

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058887.D
 Acq On : 29 Aug 2023 14:42
 Operator : MA/JU
 Sample : 04165-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

Quant Time: Aug 29 15:27:22 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)

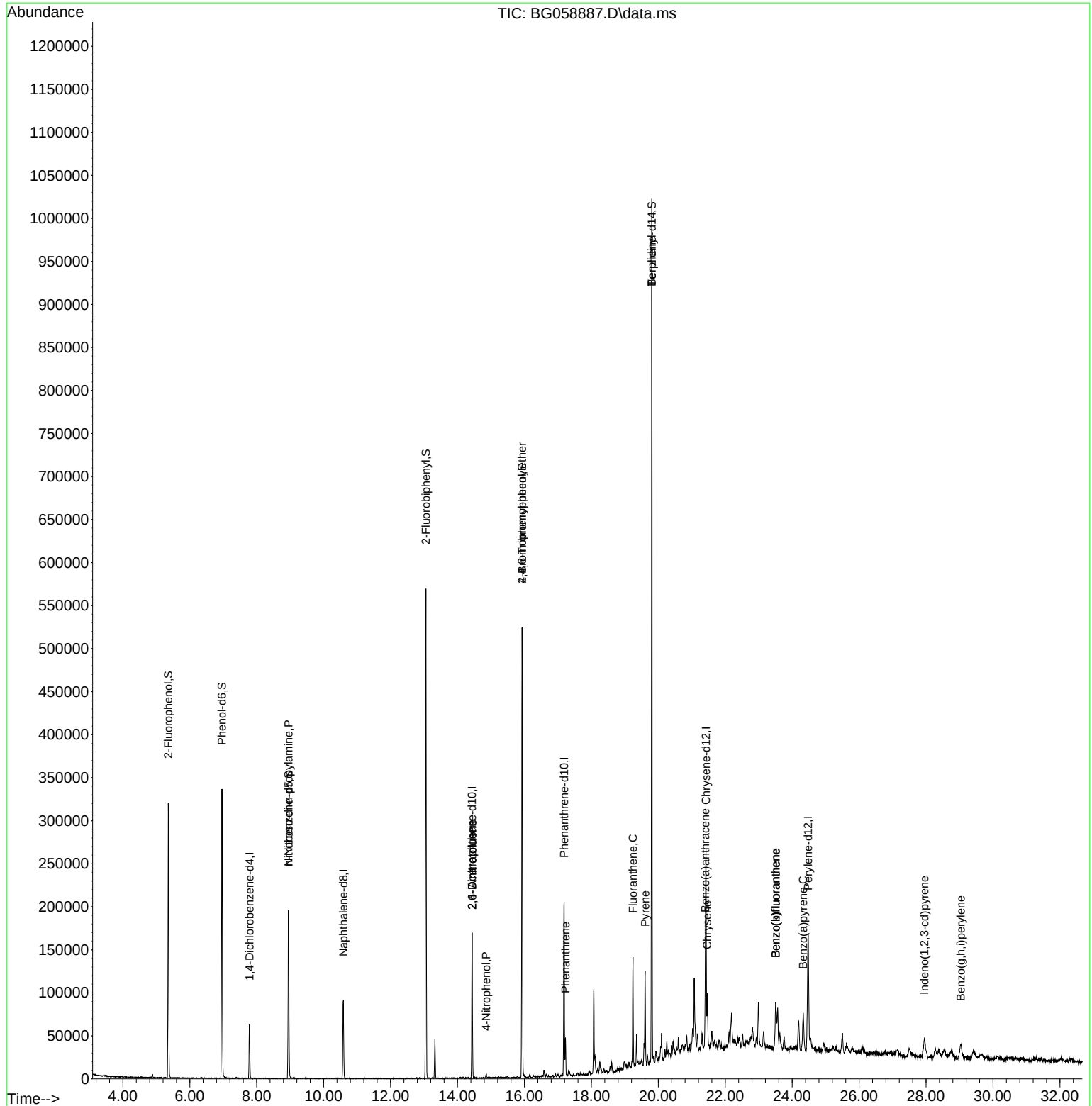
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.785	152	16603	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	77547	20.000	ng	# 0.00
39) Acenaphthene-d10	14.436	164	60027	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	139029	20.000	ng	0.00
76) Chrysene-d12	21.422	240	111665	20.000	ng	0.00
86) Perylene-d12	24.477	264	138468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	125888	122.018	ng	0.00
7) Phenol-d6	6.962	99	177779	122.817	ng	0.00
23) Nitrobenzene-d5	8.948	82	111477	69.114	ng	0.00
42) 2,4,6-Tribromophenol	15.928	330	114490	121.641	ng	0.00
45) 2-Fluorobiphenyl	13.055	172	302250	73.235	ng	0.00
79) Terphenyl-d14	19.806	244	503095	80.898	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.948	70	14474	15.469	ng	# 84
51) 2,6-Dinitrotoluene	14.442	165	7759	7.946	ng	# 22
56) 4-Nitrophenol	14.853	139	327	4.911	ng	# 1
57) 2,4-Dinitrotoluene	14.442	165	7759	5.697	ng	# 19
67) 4-Bromophenyl-phenylether	15.928	248	7425	4.867	ng	# 1
71) Phenanthrene	17.227	178	27895	4.179	ng	95
75) Fluoranthene	19.242	202	72091	8.710	ng	99
77) Benzidine	19.806	184	8022	4.008	ng	# 90
78) Pyrene	19.606	202	68097	8.752	ng	99
81) Benzo(a)anthracene	21.404	228	40924	5.265	ng	96
83) Chrysene	21.463	228	44335	5.918	ng	97
87) Indeno(1,2,3-cd)pyrene	27.949	276	33191	3.543	ng	# 95
88) Benzo(b)fluoranthene	23.508	252	64396	8.382	ng	# 94
89) Benzo(k)fluoranthene	23.508	252	64396	8.127	ng	# 96
90) Benzo(a)pyrene	24.330	252	43687	5.775	ng	# 97
92) Benzo(g,h,i)perylene	29.036	276	33467	4.348	ng	# 93

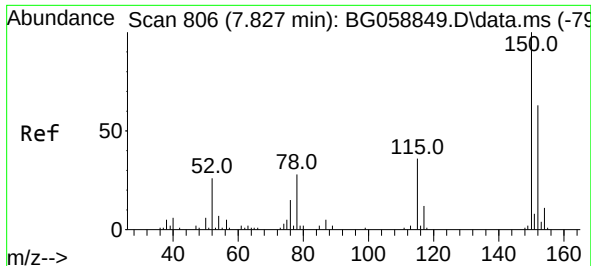
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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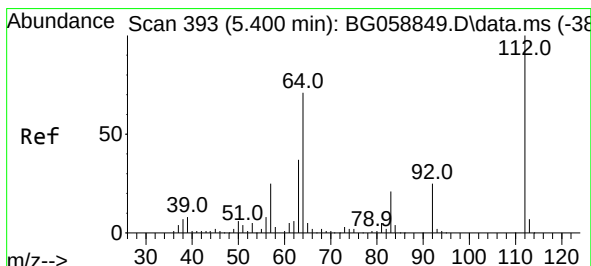
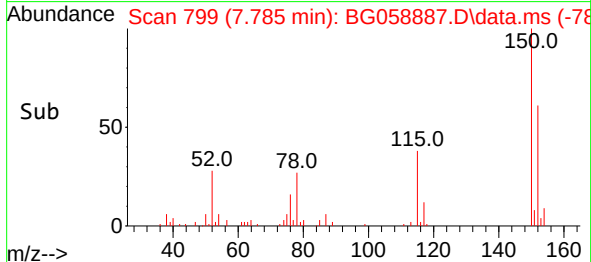
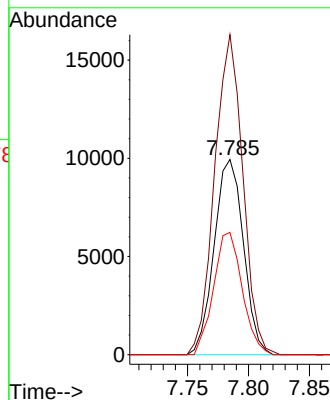
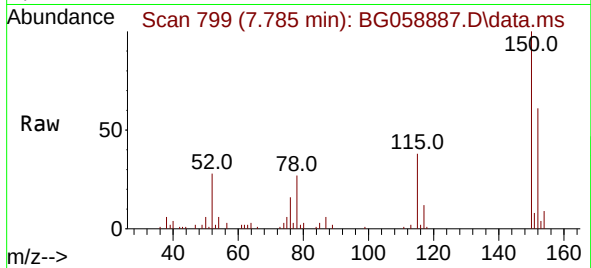




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.785 min Scan# 79
Delta R.T. -0.004 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

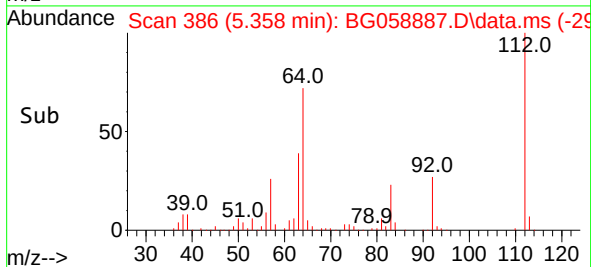
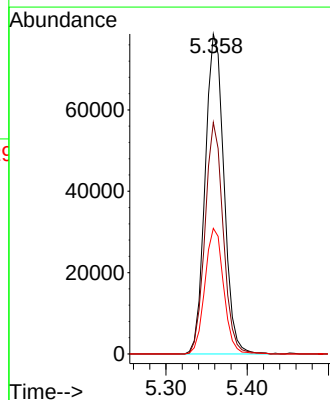
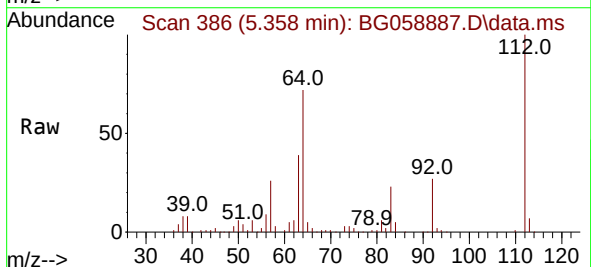
Instrument :
BNA_G
ClientSampleId :
VNJ-210

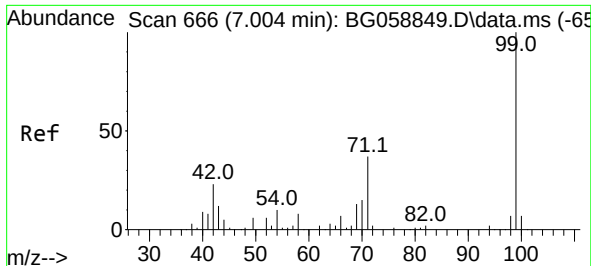
Tgt Ion:152 Resp: 16603
Ion Ratio Lower Upper
152 100
150 163.9 128.6 192.8
115 62.7 50.4 75.6



#5
2-Fluorophenol
Concen: 122.018 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.002 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:112 Resp: 125888
Ion Ratio Lower Upper
112 100
64 72.4 60.6 90.8
63 39.3 31.0 46.4

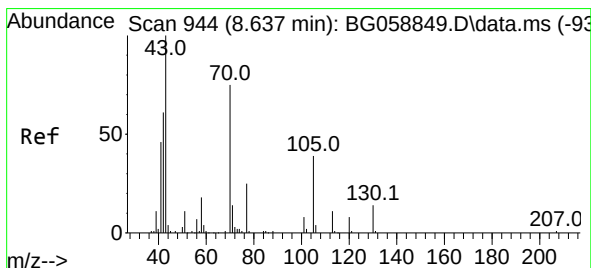
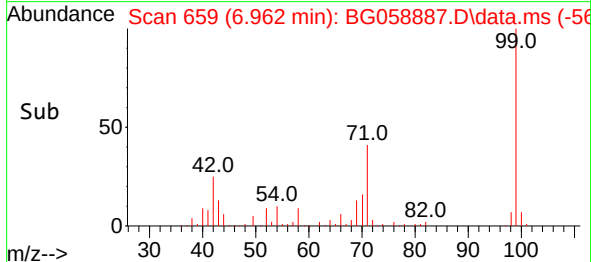
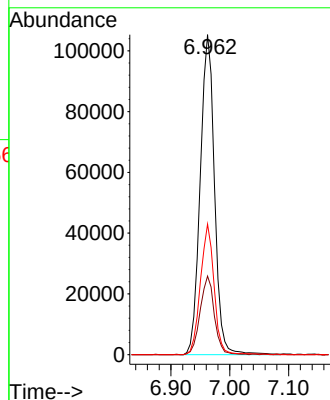
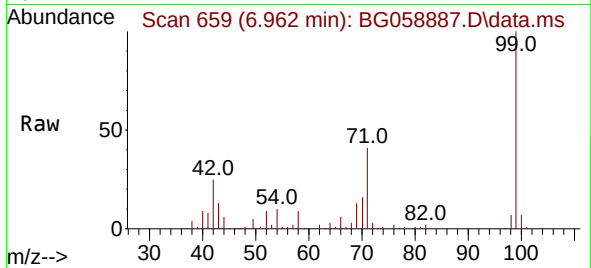




#7
Phenol-d6
Concen: 122.817 ng
RT: 6.962 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

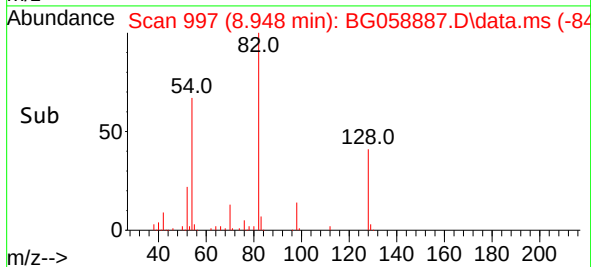
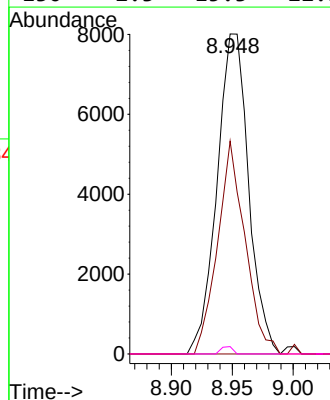
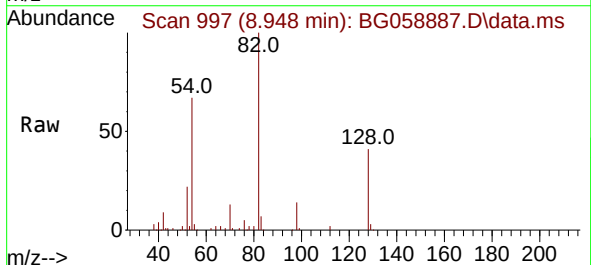
Instrument :
BNA_G
ClientSampleId :
VNJ-210

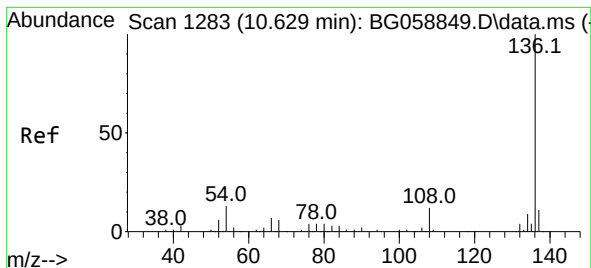
Tgt Ion: 99 Resp: 177779
Ion Ratio Lower Upper
99 100
42 24.6 16.5 24.7
71 40.8 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.469 ng
RT: 8.948 min Scan# 997
Delta R.T. 0.348 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion: 70 Resp: 14474
Ion Ratio Lower Upper
70 100
42 66.5 59.2 88.8
101 0.0 8.2 12.2#
130 2.3 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.587 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

Tgt Ion:136 Resp: 77547

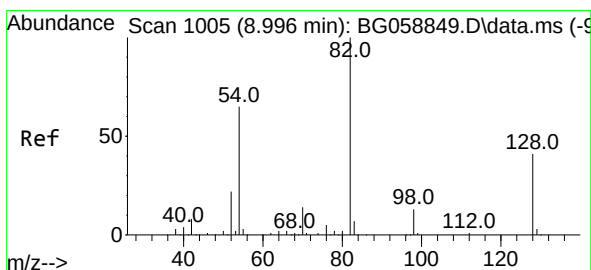
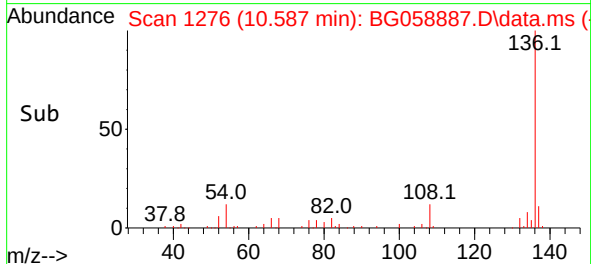
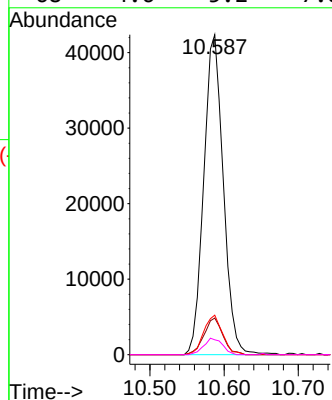
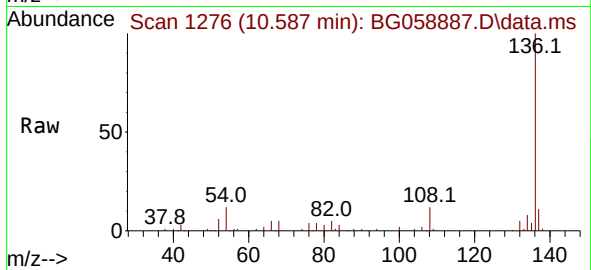
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 12.4 10.1 15.1

68 4.6 5.2 7.8#



#23

Nitrobenzene-d5

Concen: 69.114 ng

RT: 8.948 min Scan# 997

Delta R.T. -0.010 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

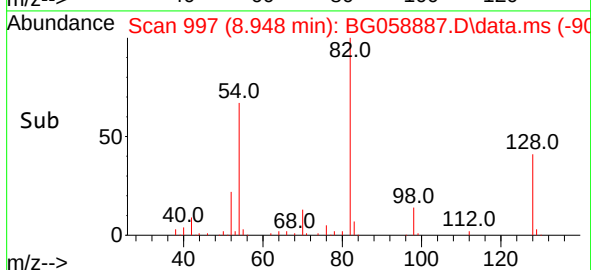
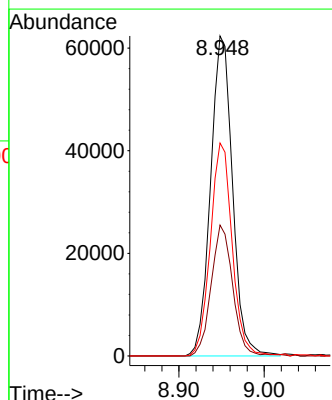
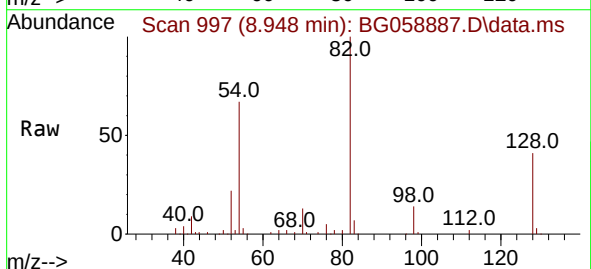
Tgt Ion: 82 Resp: 111477

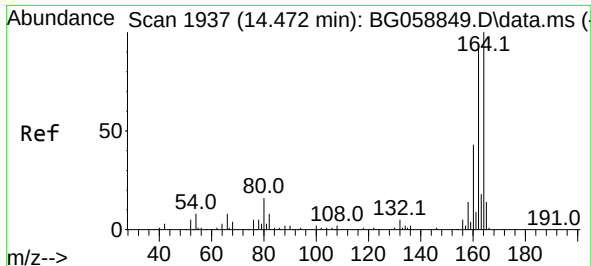
Ion Ratio Lower Upper

82 100

128 40.9 33.2 49.8

54 66.5 51.2 76.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.436 min Scan# 1931

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

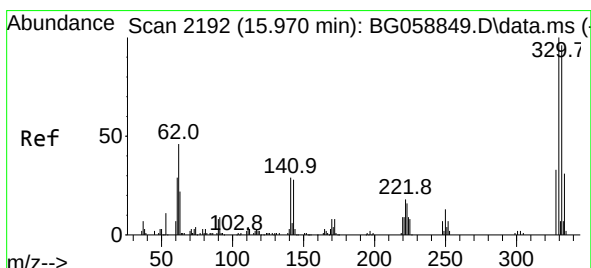
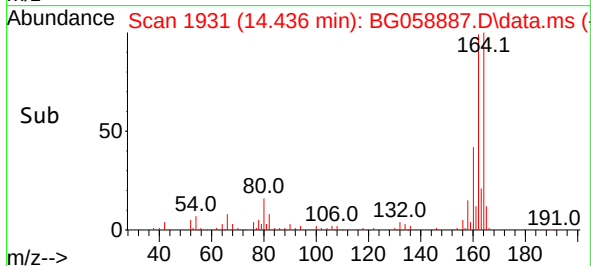
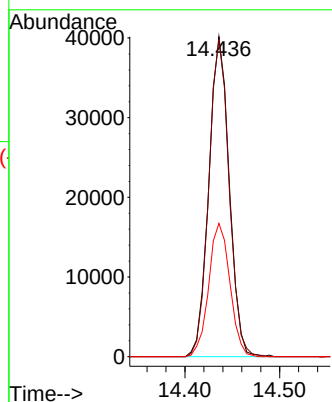
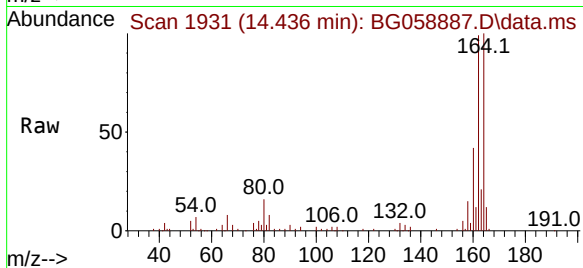
Tgt Ion:164 Resp: 60027

Ion Ratio Lower Upper

164 100

162 99.0 79.6 119.4

160 41.6 34.0 51.0



#42

2,4,6-Tribromophenol

Concen: 121.641 ng

RT: 15.928 min Scan# 2185

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

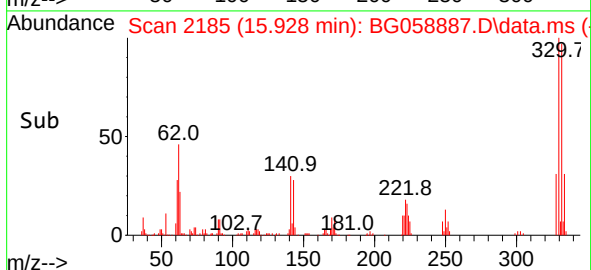
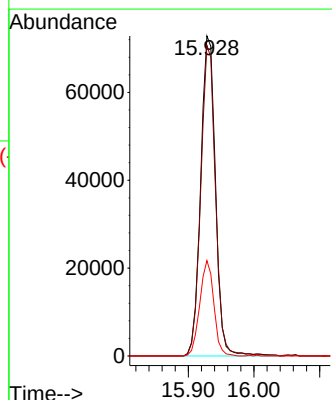
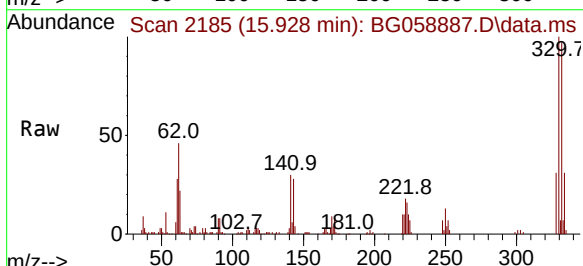
Tgt Ion:330 Resp: 114490

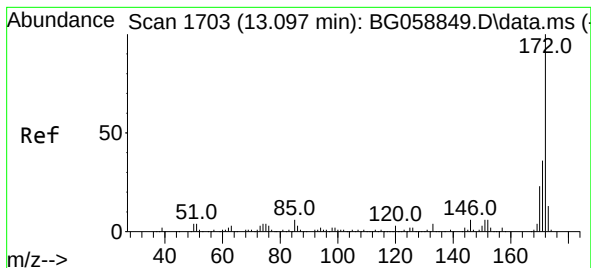
Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 28.3 23.0 34.6

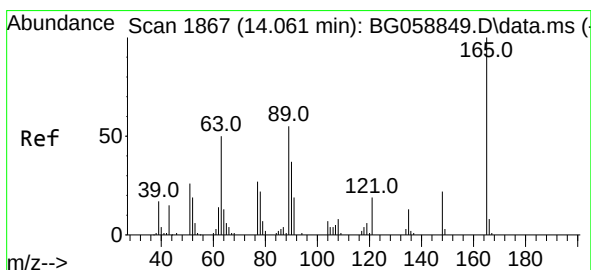
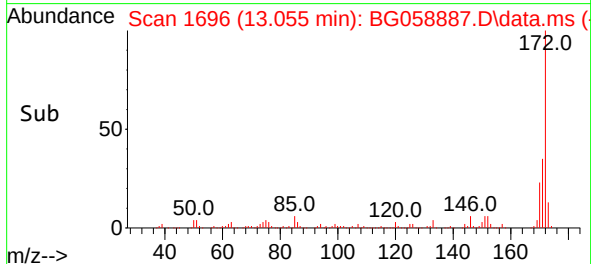
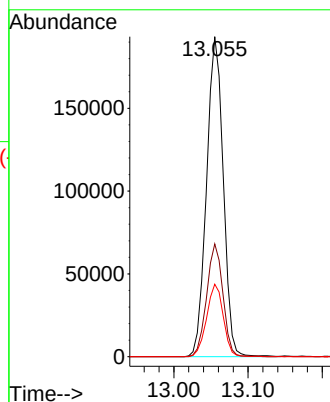
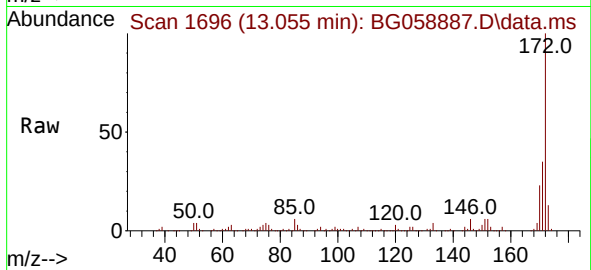




#45
2-Fluorobiphenyl
Concen: 73.235 ng
RT: 13.055 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

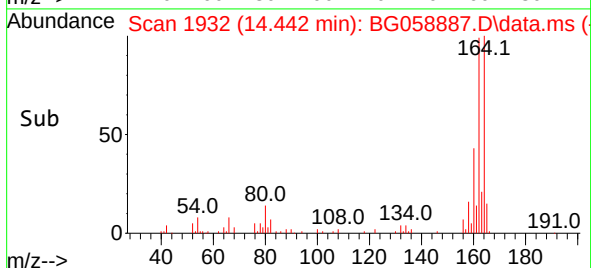
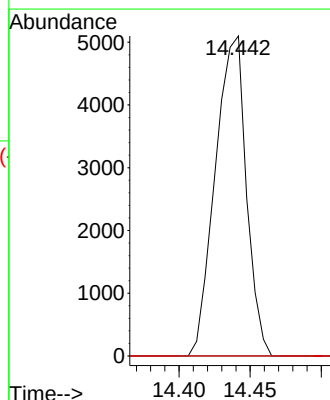
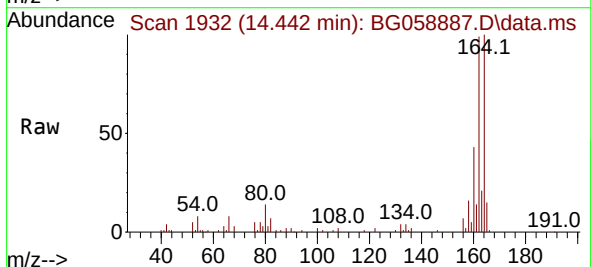
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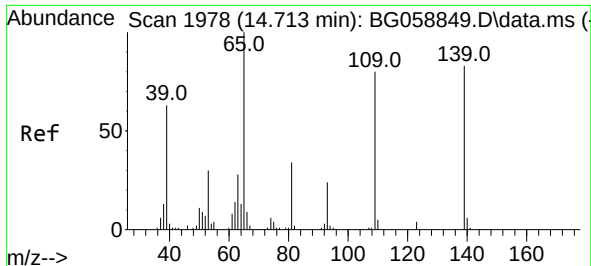
Tgt Ion:172 Resp: 302250
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 22.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.946 ng
RT: 14.442 min Scan# 1932
Delta R.T. 0.413 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:165 Resp: 7759
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#

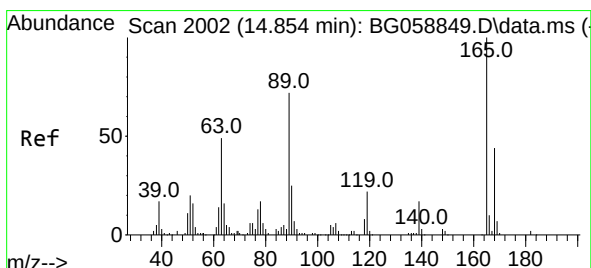
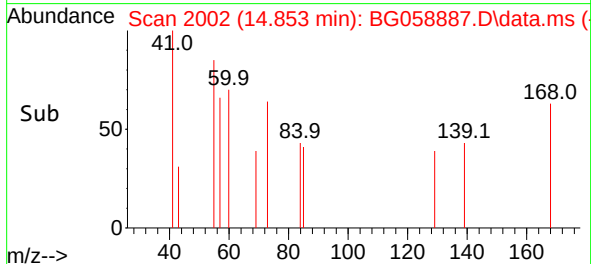
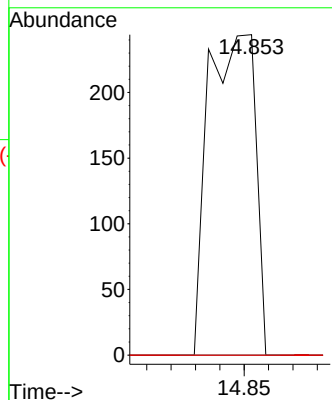
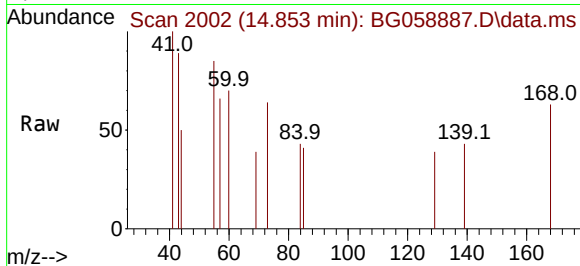




#56
4-Nitrophenol
Concen: 4.911 ng
RT: 14.853 min Scan# 20
Delta R.T. 0.172 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

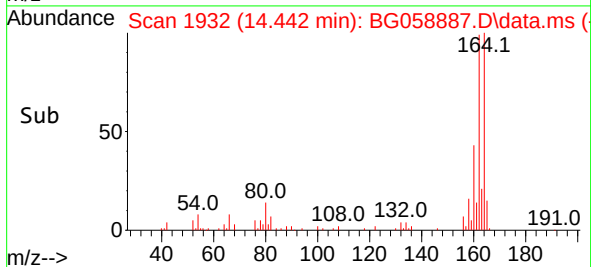
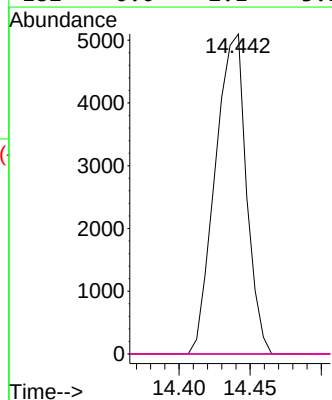
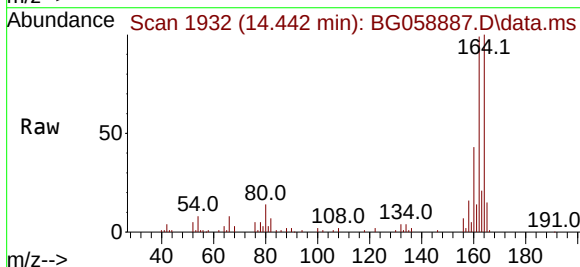
Instrument :
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VNJ-210

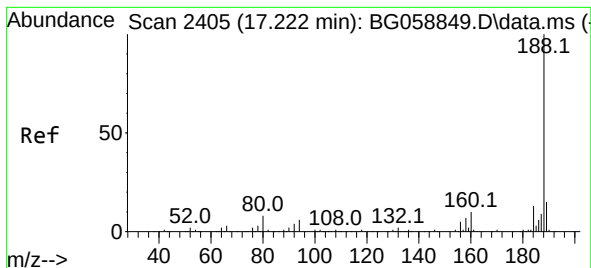
Tgt Ion:139 Resp: 327
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#



#57
2,4-Dinitrotoluene
Concen: 5.697 ng
RT: 14.442 min Scan# 1932
Delta R.T. -0.380 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:165 Resp: 7759
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# 21

Delta R.T. 0.002 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

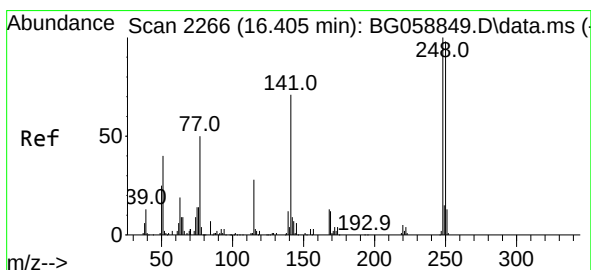
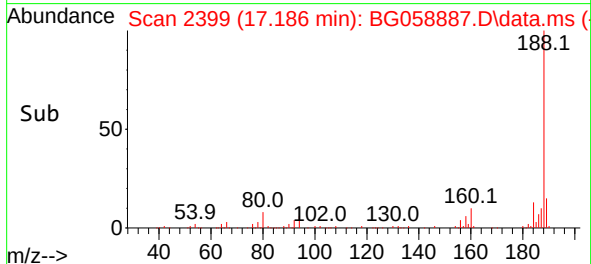
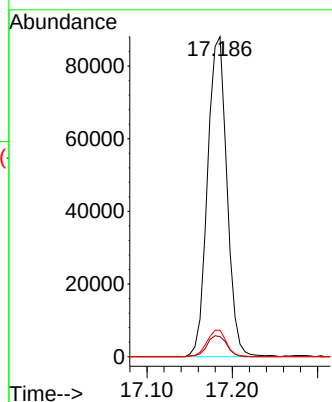
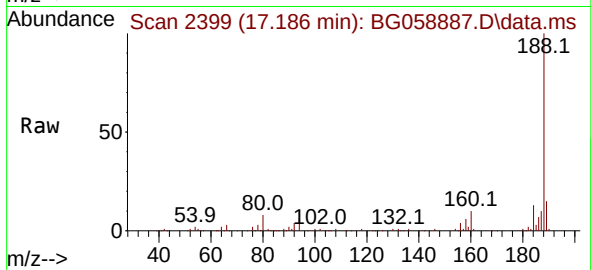
Tgt Ion:188 Resp: 139029

Ion Ratio Lower Upper

188 100

94 6.3 6.1 9.1

80 8.3 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.867 ng

RT: 15.928 min Scan# 2185

Delta R.T. -0.445 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

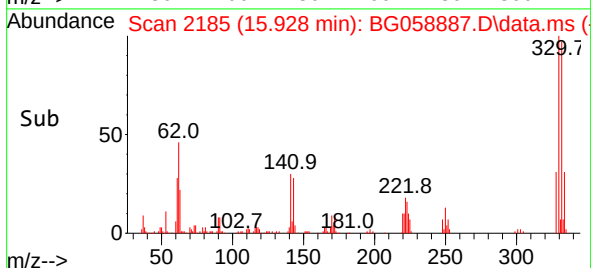
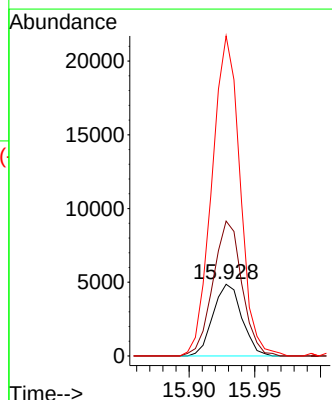
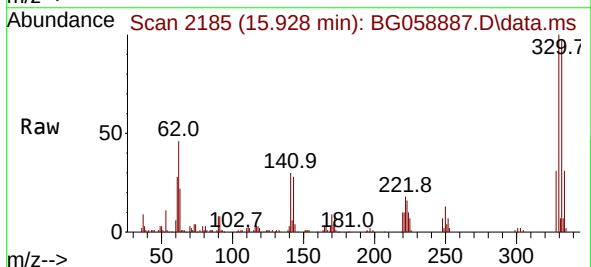
Tgt Ion:248 Resp: 7425

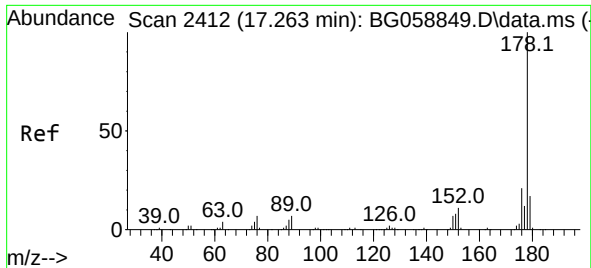
Ion Ratio Lower Upper

248 100

250 188.2 77.7 116.5#

141 446.7 53.6 80.4#

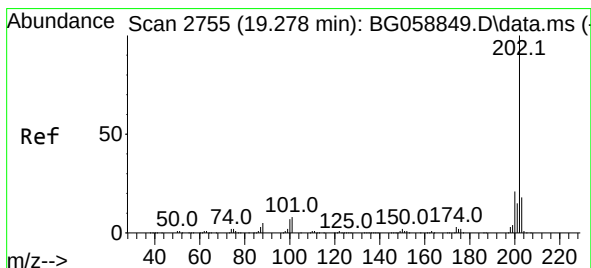
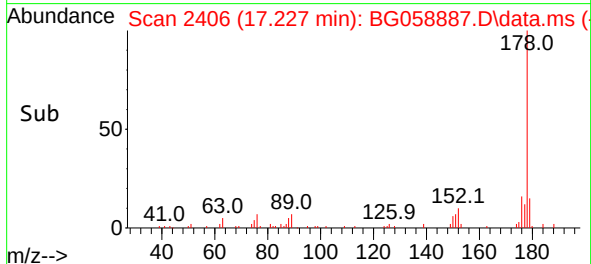
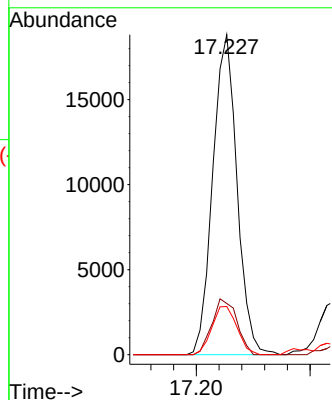
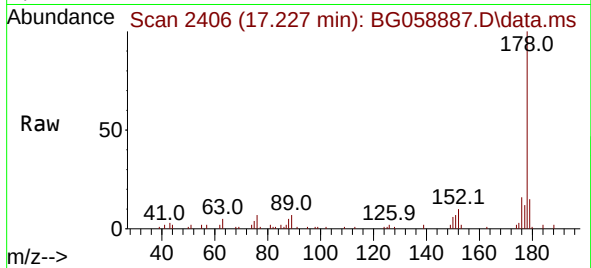




#71
Phenanthrene
Concen: 4.179 ng
RT: 17.227 min Scan# 2412
Delta R.T. -0.004 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

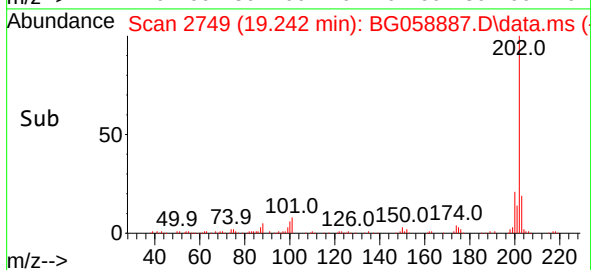
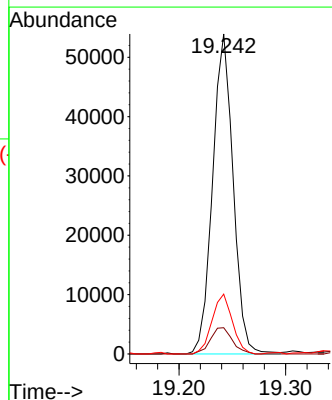
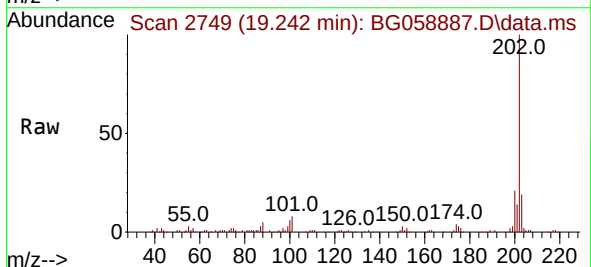
Instrument :
BNA_G
ClientSampleId :
VNJ-210

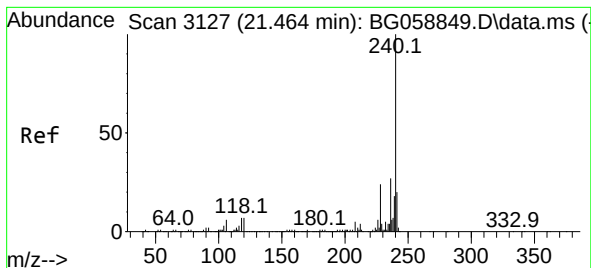
Tgt Ion:178 Resp: 27895
Ion Ratio Lower Upper
178 100
176 16.0 15.5 23.3
179 15.1 13.0 19.4



#75
Fluoranthene
Concen: 8.710 ng
RT: 19.242 min Scan# 2749
Delta R.T. 0.002 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:202 Resp: 72091
Ion Ratio Lower Upper
202 100
101 8.2 0.0 29.7
203 18.7 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.422 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

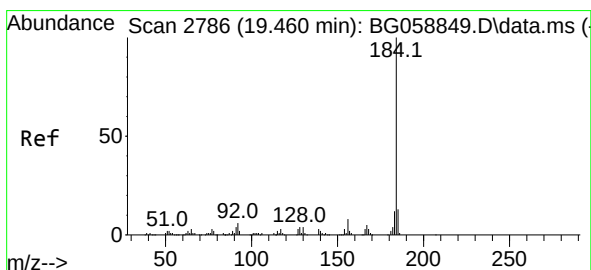
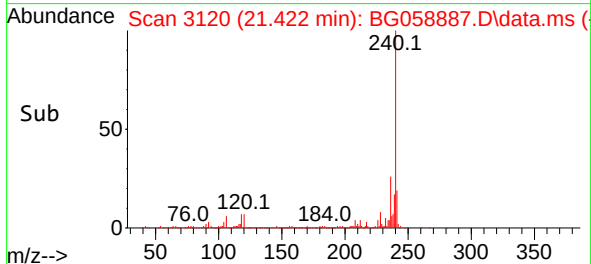
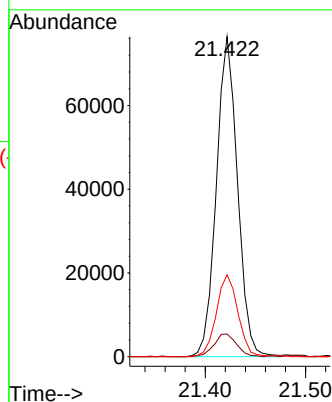
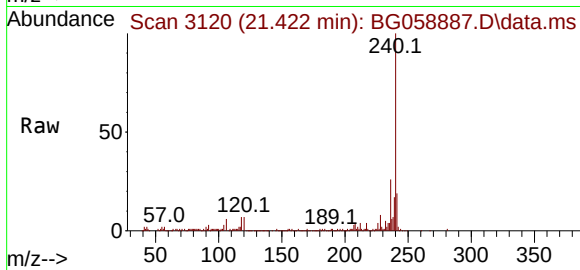
Tgt Ion:240 Resp: 111665

Ion Ratio Lower Upper

240 100

120 7.1 6.2 9.2

236 25.6 20.5 30.7



#77

Benzidine

Concen: 4.008 ng

RT: 19.806 min Scan# 2845

Delta R.T. 0.378 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

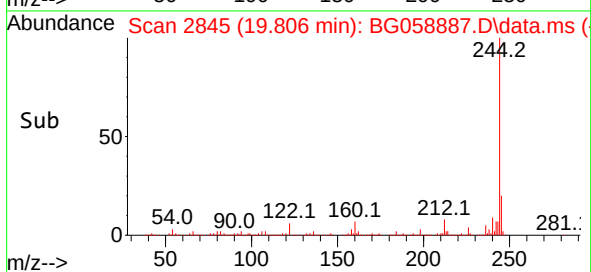
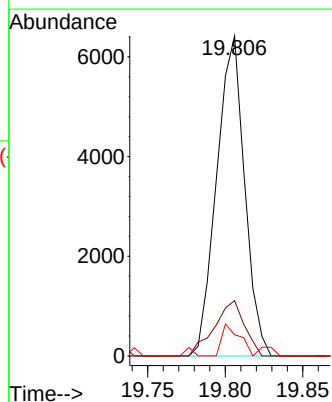
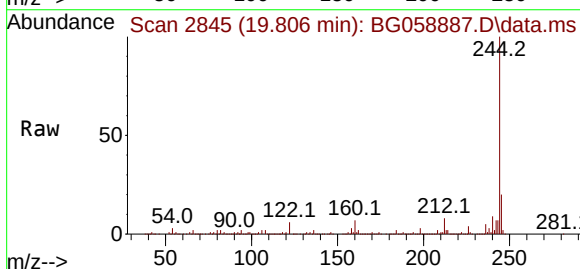
Tgt Ion:184 Resp: 8022

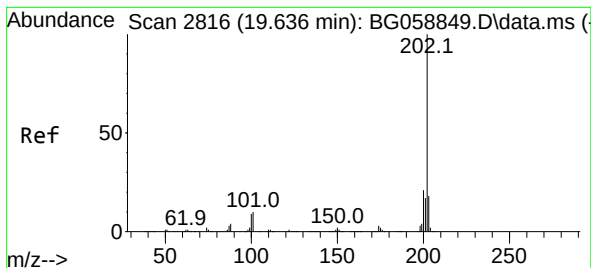
Ion Ratio Lower Upper

184 100

185 17.3 11.9 17.9

183 6.7 10.0 15.0#





#78

Pyrene

Concen: 8.752 ng

RT: 19.606 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

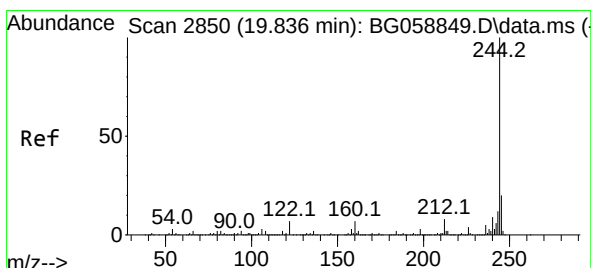
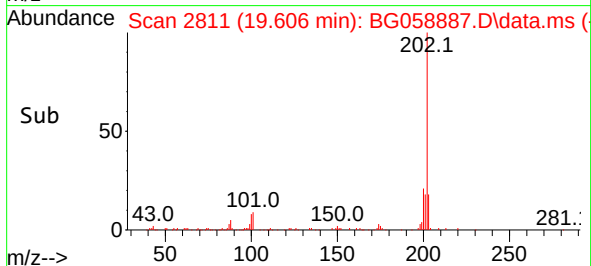
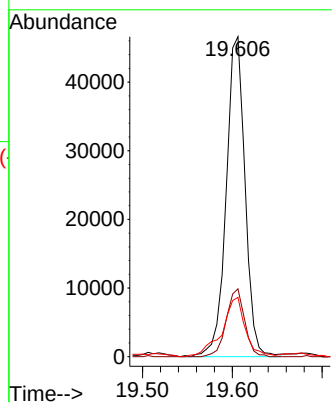
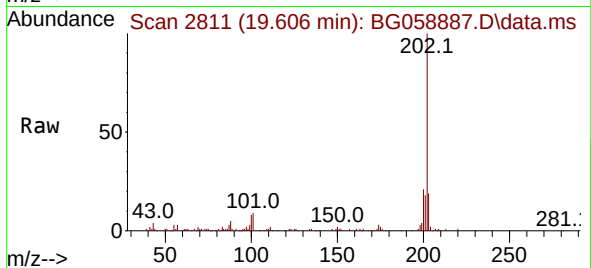
Tgt Ion:202 Resp: 68097

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 18.5 15.3 22.9



#79

Terphenyl-d14

Concen: 80.898 ng

RT: 19.806 min Scan# 2845

Delta R.T. 0.002 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

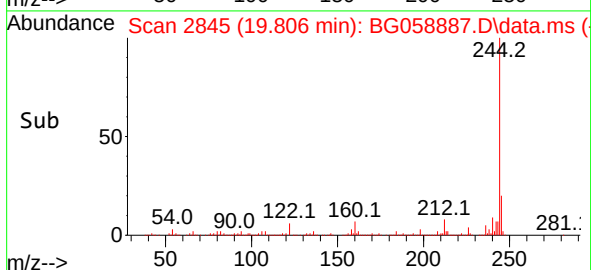
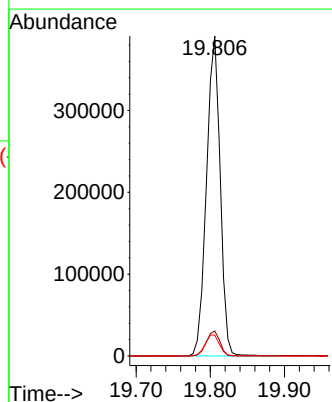
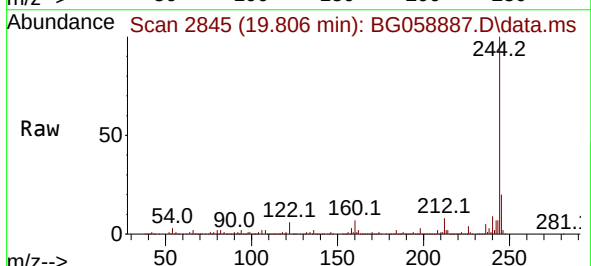
Tgt Ion:244 Resp: 503095

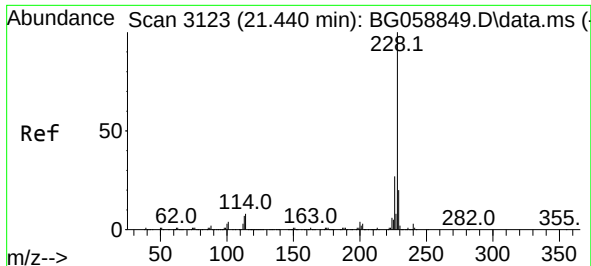
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 6.5 6.3 9.5

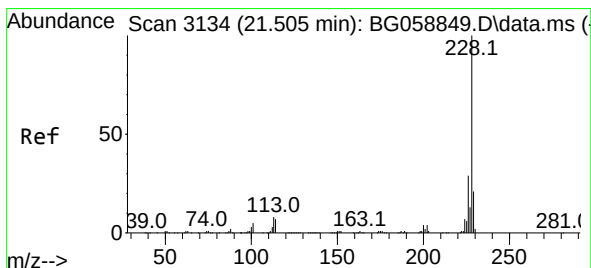
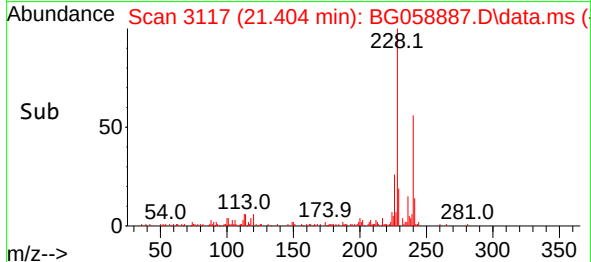
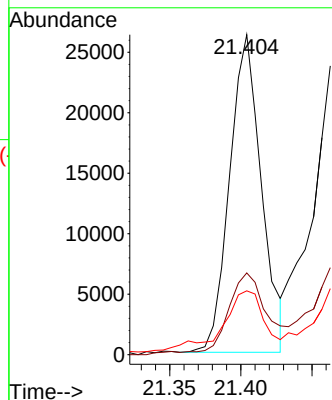
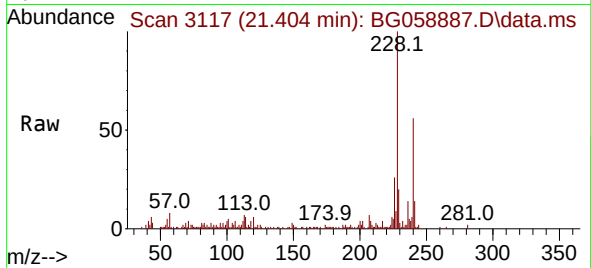




#81
Benzo(a)anthracene
Concen: 5.265 ng
RT: 21.404 min Scan# 3117
Delta R.T. 0.002 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

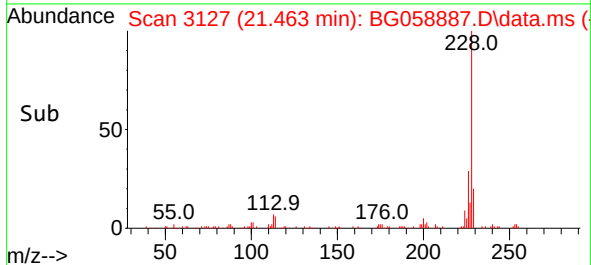
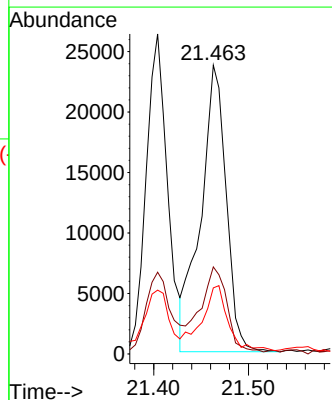
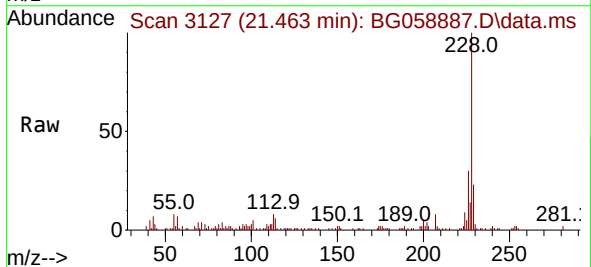
Instrument :
BNA_G
ClientSampleId :
VNJ-210

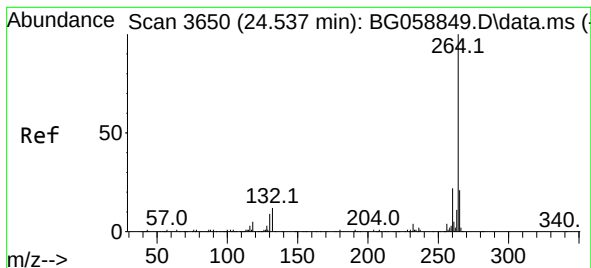
Tgt Ion:228 Resp: 40924
Ion Ratio Lower Upper
228 100
226 25.6 22.6 33.8
229 20.0 16.8 25.2



#83
Chrysene
Concen: 5.918 ng
RT: 21.463 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:228 Resp: 44335
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.9 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3

Delta R.T. 0.008 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

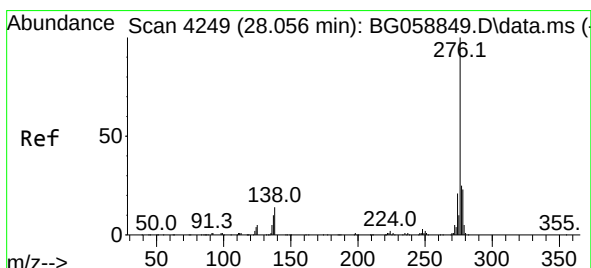
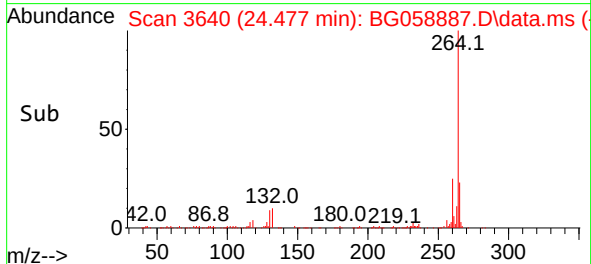
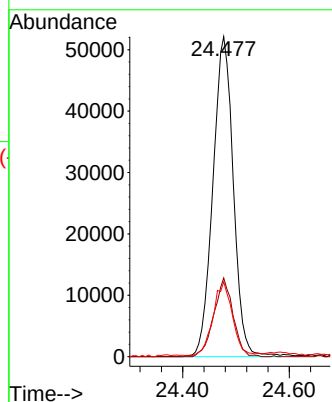
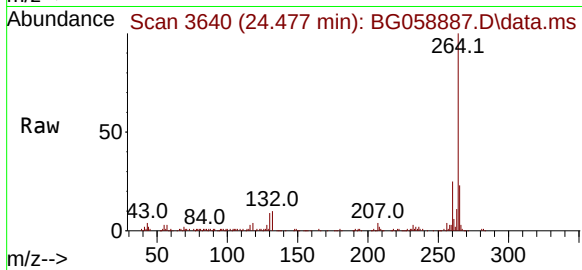
Tgt Ion:264 Resp: 138468

Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 23.4 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.543 ng

RT: 27.949 min Scan# 4231

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

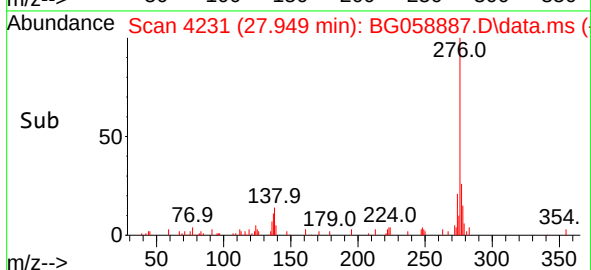
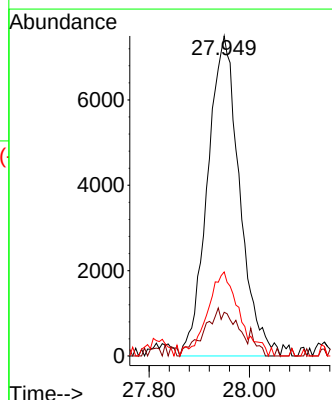
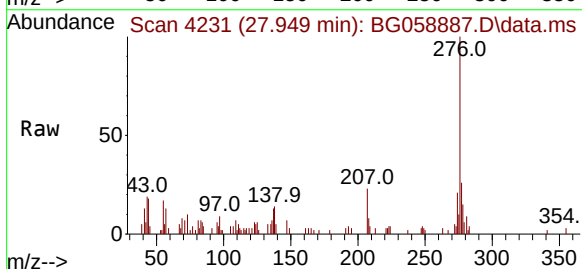
Tgt Ion:276 Resp: 33191

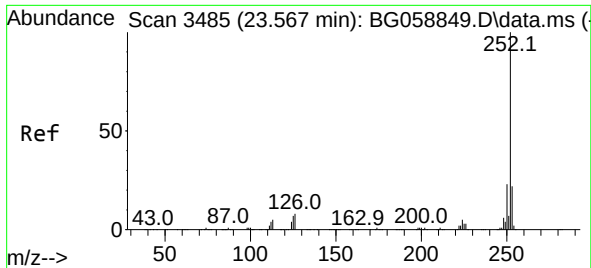
Ion Ratio Lower Upper

276 100

138 15.1 6.2 9.2#

277 25.8 20.4 30.6

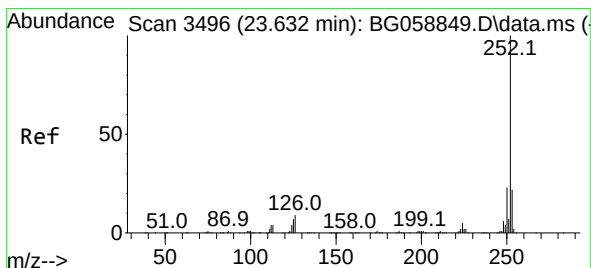
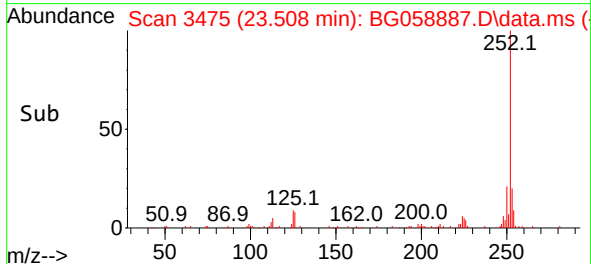
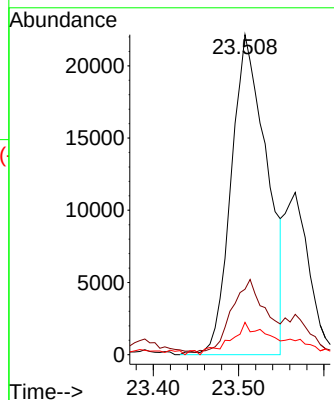
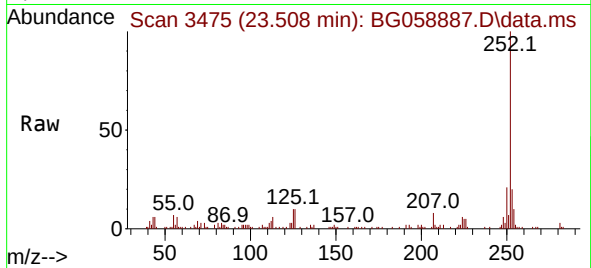




#88
Benzo(b)fluoranthene
Concen: 8.382 ng
RT: 23.508 min Scan# 3485
Delta R.T. 0.002 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

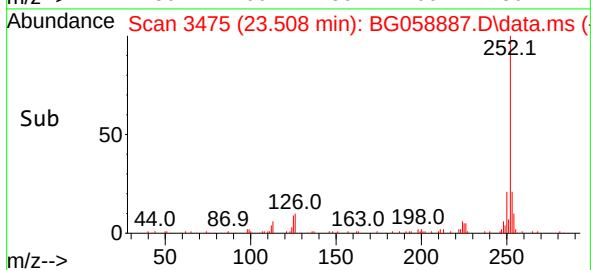
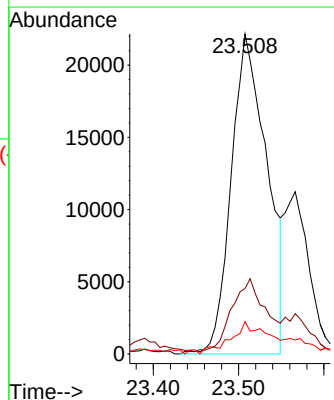
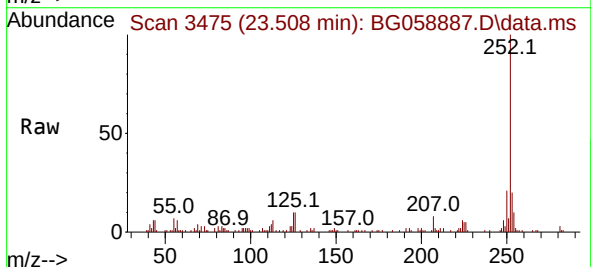
Instrument :
BNA_G
ClientSampleId :
VNJ-210

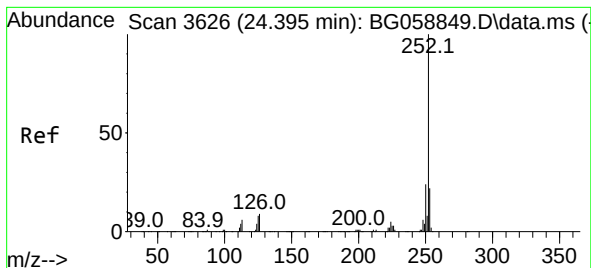
Tgt Ion:252 Resp: 64396
Ion Ratio Lower Upper
252 100
253 20.5 18.4 27.6
125 10.1 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 8.127 ng
RT: 23.508 min Scan# 3475
Delta R.T. -0.063 min
Lab File: BG058887.D
Acq: 29 Aug 2023 14:42

Tgt Ion:252 Resp: 64396
Ion Ratio Lower Upper
252 100
253 20.5 17.6 26.4
125 10.1 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 5.775 ng

RT: 24.330 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Instrument :

BNA_G

ClientSampleId :

VNJ-210

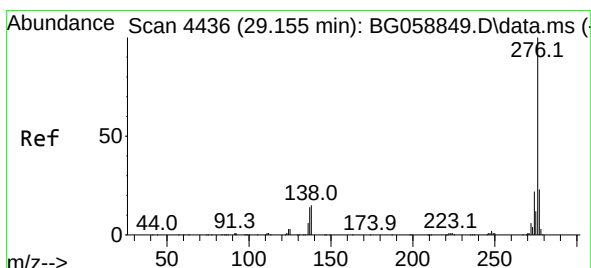
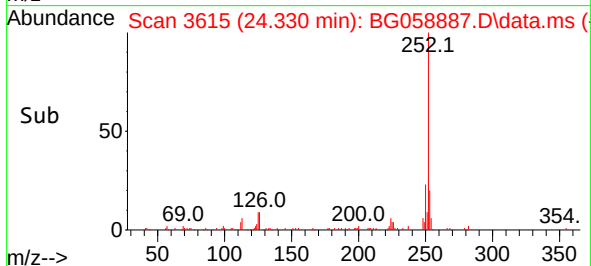
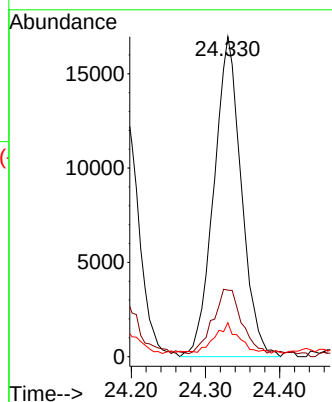
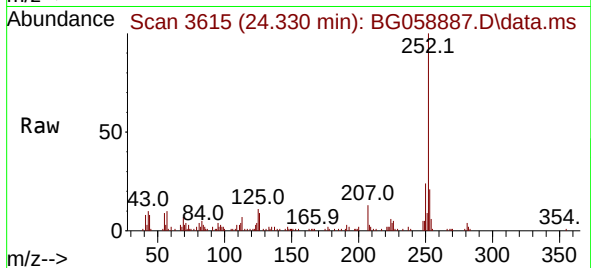
Tgt Ion:252 Resp: 43687

Ion Ratio Lower Upper

252 100

253 20.8 17.5 26.3

125 10.6 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 4.348 ng

RT: 29.036 min Scan# 4416

Delta R.T. -0.010 min

Lab File: BG058887.D

Acq: 29 Aug 2023 14:42

Tgt Ion:276 Resp: 33467

Ion Ratio Lower Upper

276 100

277 25.3 17.8 26.6

138 17.2 11.1 16.7#

