

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080223\
 Data File : BG058581.D
 Acq On : 2 Aug 2023 16:47
 Operator : MA/JU
 Sample : 03686-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-20-0-2-20230720

Quant Time: Aug 03 02:43:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

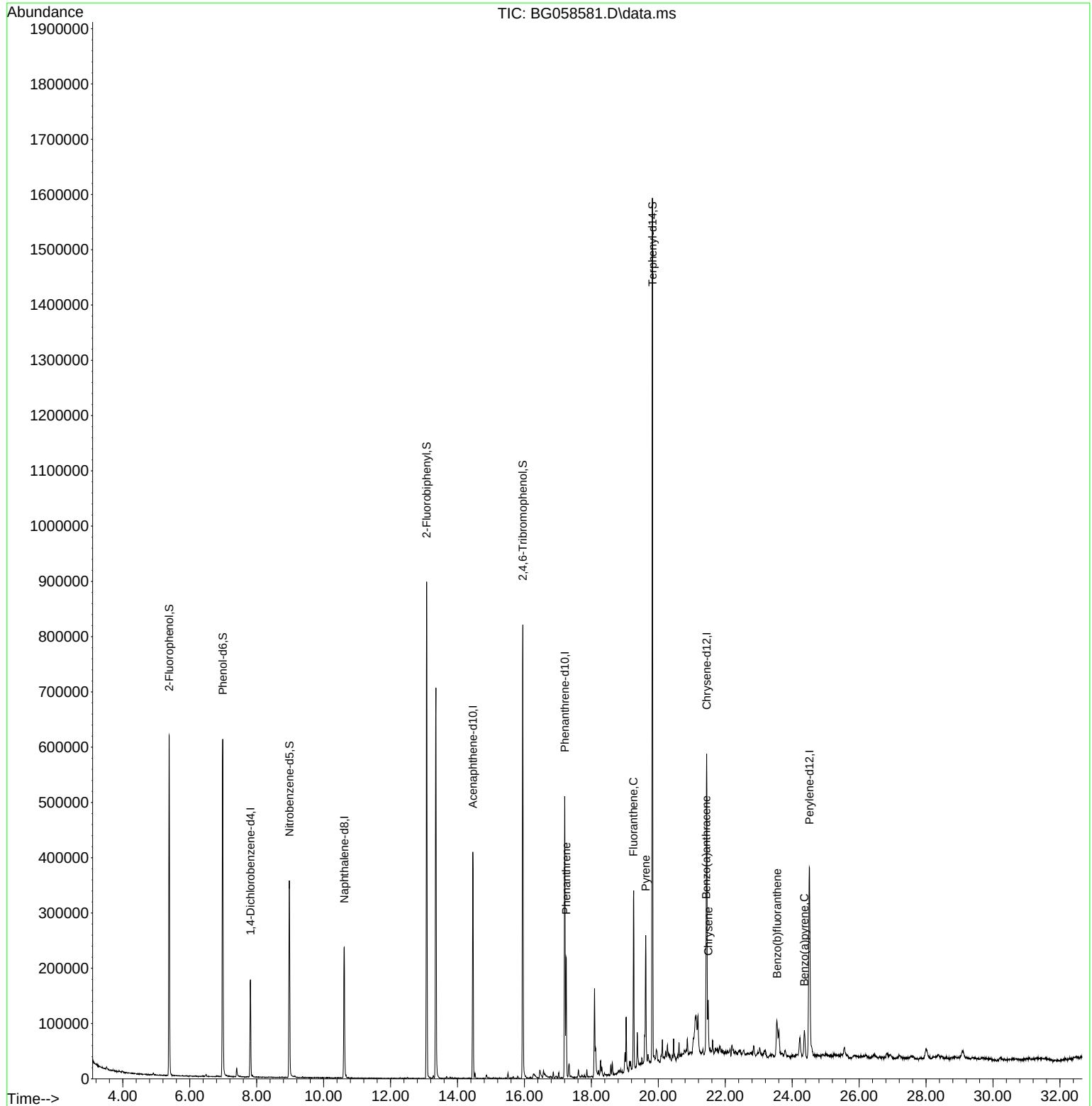
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	49654	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	213510	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	150116	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	341278	20.000	ng	0.00
76) Chrysene-d12	21.445	240	300142	20.000	ng	0.00
86) Perylene-d12	24.518	264	376110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	267885	82.461	ng	0.00
7) Phenol-d6	6.985	99	372333	82.367	ng	0.00
23) Nitrobenzene-d5	8.977	82	228637	52.606	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	179658	73.017	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	497580	49.673	ng	0.00
79) Terphenyl-d14	19.823	244	811775	50.861	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.250	178	136157	8.413	ng	99
75) Fluoranthene	19.259	202	170360	8.763	ng	98
78) Pyrene	19.624	202	145940	7.145	ng	96
81) Benzo(a)anthracene	21.427	228	57688	2.793	ng	98
83) Chrysene	21.492	228	64931	3.279	ng	98
88) Benzo(b)fluoranthene	23.548	252	74388	3.647	ng	98
90) Benzo(a)pyrene	24.365	252	51421	2.567	ng	97

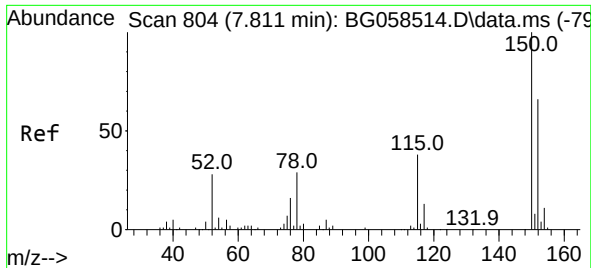
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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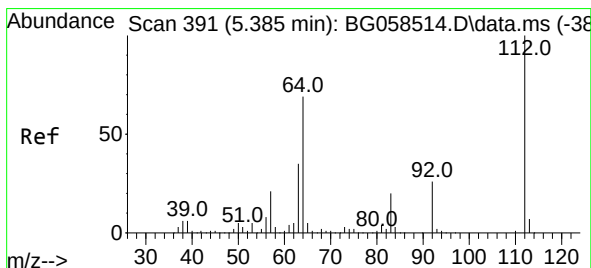
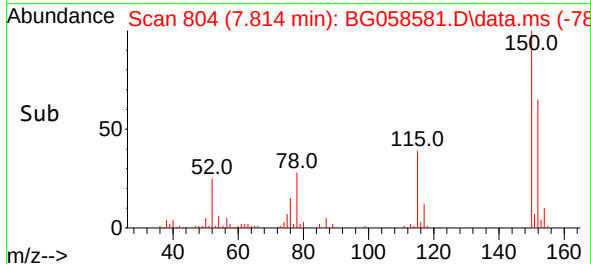
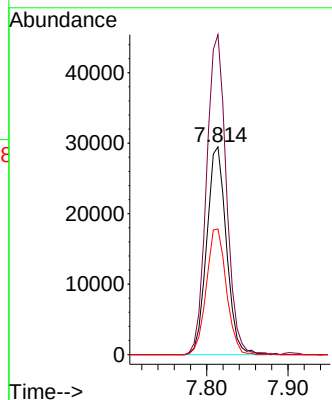
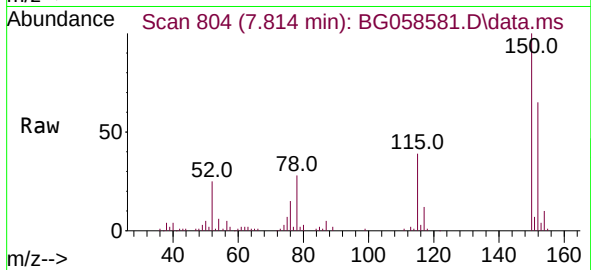




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

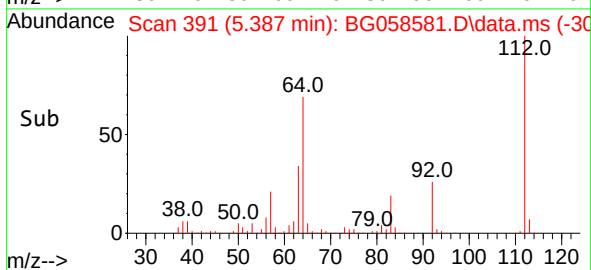
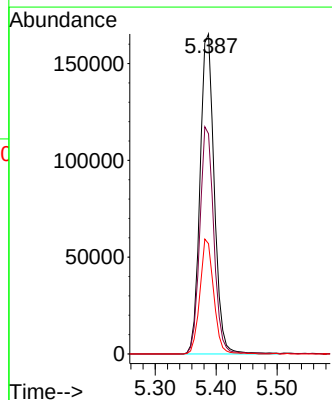
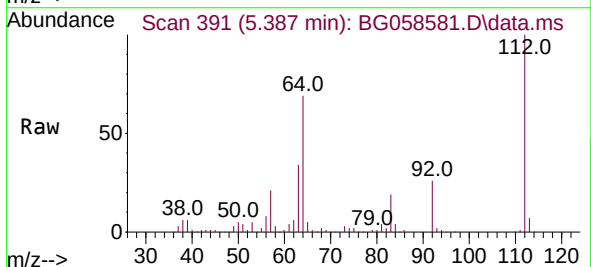
Instrument :
BNA_G
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SB-20-0-2-20230720

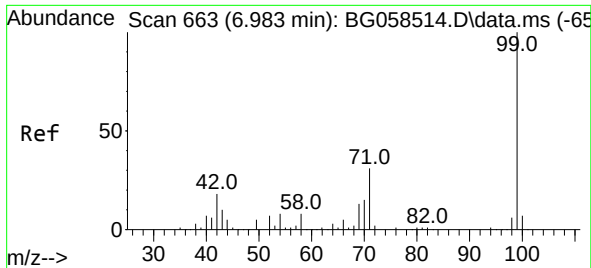
Tgt Ion:152 Resp: 49654
Ion Ratio Lower Upper
152 100
150 154.0 120.5 180.7
115 60.5 45.9 68.9



#5
2-Fluorophenol
Concen: 82.461 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:112 Resp: 267885
Ion Ratio Lower Upper
112 100
64 68.8 55.3 82.9
63 34.4 28.3 42.5

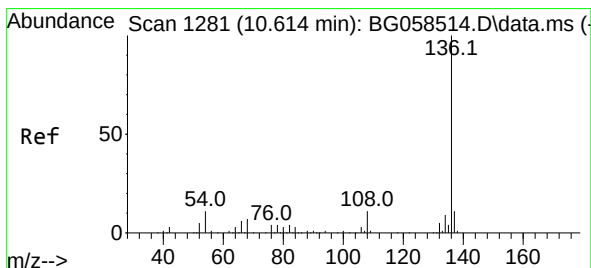
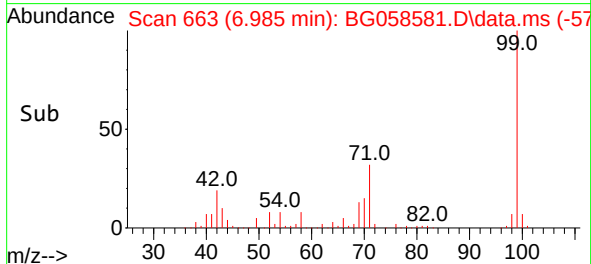
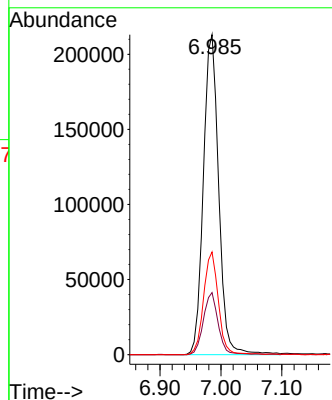
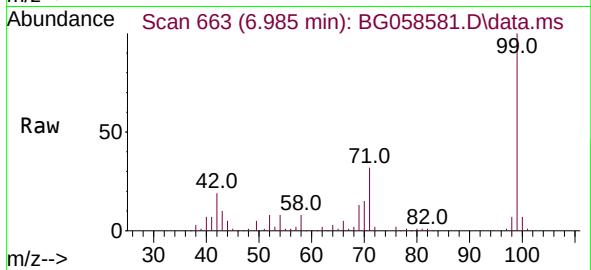




#7
Phenol-d6
Concen: 82.367 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

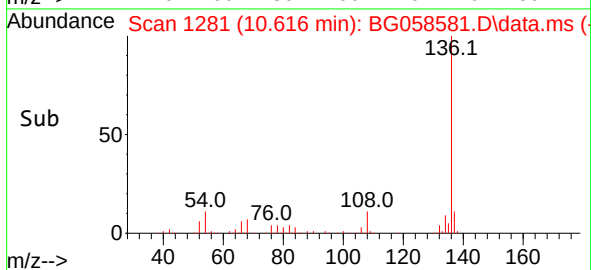
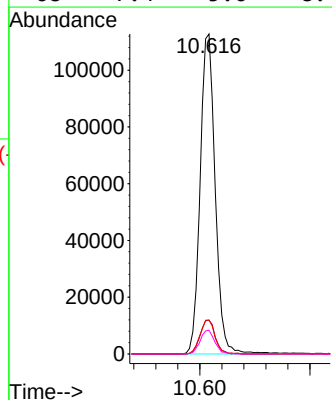
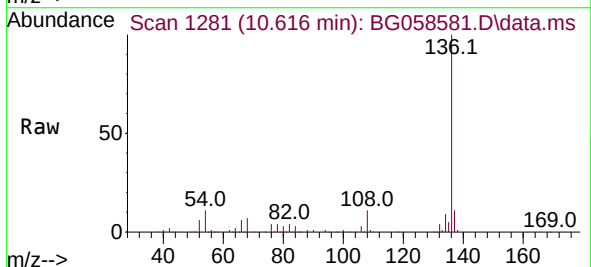
Instrument :
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ClientSampleId :
SB-20-0-2-20230720

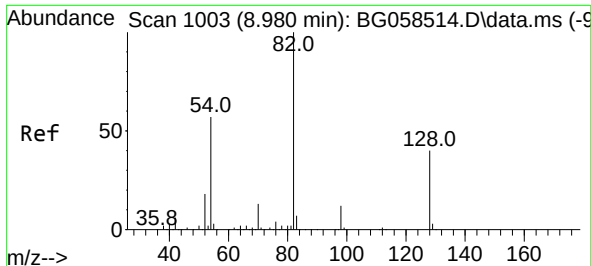
Tgt Ion: 99 Resp: 372333
Ion Ratio Lower Upper
99 100
42 19.4 14.6 21.8
71 32.1 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 1281
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:136 Resp: 213510
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 10.6 8.9 13.3
68 7.4 5.6 8.4

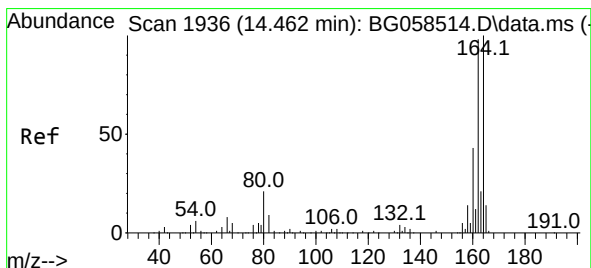
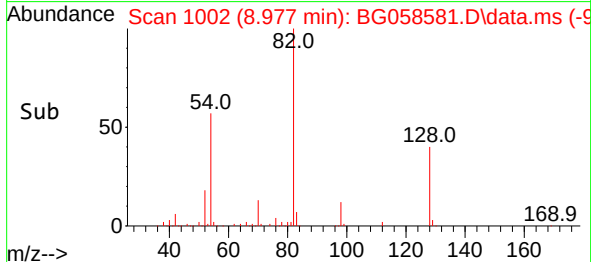
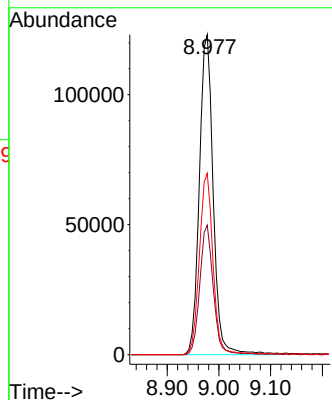
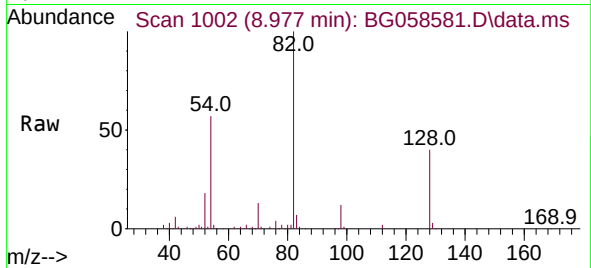




#23
Nitrobenzene-d5
Concen: 52.606 ng
RT: 8.977 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

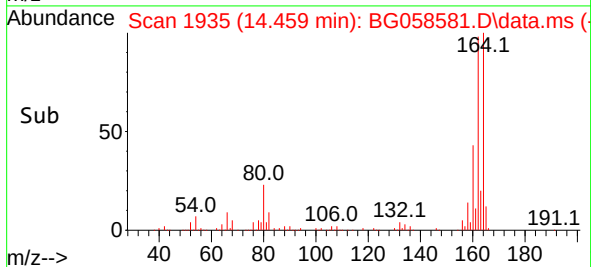
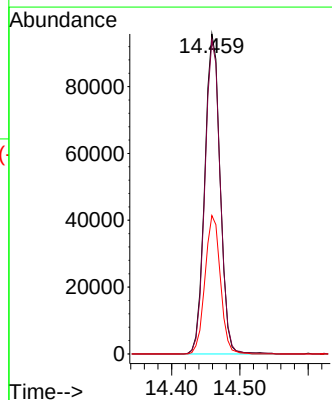
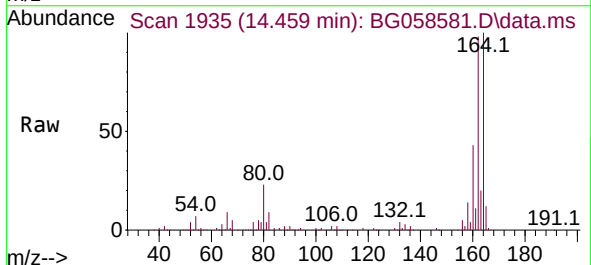
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

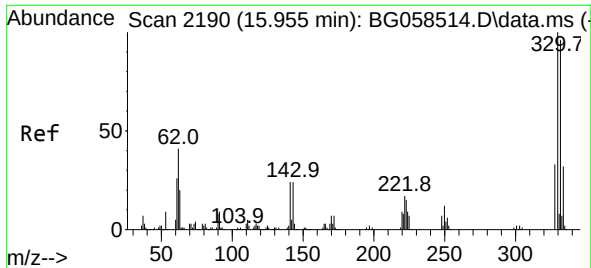
Tgt Ion: 82 Resp: 228637
Ion Ratio Lower Upper
82 100
128 40.5 32.2 48.2
54 56.6 46.0 69.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion: 164 Resp: 150116
Ion Ratio Lower Upper
164 100
162 98.1 78.3 117.5
160 43.2 34.1 51.1

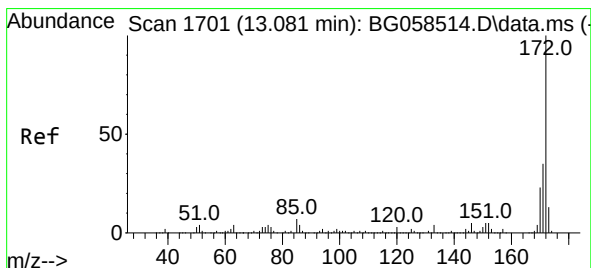
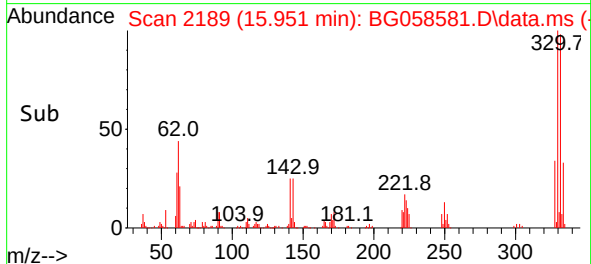
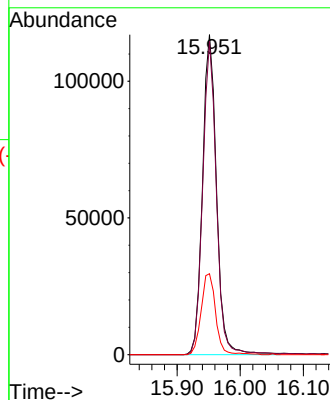
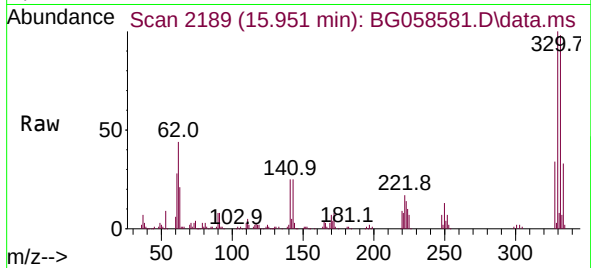




#42
 2,4,6-Tribromophenol
 Concen: 73.017 ng
 RT: 15.951 min Scan# 2190
 Delta R.T. -0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

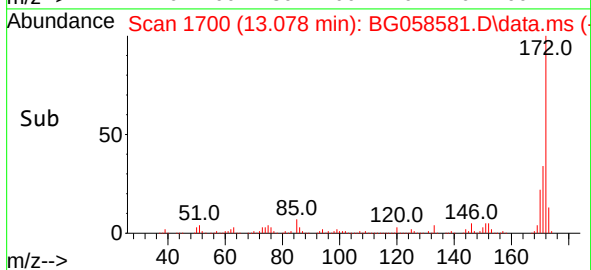
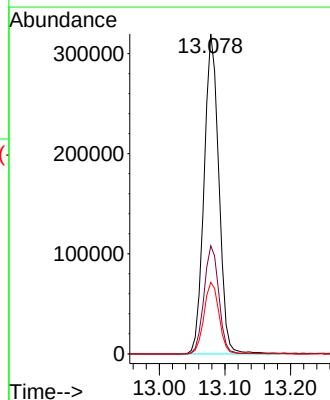
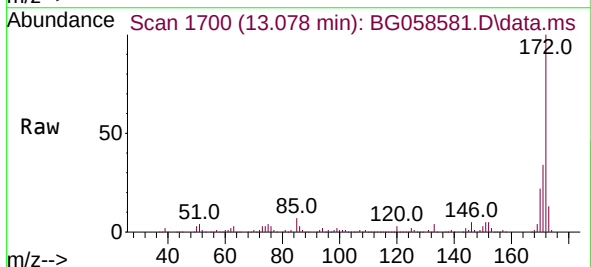
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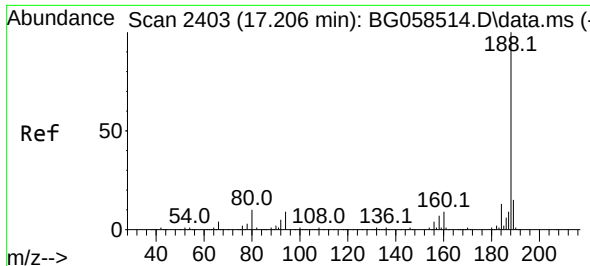
Tgt Ion:330 Resp: 179658
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.5 116.3
 141 26.2 20.7 31.1



#45
 2-Fluorobiphenyl
 Concen: 49.673 ng
 RT: 13.078 min Scan# 1700
 Delta R.T. -0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

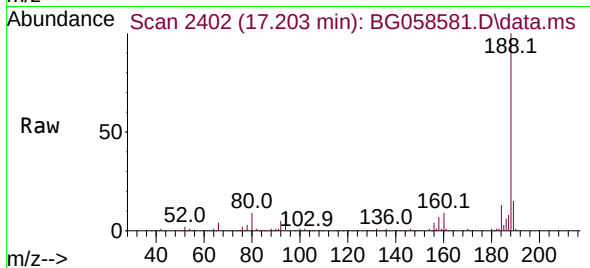
Tgt Ion:172 Resp: 497580
 Ion Ratio Lower Upper
 172 100
 171 33.8 28.0 42.0
 170 22.4 18.4 27.6



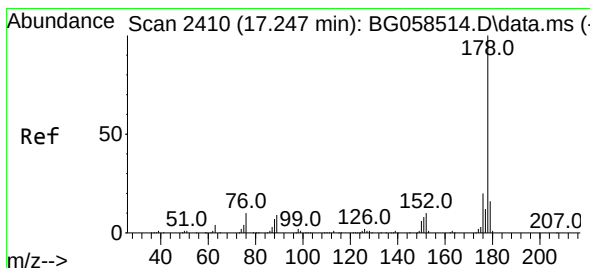
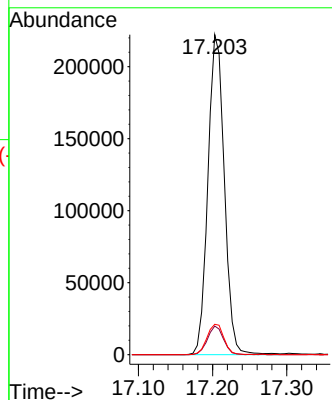
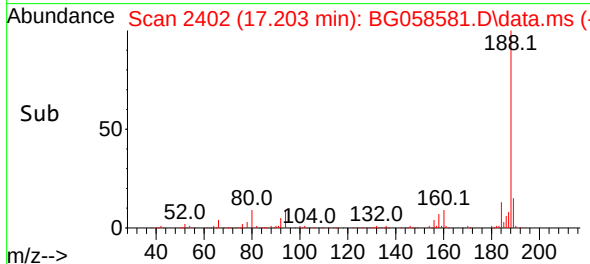


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

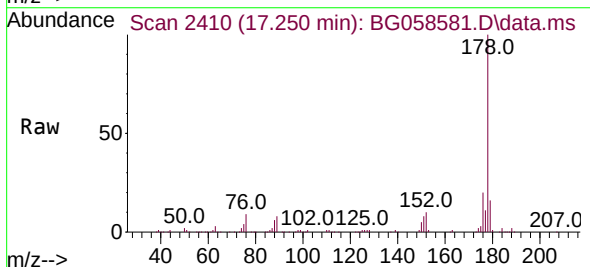
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SB-20-0-2-20230720



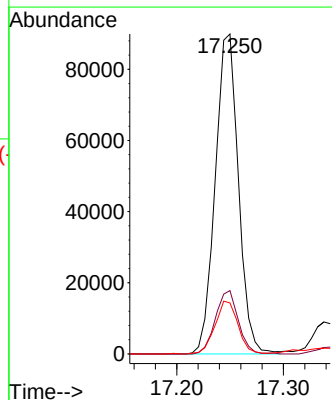
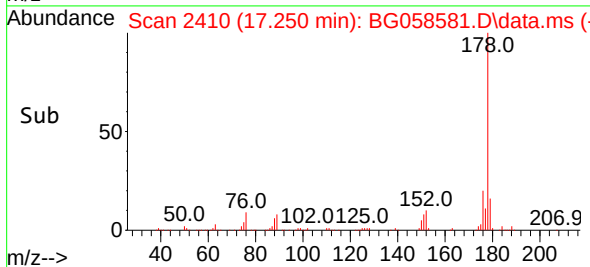
Tgt Ion:188 Resp: 341278
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.5 8.1 12.1

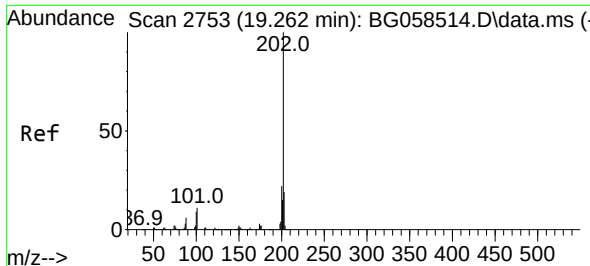


#71
Phenanthrene
Concen: 8.413 ng
RT: 17.250 min Scan# 2410
Delta R.T. 0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47



Tgt Ion:178 Resp: 136157
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.9 13.1 19.7

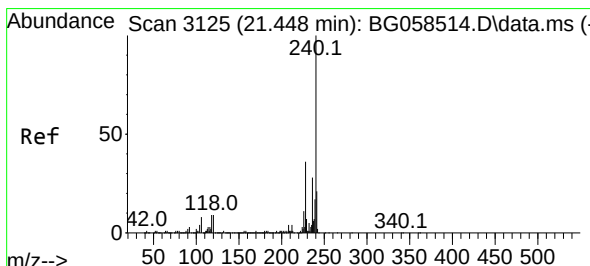
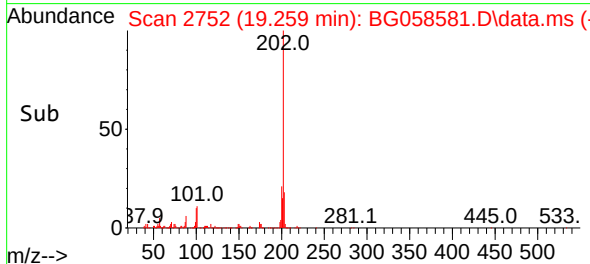
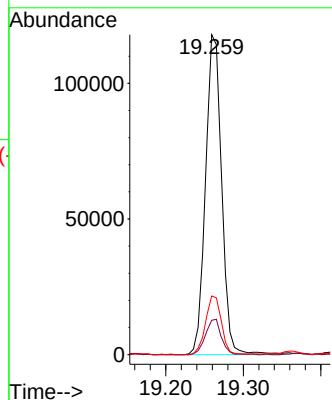
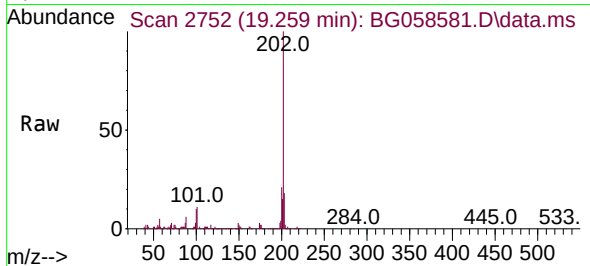




#75
Fluoranthene
Concen: 8.763 ng
RT: 19.259 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

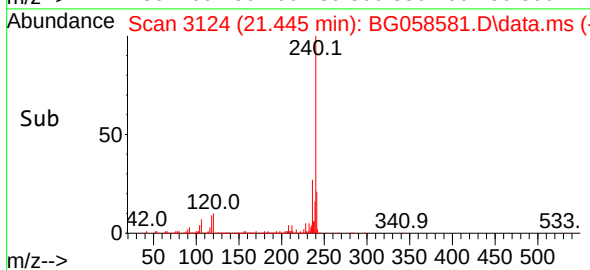
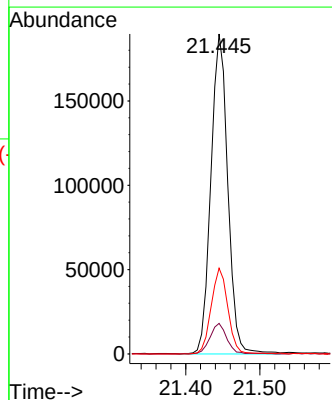
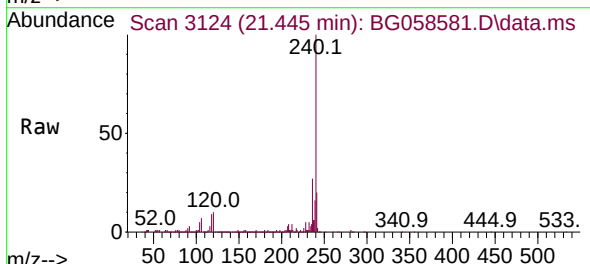
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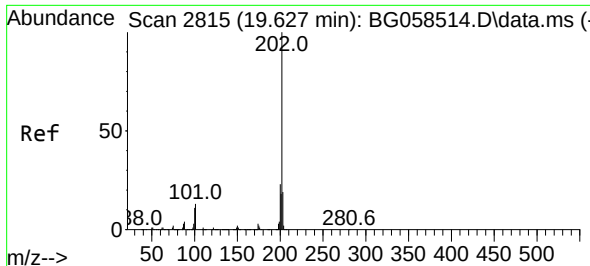
Tgt Ion:202 Resp: 170360
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 18.3 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:240 Resp: 300142
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.8 22.2 33.4

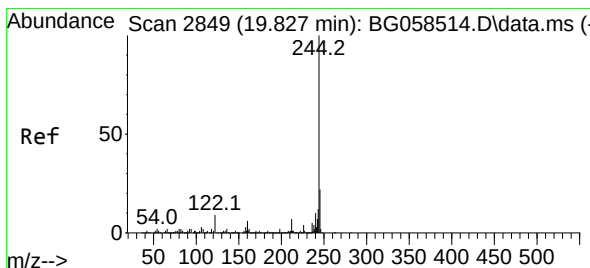
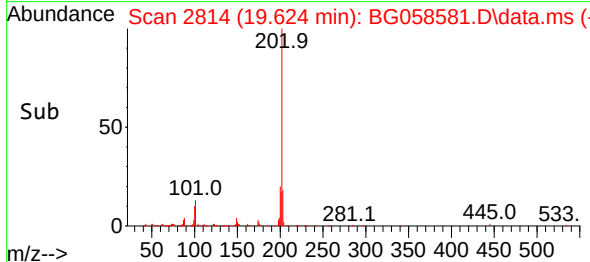
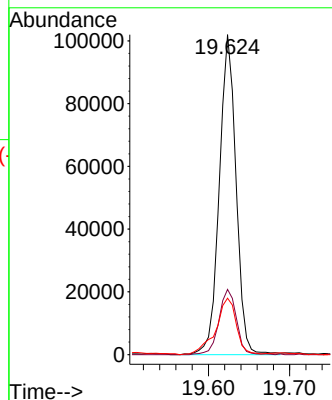
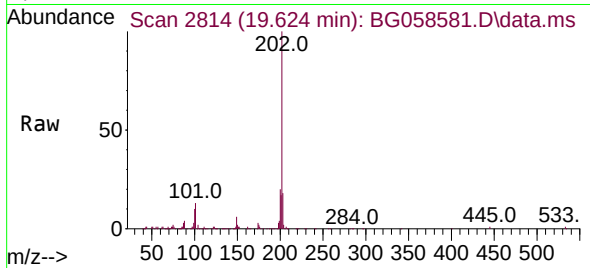




#78
 Pyrene
 Concen: 7.145 ng
 RT: 19.624 min Scan# 2815
 Delta R.T. -0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

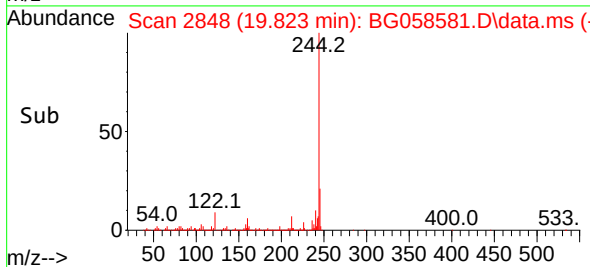
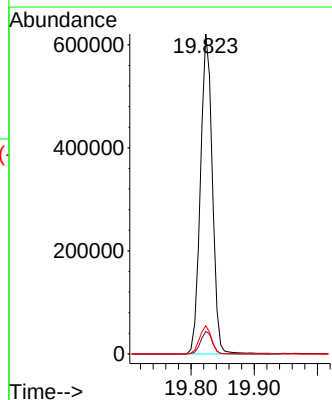
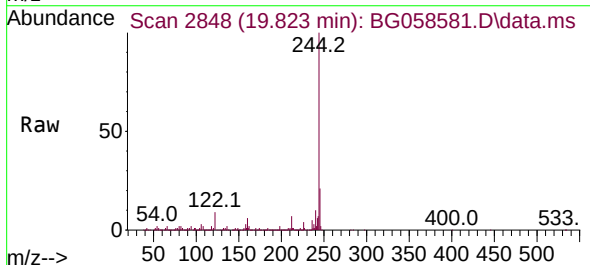
Instrument :
 BNA_G
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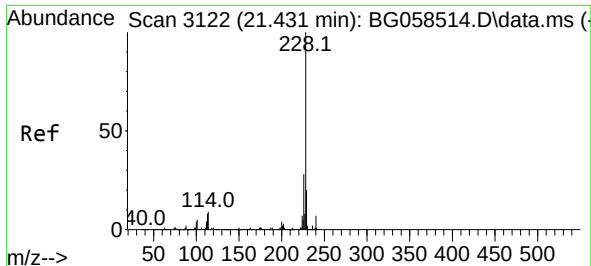
Tgt Ion:202 Resp: 145940
 Ion Ratio Lower Upper
 202 100
 200 20.4 18.2 27.2
 203 17.6 15.1 22.7



#79
 Terphenyl-d14
 Concen: 50.861 ng
 RT: 19.823 min Scan# 2848
 Delta R.T. -0.003 min
 Lab File: BG058581.D
 Acq: 2 Aug 2023 16:47

Tgt Ion:244 Resp: 811775
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.8 6.8 10.2

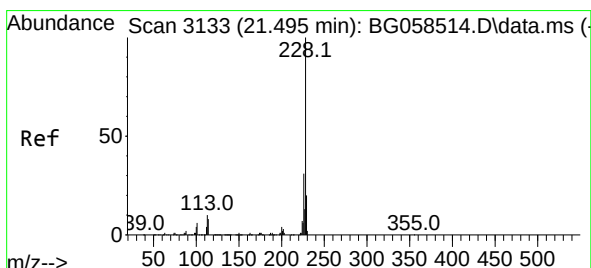
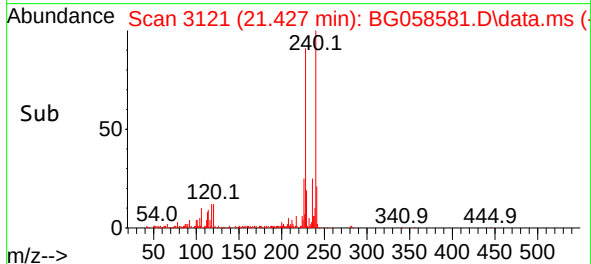
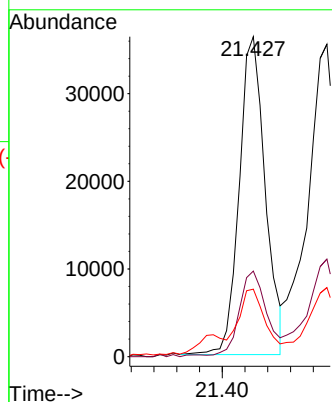
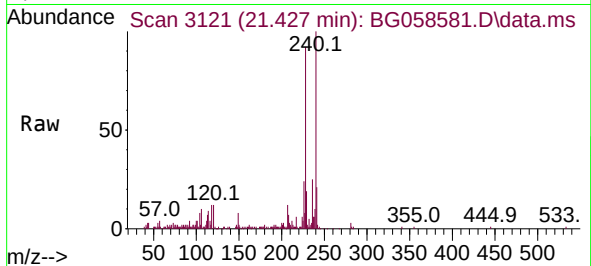




#81
Benzo(a)anthracene
Concen: 2.793 ng
RT: 21.427 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

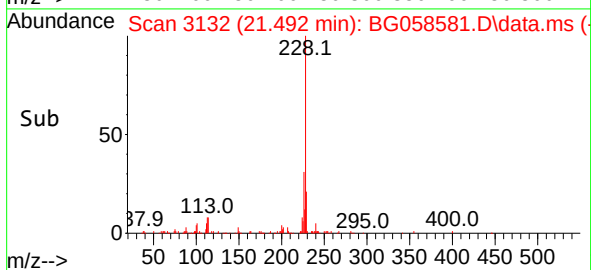
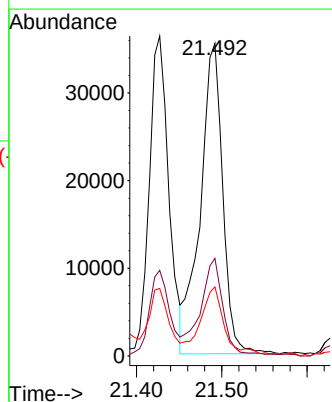
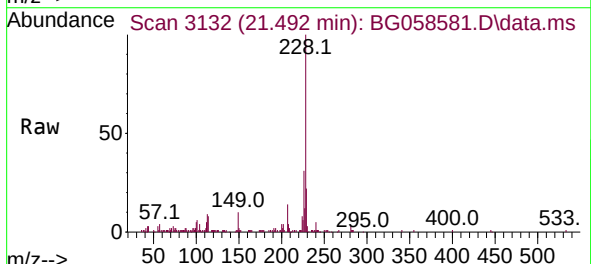
Instrument :
BNA_G
ClientSampleId :
SB-20-0-2-20230720

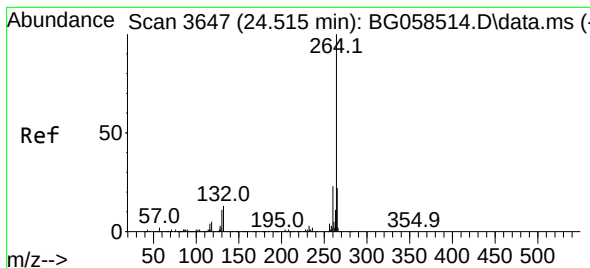
Tgt Ion:228 Resp: 57688
Ion Ratio Lower Upper
228 100
226 26.7 22.6 33.8
229 21.1 16.3 24.5



#83
Chrysene
Concen: 3.279 ng
RT: 21.492 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG058581.D
Acq: 2 Aug 2023 16:47

Tgt Ion:228 Resp: 64931
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.518 min Scan# 3647

Delta R.T. 0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

Instrument :

BNA_G

ClientSampleId :

SB-20-0-2-20230720

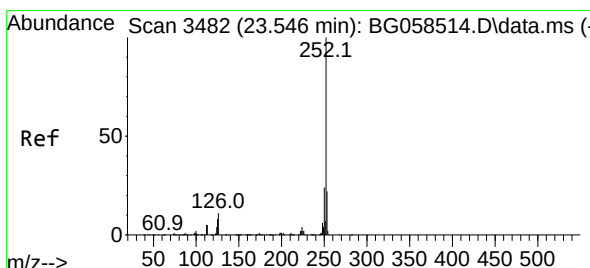
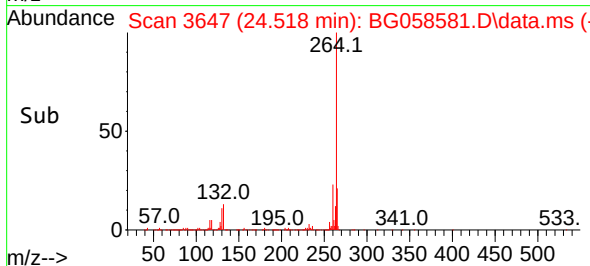
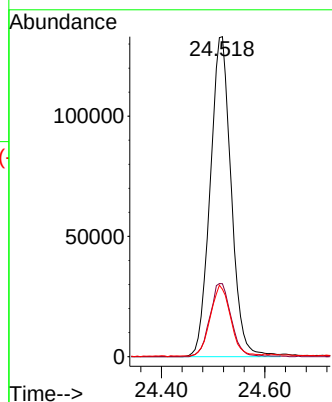
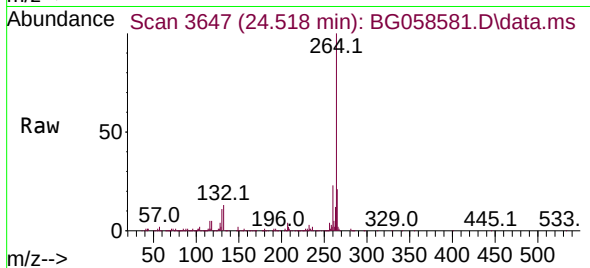
Tgt Ion:264 Resp: 376110

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 21.0 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 3.647 ng

RT: 23.548 min Scan# 3482

Delta R.T. 0.003 min

Lab File: BG058581.D

Acq: 2 Aug 2023 16:47

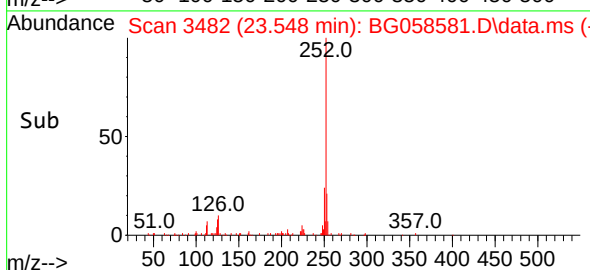
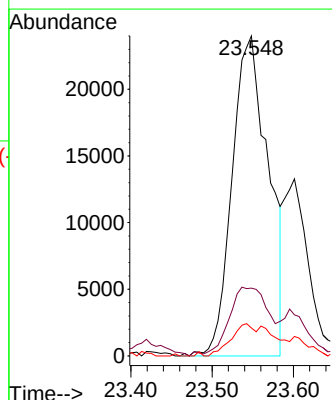
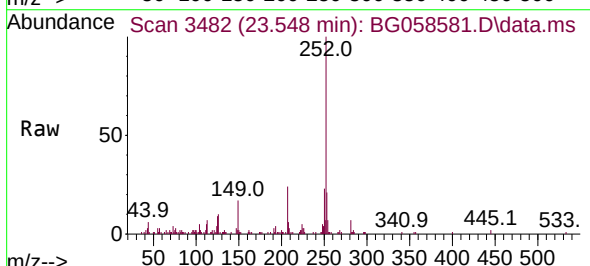
Tgt Ion:252 Resp: 74388

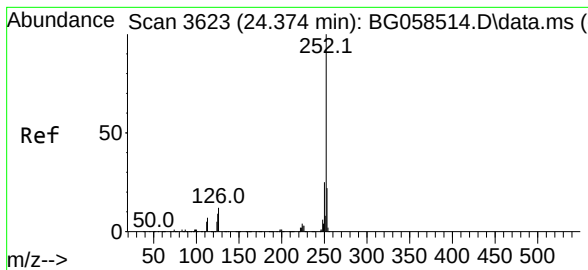
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 8.7 6.6 9.8





#90

Benzo(a)pyrene

Concen: 2.567 ng

RT: 24.365 min Scan# 30

Delta R.T. -0.009 min

Lab File: BG058581.D

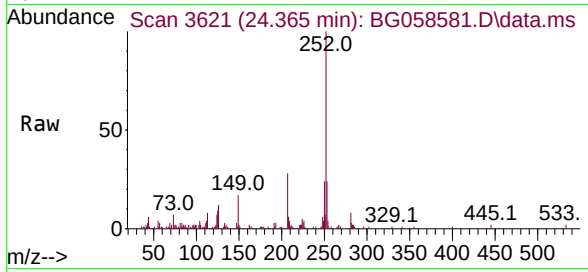
Acq: 2 Aug 2023 16:47

Instrument :

BNA_G

ClientSampleId :

SB-20-0-2-20230720



Tgt Ion:252 Resp: 51421

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 9.4 7.4 11.2

