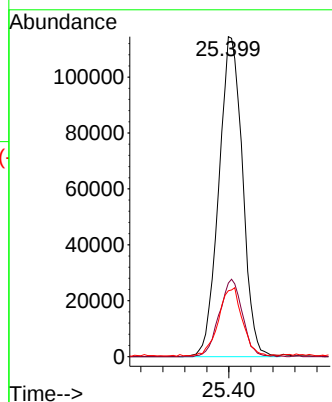
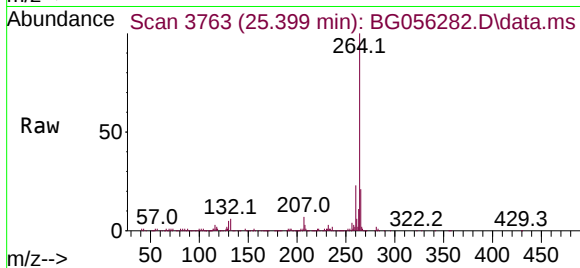
Tgt Ion:264 Resp: 342157

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 20.6 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 2.409 ng

RT: 24.294 min Scan# 3575

Delta R.T. -0.004 min

Lab File: BG056282.D

Acq: 13 Jan 2023 17:57

Tgt Ion:252 Resp: 52369

Ion Ratio Lower Upper

252 100

253 27.8 17.4 26.2#

125 6.0 3.0 4.4#

