

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057509.D
 Acq On : 23 May 2023 1:31
 Operator : CG/JU
 Sample : 02871-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-226

Quant Time: May 23 04:09:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

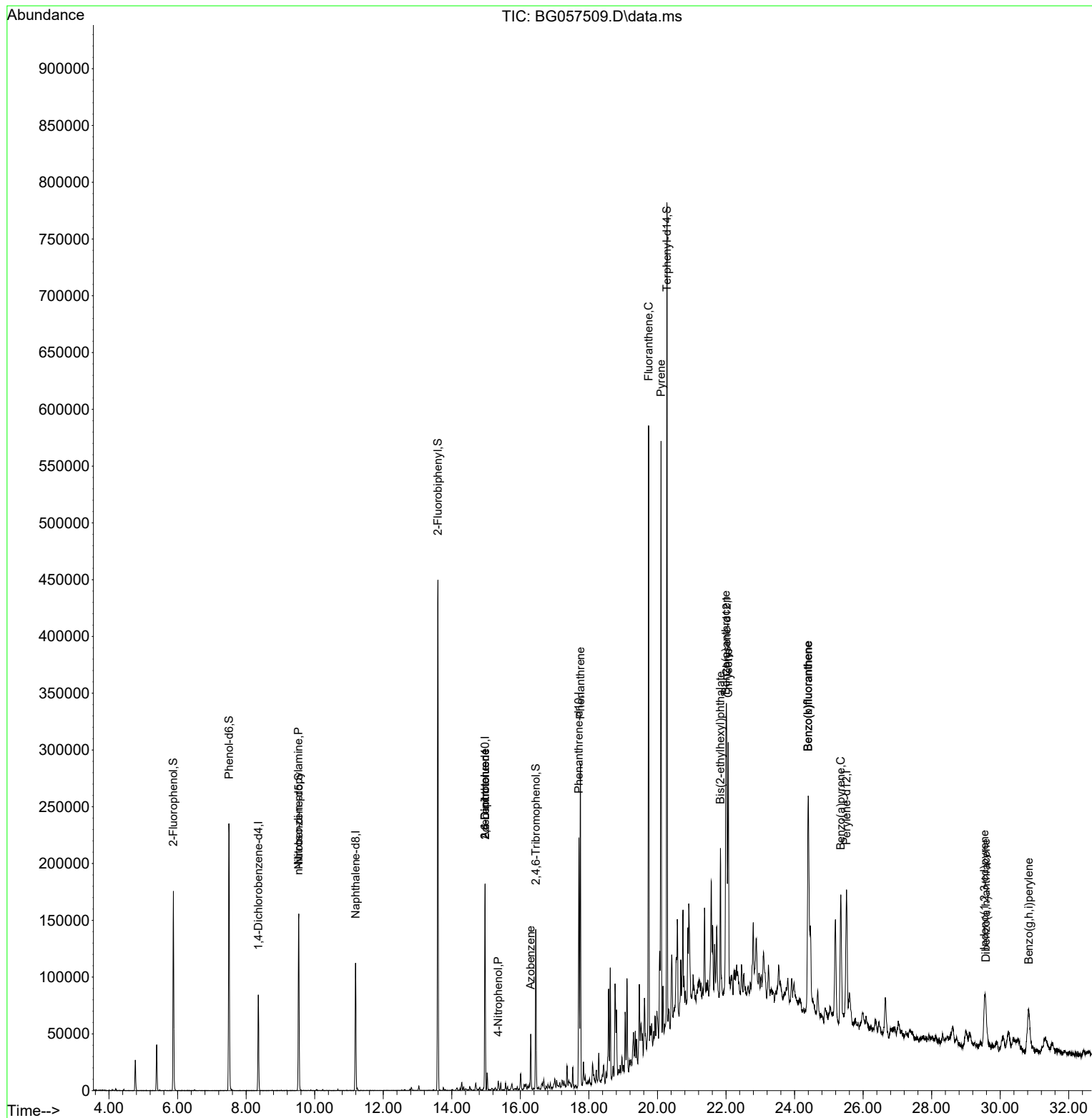
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	24378	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	96527	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	65007	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	146117	20.000	ng	0.00
76) Chrysene-d12	22.019	240	128551	20.000	ng	0.00
86) Perylene-d12	25.514	264	141917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	78720	55.238	ng	0.00
7) Phenol-d6	7.497	99	146111	67.517	ng	0.00
23) Nitrobenzene-d5	9.535	82	100004	43.483	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	28628	31.037	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	242286	50.196	ng	0.00
79) Terphenyl-d14	20.280	244	385439	48.930	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.497	77	227	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	14098	8.544	ng	# 77
51) 2,6-Dinitrotoluene	14.969	165	9430	8.646	ng	# 17
56) 4-Nitrophenol	15.357	139	1526	2.100	ng	# 1
57) 2,4-Dinitrotoluene	14.969	165	9430	6.050	ng	# 20
63) Azobenzene	16.303	77	12970	2.478	ng	# 1
71) Phenanthrene	17.754	178	185404	24.762	ng	99
75) Fluoranthene	19.739	202	355384	38.163	ng	99
78) Pyrene	20.103	202	343118	36.731	ng	99
81) Benzo(a)anthracene	21.995	228	129069	14.092	ng	99
83) Chrysene	22.065	228	186720	21.668	ng	96
84) Bis(2-ethylhexyl)phtha...	21.836	149	54085	12.333	ng	99
87) Indeno(1,2,3-cd)pyrene	29.544	276	88063	8.514	ng	# 56
88) Benzo(b)fluoranthene	24.398	252	211290	22.776	ng	97
89) Benzo(k)fluoranthene	24.398	252	211290	22.413	ng	98
90) Benzo(a)pyrene	25.349	252	131817	14.544	ng	97
91) Dibenzo(a,h)anthracene	29.585	278	23286	2.703	ng	# 93
92) Benzo(g,h,i)perylene	30.830	276	92005	10.939	ng	# 94

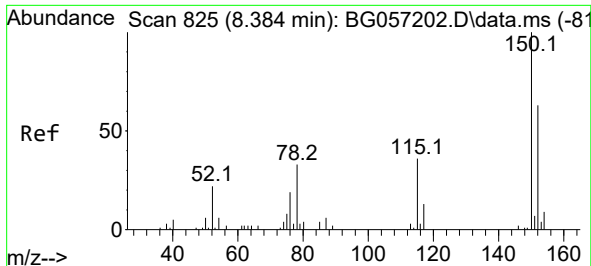
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Quant Time: May 23 04:09:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

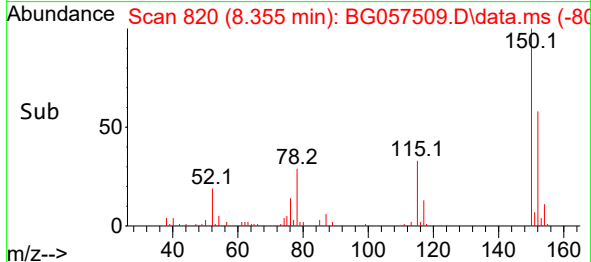
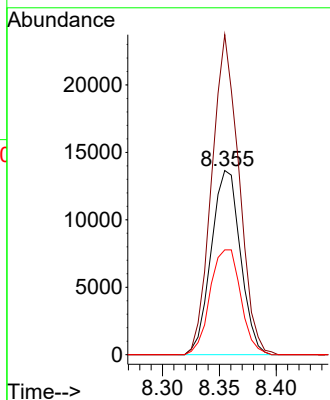
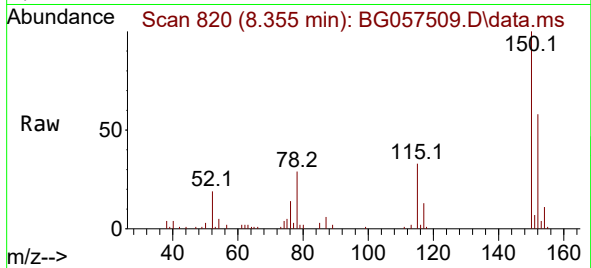




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

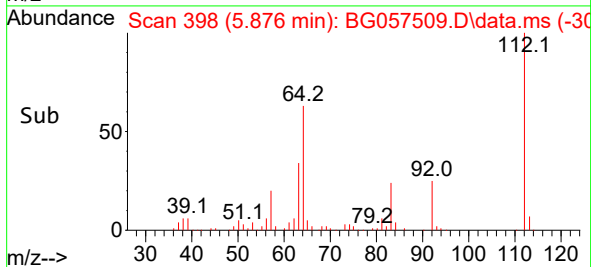
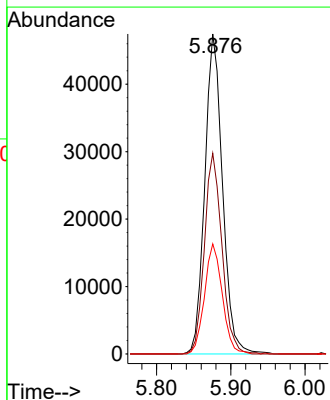
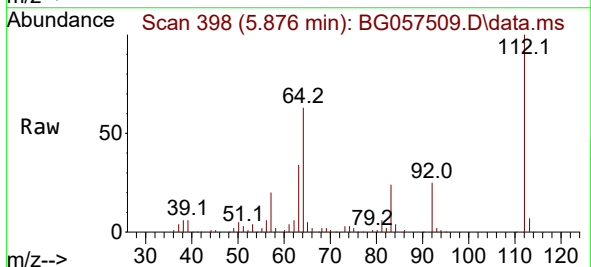
Instrument :
BNA_G
ClientSampleId :
VNJ-226

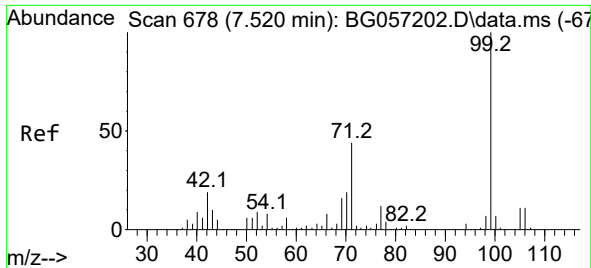
Tgt Ion:152 Resp: 24378
Ion Ratio Lower Upper
152 100
150 173.8 126.2 189.4
115 56.9 45.0 67.4



#5
2-Fluorophenol
Concen: 55.238 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:112 Resp: 78720
Ion Ratio Lower Upper
112 100
64 62.7 49.4 74.2
63 34.4 31.6 47.4

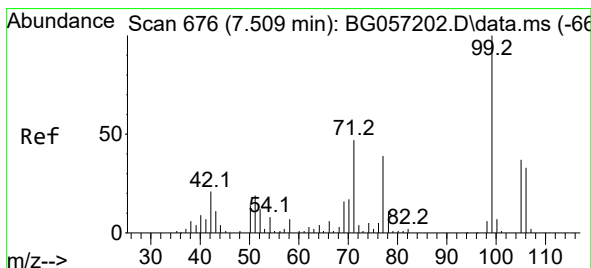
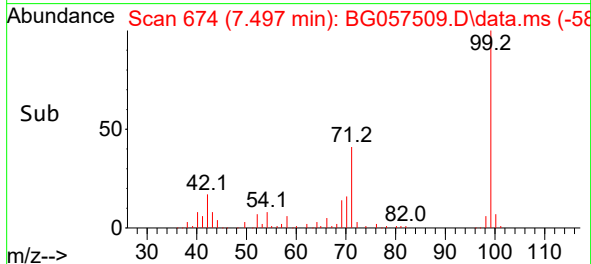
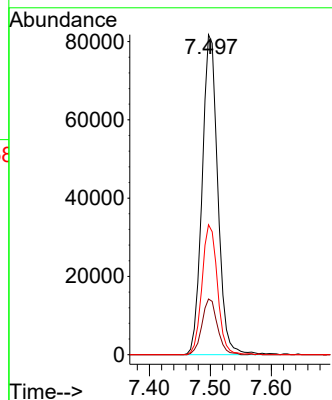
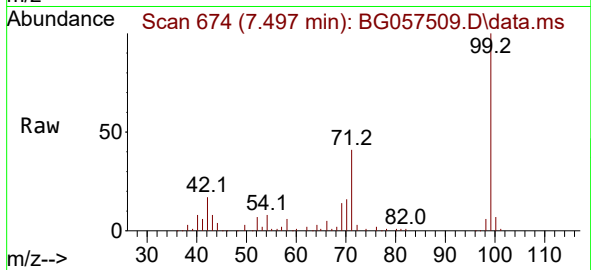




#7
Phenol-d6
Concen: 67.517 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

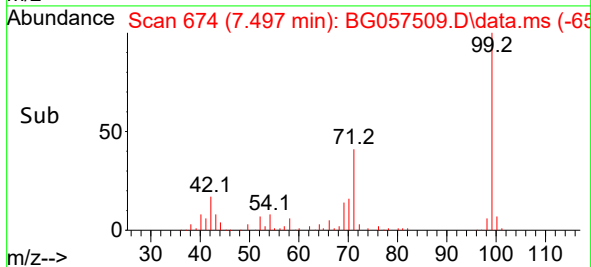
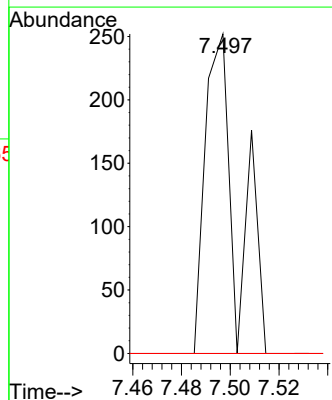
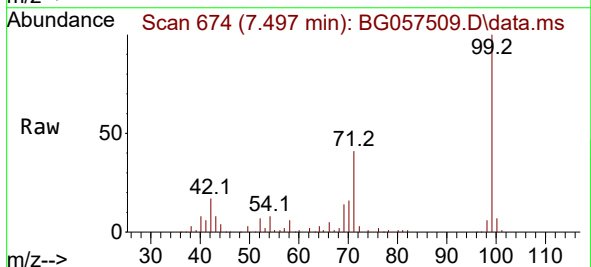
Instrument :
BNA_G
ClientSampleId :
VNJ-226

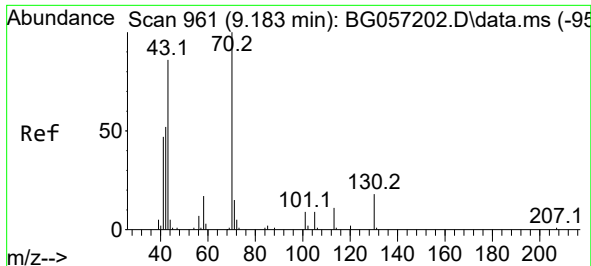
Tgt Ion: 99 Resp: 146111
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 40.6 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.497 min Scan# 674
Delta R.T. 0.011 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion: 77 Resp: 227
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

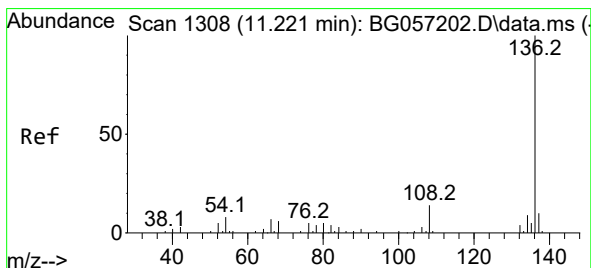
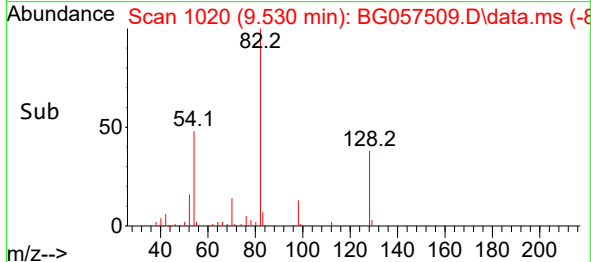
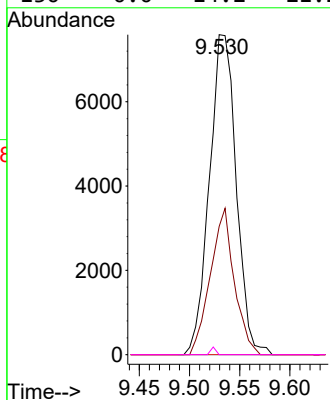
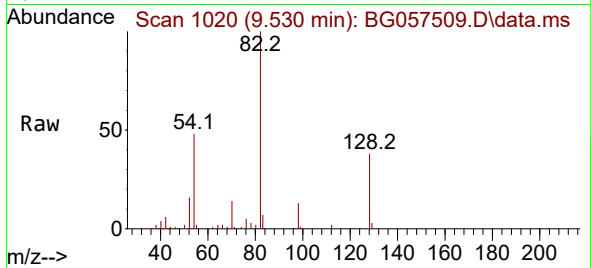




#19
n-Nitroso-di-n-propylamine
Concen: 8.544 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.369 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

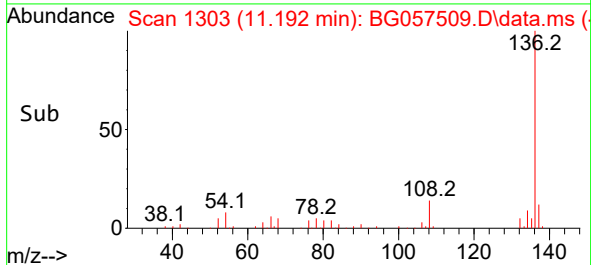
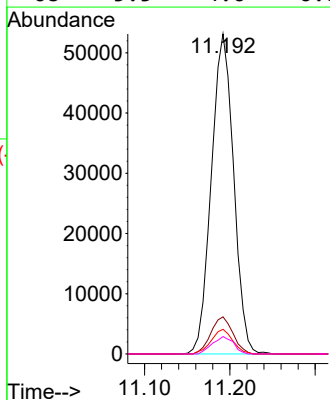
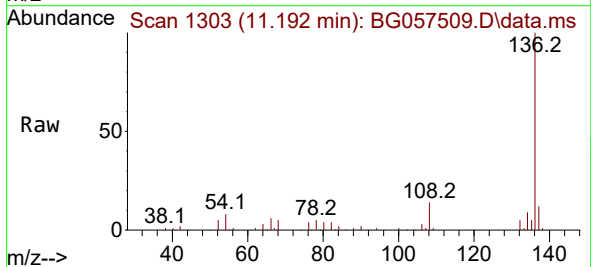
Instrument :
BNA_G
ClientSampleId :
VNJ-226

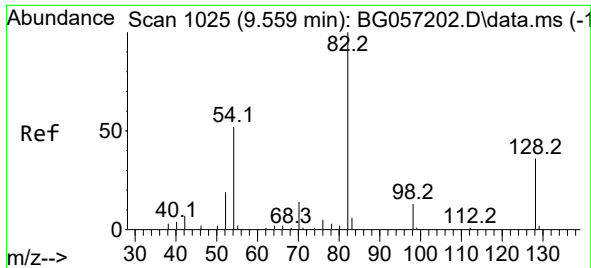
Tgt Ion: 70 Resp: 14098
Ion Ratio Lower Upper
70 100
42 40.0 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:136 Resp: 96527
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 7.7 6.7 10.1
68 5.5 4.6 6.8

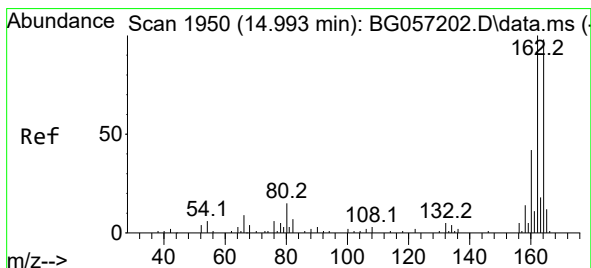
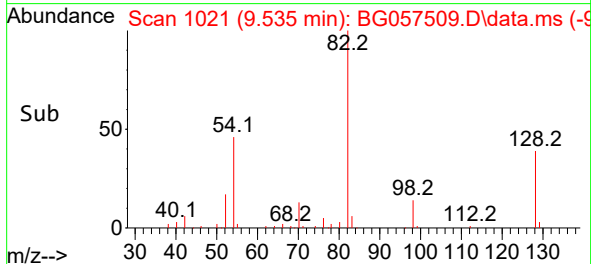
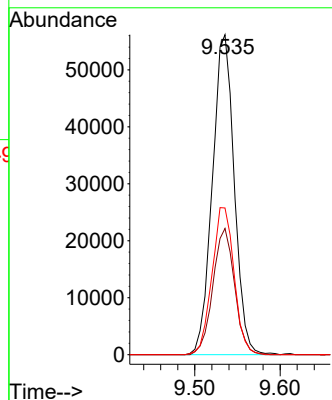
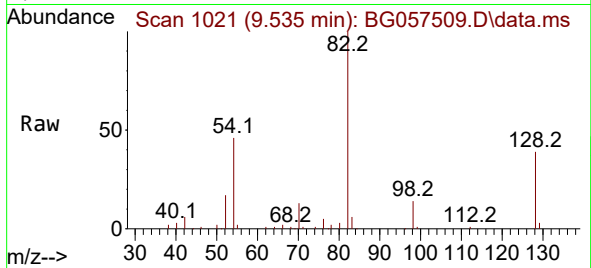




#23
Nitrobenzene-d5
Concen: 43.483 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

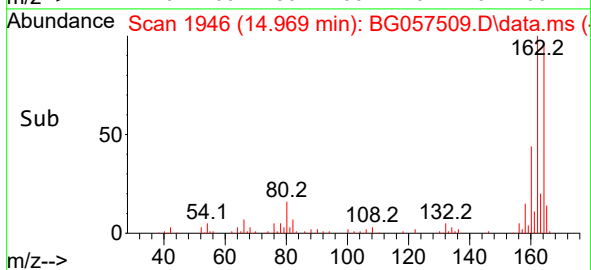
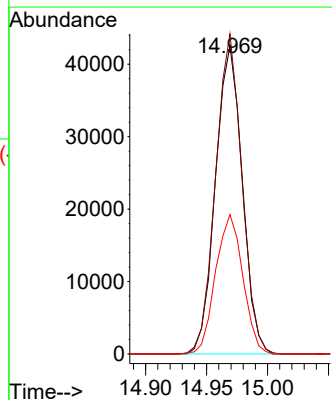
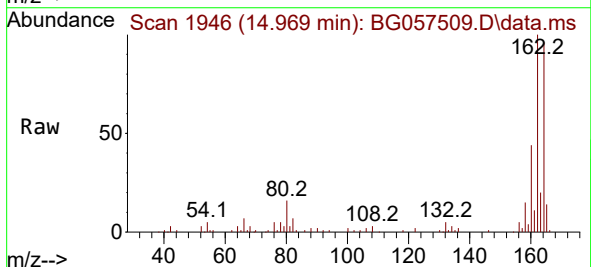
Instrument :
BNA_G
ClientSampleId :
VNJ-226

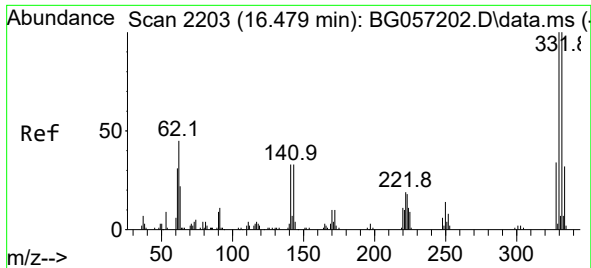
Tgt Ion: 82 Resp: 100004
Ion Ratio Lower Upper
82 100
128 39.5 29.0 43.4
54 45.9 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:164 Resp: 65007
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 45.2 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 31.037 ng

RT: 16.450 min Scan# 2198

Delta R.T. -0.007 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

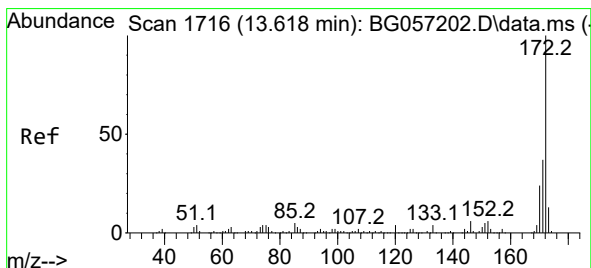
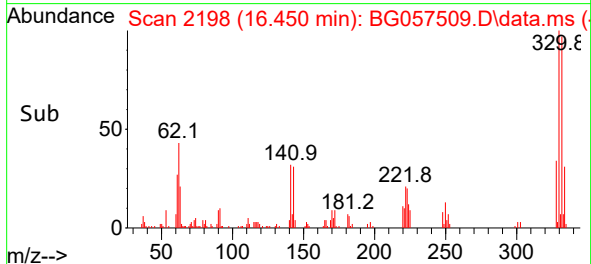
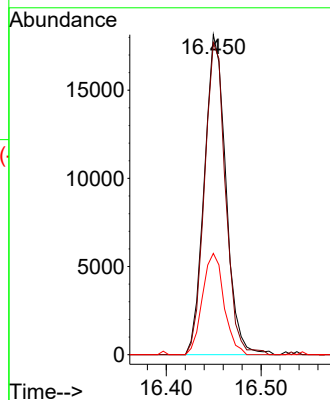
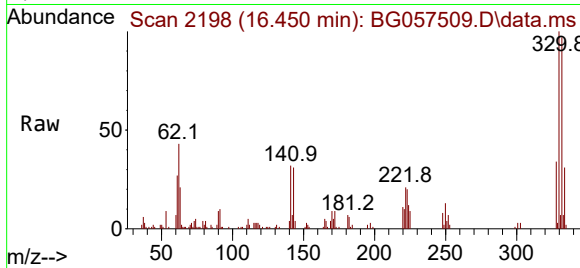
Tgt Ion:330 Resp: 28628

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

141 31.6 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 50.196 ng

RT: 13.595 min Scan# 1712

Delta R.T. -0.007 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

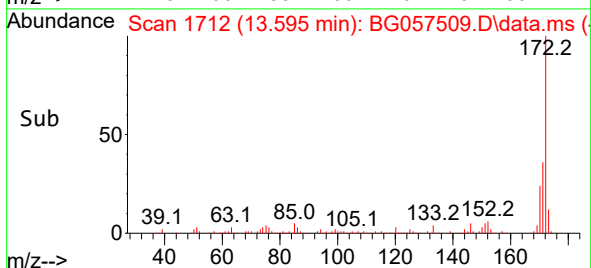
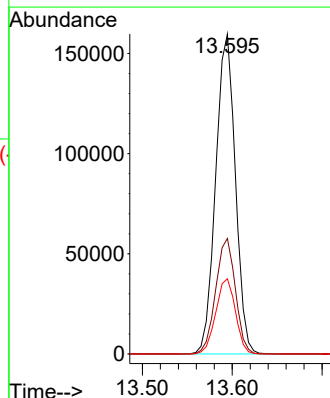
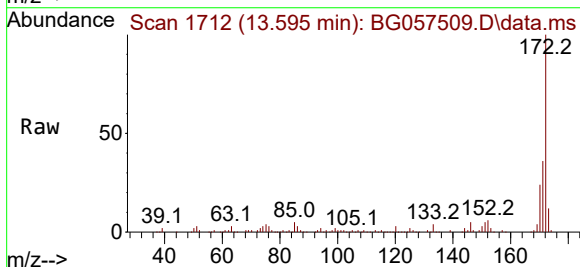
Tgt Ion:172 Resp: 242286

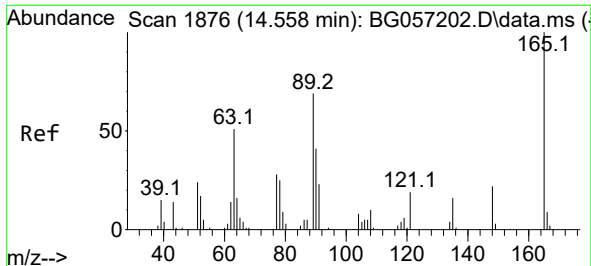
Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

170 23.5 19.0 28.6

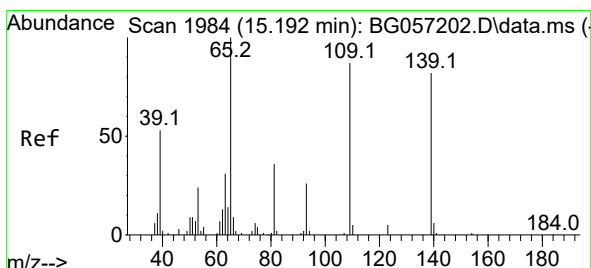
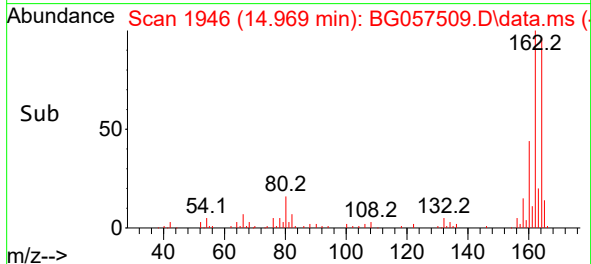
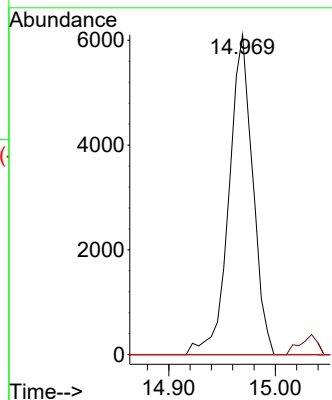
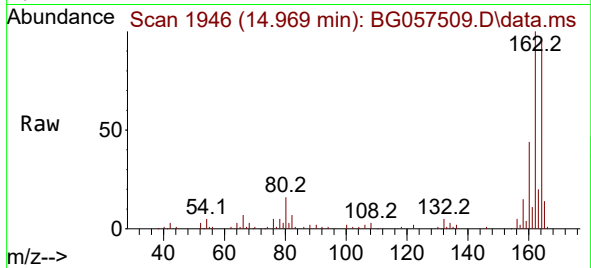




#51
2,6-Dinitrotoluene
Concen: 8.646 ng
RT: 14.969 min Scan# 1496
Delta R.T. 0.428 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

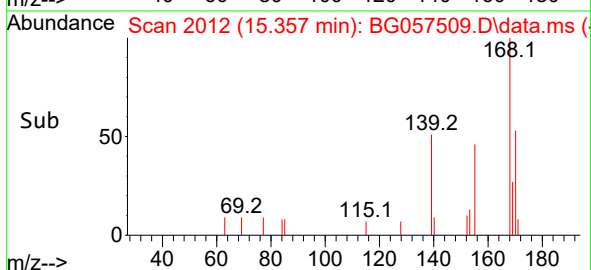
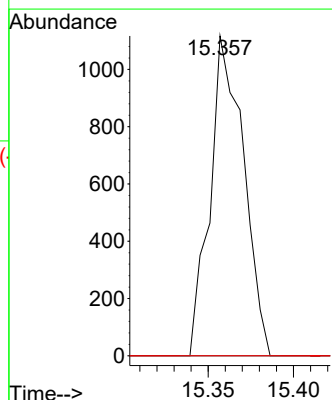
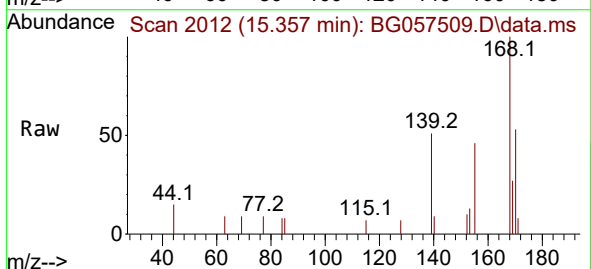
Instrument :
BNA_G
ClientSampleId :
VNJ-226

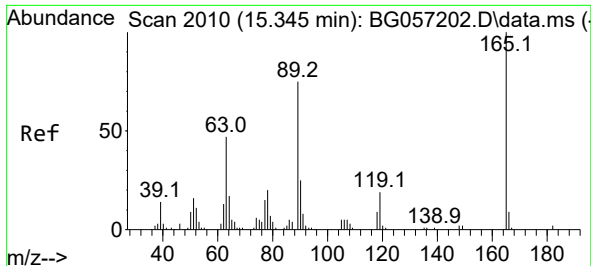
Tgt Ion:165 Resp: 9430
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#56
4-Nitrophenol
Concen: 2.100 ng
RT: 15.357 min Scan# 2012
Delta R.T. 0.175 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:139 Resp: 1526
Ion Ratio Lower Upper
139 100
109 0.0 86.6 126.6#
65 0.0 102.6 142.6#





#57

2,4-Dinitrotoluene

Concen: 6.050 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.359 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

Tgt Ion:165 Resp: 9430

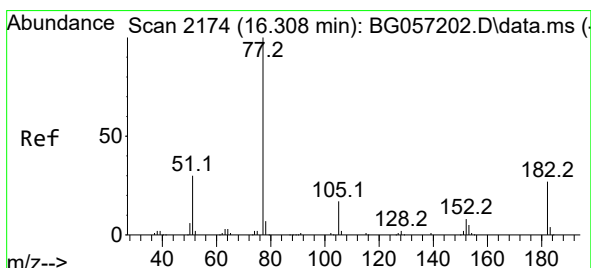
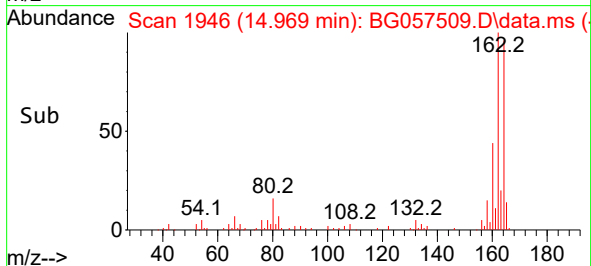
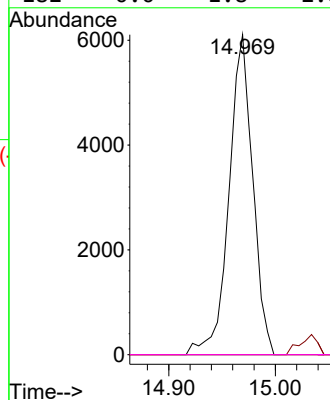
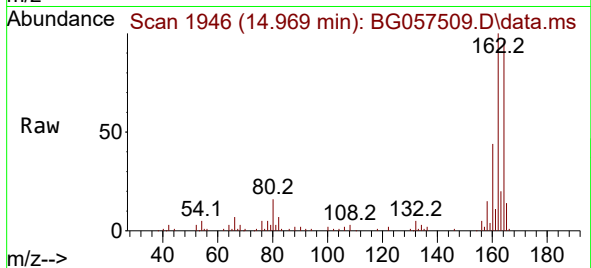
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 2.478 ng

RT: 16.303 min Scan# 2173

Delta R.T. 0.017 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Tgt Ion: 77 Resp: 12970

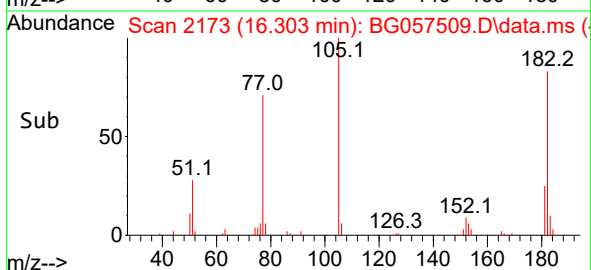
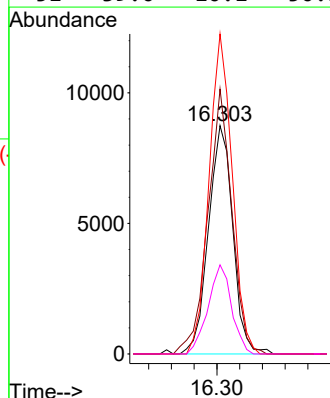
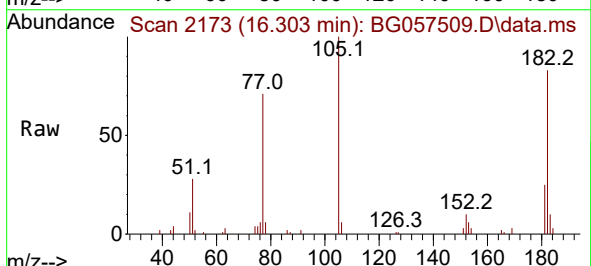
Ion Ratio Lower Upper

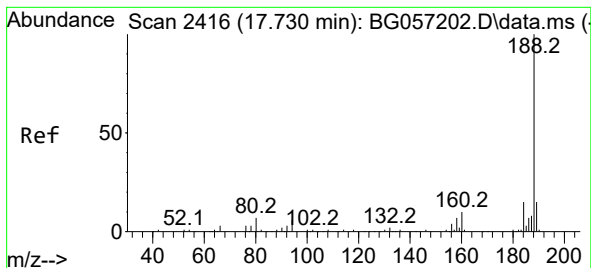
77 100

182 116.0 7.4 47.4#

105 140.2 0.0 37.2#

51 39.0 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2416

Delta R.T. -0.007 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

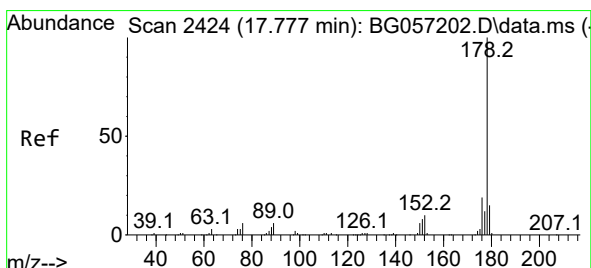
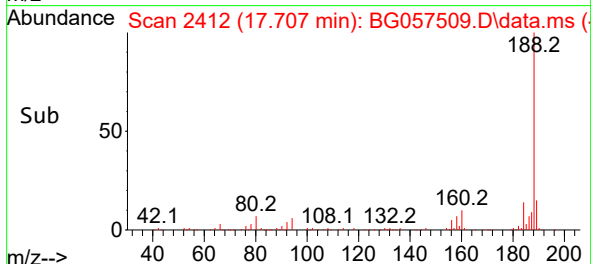
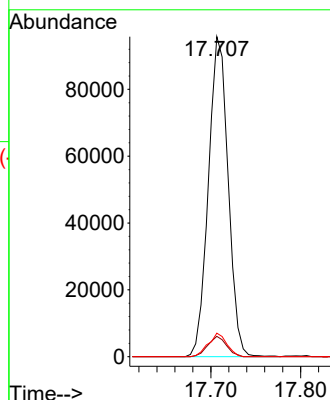
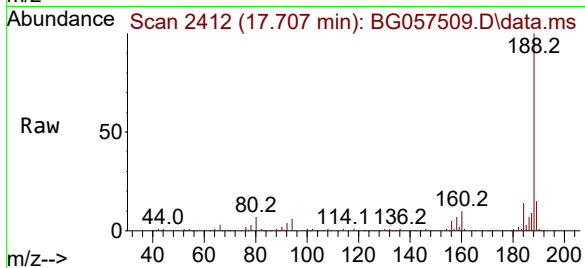
Tgt Ion:188 Resp: 146117

Ion Ratio Lower Upper

188 100

94 6.4 5.1 7.7

80 7.3 5.7 8.5



#71

Phenanthrene

Concen: 24.762 ng

RT: 17.754 min Scan# 2420

Delta R.T. -0.001 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

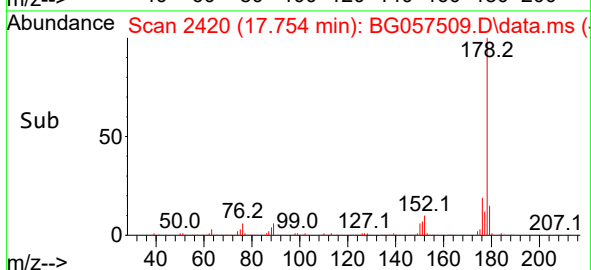
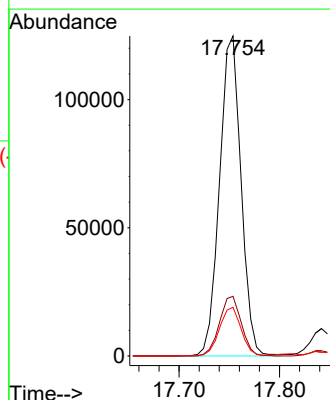
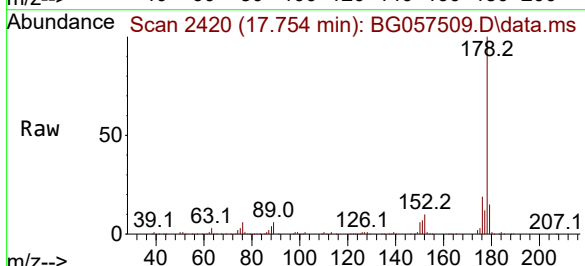
Tgt Ion:178 Resp: 185404

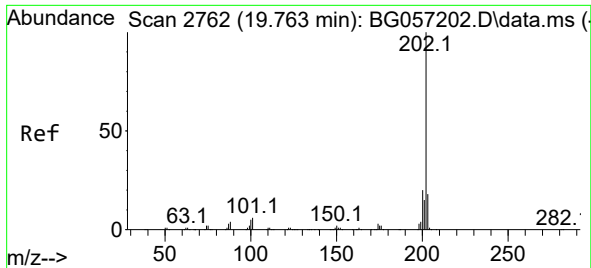
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 15.2 12.3 18.5

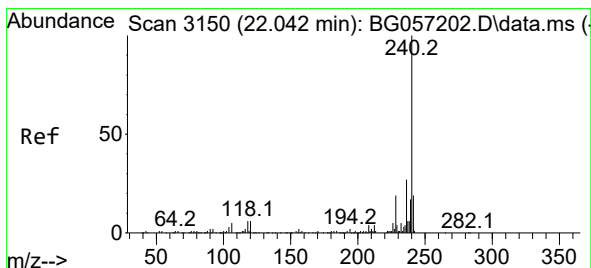
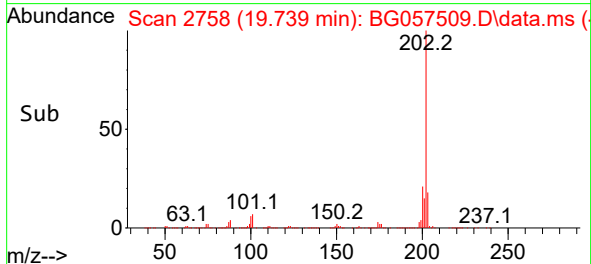
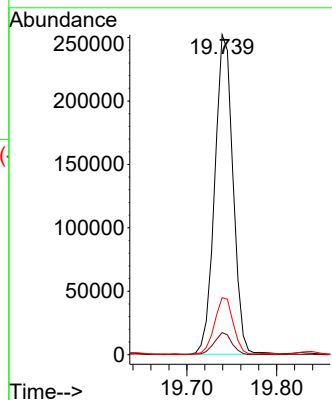
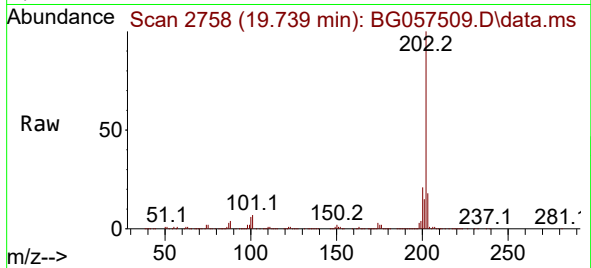




#75
Fluoranthene
Concen: 38.163 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

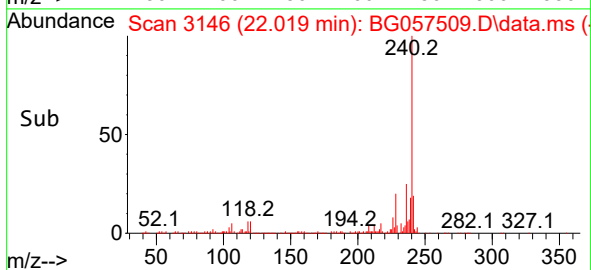
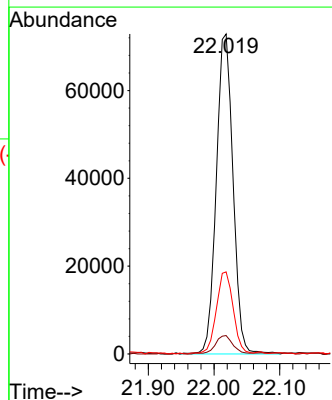
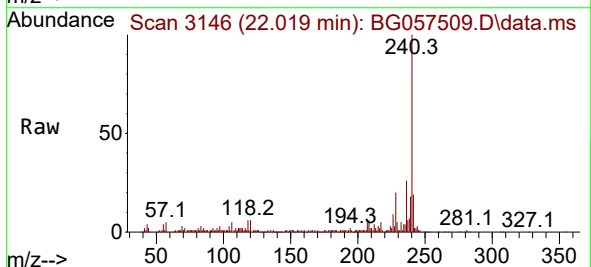
Instrument :
BNA_G
ClientSampleId :
VNJ-226

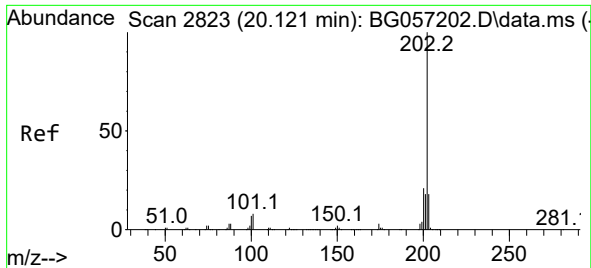
Tgt Ion:202 Resp: 355384
Ion Ratio Lower Upper
202 100
101 6.9 0.0 26.2
203 17.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:240 Resp: 128551
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 25.6 21.4 32.2

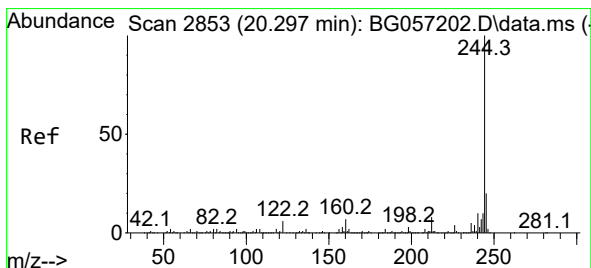
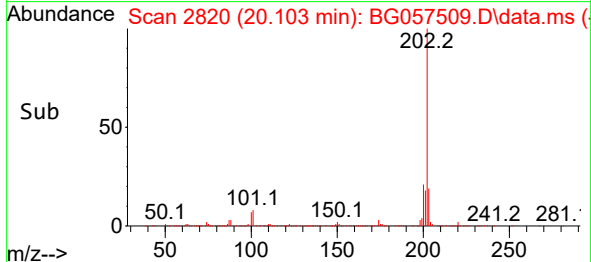
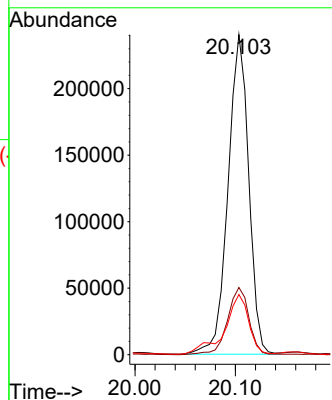
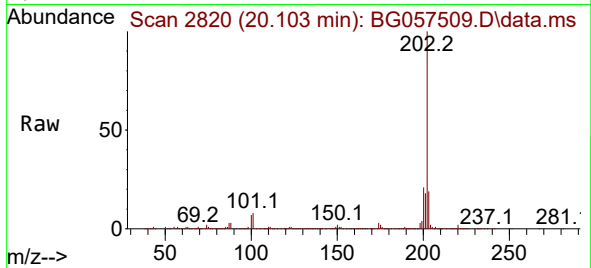




#78
 Pyrene
 Concen: 36.731 ng
 RT: 20.103 min Scan# 2820
 Delta R.T. -0.001 min
 Lab File: BG057509.D
 Acq: 23 May 2023 1:31

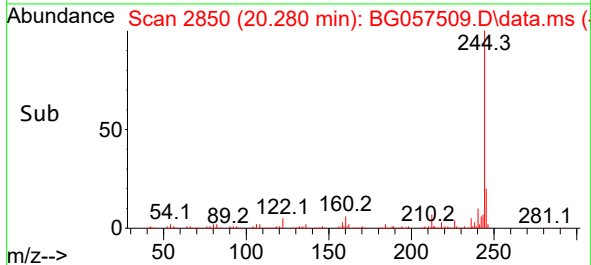
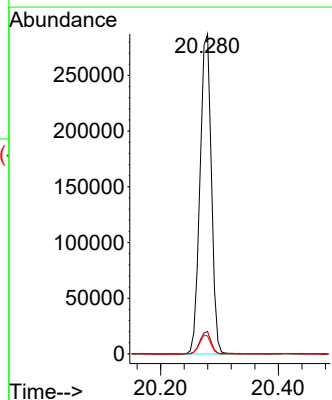
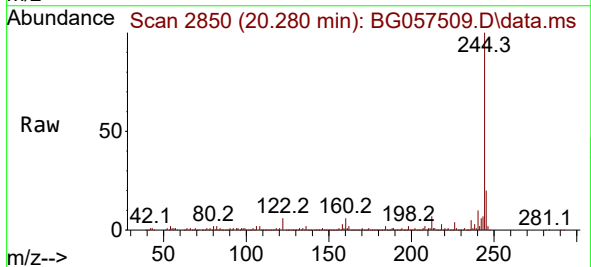
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-226

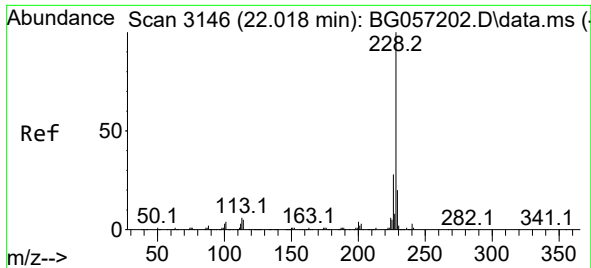
Tgt Ion:202 Resp: 343118
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.8 14.2 21.4



#79
 Terphenyl-d14
 Concen: 48.930 ng
 RT: 20.280 min Scan# 2850
 Delta R.T. -0.001 min
 Lab File: BG057509.D
 Acq: 23 May 2023 1:31

Tgt Ion:244 Resp: 385439
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.6 5.1 7.7

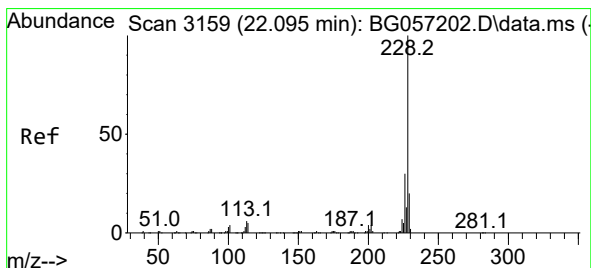
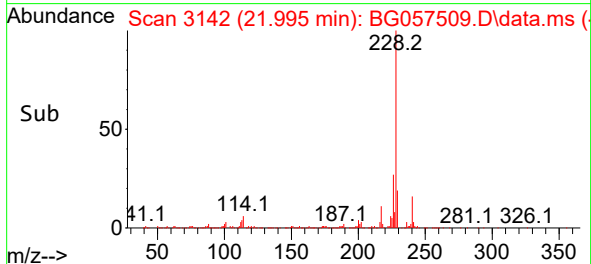
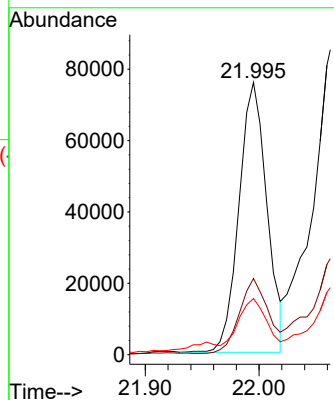
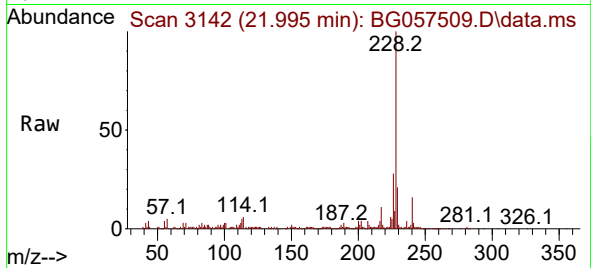




#81
Benzo(a)anthracene
Concen: 14.092 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

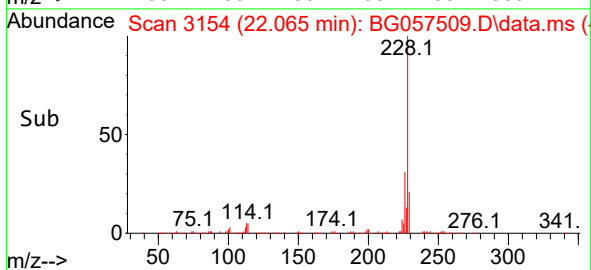
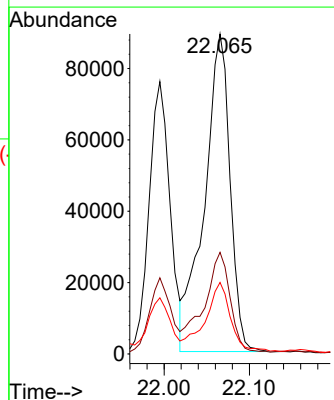
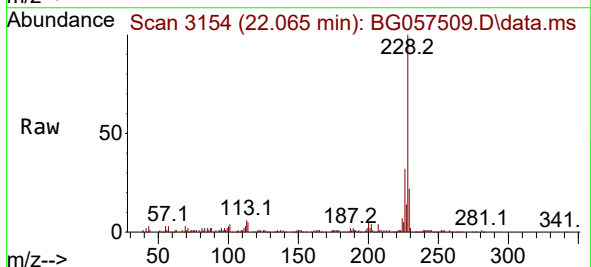
Instrument :
BNA_G
ClientSampleId :
VNJ-226

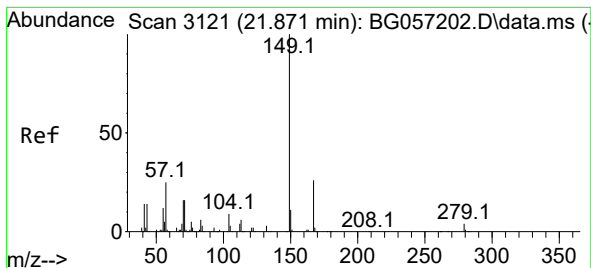
Tgt Ion:228 Resp: 129069
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 20.6 15.8 23.8



#83
Chrysene
Concen: 21.668 ng
RT: 22.065 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:228 Resp: 186720
Ion Ratio Lower Upper
228 100
226 31.8 24.3 36.5
229 22.3 15.9 23.9

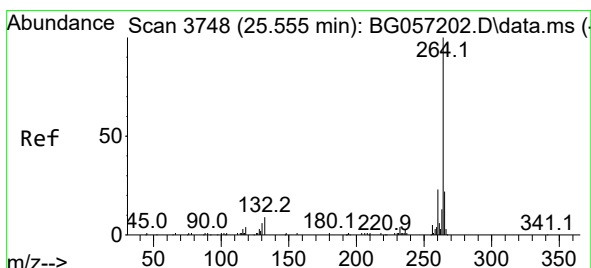
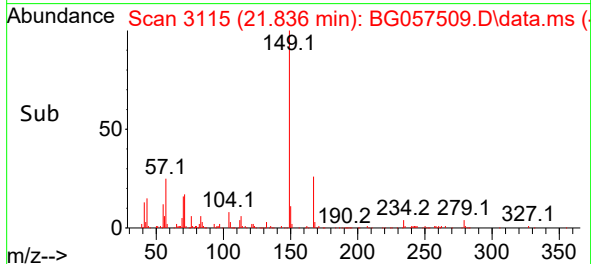
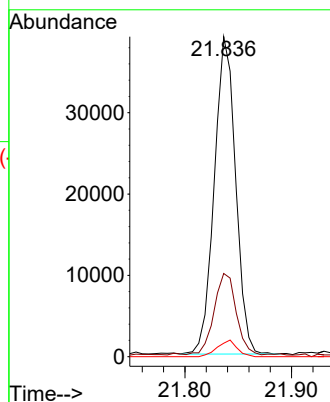
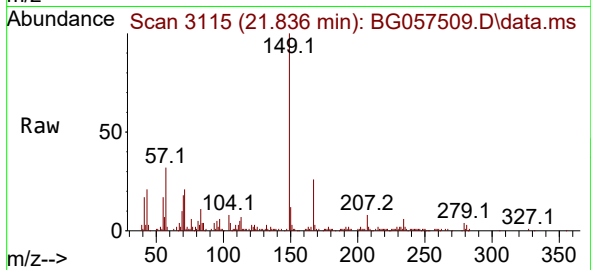




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.333 ng
RT: 21.836 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

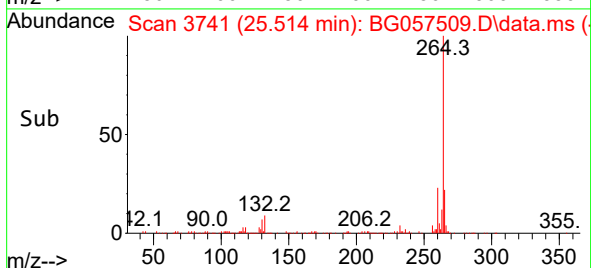
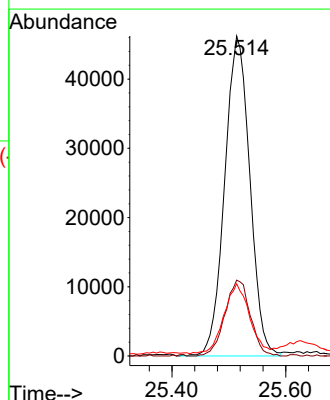
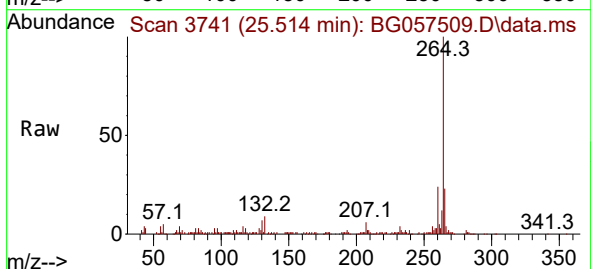
Instrument :
BNA_G
ClientSampleId :
VNJ-226

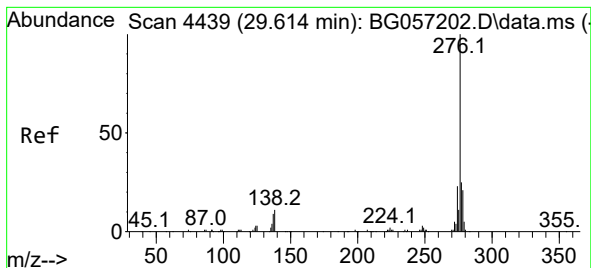
Tgt Ion:149 Resp: 54085
Ion Ratio Lower Upper
149 100
167 26.0 21.2 31.8
279 4.2 3.5 5.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.514 min Scan# 3741
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:264 Resp: 141917
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.514 ng

RT: 29.544 min Scan# 4439

Delta R.T. -0.019 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

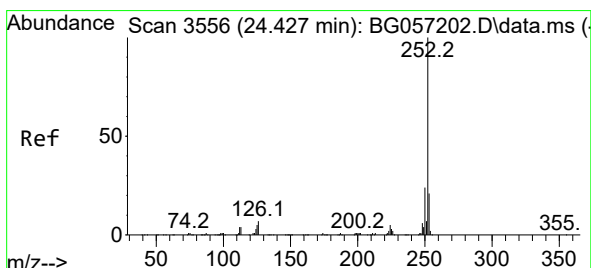
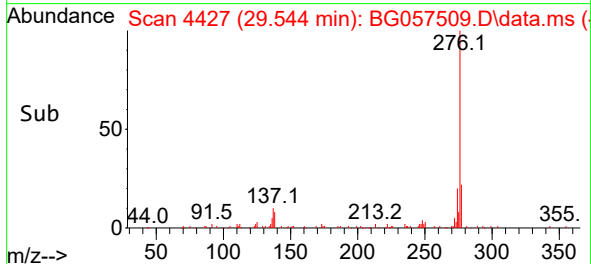
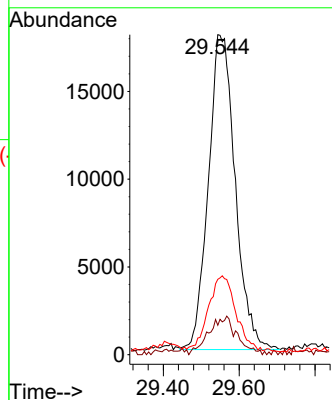
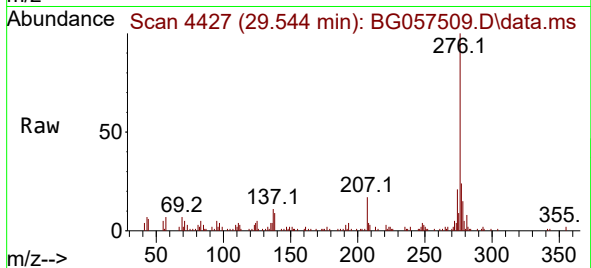
Tgt Ion:276 Resp: 88063

Ion Ratio Lower Upper

276 100

138 0.0 5.4 8.0#

277 0.0 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 22.776 ng

RT: 24.398 min Scan# 3551

Delta R.T. 0.005 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

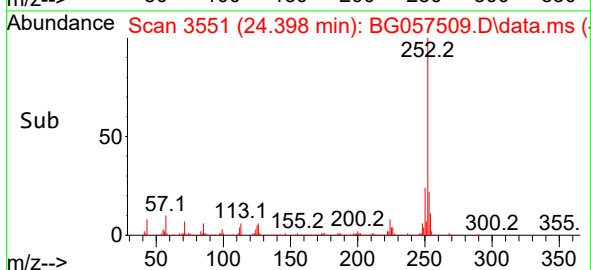
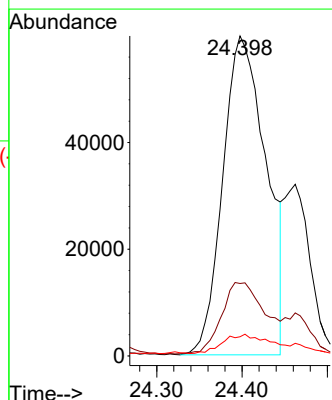
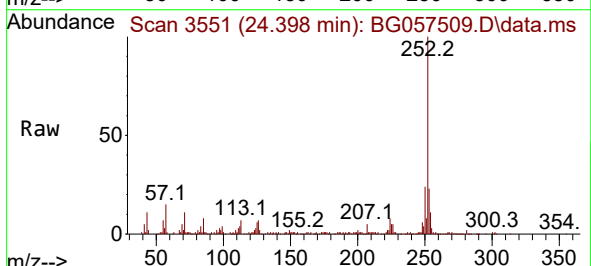
Tgt Ion:252 Resp: 211290

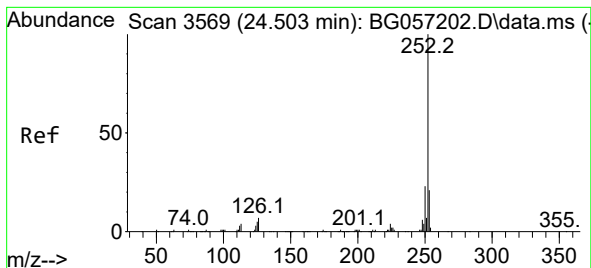
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 6.0 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 22.413 ng

RT: 24.398 min Scan# 3

Delta R.T. -0.072 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

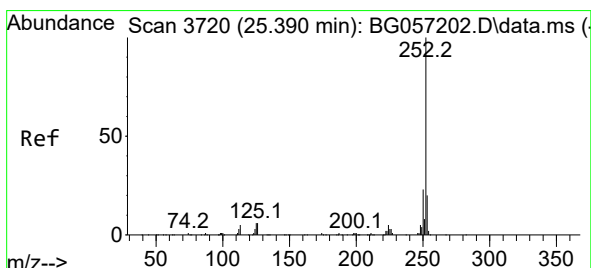
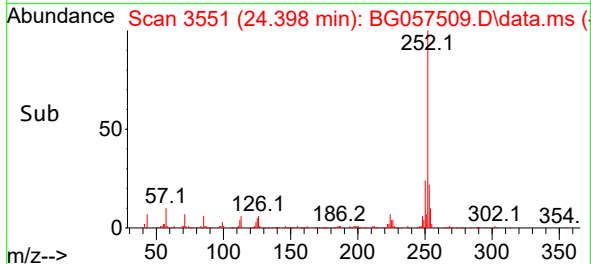
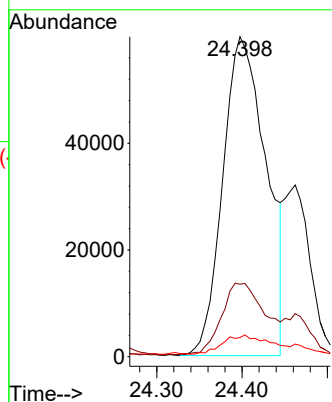
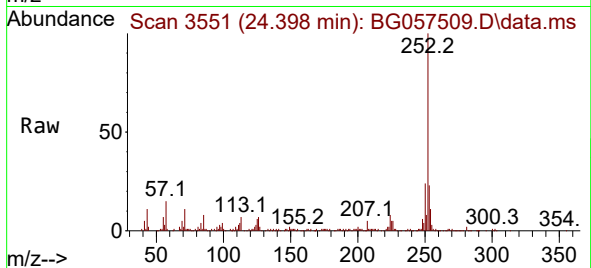
Tgt Ion:252 Resp: 211290

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 6.0 4.1 6.1



#90

Benzo(a)pyrene

Concen: 14.544 ng

RT: 25.349 min Scan# 3713

Delta R.T. -0.007 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

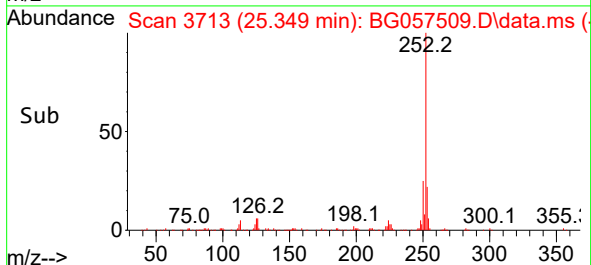
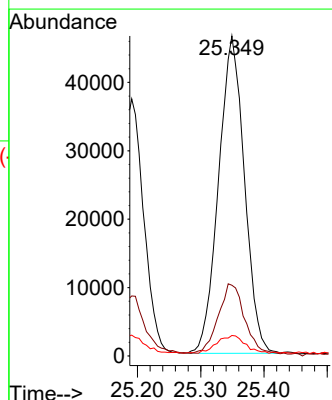
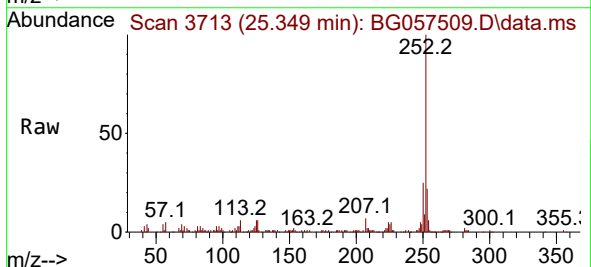
Tgt Ion:252 Resp: 131817

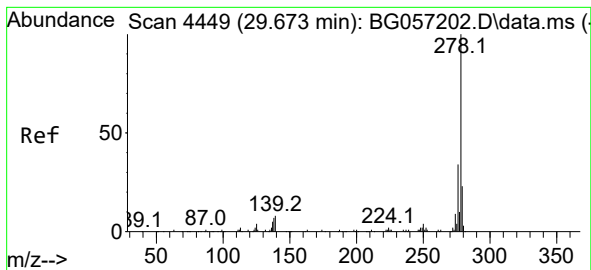
Ion Ratio Lower Upper

252 100

253 22.1 16.3 24.5

125 6.4 5.0 7.4





#91

Dibenzo(a,h)anthracene

Concen: 2.703 ng

RT: 29.585 min Scan# 4434

Delta R.T. -0.025 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

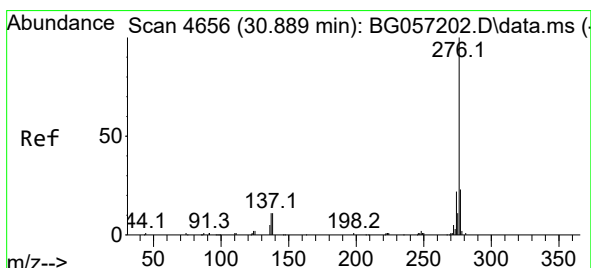
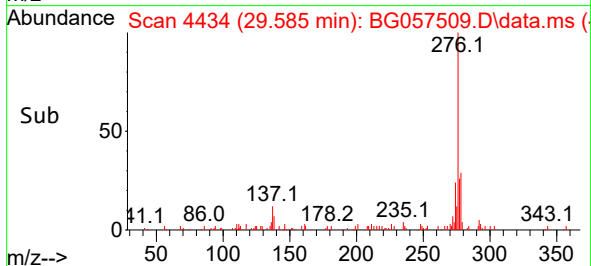
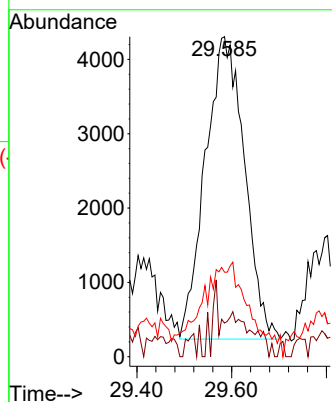
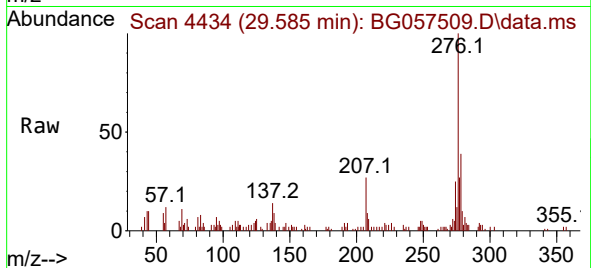
Tgt Ion:278 Resp: 23286

Ion Ratio Lower Upper

278 100

139 10.5 6.2 9.2#

279 26.4 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 10.939 ng

RT: 30.830 min Scan# 4646

Delta R.T. -0.007 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Tgt Ion:276 Resp: 92005

Ion Ratio Lower Upper

276 100

277 25.6 18.4 27.6

138 14.1 9.0 13.4#

