

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058890.D
 Acq On : 29 Aug 2023 16:44
 Operator : MA/JU
 Sample : 04165-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

Quant Time: Aug 29 17:24:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

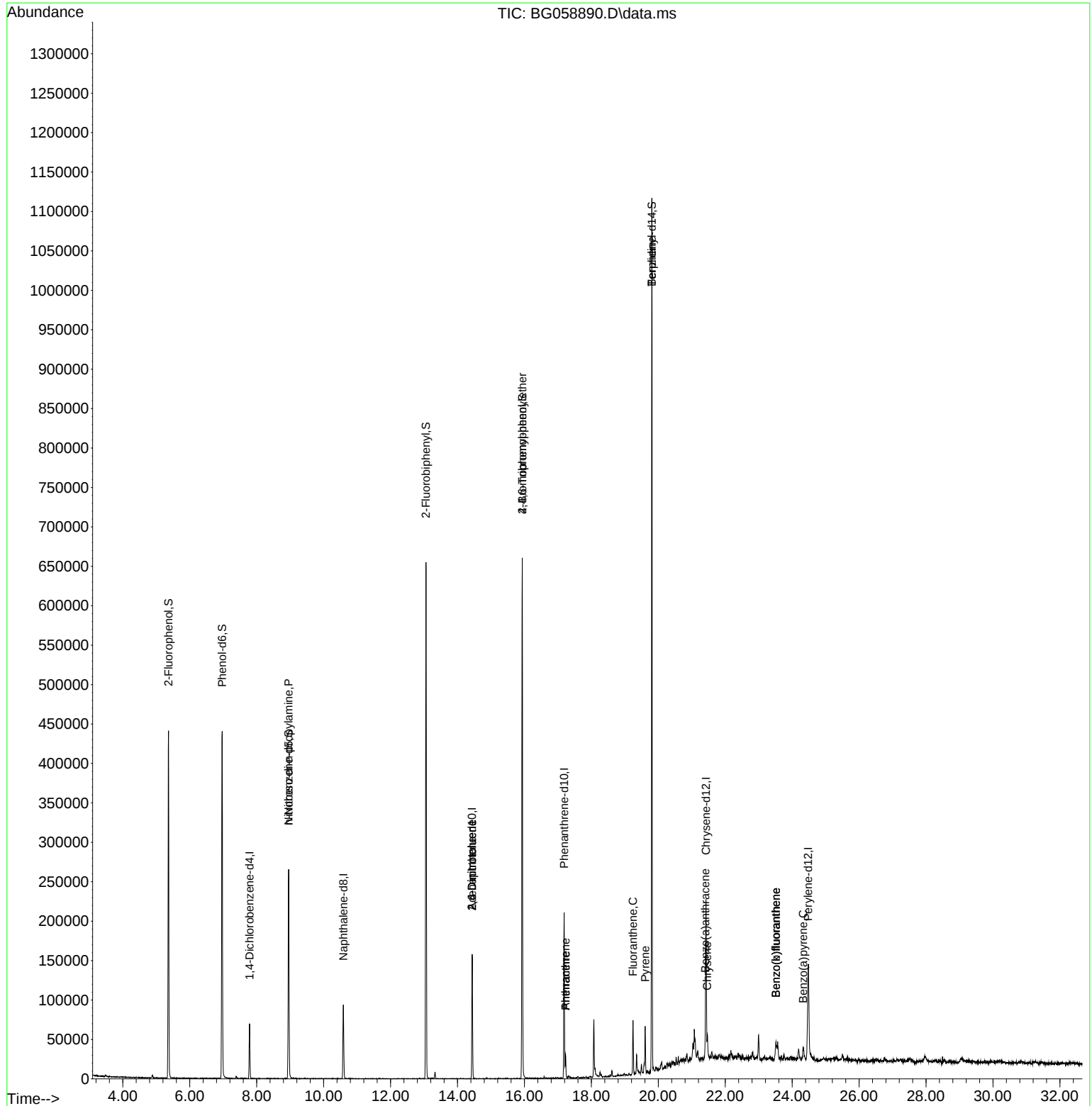
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	17911	20.000	ng	0.00
21) Naphthalene-d8	10.588	136	79676	20.000	ng	# 0.00
39) Acenaphthene-d10	14.437	164	60545	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	132411	20.000	ng	# 0.00
76) Chrysene-d12	21.422	240	108227	20.000	ng	0.00
86) Perylene-d12	24.478	264	133543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.365	112	175328	157.528	ng	0.00
7) Phenol-d6	6.969	99	240938	154.294	ng	0.00
23) Nitrobenzene-d5	8.955	82	151612	91.485	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	145558	153.326	ng	0.00
45) 2-Fluorobiphenyl	13.056	172	364688	87.608	ng	0.00
79) Terphenyl-d14	19.807	244	562560	93.334	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.955	70	20424	20.234	ng	# 73
51) 2,6-Dinitrotoluene	14.437	165	8181	8.307	ng	# 22
57) 2,4-Dinitrotoluene	14.437	165	8181	5.956	ng	# 19
67) 4-Bromophenyl-phenylether	15.935	248	9239	6.359	ng	# 1
71) Phenanthrene	17.227	178	20091	3.161	ng	98
72) Anthracene	17.227	178	20091	3.151	ng	99
75) Fluoranthene	19.243	202	40841	5.181	ng	96
77) Benzidine	19.807	184	8773	4.523	ng	# 93
78) Pyrene	19.607	202	36656	4.861	ng	99
81) Benzo(a)anthracene	21.405	228	16106	2.138	ng	97
83) Chrysene	21.464	228	19579	2.696	ng	96
88) Benzo(b)fluoranthene	23.514	252	27320	3.687	ng	# 92
89) Benzo(k)fluoranthene	23.514	252	27320	3.575	ng	# 94
90) Benzo(a)pyrene	24.331	252	16806	2.303	ng	99

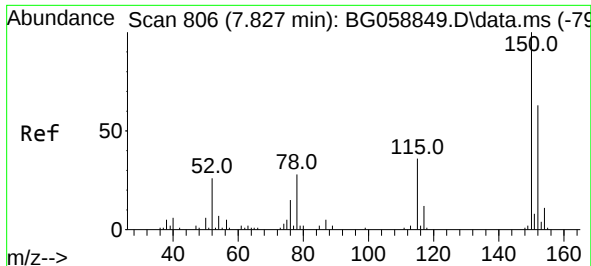
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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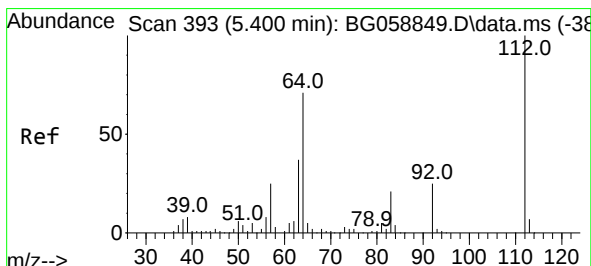
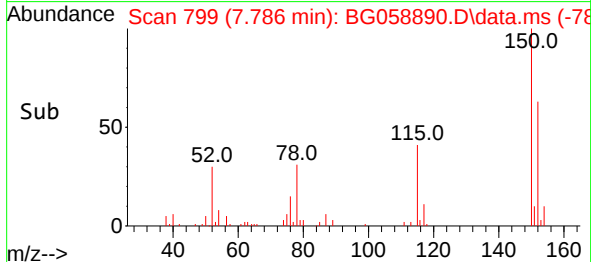
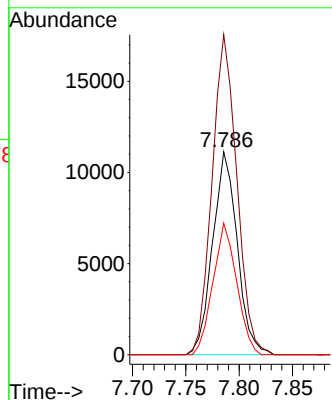
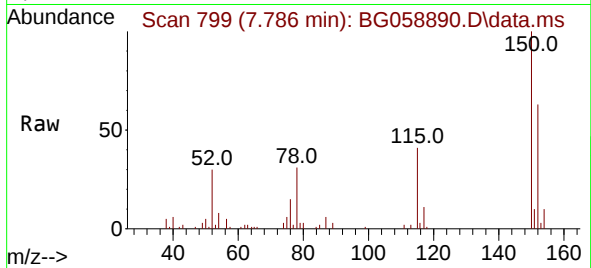




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 79
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

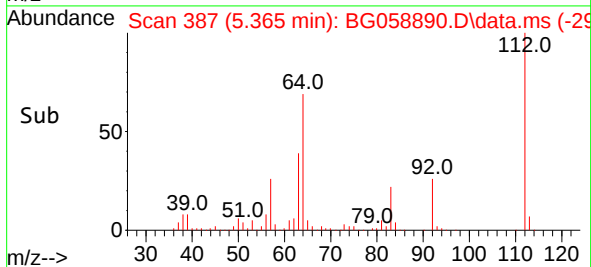
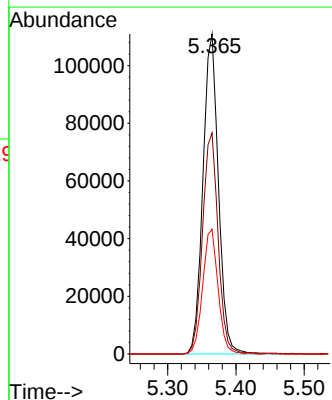
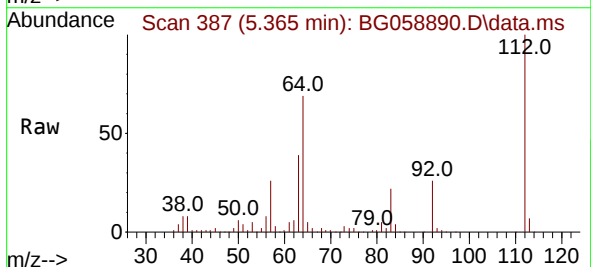
Instrument :
BNA_G
ClientSampleId :
VNJ-208

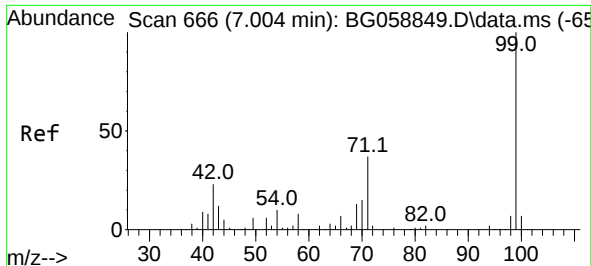
Tgt Ion:152 Resp: 17911
Ion Ratio Lower Upper
152 100
150 157.7 128.6 192.8
115 64.8 50.4 75.6



#5
2-Fluorophenol
Concen: 157.528 ng
RT: 5.365 min Scan# 387
Delta R.T. 0.008 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:112 Resp: 175328
Ion Ratio Lower Upper
112 100
64 69.1 60.6 90.8
63 39.0 31.0 46.4

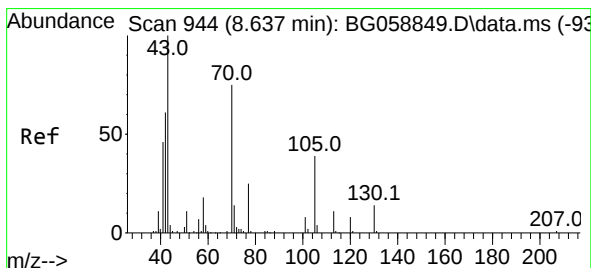
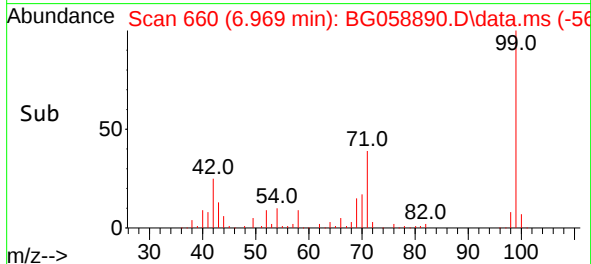
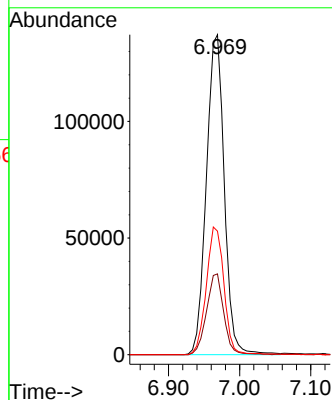
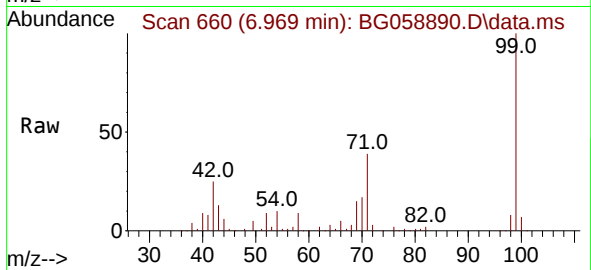




#7
Phenol-d6
Concen: 154.294 ng
RT: 6.969 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

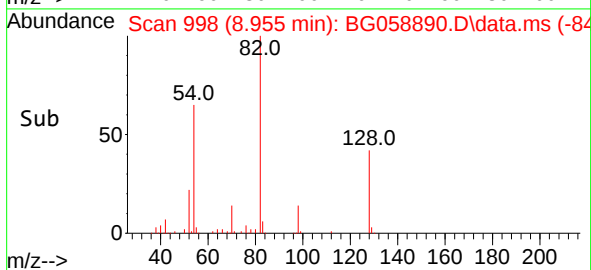
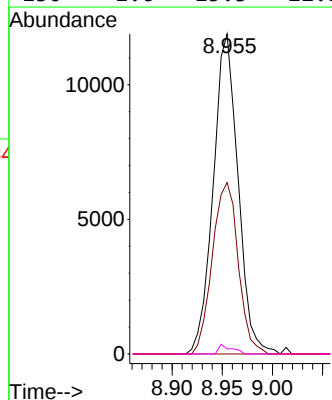
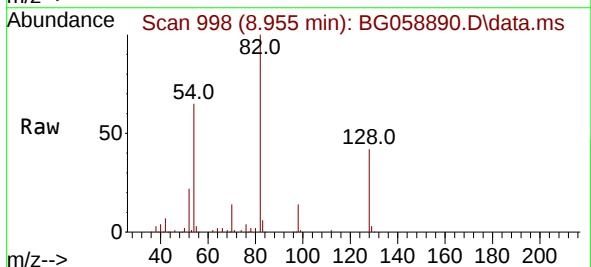
Instrument :
BNA_G
ClientSampleId :
VNJ-208

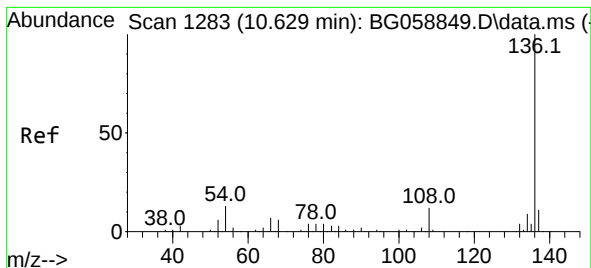
Tgt Ion: 99 Resp: 240938
Ion Ratio Lower Upper
99 100
42 25.3 16.5 24.7#
71 38.6 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.234 ng
RT: 8.955 min Scan# 998
Delta R.T. 0.355 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion: 70 Resp: 20424
Ion Ratio Lower Upper
70 100
42 53.5 59.2 88.8#
101 0.0 8.2 12.2#
130 1.6 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.588 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

Tgt Ion:136 Resp: 79676

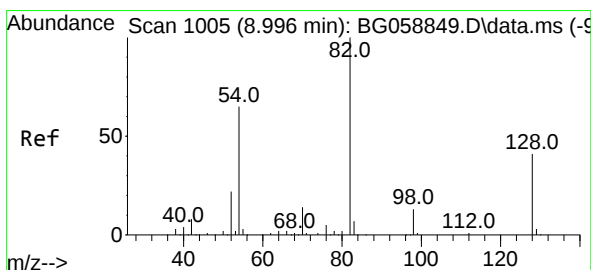
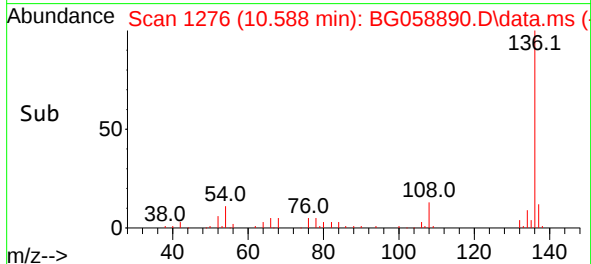
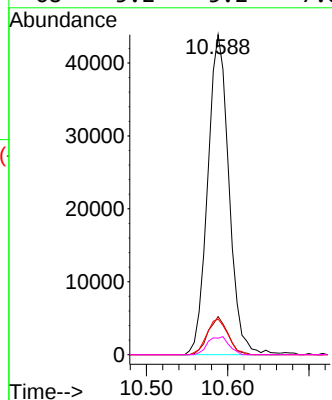
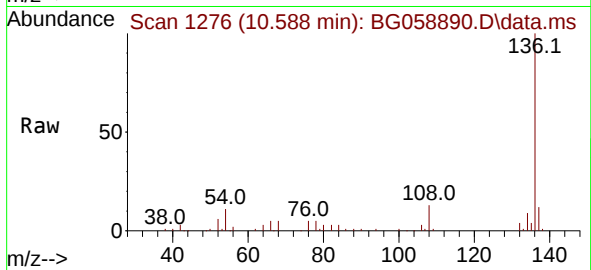
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 11.1 10.1 15.1

68 5.2 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 91.485 ng

RT: 8.955 min Scan# 998

Delta R.T. -0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

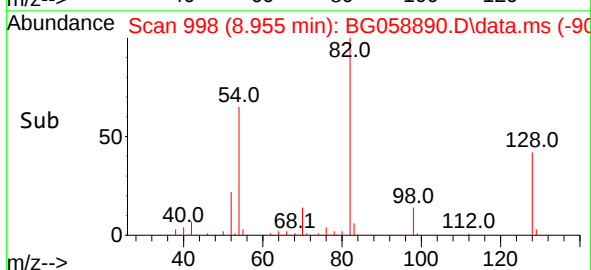
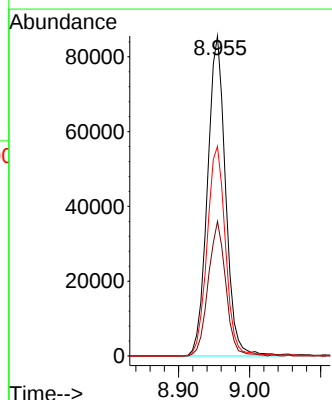
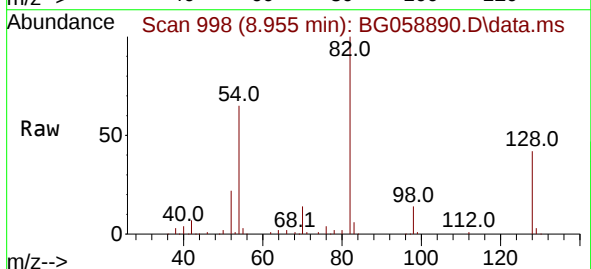
Tgt Ion: 82 Resp: 151612

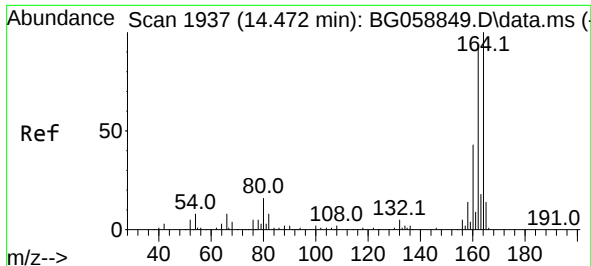
Ion Ratio Lower Upper

82 100

128 42.0 33.2 49.8

54 65.5 51.2 76.8

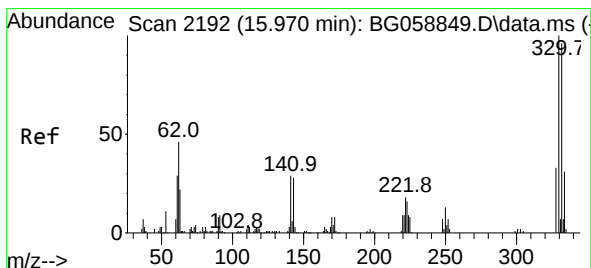
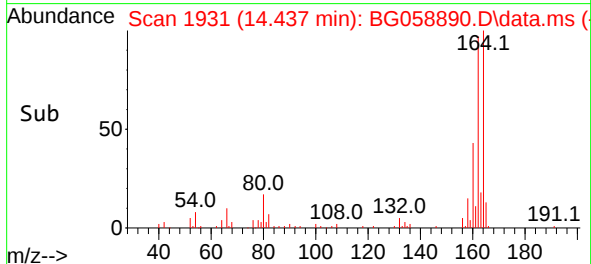
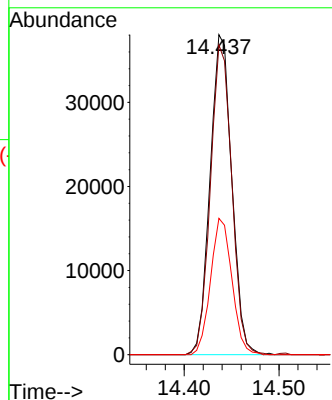
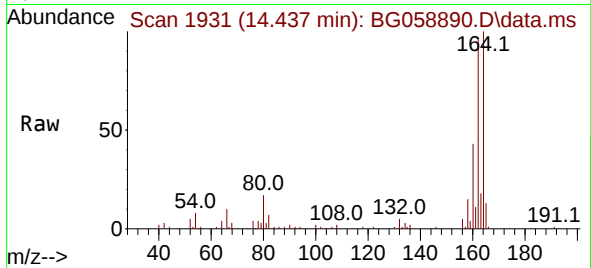




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.437 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

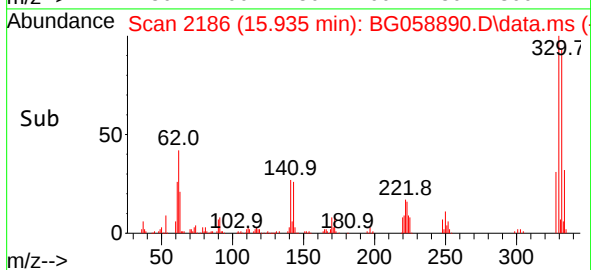
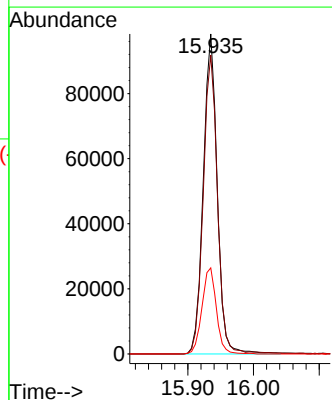
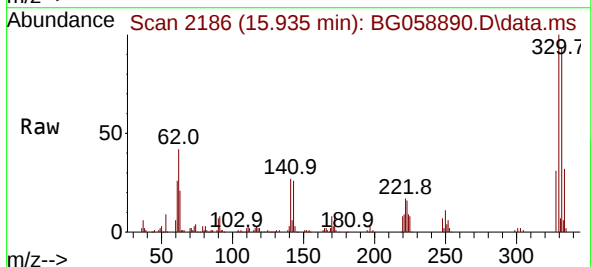
Instrument :
BNA_G
ClientSampleId :
VNJ-208

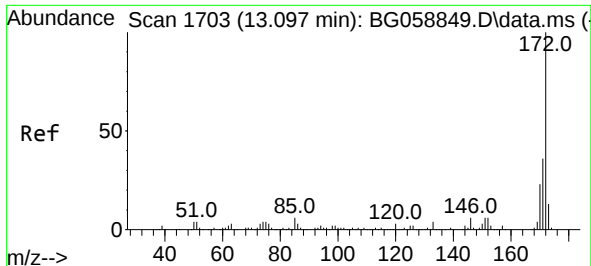
Tgt Ion:164 Resp: 60545
Ion Ratio Lower Upper
164 100
162 96.8 79.6 119.4
160 42.6 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 153.326 ng
RT: 15.935 min Scan# 2186
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:330 Resp: 145558
Ion Ratio Lower Upper
330 100
332 95.6 78.5 117.7
141 27.7 23.0 34.6

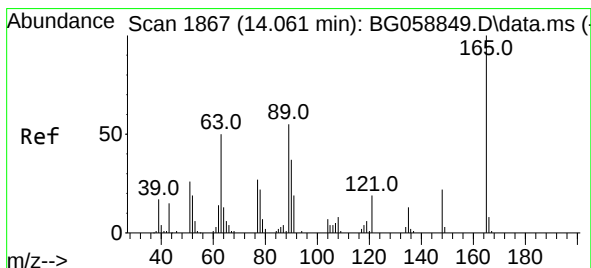
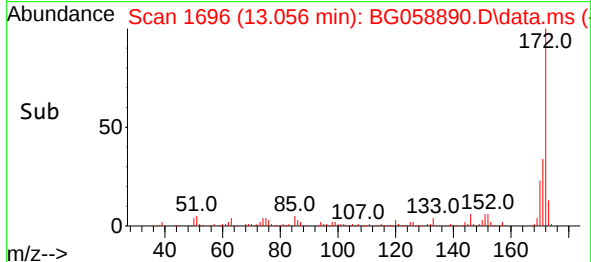
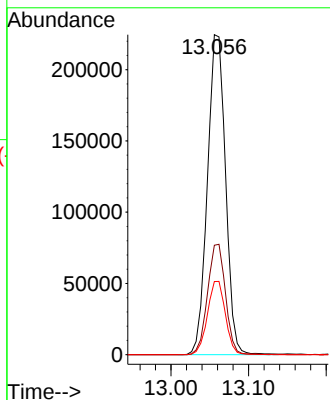
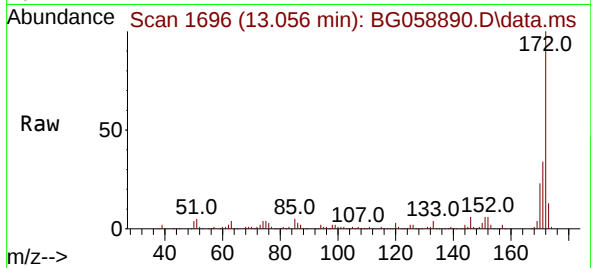




#45
2-Fluorobiphenyl
Concen: 87.608 ng
RT: 13.056 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

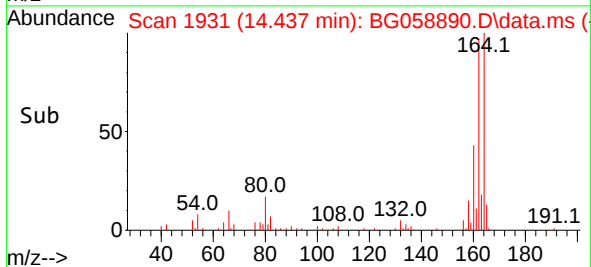
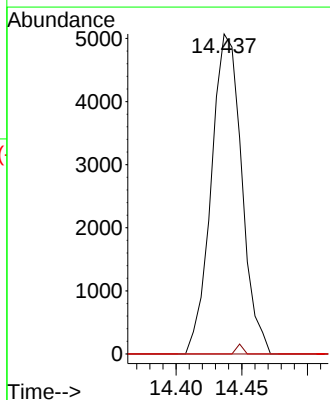
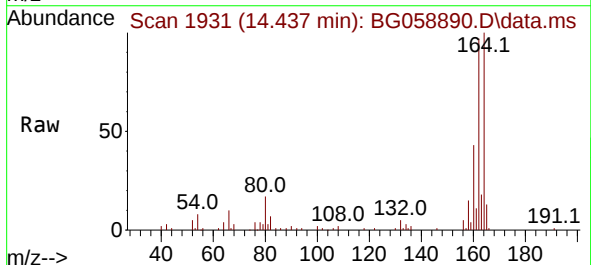
Instrument :
BNA_G
ClientSampleId :
VNJ-208

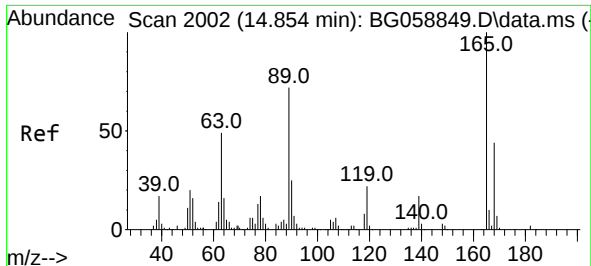
Tgt Ion:172 Resp: 364688
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.307 ng
RT: 14.437 min Scan# 1931
Delta R.T. 0.408 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:165 Resp: 8181
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.956 ng

RT: 14.437 min Scan# 1931

Delta R.T. -0.385 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

Tgt Ion:165 Resp: 8181

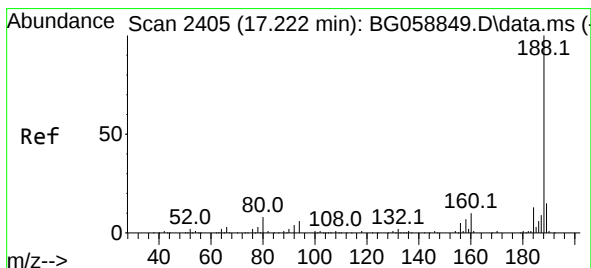
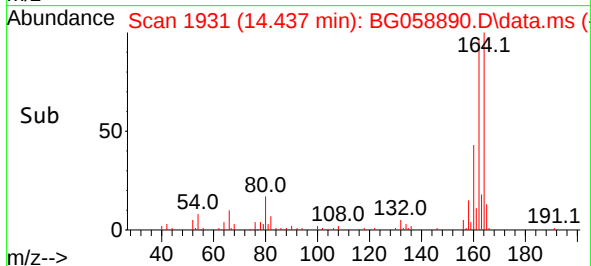
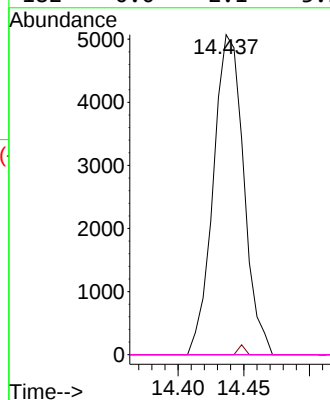
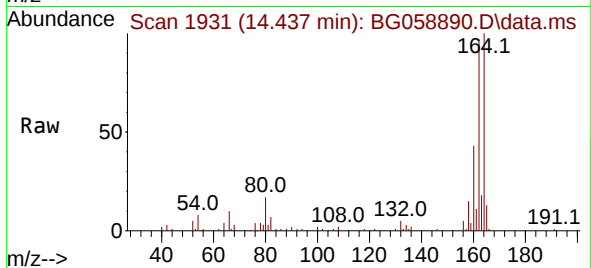
Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.6#

89 0.0 60.7 91.1#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2399

Delta R.T. 0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

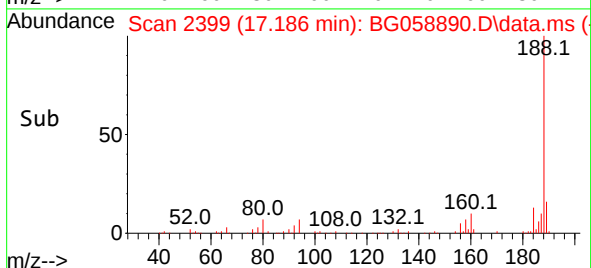
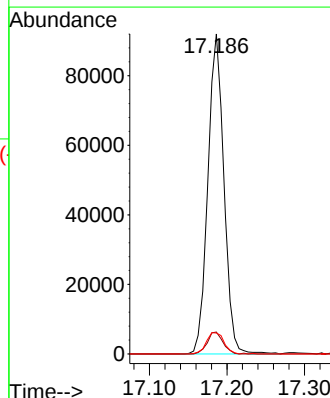
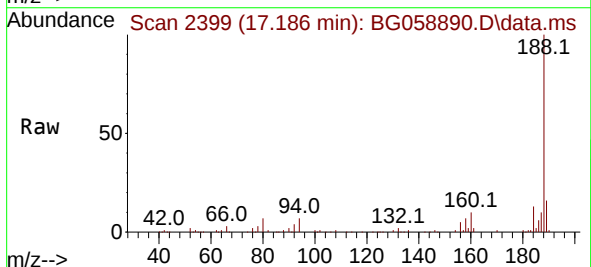
Tgt Ion:188 Resp: 132411

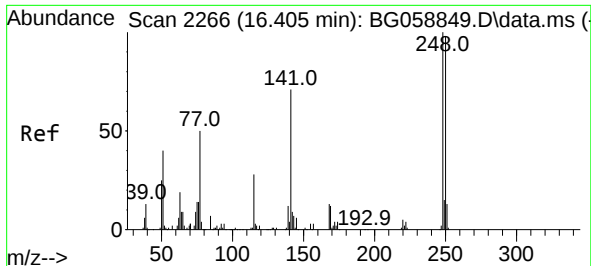
Ion Ratio Lower Upper

188 100

94 6.8 6.1 9.1

80 6.6 6.9 10.3#

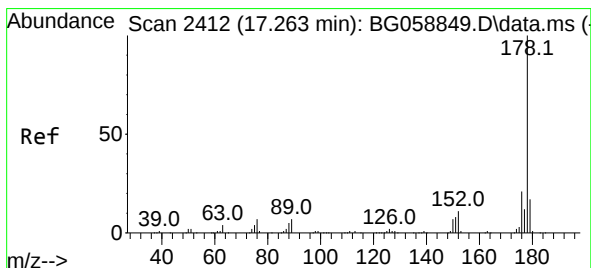
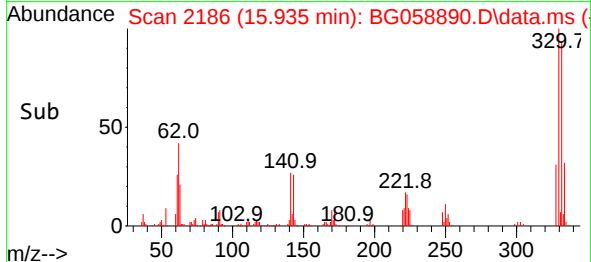
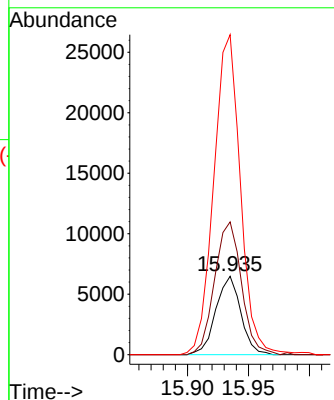
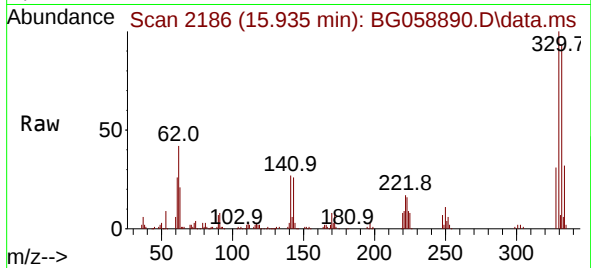




#67
4-Bromophenyl-phenylether
Concen: 6.359 ng
RT: 15.935 min Scan# 2186
Delta R.T. -0.438 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

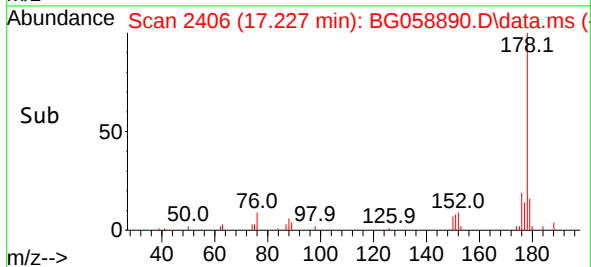
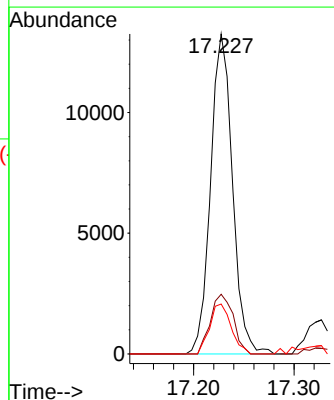
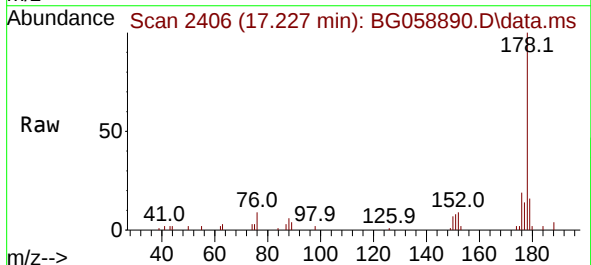
Instrument :
BNA_G
ClientSampleId :
VNJ-208

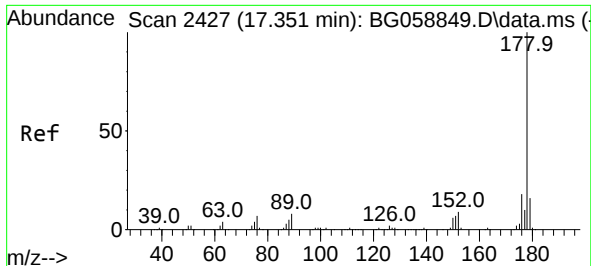
Tgt Ion:248 Resp: 9239
Ion Ratio Lower Upper
248 100
250 169.4 77.7 116.5#
141 408.3 53.6 80.4#



#71
Phenanthrene
Concen: 3.161 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

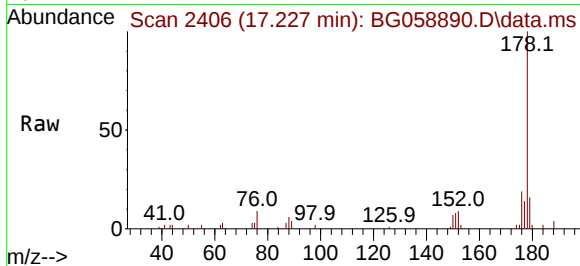
Tgt Ion:178 Resp: 20091
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.6 13.0 19.4



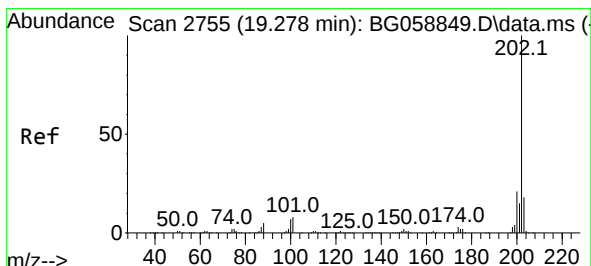
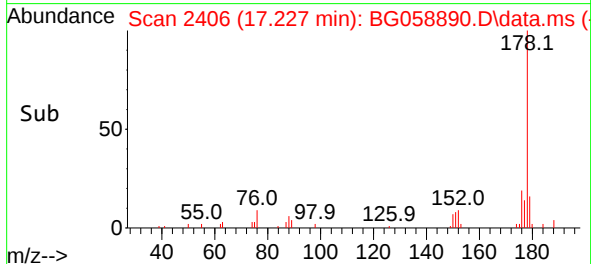
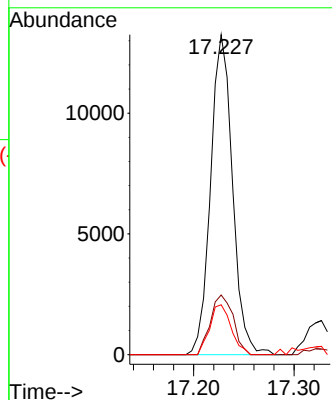


#72
 Anthracene
 Concen: 3.151 ng
 RT: 17.227 min Scan# 2427
 Delta R.T. -0.091 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

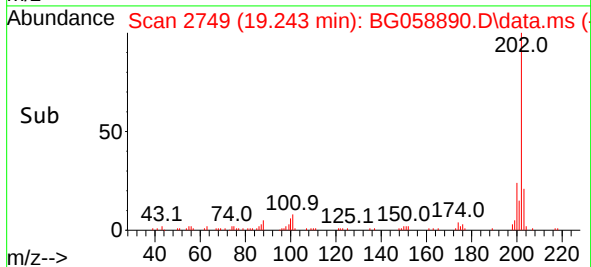
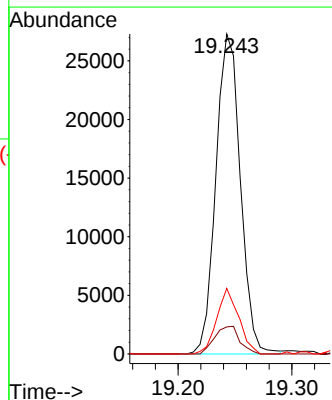
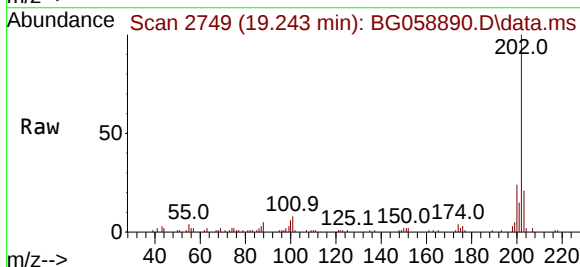


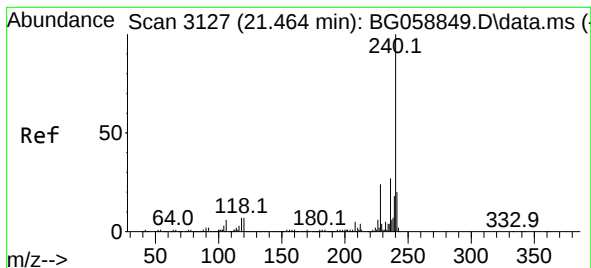
Tgt Ion:178 Resp: 20091
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 15.6 12.9 19.3



#75
 Fluoranthene
 Concen: 5.181 ng
 RT: 19.243 min Scan# 2749
 Delta R.T. 0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

Tgt Ion:202 Resp: 40841
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 29.7
 203 20.5 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.422 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

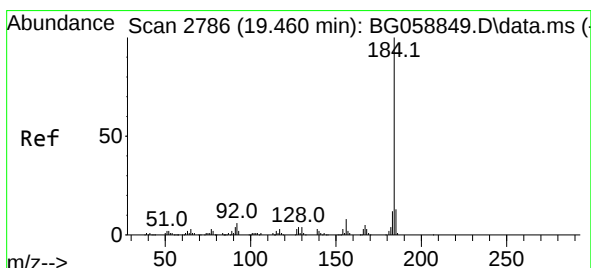
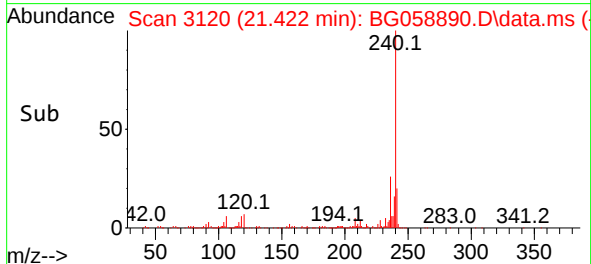
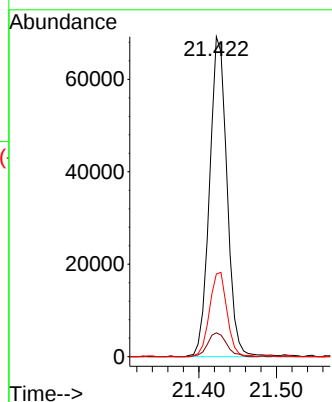
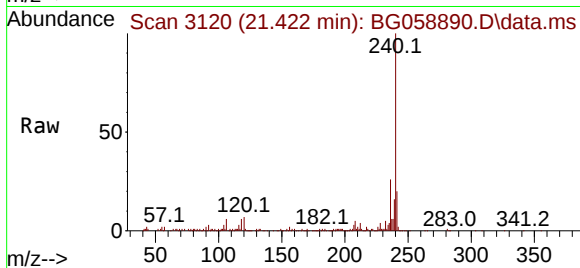
Tgt Ion:240 Resp: 108227

Ion Ratio Lower Upper

240 100

120 7.5 6.2 9.2

236 25.8 20.5 30.7



#77

Benzidine

Concen: 4.523 ng

RT: 19.807 min Scan# 2845

Delta R.T. 0.379 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

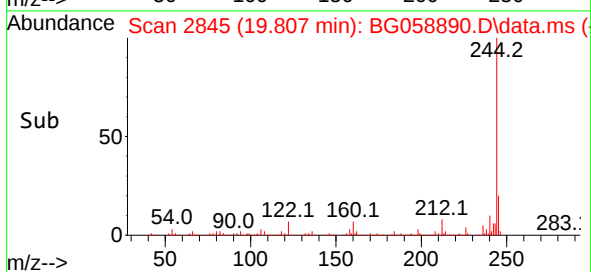
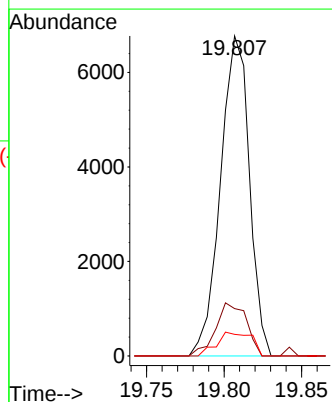
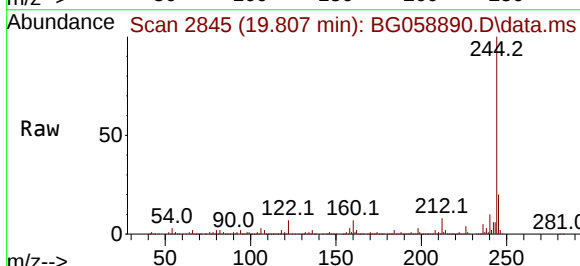
Tgt Ion:184 Resp: 8773

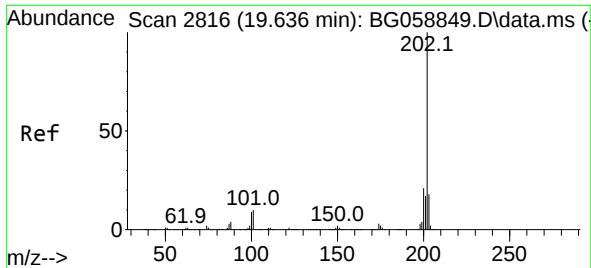
Ion Ratio Lower Upper

184 100

185 14.8 11.9 17.9

183 6.8 10.0 15.0#

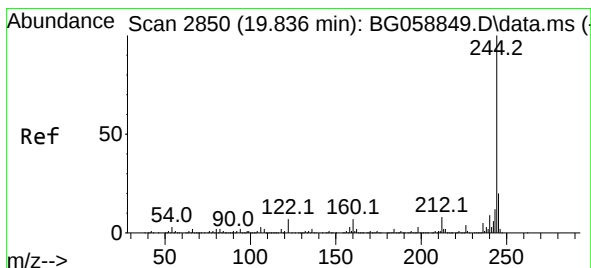
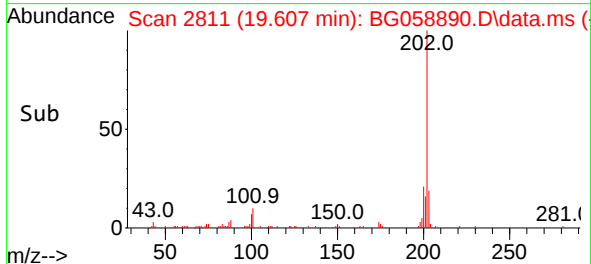
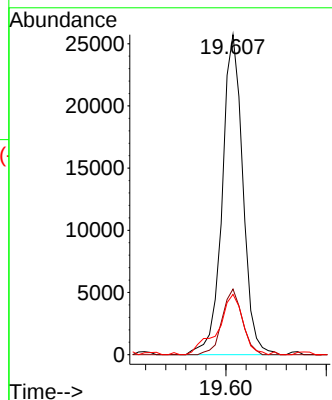
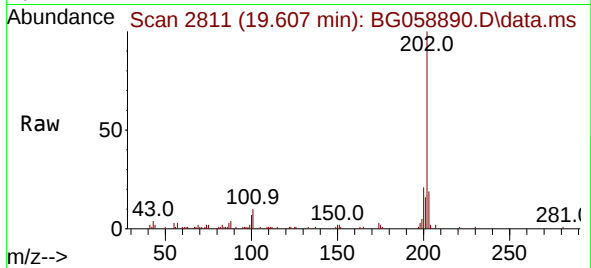




#78
 Pyrene
 Concen: 4.861 ng
 RT: 19.607 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

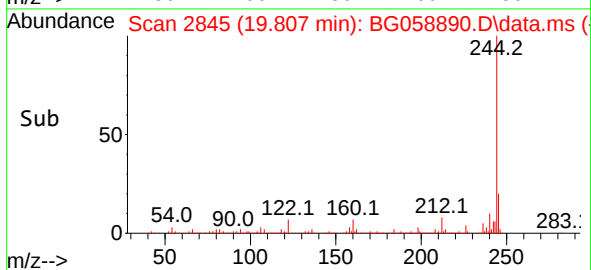
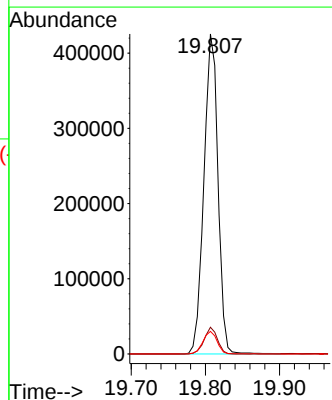
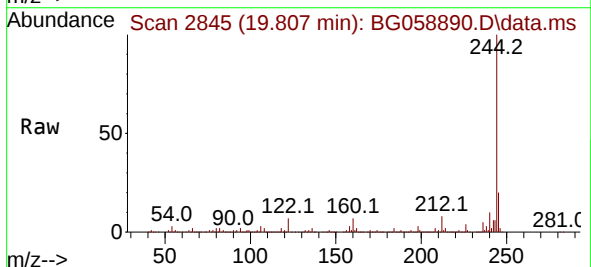
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-208

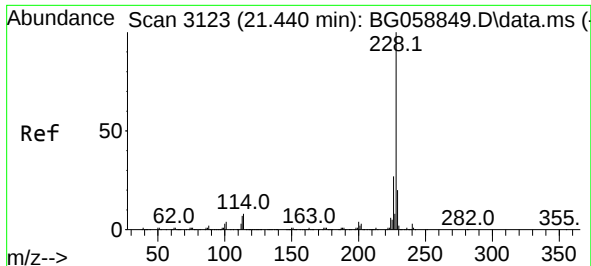
Tgt Ion:202 Resp: 36656
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.8 15.3 22.9



#79
 Terphenyl-d14
 Concen: 93.334 ng
 RT: 19.807 min Scan# 2845
 Delta R.T. 0.003 min
 Lab File: BG058890.D
 Acq: 29 Aug 2023 16:44

Tgt Ion:244 Resp: 562560
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 7.1 6.3 9.5

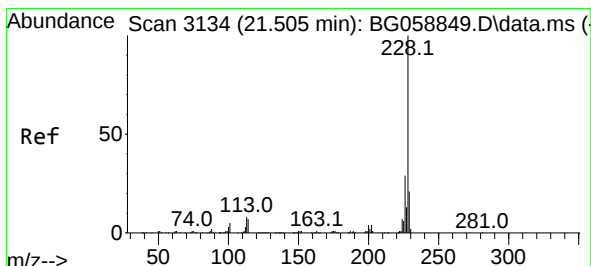
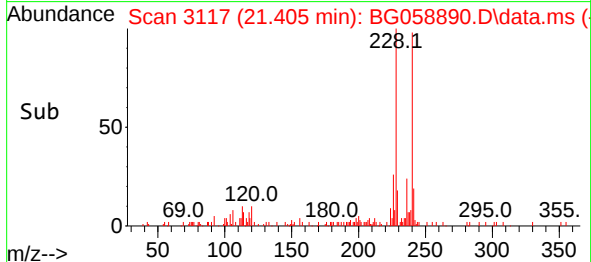
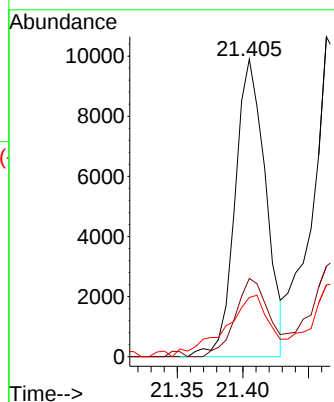
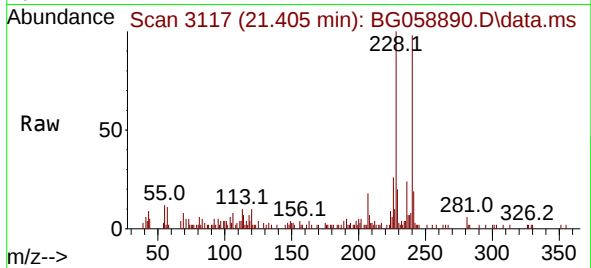




#81
Benzo(a)anthracene
Concen: 2.138 ng
RT: 21.405 min Scan# 3117
Delta R.T. 0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

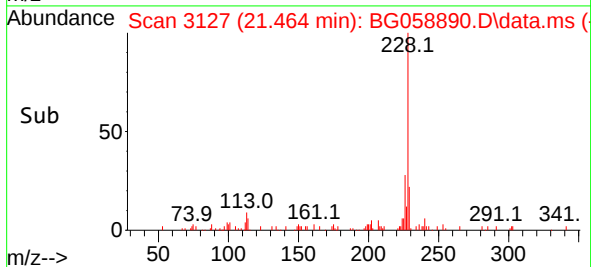
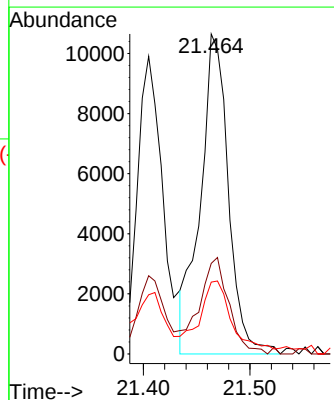
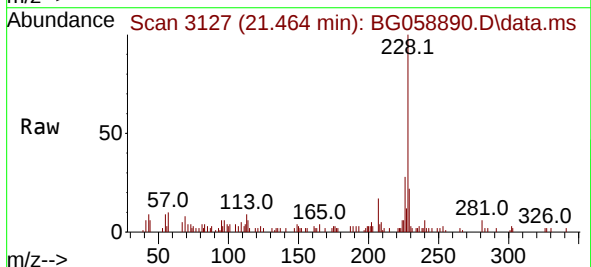
Instrument :
BNA_G
ClientSampleId :
VNJ-208

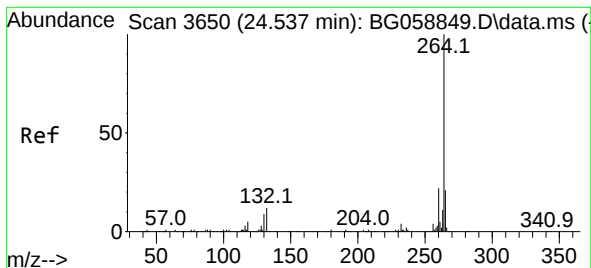
Tgt Ion:228 Resp: 16106
Ion Ratio Lower Upper
228 100
226 26.3 22.6 33.8
229 19.9 16.8 25.2



#83
Chrysene
Concen: 2.696 ng
RT: 21.464 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:228 Resp: 19579
Ion Ratio Lower Upper
228 100
226 28.3 24.4 36.6
229 22.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.478 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-208

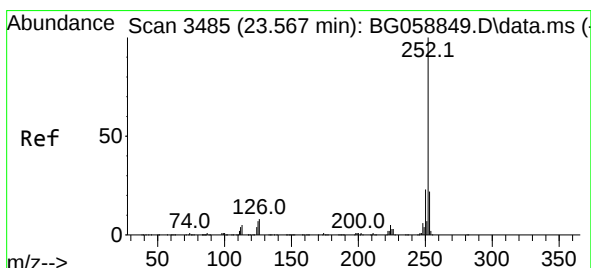
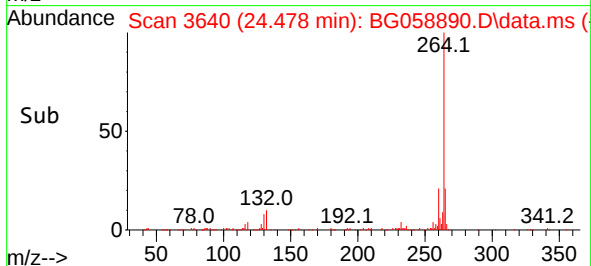
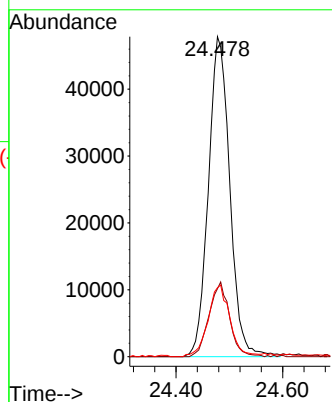
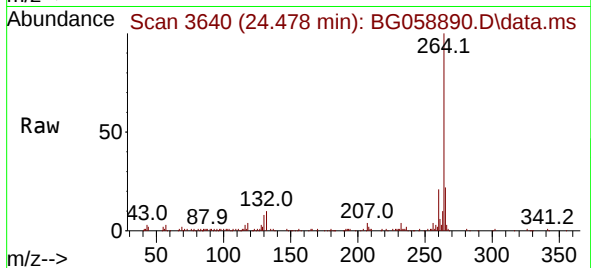
Tgt Ion:264 Resp: 133543

Ion Ratio Lower Upper

264 100

260 21.3 18.2 27.2

265 21.6 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 3.687 ng

RT: 23.514 min Scan# 3476

Delta R.T. 0.008 min

Lab File: BG058890.D

Acq: 29 Aug 2023 16:44

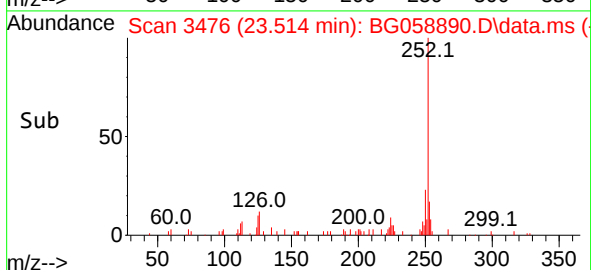
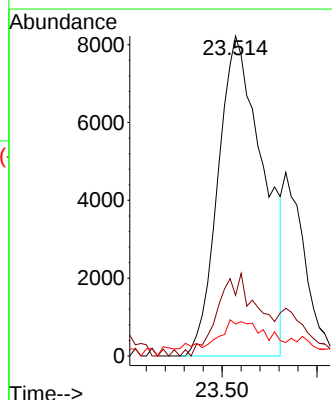
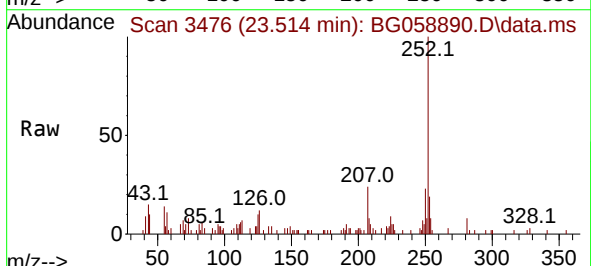
Tgt Ion:252 Resp: 27320

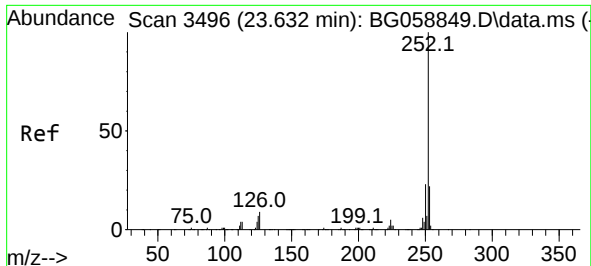
Ion Ratio Lower Upper

252 100

253 18.9 18.4 27.6

125 10.0 6.2 9.2#

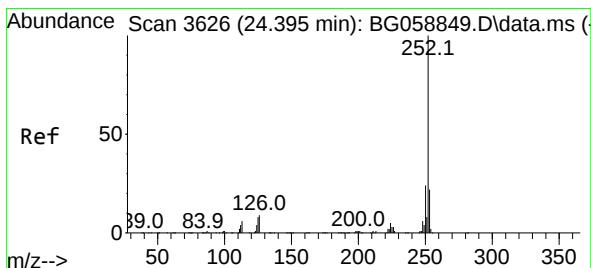
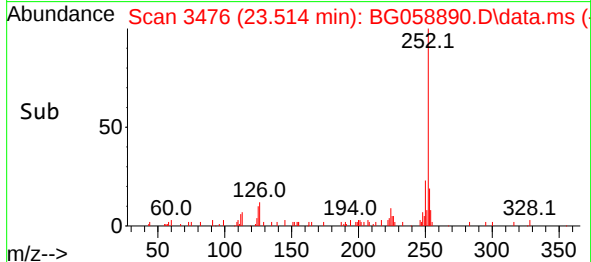
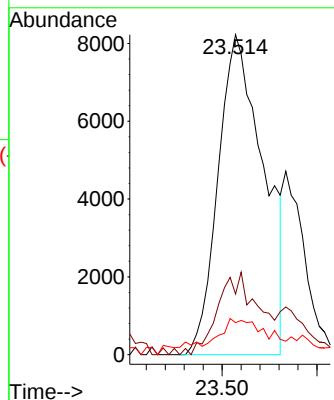
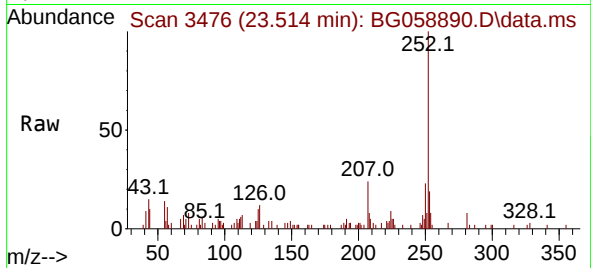




#89
Benzo(k)fluoranthene
Concen: 3.575 ng
RT: 23.514 min Scan# 34
Delta R.T. -0.056 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Instrument :
BNA_G
ClientSampleId :
VNJ-208

Tgt Ion:252 Resp: 27320
Ion Ratio Lower Upper
252 100
253 18.9 17.6 26.4
125 10.0 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 2.303 ng
RT: 24.331 min Scan# 3615
Delta R.T. -0.003 min
Lab File: BG058890.D
Acq: 29 Aug 2023 16:44

Tgt Ion:252 Resp: 16806
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.6 6.8 10.2

