

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072022\
 Data File : BG054338.D
 Acq On : 20 Jul 2022 22:21
 Operator : CG/JU
 Sample : N3778-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-071922

Quant Time: Jul 21 01:26:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

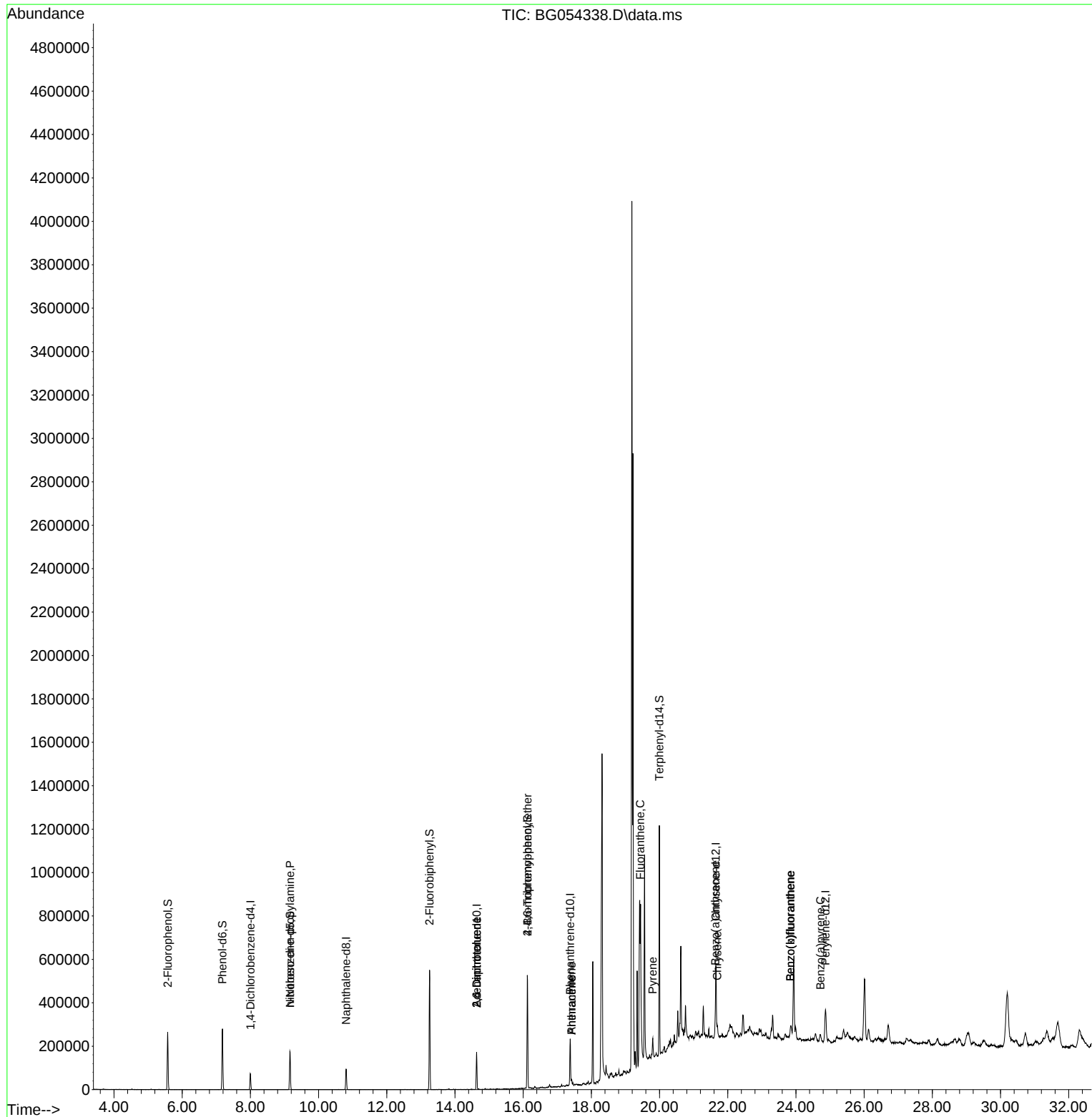
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.003	152	23263	20.000	ng	0.00
21) Naphthalene-d8	10.806	136	89209	20.000	ng	# 0.00
39) Acenaphthene-d10	14.636	164	65573	20.000	ng	0.00
64) Phenanthrene-d10	17.380	188	151148	20.000	ng	# 0.00
76) Chrysene-d12	21.652	240	166209	20.000	ng	# 0.00
86) Perylene-d12	24.866	264	177539	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.576	112	121332	108.897	ng	0.00
7) Phenol-d6	7.181	99	162245	106.271	ng	0.00
23) Nitrobenzene-d5	9.166	82	107593	65.679	ng	0.00
42) 2,4,6-Tribromophenol	16.129	330	136489	99.136	ng	0.00
45) 2-Fluorobiphenyl	13.256	172	323142	69.519	ng	0.00
79) Terphenyl-d14	19.995	244	566238	67.584	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.175	77	253	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.166	70	15538	15.241	ng	# 83
51) 2,6-Dinitrotoluene	14.636	165	9218	8.205	ng	# 16
57) 2,4-Dinitrotoluene	14.636	165	9218	5.724	ng	# 21
67) 4-Bromophenyl-phenylether	16.129	248	8315	3.917	ng	# 1
71) Phenanthrene	17.421	178	19584	2.602	ng	97
72) Anthracene	17.421	178	19584	2.651	ng	98
75) Fluoranthene	19.437	202	53749	5.238	ng	92
78) Pyrene	19.801	202	55789	5.850	ng	99
81) Benzo(a)anthracene	21.634	228	34477	3.268	ng	93
83) Chrysene	21.693	228	39292	3.942	ng	# 96
88) Benzo(b)fluoranthene	23.843	252	54965	5.235	ng	# 88
89) Benzo(k)fluoranthene	23.843	252	54965	5.260	ng	# 89
90) Benzo(a)pyrene	24.719	252	36393	4.059	ng	# 93

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

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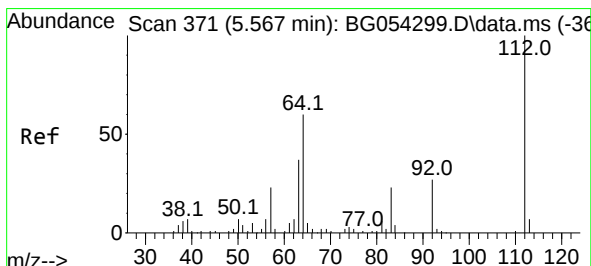
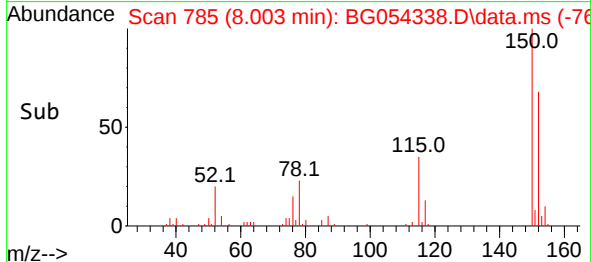
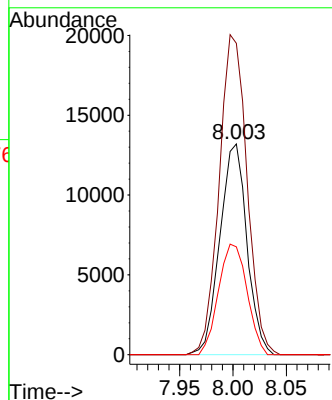
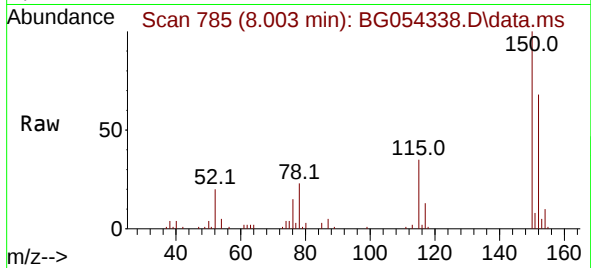




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.003 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

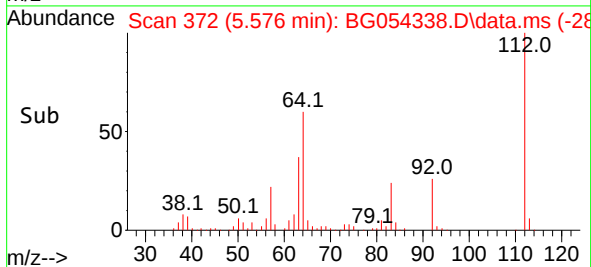
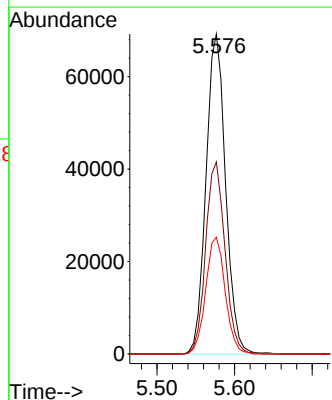
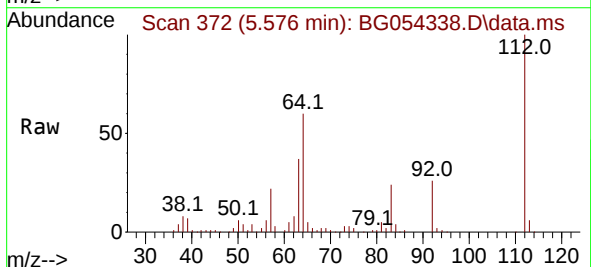
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

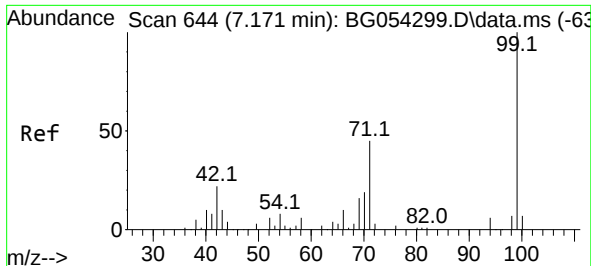
Tgt Ion:152 Resp: 23263
Ion Ratio Lower Upper
152 100
150 147.8 131.6 197.4
115 51.2 50.9 76.3



#5
2-Fluorophenol
Concen: 108.897 ng
RT: 5.576 min Scan# 372
Delta R.T. 0.009 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:112 Resp: 121332
Ion Ratio Lower Upper
112 100
64 60.0 55.1 82.7
63 36.5 30.4 45.6

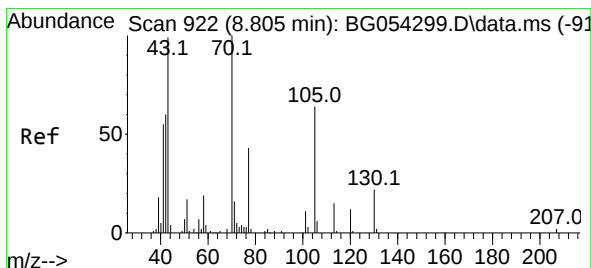
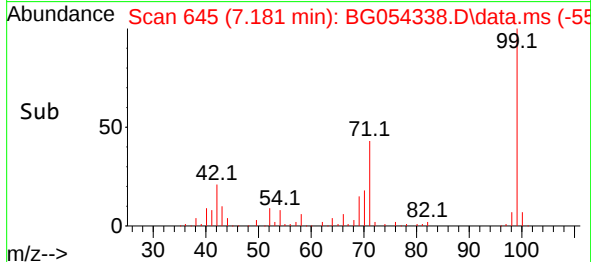
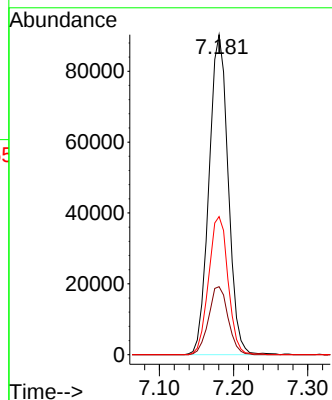
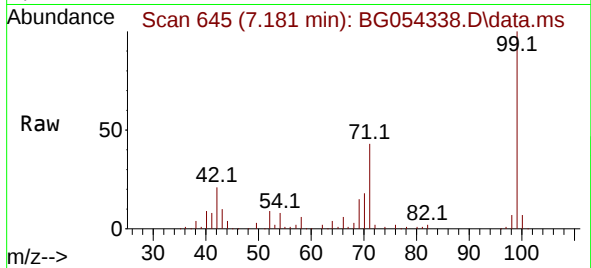




#7
Phenol-d6
Concen: 106.271 ng
RT: 7.181 min Scan# 64
Delta R.T. 0.009 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

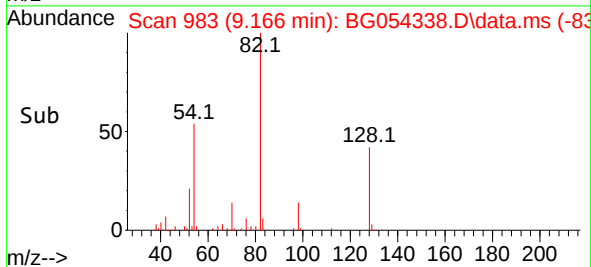
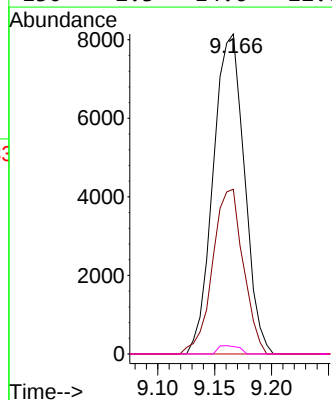
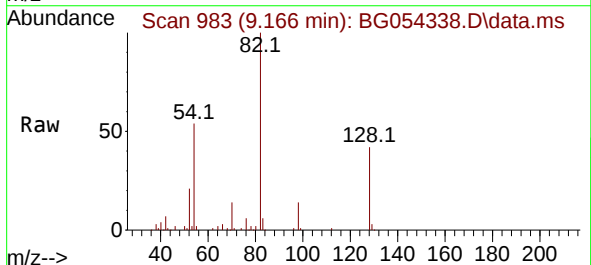
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

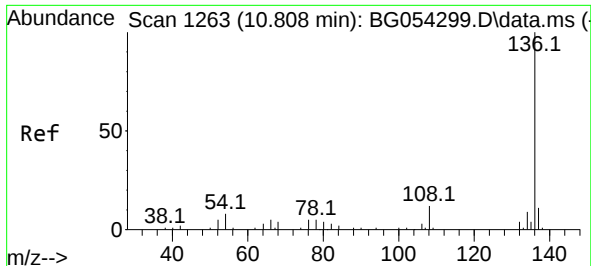
Tgt Ion: 99 Resp: 162245
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.241 ng
RT: 9.166 min Scan# 983
Delta R.T. 0.362 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion: 70 Resp: 15538
Ion Ratio Lower Upper
70 100
42 51.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.3 14.6 22.0#

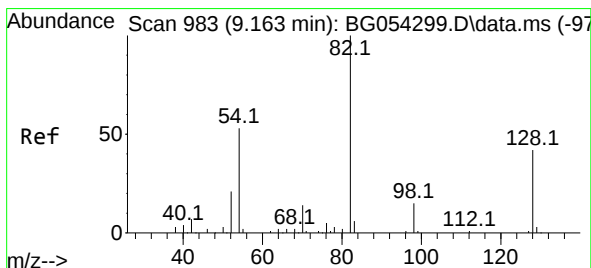
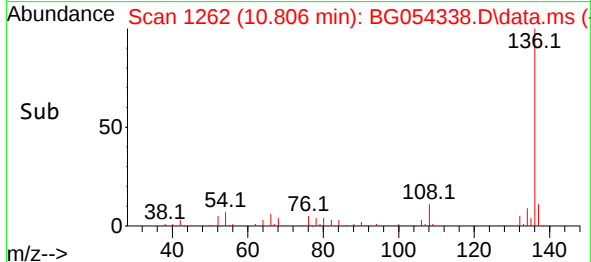
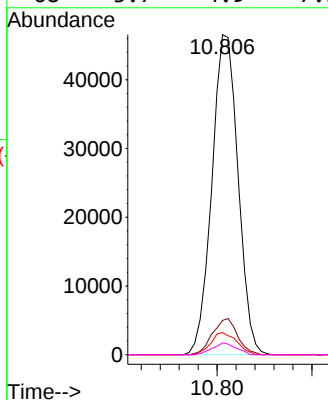
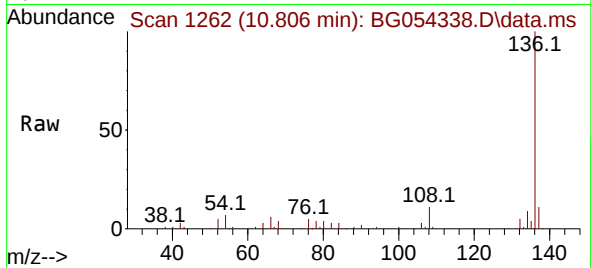




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.806 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

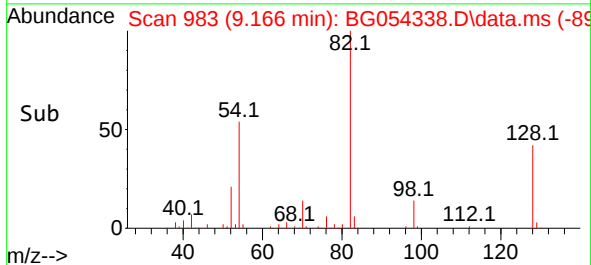
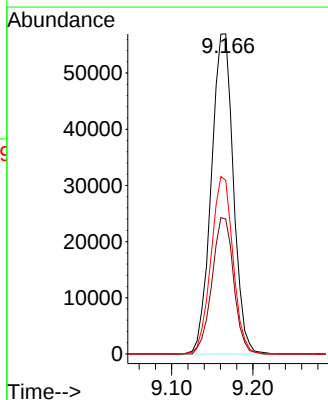
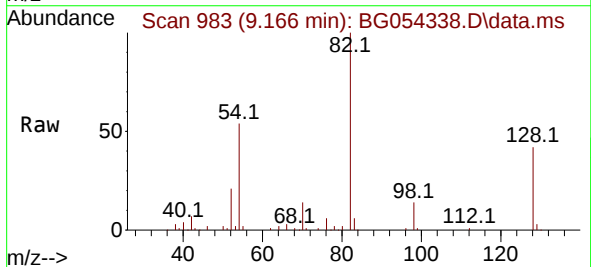
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

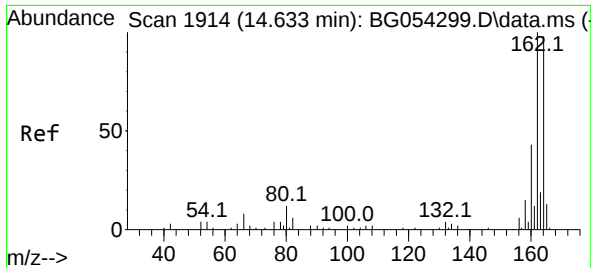
Tgt Ion:	136	Resp:	89209
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.9	7.4	11.2#
68	3.7	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 65.679 ng
RT: 9.166 min Scan# 983
Delta R.T. 0.003 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:	82	Resp:	107593
Ion Ratio	Lower	Upper	
82	100		
128	42.2	27.9	41.9#
54	54.2	41.2	61.8

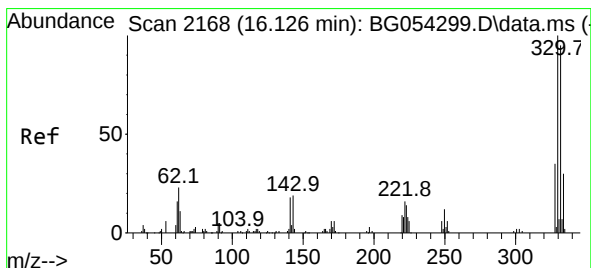
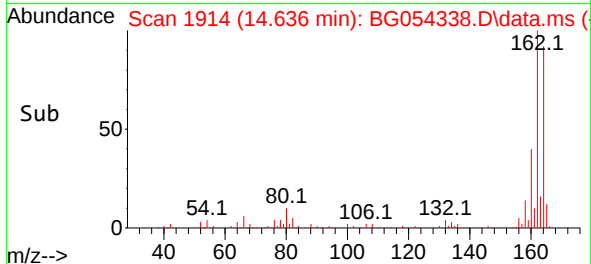
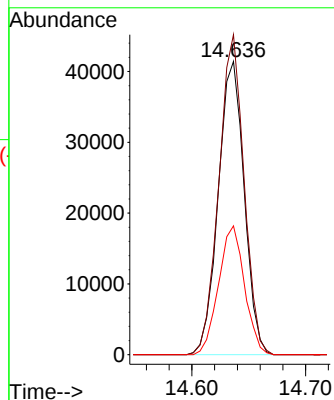
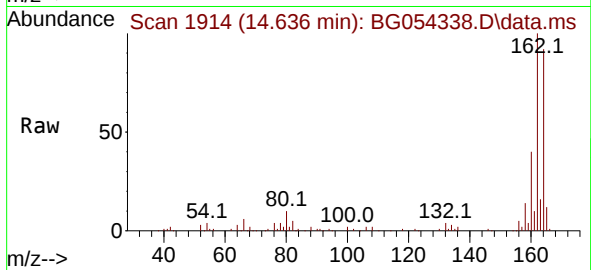




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.636 min Scan# 1914
 Delta R.T. 0.003 min
 Lab File: BG054338.D
 Acq: 20 Jul 2022 22:21

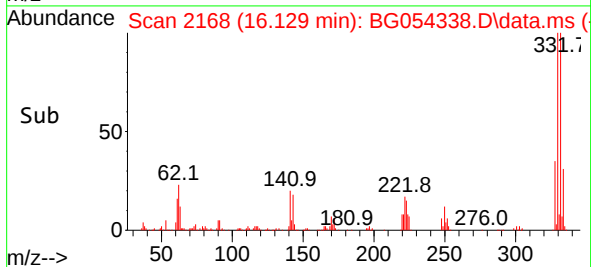
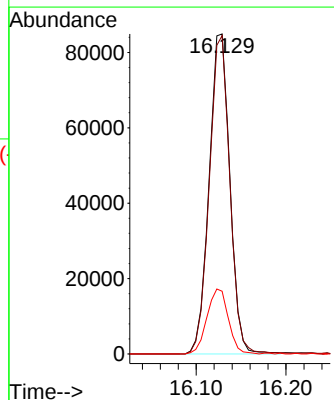
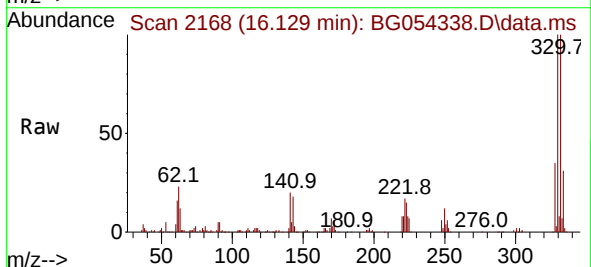
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-071922

Tgt Ion:164 Resp: 65573
 Ion Ratio Lower Upper
 164 100
 162 109.1 82.3 123.5
 160 43.9 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 99.136 ng
 RT: 16.129 min Scan# 2168
 Delta R.T. 0.003 min
 Lab File: BG054338.D
 Acq: 20 Jul 2022 22:21

Tgt Ion:330 Resp: 136489
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.0 114.0
 141 20.8 27.1 40.7#

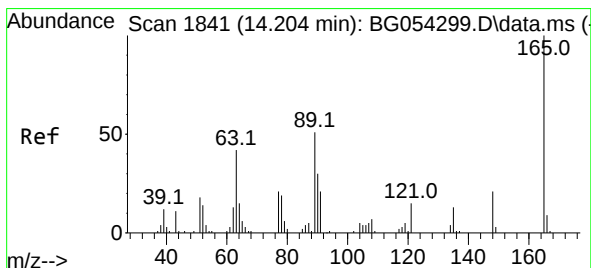
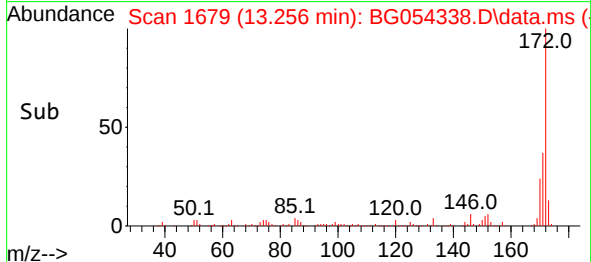
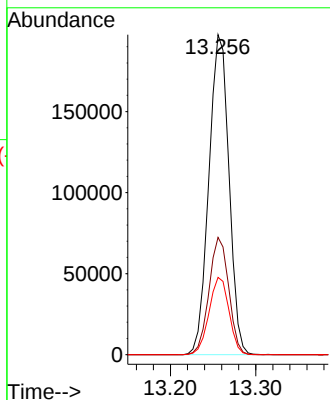
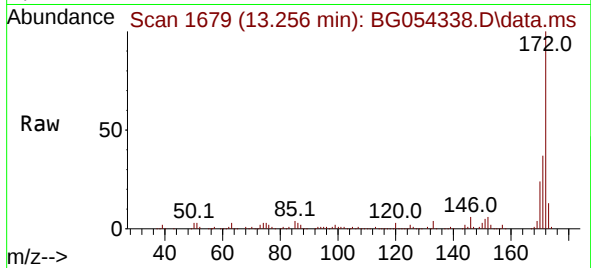




#45
2-Fluorobiphenyl
Concen: 69.519 ng
RT: 13.256 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

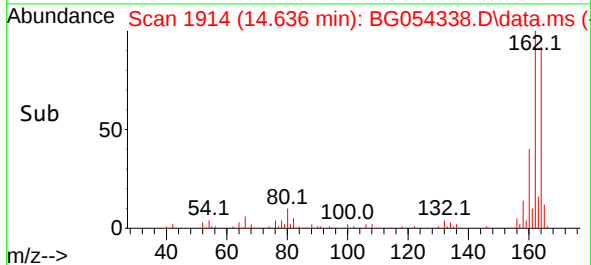
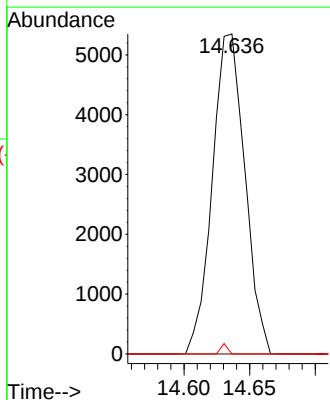
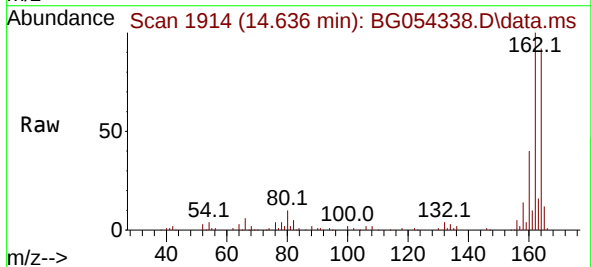
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

Tgt Ion:172 Resp: 323142
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.205 ng
RT: 14.636 min Scan# 1914
Delta R.T. 0.432 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:165 Resp: 9218
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.724 ng

RT: 14.636 min Scan# 1976

Delta R.T. -0.361 min

Lab File: BG054338.D

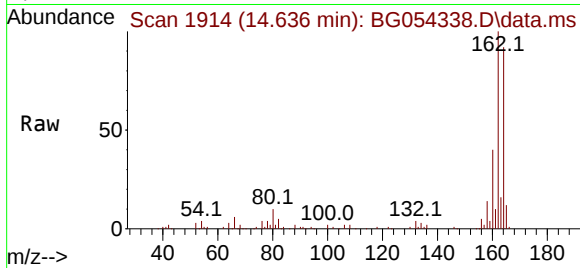
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Instrument :

BNA_G

ClientSampleId :

BU-03-071922



Tgt Ion:165 Resp: 9218

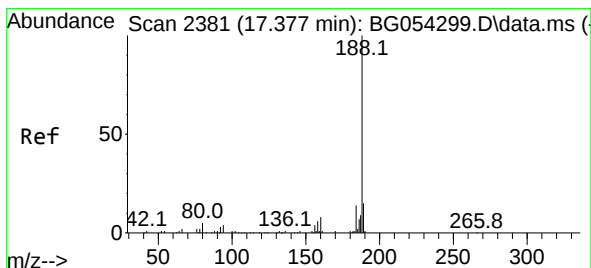
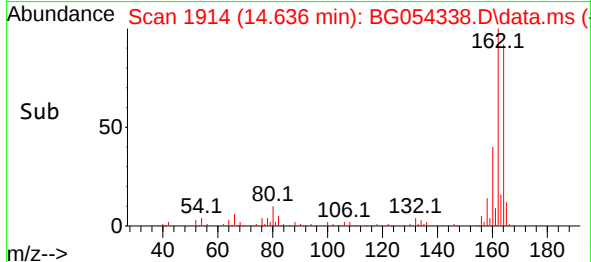
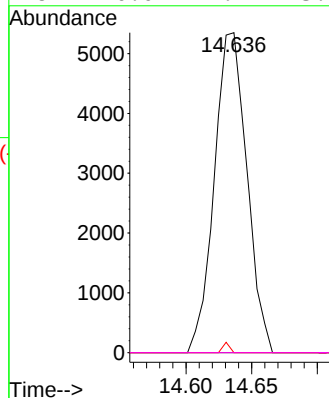
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.380 min Scan# 2381

Delta R.T. 0.003 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

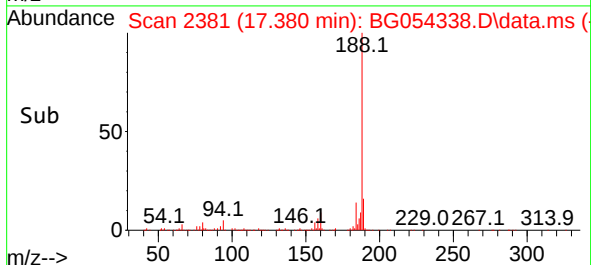
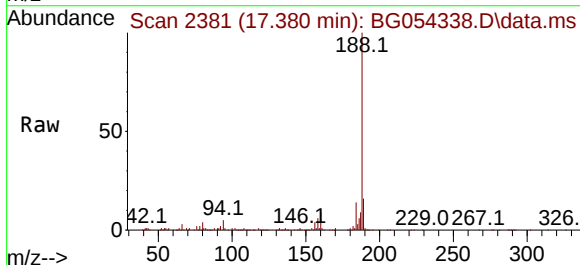
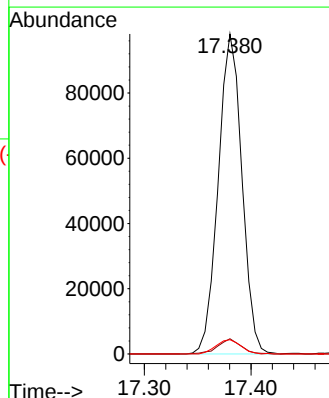
Tgt Ion:188 Resp: 151148

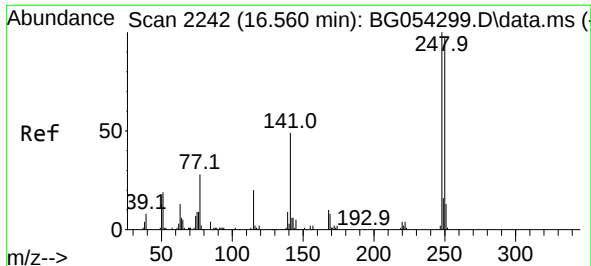
Ion Ratio Lower Upper

188 100

94 4.7 5.4 8.0#

80 4.5 6.8 10.2#

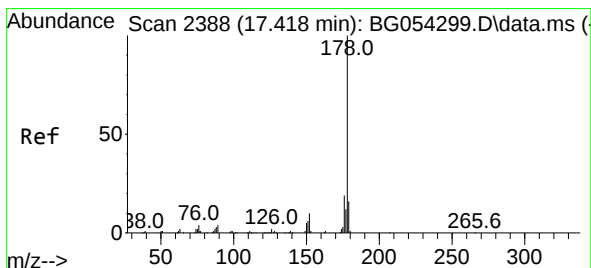
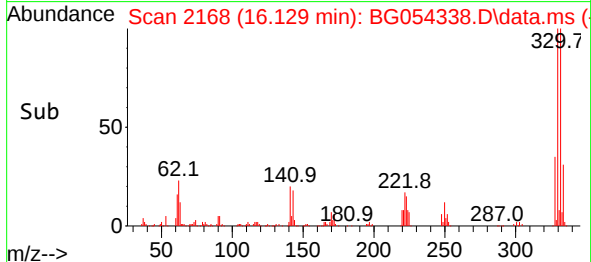
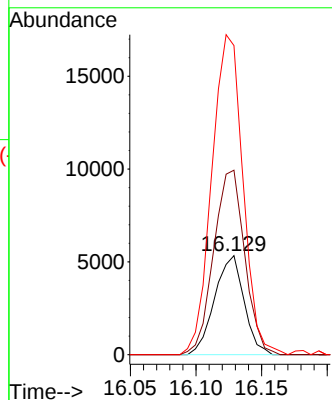
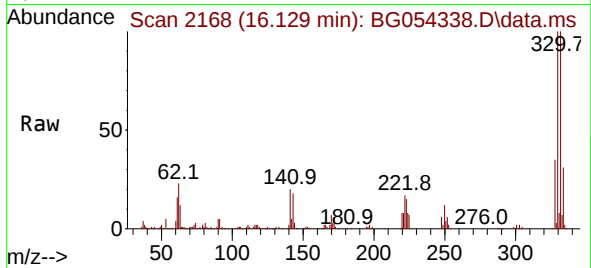




#67
4-Bromophenyl-phenylether
Concen: 3.917 ng
RT: 16.129 min Scan# 21
Delta R.T. -0.432 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

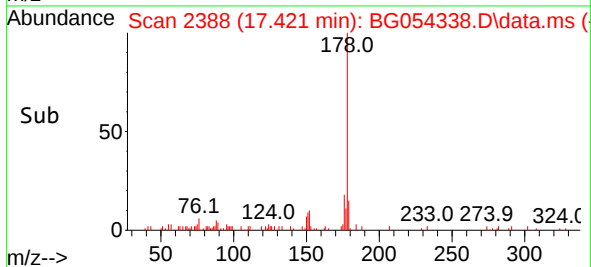
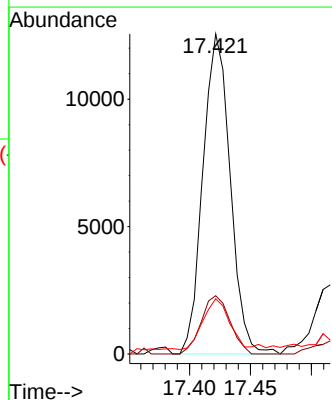
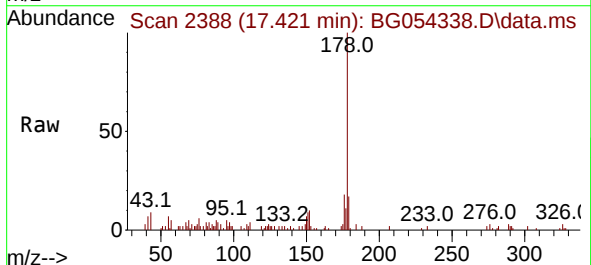
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

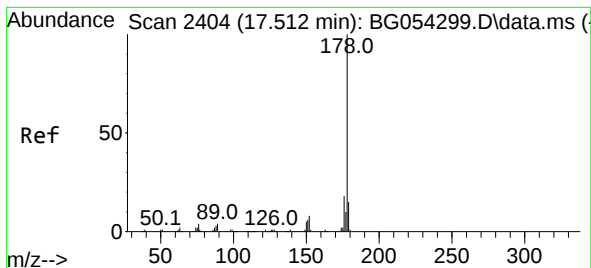
Tgt Ion:248 Resp: 8315
Ion Ratio Lower Upper
248 100
250 191.9 75.2 112.8#
141 245.1 50.0 75.0#



#71
Phenanthrene
Concen: 2.602 ng
RT: 17.421 min Scan# 2388
Delta R.T. 0.003 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:178 Resp: 19584
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 17.3 12.1 18.1





#72

Anthracene

Concen: 2.651 ng

RT: 17.421 min Scan# 21

Delta R.T. -0.091 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

Instrument :

BNA_G

ClientSampleId :

BU-03-071922

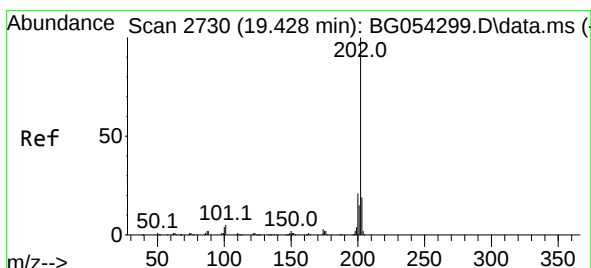
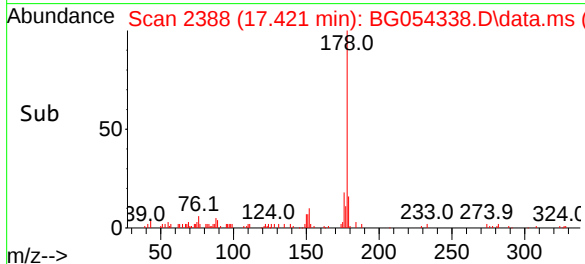
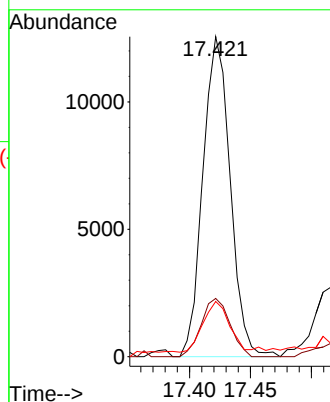
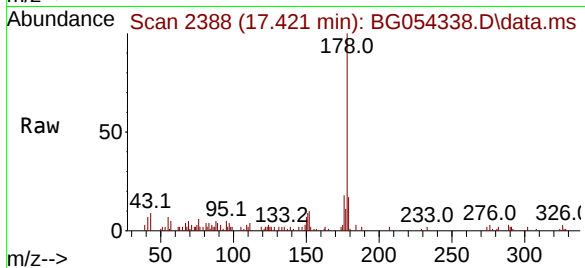
Tgt Ion:178 Resp: 19584

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

179 17.3 13.0 19.4



#75

Fluoranthene

Concen: 5.238 ng

RT: 19.437 min Scan# 2731

Delta R.T. 0.009 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

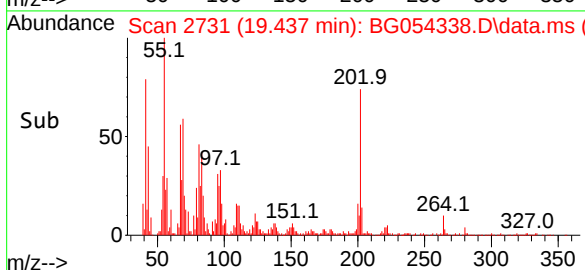
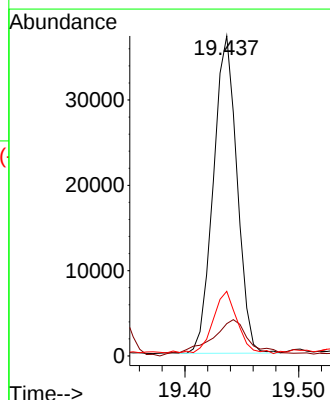
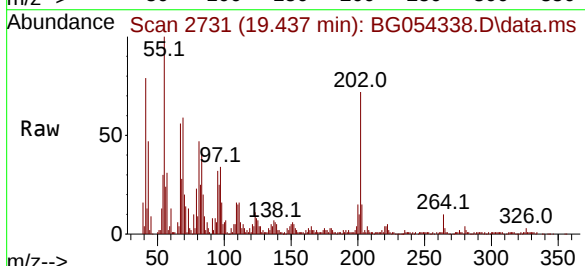
Tgt Ion:202 Resp: 53749

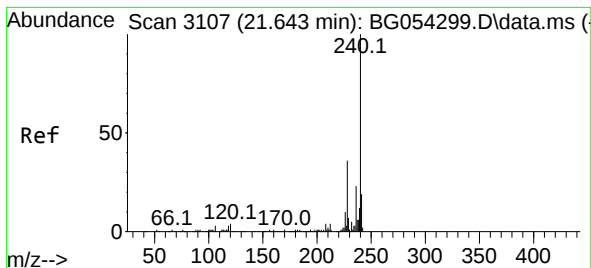
Ion Ratio Lower Upper

202 100

101 10.1 0.0 26.9

203 20.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.652 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

Instrument :

BNA_G

ClientSampleId :

BU-03-071922

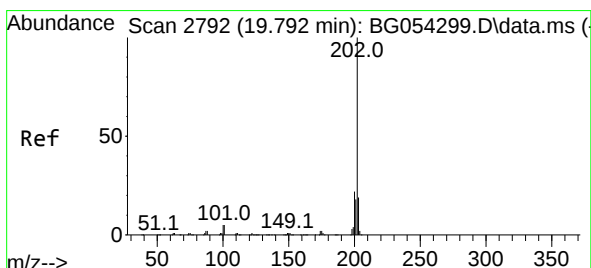
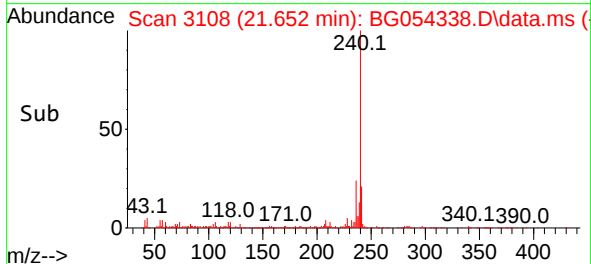
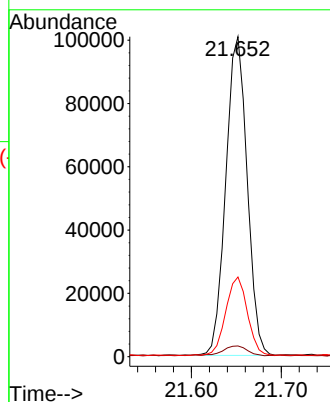
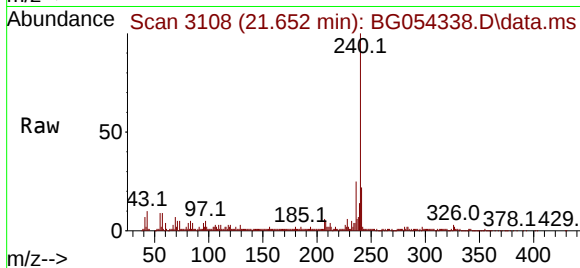
Tgt Ion:240 Resp: 166209

Ion Ratio Lower Upper

240 100

120 3.3 4.6 7.0#

236 24.9 20.2 30.4



#78

Pyrene

Concen: 5.850 ng

RT: 19.801 min Scan# 2793

Delta R.T. 0.009 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

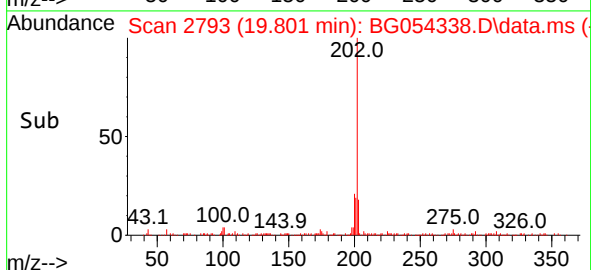
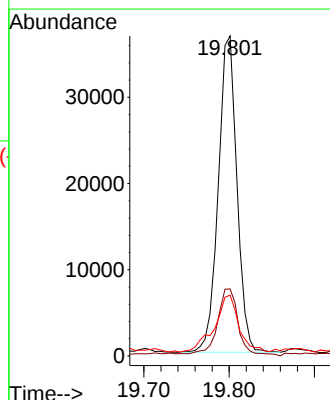
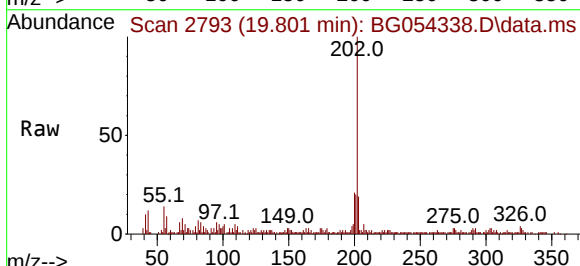
Tgt Ion:202 Resp: 55789

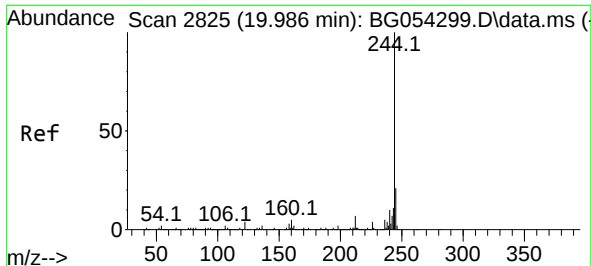
Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

203 19.0 14.6 21.8

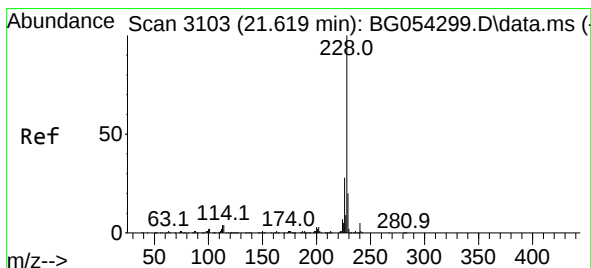
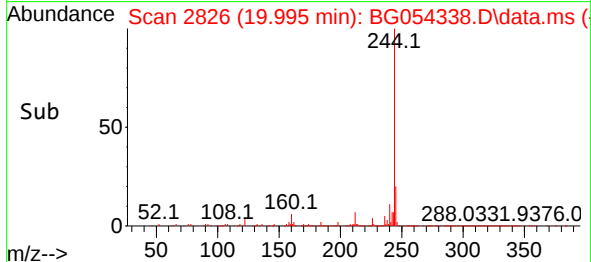
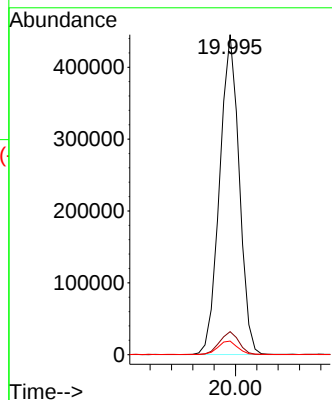
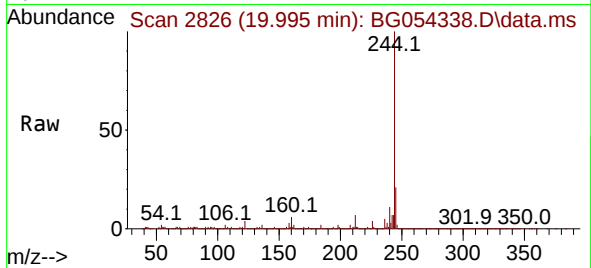




#79
Terphenyl-d14
Concen: 67.584 ng
RT: 19.995 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

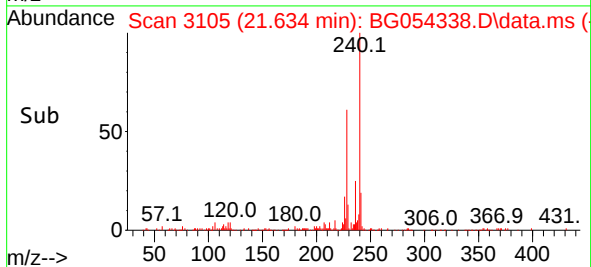
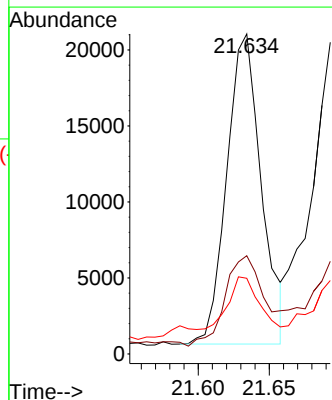
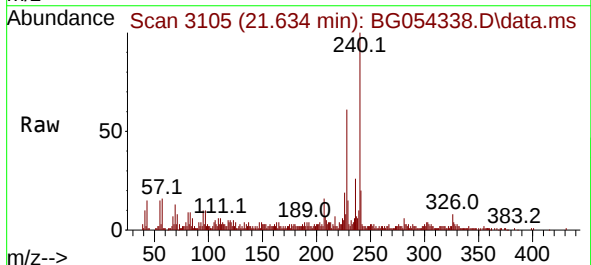
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

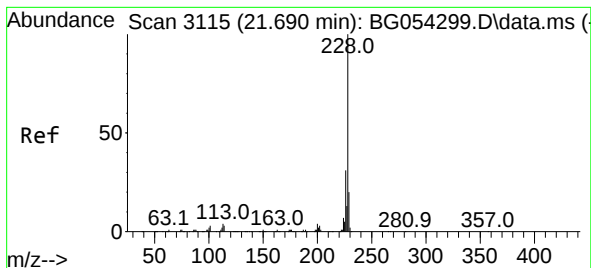
Tgt Ion:244 Resp: 566238
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.3 5.0 7.4#



#81
Benzo(a)anthracene
Concen: 3.268 ng
RT: 21.634 min Scan# 3105
Delta R.T. 0.015 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:228 Resp: 34477
Ion Ratio Lower Upper
228 100
226 30.7 21.6 32.4
229 23.6 16.2 24.2





#83

Chrysene

Concen: 3.942 ng

RT: 21.693 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

Instrument :

BNA_G

ClientSampleId :

BU-03-071922

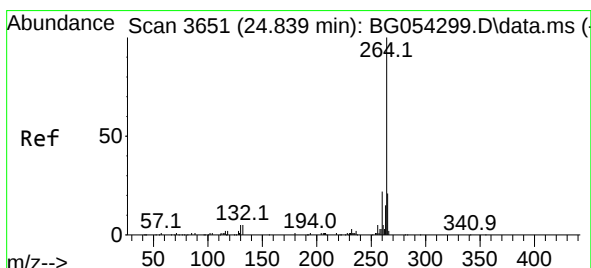
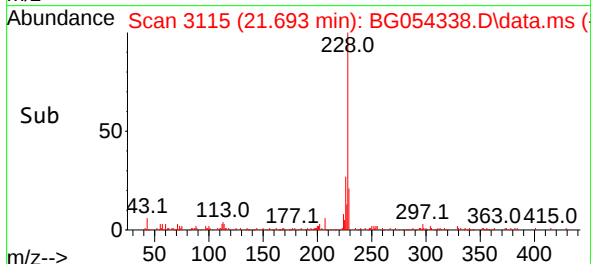
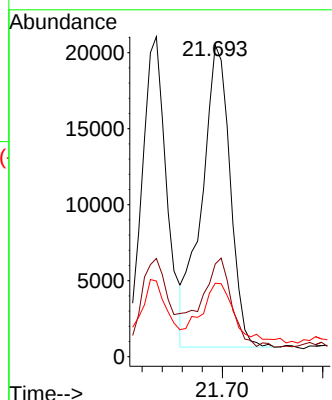
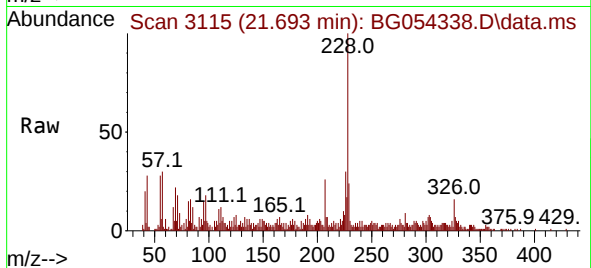
Tgt Ion:228 Resp: 39292

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

229 23.6 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.866 min Scan# 3655

Delta R.T. 0.027 min

Lab File: BG054338.D

Acq: 20 Jul 2022 22:21

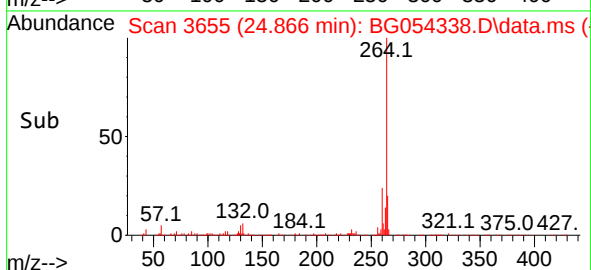
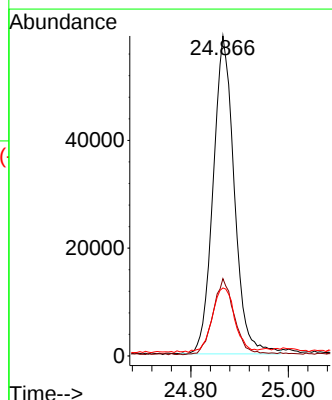
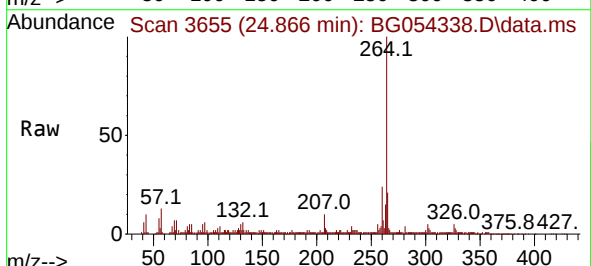
Tgt Ion:264 Resp: 177539

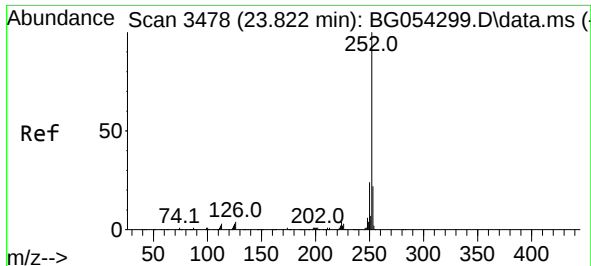
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.2 17.4 26.2

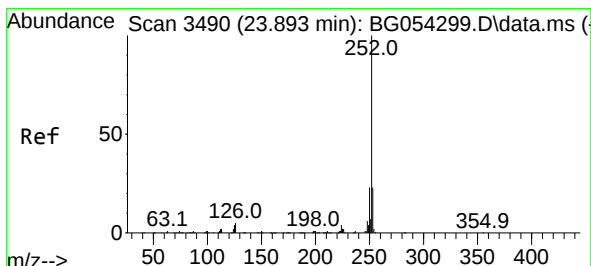
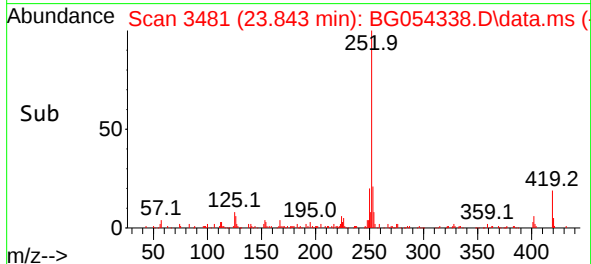
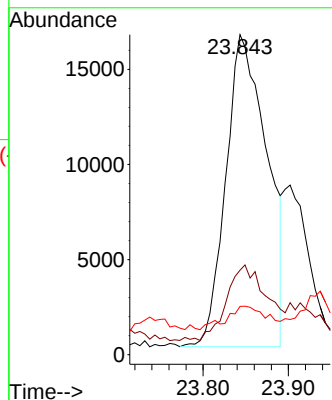
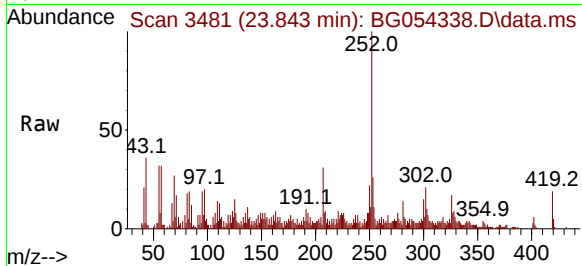




#88
Benzo(b)fluoranthene
Concen: 5.235 ng
RT: 23.843 min Scan# 3478
Delta R.T. 0.021 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

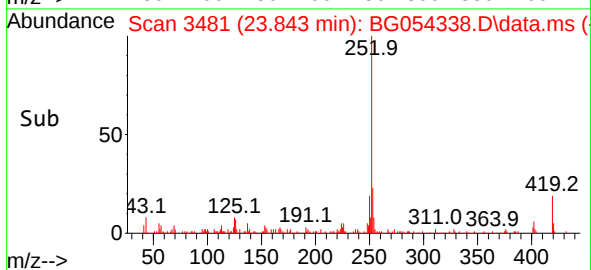
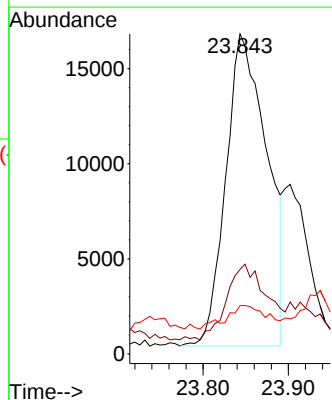
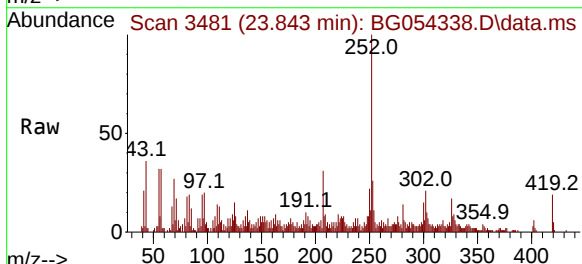
Instrument :
BNA_G
ClientSampleId :
BU-03-071922

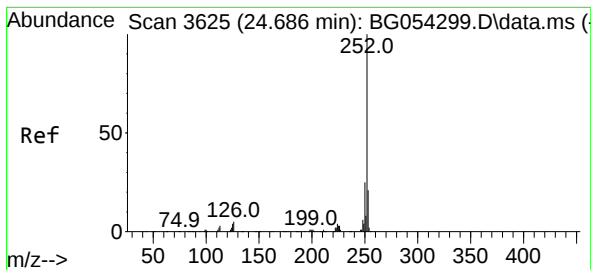
Tgt Ion:252 Resp: 54965
Ion Ratio Lower Upper
252 100
253 26.4 18.0 27.0
125 15.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 5.260 ng
RT: 23.843 min Scan# 3481
Delta R.T. -0.050 min
Lab File: BG054338.D
Acq: 20 Jul 2022 22:21

Tgt Ion:252 Resp: 54965
Ion Ratio Lower Upper
252 100
253 26.4 18.4 27.6
125 15.1 4.8 7.2#





#90

Benzo(a)pyrene

Concen: 4.059 ng

RT: 24.719 min Scan# 30

Delta R.T. 0.033 min

Lab File: BG054338.D

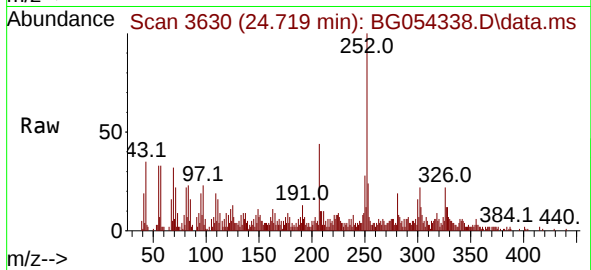
Acq: 20 Jul 2022 22:21

Instrument :

BNA_G

ClientSampleId :

BU-03-071922



Tgt Ion:252 Resp: 36393

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 13.4 4.3 6.5#

