

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
 Data File : BG054294.D
 Acq On : 15 Jul 2022 00:40
 Operator : CG/JU
 Sample : N3688-03 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

Quant Time: Jul 15 02:00:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 15:49:20 2022
 Response via : Initial Calibration

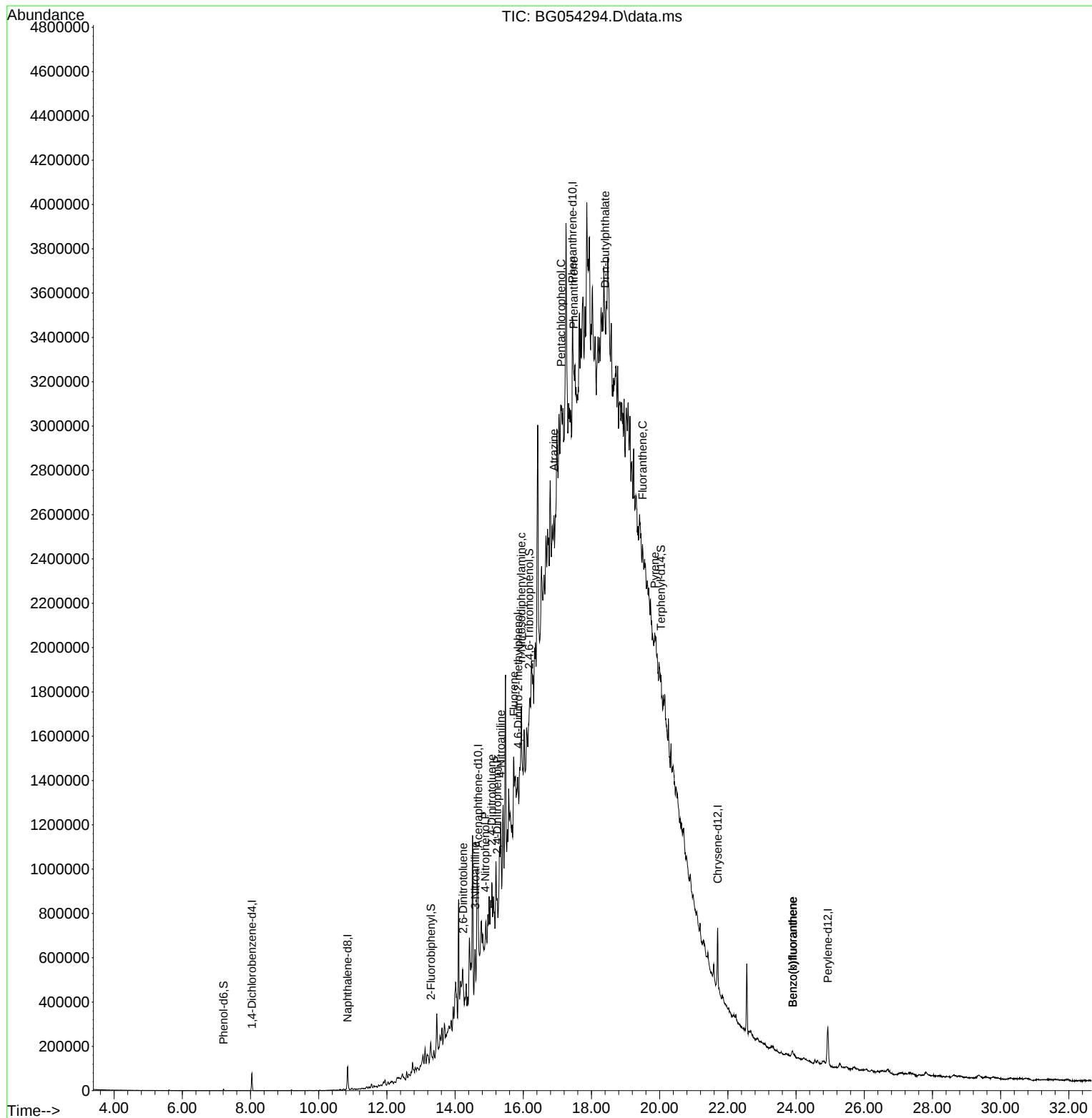
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.041	152	24746	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	93276	20.000	ng	# 0.00
39) Acenaphthene-d10	14.674	164	66436	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	155741	20.000	ng	# 0.02
76) Chrysene-d12	21.701	240	188370	20.000	ng	# 0.00
86) Perylene-d12	24.933	264	208857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.620	112	1874	1.521	ng	0.00
7) Phenol-d6	7.207	99	4277	2.518	ng	0.00
23) Nitrobenzene-d5	9.198	82	3103	1.805	ng	0.00
42) 2,4,6-Tribromophenol	16.173	330	5965	4.635	ng	0.00
45) 2-Fluorobiphenyl	13.294	172	15206	3.363	ng	0.00
79) Terphenyl-d14	20.039	244	33981	3.710	ng	0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.234	165	9085	8.013	ng	# 38
53) 3-Nitroaniline	14.592	138	8431	8.389	ng	# 23
54) 2,4-Dinitrophenol	15.238	184	3805	11.431	ng	95
56) 4-Nitrophenol	14.886	139	1848	2.862	ng	# 1
57) 2,4-Dinitrotoluene	15.074	165	3564	2.171	ng	# 59
58) Fluorene	15.726	166	15396	3.079	ng	# 17
62) 4-Nitroaniline	15.338	138	4550	4.335	ng	83
65) 4,6-Dinitro-2-methylph...	15.855	198	2604	2.842	ng	# 1
66) n-Nitrosodiphenylamine	15.944	169	27420	6.980	ng	# 47
69) Atrazine	16.901	200	3610	2.081	ng	# 1
70) Pentachlorophenol	17.113	266	523	4.991	ng	# 10
71) Phenanthrene	17.483	178	91673	11.767	ng	# 55
74) Di-n-butylphthalate	18.405	149	30366	3.969	ng	# 50
75) Fluoranthene	19.498	202	42930	4.052	ng	# 54
78) Pyrene	19.857	202	38225	3.526	ng	# 59
88) Benzo(b)fluoranthene	23.905	252	34162	2.758	ng	# 87
89) Benzo(k)fluoranthene	23.905	252	34162	2.780	ng	# 89

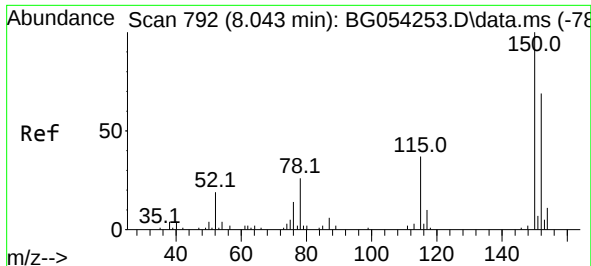
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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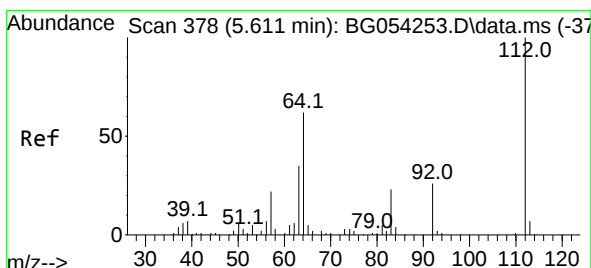
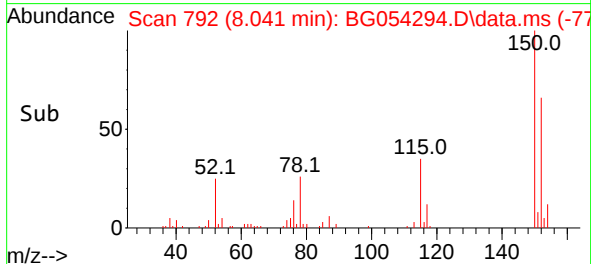
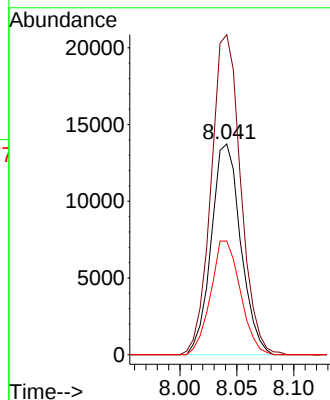
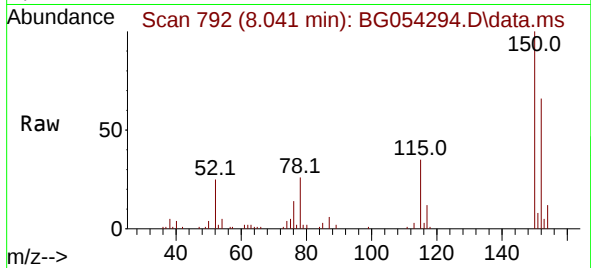




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.041 min Scan# 792
Delta R.T. -0.002 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

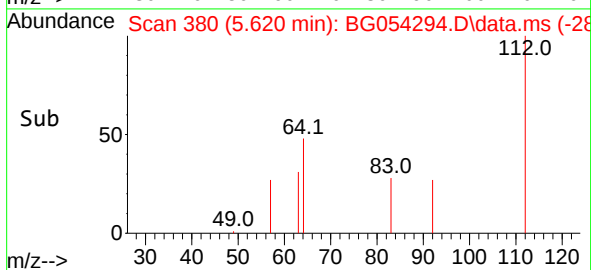
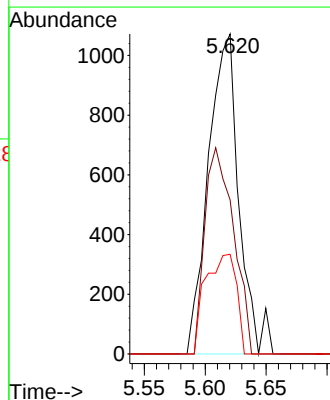
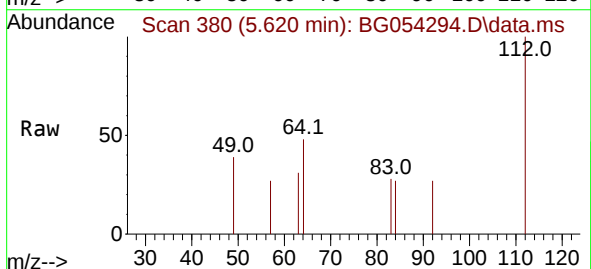
Instrument :
BNA_G
ClientSampleId :
VNJ-240

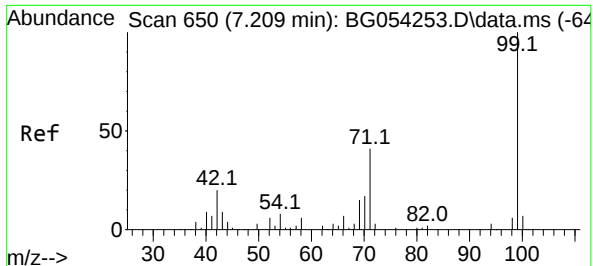
Tgt Ion:152 Resp: 24746
Ion Ratio Lower Upper
152 100
150 151.9 131.6 197.4
115 53.9 50.9 76.3



#5
2-Fluorophenol
Concen: 1.521 ng
RT: 5.620 min Scan# 380
Delta R.T. 0.010 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:112 Resp: 1874
Ion Ratio Lower Upper
112 100
64 48.1 55.1 82.7#
63 31.2 30.4 45.6

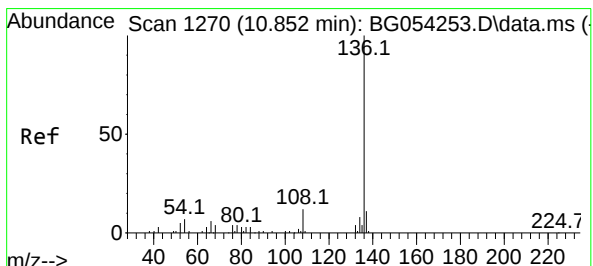
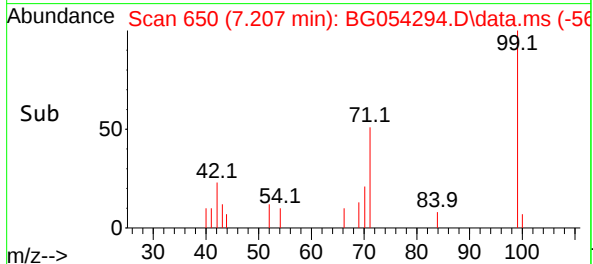
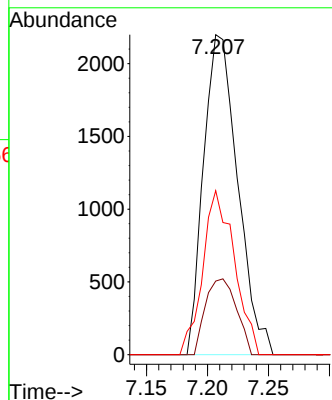
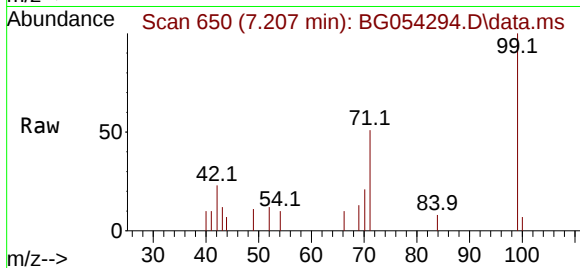




#7
Phenol-d6
Concen: 2.518 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

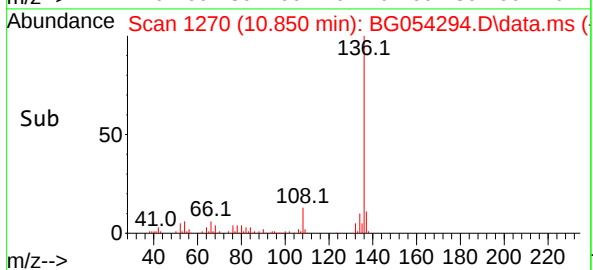
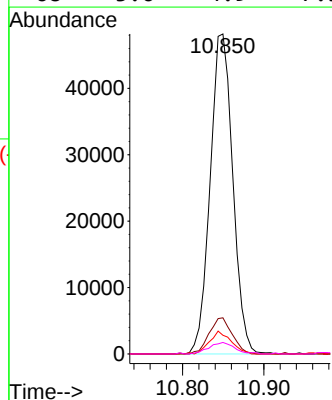
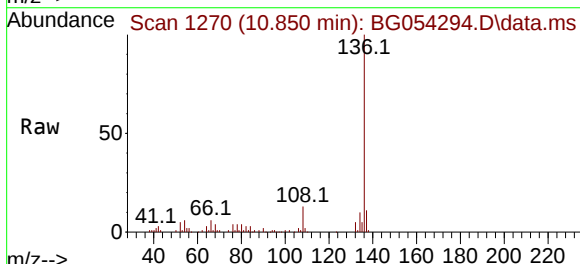
Instrument :
BNA_G
ClientSampleId :
VNJ-240

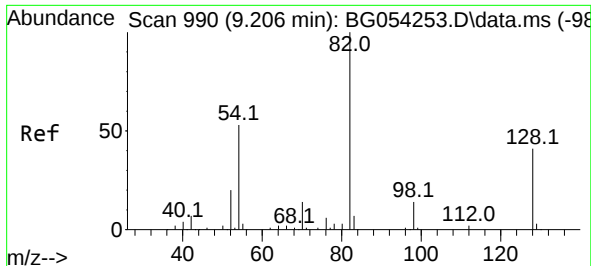
Tgt Ion: 99 Resp: 4277
Ion Ratio Lower Upper
99 100
42 23.0 17.0 25.6
71 51.3 33.8 50.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1270
Delta R.T. -0.002 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion: 136 Resp: 93276
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 5.8 7.4 11.2#
68 3.6 4.9 7.3#

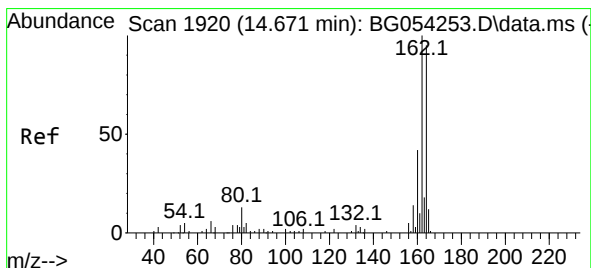
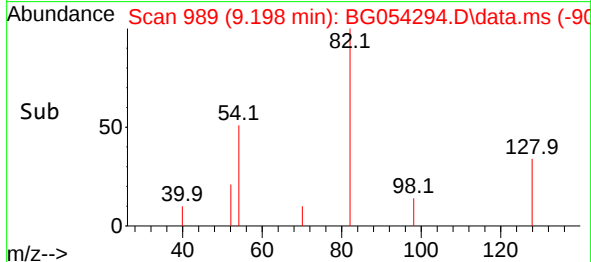
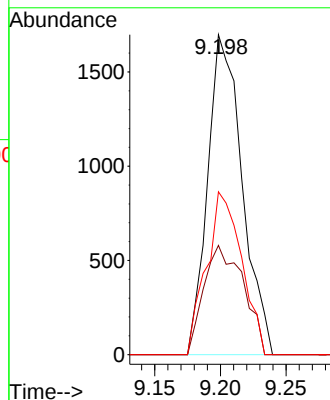
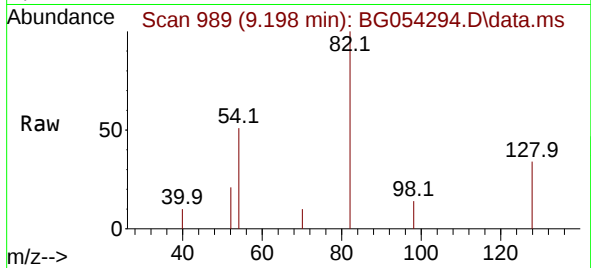




#23
Nitrobenzene-d5
Concen: 1.805 ng
RT: 9.198 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

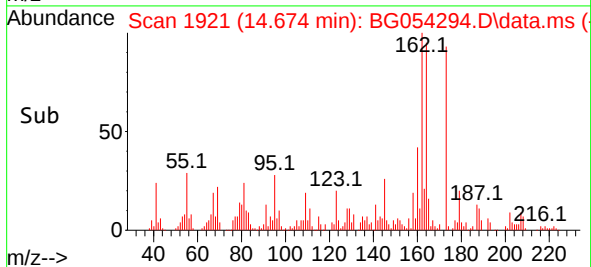
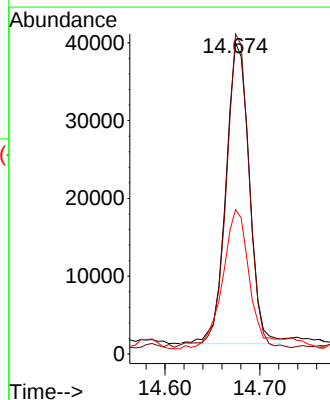
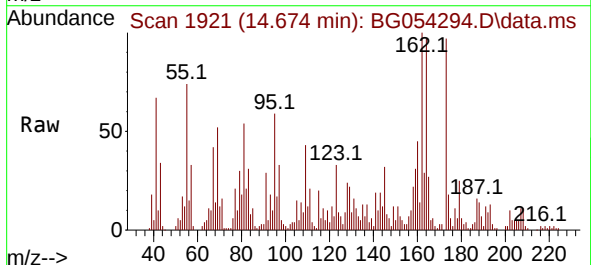
Instrument :
BNA_G
ClientSampleId :
VNJ-240

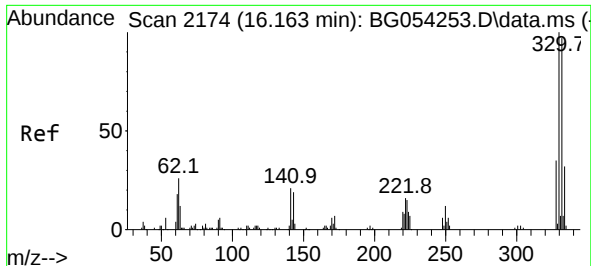
Tgt Ion: 82 Resp: 3103
Ion Ratio Lower Upper
82 100
128 34.2 27.9 41.9
54 50.9 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.674 min Scan# 1921
Delta R.T. 0.003 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:164 Resp: 66436
Ion Ratio Lower Upper
164 100
162 102.9 82.3 123.5
160 46.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 4.635 ng

RT: 16.173 min Scan# 2174

Delta R.T. 0.010 min

Lab File: BG054294.D

Acq: 15 Jul 2022 00:40

Instrument :

BNA_G

ClientSampleId :

VNJ-240

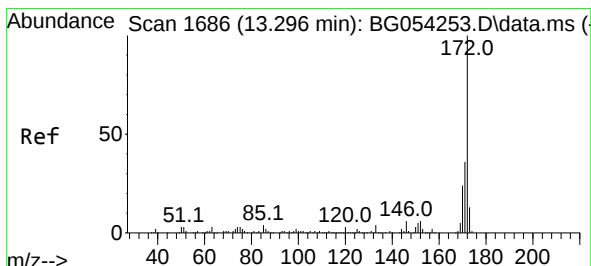
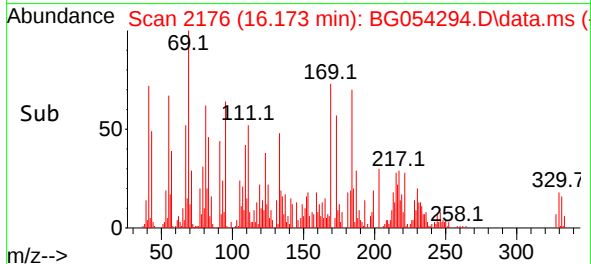
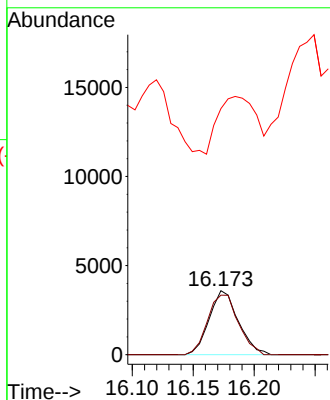
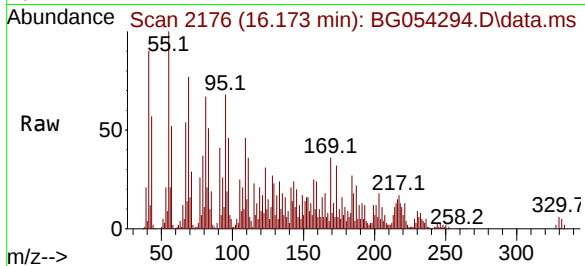
Tgt Ion:330 Resp: 5965

Ion Ratio Lower Upper

330 100

332 98.7 76.0 114.0

141 116.5 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 3.363 ng

RT: 13.294 min Scan# 1686

Delta R.T. -0.002 min

Lab File: BG054294.D

Acq: 15 Jul 2022 00:40

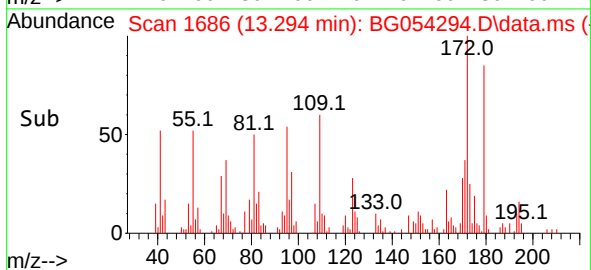
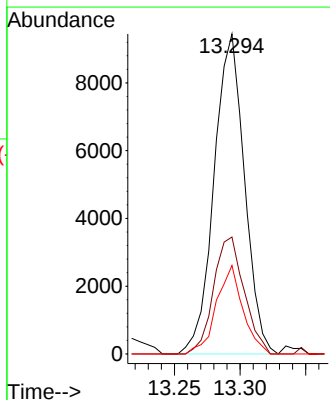
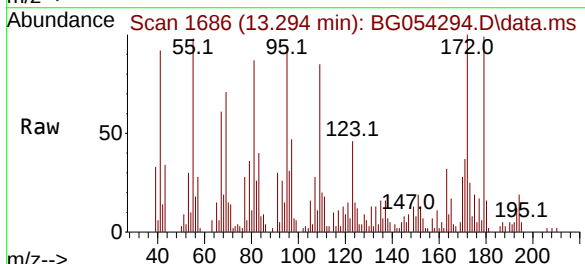
Tgt Ion:172 Resp: 15206

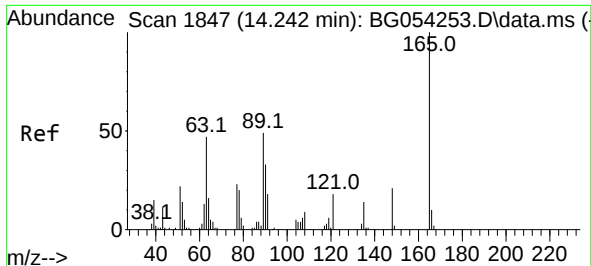
Ion Ratio Lower Upper

172 100

171 36.5 28.5 42.7

170 27.7 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.013 ng

RT: 14.234 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG054294.D

Acq: 15 Jul 2022 00:40

Instrument :

BNA_G

ClientSampleId :

VNJ-240

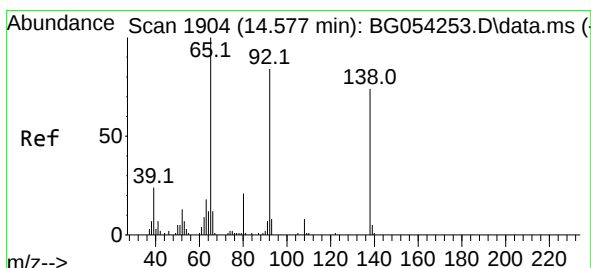
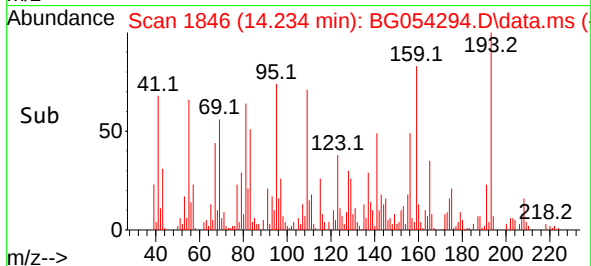
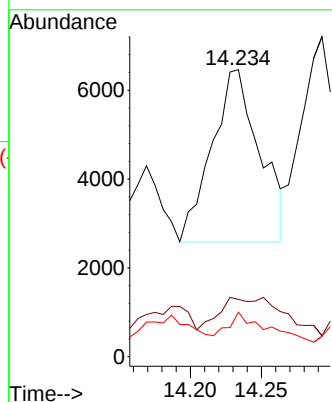
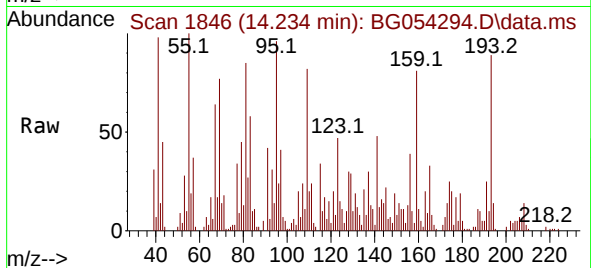
Tgt Ion:165 Resp: 9085

Ion Ratio Lower Upper

165 100

63 20.0 54.1 81.1#

89 15.5 54.8 82.2#



#53

3-Nitroaniline

Concen: 8.389 ng

RT: 14.592 min Scan# 1907

Delta R.T. 0.016 min

Lab File: BG054294.D

Acq: 15 Jul 2022 00:40

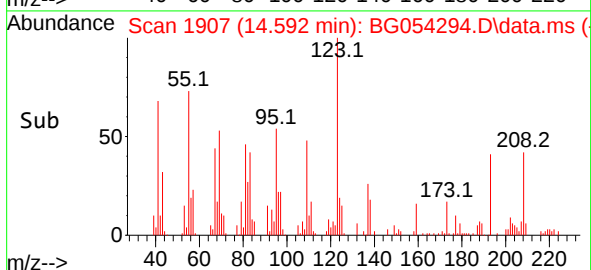
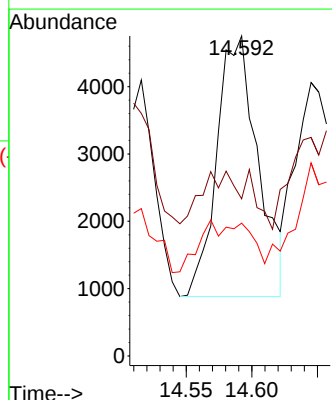
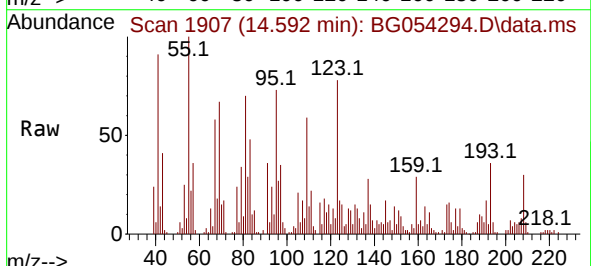
Tgt Ion:138 Resp: 8431

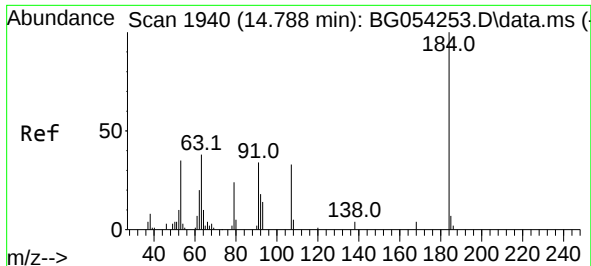
Ion Ratio Lower Upper

138 100

108 49.1 9.2 13.8#

92 41.5 101.9 152.9#

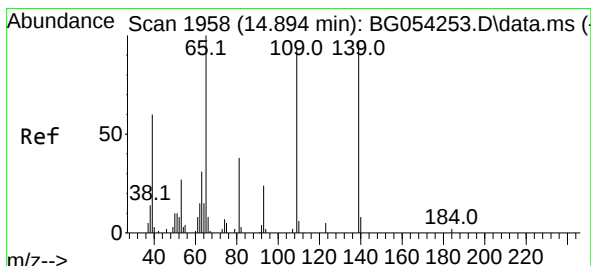
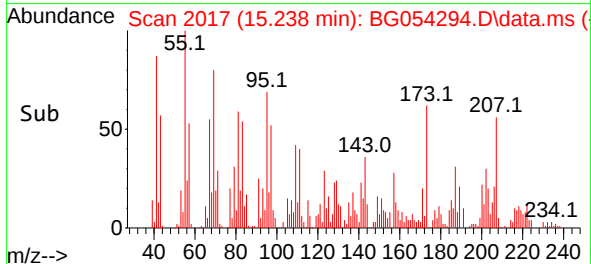
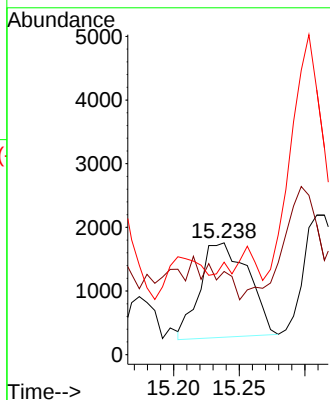
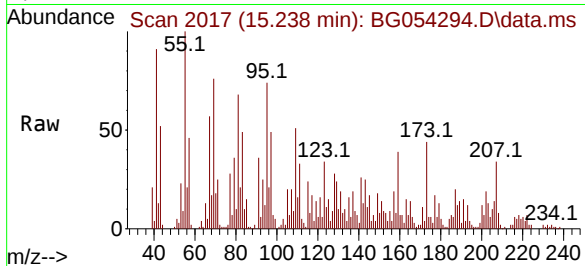




#54
2,4-Dinitrophenol
Concen: 11.431 ng
RT: 15.238 min Scan# 2017
Delta R.T. 0.450 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

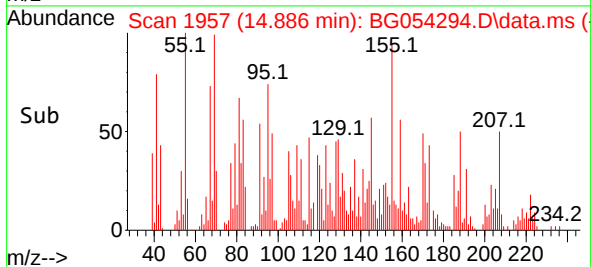
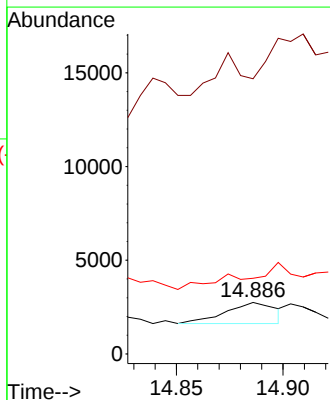
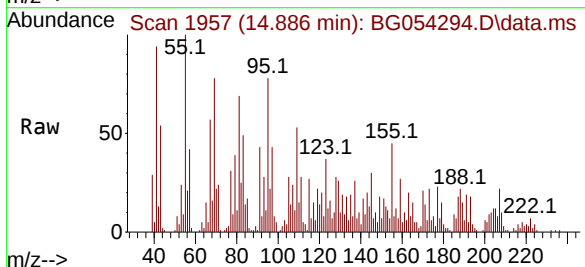
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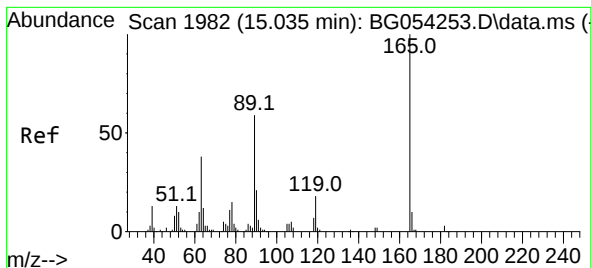
Tgt Ion:184 Resp: 3805
Ion Ratio Lower Upper
184 100
63 74.4 61.1 91.7
154 82.7 60.6 91.0



#56
4-Nitrophenol
Concen: 2.862 ng
RT: 14.886 min Scan# 1957
Delta R.T. -0.008 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:139 Resp: 1848
Ion Ratio Lower Upper
139 100
109 533.7 88.5 128.5#
65 146.9 93.9 133.9#

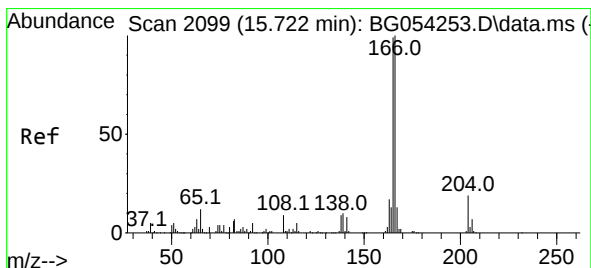
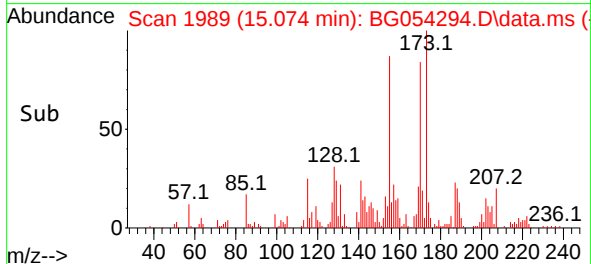
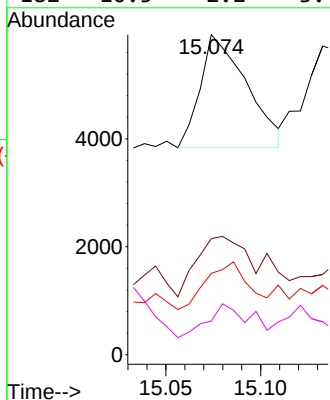
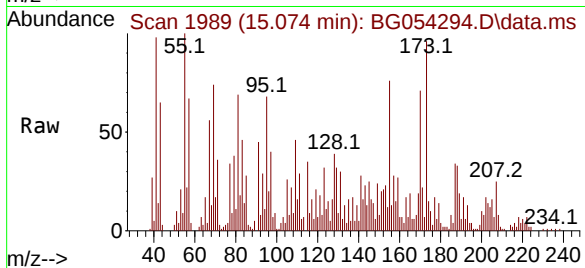




#57
2,4-Dinitrotoluene
Concen: 2.171 ng
RT: 15.074 min Scan# 1982
Delta R.T. 0.039 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

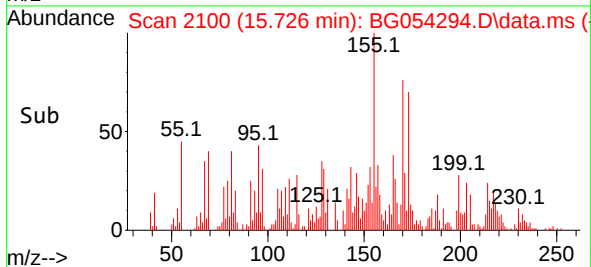
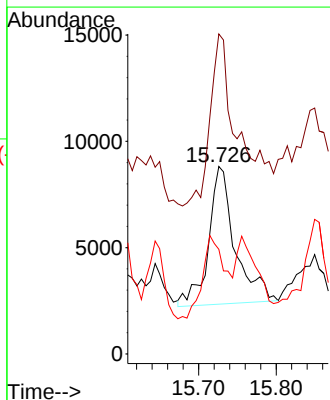
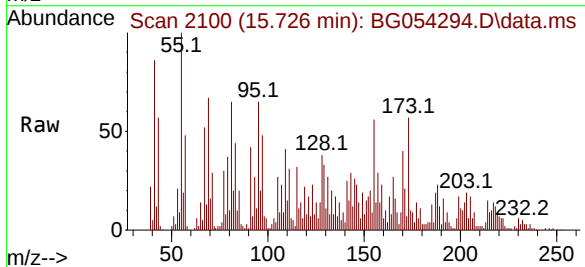
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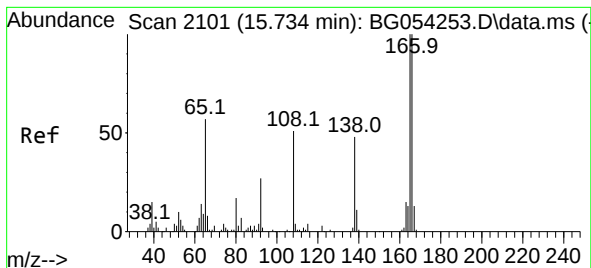
Tgt Ion:165 Resp: 3564
Ion Ratio Lower Upper
165 100
63 36.3 34.6 52.0
89 25.4 60.3 90.5#
182 10.5 2.2 3.4#



#58
Fluorene
Concen: 3.079 ng
RT: 15.726 min Scan# 2100
Delta R.T. 0.004 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:166 Resp: 15396
Ion Ratio Lower Upper
166 100
165 170.7 75.0 112.6#
167 55.8 10.8 16.2#

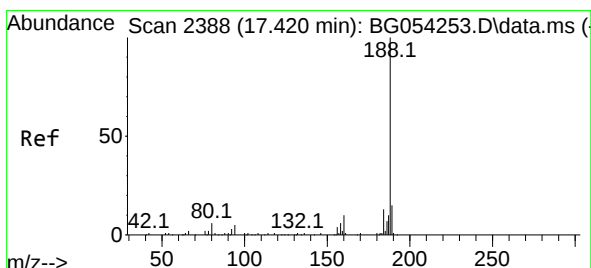
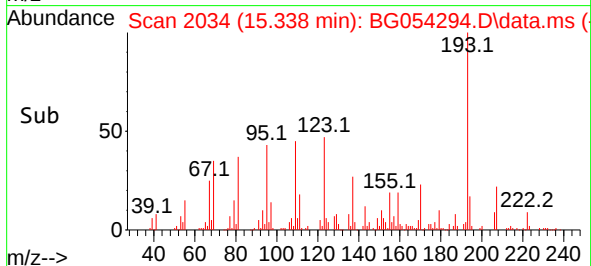
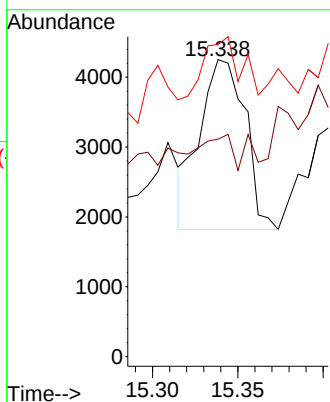
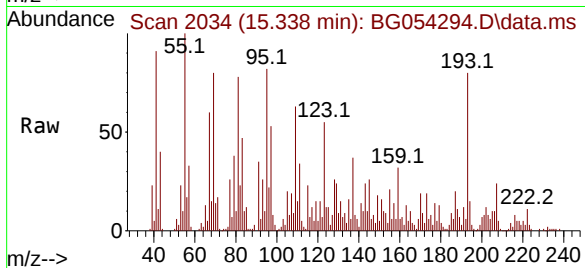




#62
4-Nitroaniline
Concen: 4.335 ng
RT: 15.338 min Scan# 2034
Delta R.T. -0.396 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

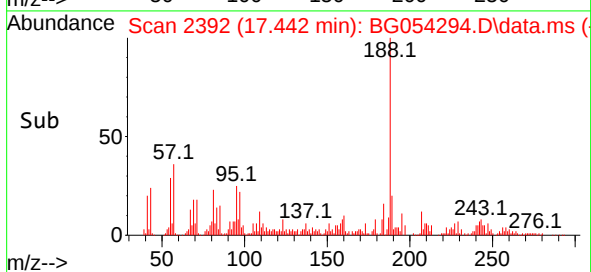
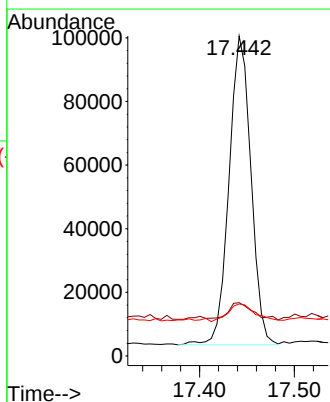
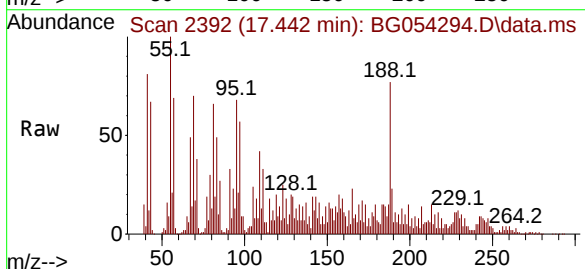
Instrument :
BNA_G
ClientSampleId :
VNJ-240

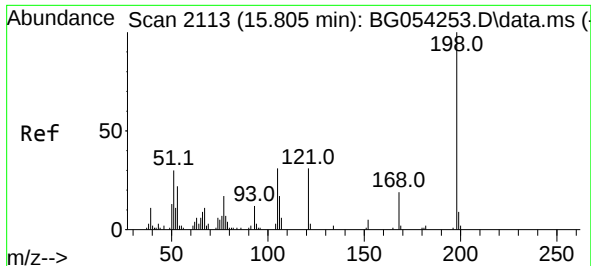
Tgt Ion:138 Resp: 4550
Ion Ratio Lower Upper
138 100
92 73.3 40.5 80.5
108 105.1 103.7 143.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 2392
Delta R.T. 0.022 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:188 Resp: 155741
Ion Ratio Lower Upper
188 100
94 16.6 5.4 8.0#
80 16.3 6.8 10.2#

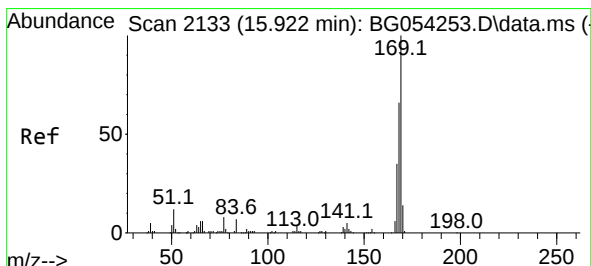
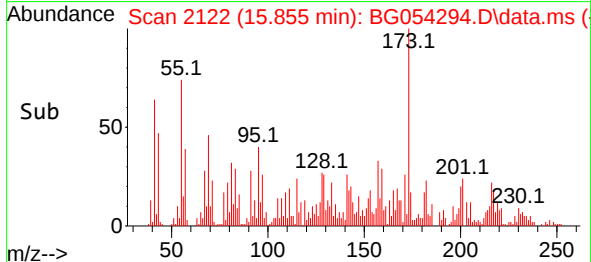
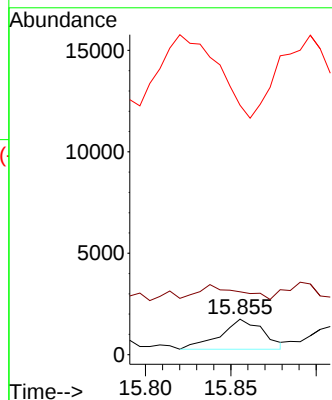
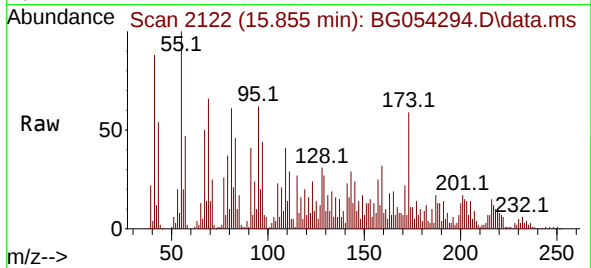




#65
4,6-Dinitro-2-methylphenol
Concen: 2.842 ng
RT: 15.855 min Scan# 2113
Delta R.T. 0.051 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

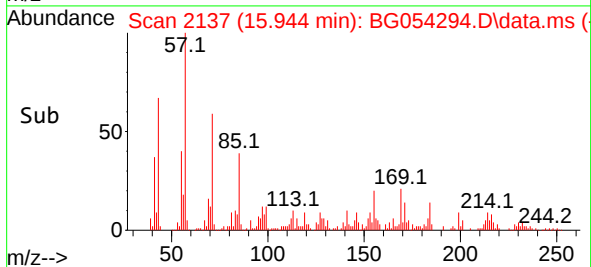
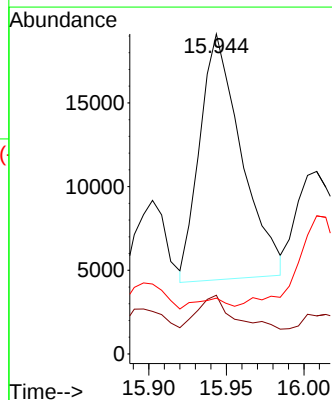
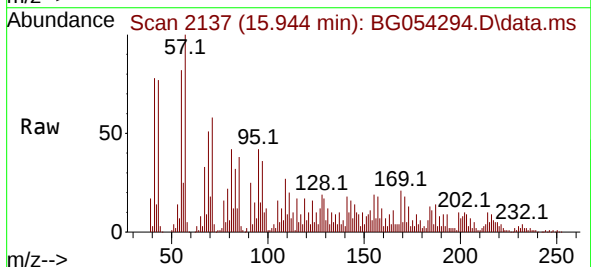
Instrument :
BNA_G
ClientSampleId :
VNJ-240

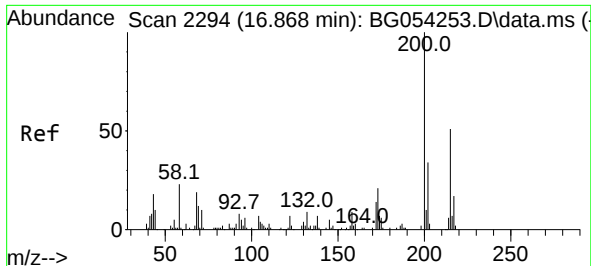
Tgt Ion:198 Resp: 2604
Ion Ratio Lower Upper
198 100
51 177.2 28.1 68.1#
105 703.4 20.3 60.3#



#66
n-Nitrosodiphenylamine
Concen: 6.980 ng
RT: 15.944 min Scan# 2137
Delta R.T. 0.021 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:169 Resp: 27420
Ion Ratio Lower Upper
169 100
168 18.3 55.9 83.9#
167 17.5 30.6 46.0#

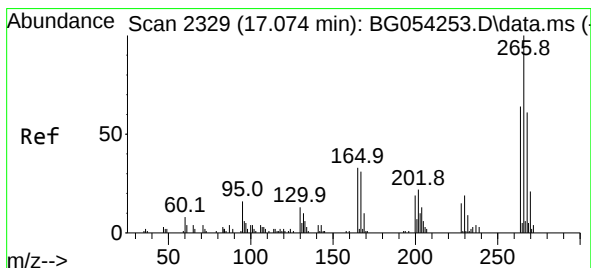
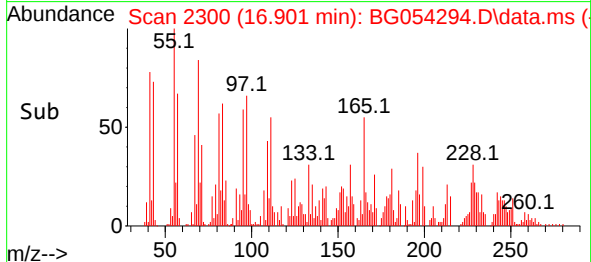
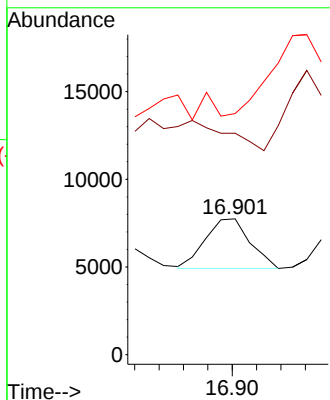
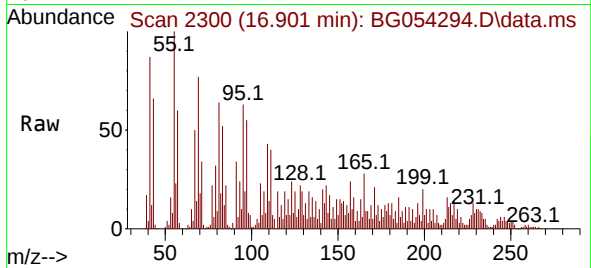




#69
 Atrazine
 Concen: 2.081 ng
 RT: 16.901 min Scan# 21
 Delta R.T. 0.033 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

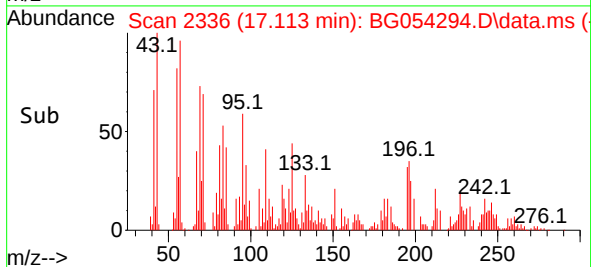
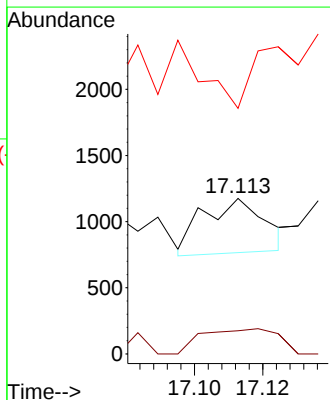
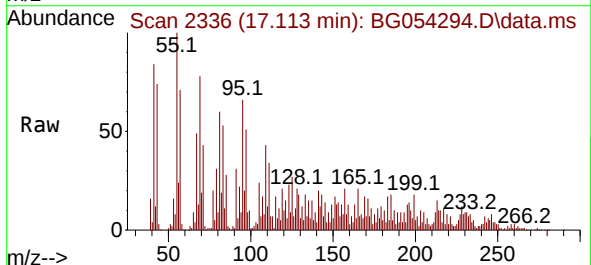
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

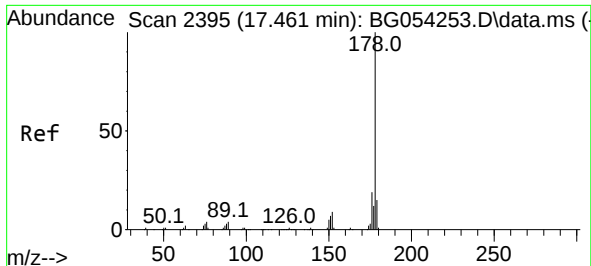
Tgt Ion:200 Resp: 3610
 Ion Ratio Lower Upper
 200 100
 173 163.0 3.7 43.7#
 215 177.5 25.2 65.2#



#70
 Pentachlorophenol
 Concen: 4.991 ng
 RT: 17.113 min Scan# 2336
 Delta R.T. 0.039 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

Tgt Ion:266 Resp: 523
 Ion Ratio Lower Upper
 266 100
 268 14.9 56.2 84.2#
 264 157.8 53.0 79.4#

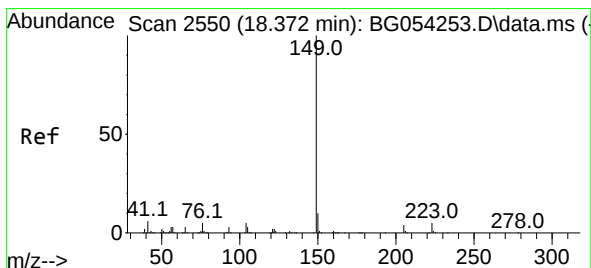
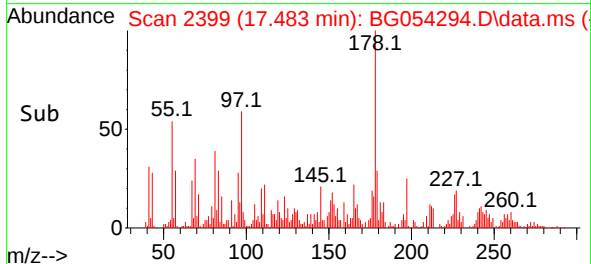
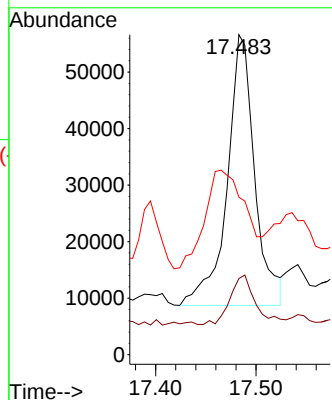
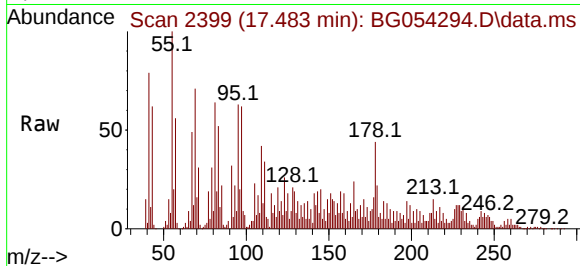




#71
 Phenanthrene
 Concen: 11.767 ng
 RT: 17.483 min Scan# 21
 Delta R.T. 0.021 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

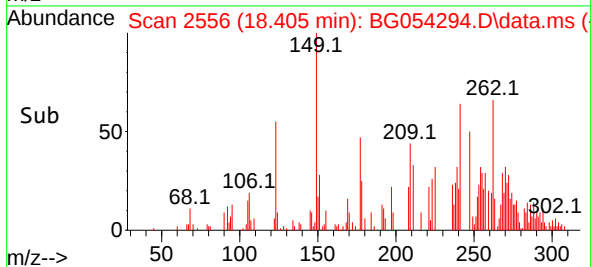
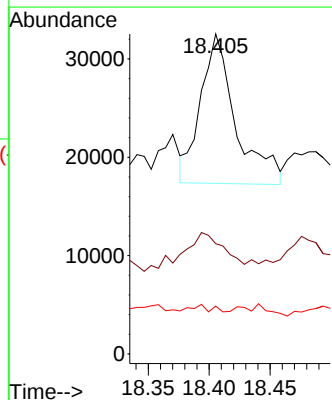
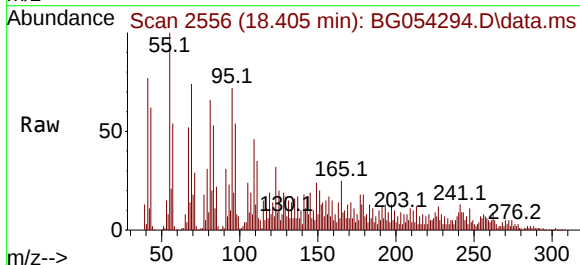
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

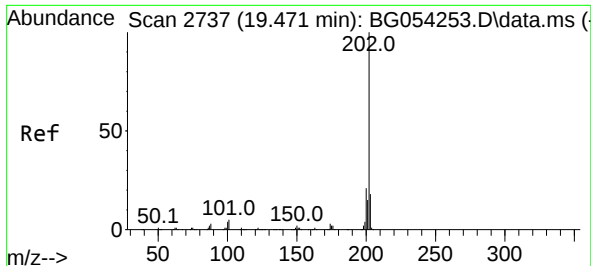
Tgt Ion:178 Resp: 91673
 Ion Ratio Lower Upper
 178 100
 176 23.8 14.1 21.1#
 179 49.2 12.1 18.1#



#74
 Di-n-butylphthalate
 Concen: 3.969 ng
 RT: 18.405 min Scan# 2556
 Delta R.T. 0.033 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

Tgt Ion:149 Resp: 30366
 Ion Ratio Lower Upper
 149 100
 150 34.4 7.7 11.5#
 104 15.0 5.4 8.0#

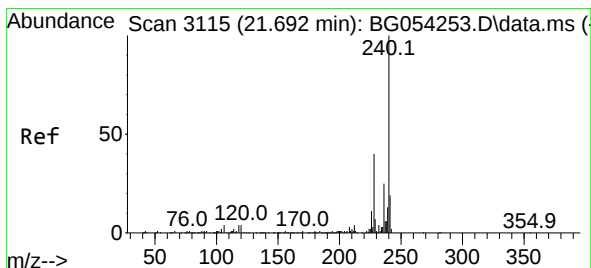
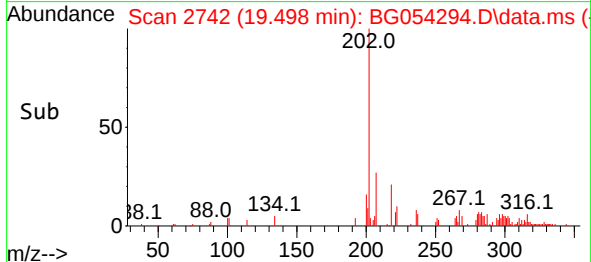
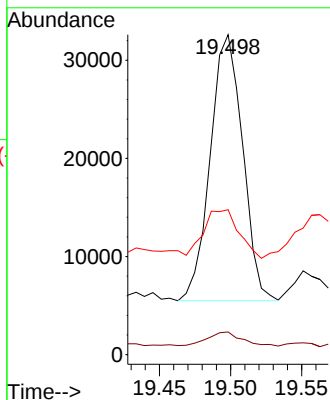
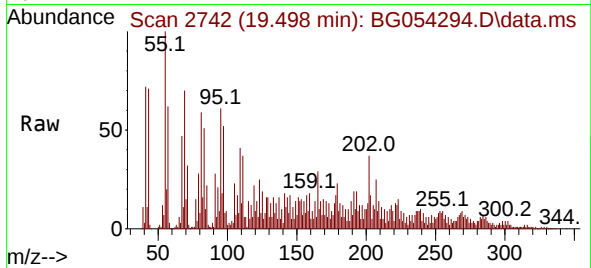




#75
Fluoranthene
Concen: 4.052 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.027 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

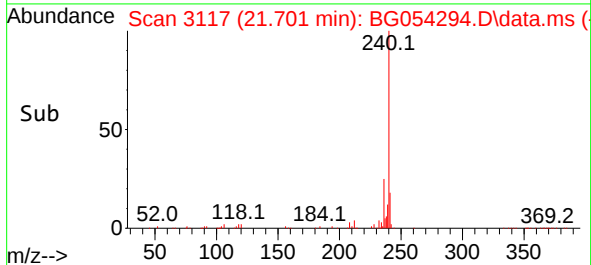
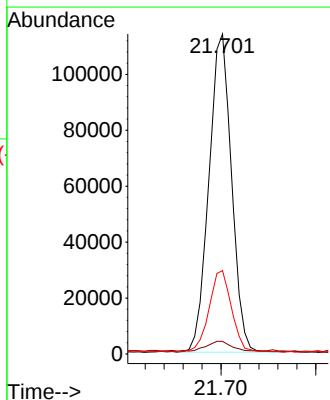
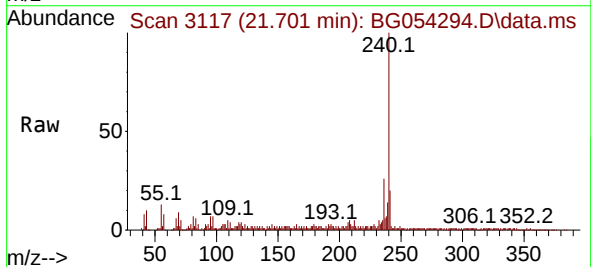
Instrument :
BNA_G
ClientSampleId :
VNJ-240

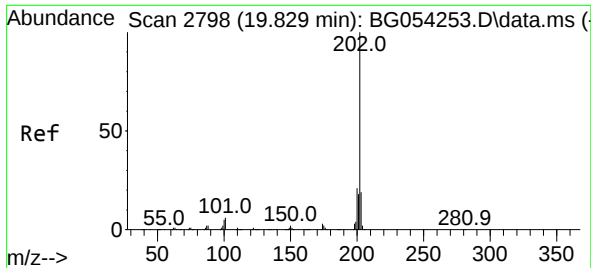
Tgt Ion:202 Resp: 42930
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.9
203 45.3 0.0 37.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.701 min Scan# 3117
Delta R.T. 0.009 min
Lab File: BG054294.D
Acq: 15 Jul 2022 00:40

Tgt Ion:240 Resp: 188370
Ion Ratio Lower Upper
240 100
120 3.9 4.6 7.0#
236 26.0 20.2 30.4

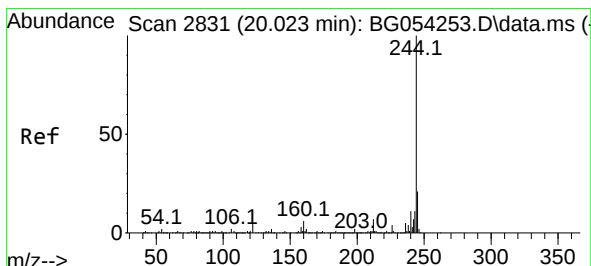
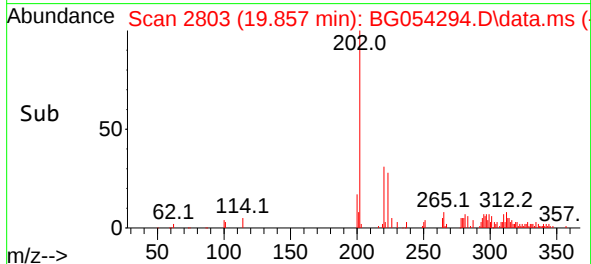
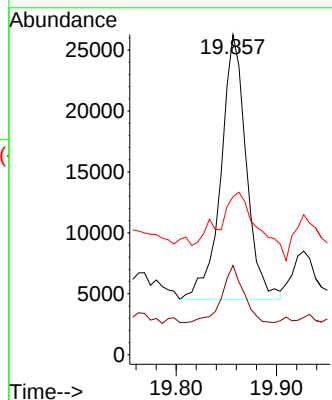
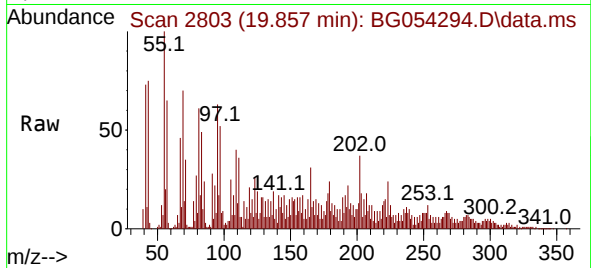




#78
 Pyrene
 Concen: 3.526 ng
 RT: 19.857 min Scan# 21
 Delta R.T. 0.027 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

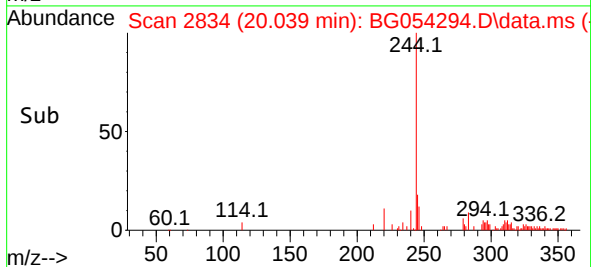
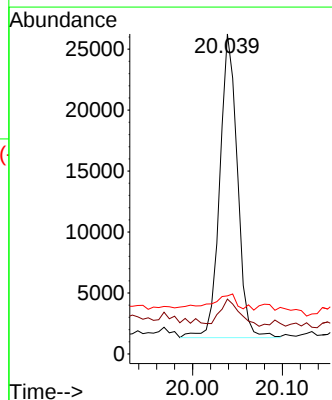
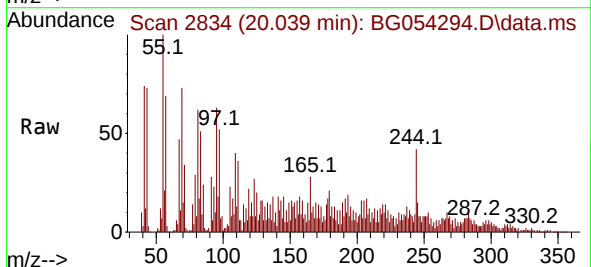
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

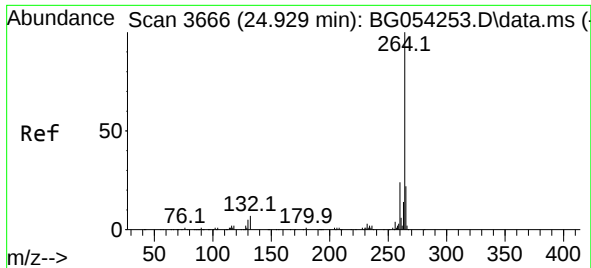
Tgt Ion:202 Resp: 38225
 Ion Ratio Lower Upper
 202 100
 200 27.9 16.6 24.8#
 203 49.4 14.6 21.8#



#79
 Terphenyl-d14
 Concen: 3.710 ng
 RT: 20.039 min Scan# 2834
 Delta R.T. 0.016 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

Tgt Ion:244 Resp: 33981
 Ion Ratio Lower Upper
 244 100
 212 17.2 6.5 9.7#
 122 18.1 5.0 7.4#

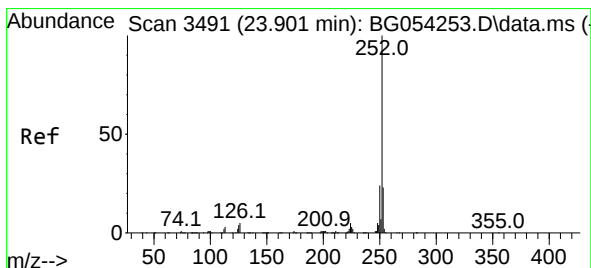
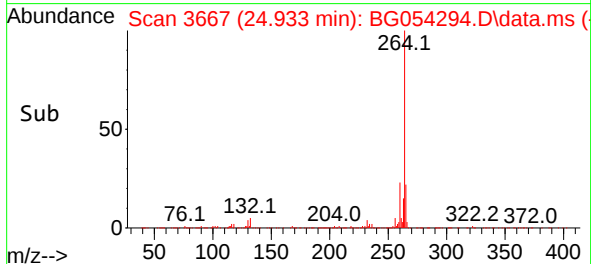
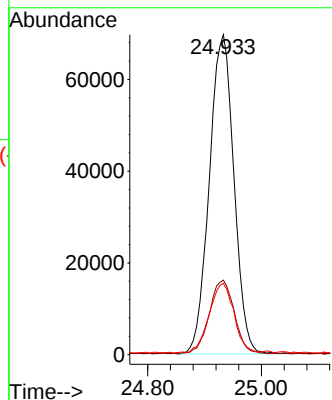
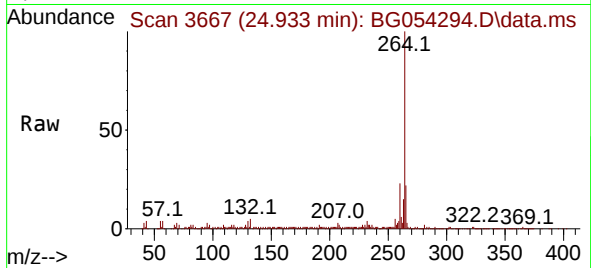




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.933 min Scan# 30
 Delta R.T. 0.004 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

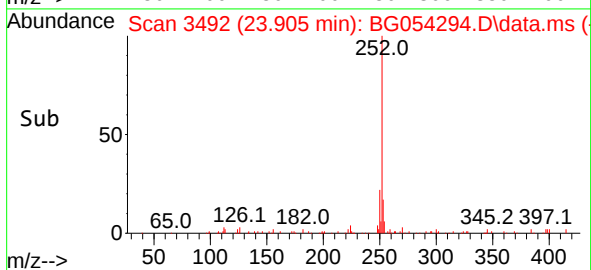
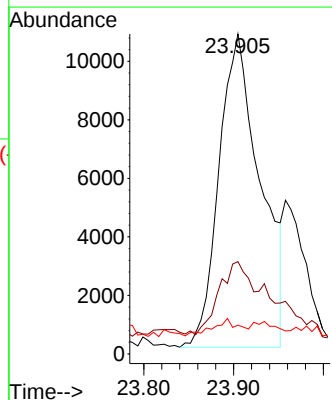
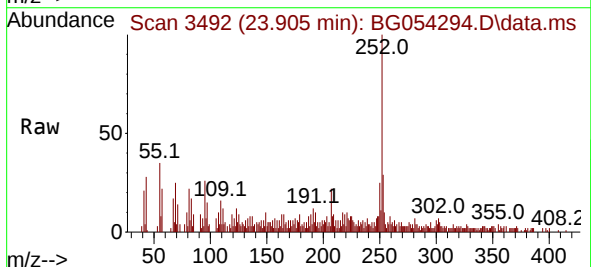
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

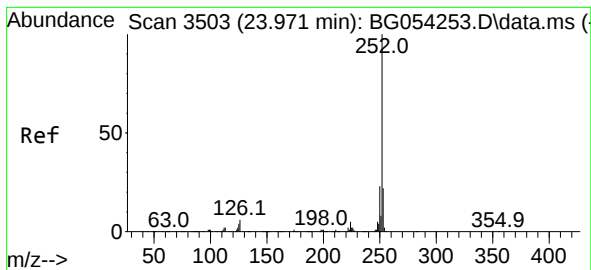
Tgt Ion:264 Resp: 208857
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.6
 265 22.2 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 2.758 ng
 RT: 23.905 min Scan# 3492
 Delta R.T. 0.004 min
 Lab File: BG054294.D
 Acq: 15 Jul 2022 00:40

Tgt Ion:252 Resp: 34162
 Ion Ratio Lower Upper
 252 100
 253 28.8 18.0 27.0#
 125 9.0 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 2.780 ng

RT: 23.905 min Scan# 34

Delta R.T. -0.067 min

Lab File: BG054294.D

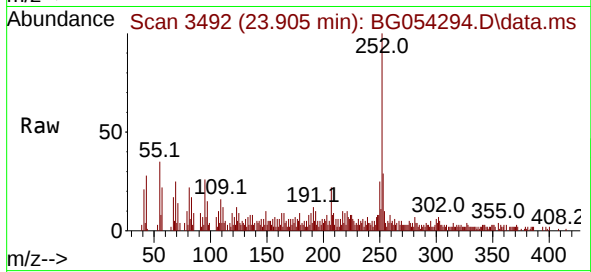
Acq: 15 Jul 2022 00:40

Instrument :

BNA_G

ClientSampleId :

VNJ-240



Tgt Ion:252 Resp: 34162

Ion Ratio Lower Upper

252 100

253 28.8 18.4 27.6#

125 9.0 4.8 7.2#

