

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054182.D
 Acq On : 30 Jun 2022 23:24
 Operator : CG/JU
 Sample : N3550-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022

Quant Time: Jul 01 04:06:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

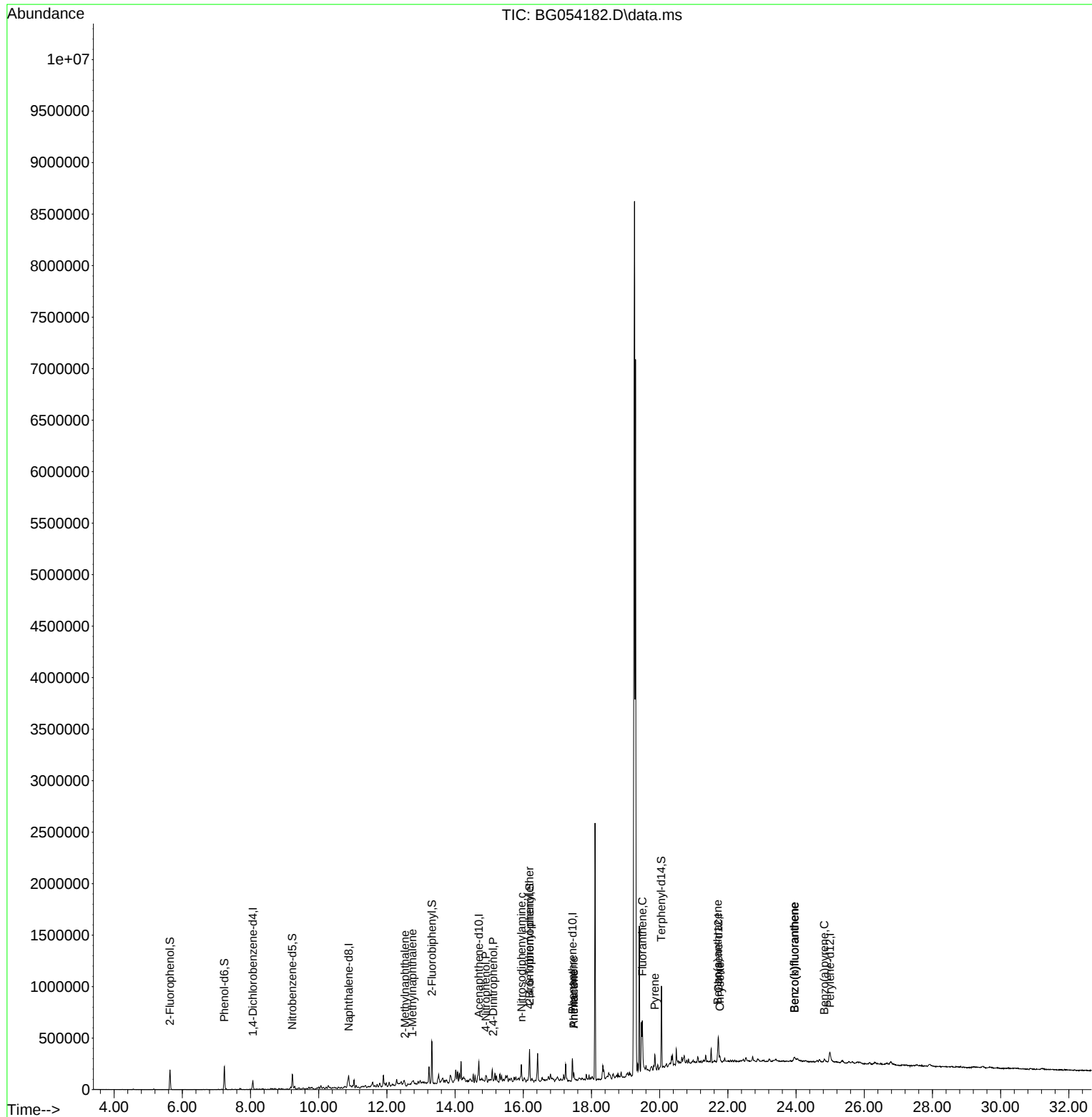
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	25346	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	96890	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	66080	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	150301	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	166131	20.000	ng	0.00
86) Perylene-d12	24.991	264	147671	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	91958	69.366	ng	0.00
7) Phenol-d6	7.236	99	133182	74.056	ng	0.00
23) Nitrobenzene-d5	9.228	82	93339	54.137	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	75703	71.304	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	248738	54.736	ng	0.00
79) Terphenyl-d14	20.050	244	455863	55.266	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.530	142	13254	3.662	ng	98
38) 1-Methylnaphthalene	12.747	142	13874	3.937	ng	# 86
54) 2,4-Dinitrophenol	15.121	184	122	7.249	ng	# 12
56) 4-Nitrophenol	14.897	139	3339	4.774	ng	# 53
66) n-Nitrosodiphenylamine	15.949	169	15399	3.931	ng	# 49
67) 4-Bromophenyl-phenylether	16.178	248	4679	2.493	ng	# 1
71) Phenanthrene	17.483	178	50808	6.580	ng	96
72) Anthracene	17.483	178	50808	6.738	ng	99
75) Fluoranthene	19.492	202	80334	7.925	ng	92
78) Pyrene	19.856	202	104246	10.389	ng	97
81) Benzo(a)anthracene	21.701	228	54123	5.032	ng	# 89
83) Chrysene	21.766	228	53052	5.174	ng	# 85
88) Benzo(b)fluoranthene	23.957	252	53929	6.006	ng	# 77
89) Benzo(k)fluoranthene	23.957	252	53929	6.066	ng	# 78
90) Benzo(a)pyrene	24.827	252	41009	5.413	ng	# 84

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

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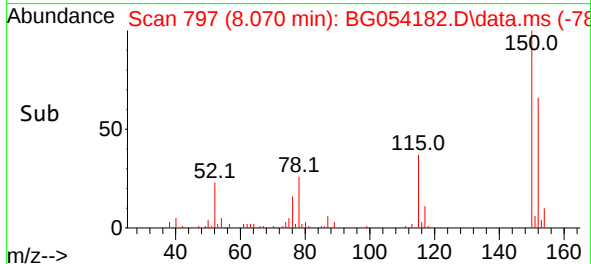
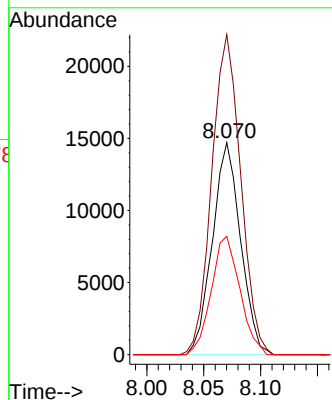
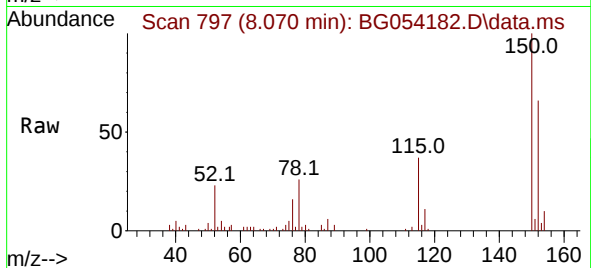




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

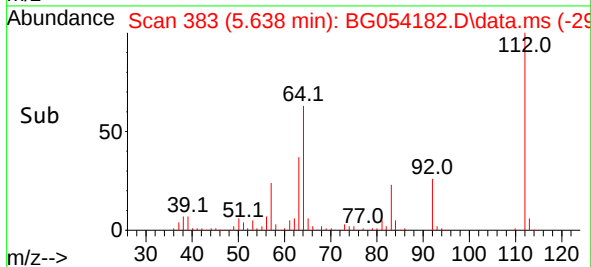
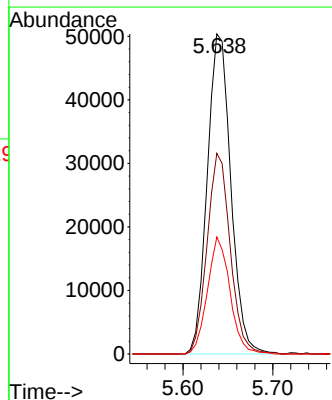
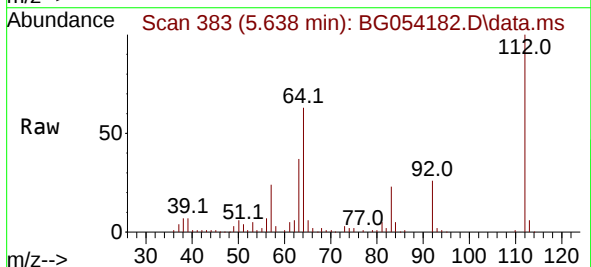
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

Tgt Ion:152 Resp: 25346
Ion Ratio Lower Upper
152 100
150 150.9 131.6 197.4
115 55.9 50.9 76.3



#5
2-Fluorophenol
Concen: 69.366 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:112 Resp: 91958
Ion Ratio Lower Upper
112 100
64 62.7 55.1 82.7
63 36.6 30.4 45.6

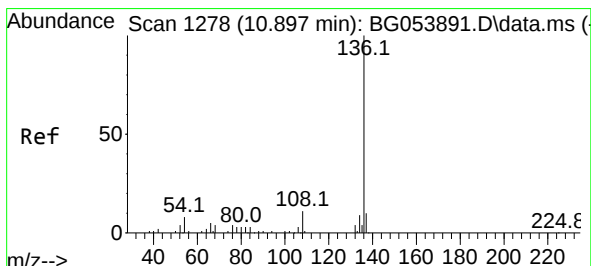
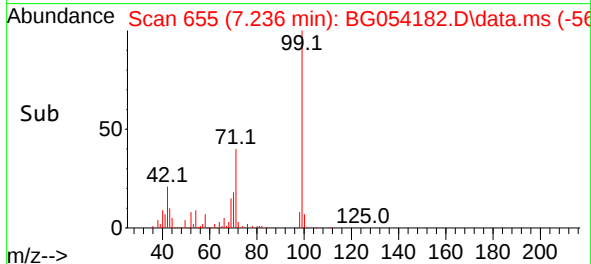
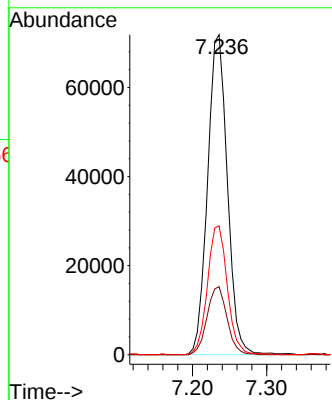
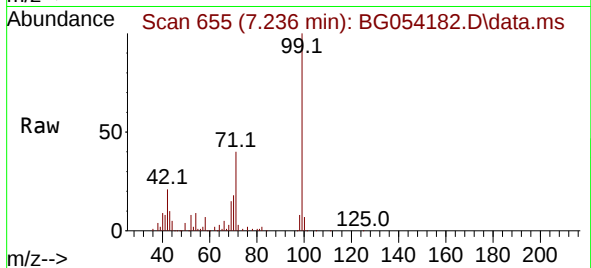




#7
Phenol-d6
Concen: 74.056 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

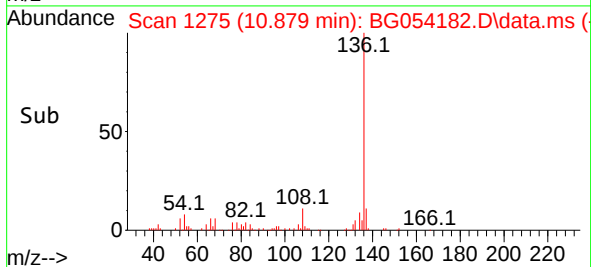
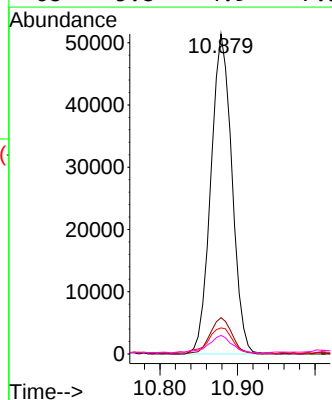
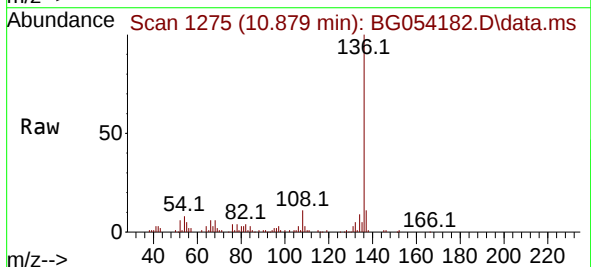
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

Tgt Ion: 99 Resp: 133182
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 40.3 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:136 Resp: 96890
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 8.1 7.4 11.2
68 5.8 4.9 7.3

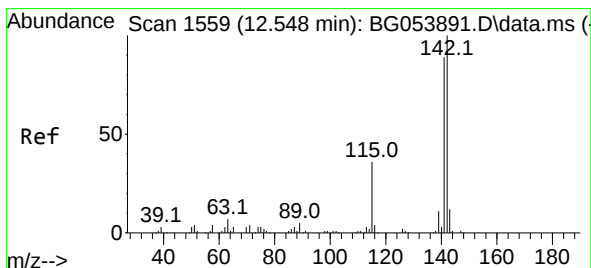
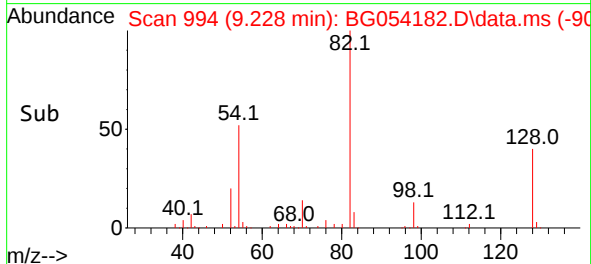
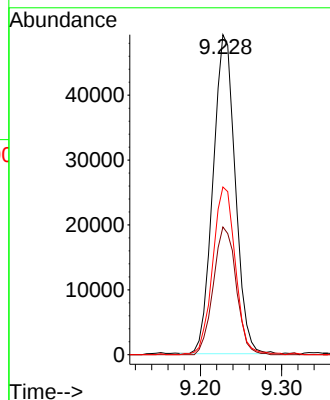
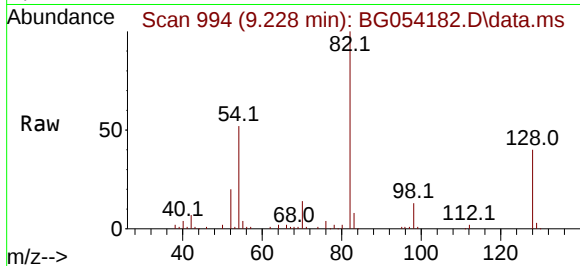




#23
Nitrobenzene-d5
Concen: 54.137 ng
RT: 9.228 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

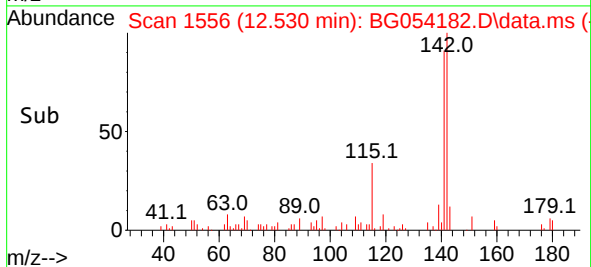
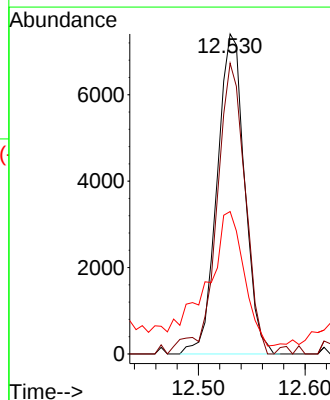
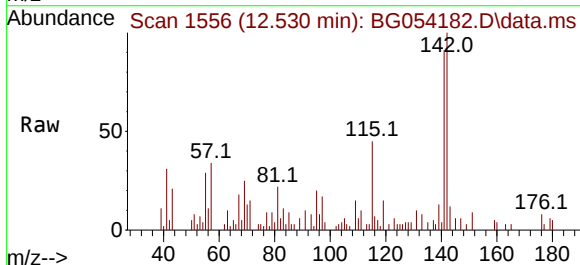
Instrument :
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ClientSampleId :
HR-03-06292022

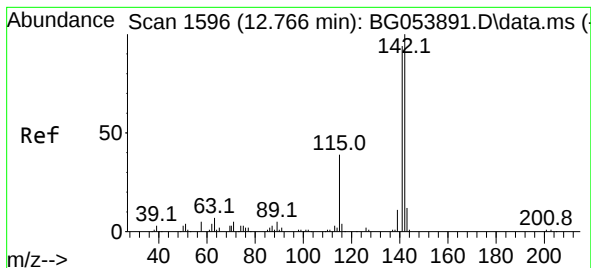
Tgt Ion: 82 Resp: 93339
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 52.4 41.2 61.8



#37
2-Methylnaphthalene
Concen: 3.662 ng
RT: 12.530 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion: 142 Resp: 13254
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5
115 44.5 33.7 50.5





#38

1-Methylnaphthalene

Concen: 3.937 ng

RT: 12.747 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

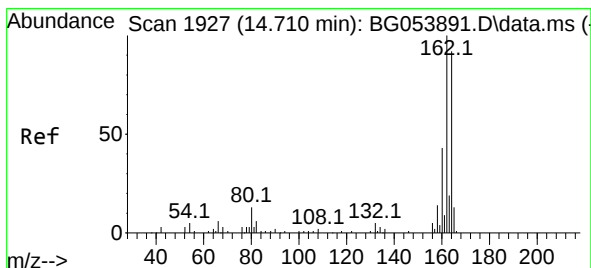
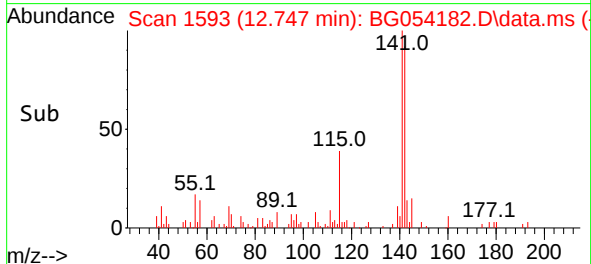
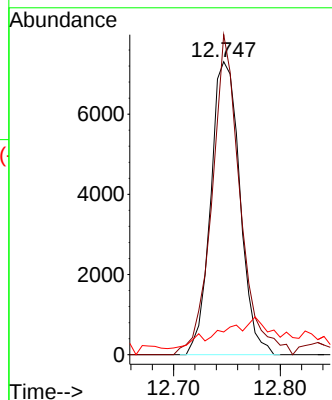
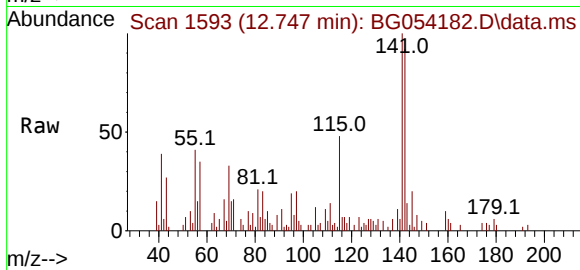
Tgt Ion:142 Resp: 13874

Ion Ratio Lower Upper

142 100

141 109.2 76.4 114.6

116 7.8 3.3 4.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.698 min Scan# 1925

Delta R.T. -0.000 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

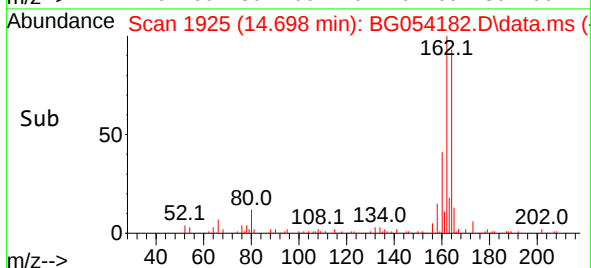
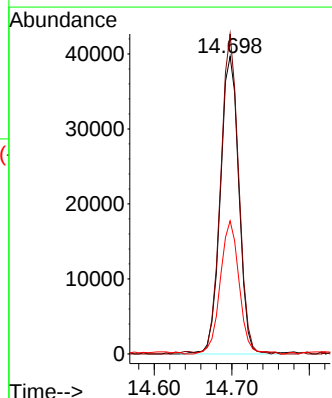
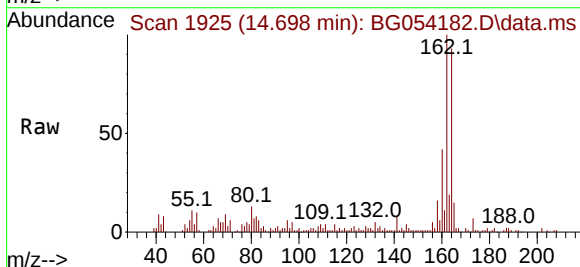
Tgt Ion:164 Resp: 66080

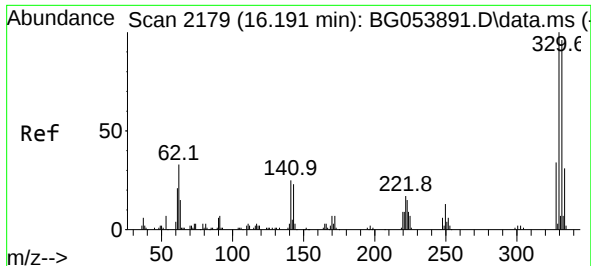
Ion Ratio Lower Upper

164 100

162 107.5 82.3 123.5

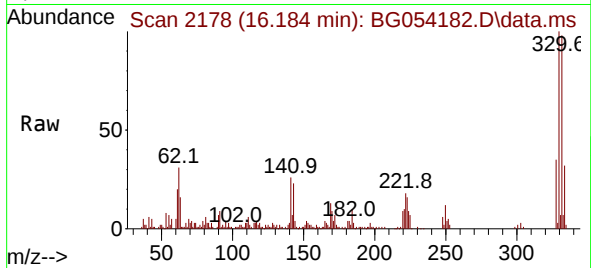
160 44.7 34.2 51.2



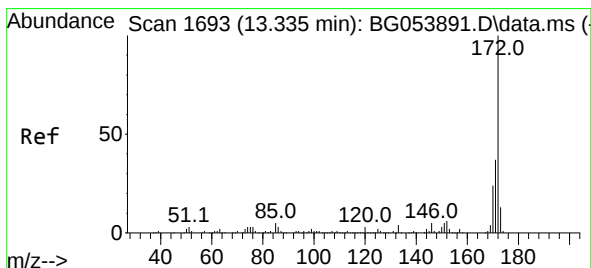
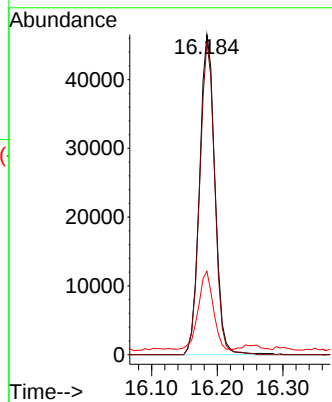
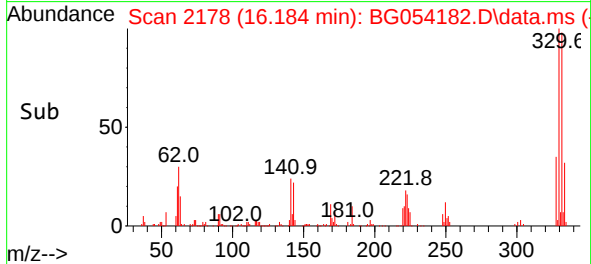


#42
2,4,6-Tribromophenol
Concen: 71.304 ng
RT: 16.184 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

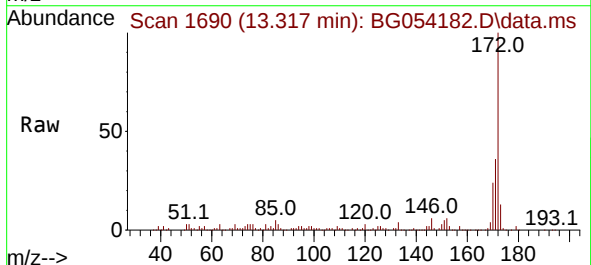
Instrument :
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ClientSampleId :
HR-03-06292022



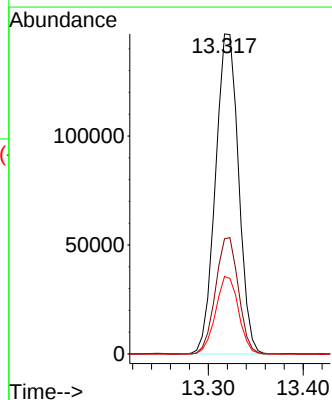
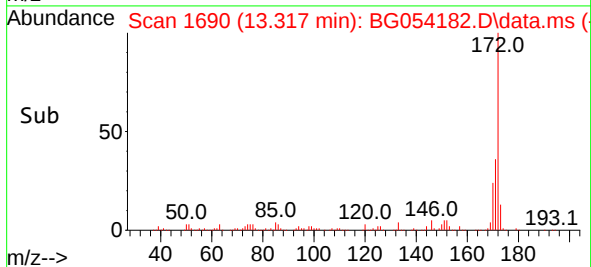
Tgt Ion:330 Resp: 75703
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 24.2 27.1 40.7#

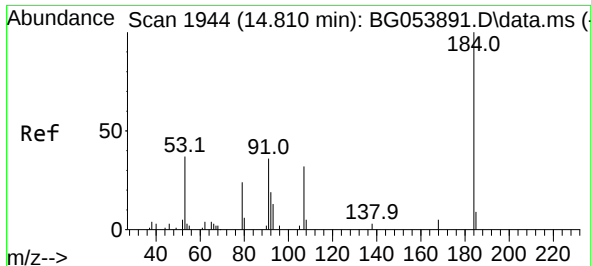


#45
2-Fluorobiphenyl
Concen: 54.736 ng
RT: 13.317 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24



Tgt Ion:172 Resp: 248738
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.2 18.9 28.3

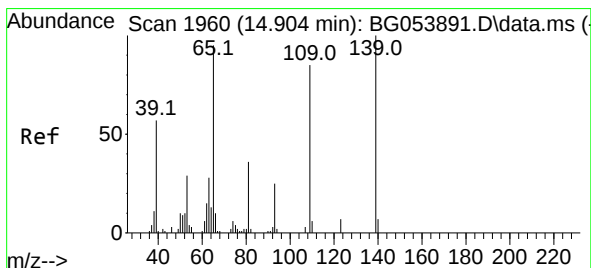
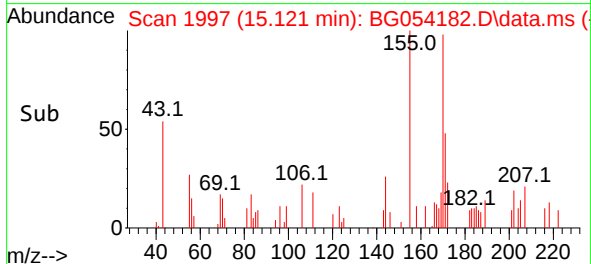
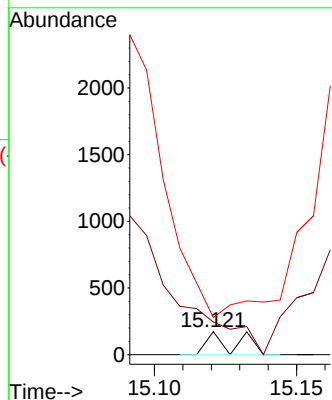
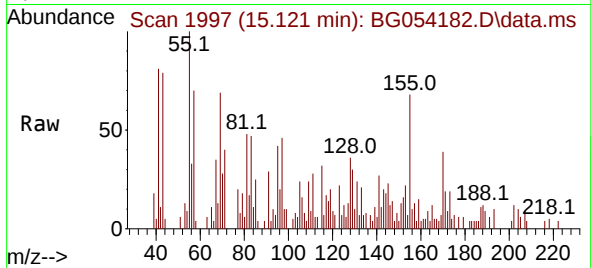




#54
2,4-Dinitrophenol
Concen: 7.249 ng
RT: 15.121 min Scan# 1944
Delta R.T. 0.317 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

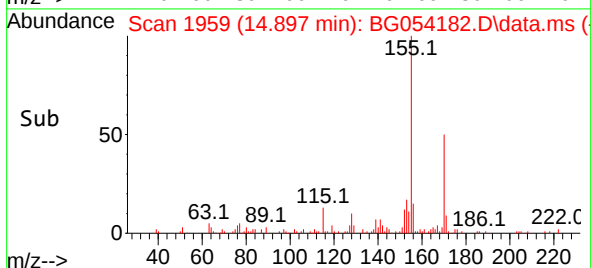
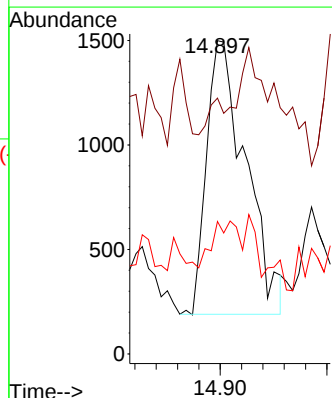
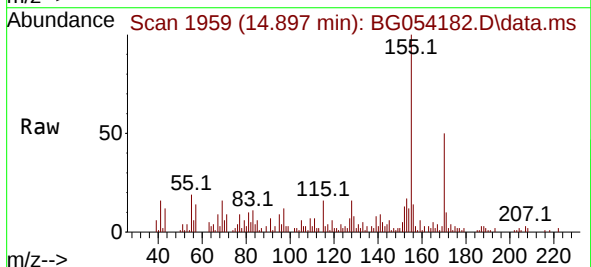
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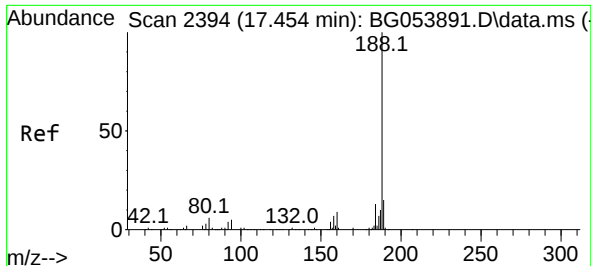
Tgt Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
63 141.6 61.1 91.7#
154 161.3 60.6 91.0#



#56
4-Nitrophenol
Concen: 4.774 ng
RT: 14.897 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:139 Resp: 3339
Ion Ratio Lower Upper
139 100
109 81.7 88.5 128.5#
65 42.3 93.9 133.9#

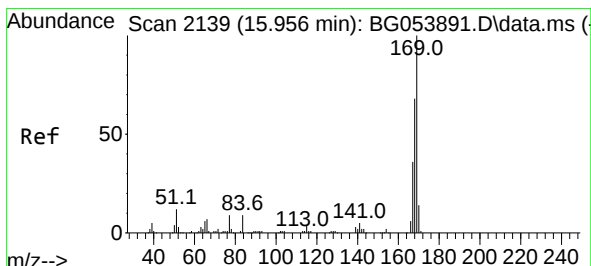
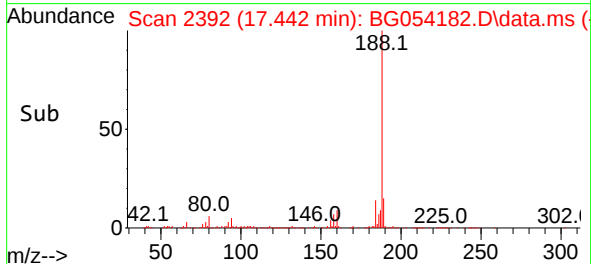
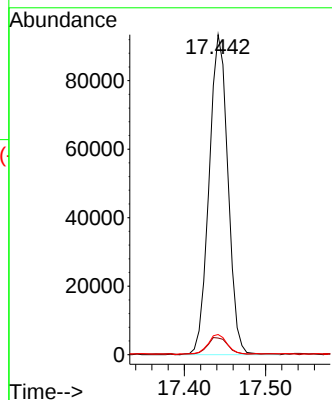
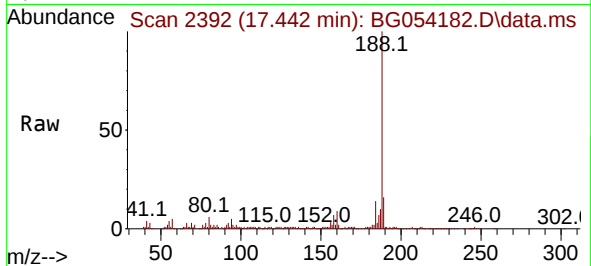




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

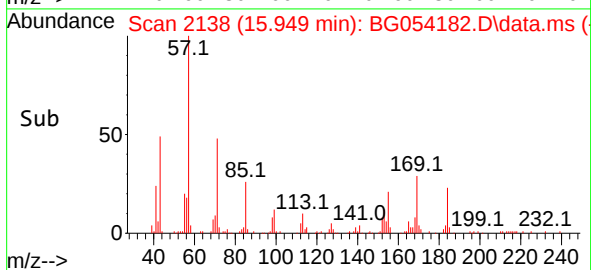
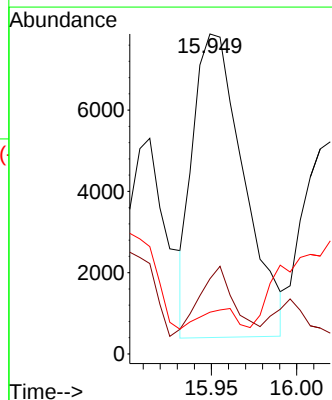
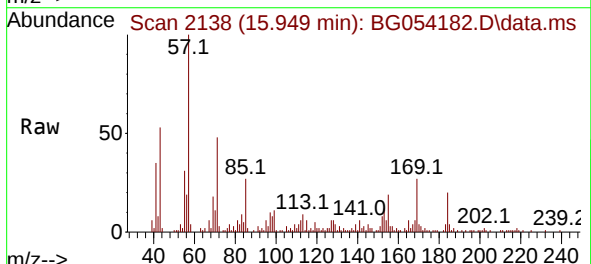
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

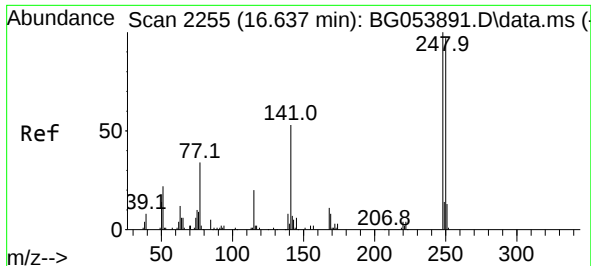
Tgt Ion:188 Resp: 150301
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 6.3 6.8 10.2#



#66
n-Nitrosodiphenylamine
Concen: 3.931 ng
RT: 15.949 min Scan# 2138
Delta R.T. 0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:169 Resp: 15399
Ion Ratio Lower Upper
169 100
168 23.5 55.9 83.9#
167 13.0 30.6 46.0#

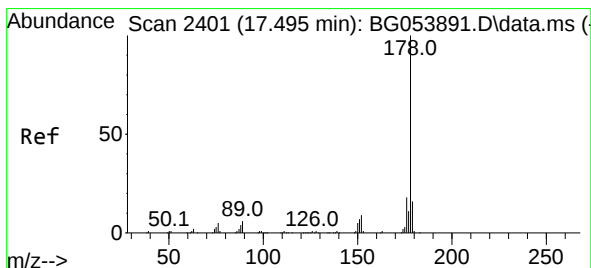
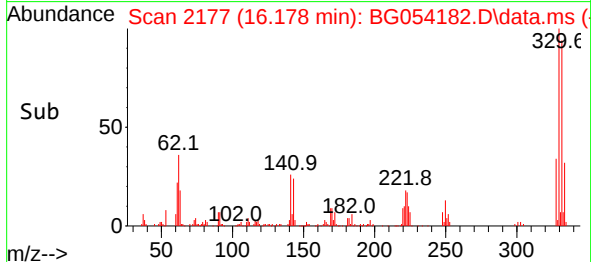
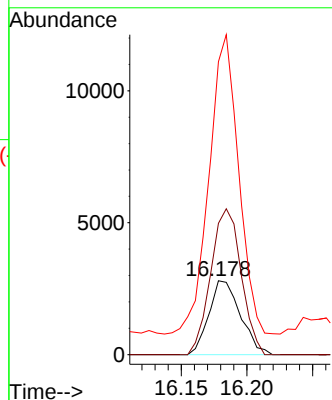
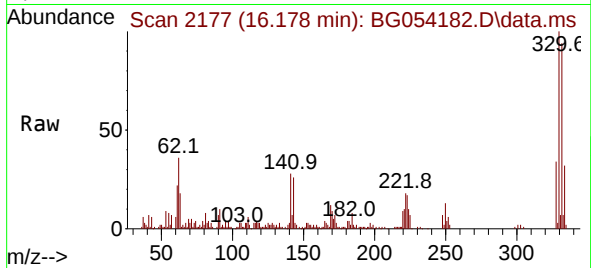




#67
4-Bromophenyl-phenylether
Concen: 2.493 ng
RT: 16.178 min Scan# 2177
Delta R.T. -0.447 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

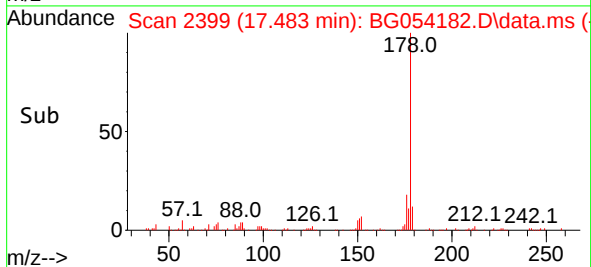
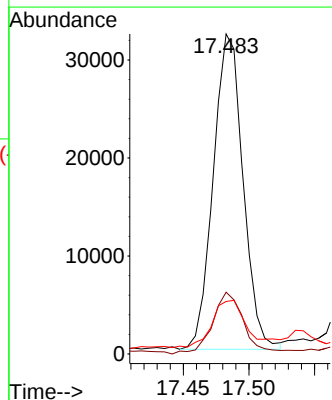
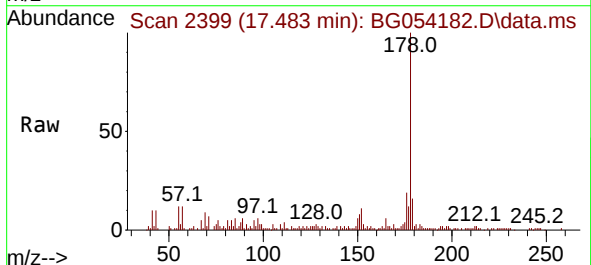
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

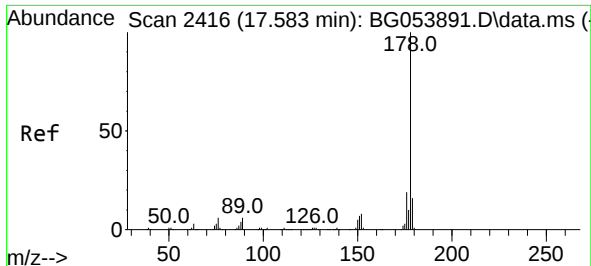
Tgt Ion:248 Resp: 4679
Ion Ratio Lower Upper
248 100
250 236.6 75.2 112.8#
141 396.5 50.0 75.0#



#71
Phenanthrene
Concen: 6.580 ng
RT: 17.483 min Scan# 2399
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:178 Resp: 50808
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.4 12.1 18.1

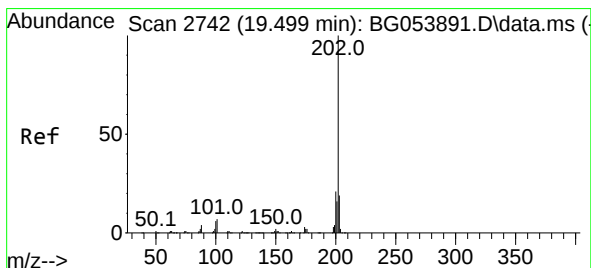
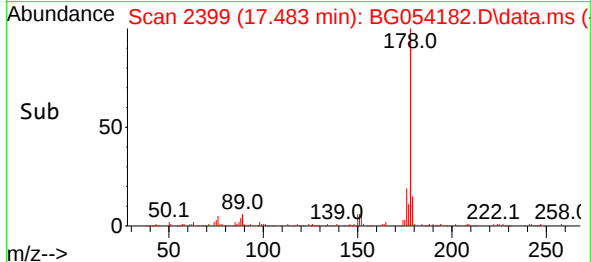
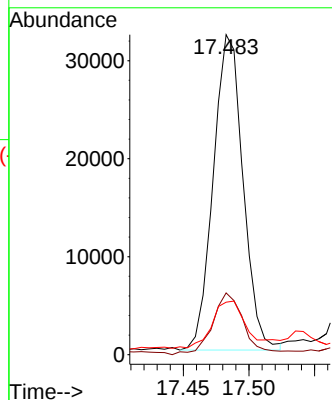
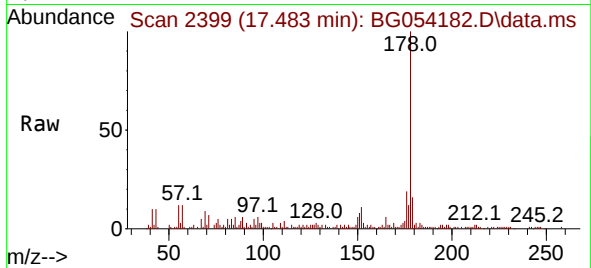




#72
 Anthracene
 Concen: 6.738 ng
 RT: 17.483 min Scan# 21
 Delta R.T. -0.094 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

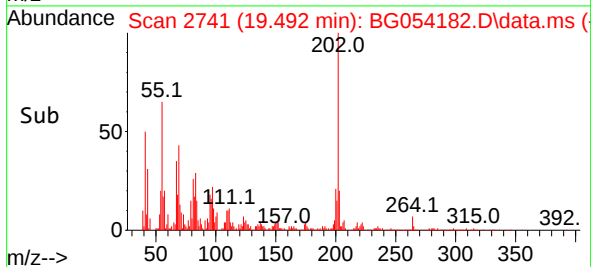
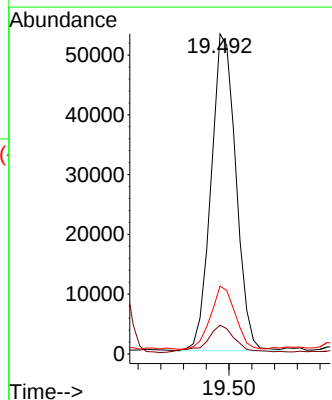
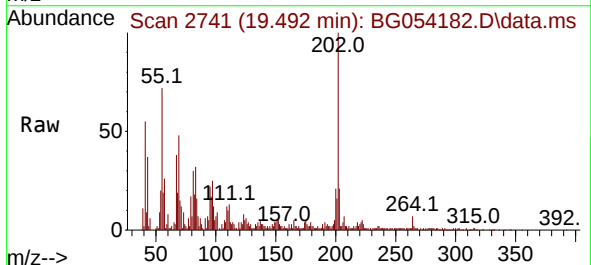
Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022

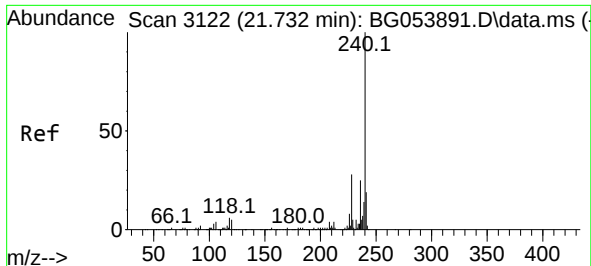
Tgt Ion:178 Resp: 50808
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.2 22.8
 179 16.4 13.0 19.4



#75
 Fluoranthene
 Concen: 7.925 ng
 RT: 19.492 min Scan# 2741
 Delta R.T. -0.000 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

Tgt Ion:202 Resp: 80334
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 26.9
 203 21.2 0.0 37.2

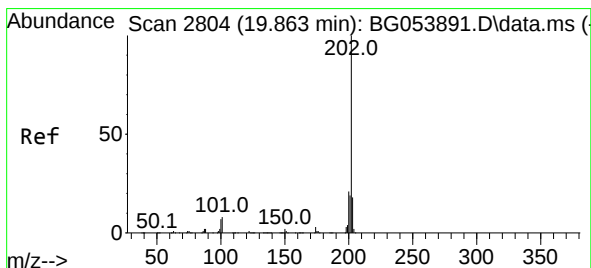
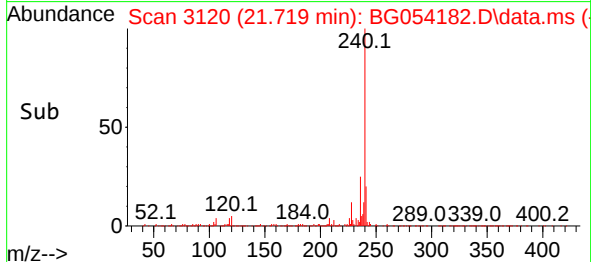
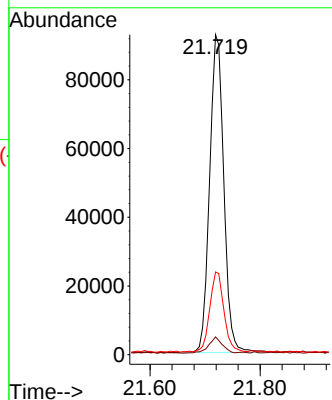
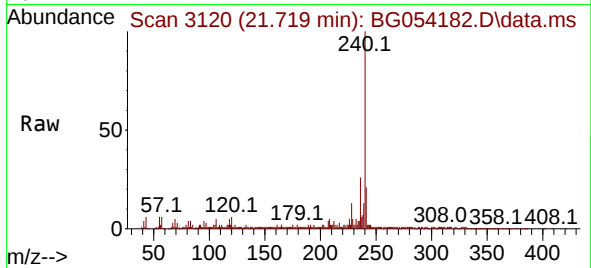




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

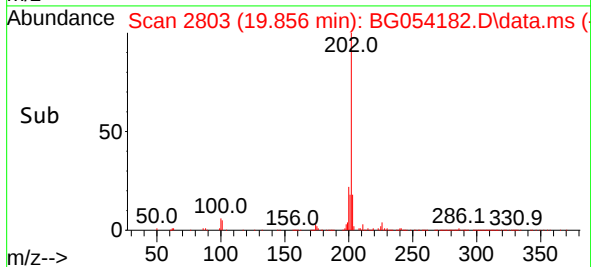
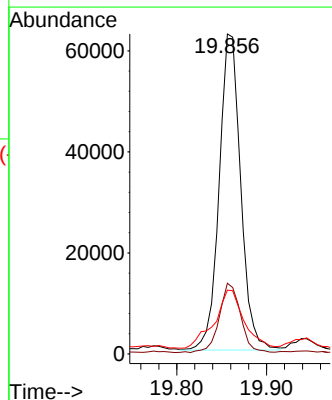
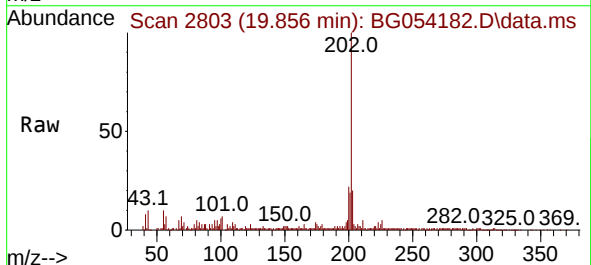
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

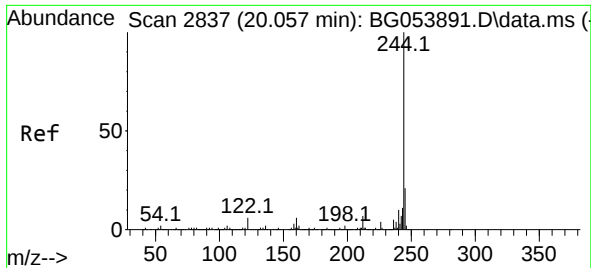
Tgt Ion:240 Resp: 166131
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 25.8 20.2 30.4



#78
Pyrene
Concen: 10.389 ng
RT: 19.856 min Scan# 2803
Delta R.T. 0.006 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

Tgt Ion:202 Resp: 104246
Ion Ratio Lower Upper
202 100
200 22.1 16.6 24.8
203 20.0 14.6 21.8

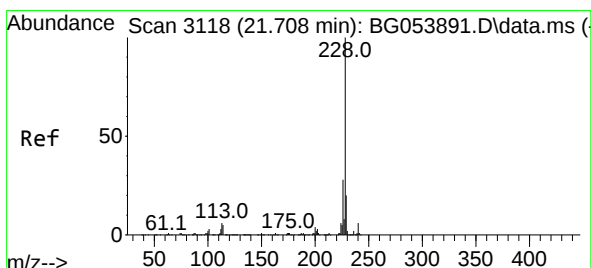
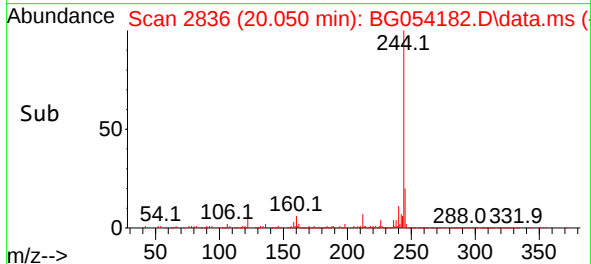
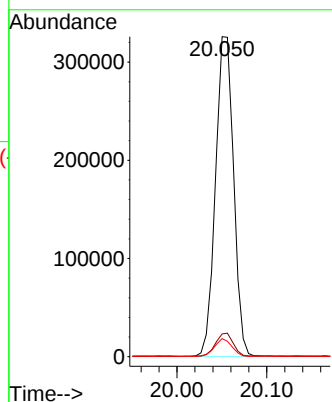
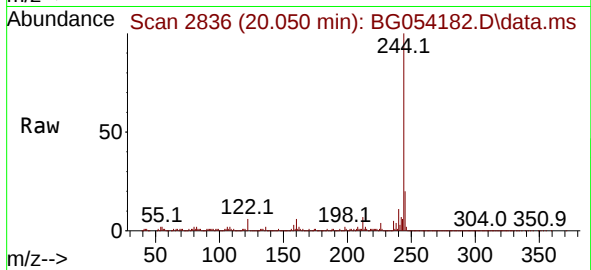




#79
 Terphenyl-d14
 Concen: 55.266 ng
 RT: 20.050 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

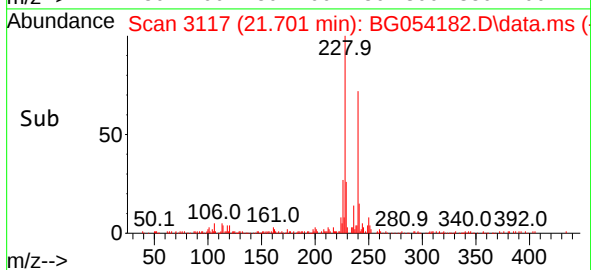
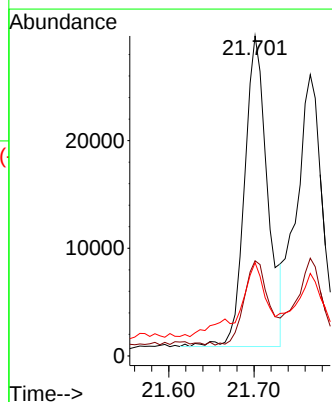
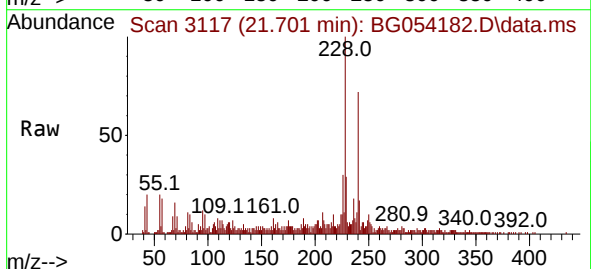
Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022

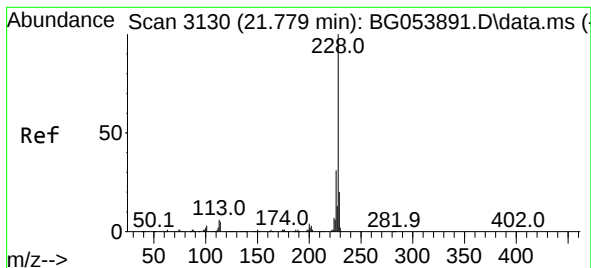
Tgt Ion:244 Resp: 455863
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 5.7 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 5.032 ng
 RT: 21.701 min Scan# 3117
 Delta R.T. 0.006 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

Tgt Ion:228 Resp: 54123
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.6 32.4
 229 29.1 16.2 24.2#





#83

Chrysene

Concen: 5.174 ng

RT: 21.766 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

Instrument :

BNA_G

ClientSampleId :

HR-03-06292022

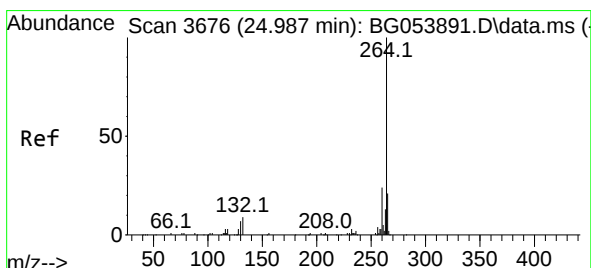
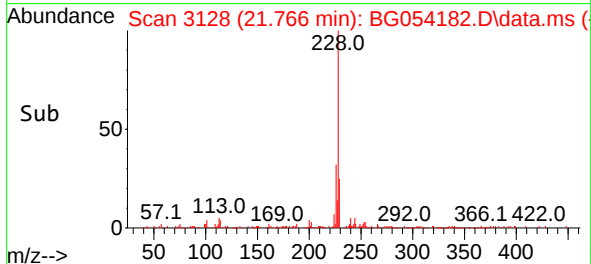
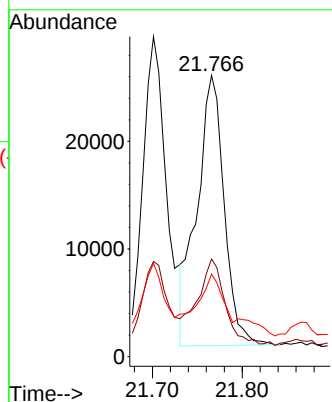
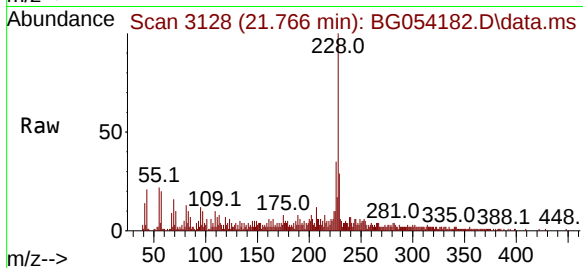
Tgt Ion:228 Resp: 53052

Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.2

229 29.3 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.991 min Scan# 3677

Delta R.T. 0.029 min

Lab File: BG054182.D

Acq: 30 Jun 2022 23:24

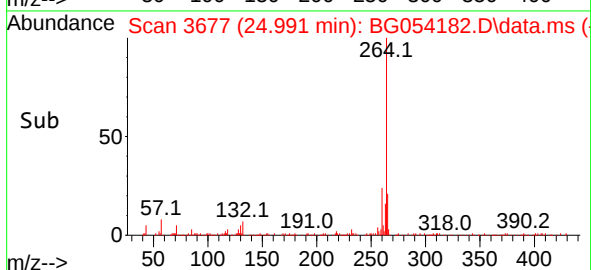
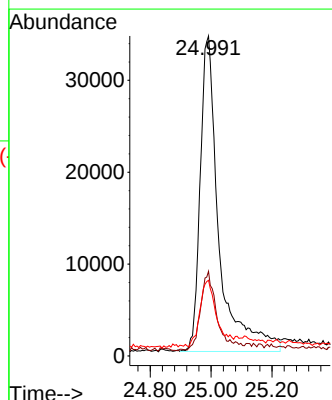
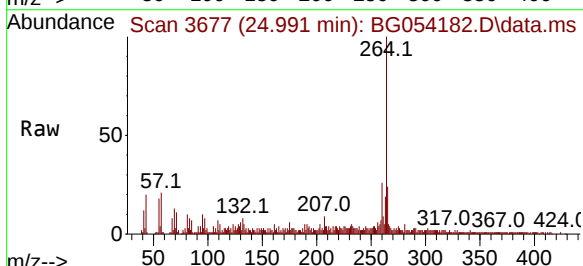
Tgt Ion:264 Resp: 147671

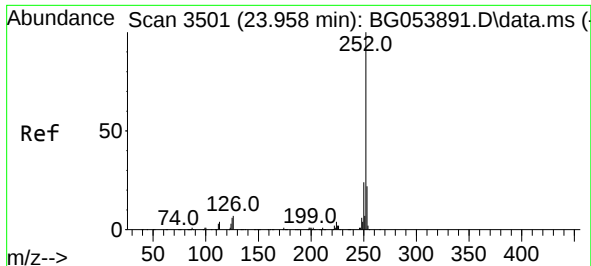
Ion Ratio Lower Upper

264 100

260 26.4 19.0 28.6

265 23.6 17.4 26.2

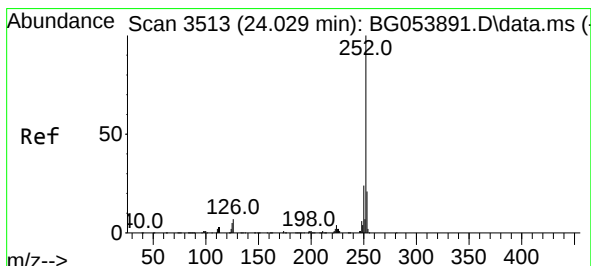
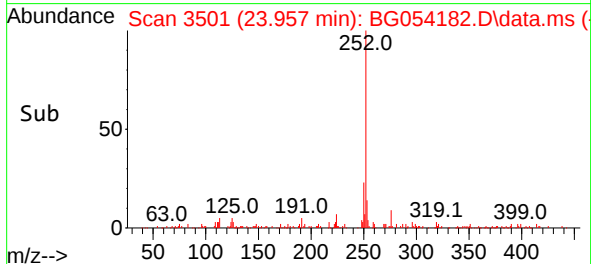
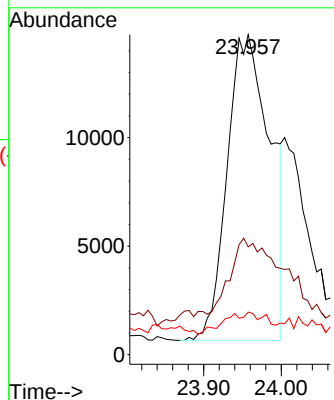
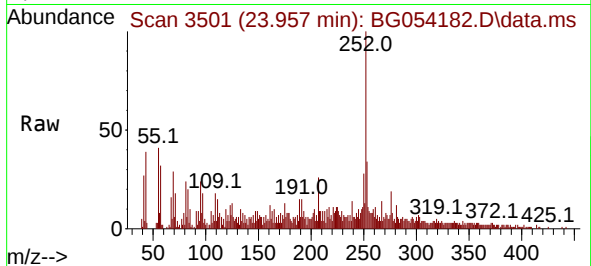




#88
Benzo(b)fluoranthene
Concen: 6.006 ng
RT: 23.957 min Scan# 3501
Delta R.T. 0.023 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

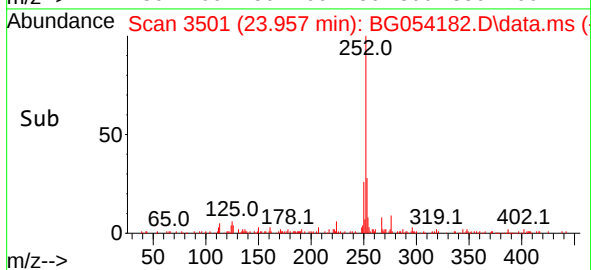
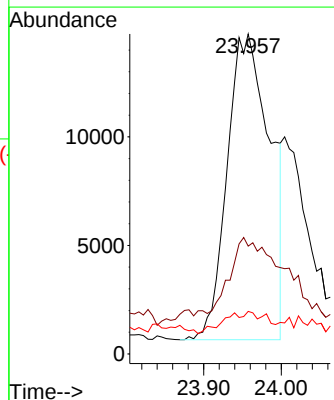
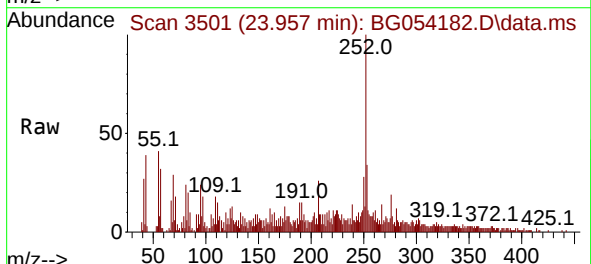
Instrument :
BNA_G
ClientSampleId :
HR-03-06292022

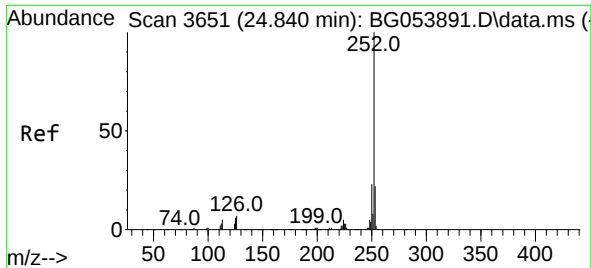
Tgt Ion:252 Resp: 53929
Ion Ratio Lower Upper
252 100
253 33.7 18.0 27.0#
125 13.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 6.066 ng
RT: 23.957 min Scan# 3501
Delta R.T. -0.047 min
Lab File: BG054182.D
Acq: 30 Jun 2022 23:24

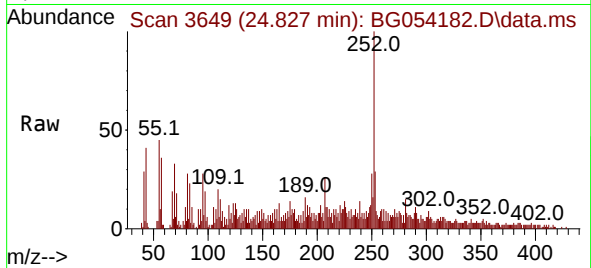
Tgt Ion:252 Resp: 53929
Ion Ratio Lower Upper
252 100
253 33.7 18.4 27.6#
125 13.3 4.8 7.2#





#90
 Benzo(a)pyrene
 Concen: 5.413 ng
 RT: 24.827 min Scan# 30
 Delta R.T. 0.012 min
 Lab File: BG054182.D
 Acq: 30 Jun 2022 23:24

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-06292022



Tgt Ion:252 Resp: 41009
 Ion Ratio Lower Upper
 252 100
 253 29.2 17.8 26.8#
 125 12.9 4.3 6.5#

