

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082322\
 Data File : BG054707.D
 Acq On : 23 Aug 2022 14:45
 Operator : CG/JU
 Sample : N4257-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

Quant Time: Aug 23 15:17:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 03:09:46 2022
 Response via : Initial Calibration

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

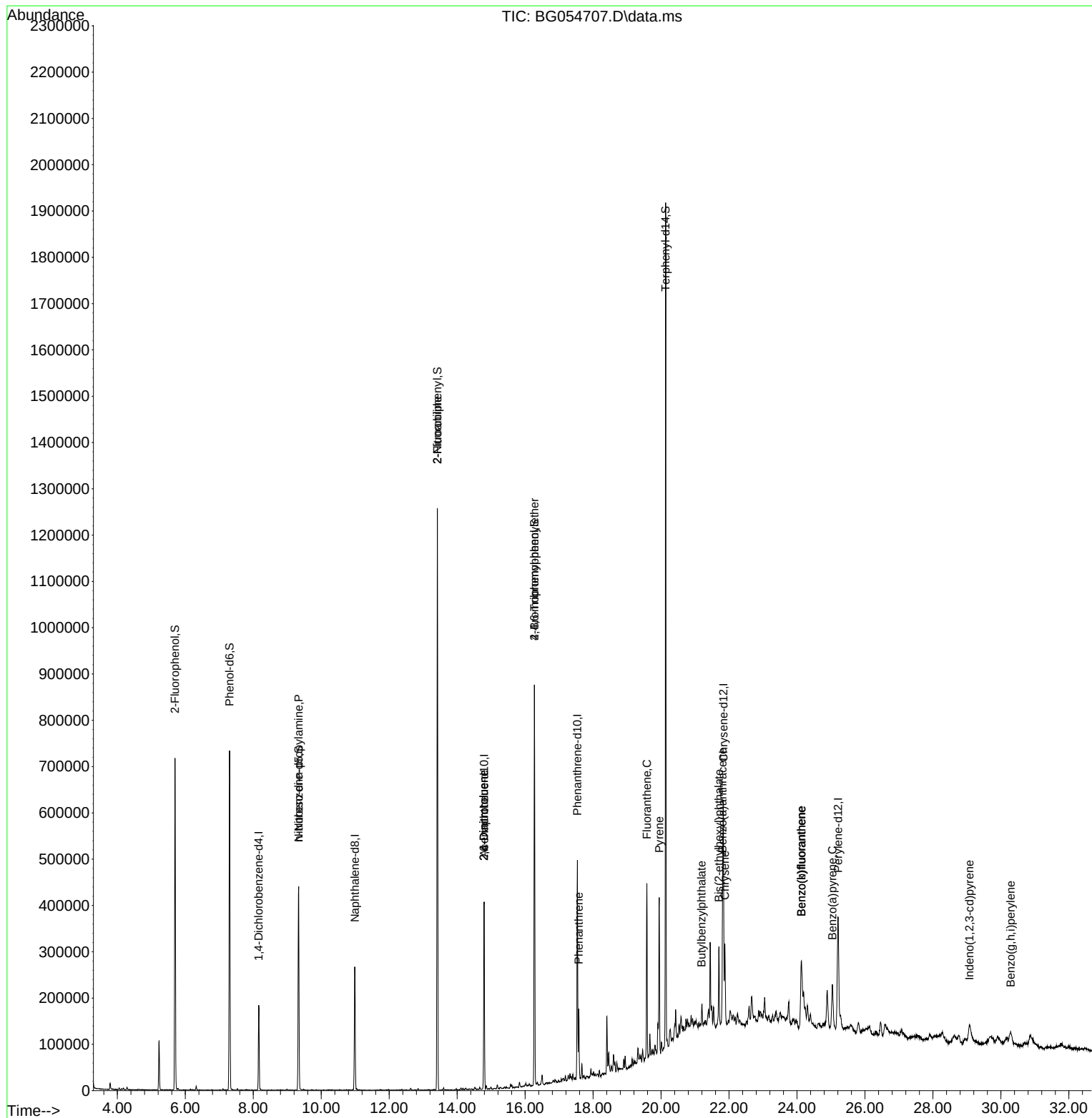
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	53248	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	230869	20.000	ng	0.00
39) Acenaphthene-d10	14.792	164	148084	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	292485	20.000	ng	0.00
76) Chrysene-d12	21.831	240	261774	20.000	ng	0.00
86) Perylene-d12	25.204	264	275276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	323580	114.513	ng	0.00
7) Phenol-d6	7.301	99	445287	112.464	ng	0.00
23) Nitrobenzene-d5	9.334	82	273132	67.421	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	168261	141.882	ng	0.00
45) 2-Fluorobiphenyl	13.417	172	650451	64.776	ng	0.00
79) Terphenyl-d14	20.133	244	877881	66.618	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.334	70	34238	12.291	ng	# 83
48) 2-Nitroaniline	13.417	65	1119	4.058	ng	# 2
51) 2,6-Dinitrotoluene	14.786	165	19574	10.793	ng	# 23
57) 2,4-Dinitrotoluene	14.786	165	19574	10.873	ng	# 20
67) 4-Bromophenyl-phenylether	16.273	248	11256	3.998	ng	# 1
71) Phenanthrene	17.577	178	95084	6.099	ng	97
75) Fluoranthene	19.581	202	226533	12.325	ng	99
78) Pyrene	19.945	202	216831	11.743	ng	98
80) Butylbenzylphthalate	21.191	149	1068	5.309	ng	98
81) Benzo(a)anthracene	21.808	228	131798	7.413	ng	100
83) Chrysene	21.878	228	135165	7.989	ng	97
84) Bis(2-ethylhexyl)phtha...	21.702	149	73250	11.448	ng	100
87) Indeno(1,2,3-cd)pyrene	29.070	276	73289	3.568	ng	97
88) Benzo(b)fluoranthene	24.128	252	189326	11.076	ng	98
89) Benzo(k)fluoranthene	24.128	252	189326	10.733	ng	98
90) Benzo(a)pyrene	25.039	252	111750	7.617	ng	98
92) Benzo(g,h,i)perylene	30.286	276	64478	3.908	ng	98

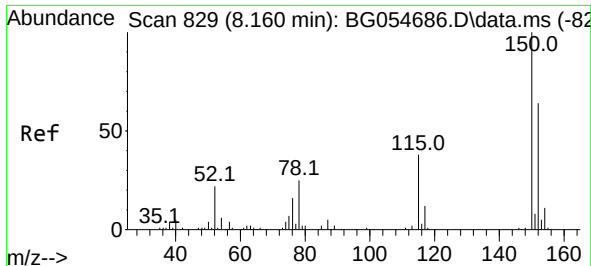
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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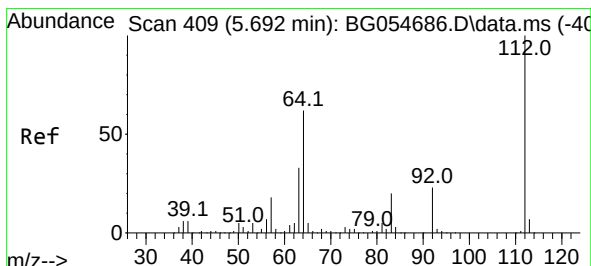
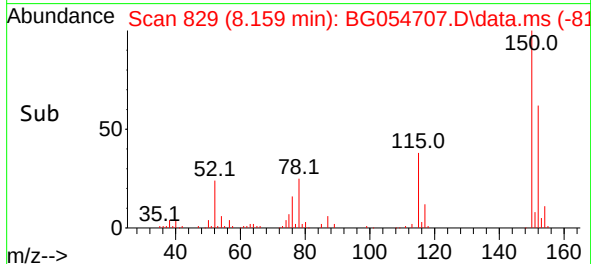
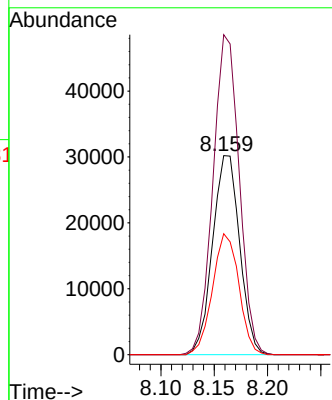
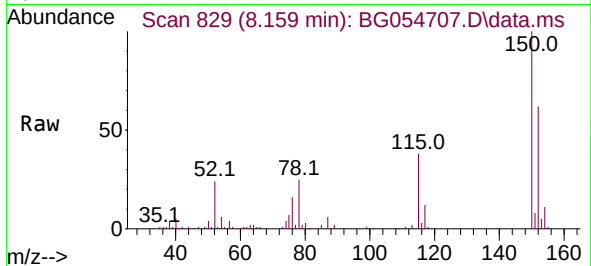




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.159 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

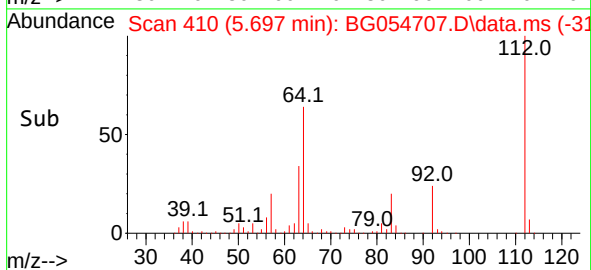
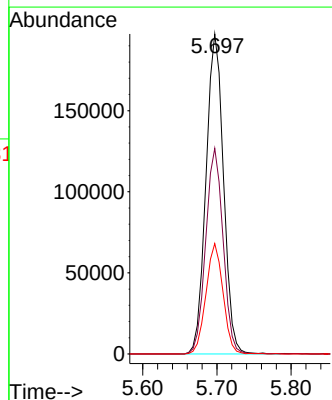
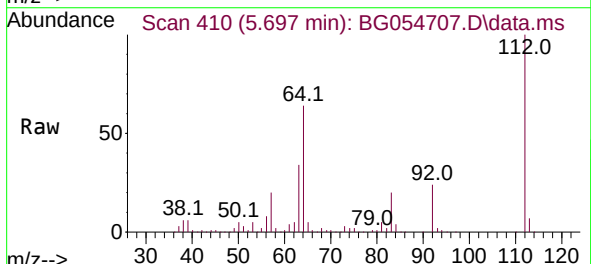
Instrument :
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 VNJ-210

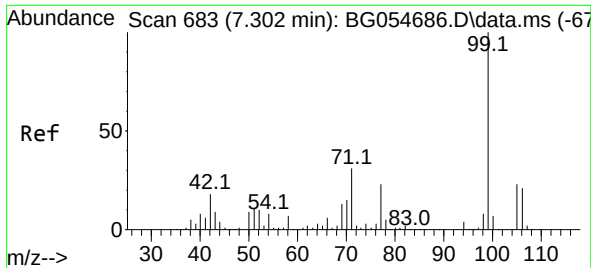
Tgt Ion:152 Resp: 53248
 Ion Ratio Lower Upper
 152 100
 150 160.8 125.2 187.8
 115 60.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 114.513 ng
 RT: 5.697 min Scan# 410
 Delta R.T. 0.005 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

Tgt Ion:112 Resp: 323580
 Ion Ratio Lower Upper
 112 100
 64 64.3 49.3 73.9
 63 34.5 26.3 39.5

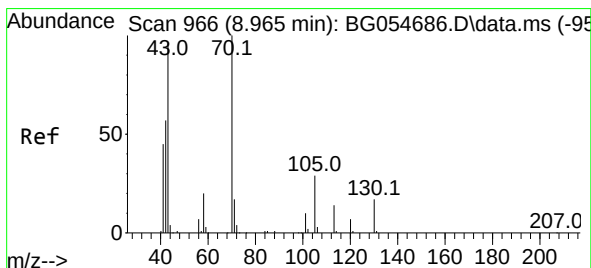
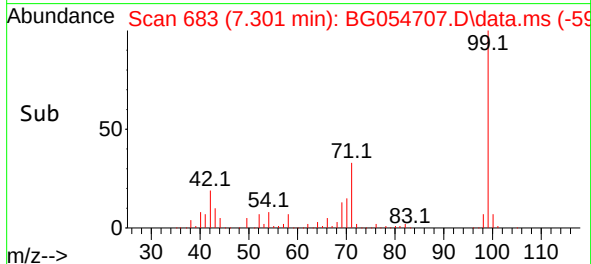
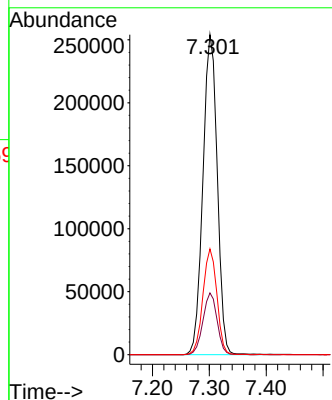
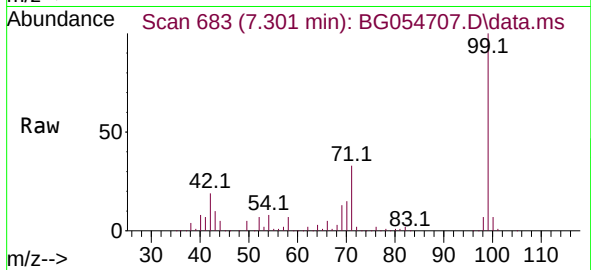




#7
Phenol-d6
Concen: 112.464 ng
RT: 7.301 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

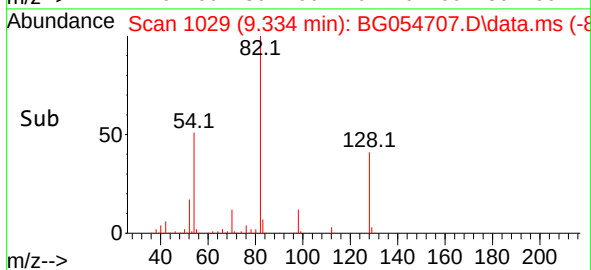
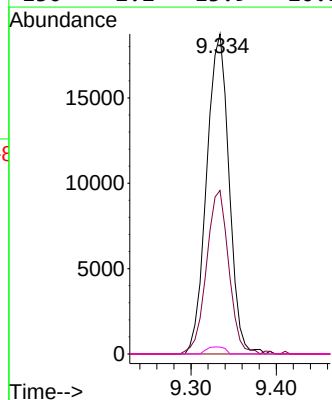
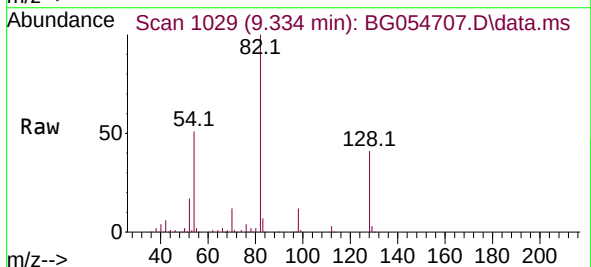
Instrument :
BNA_G
ClientSampleId :
VNJ-210

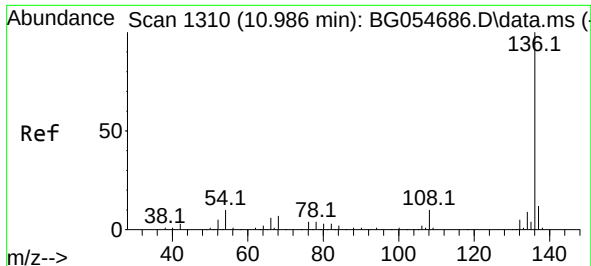
Tgt Ion: 99 Resp: 445287
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 33.0 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.291 ng
RT: 9.334 min Scan# 1029
Delta R.T. 0.369 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion: 70 Resp: 34238
Ion Ratio Lower Upper
70 100
42 51.1 46.6 69.8
101 0.0 7.7 11.5#
130 2.2 13.9 20.9#

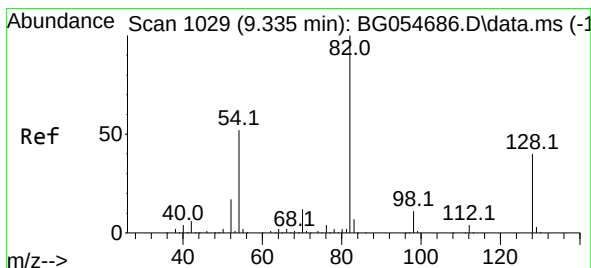
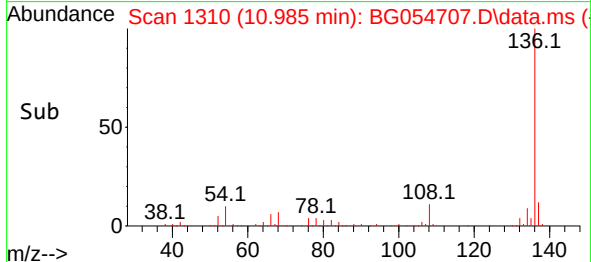
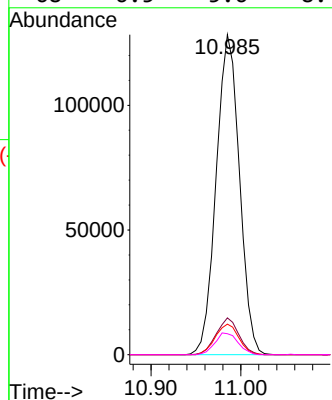
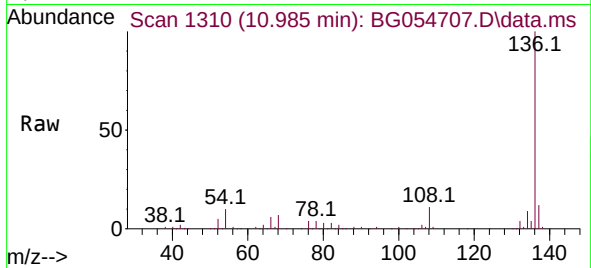




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

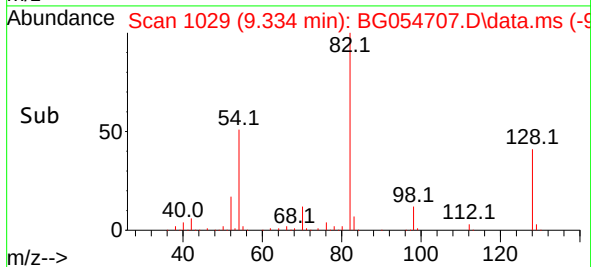
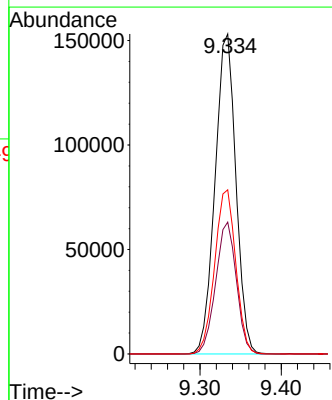
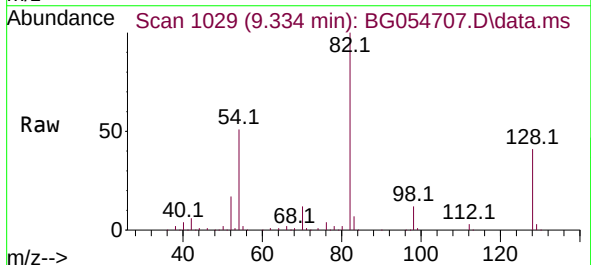
Instrument :
BNA_G
ClientSampleId :
VNJ-210

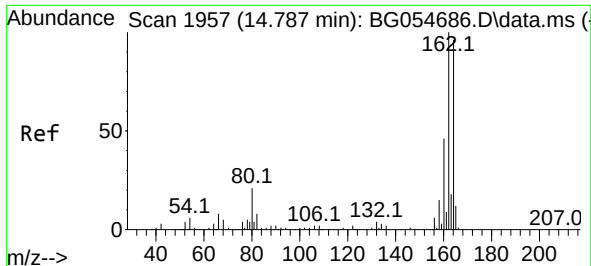
Tgt Ion:	136	Resp:	230869
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	9.5	7.7	11.5
68	6.5	5.6	8.4



#23
Nitrobenzene-d5
Concen: 67.421 ng
RT: 9.334 min Scan# 1029
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:	82	Resp:	273132
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.2	48.2
54	51.3	41.4	62.0

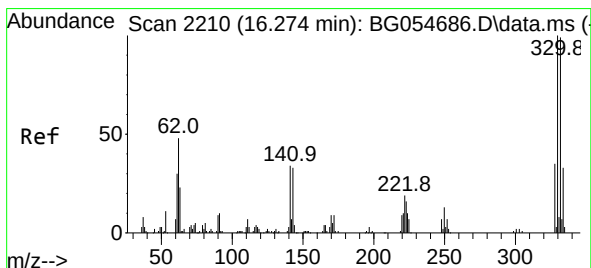
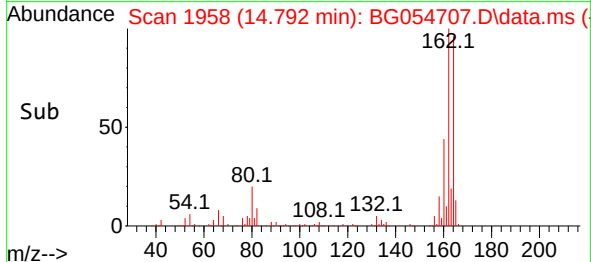
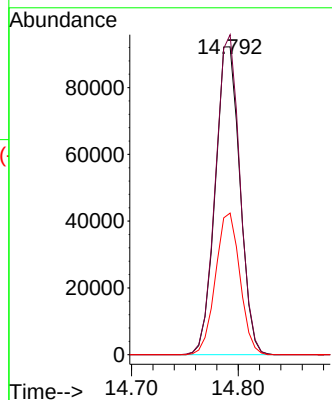
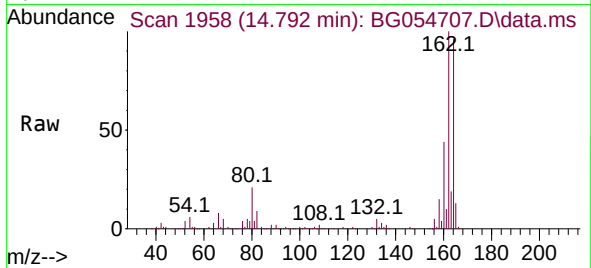




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.792 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

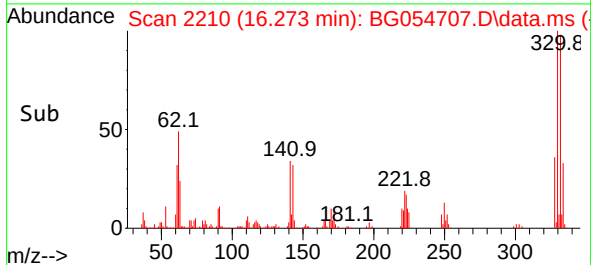
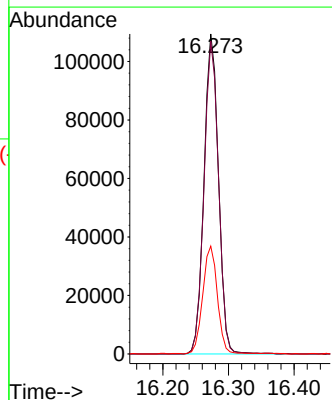
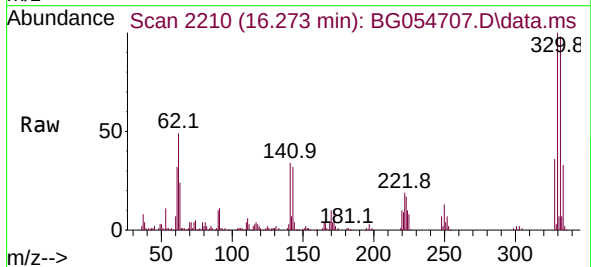
Instrument :
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ClientSampleId :
VNJ-210

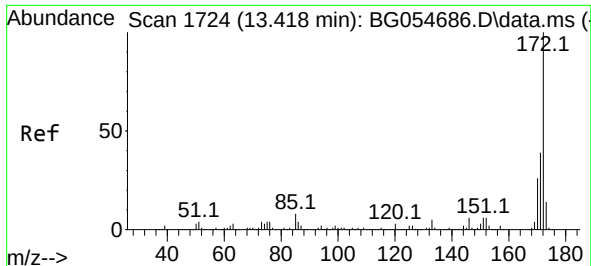
Tgt Ion:164 Resp: 148084
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.4
160 46.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 141.882 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:330 Resp: 168261
Ion Ratio Lower Upper
330 100
332 98.0 79.8 119.6
141 34.3 26.8 40.2

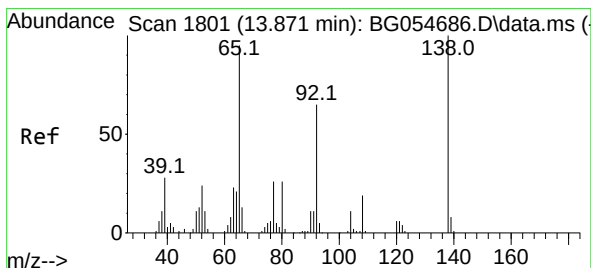
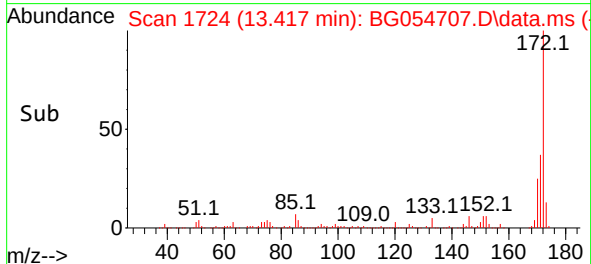
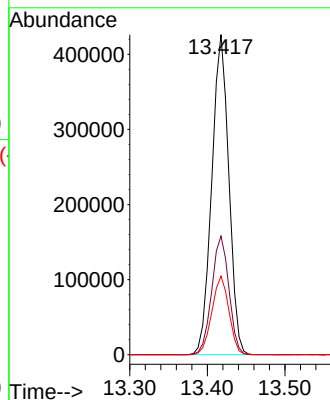
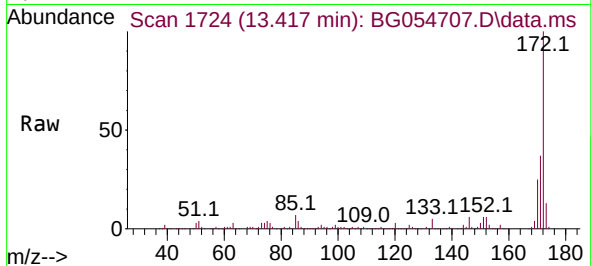




#45
2-Fluorobiphenyl
Concen: 64.776 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

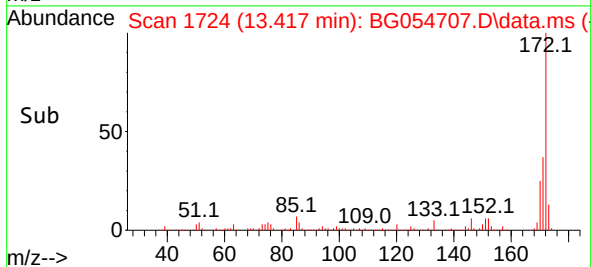
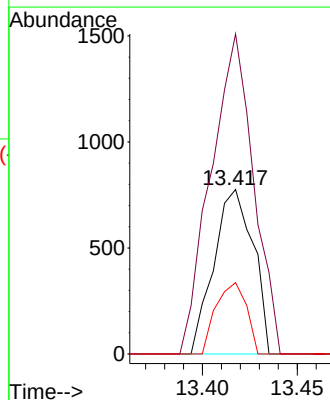
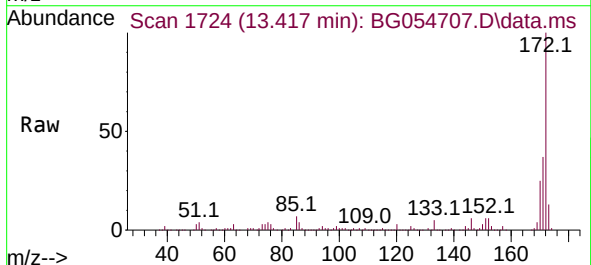
Instrument :
BNA_G
ClientSampleId :
VNJ-210

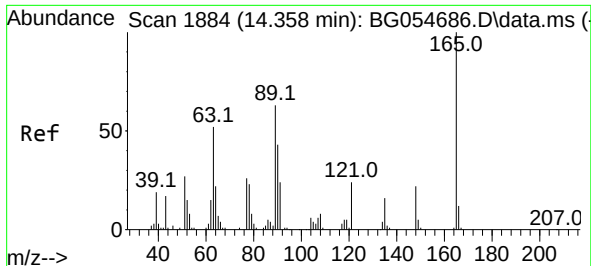
Tgt Ion:172 Resp: 650451
Ion Ratio Lower Upper
172 100
171 37.0 31.2 46.8
170 24.6 20.6 30.8



#48
2-Nitroaniline
Concen: 4.058 ng
RT: 13.417 min Scan# 1724
Delta R.T. -0.454 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion: 65 Resp: 1119
Ion Ratio Lower Upper
65 100
92 194.5 54.7 82.1#
138 43.4 84.1 126.1#

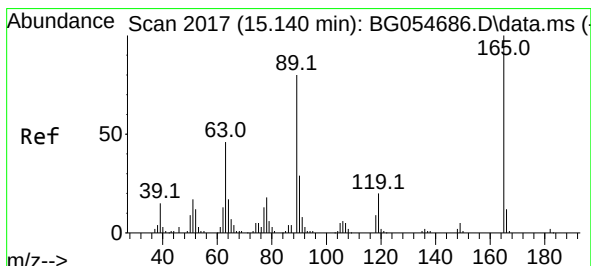
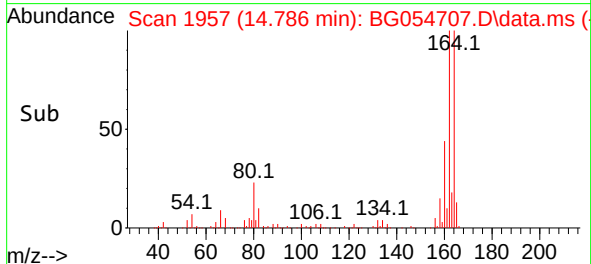
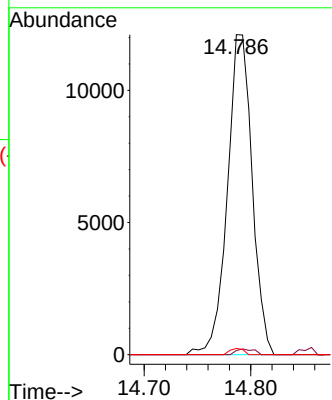
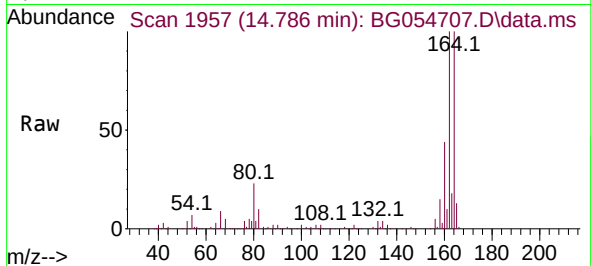




#51
2,6-Dinitrotoluene
Concen: 10.793 ng
RT: 14.786 min Scan# 1957
Delta R.T. 0.428 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

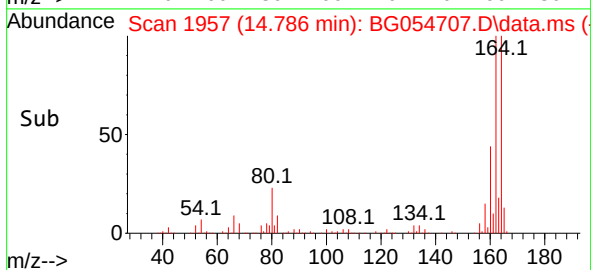
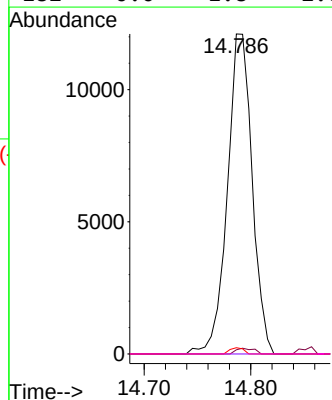
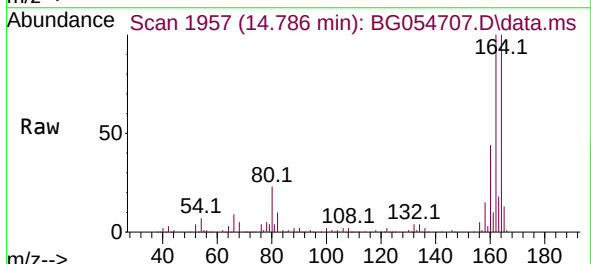
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VNJ-210

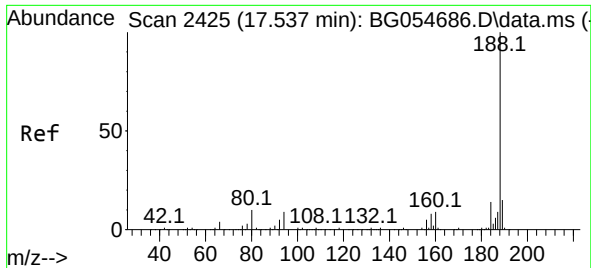
Tgt Ion:165 Resp: 19574
Ion Ratio Lower Upper
165 100
63 1.3 46.0 69.0#
89 2.0 50.3 75.5#



#57
2,4-Dinitrotoluene
Concen: 10.873 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.354 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:165 Resp: 19574
Ion Ratio Lower Upper
165 100
63 1.3 36.8 55.2#
89 2.0 64.3 96.5#
182 0.0 1.8 2.6#

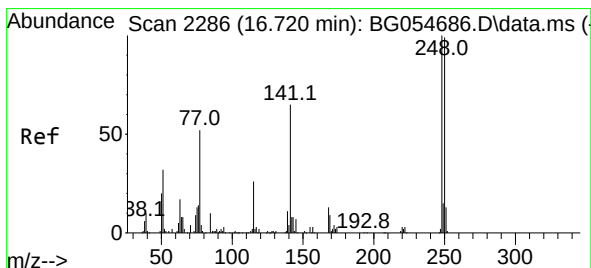
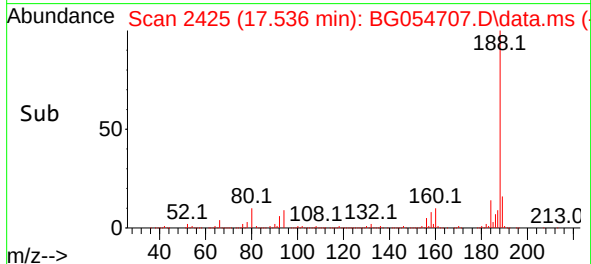
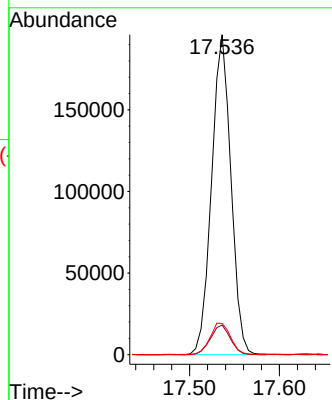
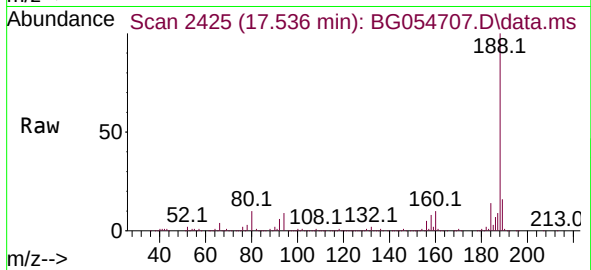




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

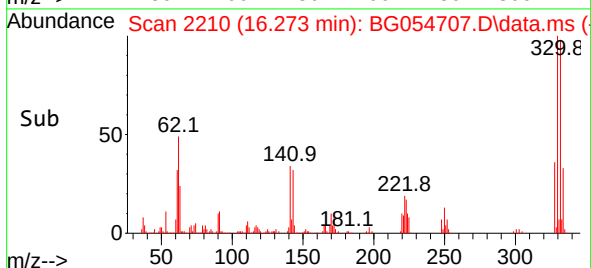
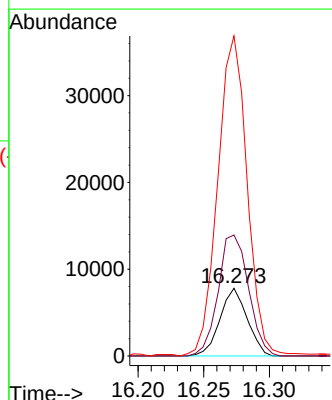
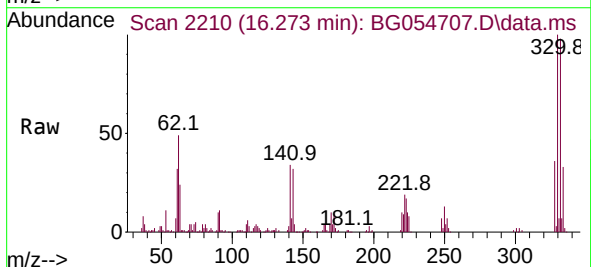
Instrument :
BNA_G
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VNJ-210

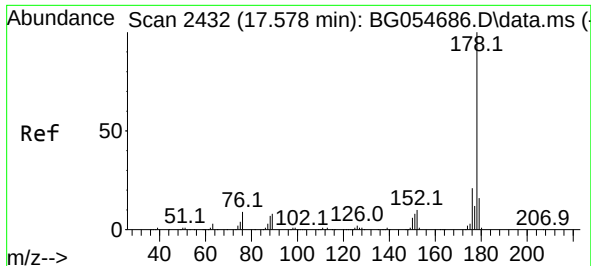
Tgt Ion:188 Resp: 292485
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 9.7 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.998 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.447 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:248 Resp: 11256
Ion Ratio Lower Upper
248 100
250 178.7 78.8 118.2#
141 472.8 51.9 77.9#

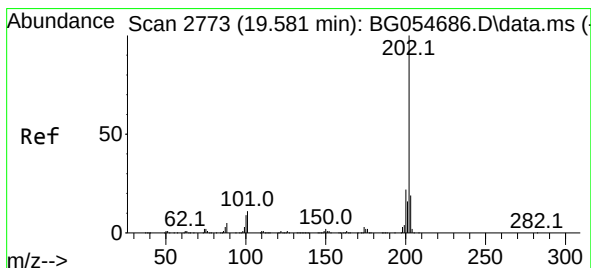
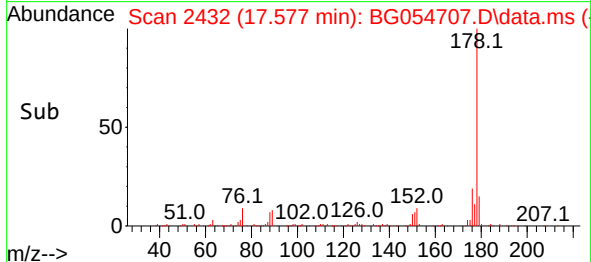
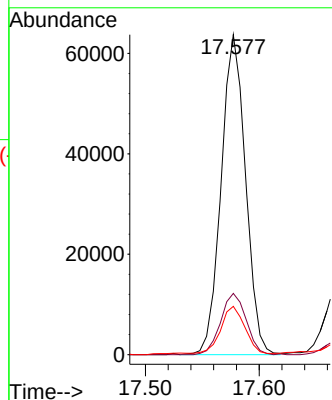
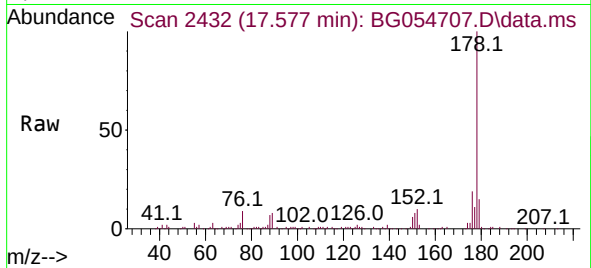




#71
Phenanthrene
Concen: 6.099 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

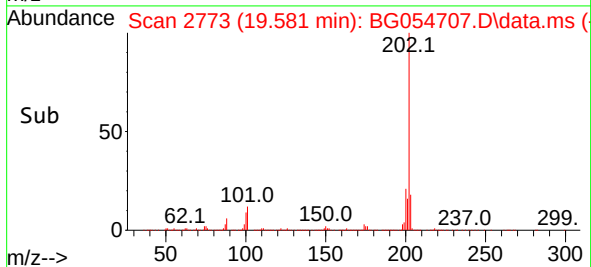
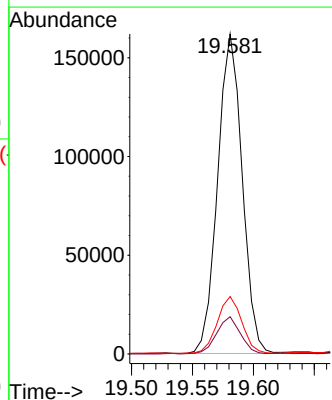
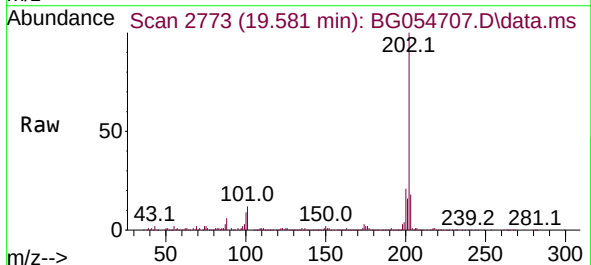
Instrument :
BNA_G
ClientSampleId :
VNJ-210

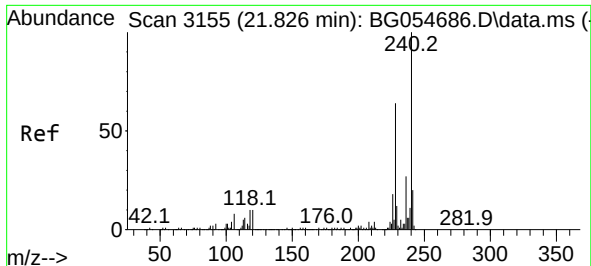
Tgt Ion:178 Resp: 95084
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 15.1 12.8 19.2



#75
Fluoranthene
Concen: 12.325 ng
RT: 19.581 min Scan# 2773
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:202 Resp: 226533
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.9 0.0 38.6

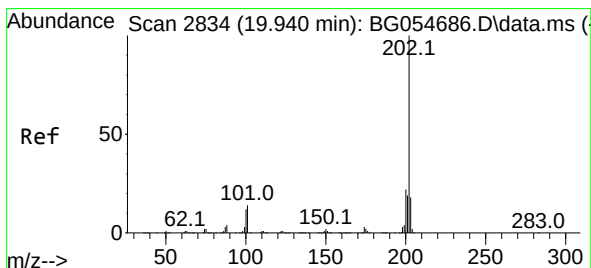
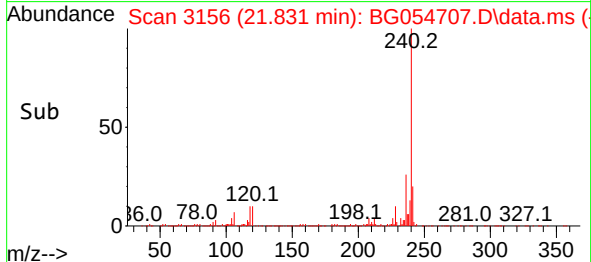
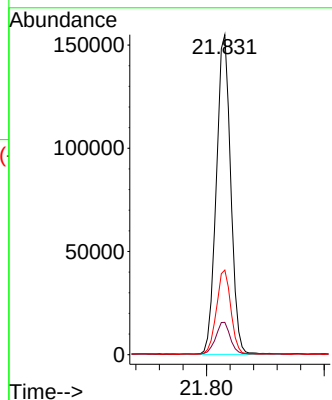
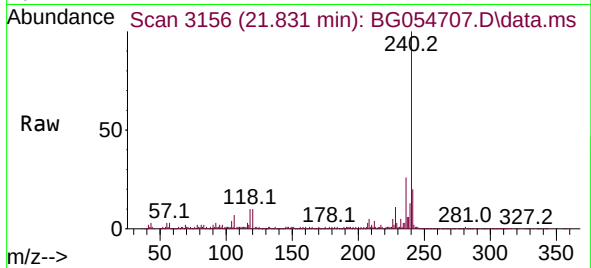




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3155
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

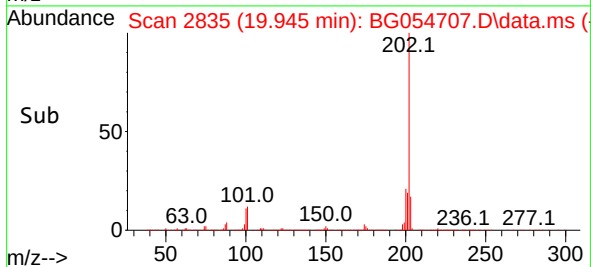
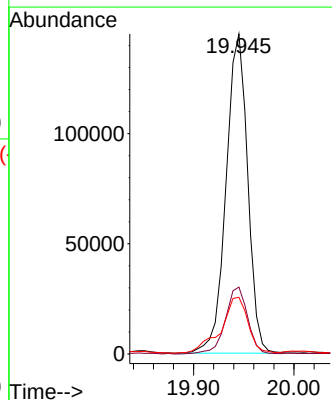
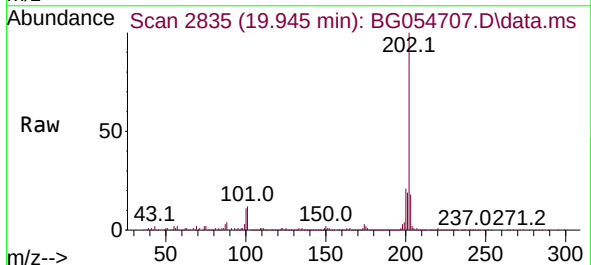
Instrument :
BNA_G
ClientSampleId :
VNJ-210

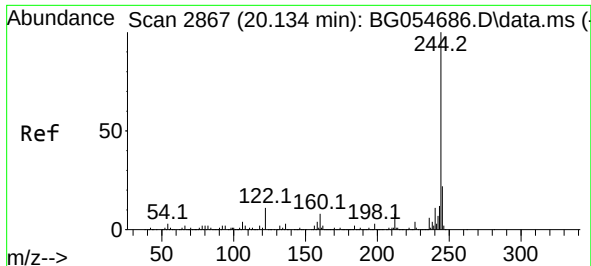
Tgt Ion:240 Resp: 261774
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.4
236 26.4 21.2 31.8



#78
Pyrene
Concen: 11.743 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.005 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:202 Resp: 216831
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.7 14.6 21.8

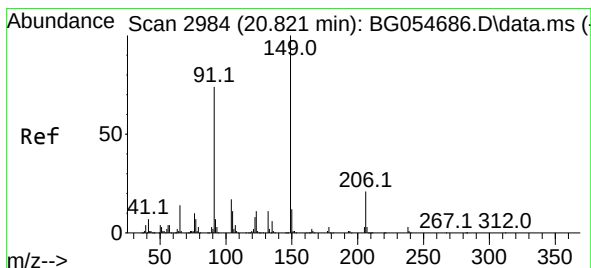
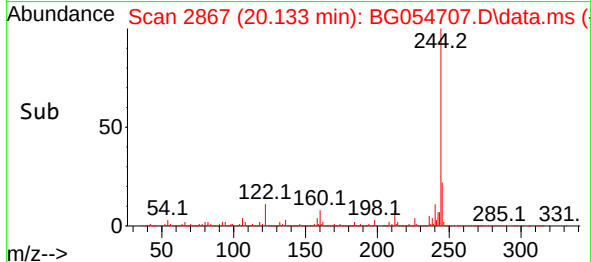
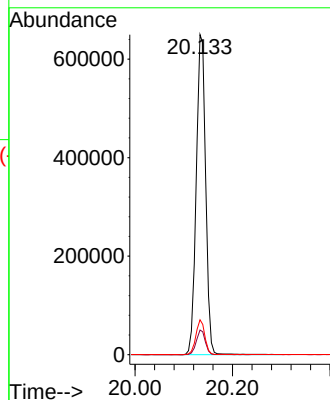
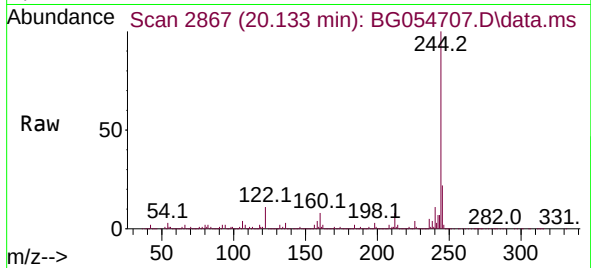




#79
 Terphenyl-d14
 Concen: 66.618 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

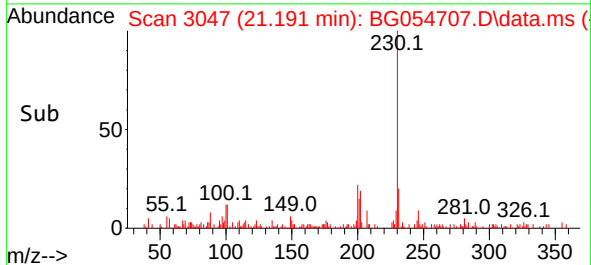
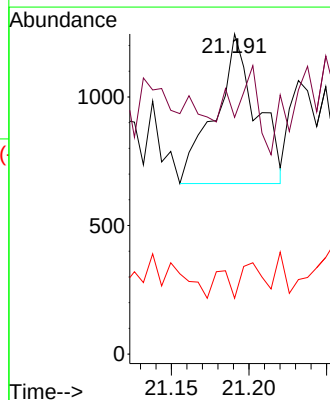
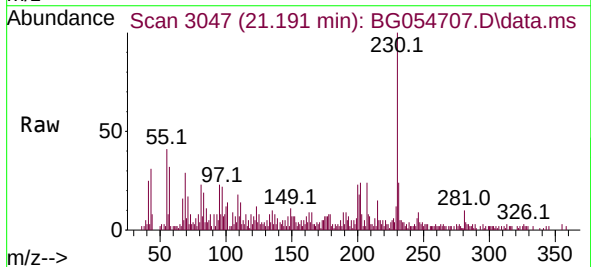
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

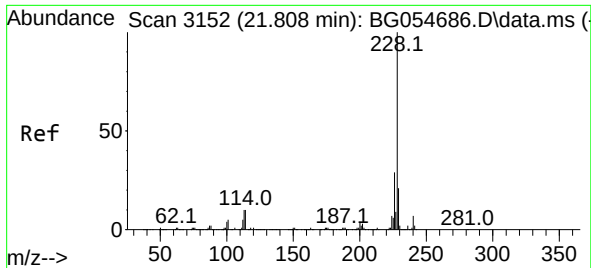
Tgt Ion:244 Resp: 877881
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 10.9 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 5.309 ng
 RT: 21.191 min Scan# 3047
 Delta R.T. 0.370 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

Tgt Ion:149 Resp: 1068
 Ion Ratio Lower Upper
 149 100
 91 74.0 59.5 89.3
 206 17.4 16.6 25.0

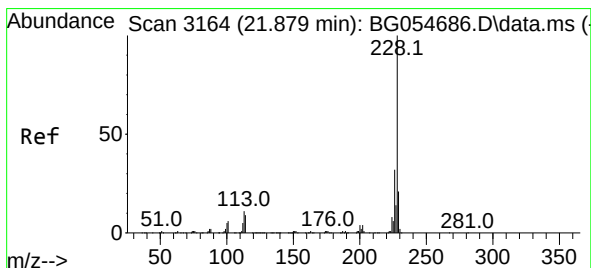
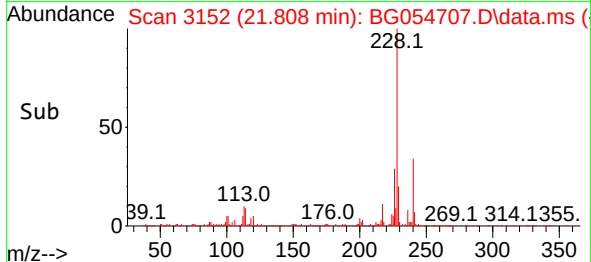
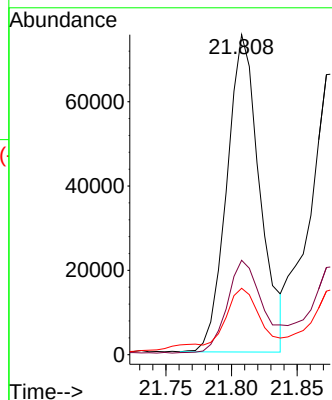
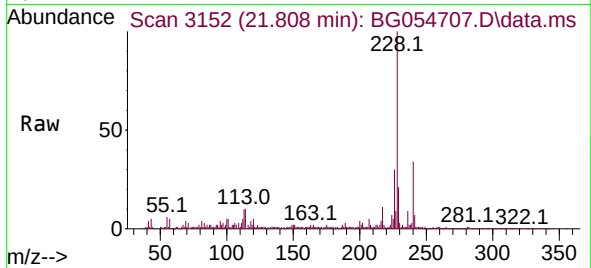




#81
Benzo(a)anthracene
Concen: 7.413 ng
RT: 21.808 min Scan# 3152
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

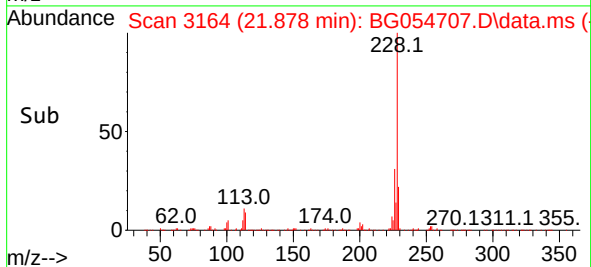
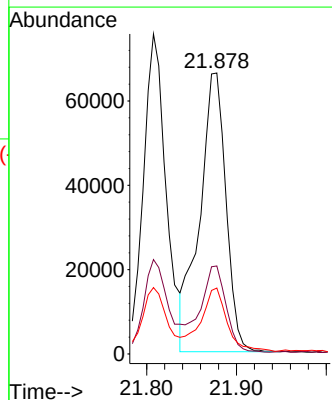
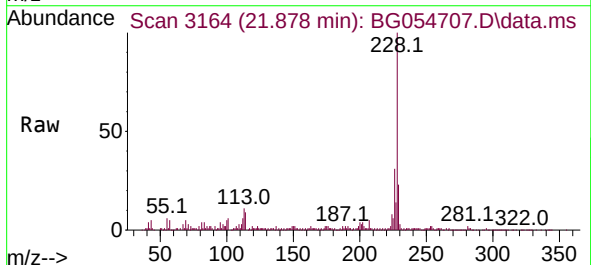
Instrument :
BNA_G
ClientSampleId :
VNJ-210

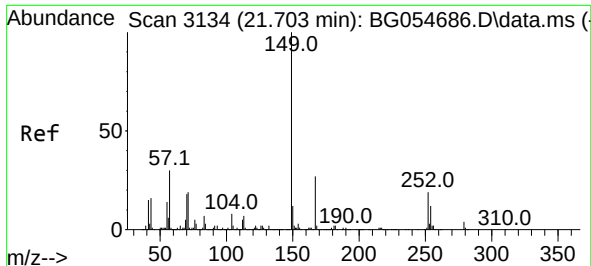
Tgt Ion:228 Resp: 131798
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 20.8 16.5 24.7



#83
Chrysene
Concen: 7.989 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.001 min
Lab File: BG054707.D
Acq: 23 Aug 2022 14:45

Tgt Ion:228 Resp: 135165
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 23.4 16.8 25.2

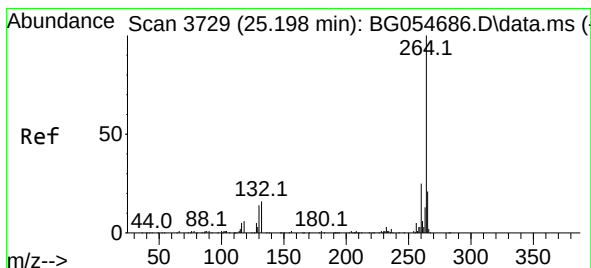
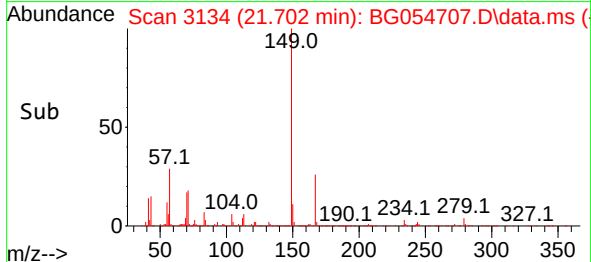
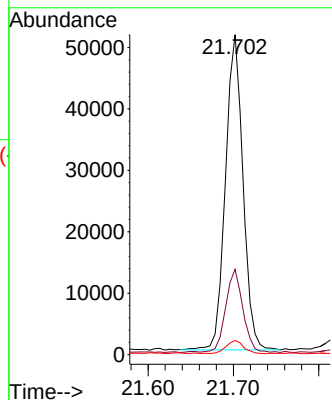
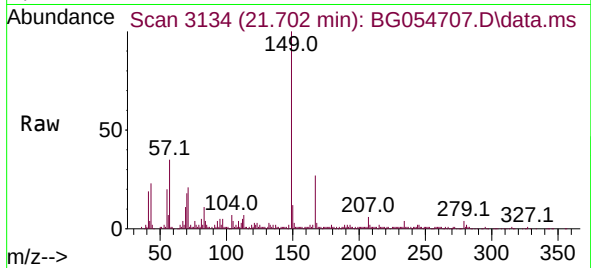




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.448 ng
 RT: 21.702 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

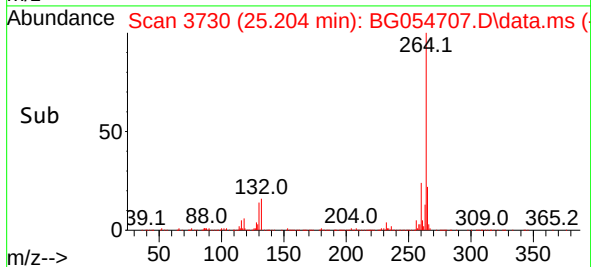
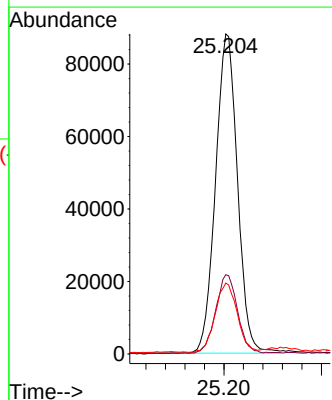
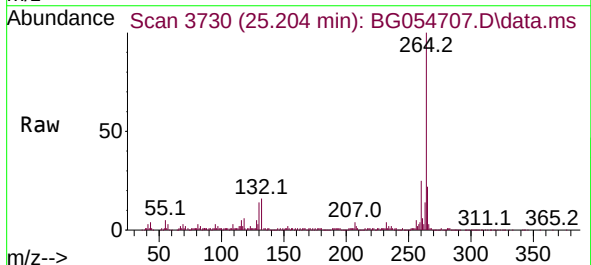
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

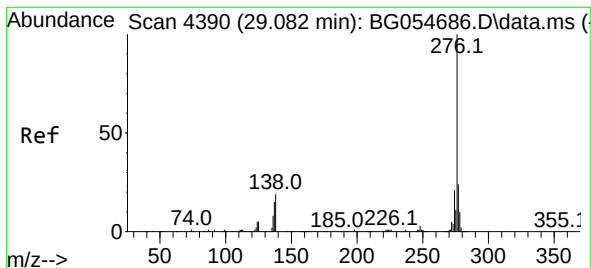
Tgt Ion:149 Resp: 73250
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.4 32.0
 279 4.4 3.1 4.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.204 min Scan# 3730
 Delta R.T. 0.005 min
 Lab File: BG054707.D
 Acq: 23 Aug 2022 14:45

Tgt Ion:264 Resp: 275276
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.9 29.9
 265 22.2 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.568 ng

RT: 29.070 min Scan# 41

Delta R.T. -0.012 min

Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

VNJ-210

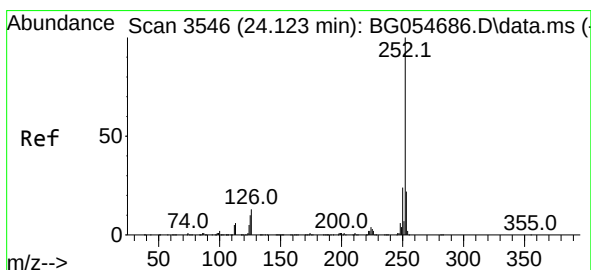
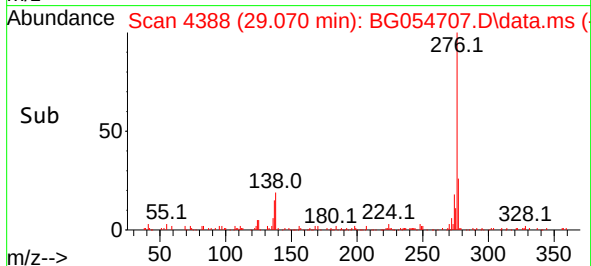
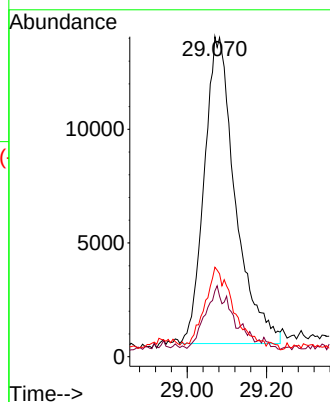
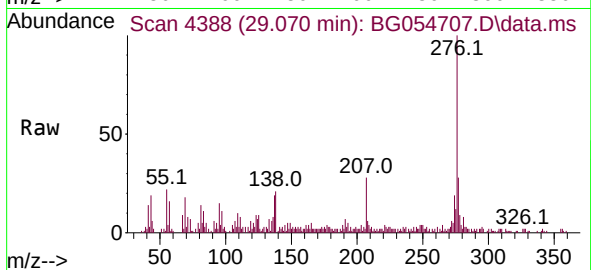
Tgt Ion:276 Resp: 73289

Ion Ratio Lower Upper

276 100

138 15.5 12.0 18.0

277 22.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 11.076 ng

RT: 24.128 min Scan# 3547

Delta R.T. 0.005 min

Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

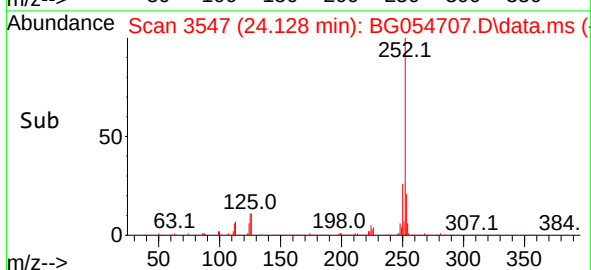
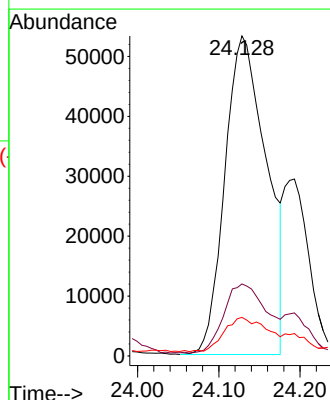
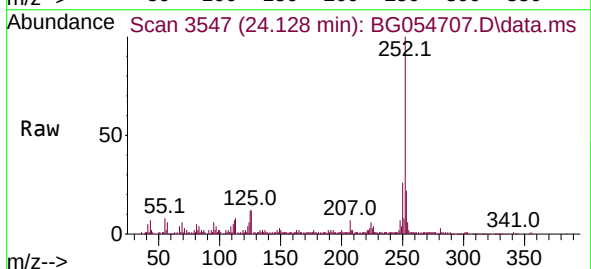
Tgt Ion:252 Resp: 189326

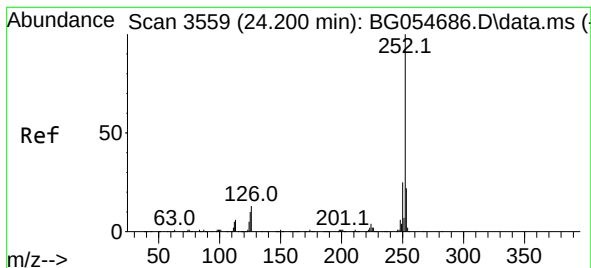
Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 12.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 10.733 ng

RT: 24.128 min Scan# 3559

Delta R.T. -0.071 min

Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

VNJ-210

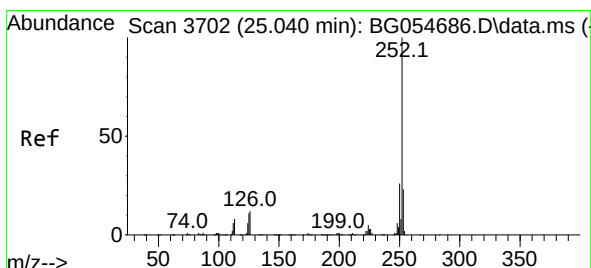
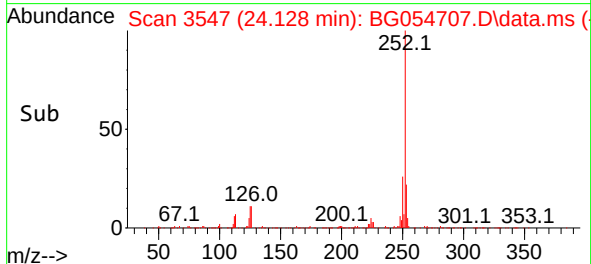
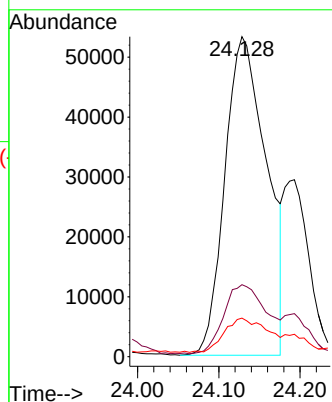
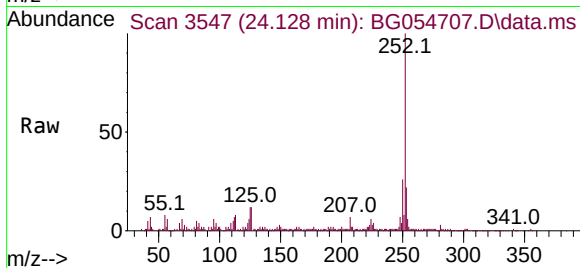
Tgt Ion:252 Resp: 189326

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 12.1 8.2 12.4



#90

Benzo(a)pyrene

Concen: 7.617 ng

RT: 25.039 min Scan# 3702

Delta R.T. -0.001 min

Lab File: BG054707.D

Acq: 23 Aug 2022 14:45

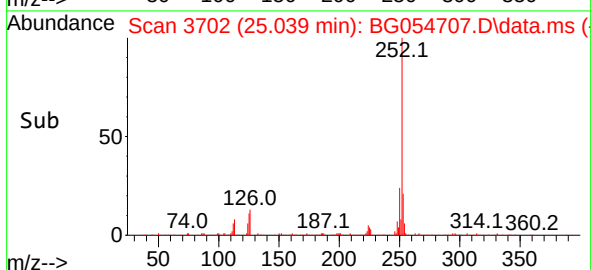
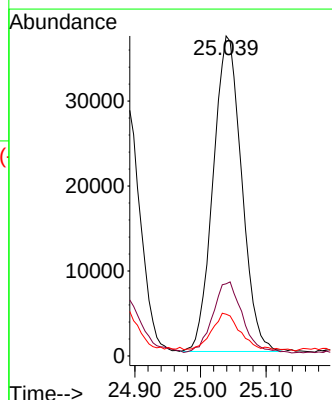
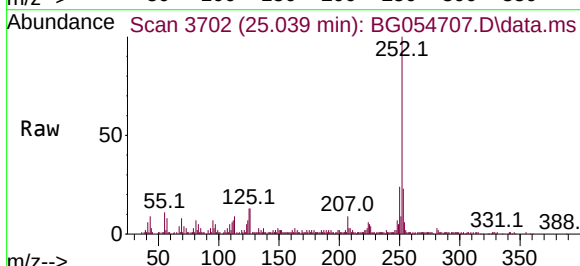
Tgt Ion:252 Resp: 111750

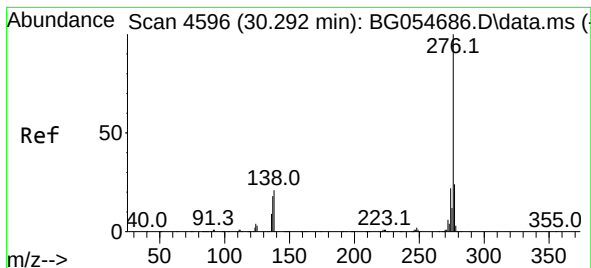
Ion Ratio Lower Upper

252 100

253 22.6 18.3 27.5

125 13.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.908 ng

RT: 30.286 min Scan# 4

Delta R.T. -0.007 min

Lab File: BG054707.D

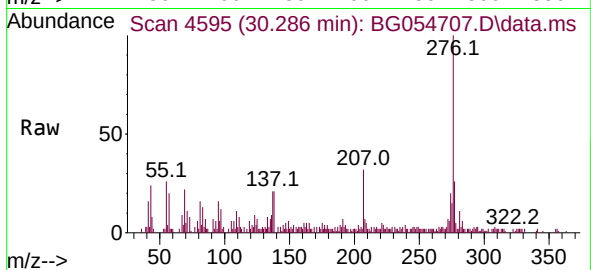
Acq: 23 Aug 2022 14:45

Instrument :

BNA_G

ClientSampleId :

VNJ-210



Tgt Ion:276 Resp: 64478

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 20.7 16.6 25.0

