

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090722\
 Data File : BG054871.D
 Acq On : 7 Sep 2022 16:27
 Operator : CG/JU
 Sample : N4512-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-214

Quant Time: Sep 08 04:44:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

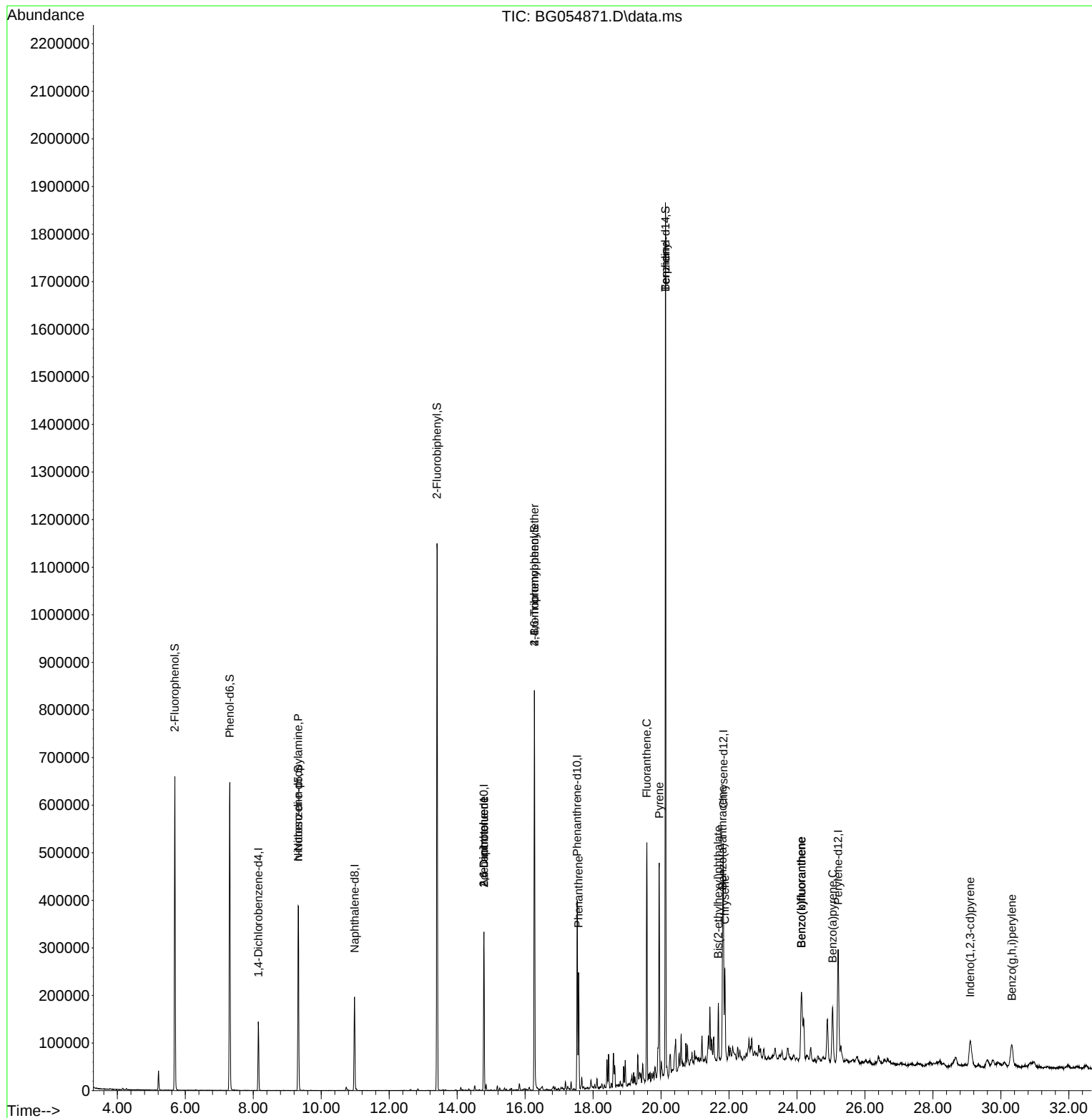
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	44777	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	183924	20.000	ng	0.00
39) Acenaphthene-d10	14.787	164	123772	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	269460	20.000	ng	0.00
76) Chrysene-d12	21.831	240	246615	20.000	ng	0.00
86) Perylene-d12	25.210	264	262204	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.692	112	309224	120.256	ng	0.00
7) Phenol-d6	7.307	99	424828	120.807	ng	0.01
23) Nitrobenzene-d5	9.323	82	257319	73.445	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	189456	122.497	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	647458	78.624	ng	0.00
79) Terphenyl-d14	20.133	244	962976	77.369	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.323	70	32330	13.369	ng	# 77
51) 2,6-Dinitrotoluene	14.787	165	16742	8.584	ng	# 20
57) 2,4-Dinitrotoluene	14.787	165	16742	6.206	ng	# 18
67) 4-Bromophenyl-phenylether	16.273	248	11984	4.051	ng	# 1
71) Phenanthrene	17.572	178	163903	11.418	ng	98
75) Fluoranthene	19.581	202	324263	18.570	ng	97
77) Benzidine	20.133	184	13852	2.268	ng	# 91
78) Pyrene	19.945	202	299256	17.402	ng	99
81) Benzo(a)anthracene	21.808	228	132737	7.938	ng	99
83) Chrysene	21.878	228	147963	9.255	ng	99
84) Bis(2-ethylhexyl)phtha...	21.685	149	45799	4.432	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.094	276	100433	5.045	ng	# 94
88) Benzo(b)fluoranthene	24.129	252	198122	12.045	ng	98
89) Benzo(k)fluoranthene	24.129	252	198122	11.969	ng	98
90) Benzo(a)pyrene	25.045	252	133222	9.480	ng	100
92) Benzo(g,h,i)perylene	30.322	276	100686	6.146	ng	97

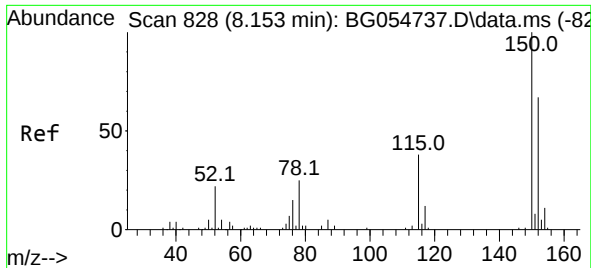
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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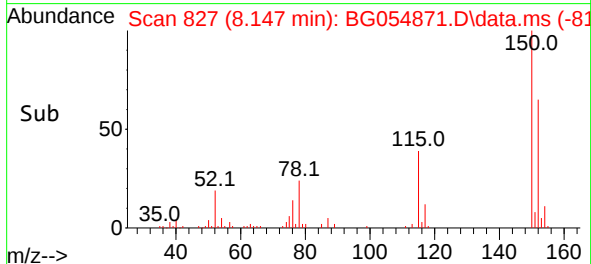
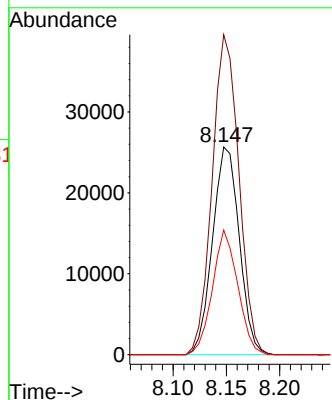
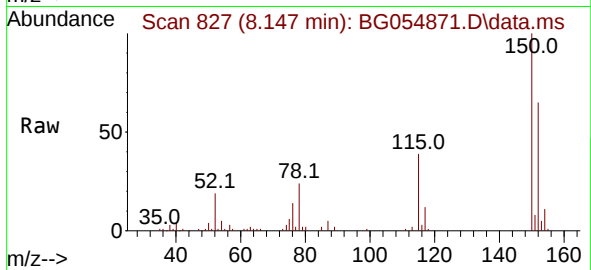




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

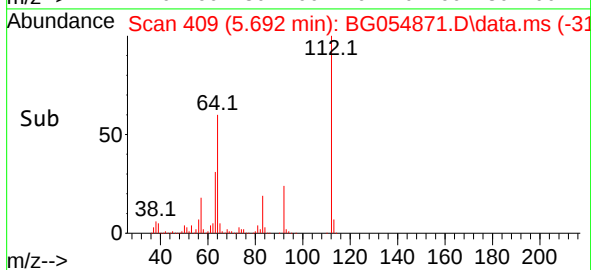
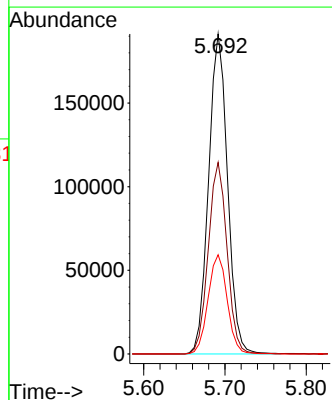
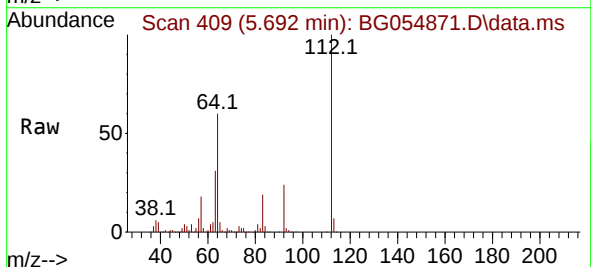
Instrument :
BNA_G
ClientSampleId :
VNJ-214

Tgt Ion:152 Resp: 44777
Ion Ratio Lower Upper
152 100
150 154.1 125.2 187.8
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 120.256 ng
RT: 5.692 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:112 Resp: 309224
Ion Ratio Lower Upper
112 100
64 59.8 49.3 73.9
63 31.0 26.3 39.5

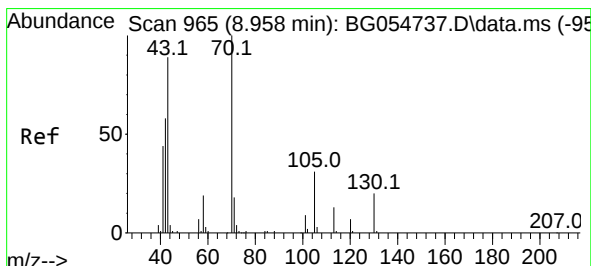
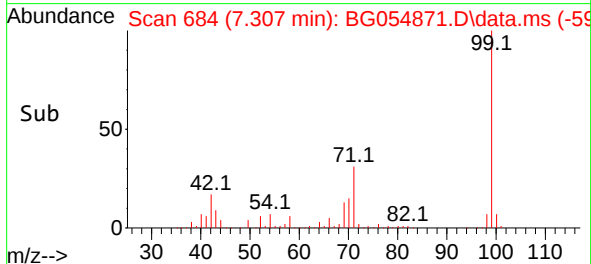
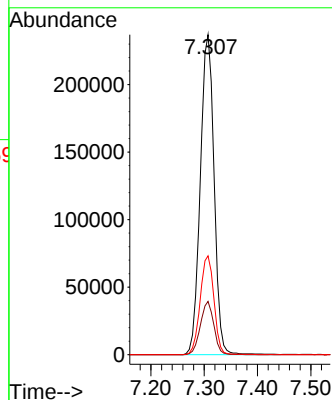
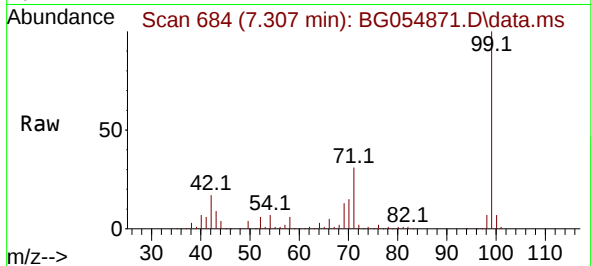




#7
Phenol-d6
Concen: 120.807 ng
RT: 7.307 min Scan# 61
Delta R.T. 0.012 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

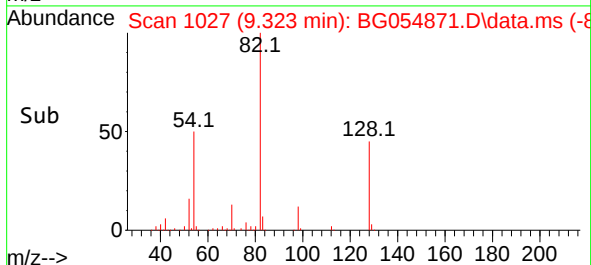
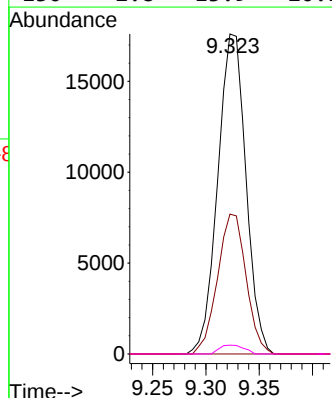
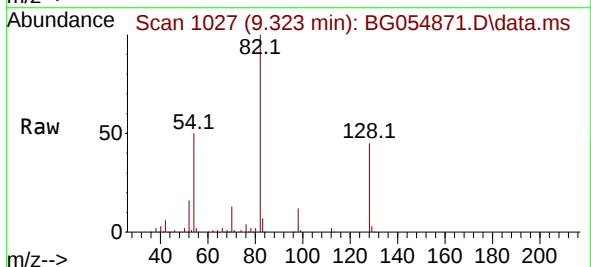
Instrument :
BNA_G
ClientSampleId :
VNJ-214

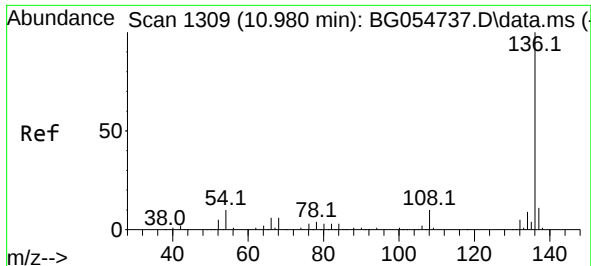
Tgt Ion: 99 Resp: 424828
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 30.9 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.369 ng
RT: 9.323 min Scan# 1027
Delta R.T. 0.364 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion: 70 Resp: 32330
Ion Ratio Lower Upper
70 100
42 43.7 46.6 69.8#
101 0.0 7.7 11.5#
130 2.8 13.9 20.9#

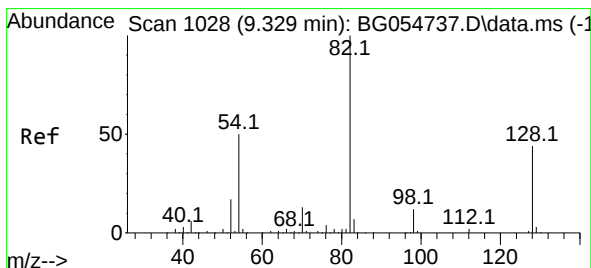
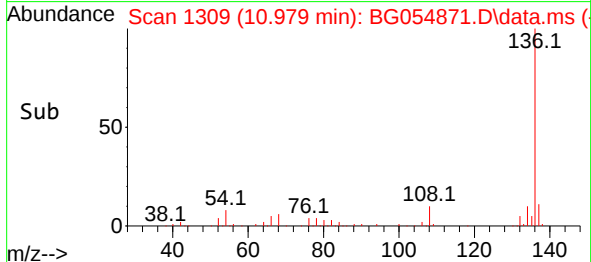
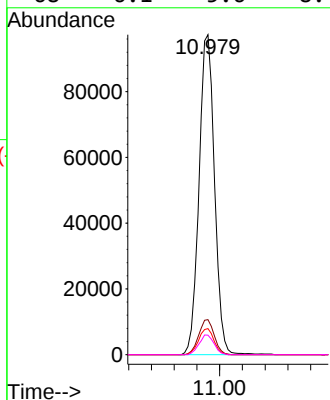
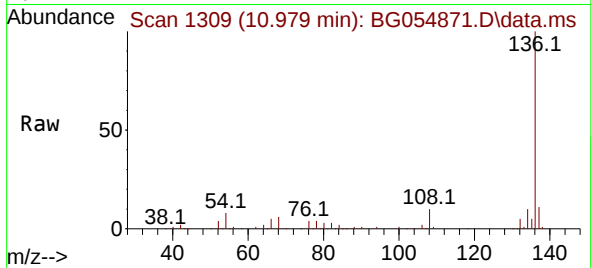




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

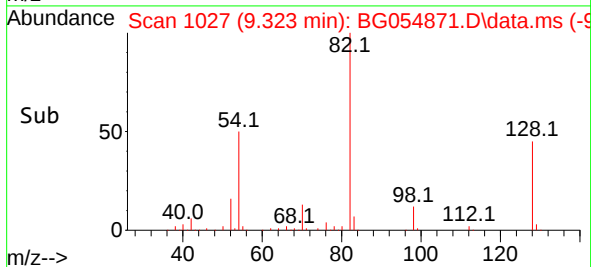
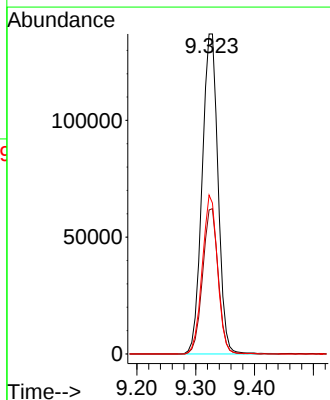
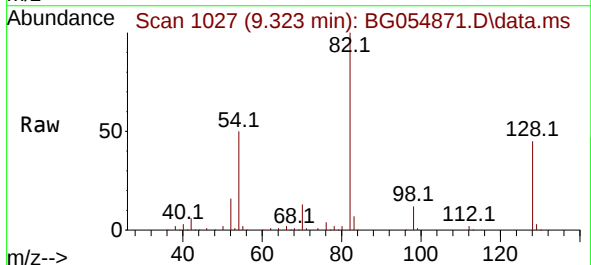
Instrument :
BNA_G
ClientSampleId :
VNJ-214

Tgt Ion:	136	Resp:	183924
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.2	7.7	11.5
68	6.1	5.6	8.4



#23
Nitrobenzene-d5
Concen: 73.445 ng
RT: 9.323 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:	82	Resp:	257319
Ion	Ratio	Lower	Upper
82	100		
128	45.0	32.2	48.2
54	49.6	41.4	62.0

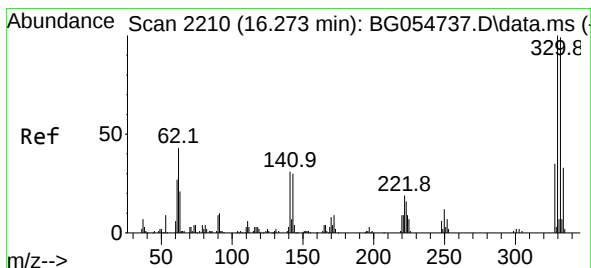
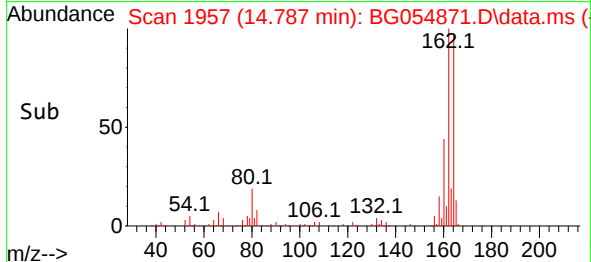
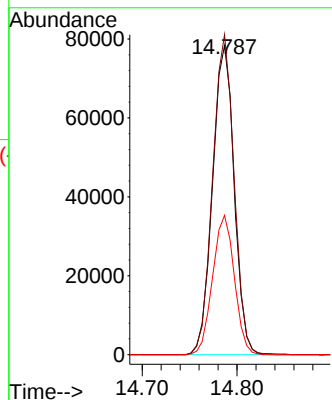
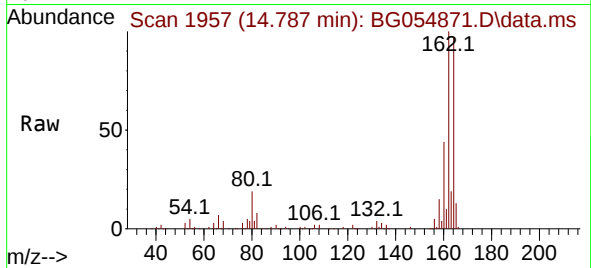




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

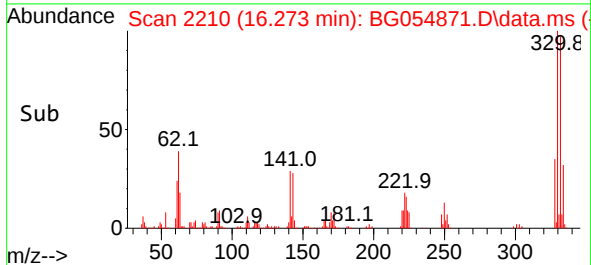
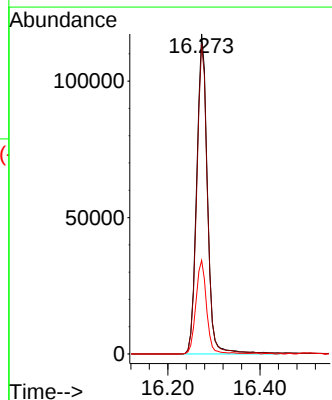
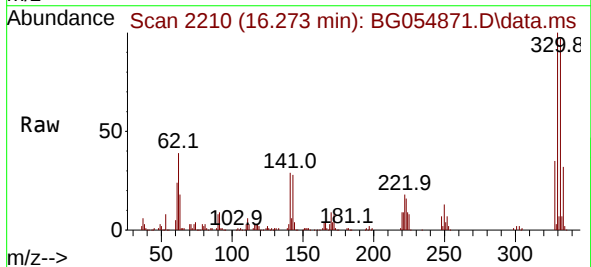
Instrument :
BNA_G
ClientSampleId :
VNJ-214

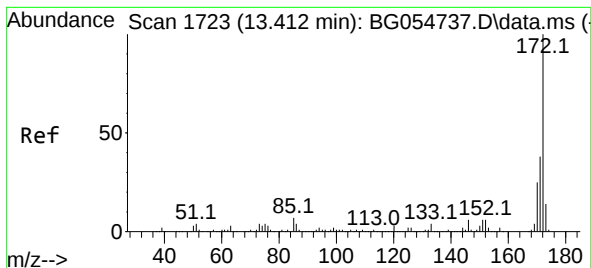
Tgt Ion:164 Resp: 123772
Ion Ratio Lower Upper
164 100
162 103.5 83.0 124.4
160 45.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 122.497 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:330 Resp: 189456
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 29.2 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 78.624 ng

RT: 13.406 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

Instrument :

BNA_G

ClientSampleId :

VNJ-214

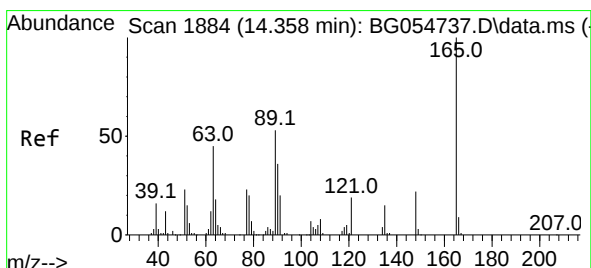
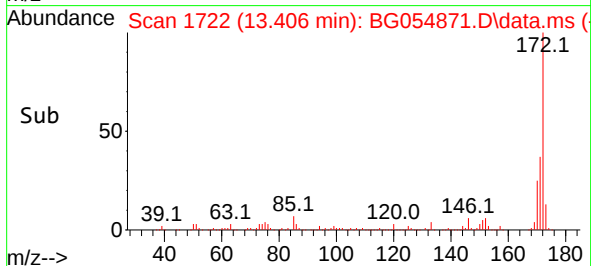
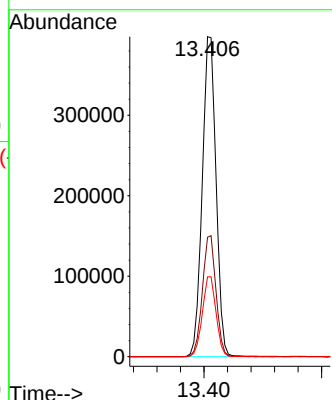
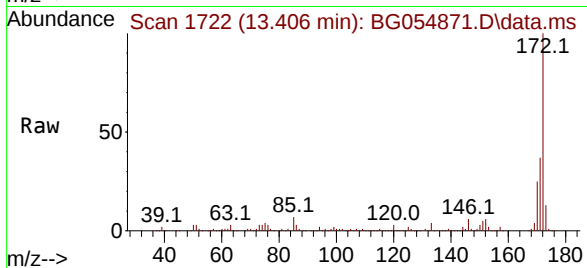
Tgt Ion:172 Resp: 647458

Ion Ratio Lower Upper

172 100

171 37.3 31.2 46.8

170 24.9 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 8.584 ng

RT: 14.787 min Scan# 1957

Delta R.T. 0.429 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

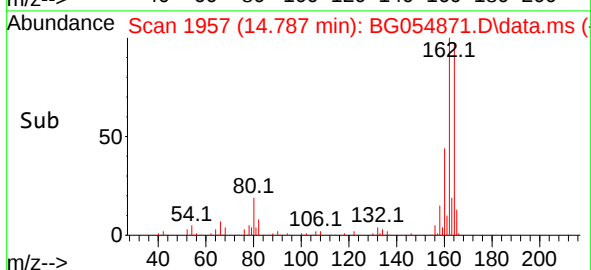
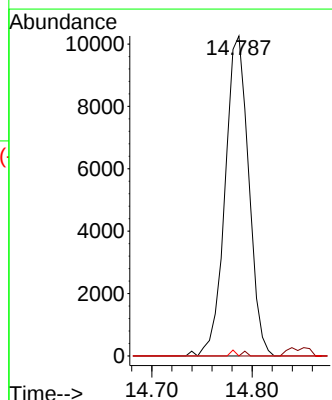
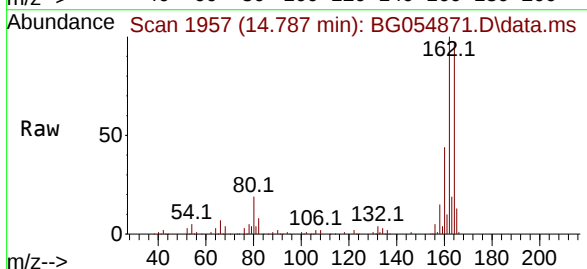
Tgt Ion:165 Resp: 16742

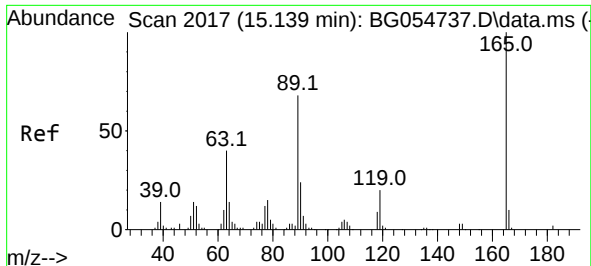
Ion Ratio Lower Upper

165 100

63 0.0 46.0 69.0#

89 0.0 50.3 75.5#

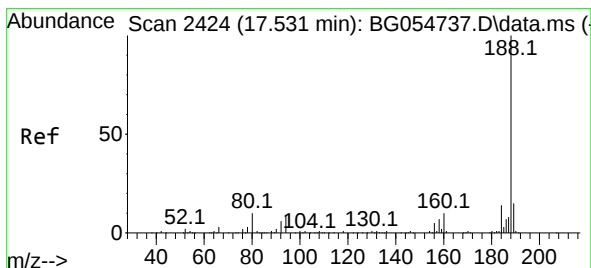
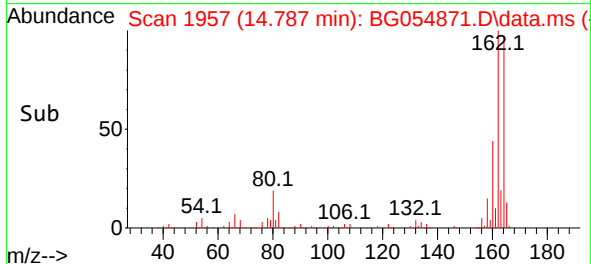
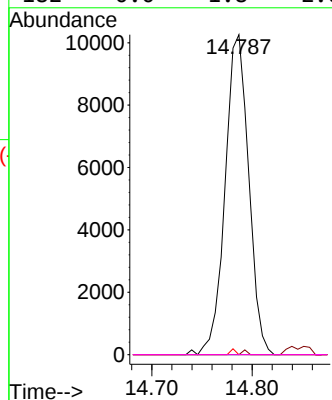
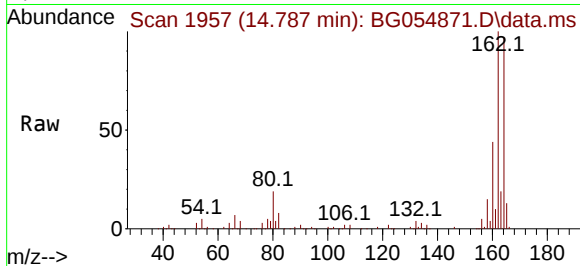




#57
2,4-Dinitrotoluene
Concen: 6.206 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.353 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

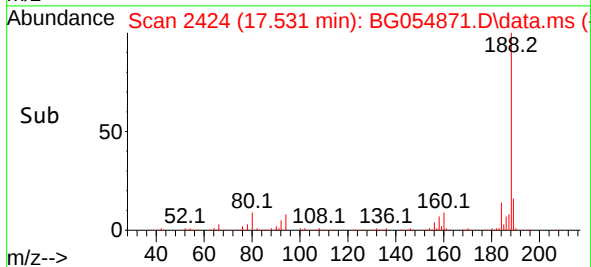
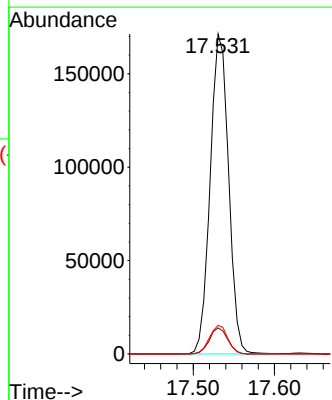
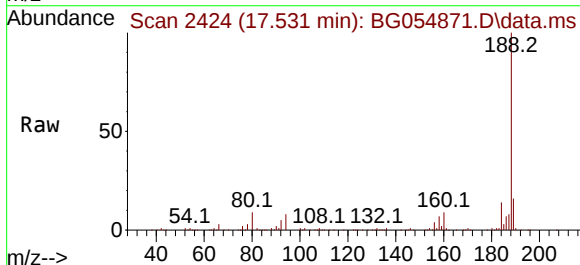
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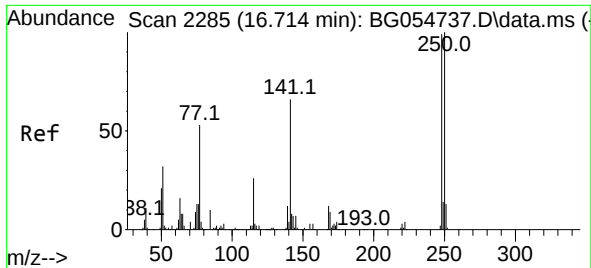
Tgt Ion:165 Resp: 16742
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:188 Resp: 269460
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.0 7.9 11.9

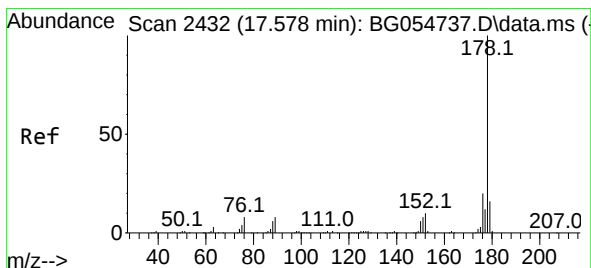
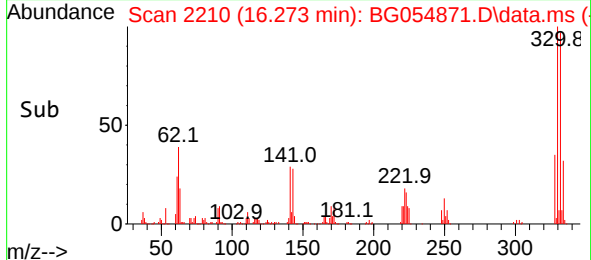
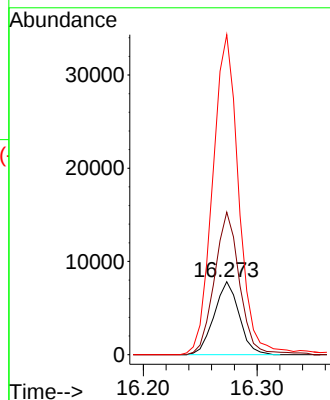
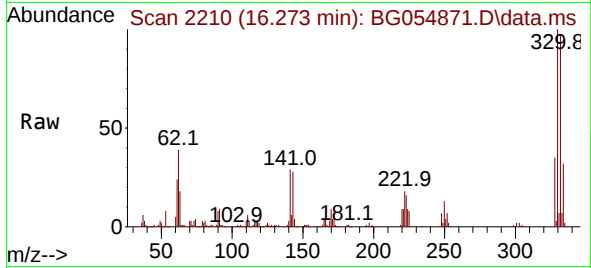




#67
4-Bromophenyl-phenylether
Concen: 4.051 ng
RT: 16.273 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

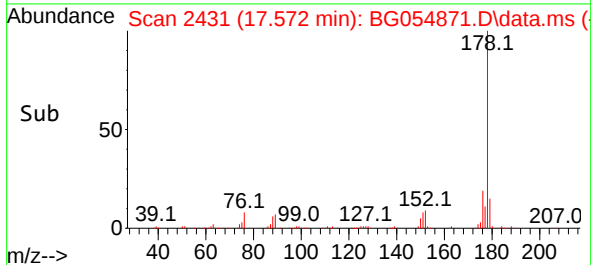
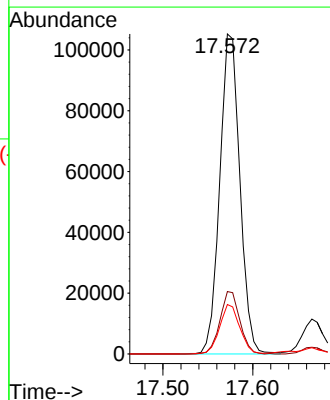
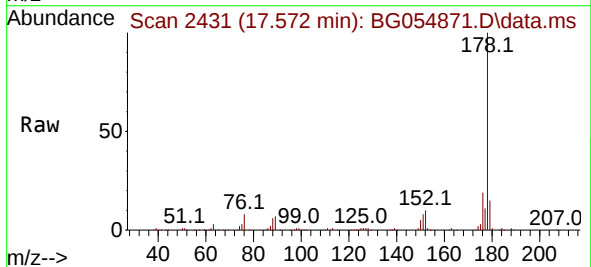
Instrument :
BNA_G
ClientSampleId :
VNJ-214

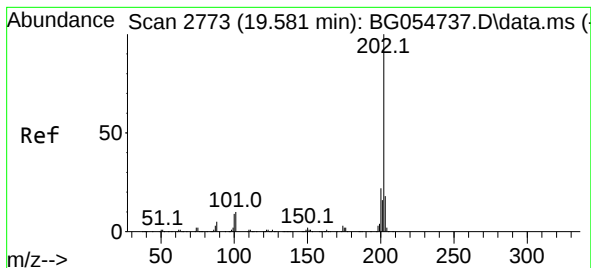
Tgt Ion:248 Resp: 11984
Ion Ratio Lower Upper
248 100
250 195.3 78.8 118.2#
141 438.2 51.9 77.9#



#71
Phenanthrene
Concen: 11.418 ng
RT: 17.572 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:178 Resp: 163903
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.5 12.8 19.2





#75

Fluoranthene

Concen: 18.570 ng

RT: 19.581 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

Instrument :

BNA_G

ClientSampleId :

VNJ-214

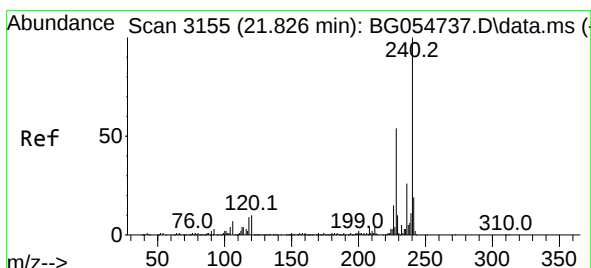
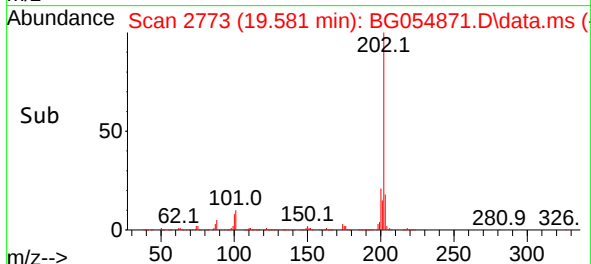
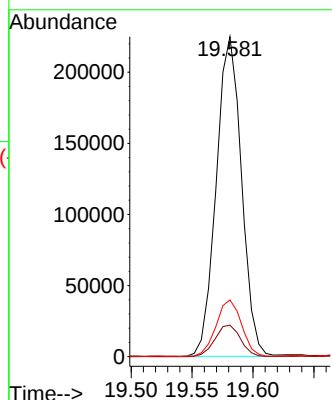
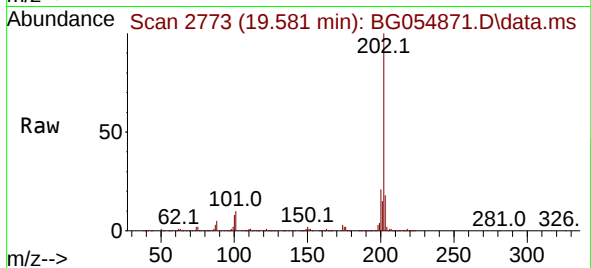
Tgt Ion:202 Resp: 324263

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

203 17.8 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.831 min Scan# 3156

Delta R.T. 0.006 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

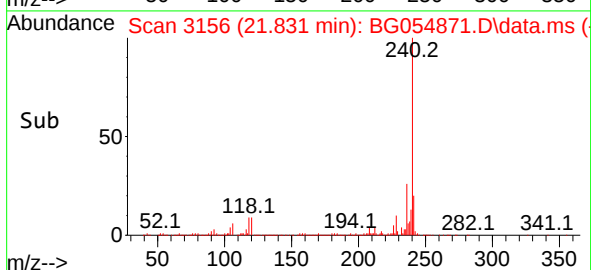
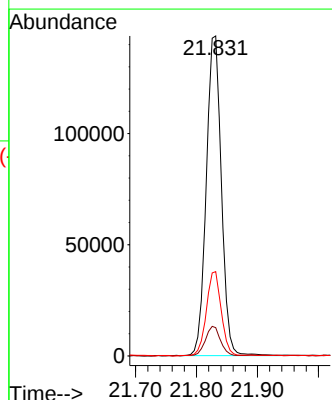
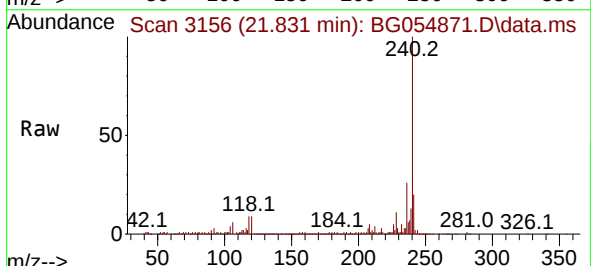
Tgt Ion:240 Resp: 246615

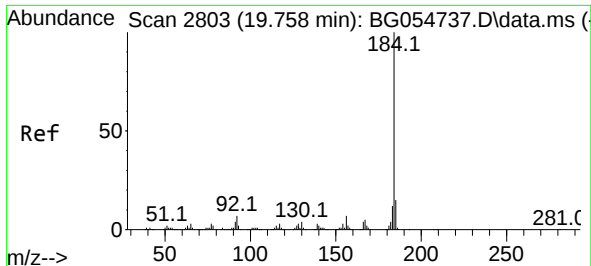
Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.4

236 26.4 21.2 31.8

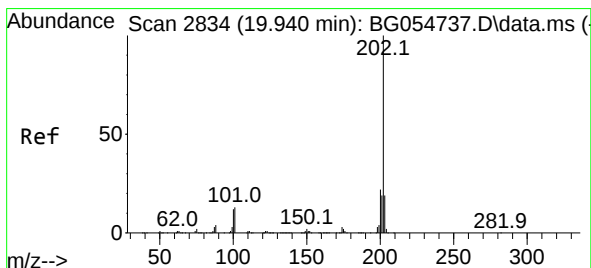
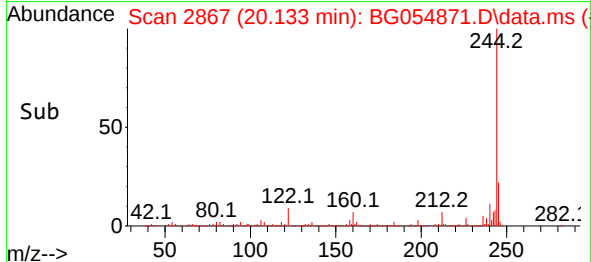
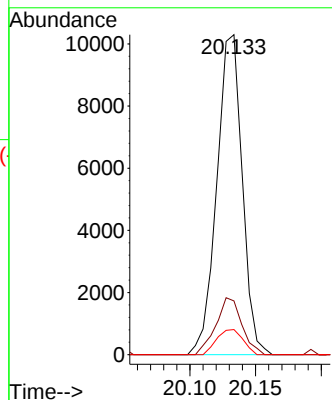
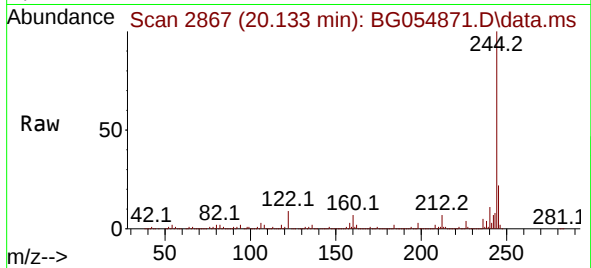




#77
Benzidine
Concen: 2.268 ng
RT: 20.133 min Scan# 21
Delta R.T. 0.376 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

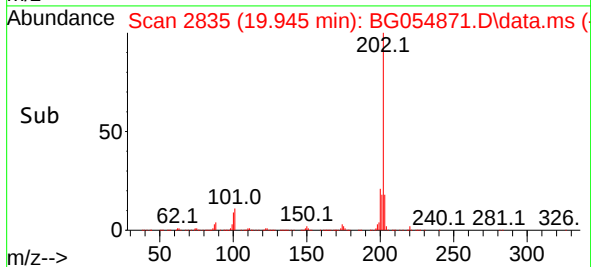
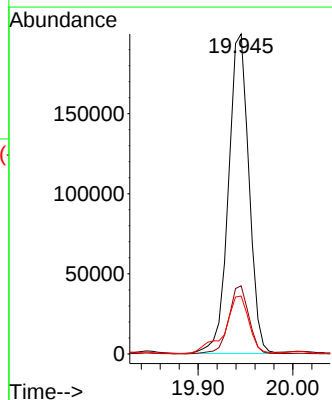
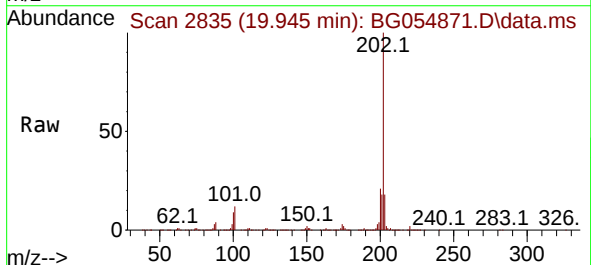
Instrument :
BNA_G
ClientSampleId :
VNJ-214

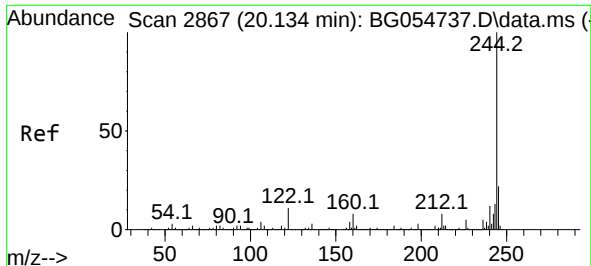
Tgt Ion:184 Resp: 13852
Ion Ratio Lower Upper
184 100
185 16.8 11.4 17.0
183 7.8 9.8 14.8#



#78
Pyrene
Concen: 17.402 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:202 Resp: 299256
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.1 14.6 21.8

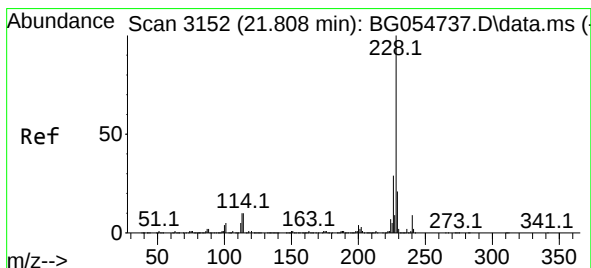
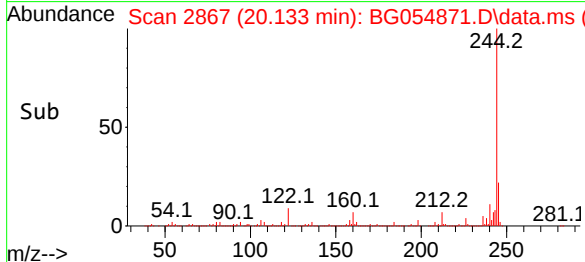
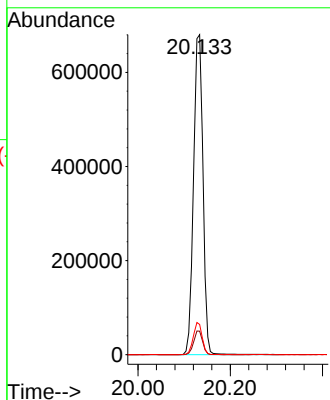
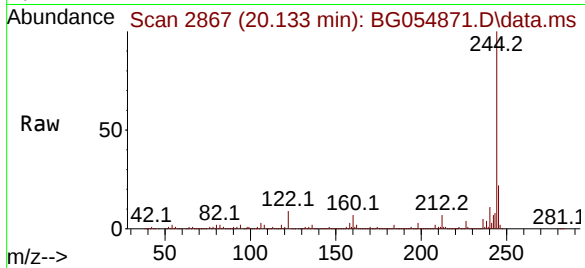




#79
 Terphenyl-d14
 Concen: 77.369 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054871.D
 Acq: 7 Sep 2022 16:27

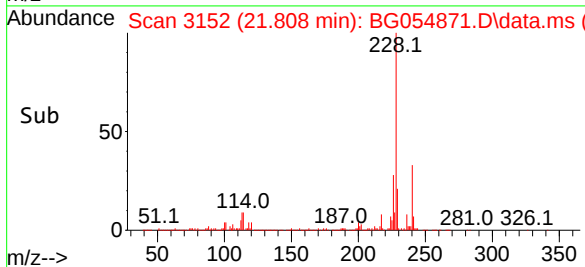
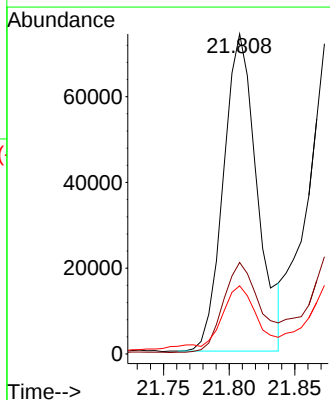
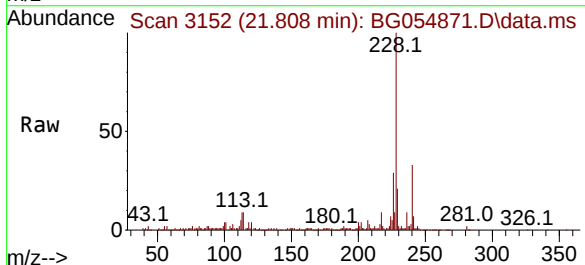
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-214

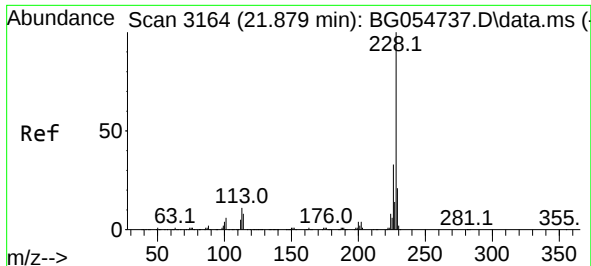
Tgt Ion:244 Resp: 962976
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.5 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 7.938 ng
 RT: 21.808 min Scan# 3152
 Delta R.T. -0.000 min
 Lab File: BG054871.D
 Acq: 7 Sep 2022 16:27

Tgt Ion:228 Resp: 132737
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.4 35.2
 229 21.3 16.5 24.7

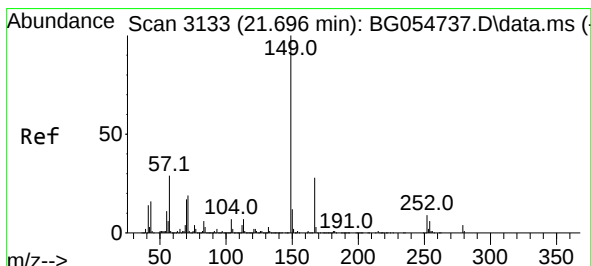
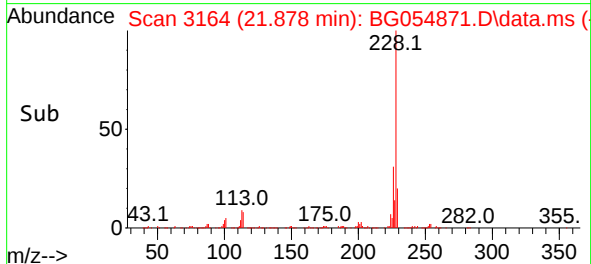
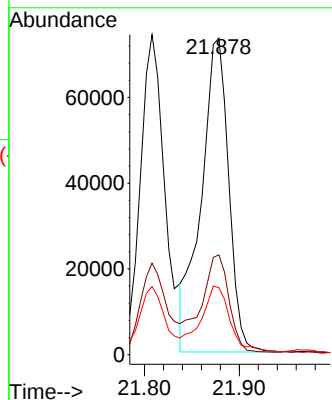
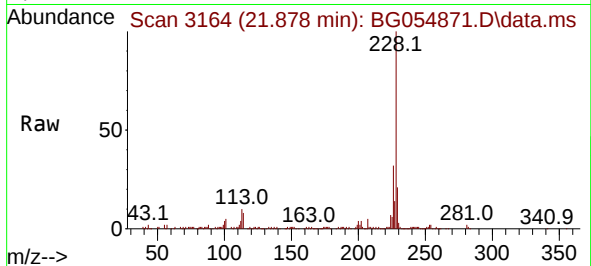




#83
Chrysene
Concen: 9.255 ng
RT: 21.878 min Scan# 3164
Delta R.T. -0.000 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

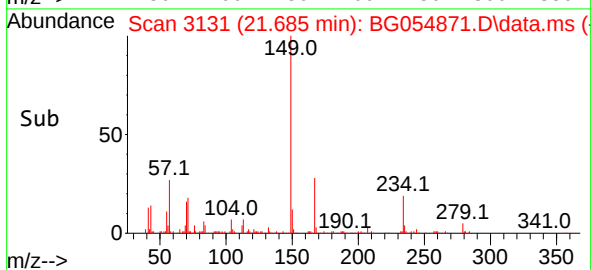
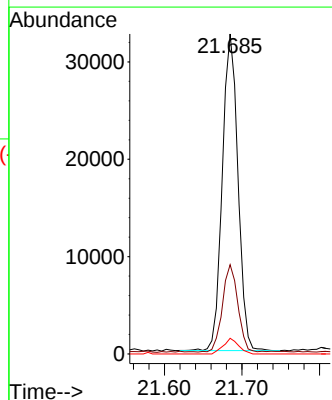
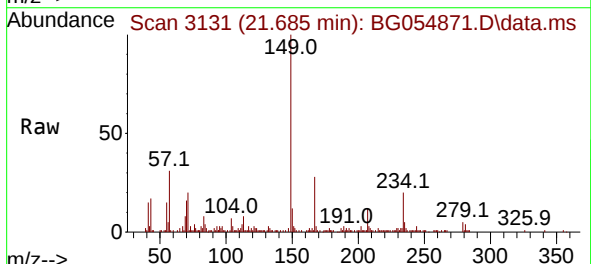
Instrument :
BNA_G
ClientSampleId :
VNJ-214

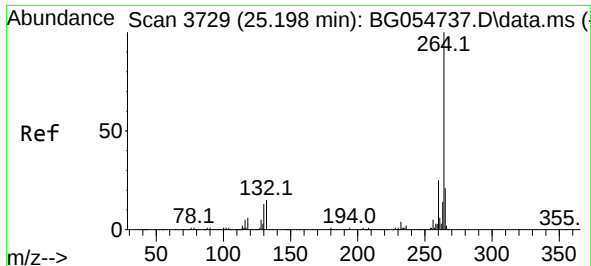
Tgt Ion:228 Resp: 147963
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 21.2 16.8 25.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.432 ng
RT: 21.685 min Scan# 3131
Delta R.T. -0.012 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:149 Resp: 45799
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 4.9 3.1 4.7#

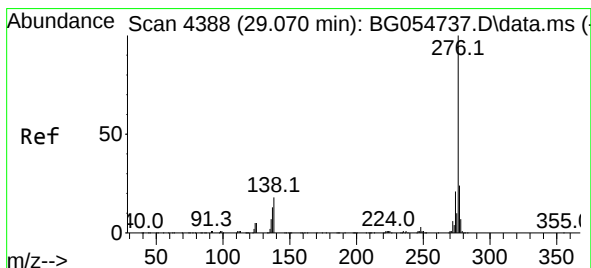
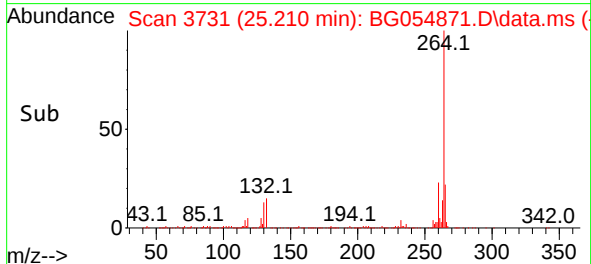
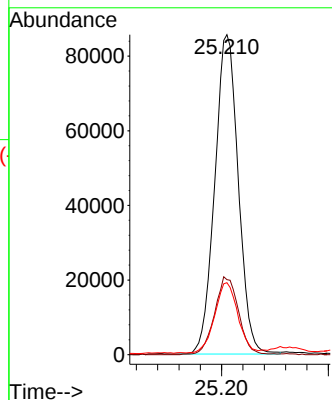
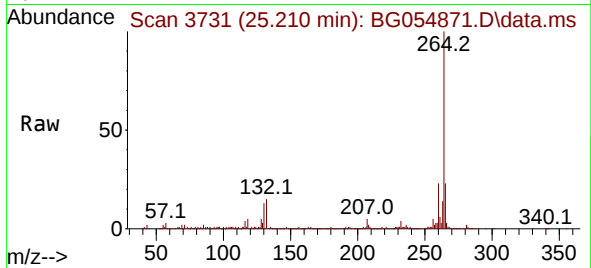




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

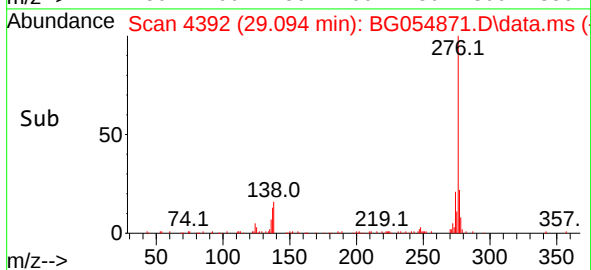
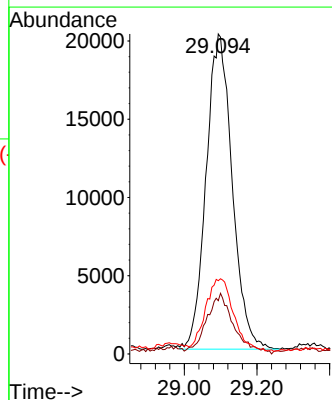
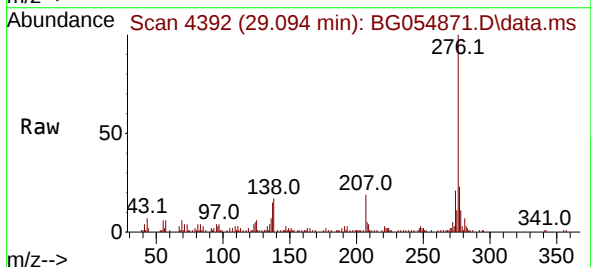
Instrument :
BNA_G
ClientSampleId :
VNJ-214

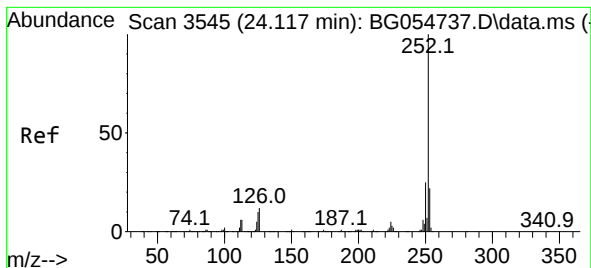
Tgt Ion:264 Resp: 262204
Ion Ratio Lower Upper
264 100
260 23.4 19.9 29.9
265 22.5 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.045 ng
RT: 29.094 min Scan# 4392
Delta R.T. 0.023 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:276 Resp: 100433
Ion Ratio Lower Upper
276 100
138 20.3 12.0 18.0#
277 24.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 12.045 ng

RT: 24.129 min Scan# 3547

Delta R.T. 0.012 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

Instrument :

BNA_G

ClientSampleId :

VNJ-214

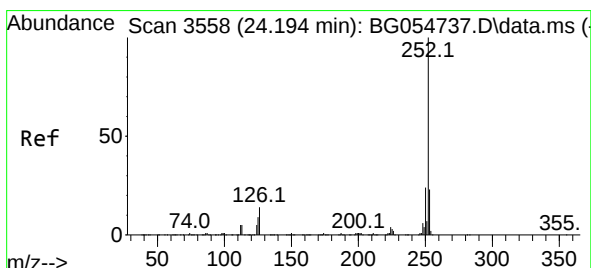
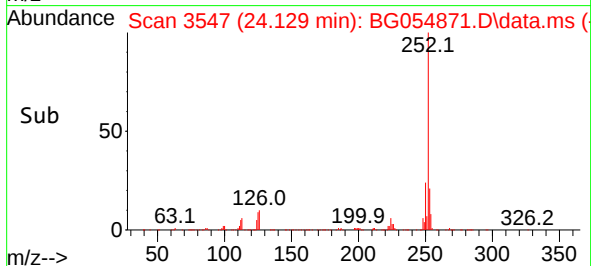
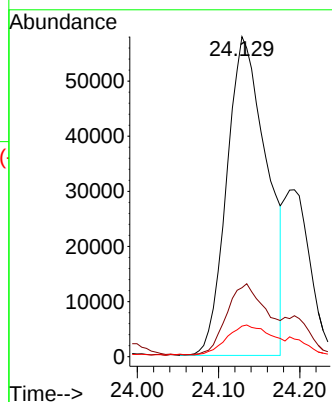
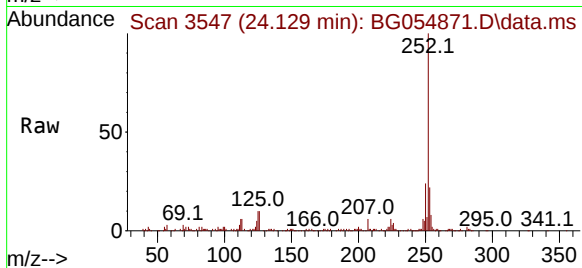
Tgt Ion:252 Resp: 198122

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

125 9.6 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 11.969 ng

RT: 24.129 min Scan# 3547

Delta R.T. -0.065 min

Lab File: BG054871.D

Acq: 7 Sep 2022 16:27

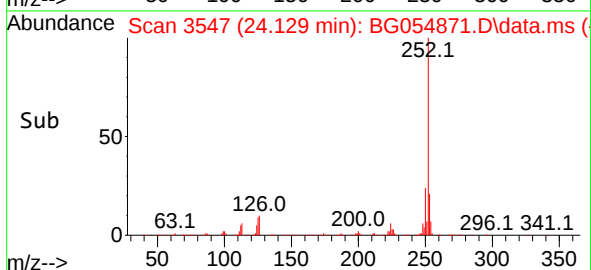
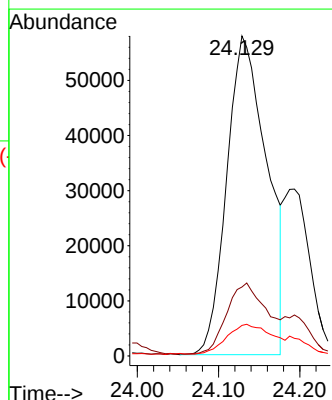
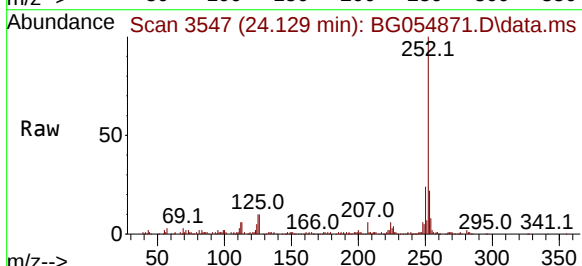
Tgt Ion:252 Resp: 198122

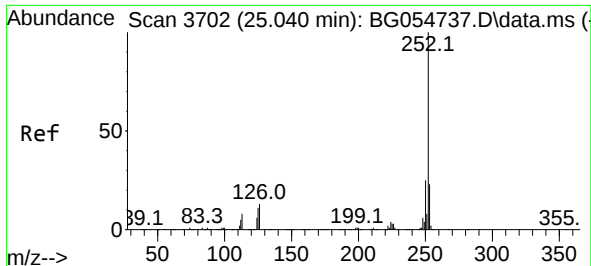
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 9.6 8.2 12.4

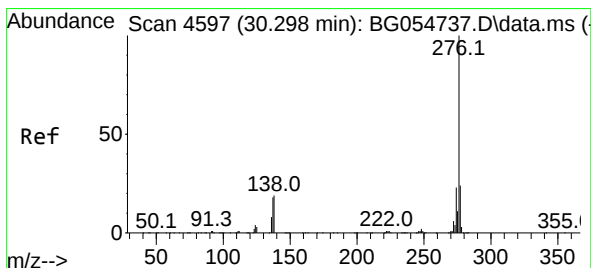
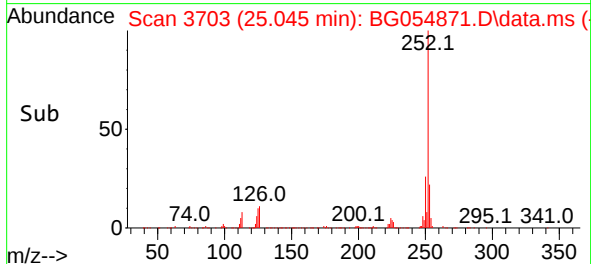
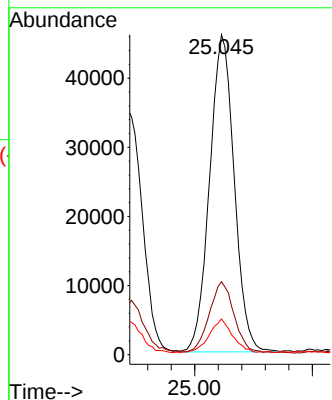
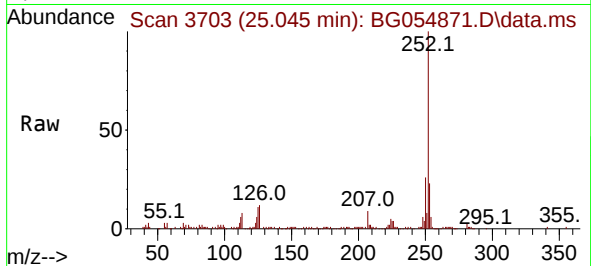




#90
Benzo(a)pyrene
Concen: 9.480 ng
RT: 25.045 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Instrument :
BNA_G
ClientSampleId :
VNJ-214

Tgt Ion:252 Resp: 133222
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.2 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 6.146 ng
RT: 30.322 min Scan# 4601
Delta R.T. 0.023 min
Lab File: BG054871.D
Acq: 7 Sep 2022 16:27

Tgt Ion:276 Resp: 100686
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 18.4 16.6 25.0

