

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056412.D
 Acq On : 24 Jan 2023 21:13
 Operator : CG/JU
 Sample : 01266-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

Quant Time: Jan 25 05:35:11 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)

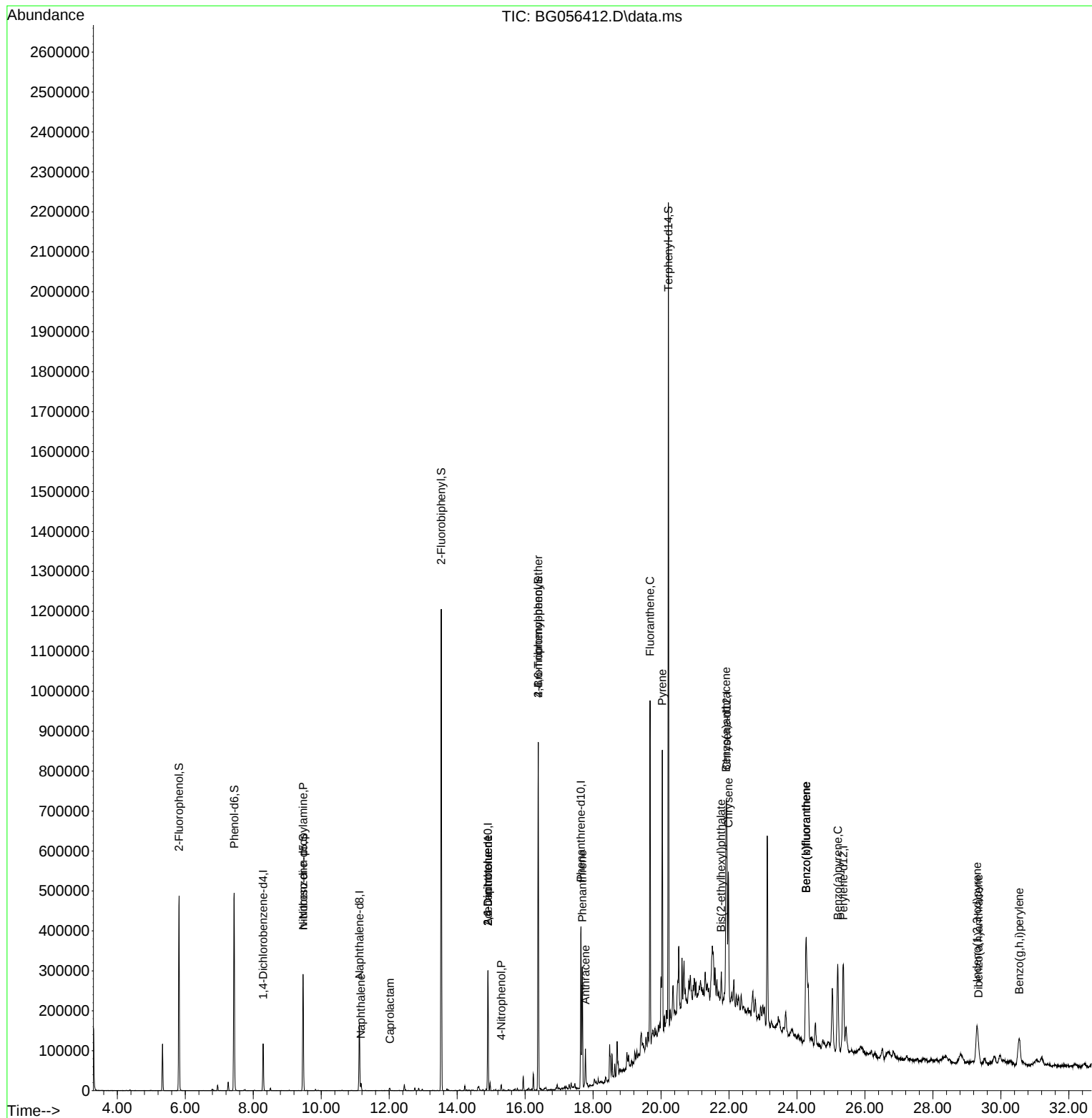
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.291	152	39344	20.000	ng	0.00
21) Naphthalene-d8	11.123	136	155097	20.000	ng	0.00
39) Acenaphthene-d10	14.907	164	120170	20.000	ng	0.00
64) Phenanthrene-d10	17.645	188	281519	20.000	ng	0.00
76) Chrysene-d12	21.934	240	250404	20.000	ng	# 0.00
86) Perylene-d12	25.365	264	280783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.818	112	278995	126.613	ng	0.00
7) Phenol-d6	7.439	99	391639	115.733	ng	0.00
23) Nitrobenzene-d5	9.466	82	206030	67.949	ng	0.00
42) 2,4,6-Tribromophenol	16.388	330	183957	120.871	ng	0.00
45) 2-Fluorobiphenyl	13.532	172	667350	76.687	ng	0.00
79) Terphenyl-d14	20.218	244	1059094	75.753	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.466	70	25823	12.549	ng	# 73
31) Naphthalene	11.170	128	18195	2.229	ng	# 94
35) Caprolactam	12.022	113	2549	2.429	ng	87
51) 2,6-Dinitrotoluene	14.907	165	16345	7.907	ng	# 31
56) 4-Nitrophenol	15.301	139	3217	2.126	ng	# 3
57) 2,4-Dinitrotoluene	14.907	165	16345	5.654	ng	# 28
67) 4-Bromophenyl-phenylether	16.388	248	14289	3.986	ng	# 1
71) Phenanthrene	17.686	178	208059	14.261	ng	97
72) Anthracene	17.774	178	66297	4.405	ng	98
75) Fluoranthene	19.678	202	572477	30.082	ng	99
78) Pyrene	20.036	202	488537	27.680	ng	99
81) Benzo(a)anthracene	21.911	228	299790	17.045	ng	99
83) Chrysene	21.981	228	282665	17.158	ng	98
84) Bis(2-ethylhexyl)phtha...	21.770	149	24546	3.365	ng	99
87) Indeno(1,2,3-cd)pyrene	29.302	276	186523	9.134	ng	# 97
88) Benzo(b)fluoranthene	24.272	252	418022	23.432	ng	# 98
89) Benzo(k)fluoranthene	24.272	252	418022	23.531	ng	# 98
90) Benzo(a)pyrene	25.201	252	269219	15.472	ng	# 98
91) Dibenzo(a,h)anthracene	29.343	278	50743	2.964	ng	93
92) Benzo(g,h,i)perylene	30.542	276	165304	9.957	ng	99

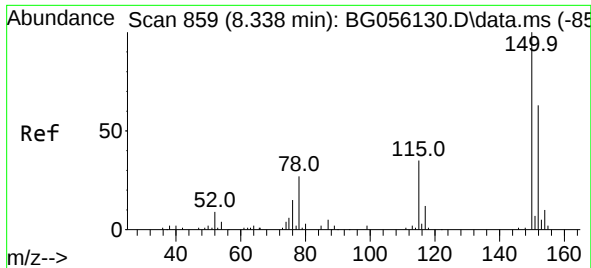
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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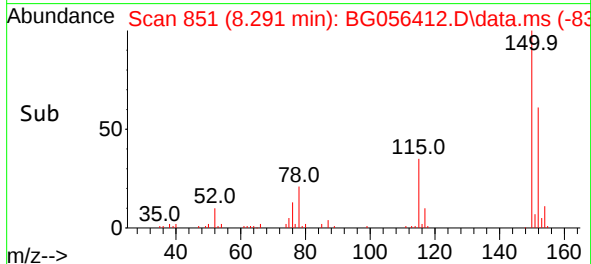
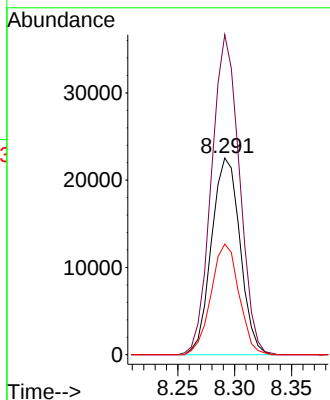
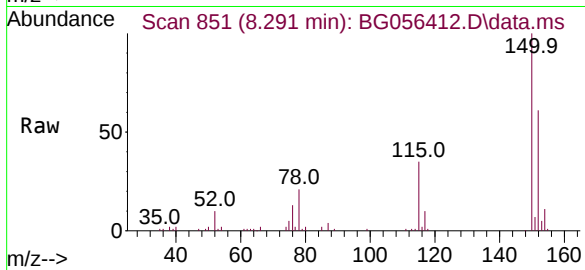




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.291 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

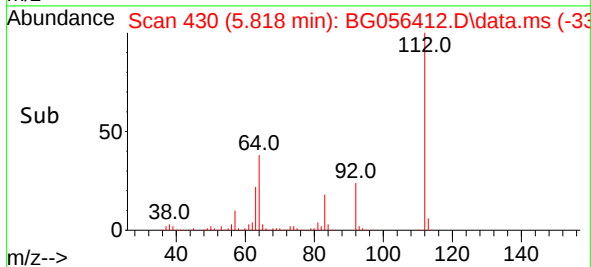
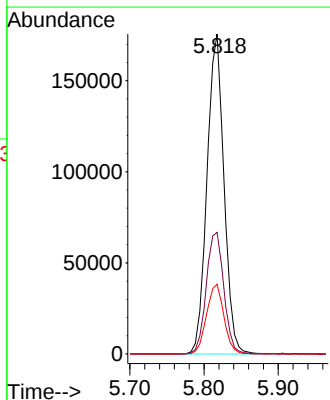
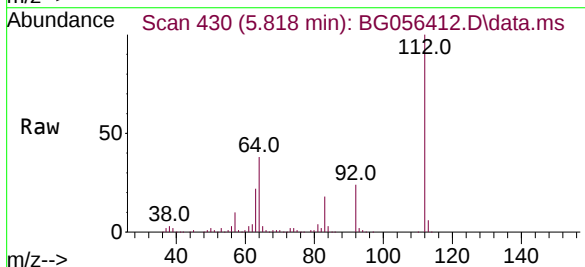
Instrument :
BNA_G
ClientSampleId :
VNJ-219

Tgt Ion:152 Resp: 39344
Ion Ratio Lower Upper
152 100
150 162.7 127.9 191.9
115 56.2 44.2 66.2



#5
2-Fluorophenol
Concen: 126.613 ng
RT: 5.818 min Scan# 430
Delta R.T. 0.004 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:112 Resp: 278995
Ion Ratio Lower Upper
112 100
64 38.0 33.3 49.9
63 21.8 19.0 28.4

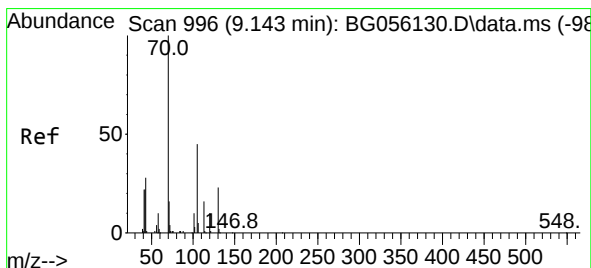
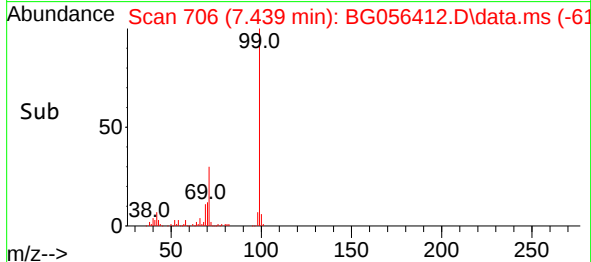
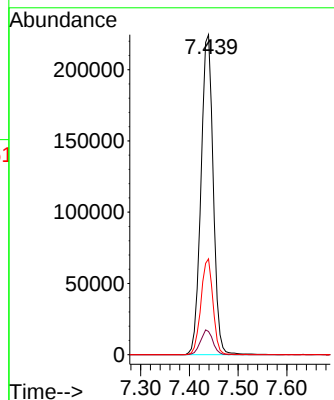
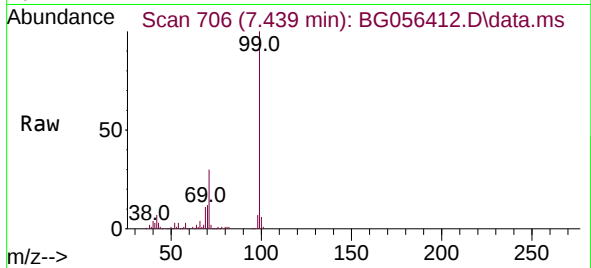




#7
Phenol-d6
Concen: 115.733 ng
RT: 7.439 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

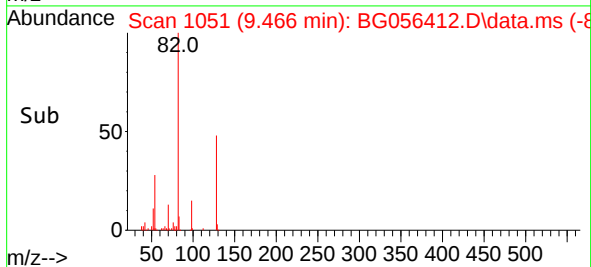
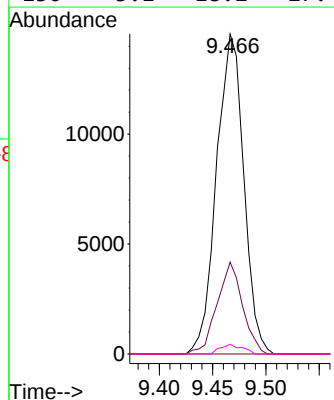
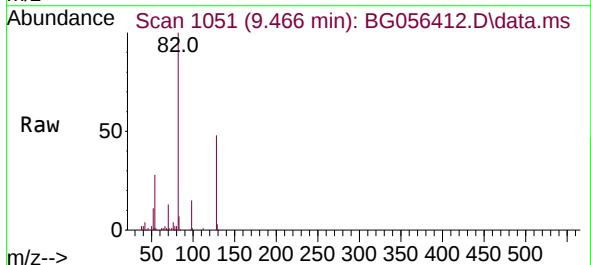
Instrument :
BNA_G
ClientSampleId :
VNJ-219

Tgt Ion: 99 Resp: 391639
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 29.9 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.549 ng
RT: 9.466 min Scan# 1051
Delta R.T. 0.368 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion: 70 Resp: 25823
Ion Ratio Lower Upper
70 100
42 28.7 18.2 27.2#
101 0.0 8.3 12.5#
130 3.1 18.2 27.4#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.123 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

Tgt Ion:136 Resp: 155097

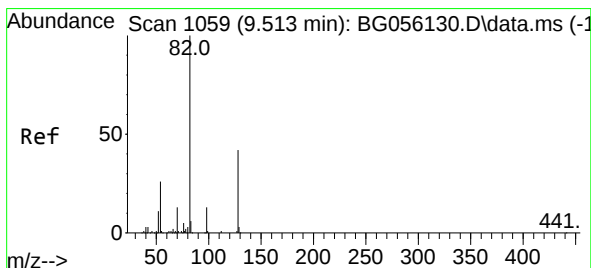
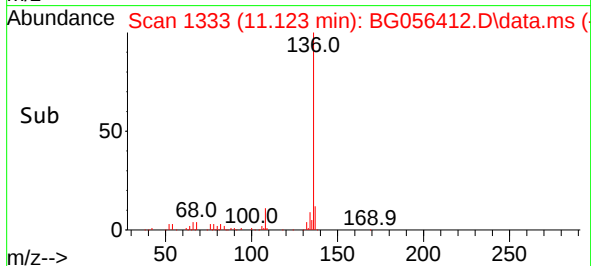
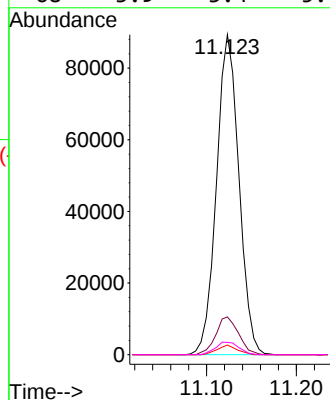
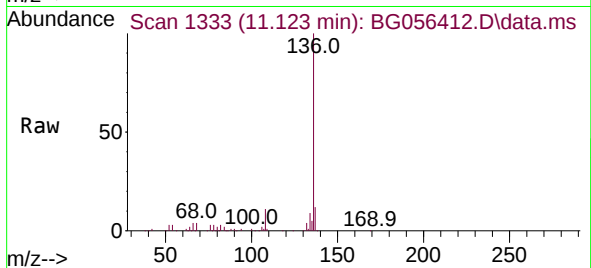
Ion Ratio Lower Upper

136 100

137 11.8 9.4 14.0

54 3.0 2.2 3.2

68 3.9 3.4 5.0



#23
Nitrobenzene-d5
Concen: 67.949 ng
RT: 9.466 min Scan# 1051
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

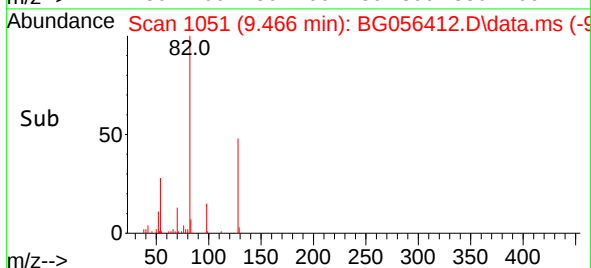
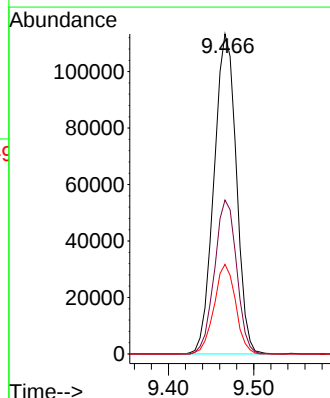
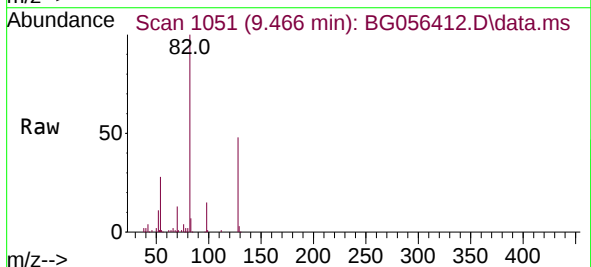
Tgt Ion: 82 Resp: 206030

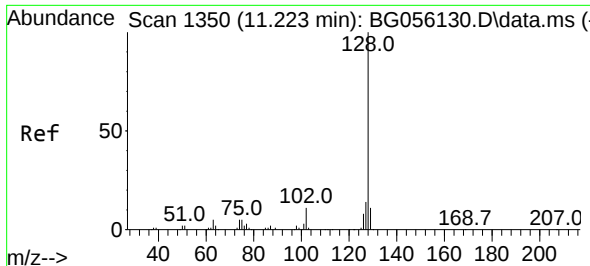
Ion Ratio Lower Upper

82 100

128 48.1 33.4 50.2

54 28.0 20.3 30.5

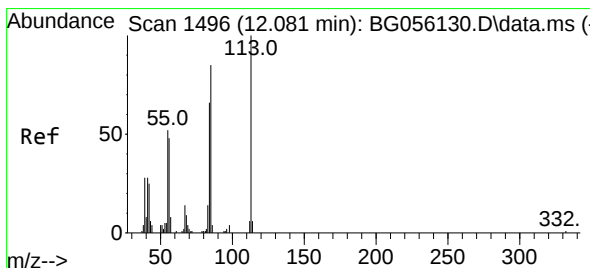
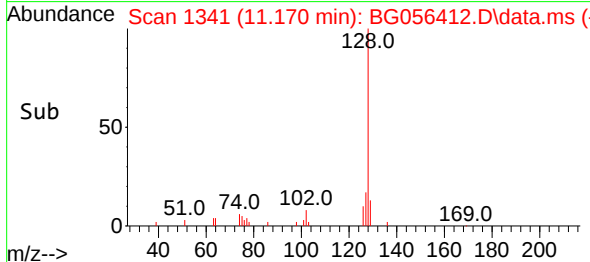
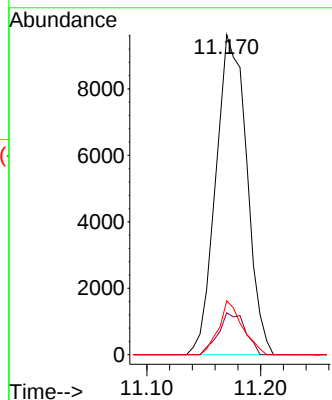
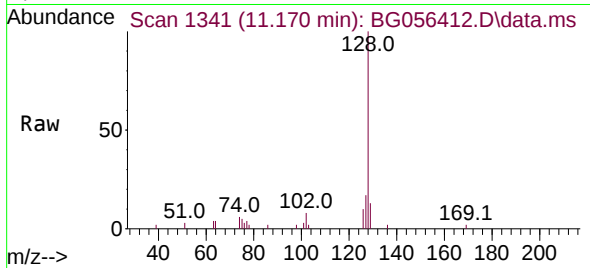




#31
Naphthalene
Concen: 2.229 ng
RT: 11.170 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

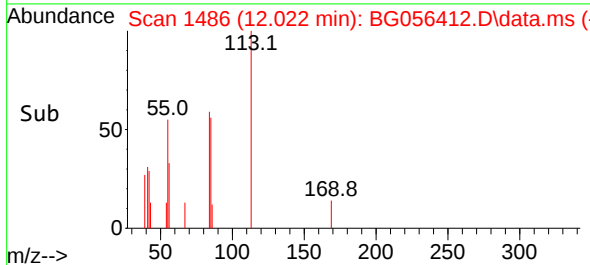
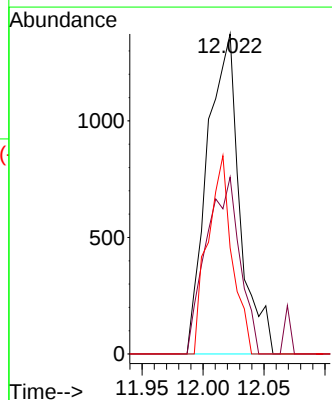
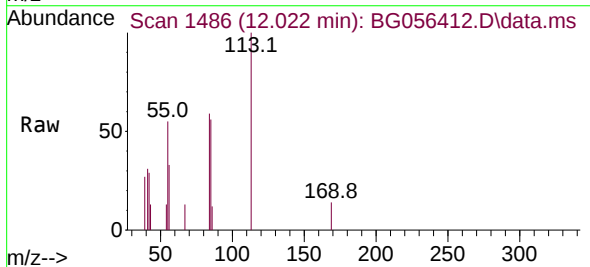
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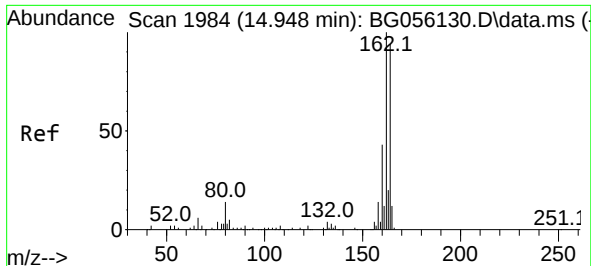
Tgt Ion:128 Resp: 18195
Ion Ratio Lower Upper
128 100
129 13.1 8.9 13.3
127 16.9 11.2 16.8#



#35
Caprolactam
Concen: 2.429 ng
RT: 12.022 min Scan# 1486
Delta R.T. -0.031 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:113 Resp: 2549
Ion Ratio Lower Upper
113 100
55 55.3 31.9 71.9
56 33.2 27.6 67.6

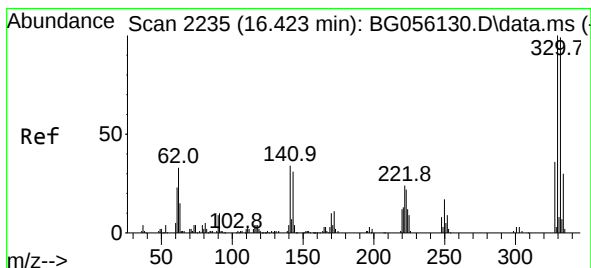
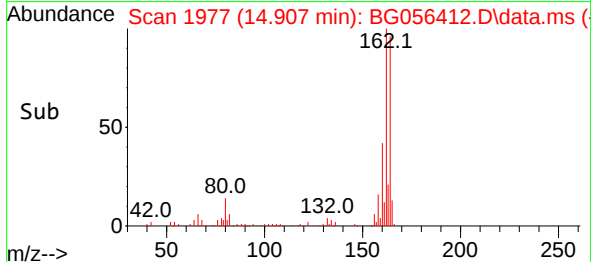
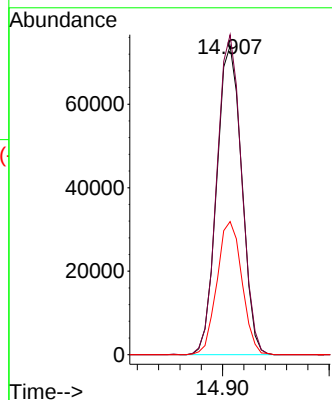
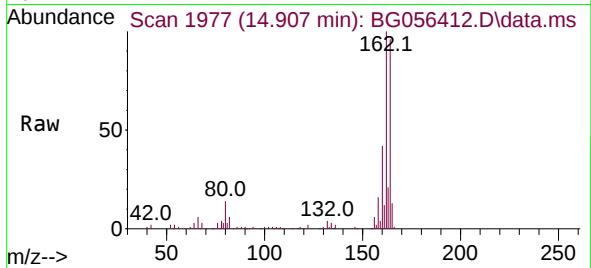




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.907 min Scan# 1984
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

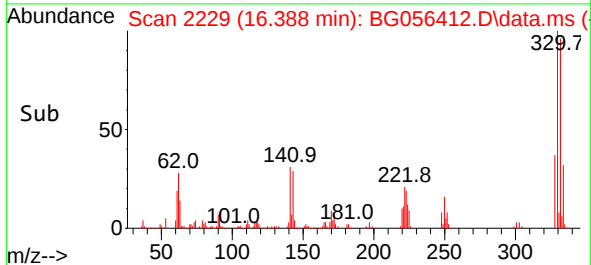
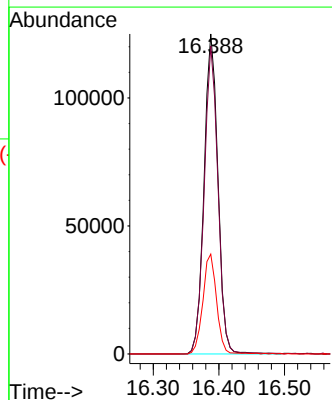
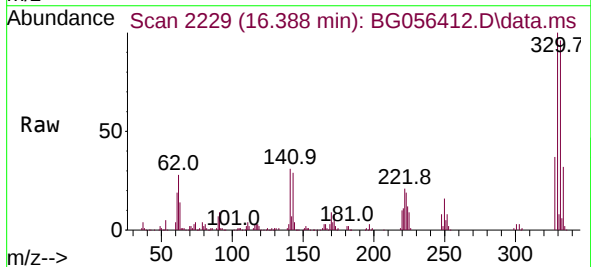
Instrument :
BNA_G
ClientSampleId :
VNJ-219

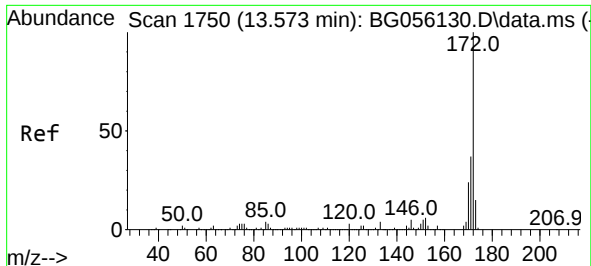
Tgt Ion:164 Resp: 120170
Ion Ratio Lower Upper
164 100
162 103.6 84.7 127.1
160 43.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 120.871 ng
RT: 16.388 min Scan# 2229
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:330 Resp: 183957
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 30.8 27.9 41.9

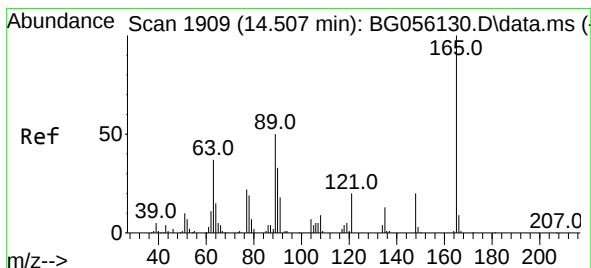
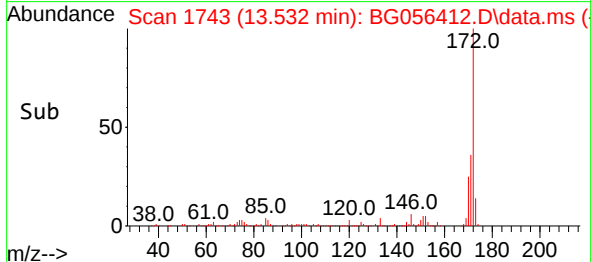
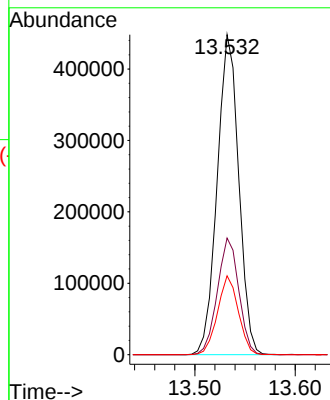
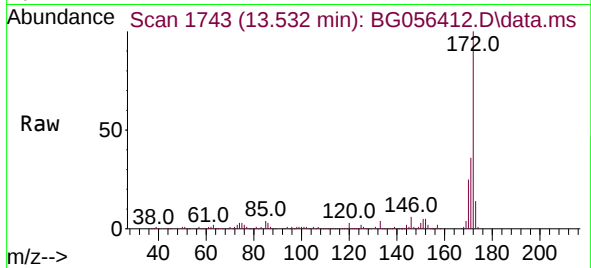




#45
2-Fluorobiphenyl
Concen: 76.687 ng
RT: 13.532 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

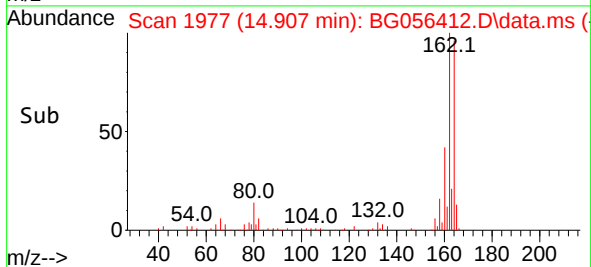
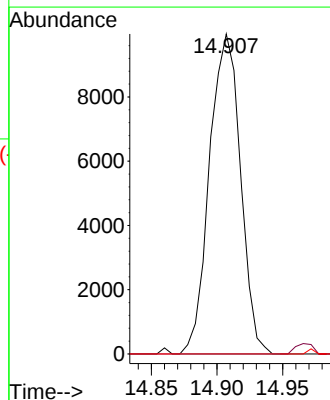
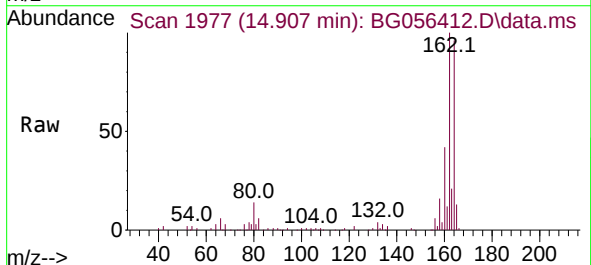
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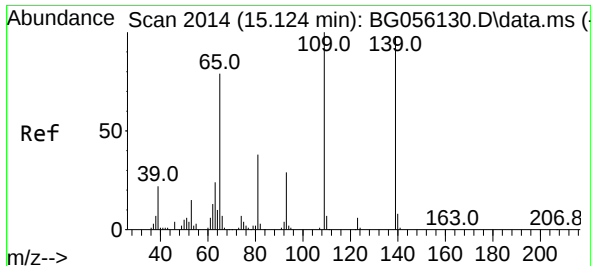
Tgt Ion:172 Resp: 667350
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.6 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.907 ng
RT: 14.907 min Scan# 1977
Delta R.T. 0.427 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:165 Resp: 16345
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#

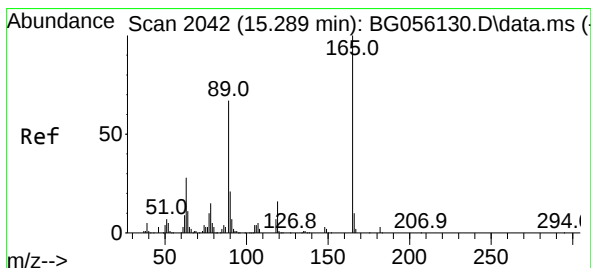
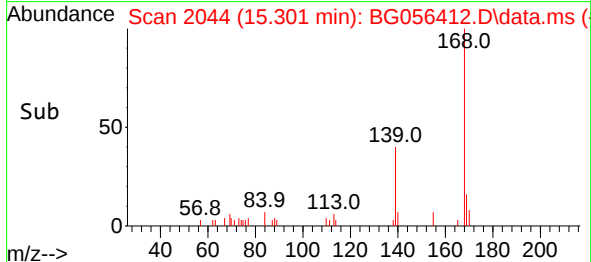
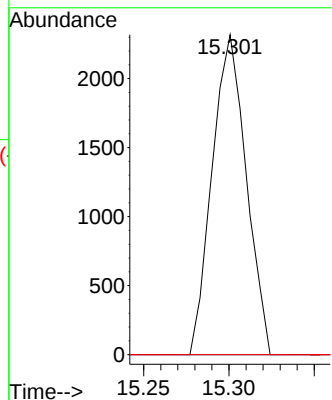
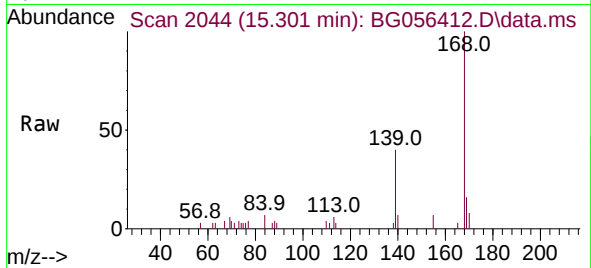




#56
4-Nitrophenol
Concen: 2.126 ng
RT: 15.301 min Scan# 2014
Delta R.T. 0.186 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

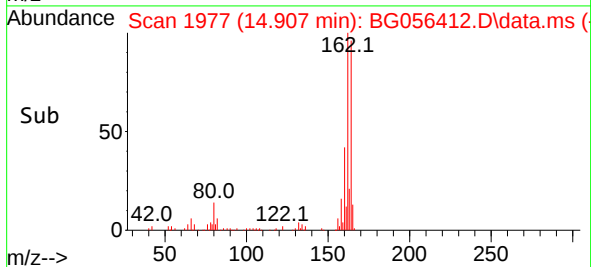
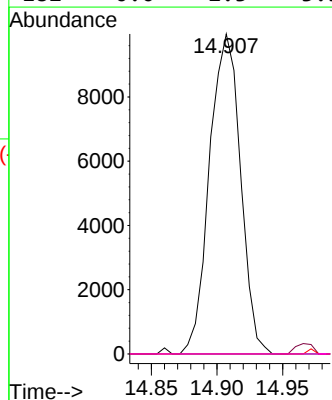
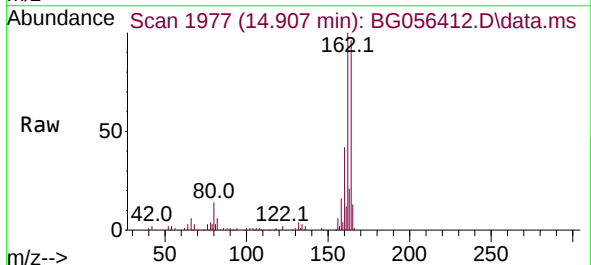
Instrument :
BNA_G
ClientSampleId :
VNJ-219

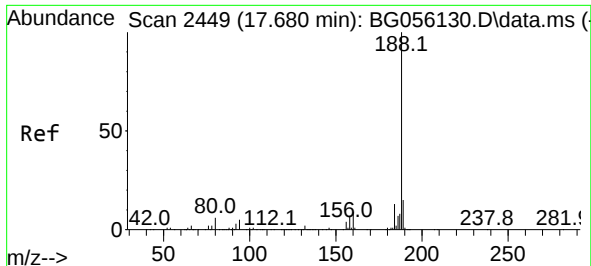
Tgt Ion:139 Resp: 3217
Ion Ratio Lower Upper
139 100
109 0.0 82.2 122.2#
65 0.0 60.6 100.6#



#57
2,4-Dinitrotoluene
Concen: 5.654 ng
RT: 14.907 min Scan# 1977
Delta R.T. -0.360 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:165 Resp: 16345
Ion Ratio Lower Upper
165 100
63 0.0 22.6 34.0#
89 0.0 53.2 79.8#
182 0.0 2.3 3.5#

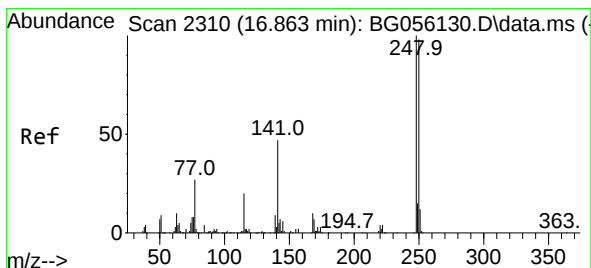
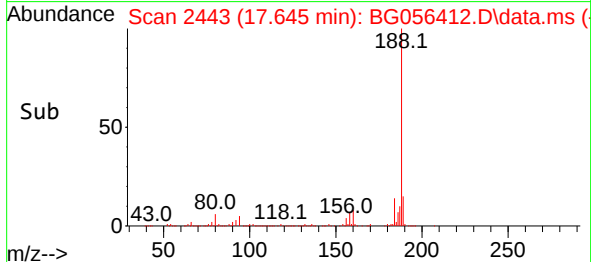
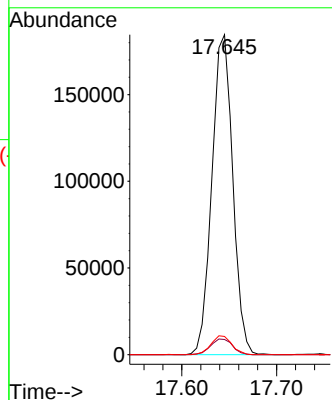
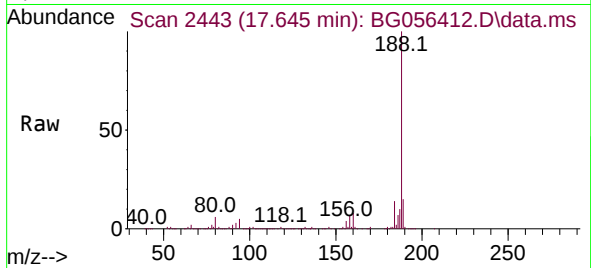




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.645 min Scan# 2449
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

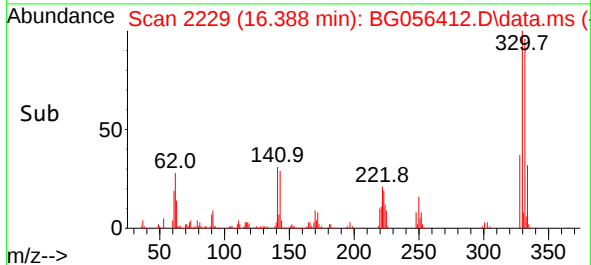
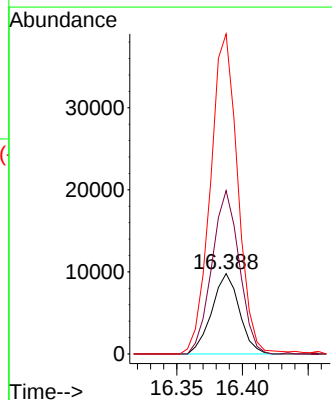
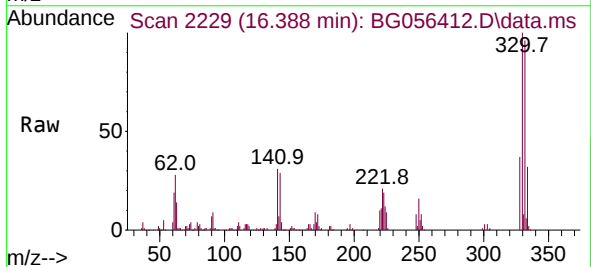
Instrument :
BNA_G
ClientSampleId :
VNJ-219

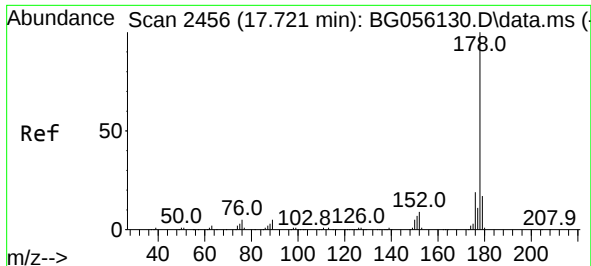
Tgt Ion:188 Resp: 281519
Ion Ratio Lower Upper
188 100
94 4.7 4.2 6.2
80 5.7 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 3.986 ng
RT: 16.388 min Scan# 2229
Delta R.T. -0.443 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:248 Resp: 14289
Ion Ratio Lower Upper
248 100
250 203.2 78.2 117.4#
141 398.0 37.6 56.4#

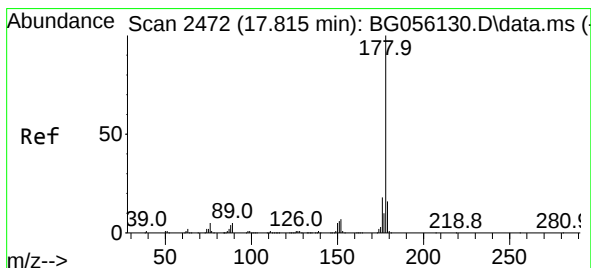
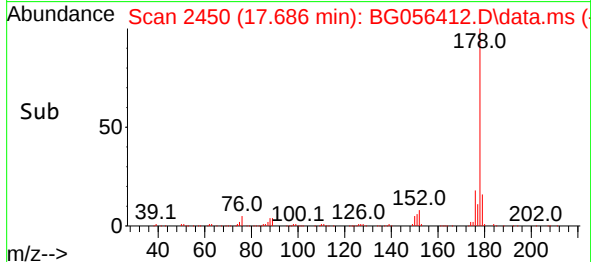
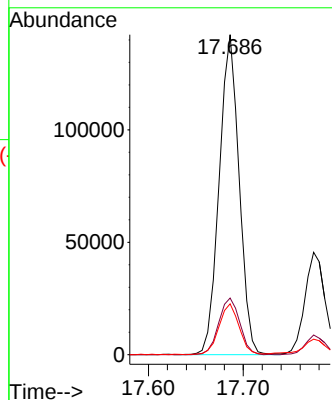
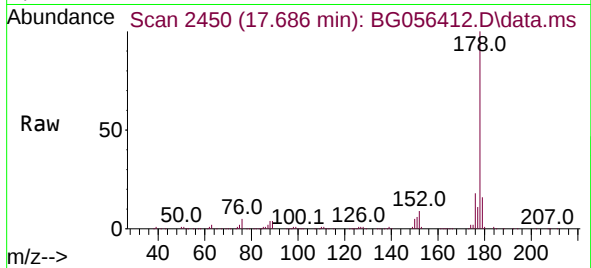




#71
Phenanthrene
Concen: 14.261 ng
RT: 17.686 min Scan# 2456
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

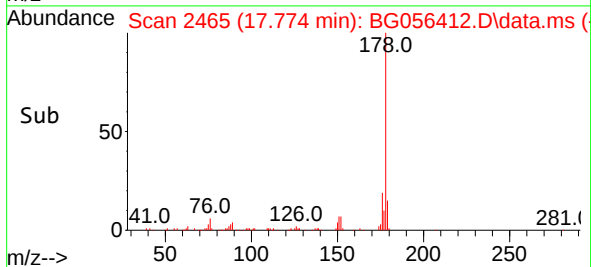
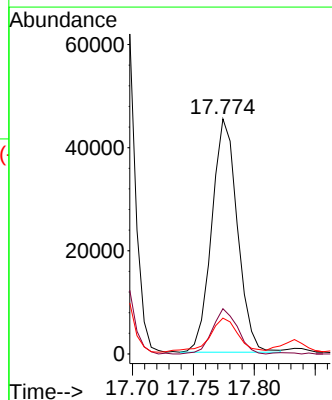
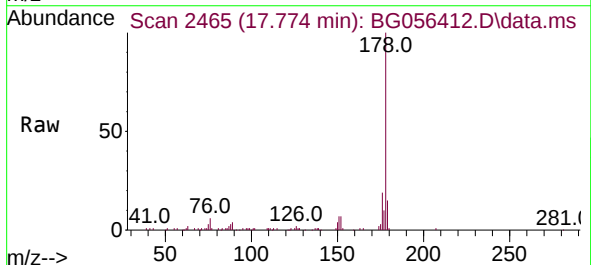
Instrument :
BNA_G
ClientSampleId :
VNJ-219

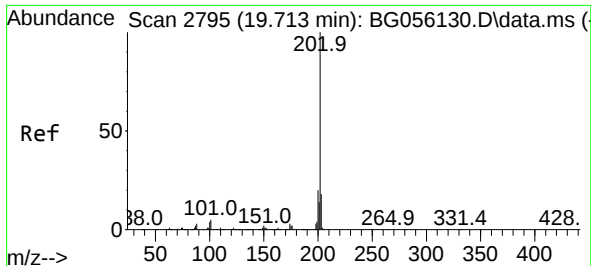
Tgt Ion:178 Resp: 208059
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 15.9 13.6 20.4



#72
Anthracene
Concen: 4.405 ng
RT: 17.774 min Scan# 2465
Delta R.T. -0.014 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:178 Resp: 66297
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 15.2 12.7 19.1

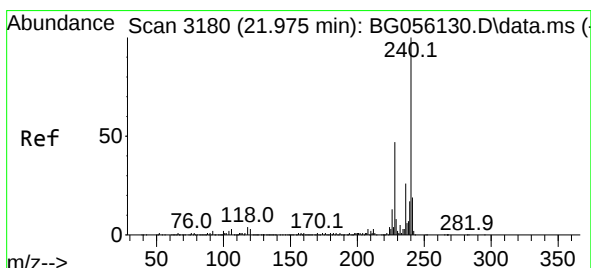
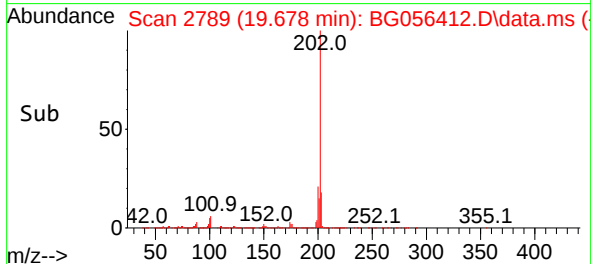
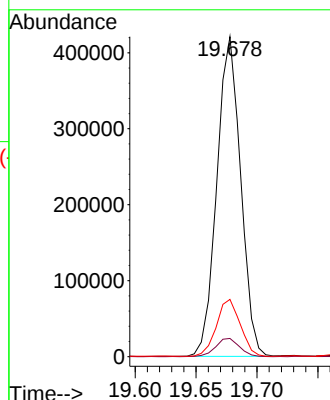
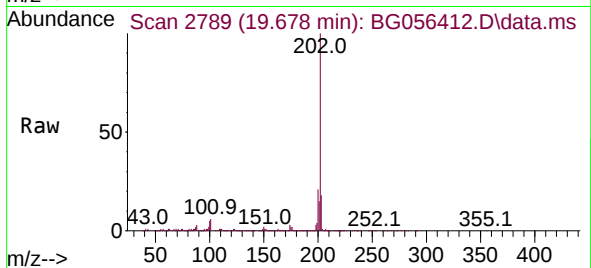




#75
Fluoranthene
Concen: 30.082 ng
RT: 19.678 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

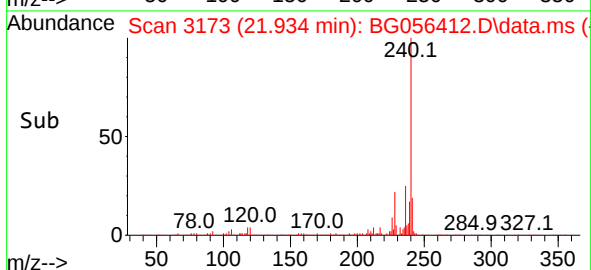
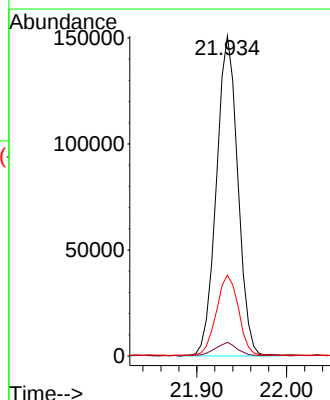
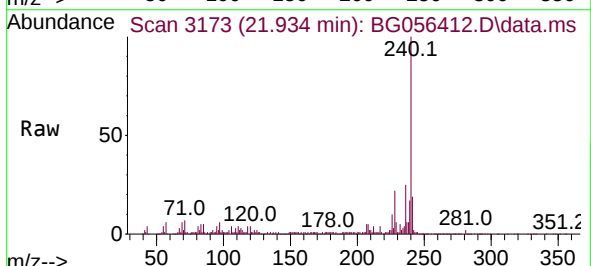
Instrument :
BNA_G
ClientSampleId :
VNJ-219

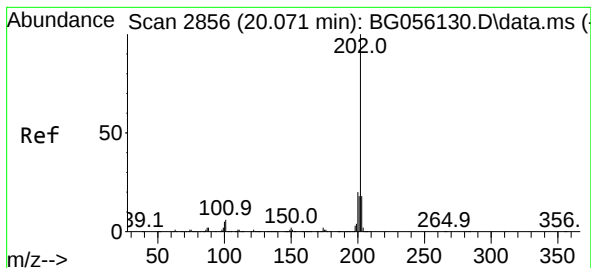
Tgt Ion:202 Resp: 572477
Ion Ratio Lower Upper
202 100
101 5.7 0.0 25.0
203 17.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.934 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:240 Resp: 250404
Ion Ratio Lower Upper
240 100
120 4.2 2.6 4.0#
236 25.3 20.8 31.2





#78

Pyrene

Concen: 27.680 ng

RT: 20.036 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

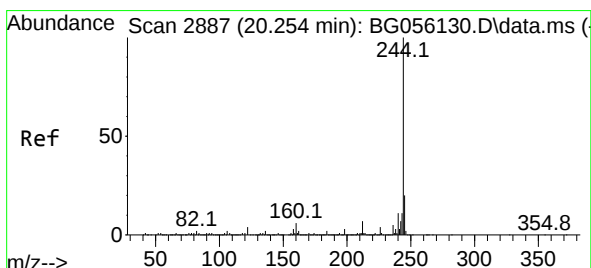
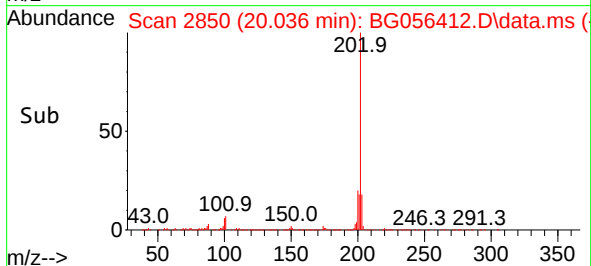
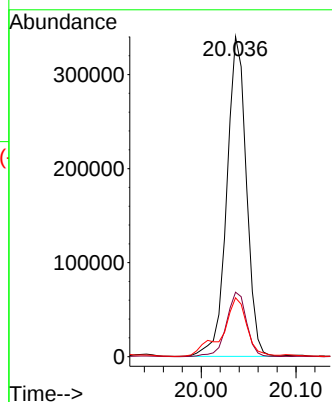
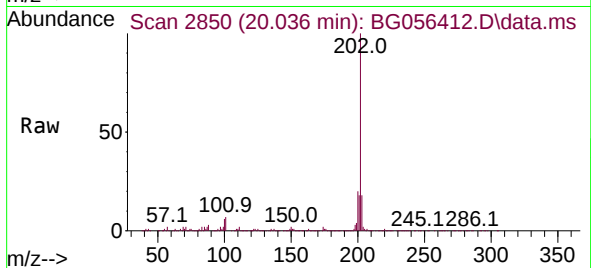
Tgt Ion:202 Resp: 488537

Ion Ratio Lower Upper

202 100

200 20.2 16.4 24.6

203 18.4 14.3 21.5



#79

Terphenyl-d14

Concen: 75.753 ng

RT: 20.218 min Scan# 2881

Delta R.T. -0.008 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

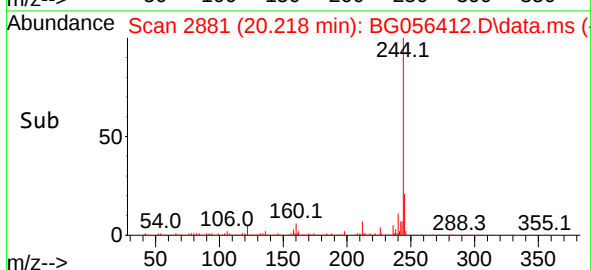
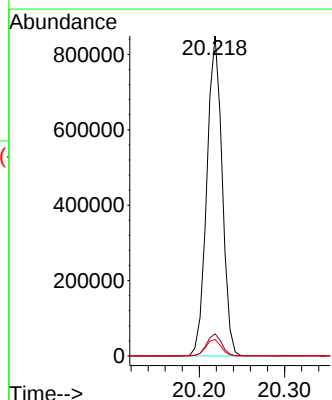
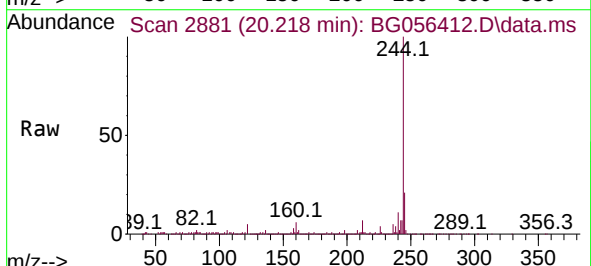
Tgt Ion:244 Resp: 1059094

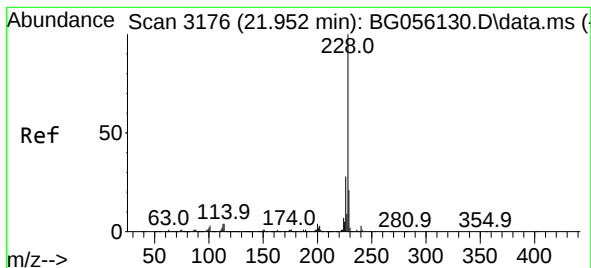
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 5.2 3.5 5.3





#81

Benzo(a)anthracene

Concen: 17.045 ng

RT: 21.911 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

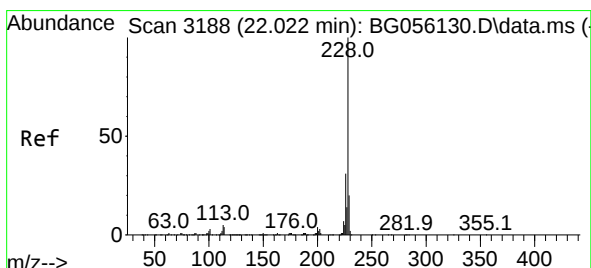
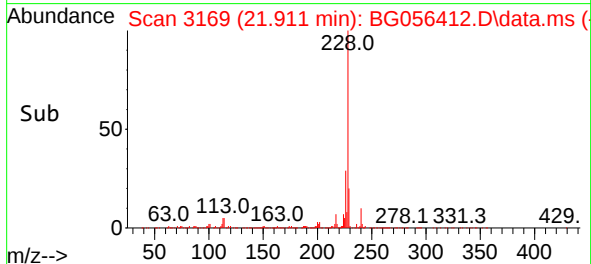
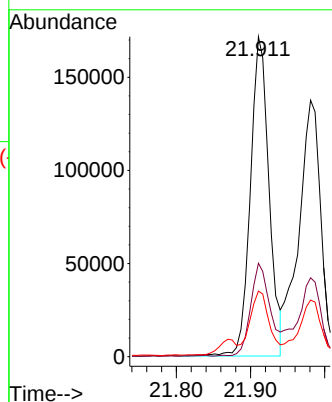
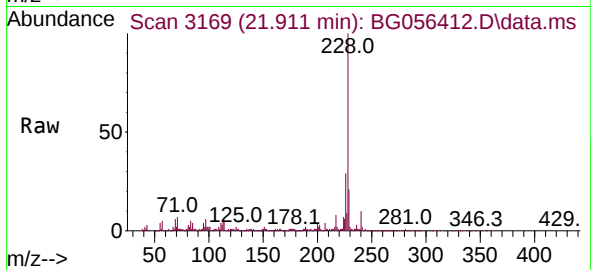
Tgt Ion:228 Resp: 299790

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 20.5 16.9 25.3



#83

Chrysene

Concen: 17.158 ng

RT: 21.981 min Scan# 3181

Delta R.T. -0.014 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

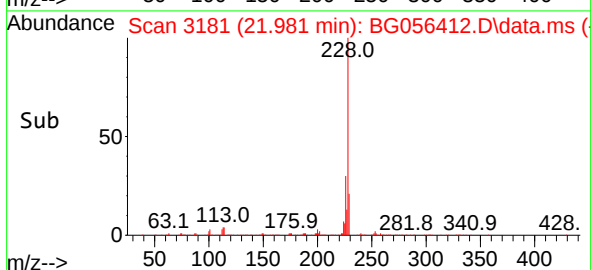
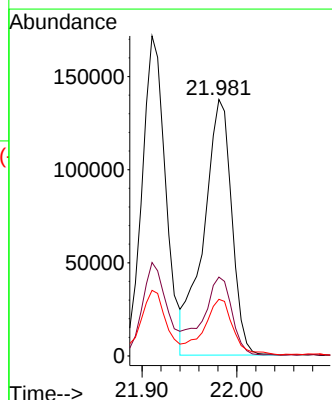
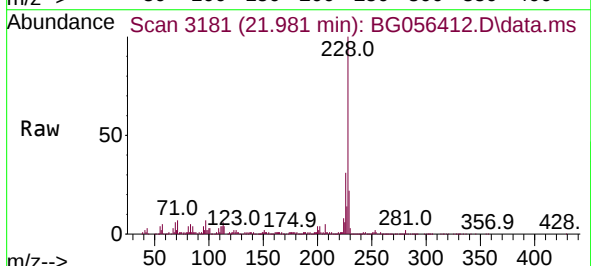
Tgt Ion:228 Resp: 282665

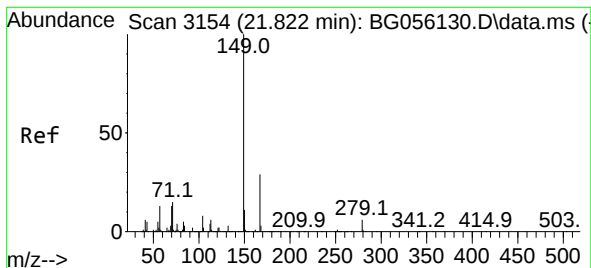
Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 22.1 15.8 23.6

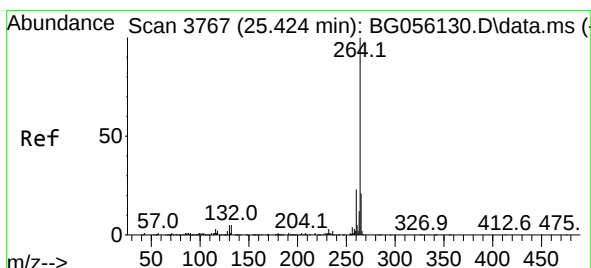
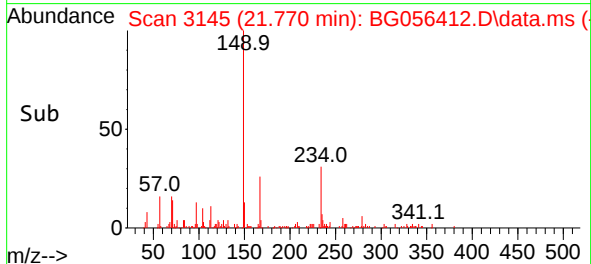
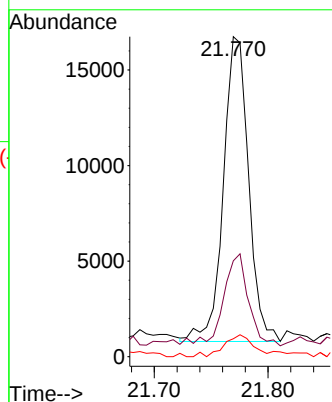
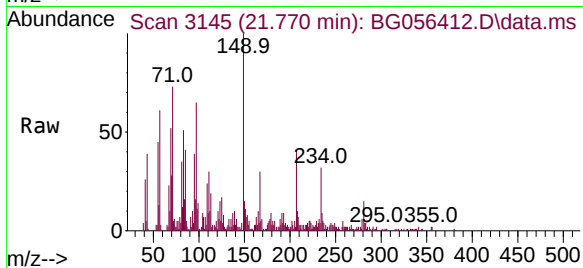




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.365 ng
RT: 21.770 min Scan# 3154
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

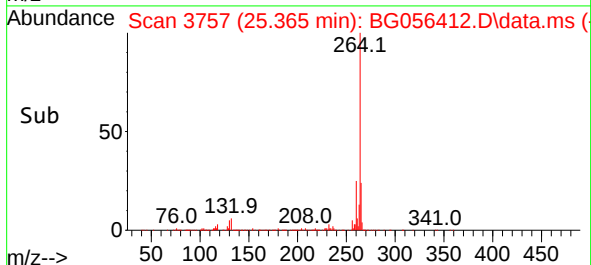
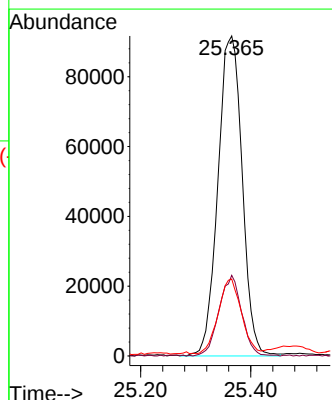
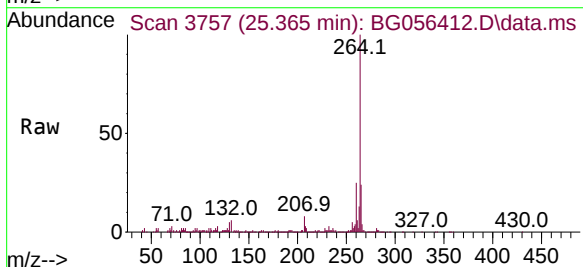
Instrument :
BNA_G
ClientSampleId :
VNJ-219

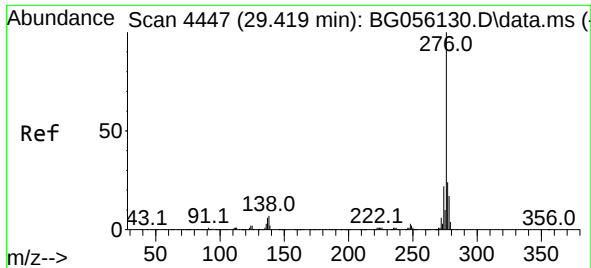
Tgt Ion:149 Resp: 24546
Ion Ratio Lower Upper
149 100
167 30.0 23.4 35.2
279 5.6 4.7 7.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.365 min Scan# 3757
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:264 Resp: 280783
Ion Ratio Lower Upper
264 100
260 25.2 18.6 28.0
265 24.1 16.7 25.1

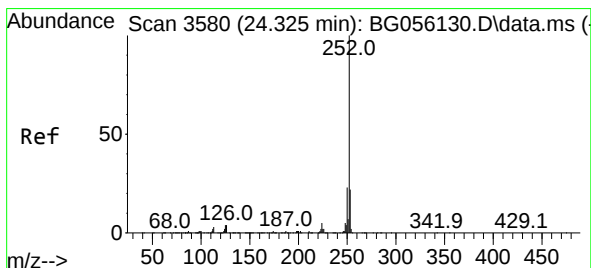
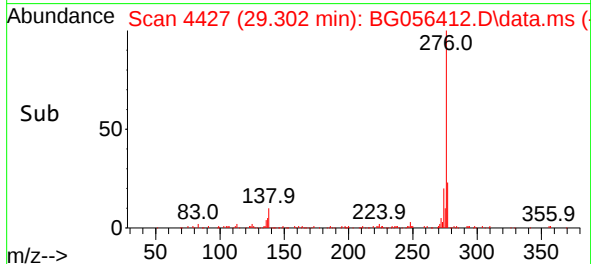
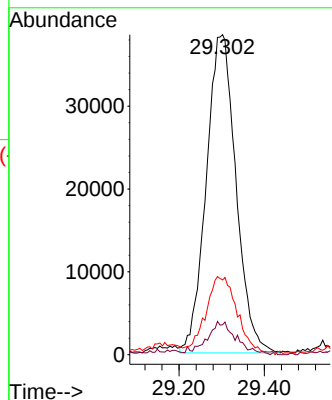
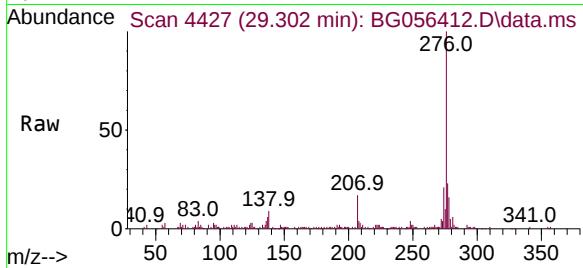




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.134 ng
 RT: 29.302 min Scan# 4427
 Delta R.T. -0.031 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

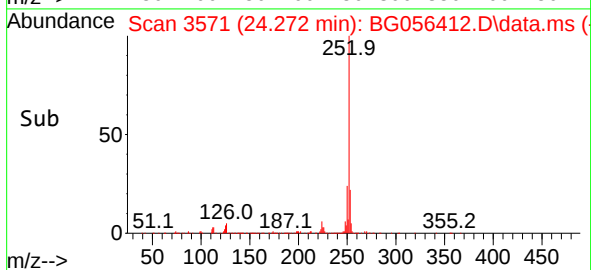
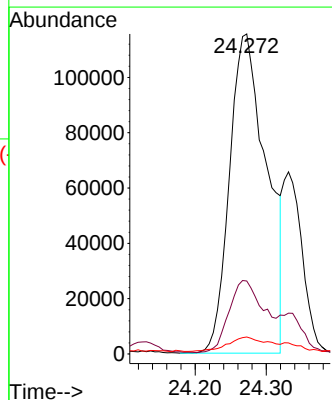
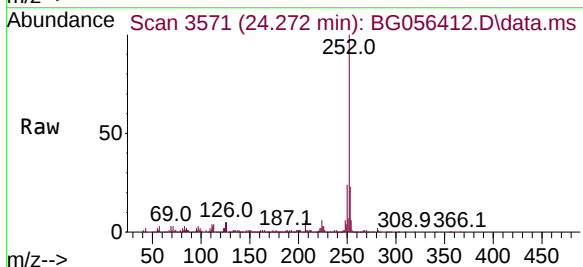
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

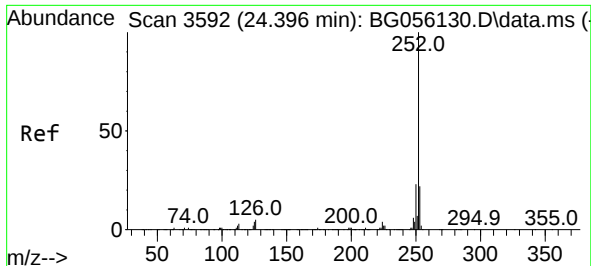
Tgt Ion:276 Resp: 186523
 Ion Ratio Lower Upper
 276 100
 138 9.8 5.0 7.4#
 277 26.4 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 23.432 ng
 RT: 24.272 min Scan# 3571
 Delta R.T. -0.008 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

Tgt Ion:252 Resp: 418022
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.4 26.2
 125 5.3 3.0 4.4#

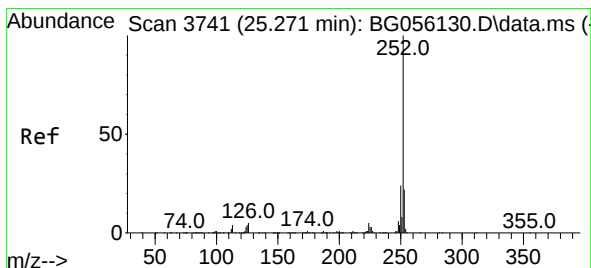
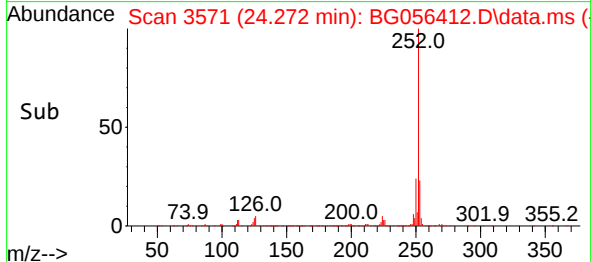
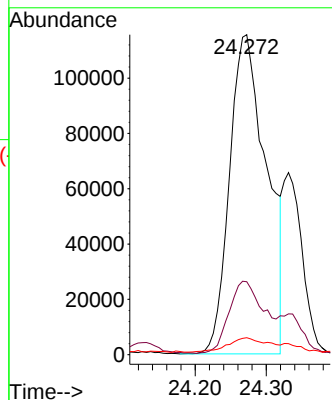
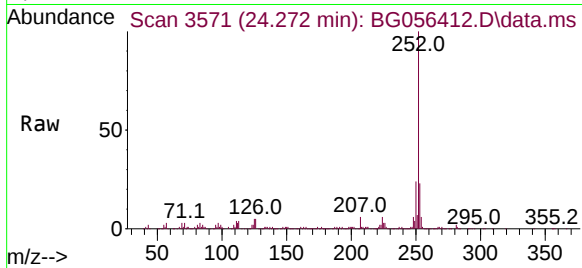




#89
Benzo(k)fluoranthene
Concen: 23.531 ng
RT: 24.272 min Scan# 31
Delta R.T. -0.078 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

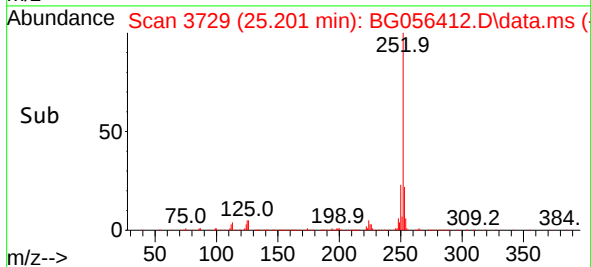
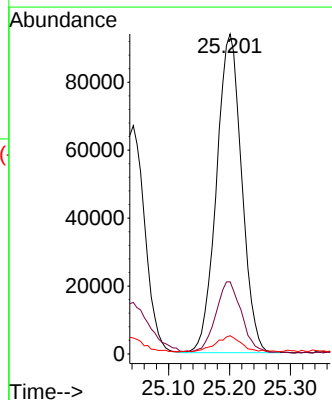
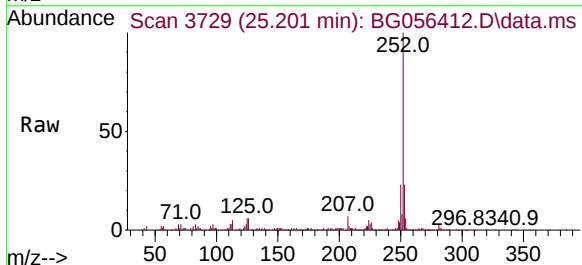
Instrument :
BNA_G
ClientSampleId :
VNJ-219

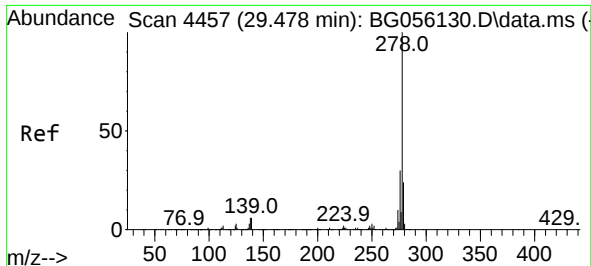
Tgt Ion:252 Resp: 418022
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 5.3 3.4 5.0#



#90
Benzo(a)pyrene
Concen: 15.472 ng
RT: 25.201 min Scan# 3729
Delta R.T. -0.014 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:252 Resp: 269219
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 5.7 3.2 4.8#

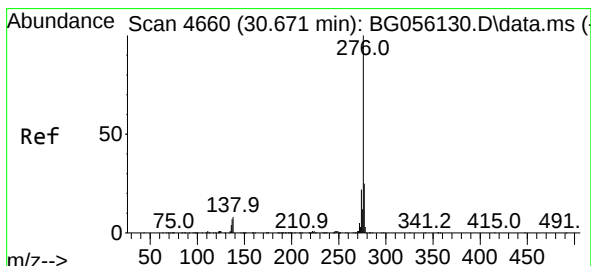
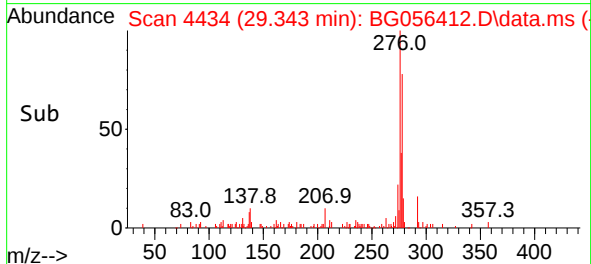
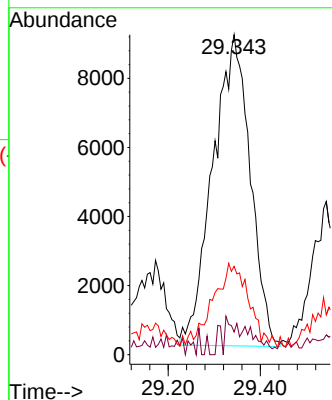
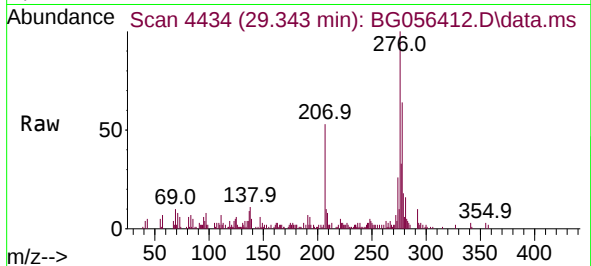




#91
 Dibenzo(a,h)anthracene
 Concen: 2.964 ng
 RT: 29.343 min Scan# 4434
 Delta R.T. -0.049 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

Tgt Ion:278 Resp: 50743
 Ion Ratio Lower Upper
 278 100
 139 7.1 4.8 7.2
 279 27.6 19.0 28.4



#92
 Benzo(g,h,i)perylene
 Concen: 9.957 ng
 RT: 30.542 min Scan# 4638
 Delta R.T. -0.031 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

Tgt Ion:276 Resp: 165304
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.7 29.5
 138 8.9 6.7 10.1

