

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056414.D
 Acq On : 24 Jan 2023 22:35
 Operator : CG/JU
 Sample : 01232-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P-19B

Quant Time: Jan 25 05:35:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

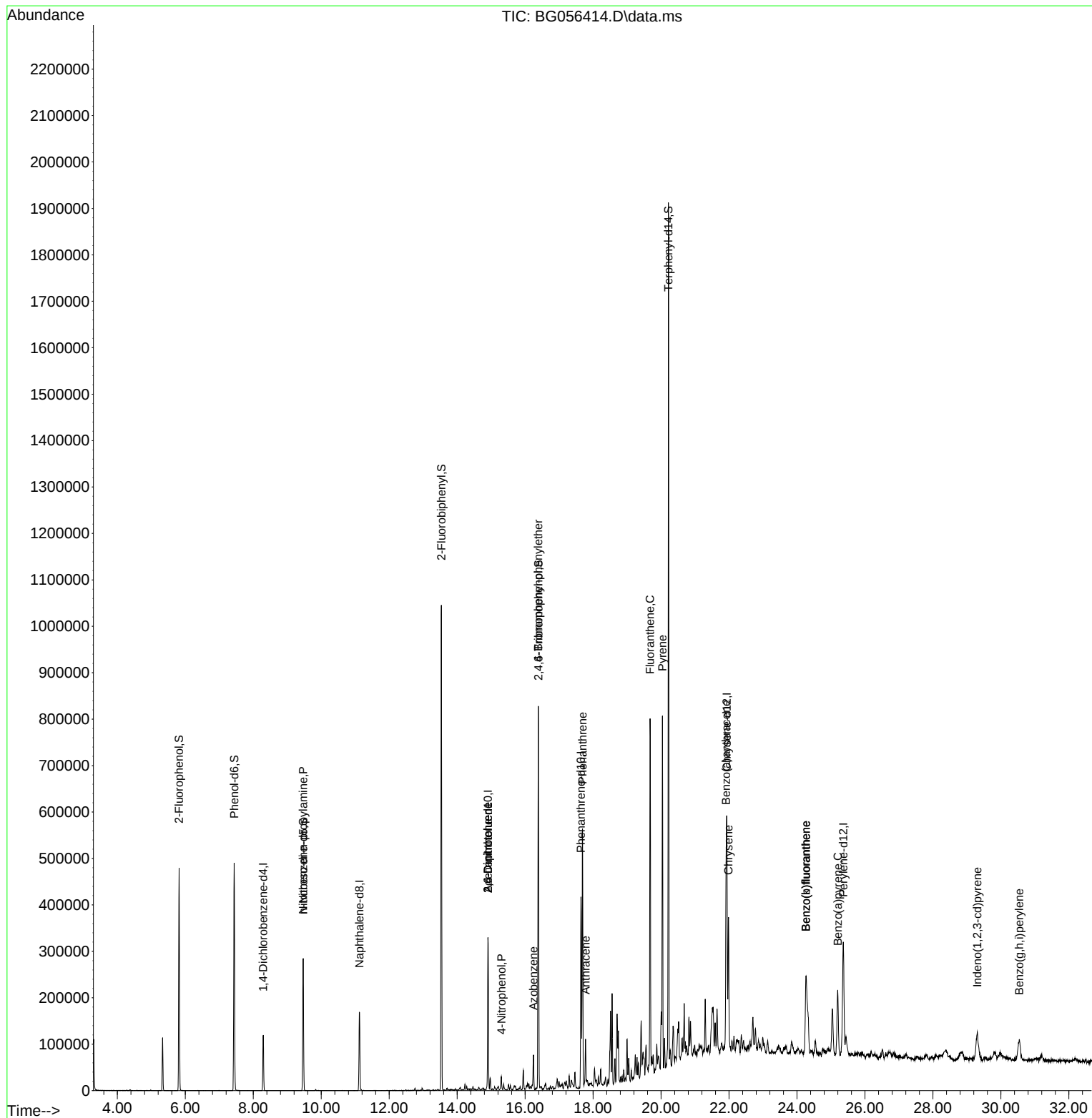
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.288	152	40835	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	164752	20.000	ng	0.00
39) Acenaphthene-d10	14.904	164	126513	20.000	ng	-0.01
64) Phenanthrene-d10	17.642	188	291766	20.000	ng	-0.01
76) Chrysene-d12	21.931	240	274867	20.000	ng	#-0.01
86) Perylene-d12	25.363	264	299958	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	274911	120.204	ng	0.00
7) Phenol-d6	7.436	99	385596	109.786	ng	0.00
23) Nitrobenzene-d5	9.469	82	203740	63.256	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	177012	110.476	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	620322	67.709	ng	0.00
79) Terphenyl-d14	20.216	244	1002023	65.292	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.469	70	24899	11.658	ng	# 71
51) 2,6-Dinitrotoluene	14.904	165	17401	7.996	ng	# 32
56) 4-Nitrophenol	15.304	139	4841	3.039	ng	# 3
57) 2,4-Dinitrotoluene	14.904	165	17401	5.718	ng	# 29
63) Azobenzene	16.244	77	16231	2.196	ng	# 1
67) 4-Bromophenyl-phenylether	16.385	248	13456	3.622	ng	# 1
71) Phenanthrene	17.689	178	401119	26.529	ng	98
72) Anthracene	17.777	178	75750	4.857	ng	98
75) Fluoranthene	19.675	202	530636	26.904	ng	98
78) Pyrene	20.039	202	512991	26.479	ng	99
81) Benzo(a)anthracene	21.914	228	255618	13.240	ng	98
83) Chrysene	21.978	228	229200	12.674	ng	98
87) Indeno(1,2,3-cd)pyrene	29.305	276	108970	4.995	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	241770	12.686	ng	# 98
89) Benzo(k)fluoranthene	24.264	252	241770	12.739	ng	99
90) Benzo(a)pyrene	25.198	252	176559	9.498	ng	# 99
92) Benzo(g,h,i)perylene	30.539	276	108986	6.145	ng	# 95

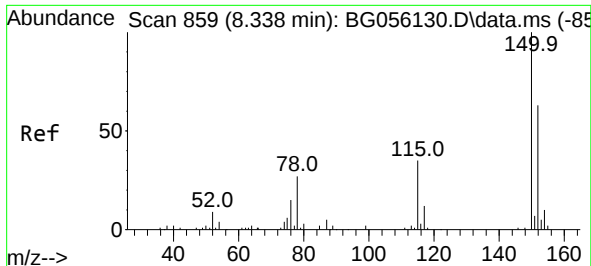
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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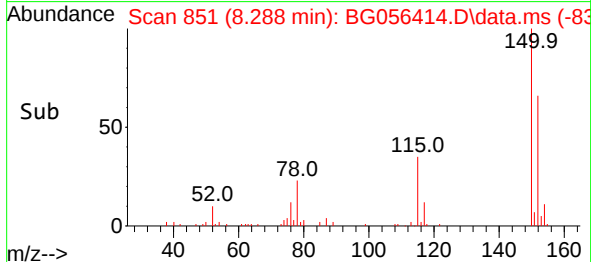
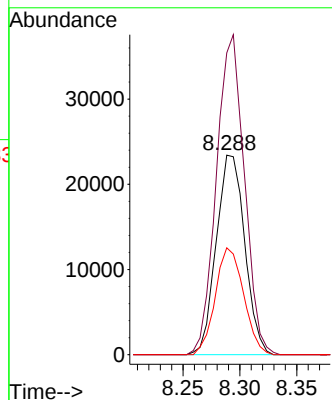
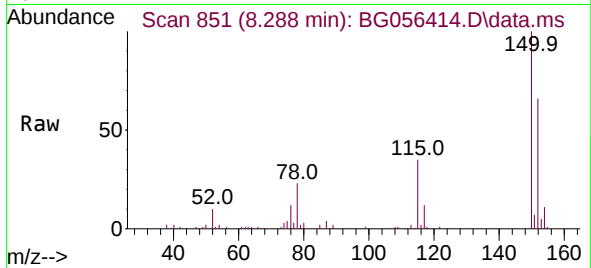




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.288 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

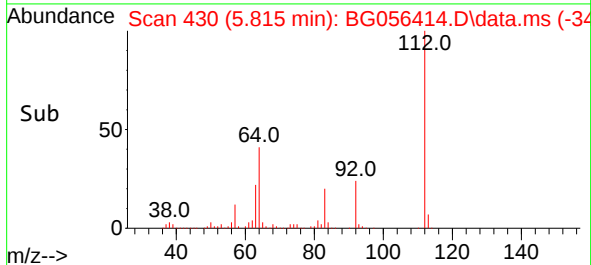
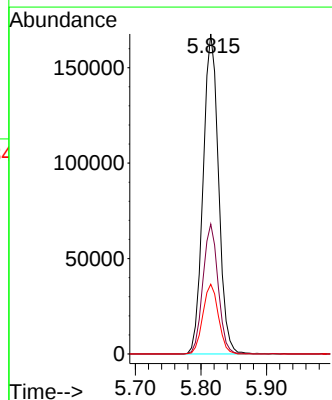
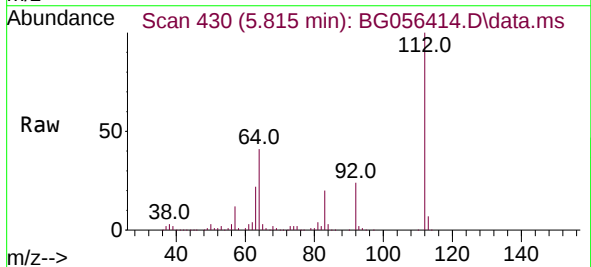
Instrument :
BNA_G
ClientSampleId :
B-P-19B

Tgt Ion:152 Resp: 40835
Ion Ratio Lower Upper
152 100
150 151.2 127.9 191.9
115 53.6 44.2 66.2



#5
2-Fluorophenol
Concen: 120.204 ng
RT: 5.815 min Scan# 430
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:112 Resp: 274911
Ion Ratio Lower Upper
112 100
64 40.6 33.3 49.9
63 21.8 19.0 28.4

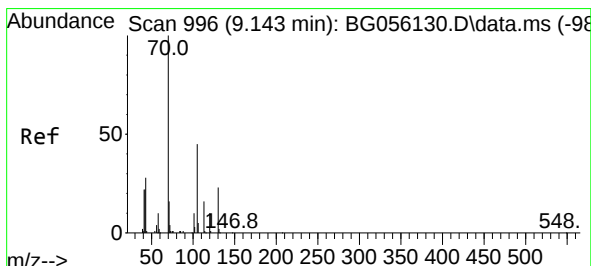
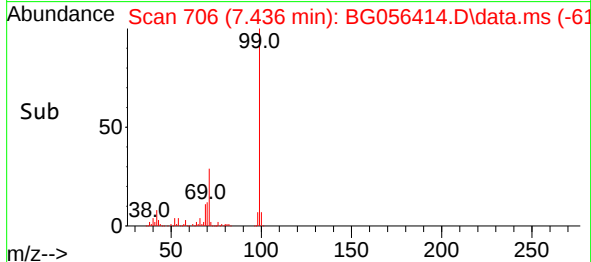
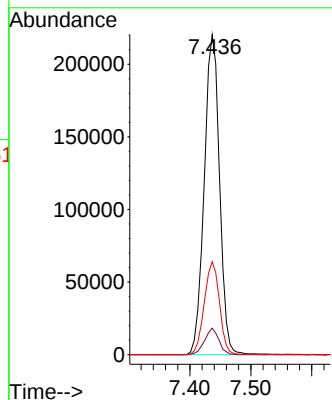
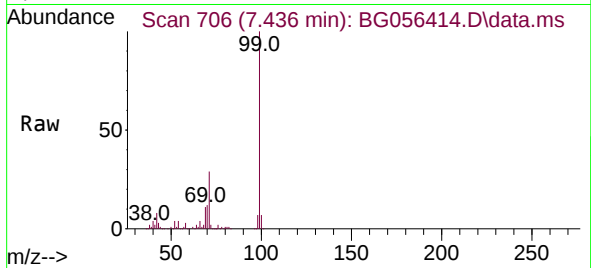




#7
Phenol-d6
Concen: 109.786 ng
RT: 7.436 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

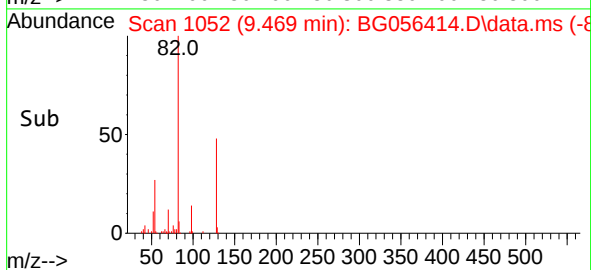
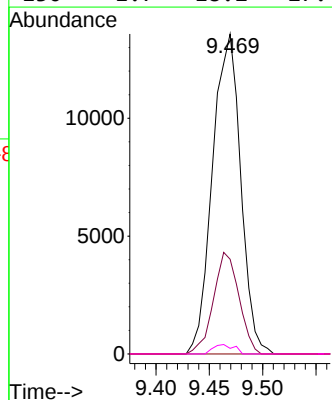
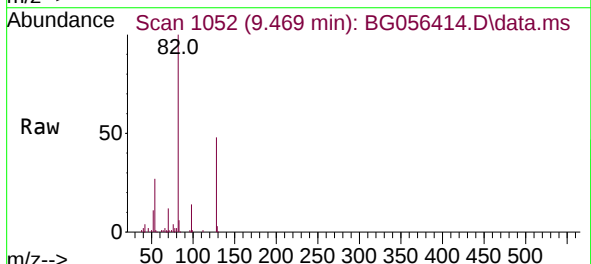
Instrument :
BNA_G
ClientSampleId :
B-P-19B

Tgt Ion: 99 Resp: 385596
Ion Ratio Lower Upper
99 100
42 8.3 5.9 8.9
71 29.1 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.658 ng
RT: 9.469 min Scan# 1052
Delta R.T. 0.371 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion: 70 Resp: 24899
Ion Ratio Lower Upper
70 100
42 29.6 18.2 27.2#
101 0.0 8.3 12.5#
130 1.7 18.2 27.4#

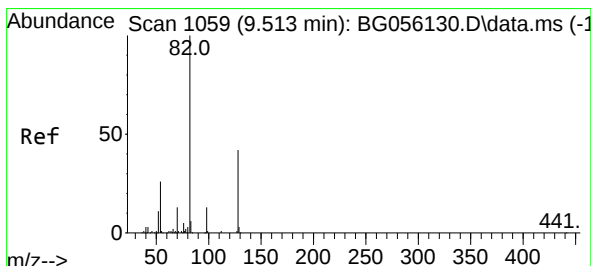
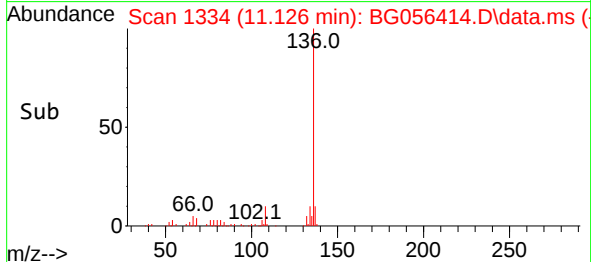
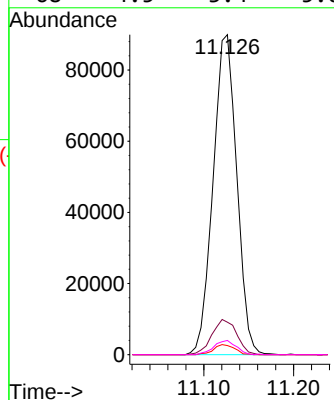
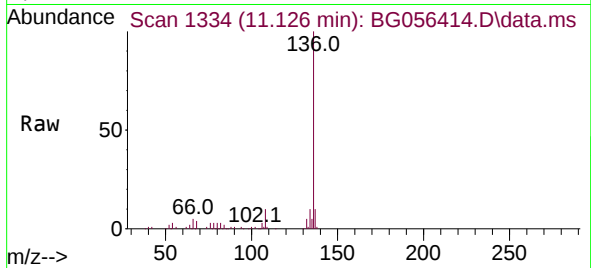




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

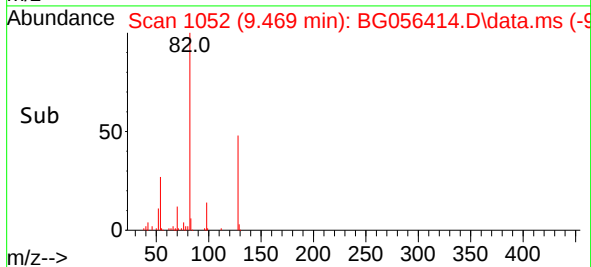
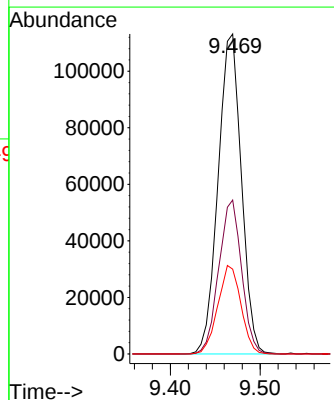
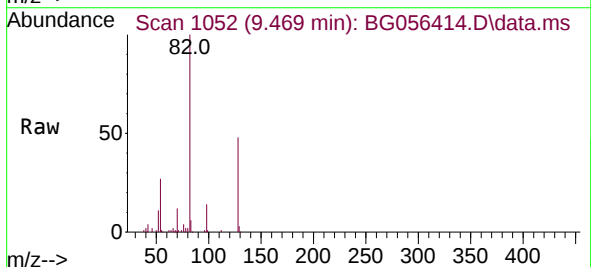
Instrument :
BNA_G
ClientSampleId :
B-P-19B

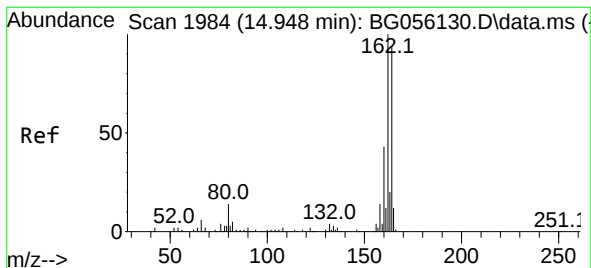
Tgt Ion:136 Resp: 164752
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.0
54 2.9 2.2 3.2
68 4.5 3.4 5.0



#23
Nitrobenzene-d5
Concen: 63.256 ng
RT: 9.469 min Scan# 1052
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion: 82 Resp: 203740
Ion Ratio Lower Upper
82 100
128 48.1 33.4 50.2
54 26.5 20.3 30.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.904 min Scan# 1984

Delta R.T. -0.011 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

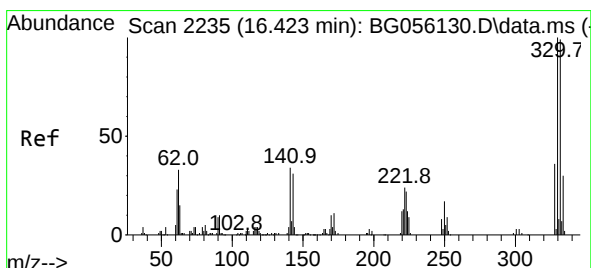
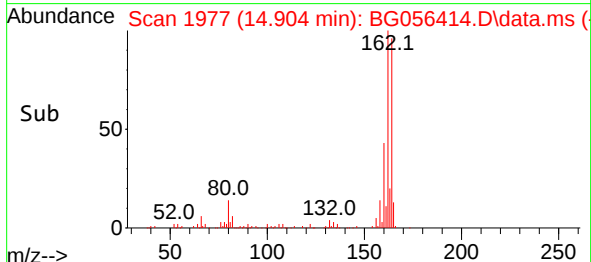
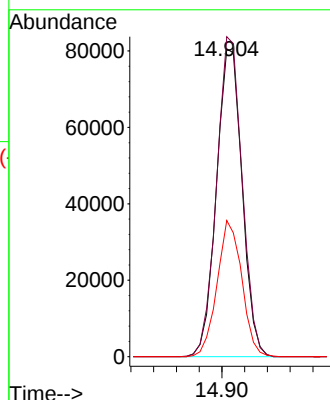
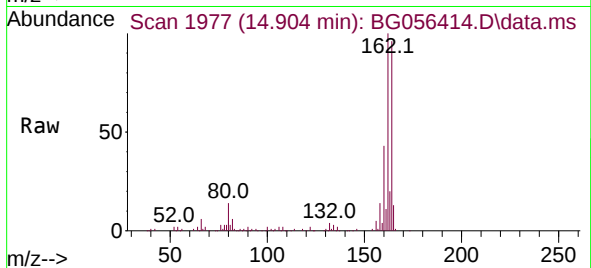
Tgt Ion:164 Resp: 126513

Ion Ratio Lower Upper

164 100

162 104.1 84.7 127.1

160 44.3 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 110.476 ng

RT: 16.391 min Scan# 2230

Delta R.T. -0.005 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

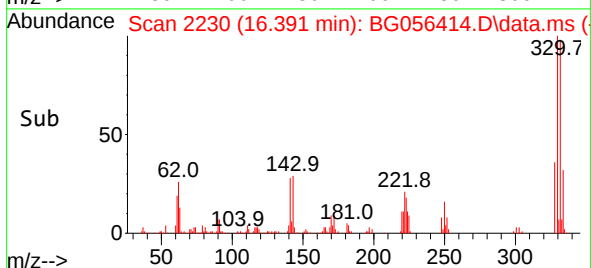
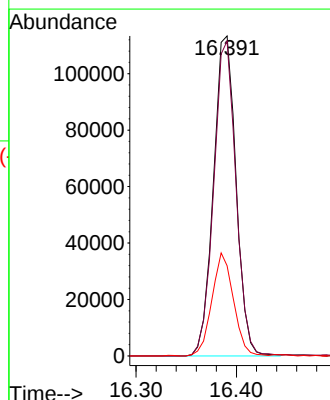
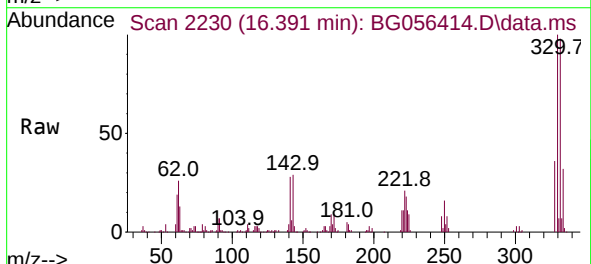
Tgt Ion:330 Resp: 177012

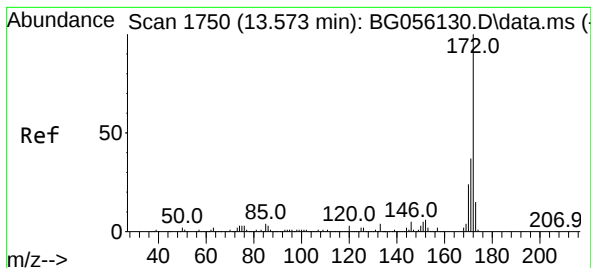
Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 30.8 27.9 41.9

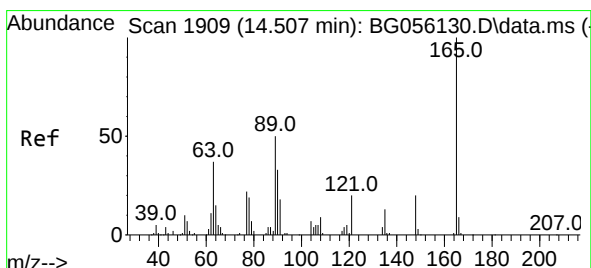
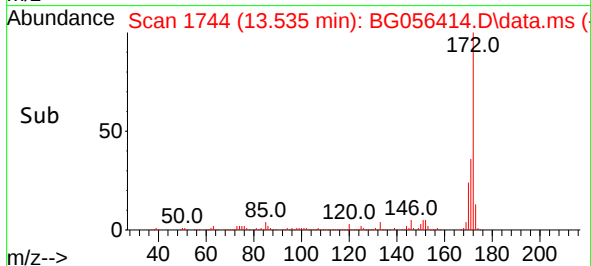
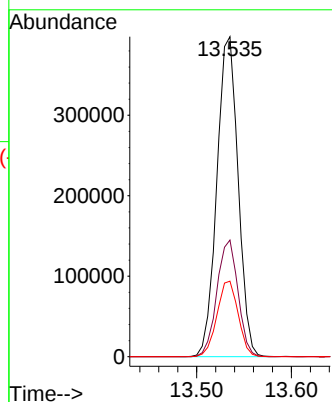
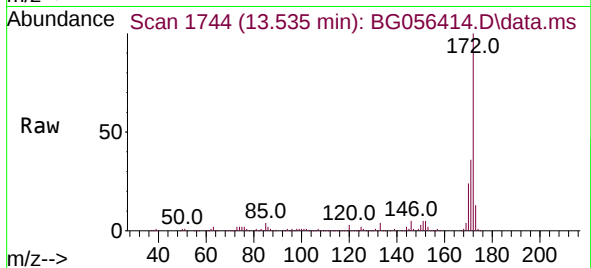




#45
2-Fluorobiphenyl
Concen: 67.709 ng
RT: 13.535 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

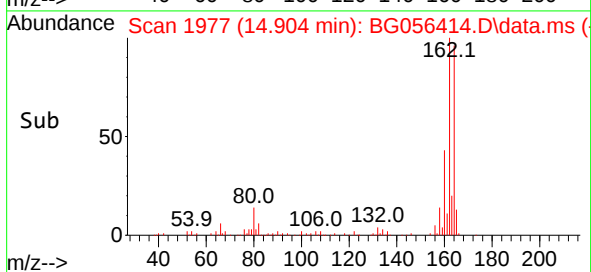
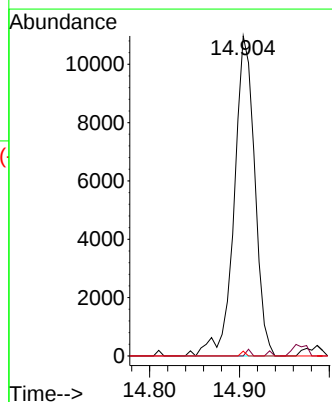
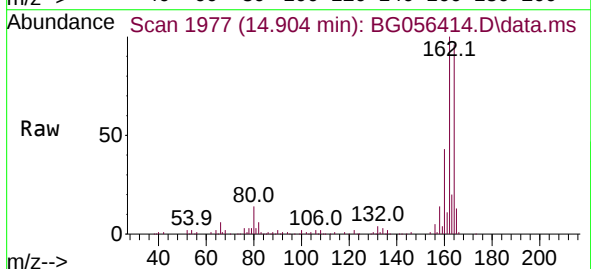
Instrument :
BNA_G
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B-P-19B

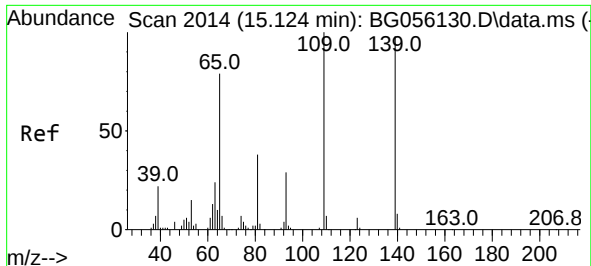
Tgt Ion:172 Resp: 620322
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.6 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.996 ng
RT: 14.904 min Scan# 1977
Delta R.T. 0.424 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:165 Resp: 17401
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 1.5 39.8 59.8#

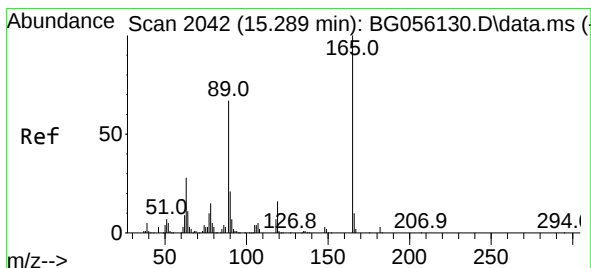
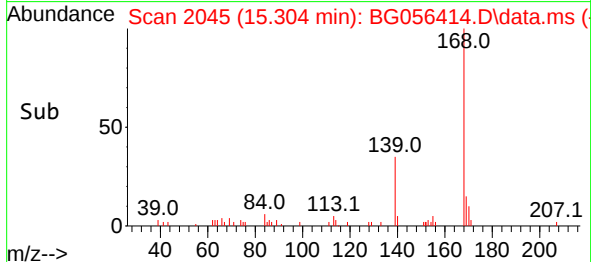
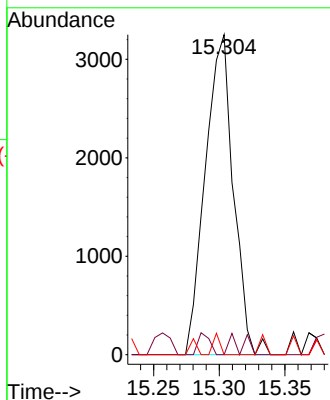
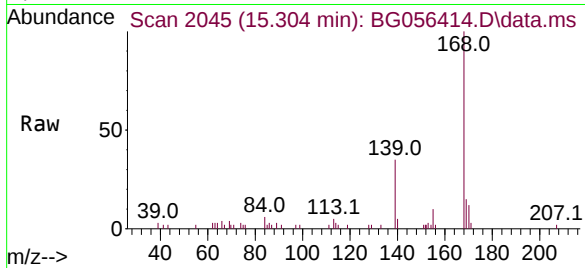




#56
4-Nitrophenol
Concen: 3.039 ng
RT: 15.304 min Scan# 2014
Delta R.T. 0.189 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

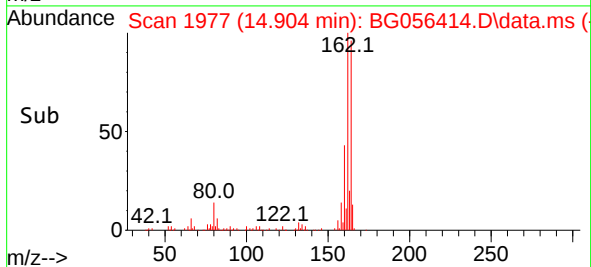
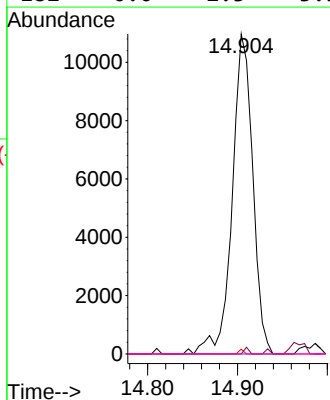
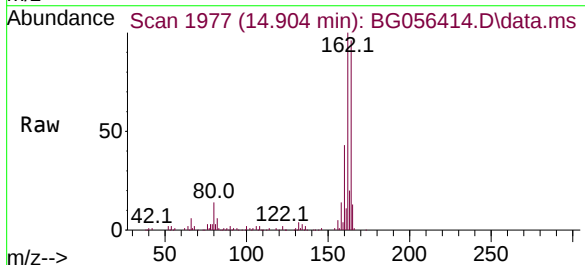
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BNA_G
ClientSampleId :
B-P-19B

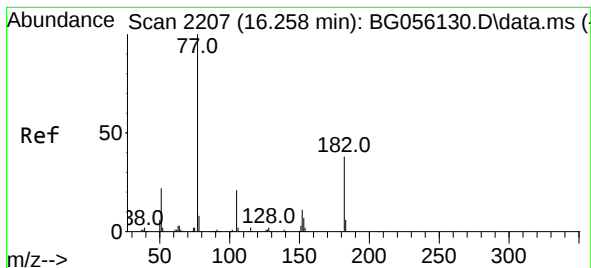
Tgt Ion:139 Resp: 4841
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 0.0 60.6 100.6#



#57
2,4-Dinitrotoluene
Concen: 5.718 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.363 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:165 Resp: 17401
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 1.5 53.2 79.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.196 ng

RT: 16.244 min Scan# 21

Delta R.T. 0.013 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

Tgt Ion: 77 Resp: 16231

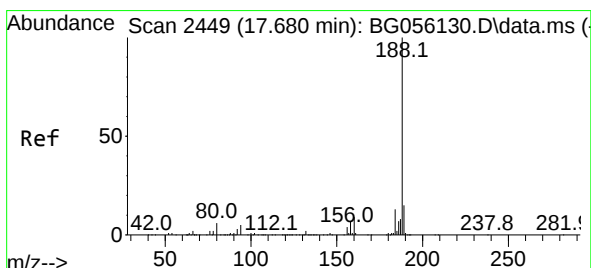
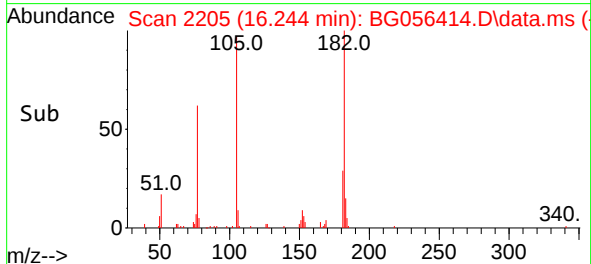
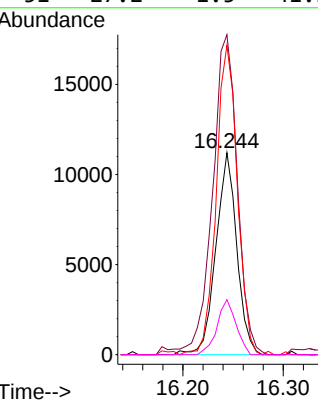
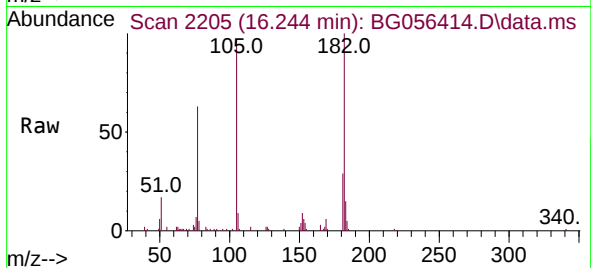
Ion Ratio Lower Upper

77 100

182 158.4 18.5 58.5#

105 153.2 1.4 41.4#

51 27.2 1.5 41.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.642 min Scan# 2443

Delta R.T. -0.011 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

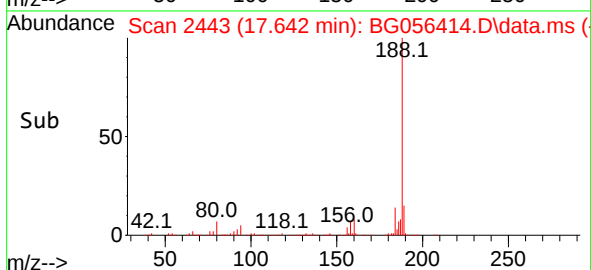
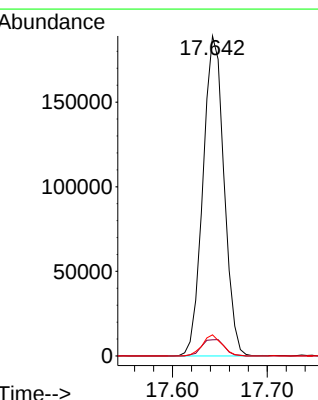
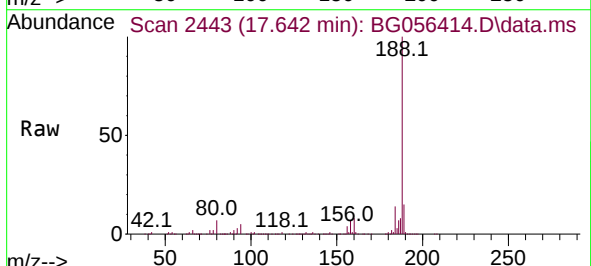
Tgt Ion: 188 Resp: 291766

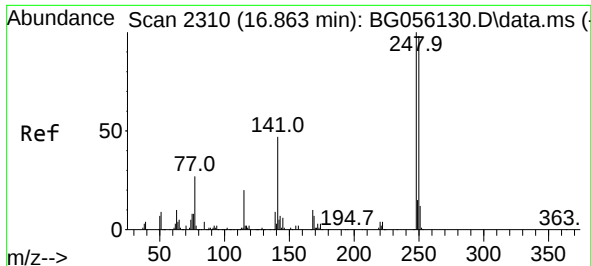
Ion Ratio Lower Upper

188 100

94 5.0 4.2 6.2

80 6.6 5.0 7.4

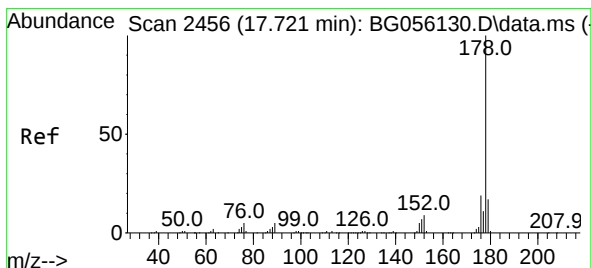
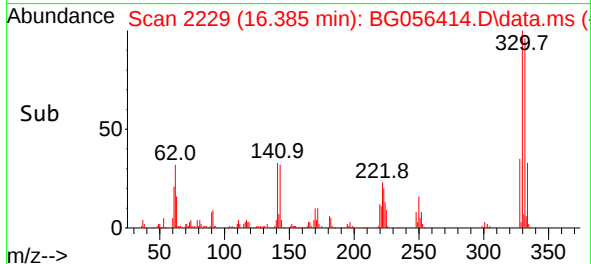
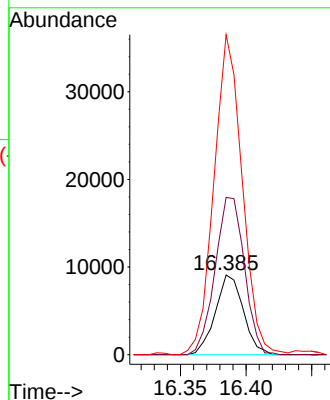
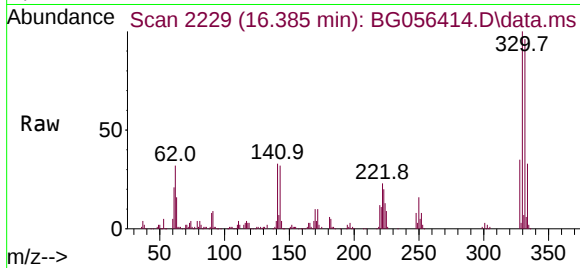




#67
4-Bromophenyl-phenylether
Concen: 3.622 ng
RT: 16.385 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

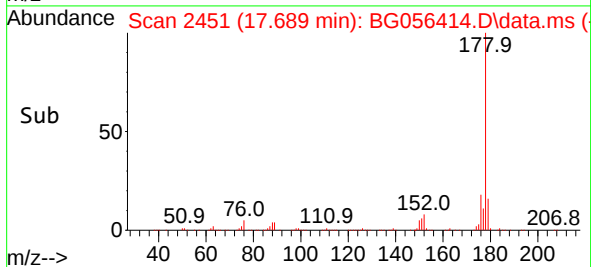
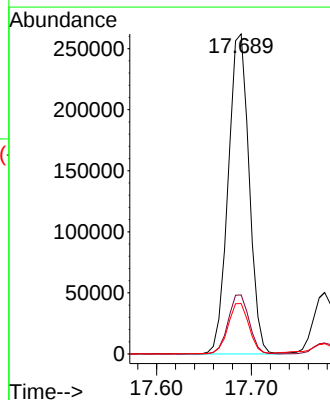
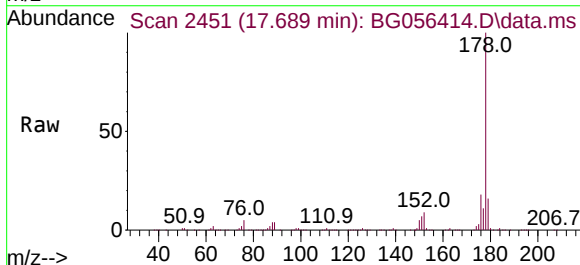
Instrument :
BNA_G
ClientSampleId :
B-P-19B

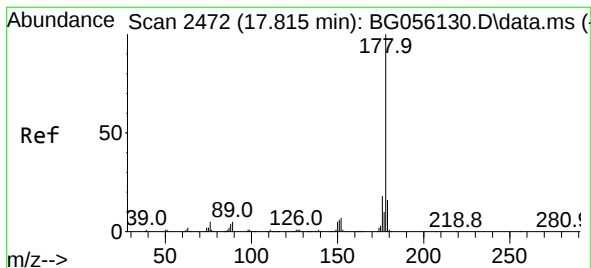
Tgt Ion:248 Resp: 13456
Ion Ratio Lower Upper
248 100
250 197.4 78.2 117.4#
141 401.7 37.6 56.4#



#71
Phenanthrene
Concen: 26.529 ng
RT: 17.689 min Scan# 2451
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:178 Resp: 401119
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.8 13.6 20.4





#72

Anthracene

Concen: 4.857 ng

RT: 17.777 min Scan# 24

Delta R.T. -0.011 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

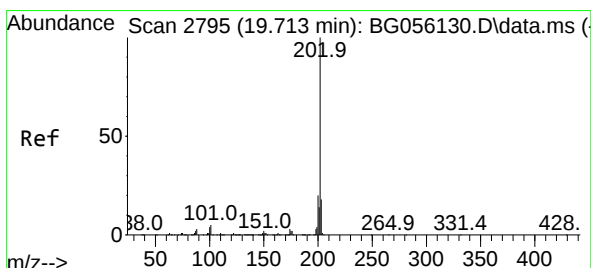
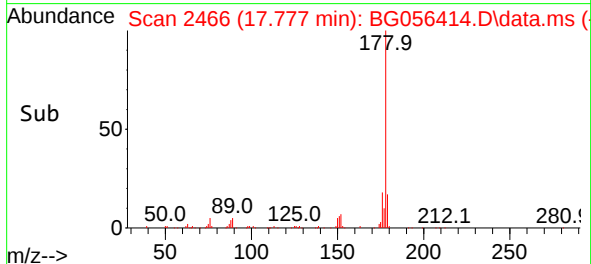
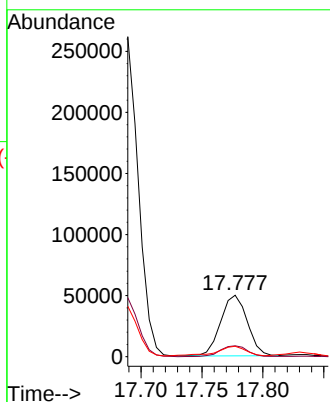
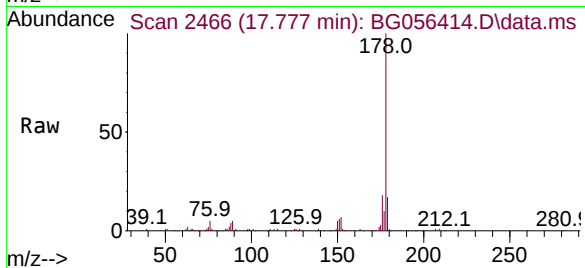
Tgt Ion:178 Resp: 75750

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

179 16.9 12.7 19.1



#75

Fluoranthene

Concen: 26.904 ng

RT: 19.675 min Scan# 2789

Delta R.T. -0.011 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

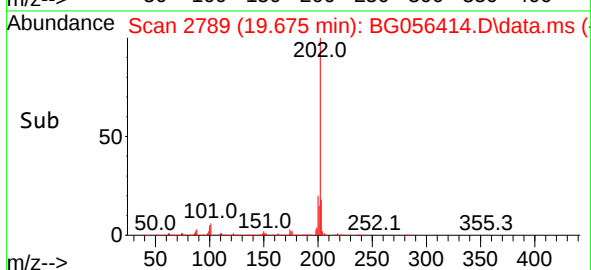
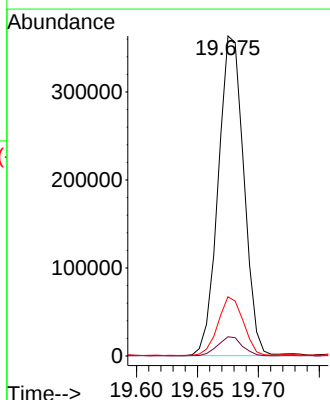
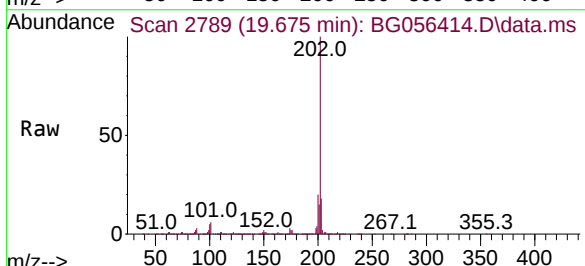
Tgt Ion:202 Resp: 530636

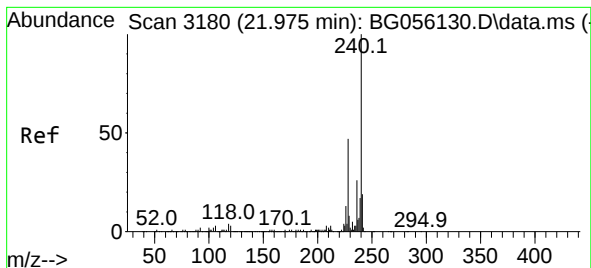
Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.0

203 18.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.931 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

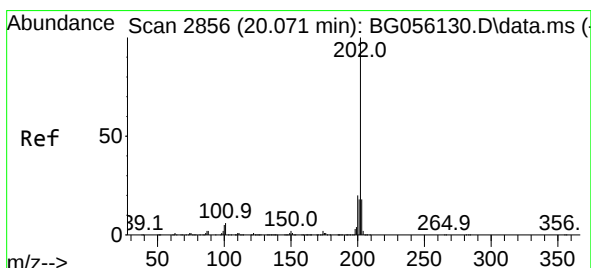
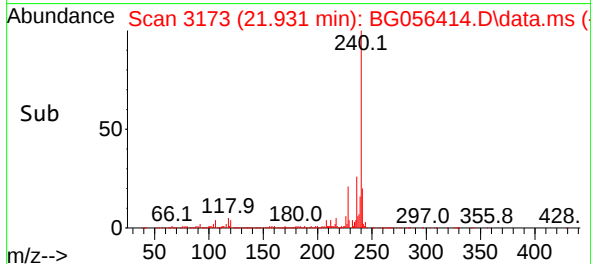
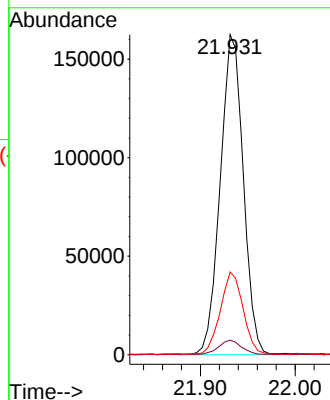
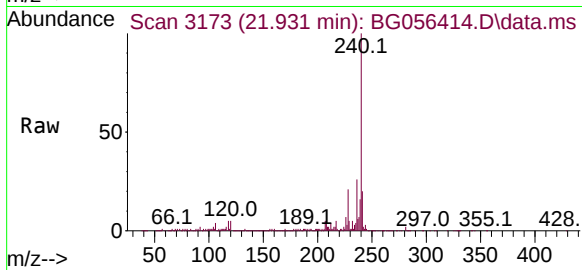
Tgt Ion:240 Resp: 274867

Ion Ratio Lower Upper

240 100

120 4.6 2.6 4.0#

236 25.9 20.8 31.2



#78

Pyrene

Concen: 26.479 ng

RT: 20.039 min Scan# 2851

Delta R.T. -0.005 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

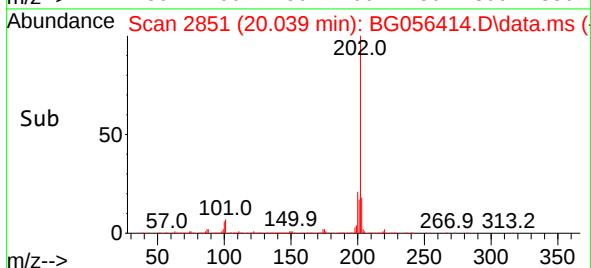
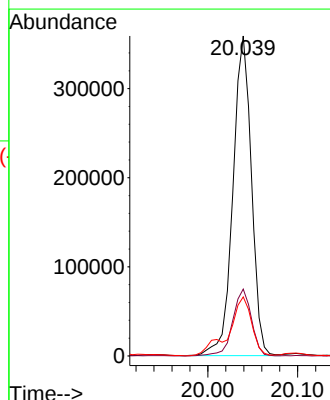
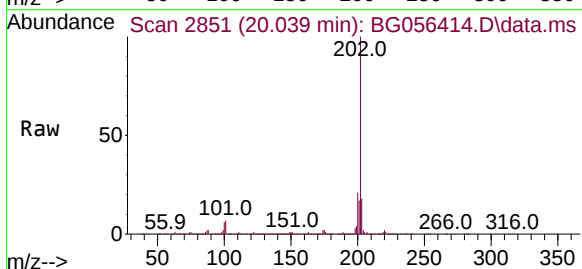
Tgt Ion:202 Resp: 512991

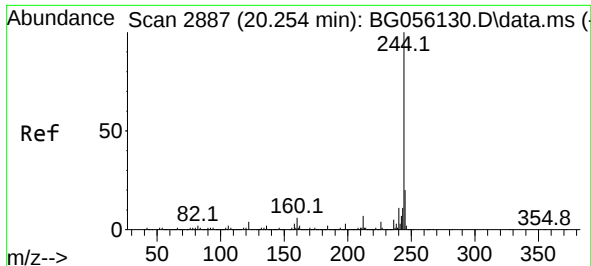
Ion Ratio Lower Upper

202 100

200 20.9 16.4 24.6

203 18.5 14.3 21.5

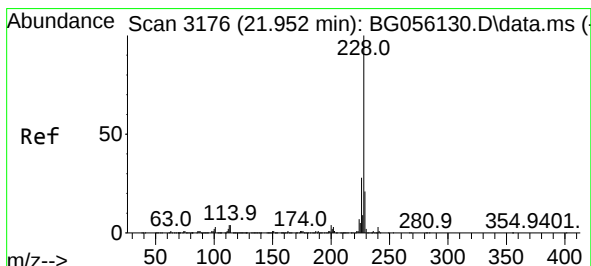
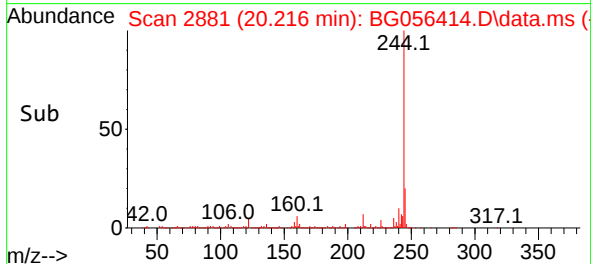
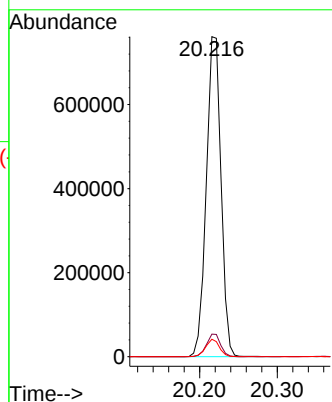
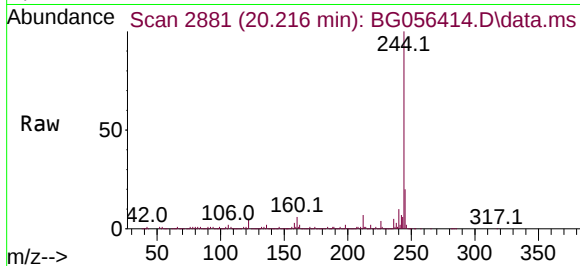




#79
 Terphenyl-d14
 Concen: 65.292 ng
 RT: 20.216 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35

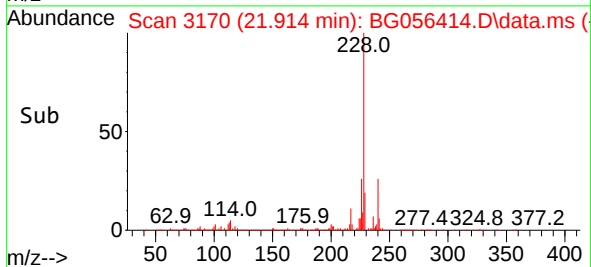
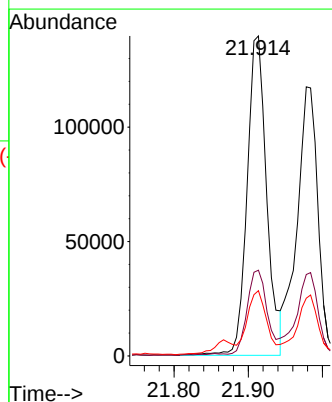
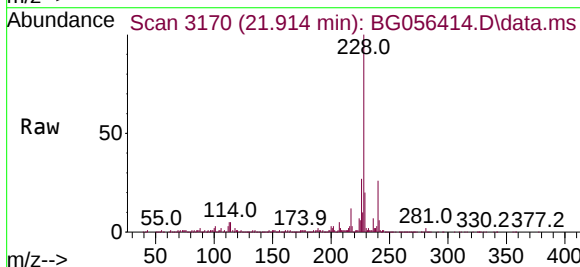
Instrument :
 BNA_G
 ClientSampleId :
 B-P-19B

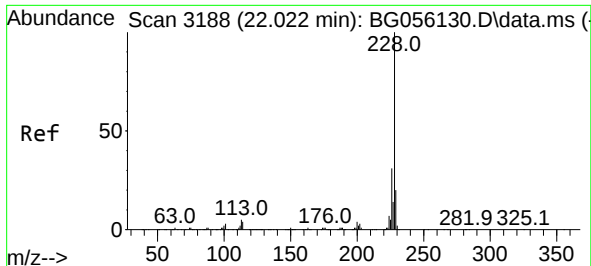
Tgt Ion:244 Resp: 1002023
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 5.4 3.5 5.3#



#81
 Benzo(a)anthracene
 Concen: 13.240 ng
 RT: 21.914 min Scan# 3170
 Delta R.T. -0.011 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35

Tgt Ion:228 Resp: 255618
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.6 34.0
 229 20.4 16.9 25.3

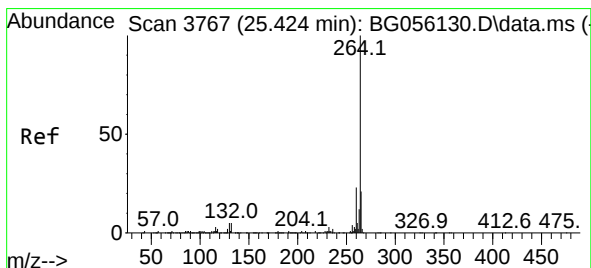
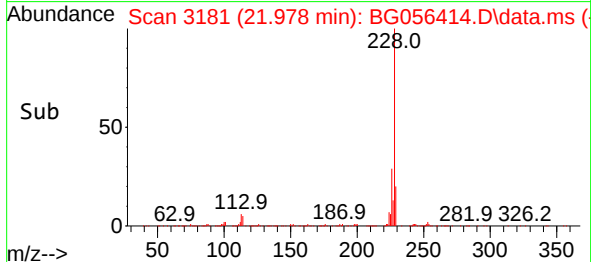
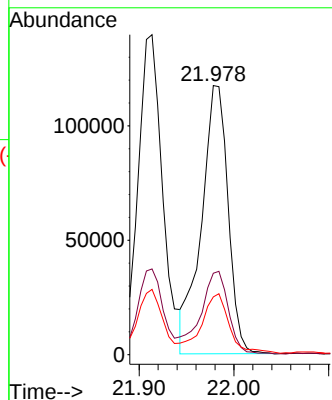
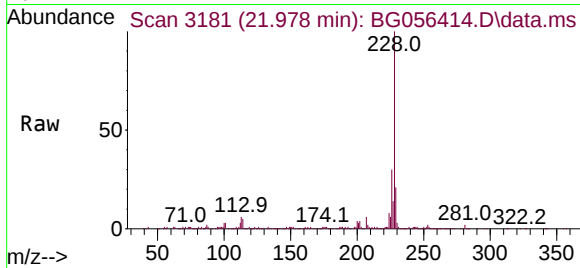




#83
Chrysene
Concen: 12.674 ng
RT: 21.978 min Scan# 3188
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

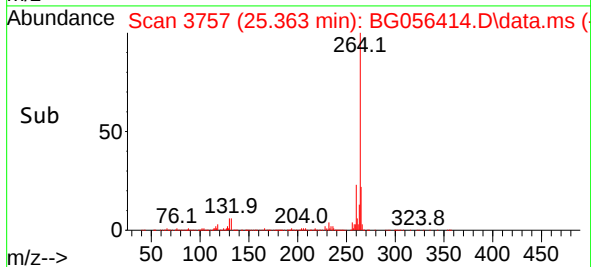
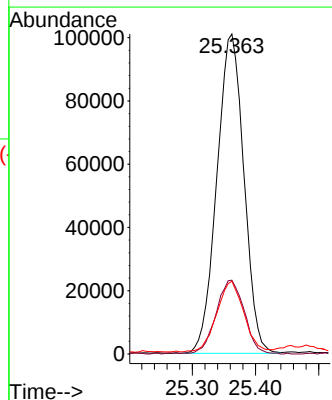
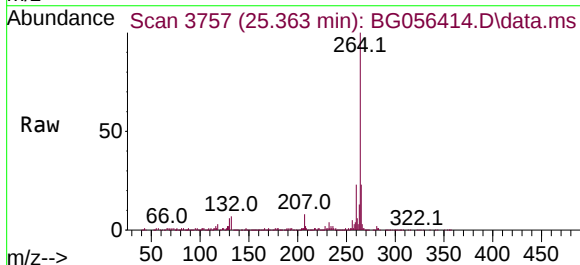
Instrument :
BNA_G
ClientSampleId :
B-P-19B

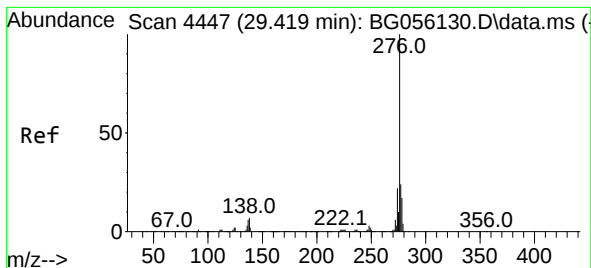
Tgt Ion:228	Resp: 229200		
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.6	36.8
229	21.4	15.8	23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.363 min Scan# 3757
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt	Ion:264	Resp:	299958
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.8	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.995 ng

RT: 29.305 min Scan# 44

Delta R.T. -0.028 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

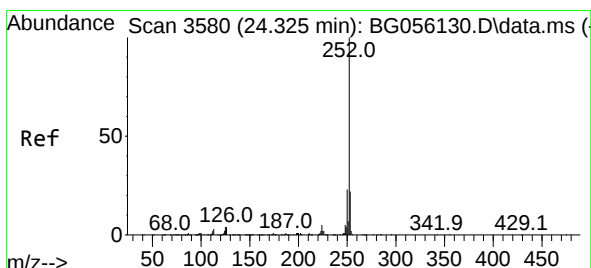
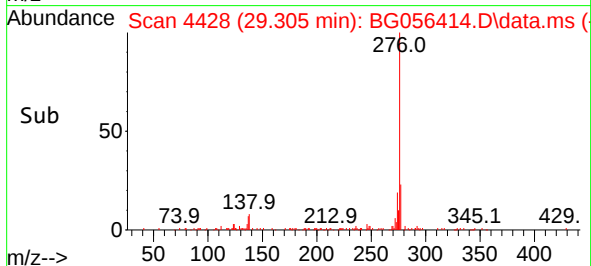
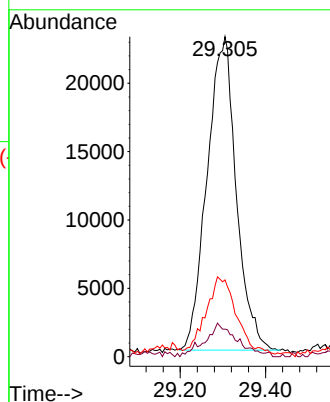
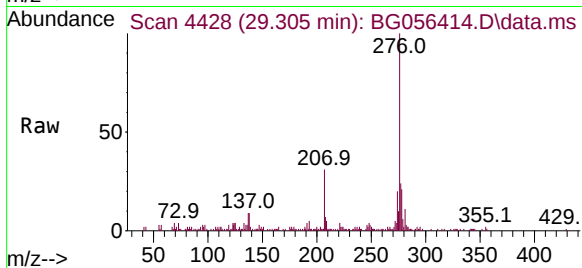
Tgt Ion:276 Resp: 108970

Ion Ratio Lower Upper

276 100

138 8.2 5.0 7.4#

277 22.8 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 12.686 ng

RT: 24.264 min Scan# 3570

Delta R.T. -0.017 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

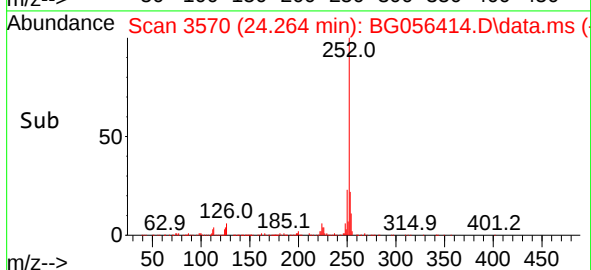
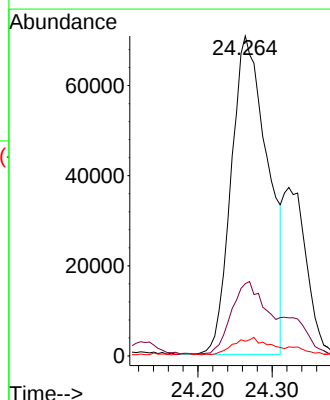
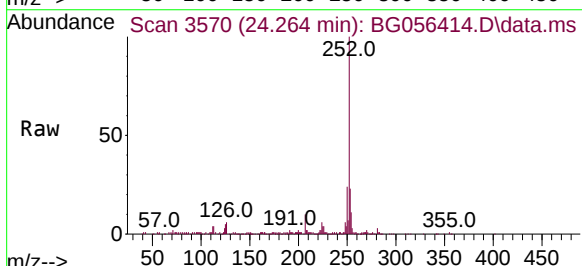
Tgt Ion:252 Resp: 241770

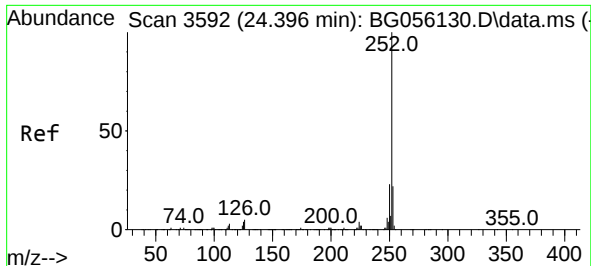
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 4.6 3.0 4.4#

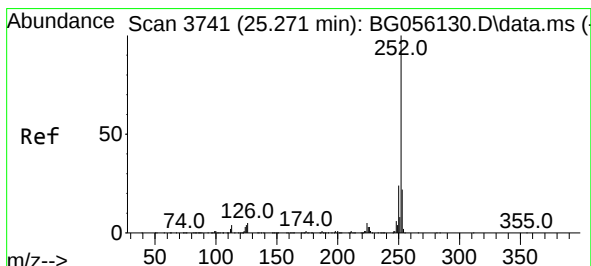
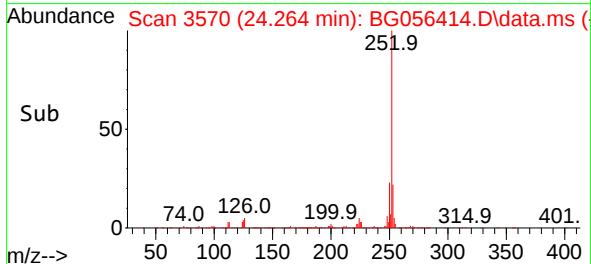
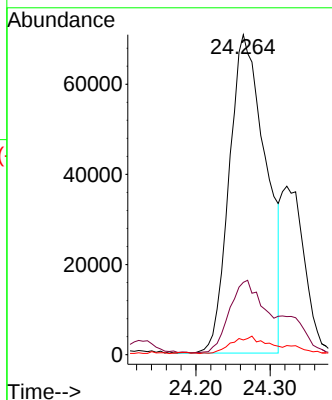
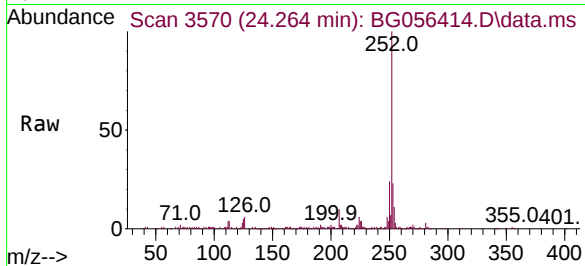




#89
Benzo(k)fluoranthene
Concen: 12.739 ng
RT: 24.264 min Scan# 31
Delta R.T. -0.087 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

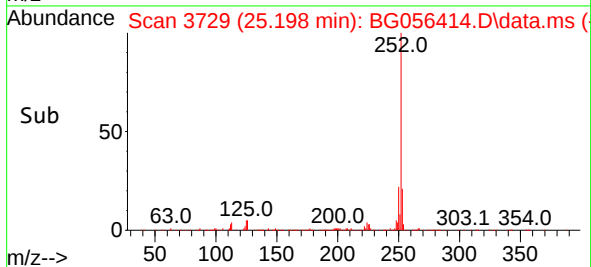
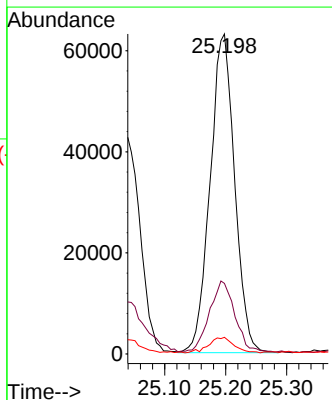
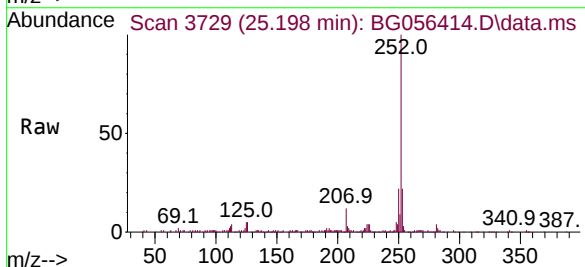
Instrument :
BNA_G
ClientSampleId :
B-P-19B

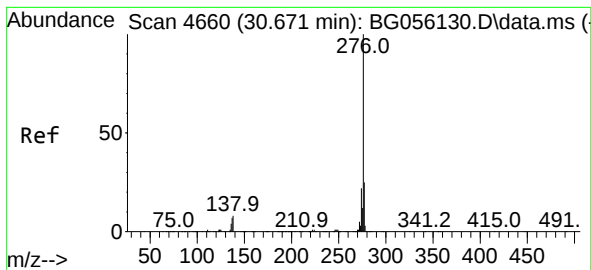
Tgt Ion:252 Resp: 241770
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 4.6 3.4 5.0



#90
Benzo(a)pyrene
Concen: 9.498 ng
RT: 25.198 min Scan# 3729
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:252 Resp: 176559
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 5.2 3.2 4.8#





#92

Benzo(g,h,i)perylene

Concen: 6.145 ng

RT: 30.539 min Scan# 4

Delta R.T. -0.034 min

Lab File: BG056414.D

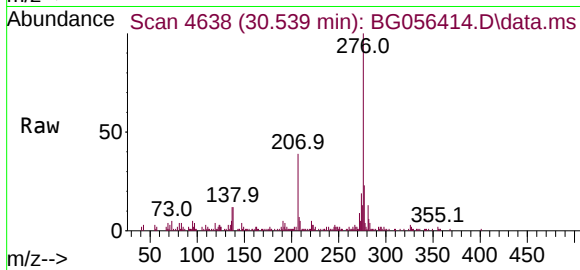
Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B



Tgt Ion:276 Resp: 108986

Ion Ratio Lower Upper

276 100

277 23.0 19.7 29.5

138 11.9 6.7 10.1#

