

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG123022\
 Data File : BG056179.D
 Acq On : 30 Dec 2022 20:39
 Operator : CG/JU
 Sample : N6235-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-122922

Quant Time: Dec 31 00:20:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 05:20:14 2022
 Response via : Initial Calibration

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

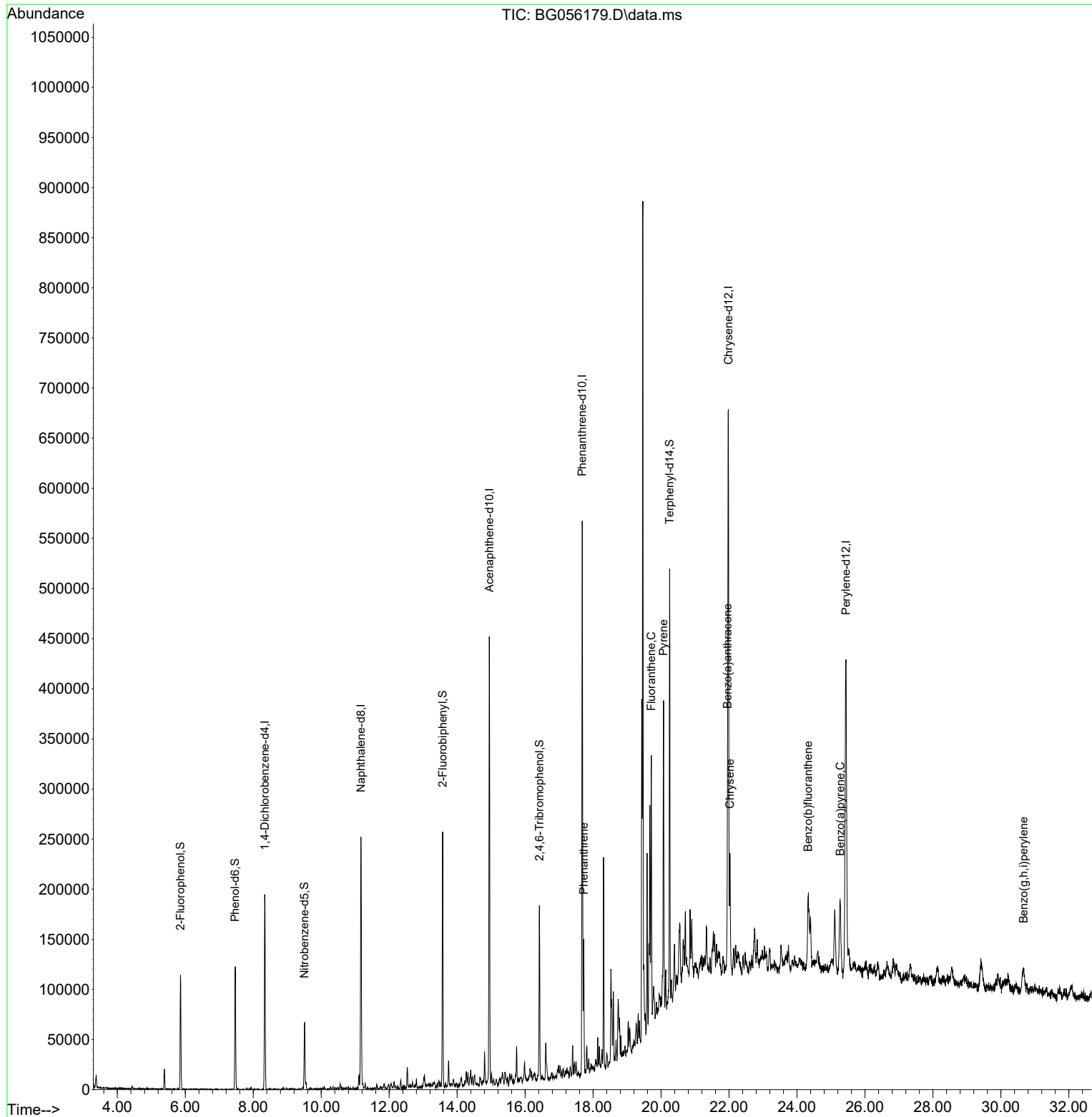
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	64555	20.000	ng	0.00
21) Naphthalene-d8	11.168	136	228780	20.000	ng	0.00
39) Acenaphthene-d10	14.946	164	170666	20.000	ng	0.00
64) Phenanthrene-d10	17.678	188	395700	20.000	ng	0.00
76) Chrysene-d12	21.979	240	372519	20.000	ng	0.00
86) Perylene-d12	25.439	264	405064	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.856	112	66239	18.321	ng	0.00
7) Phenol-d6	7.466	99	94668	17.050	ng	0.00
23) Nitrobenzene-d5	9.505	82	47693	10.663	ng	0.00
42) 2,4,6-Tribromophenol	16.420	330	34054	15.755	ng	0.00
45) 2-Fluorobiphenyl	13.571	172	142660	11.543	ng	0.00
79) Terphenyl-d14	20.251	244	228817	11.001	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.725	178	94382	4.603	ng	99
75) Fluoranthene	19.711	202	171376	6.407	ng	98
78) Pyrene	20.069	202	216568	8.248	ng	99
81) Benzo(a)anthracene	21.955	228	98802	3.776	ng	96
83) Chrysene	22.026	228	99257	4.050	ng	97
88) Benzo(b)fluoranthene	24.329	252	117013	4.547	ng	95
90) Benzo(a)pyrene	25.269	252	96879	3.859	ng	99
92) Benzo(g,h,i)perylene	30.663	276	59848	2.499	ng	# 92

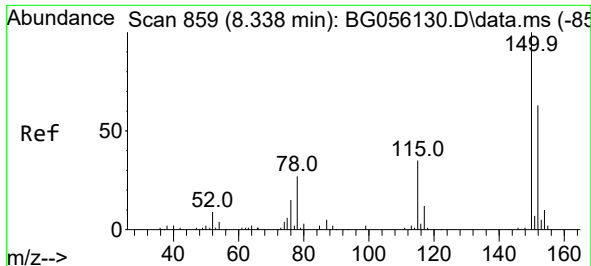
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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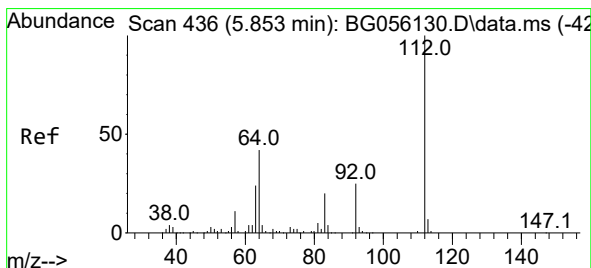
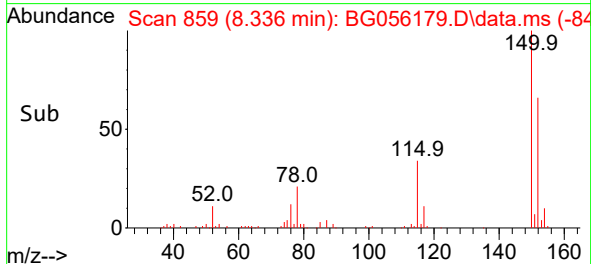
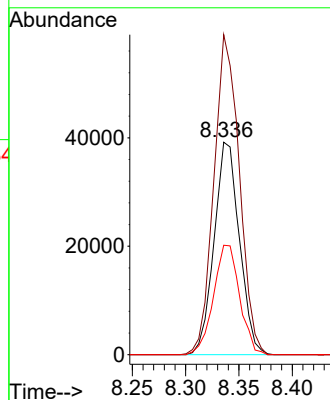
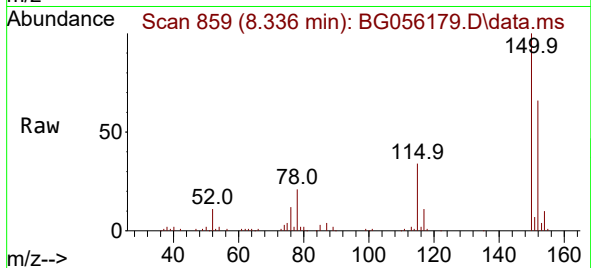




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

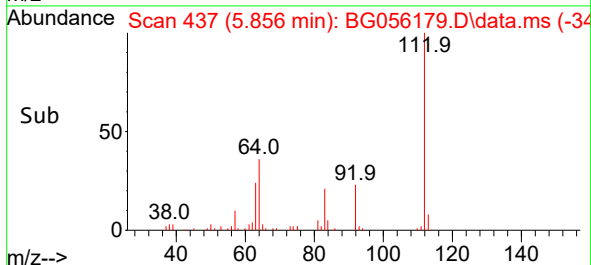
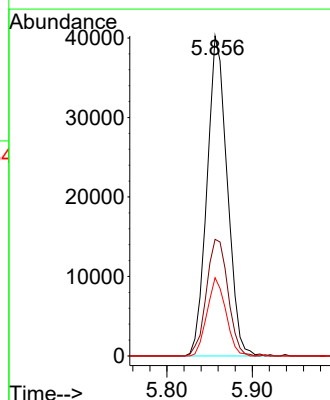
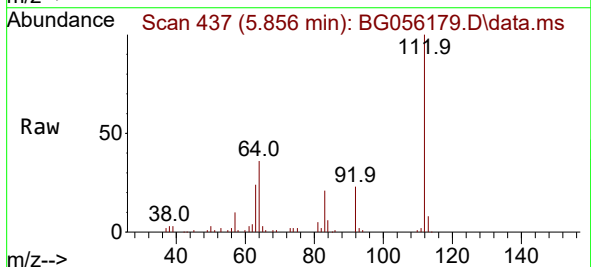
Instrument :
BNA_G
ClientSampleId :
OR-2-122922

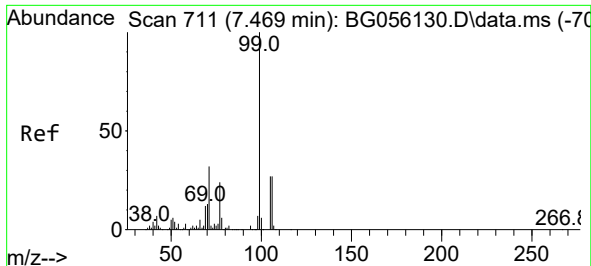
Tgt Ion:152 Resp: 64555
Ion Ratio Lower Upper
152 100
150 150.6 127.9 191.9
115 51.5 44.2 66.2



#5
2-Fluorophenol
Concen: 18.321 ng
RT: 5.856 min Scan# 437
Delta R.T. 0.003 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

Tgt Ion:112 Resp: 66239
Ion Ratio Lower Upper
112 100
64 36.4 33.3 49.9
63 24.5 19.0 28.4

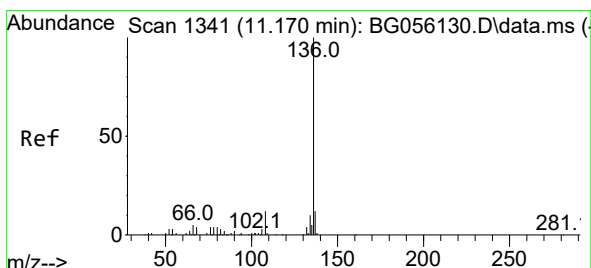
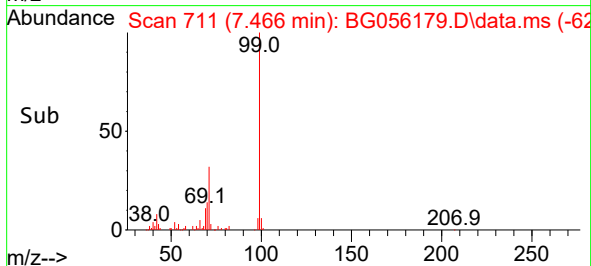
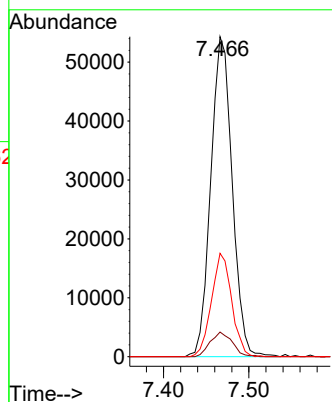
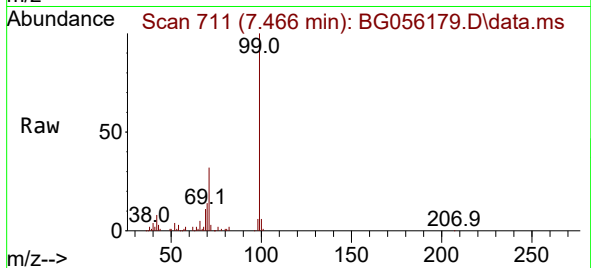




#7
Phenol-d6
Concen: 17.050 ng
RT: 7.466 min Scan# 711
Delta R.T. -0.002 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

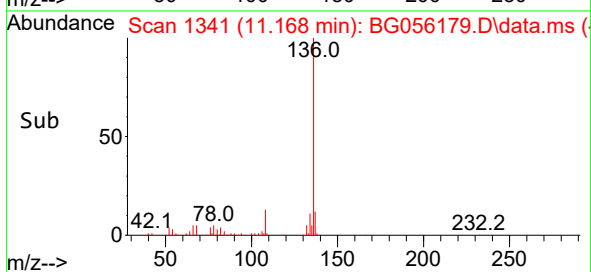
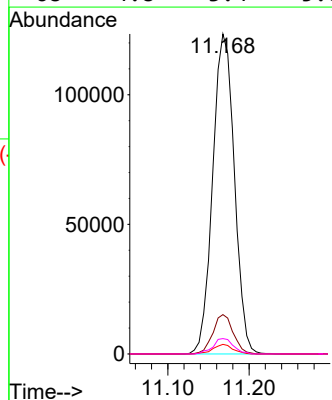
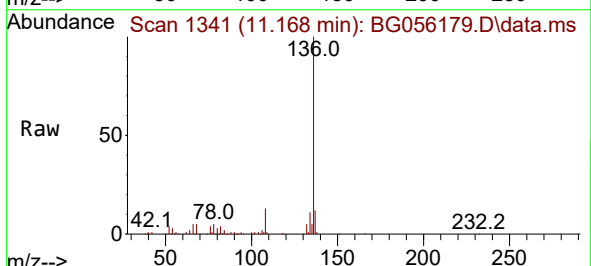
Instrument :
BNA_G
ClientSampleId :
OR-2-122922

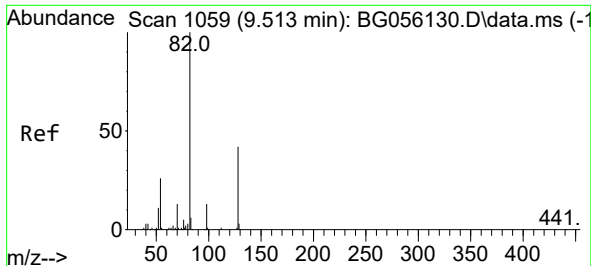
Tgt Ion: 99 Resp: 94668
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 32.3 25.4 38.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.168 min Scan# 1341
Delta R.T. -0.002 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

Tgt Ion:136 Resp: 228780
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.0
54 3.0 2.2 3.2
68 4.8 3.4 5.0





#23

Nitrobenzene-d5

Concen: 10.663 ng

RT: 9.505 min Scan# 1058

Delta R.T. -0.008 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

Instrument :

BNA_G

ClientSampleId :

OR-2-122922

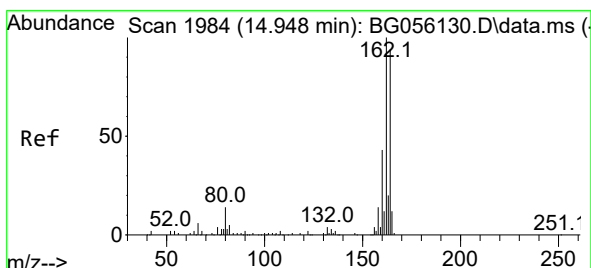
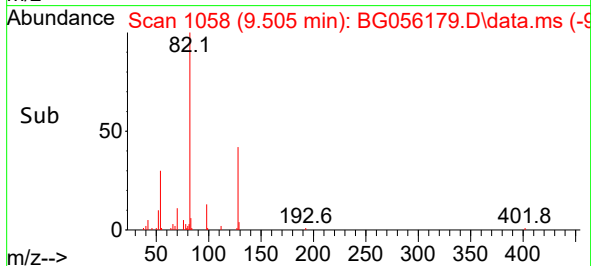
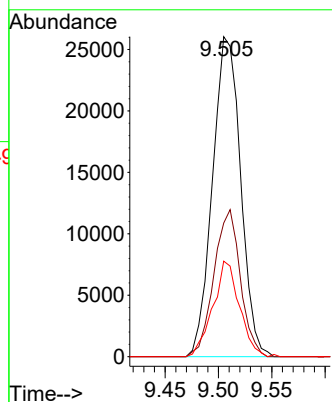
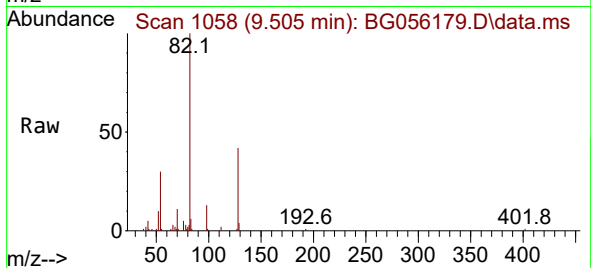
Tgt Ion: 82 Resp: 47693

Ion Ratio Lower Upper

82 100

128 41.8 33.4 50.2

54 29.8 20.3 30.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.946 min Scan# 1984

Delta R.T. -0.002 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

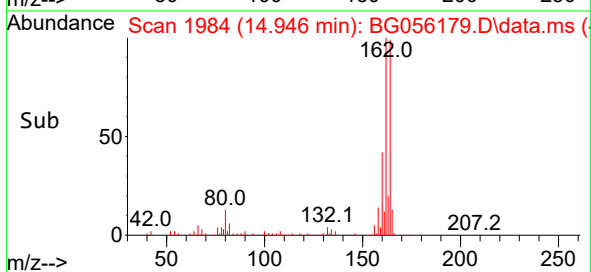
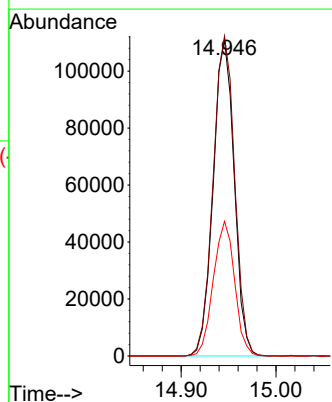
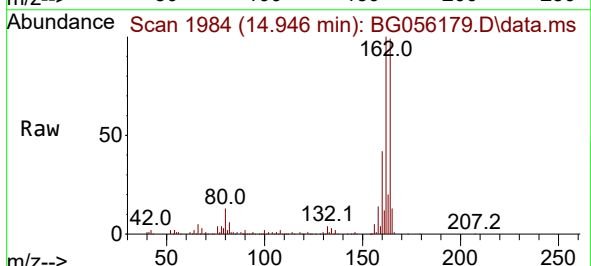
Tgt Ion:164 Resp: 170666

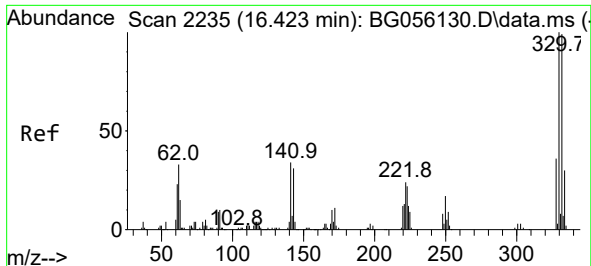
Ion Ratio Lower Upper

164 100

162 101.2 84.7 127.1

160 42.6 36.3 54.5

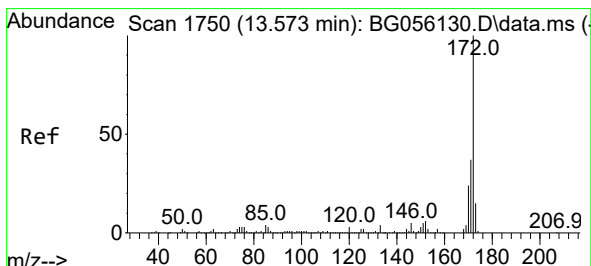
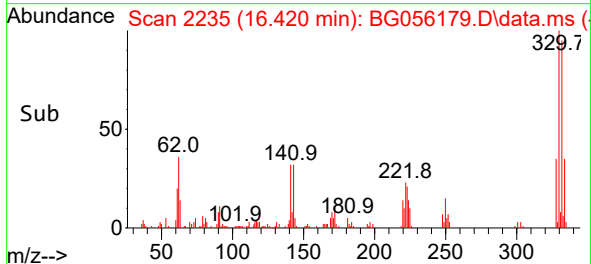
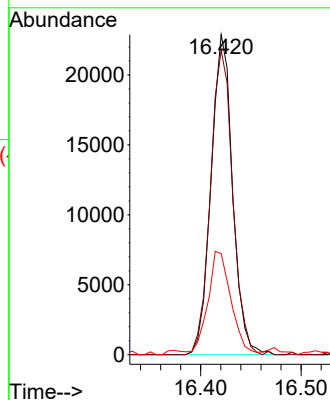
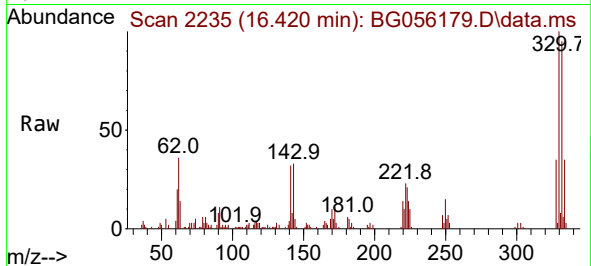




#42
 2,4,6-Tribromophenol
 Concen: 15.755 ng
 RT: 16.420 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG056179.D
 Acq: 30 Dec 2022 20:39

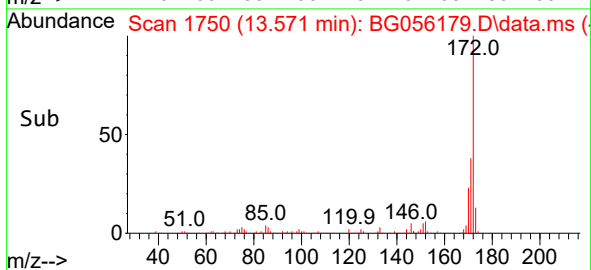
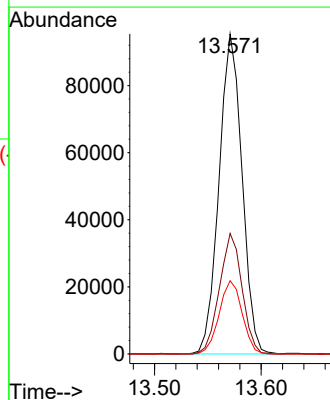
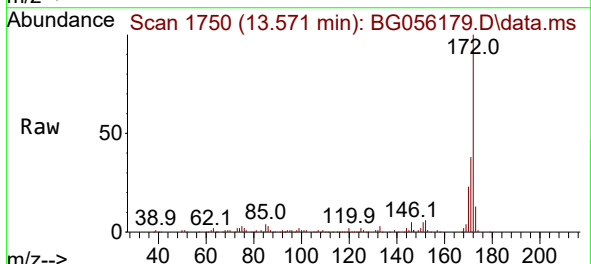
Instrument :
 BNA_G
 ClientSampleId :
 OR-2-122922

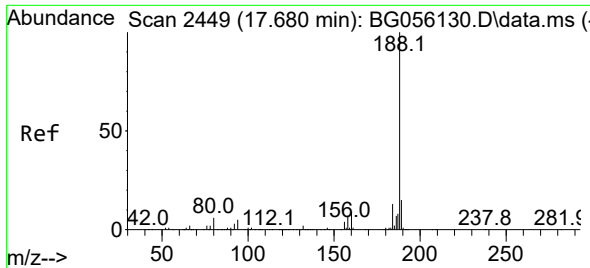
Tgt Ion:330 Resp: 34054
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.3 115.9
 141 34.8 27.9 41.9



#45
 2-Fluorobiphenyl
 Concen: 11.543 ng
 RT: 13.571 min Scan# 1750
 Delta R.T. -0.002 min
 Lab File: BG056179.D
 Acq: 30 Dec 2022 20:39

Tgt Ion:172 Resp: 142660
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.6 44.4
 170 22.9 19.4 29.2

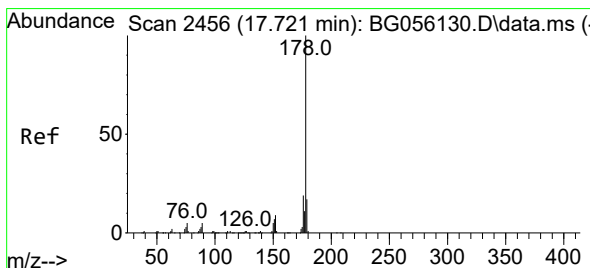
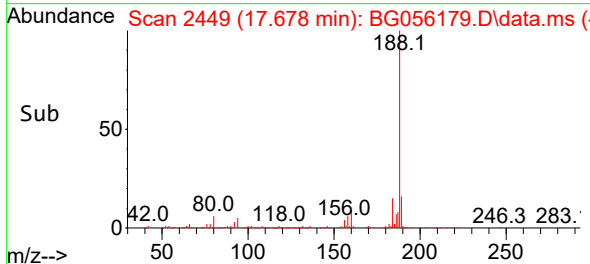
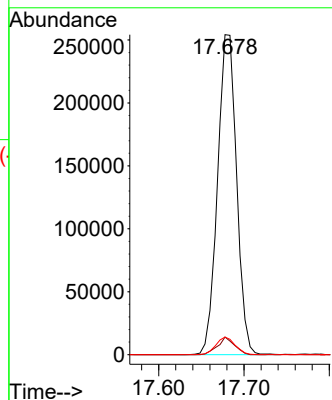
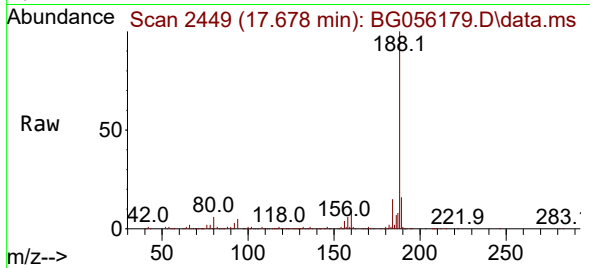




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.678 min Scan# 2449
Delta R.T. -0.002 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

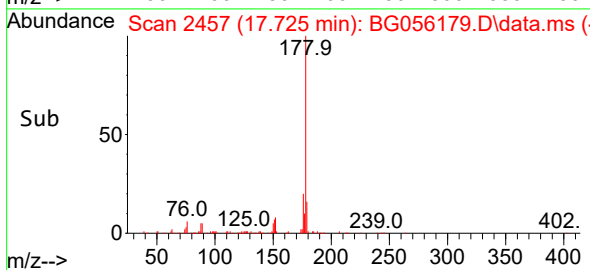
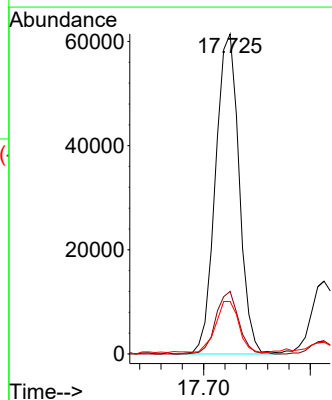
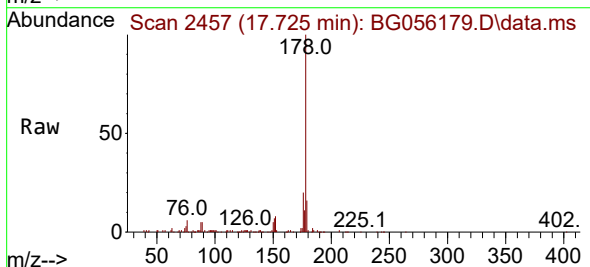
Instrument :
BNA_G
ClientSampleId :
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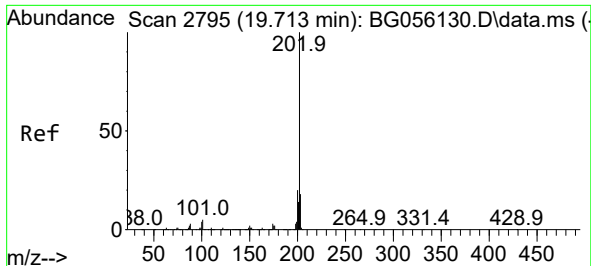
Tgt Ion:188 Resp: 395700
Ion Ratio Lower Upper
188 100
94 5.5 4.2 6.2
80 5.5 5.0 7.4



#71
Phenanthrene
Concen: 4.603 ng
RT: 17.725 min Scan# 2457
Delta R.T. 0.003 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

Tgt Ion:178 Resp: 94382
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 16.4 13.6 20.4

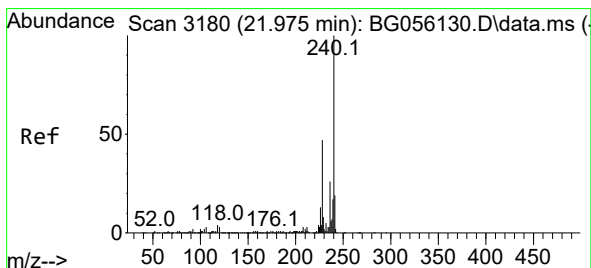
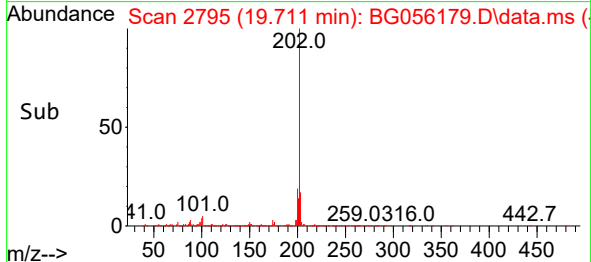
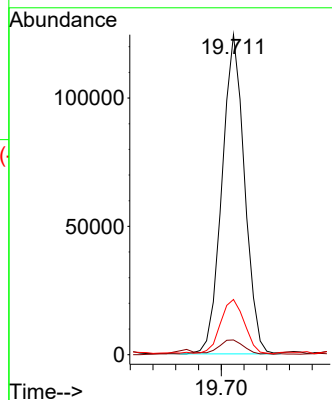
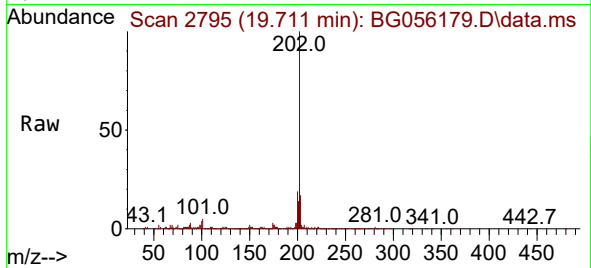




#75
Fluoranthene
Concen: 6.407 ng
RT: 19.711 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

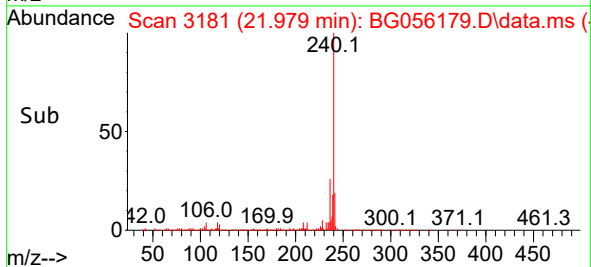
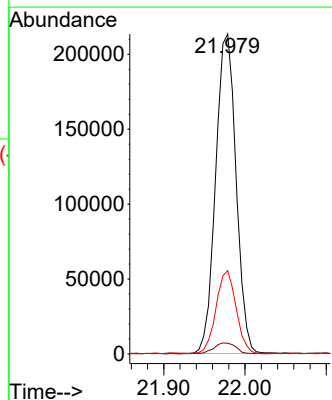
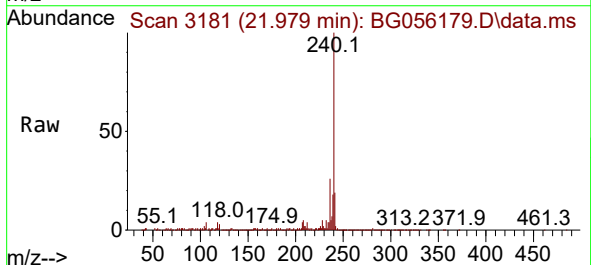
Instrument :
BNA_G
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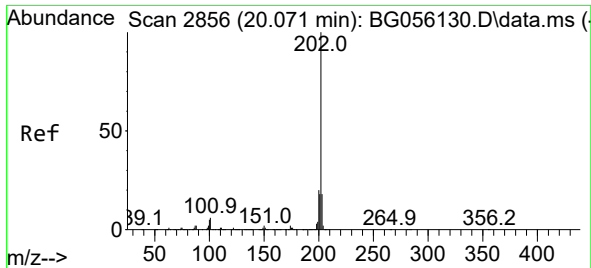
Tgt Ion:202 Resp: 171376
Ion Ratio Lower Upper
202 100
101 4.6 0.0 25.0
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.979 min Scan# 3181
Delta R.T. 0.003 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

Tgt Ion:240 Resp: 372519
Ion Ratio Lower Upper
240 100
120 3.3 2.6 4.0
236 26.0 20.8 31.2

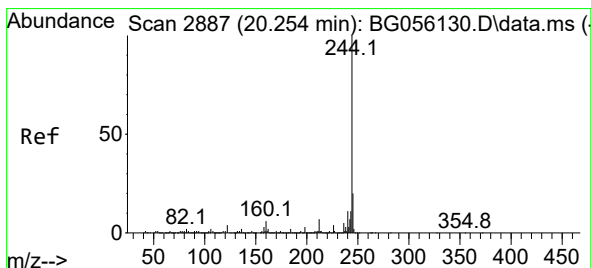
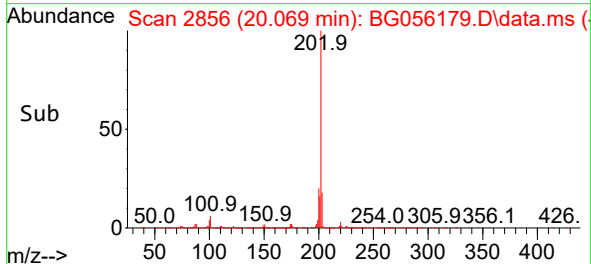
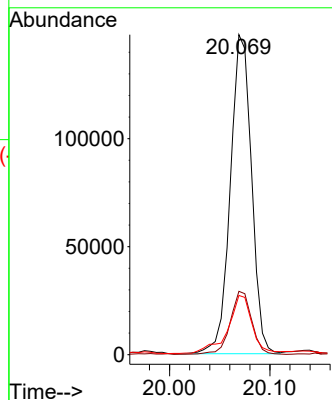
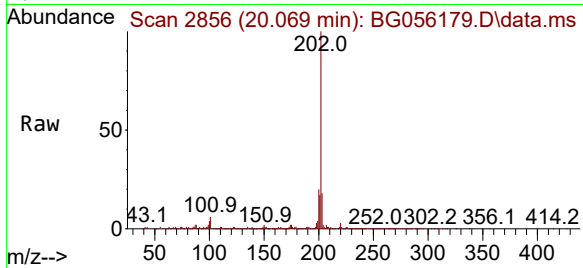




#78
 Pyrene
 Concen: 8.248 ng
 RT: 20.069 min Scan# 2856
 Delta R.T. -0.002 min
 Lab File: BG056179.D
 Acq: 30 Dec 2022 20:39

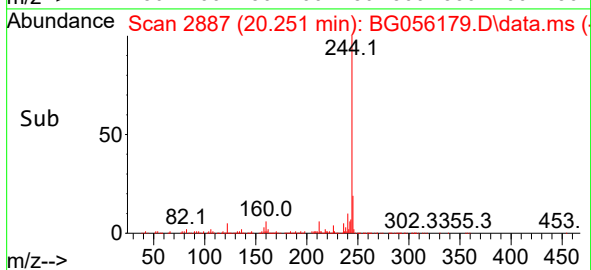
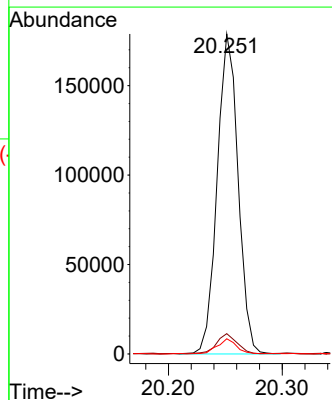
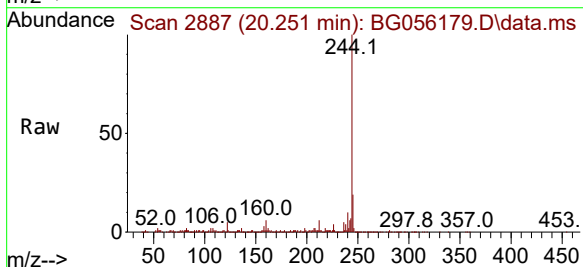
Instrument :
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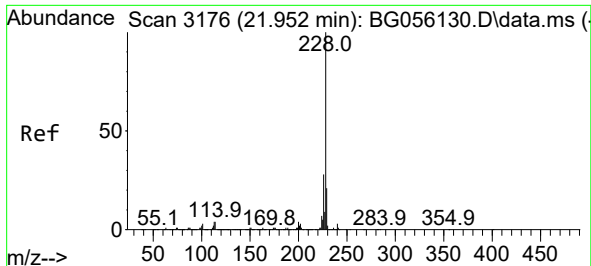
Tgt Ion:	202	Resp:	216568
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.4	24.6
203	18.5	14.3	21.5



#79
 Terphenyl-d14
 Concen: 11.001 ng
 RT: 20.251 min Scan# 2887
 Delta R.T. -0.002 min
 Lab File: BG056179.D
 Acq: 30 Dec 2022 20:39

Tgt Ion:	244	Resp:	228817
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.7	8.5
122	4.7	3.5	5.3

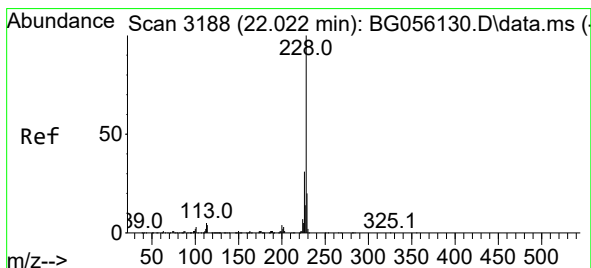
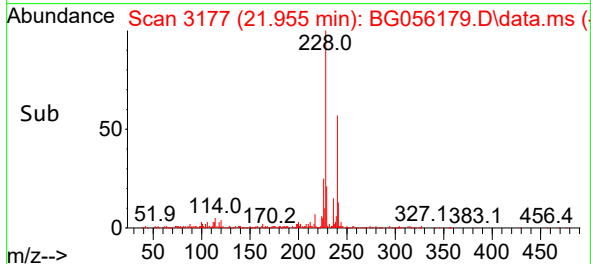
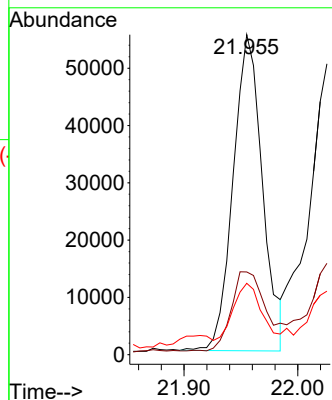
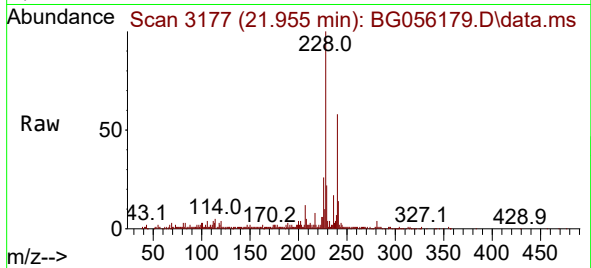




#81
Benzo(a)anthracene
Concen: 3.776 ng
RT: 21.955 min Scan# 3176
Delta R.T. 0.003 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

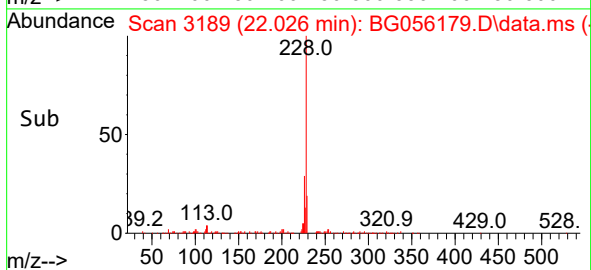
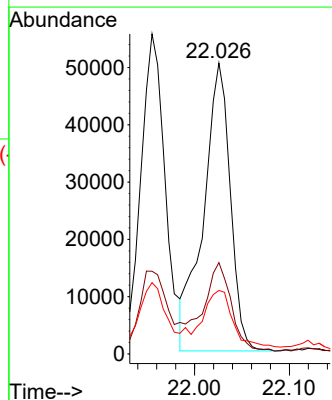
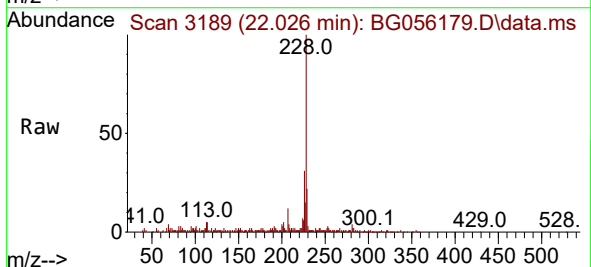
Instrument :
BNA_G
ClientSampleId :
OR-2-122922

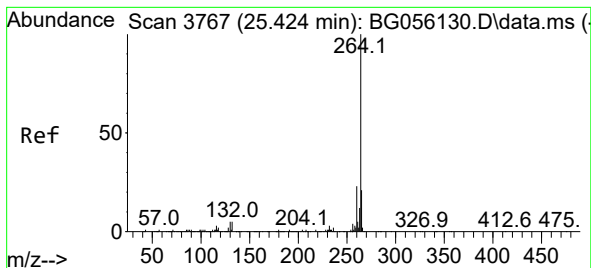
Tgt Ion:228 Resp: 98802
Ion Ratio Lower Upper
228 100
226 25.9 22.6 34.0
229 22.3 16.9 25.3



#83
Chrysene
Concen: 4.050 ng
RT: 22.026 min Scan# 3189
Delta R.T. 0.003 min
Lab File: BG056179.D
Acq: 30 Dec 2022 20:39

Tgt Ion:228 Resp: 99257
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 21.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.439 min Scan# 31

Delta R.T. 0.015 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

Instrument :

BNA_G

ClientSampleId :

OR-2-122922

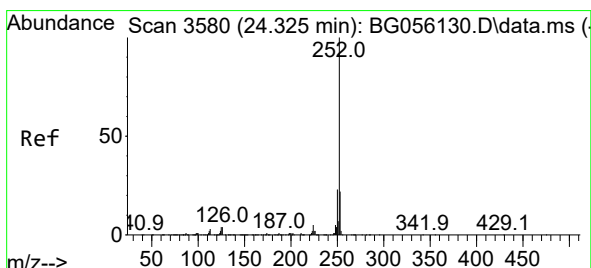
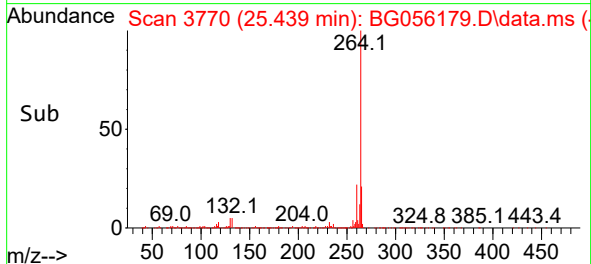
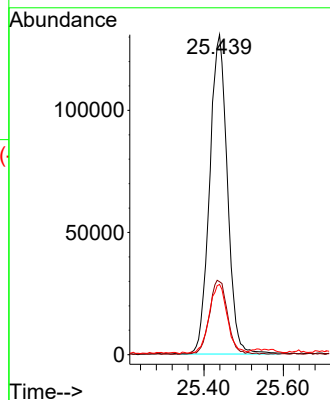
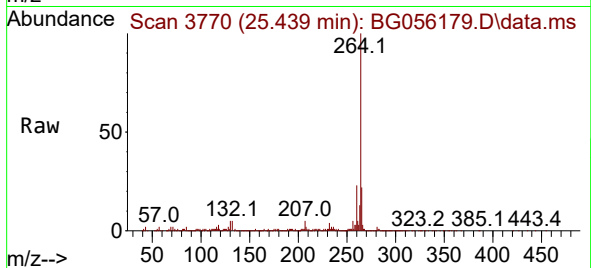
Tgt Ion:264 Resp: 405064

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 22.0 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.547 ng

RT: 24.329 min Scan# 3581

Delta R.T. 0.003 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

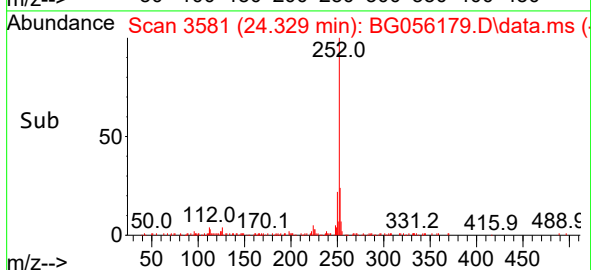
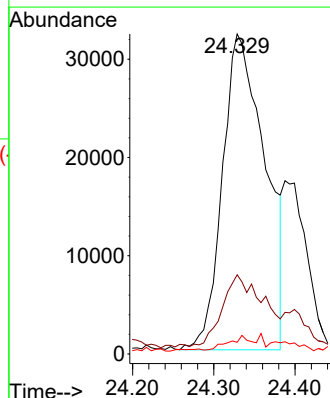
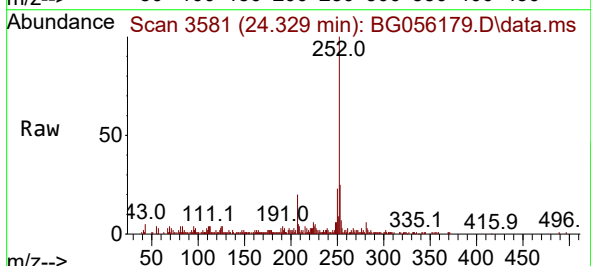
Tgt Ion:252 Resp: 117013

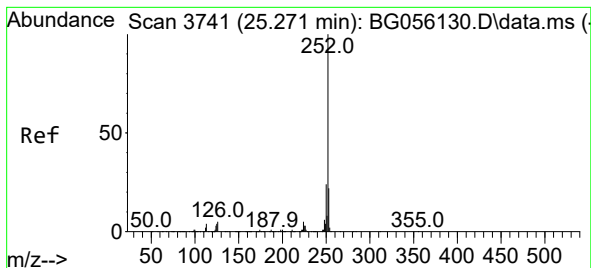
Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 3.7 3.0 4.4





#90

Benzo(a)pyrene

Concen: 3.859 ng

RT: 25.269 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

Instrument :

BNA_G

ClientSampleId :

OR-2-122922

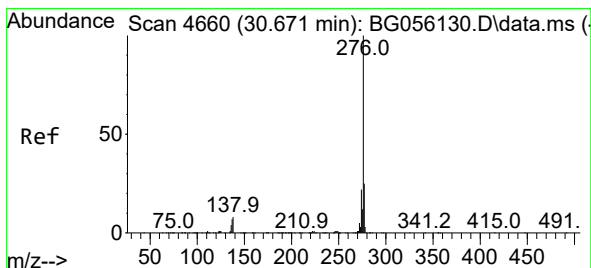
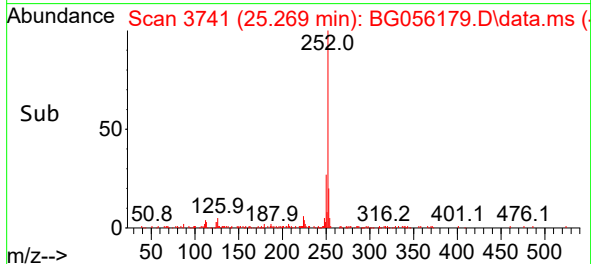
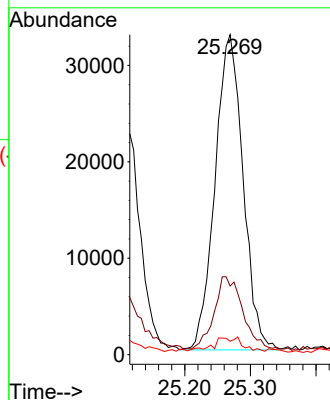
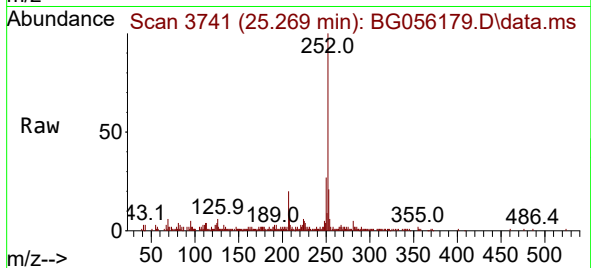
Tgt Ion:252 Resp: 96879

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 4.2 3.2 4.8



#92

Benzo(g,h,i)perylene

Concen: 2.499 ng

RT: 30.663 min Scan# 4659

Delta R.T. -0.008 min

Lab File: BG056179.D

Acq: 30 Dec 2022 20:39

Tgt Ion:276 Resp: 59848

Ion Ratio Lower Upper

276 100

277 28.4 19.7 29.5

138 11.6 6.7 10.1#

