

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054576.D
 Acq On : 9 Aug 2022 19:22
 Operator : CG/JU
 Sample : N3961-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-183

Quant Time: Aug 10 07:14:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

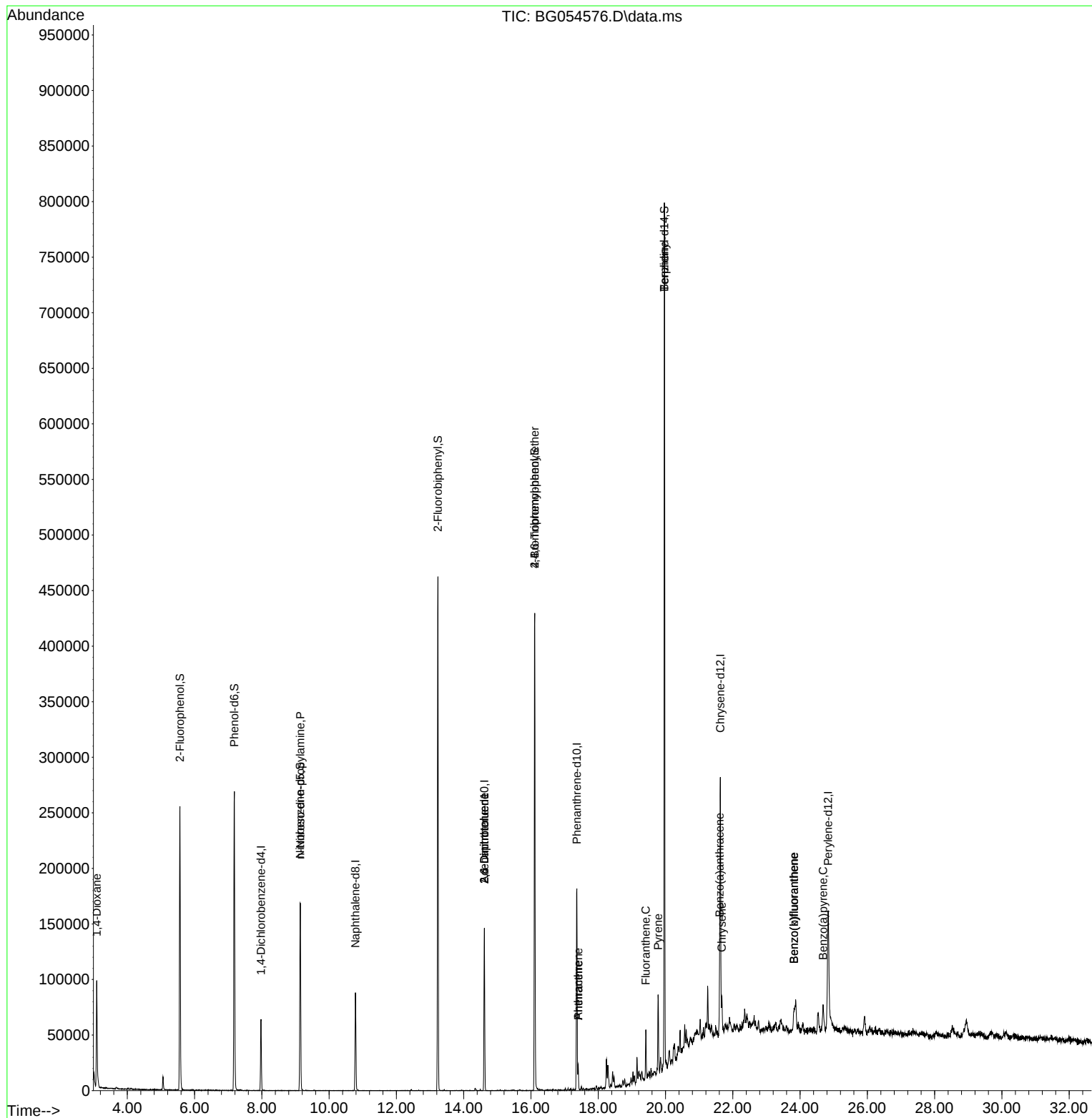
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	20412	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	80651	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	57221	20.000	ng	0.00
64) Phenanthrene-d10	17.364	188	137993	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	151487	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	156638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.566	112	120849	123.613	ng	0.00
7) Phenol-d6	7.182	99	160206	119.592	ng	0.00
23) Nitrobenzene-d5	9.139	82	107188	72.375	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	119792	99.708	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	270146	66.600	ng	0.00
79) Terphenyl-d14	19.967	244	441700	57.843	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.093	88	1059	2.723	ng	# 1
9) Benzaldehyde	7.170	77	172	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.144	70	14981	16.747	ng	# 82
51) 2,6-Dinitrotoluene	14.615	165	8157	8.321	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	8157	5.804	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7129	3.678	ng	# 1
71) Phenanthrene	17.405	178	17223	2.506	ng	98
72) Anthracene	17.405	178	17223	2.554	ng	97
75) Fluoranthene	19.415	202	29201	3.117	ng	97
77) Benzidine	19.967	184	5810	2.118	ng	# 90
78) Pyrene	19.779	202	48189	5.544	ng	99
81) Benzo(a)anthracene	21.606	228	25060	2.606	ng	98
83) Chrysene	21.677	228	27059	2.978	ng	94
88) Benzo(b)fluoranthene	23.821	252	42226	4.558	ng	97
89) Benzo(k)fluoranthene	23.821	252	42226	4.580	ng	96
90) Benzo(a)pyrene	24.685	252	25750	3.255	ng	# 99

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

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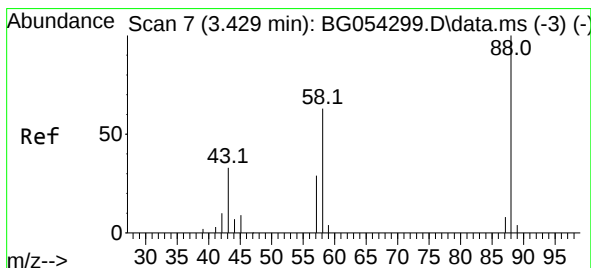
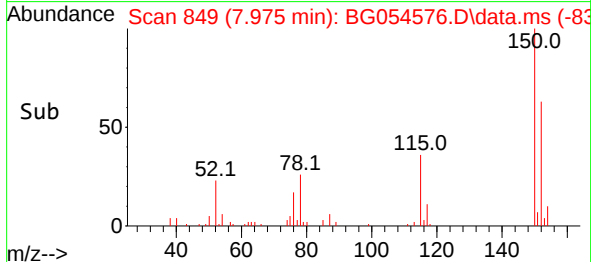
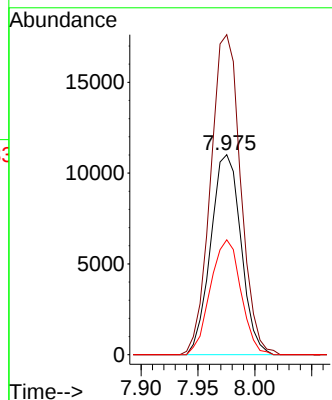
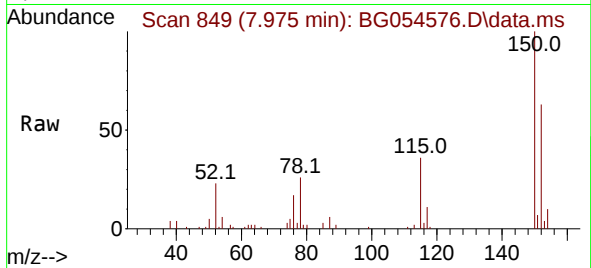




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.975 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

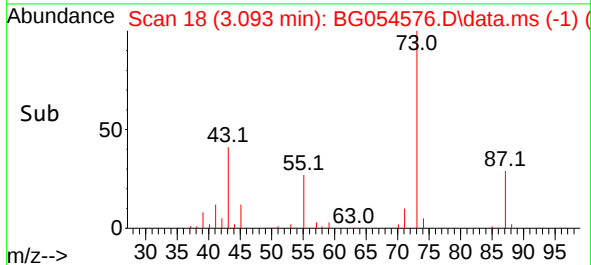
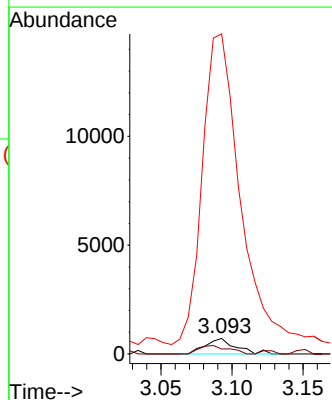
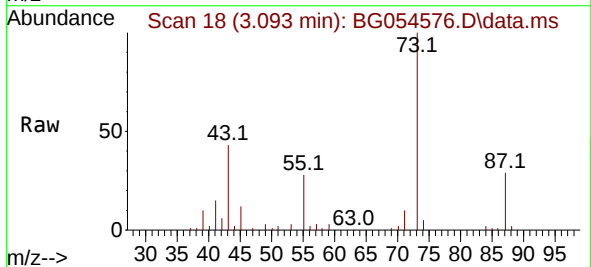
Instrument :
 BNA_G
 ClientSampleId :
 RVE-183

Tgt Ion:152 Resp: 20412
 Ion Ratio Lower Upper
 152 100
 150 160.0 131.6 197.4
 115 57.5 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.723 ng
 RT: 3.093 min Scan# 18
 Delta R.T. -0.303 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

Tgt Ion: 88 Resp: 1059
 Ion Ratio Lower Upper
 88 100
 58 52.5 59.2 88.8#
 43 2587.4 24.3 36.5#

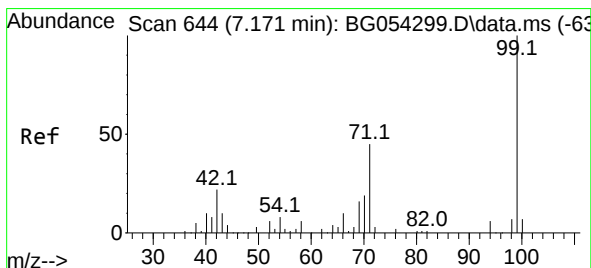
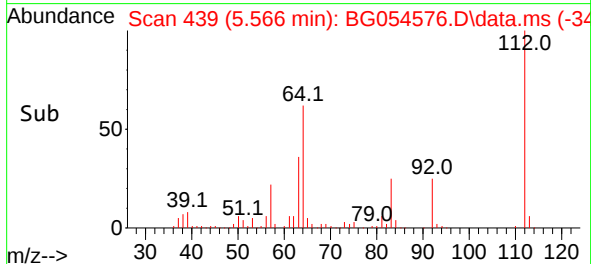
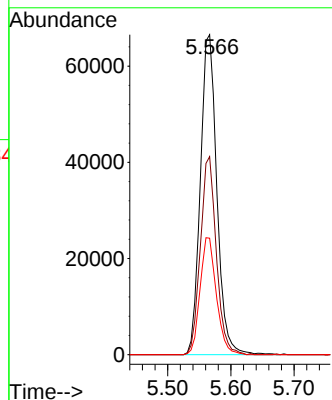
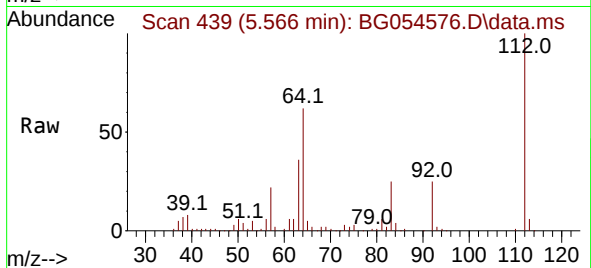




#5
2-Fluorophenol
Concen: 123.613 ng
RT: 5.566 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

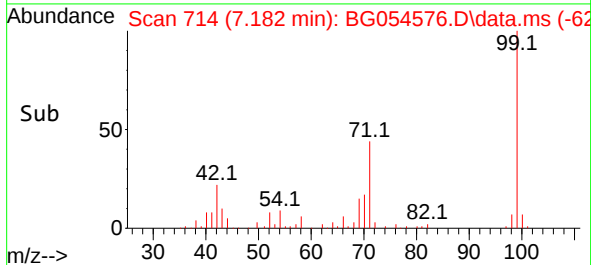
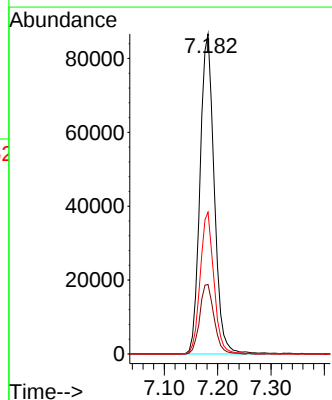
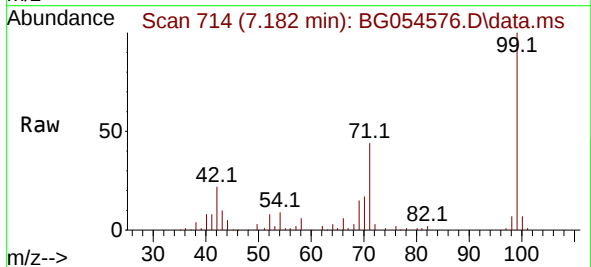
Instrument :
BNA_G
ClientSampleId :
RVE-183

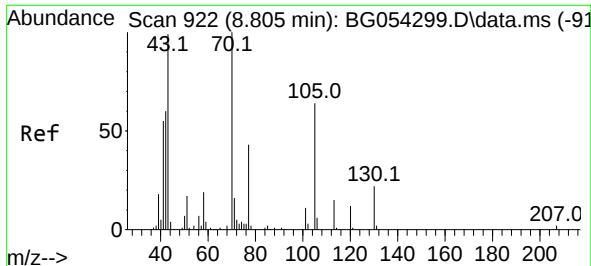
Tgt Ion:112 Resp: 120849
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 36.4 30.4 45.6



#7
Phenol-d6
Concen: 119.592 ng
RT: 7.182 min Scan# 714
Delta R.T. 0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion: 99 Resp: 160206
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 44.3 33.8 50.8

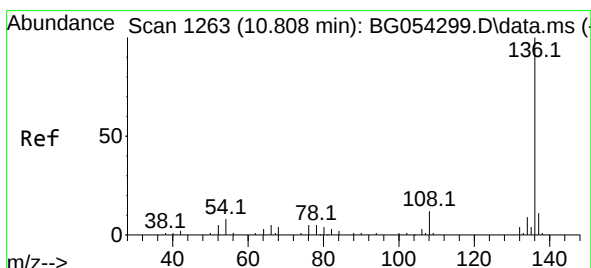
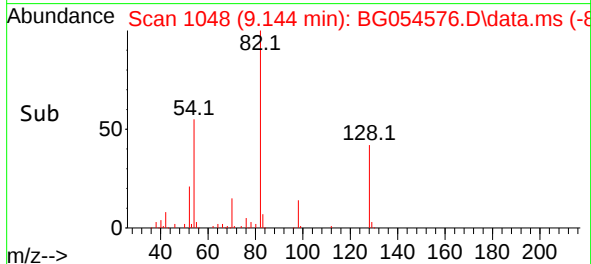
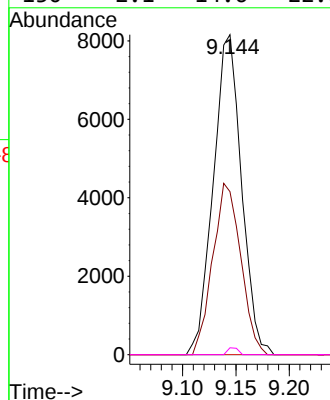
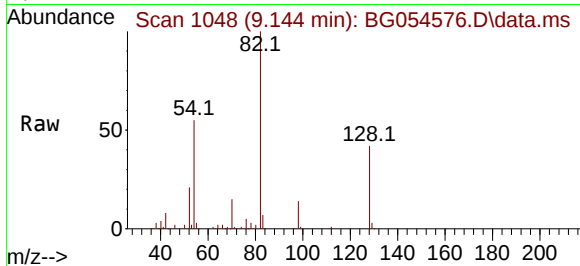




#19
n-Nitroso-di-n-propylamine
Concen: 16.747 ng
RT: 9.144 min Scan# 1048
Delta R.T. 0.361 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

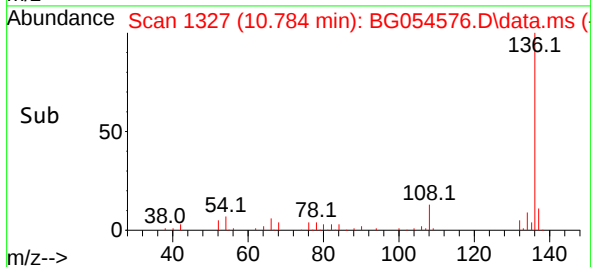
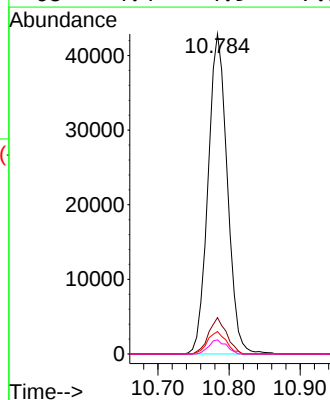
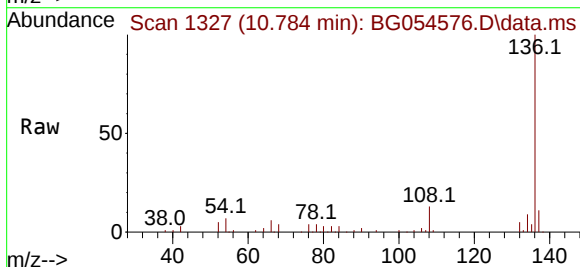
Instrument :
BNA_G
ClientSampleId :
RVE-183

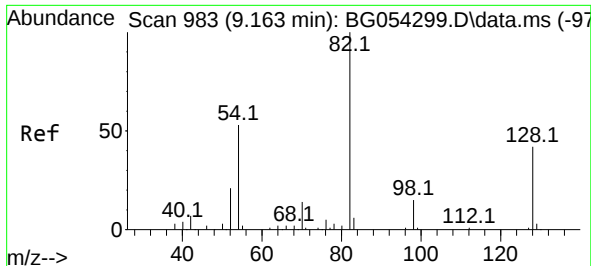
Tgt Ion:	70	Resp:	14981
Ion	Ratio	Lower	Upper
70	100		
42	50.9	47.3	70.9
101	0.0	7.0	10.4#
130	2.1	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 1327
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:	136	Resp:	80651
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	7.0	7.4	11.2#
68	4.4	4.9	7.3#

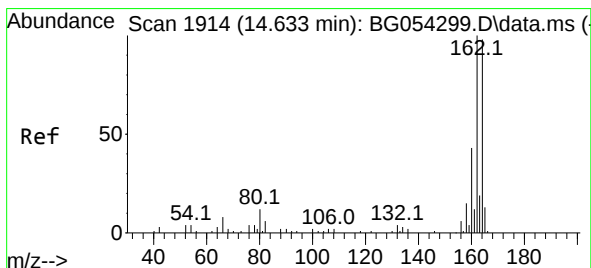
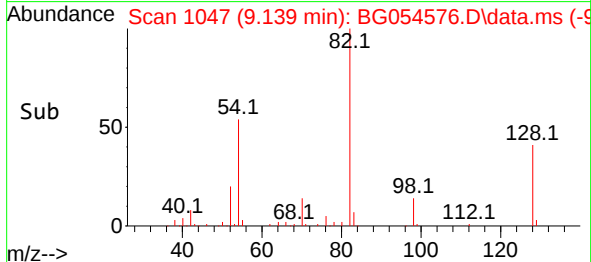
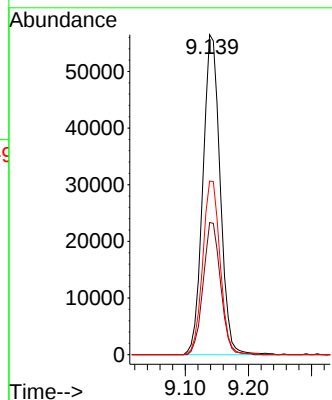
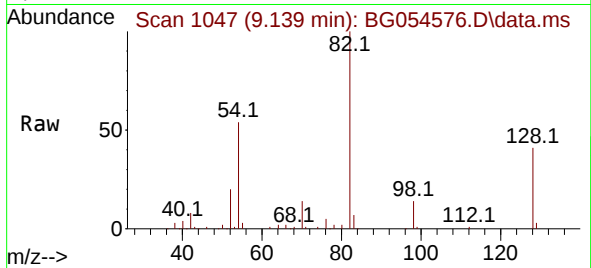




#23
 Nitrobenzene-d5
 Concen: 72.375 ng
 RT: 9.139 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

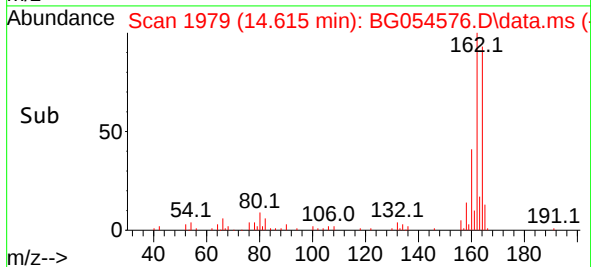
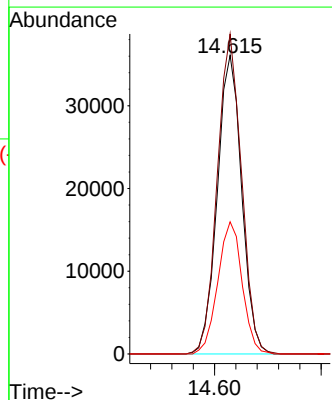
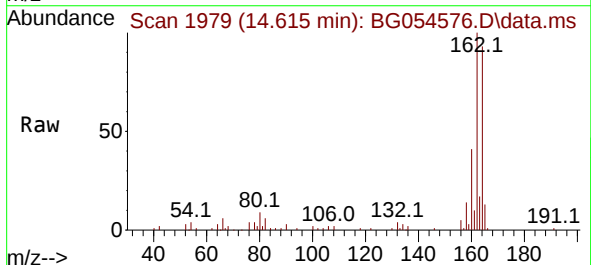
Instrument :
 BNA_G
 ClientSampleId :
 RVE-183

Tgt Ion: 82 Resp: 107188
 Ion Ratio Lower Upper
 82 100
 128 41.3 27.9 41.9
 54 54.3 41.2 61.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.615 min Scan# 1979
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

Tgt Ion:164 Resp: 57221
 Ion Ratio Lower Upper
 164 100
 162 107.1 82.3 123.5
 160 44.3 34.2 51.2

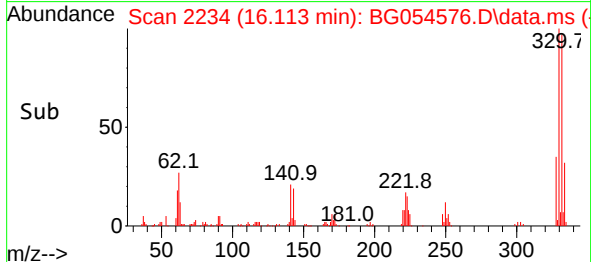
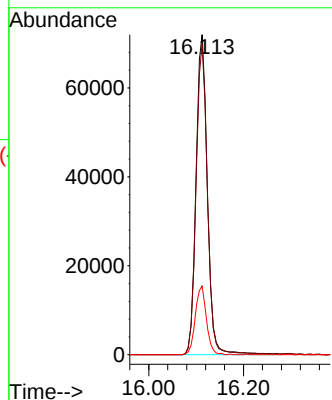
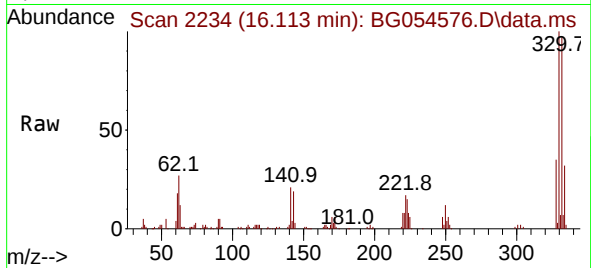




#42
 2,4,6-Tribromophenol
 Concen: 99.708 ng
 RT: 16.113 min Scan# 2168
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

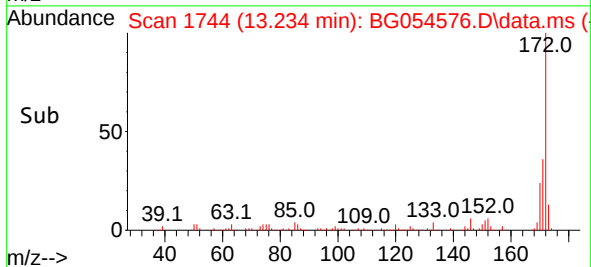
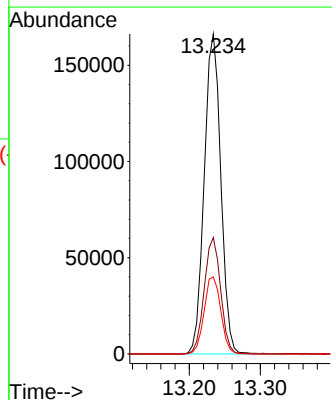
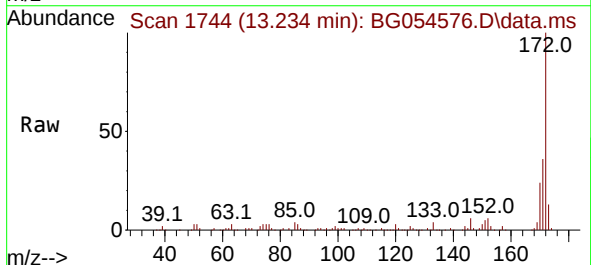
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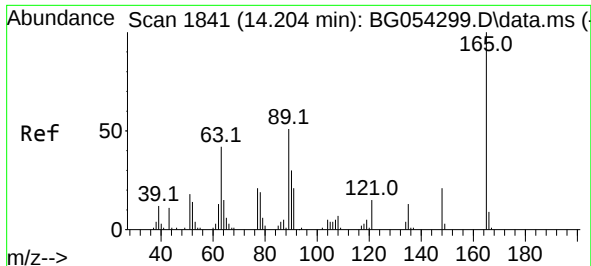
Tgt Ion:330 Resp: 119792
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.0 114.0
 141 20.9 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 66.600 ng
 RT: 13.234 min Scan# 1744
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

Tgt Ion:172 Resp: 270146
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.5 42.7
 170 24.1 18.9 28.3

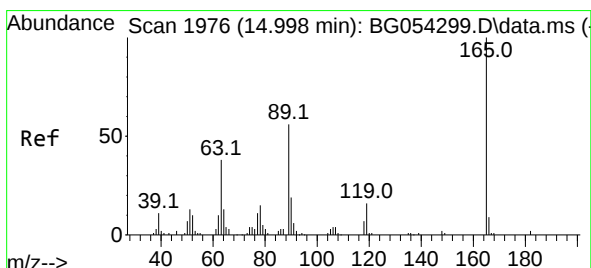
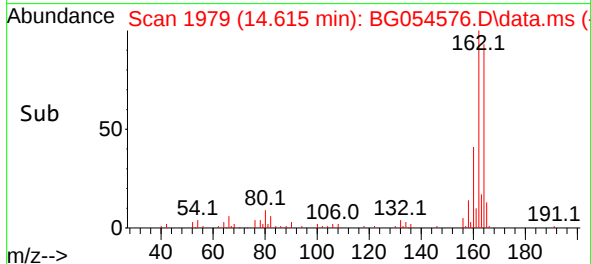
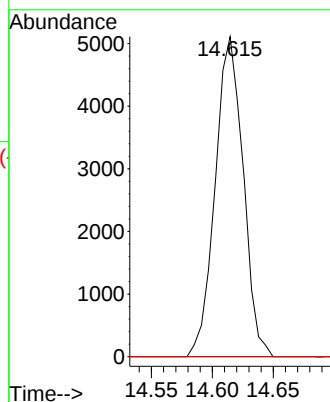
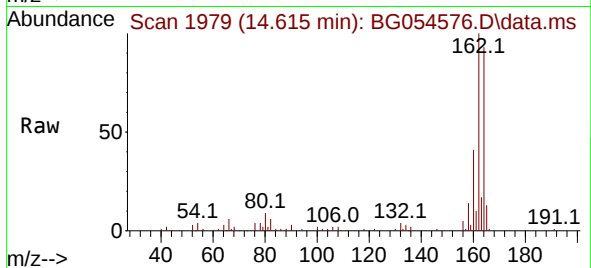




#51
2,6-Dinitrotoluene
Concen: 8.321 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.420 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

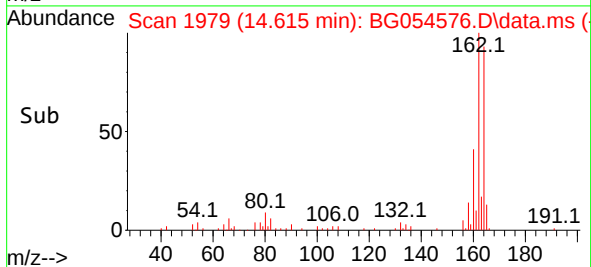
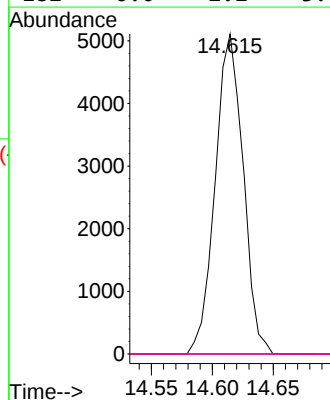
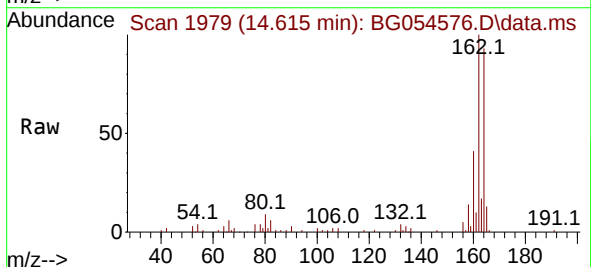
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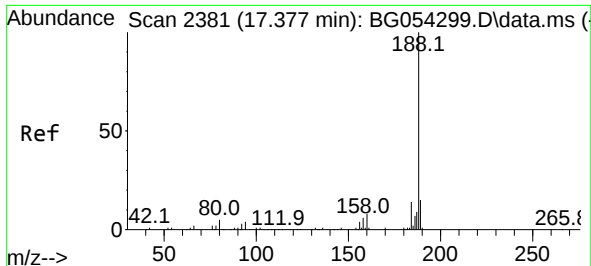
Tgt Ion:165 Resp: 8157
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.804 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.379 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:165 Resp: 8157
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#

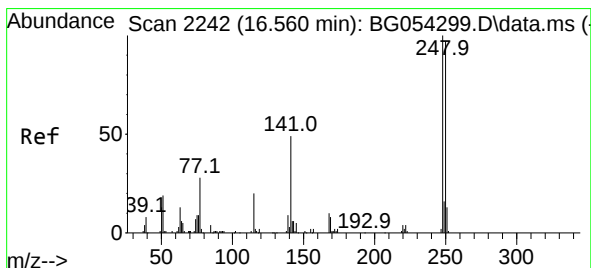
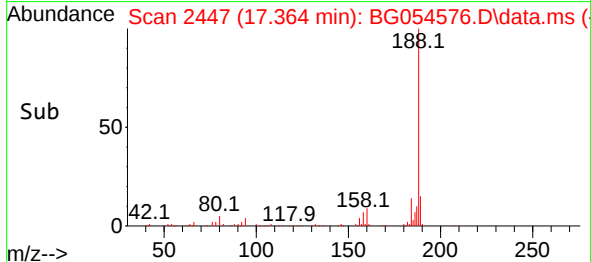
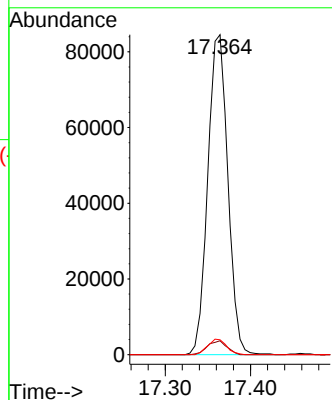
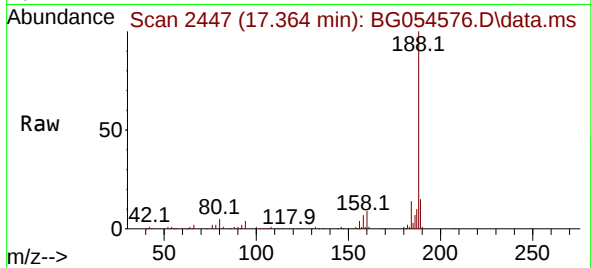




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.364 min Scan# 2447
Delta R.T. 0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

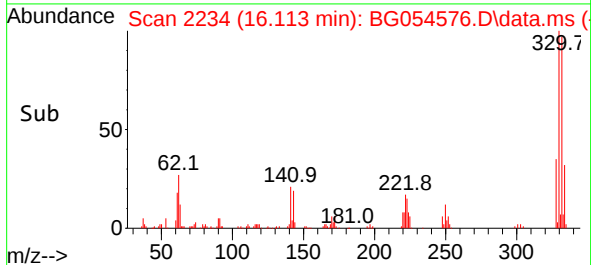
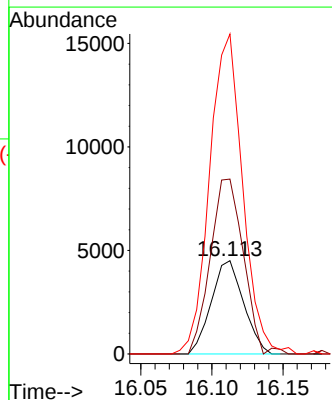
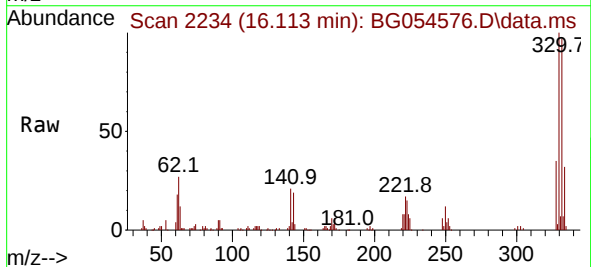
Instrument :
BNA_G
ClientSampleId :
RVE-183

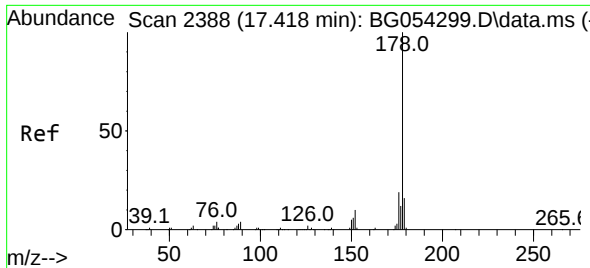
Tgt Ion:188 Resp: 137993
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.6 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.678 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.432 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:248 Resp: 7129
Ion Ratio Lower Upper
248 100
250 139.4 75.2 112.8#
141 254.9 50.0 75.0#

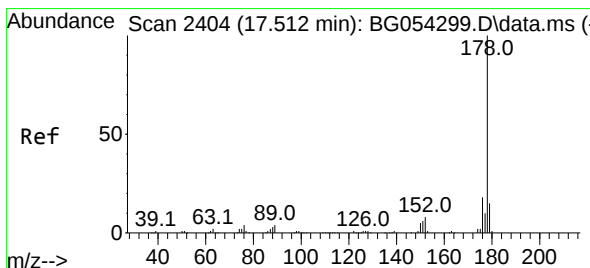
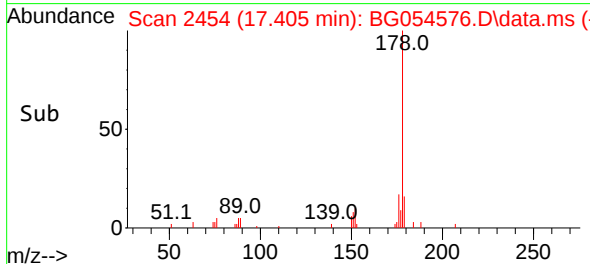
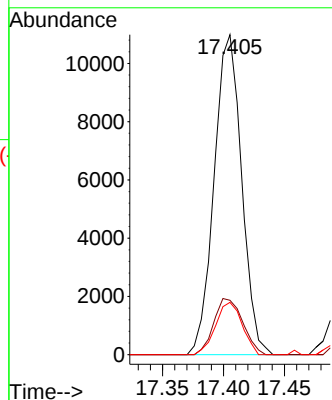
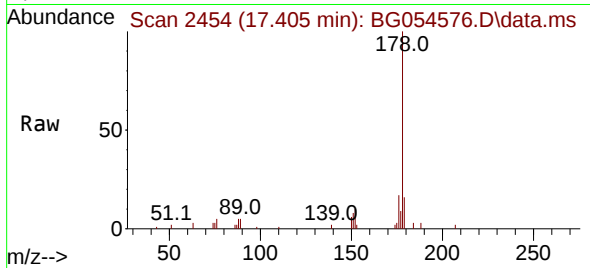




#71
Phenanthrene
Concen: 2.506 ng
RT: 17.405 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

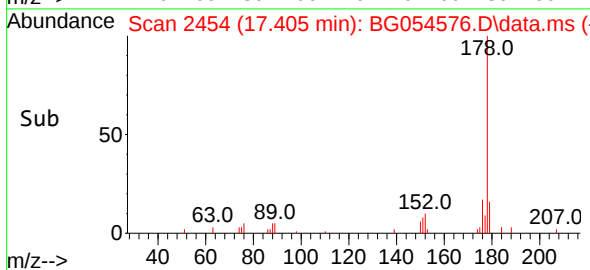
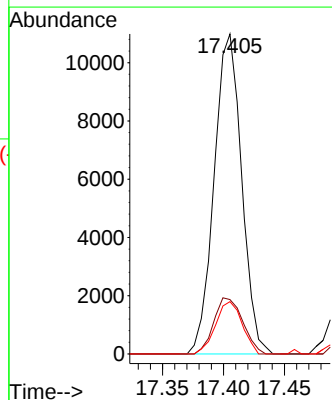
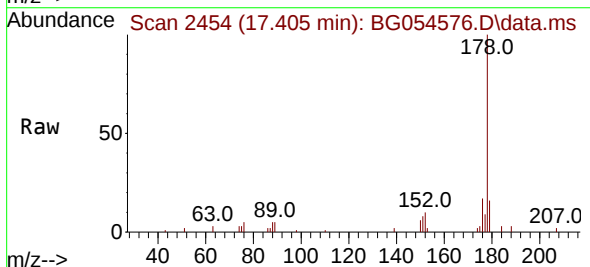
Instrument :
BNA_G
ClientSampleId :
RVE-183

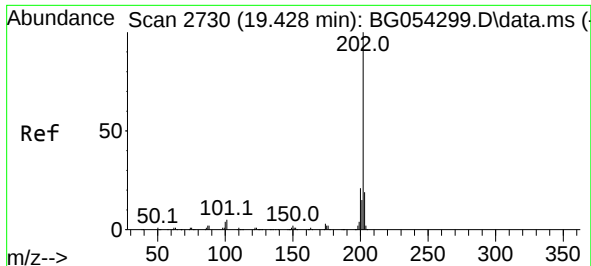
Tgt Ion:178 Resp: 17223
Ion Ratio Lower Upper
178 100
176 17.0 14.1 21.1
179 16.3 12.1 18.1



#72
Anthracene
Concen: 2.554 ng
RT: 17.405 min Scan# 2454
Delta R.T. -0.091 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:178 Resp: 17223
Ion Ratio Lower Upper
178 100
176 17.0 15.2 22.8
179 16.3 13.0 19.4

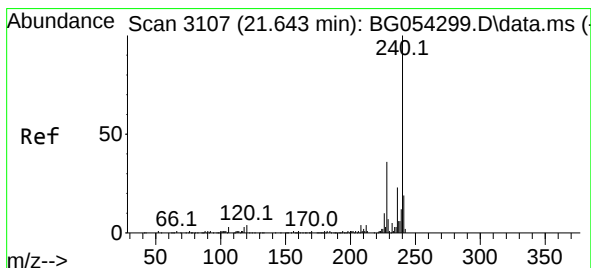
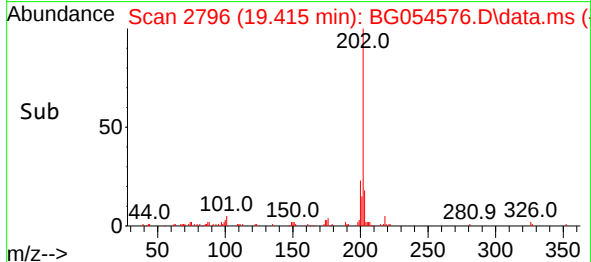
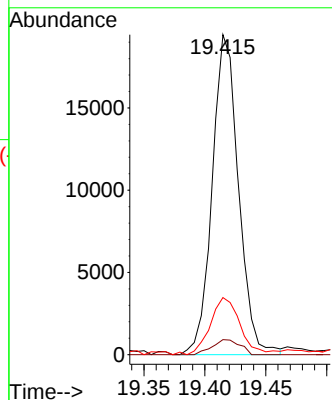
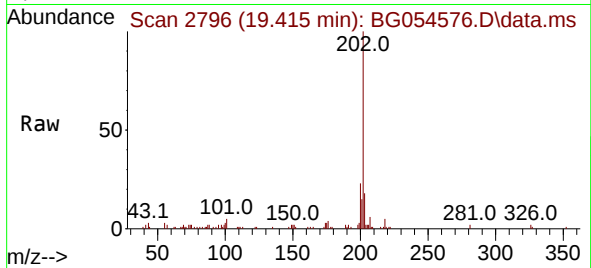




#75
Fluoranthene
Concen: 3.117 ng
RT: 19.415 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

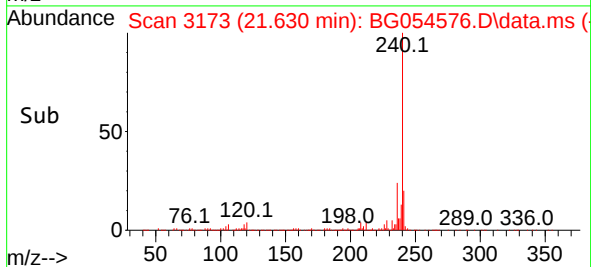
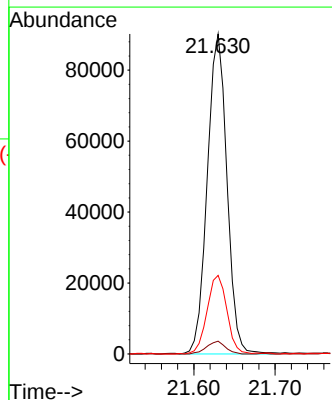
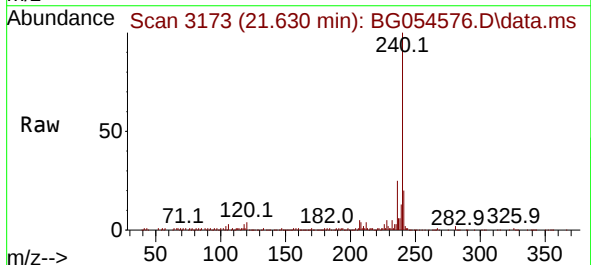
Instrument :
BNA_G
ClientSampleId :
RVE-183

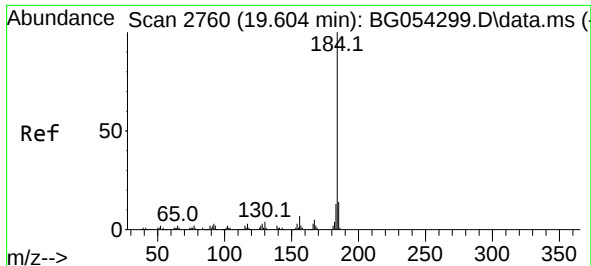
Tgt Ion:202 Resp: 29201
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:240 Resp: 151487
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.6 20.2 30.4

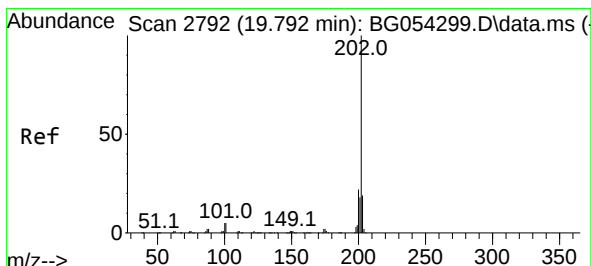
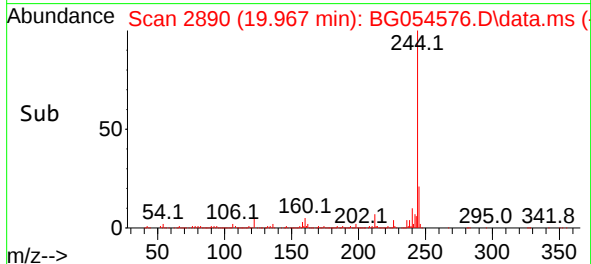
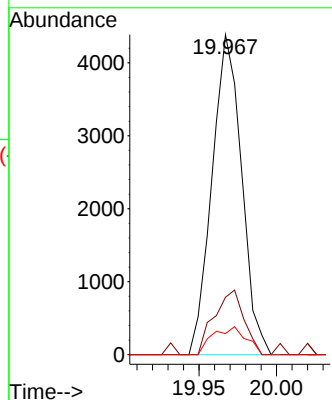
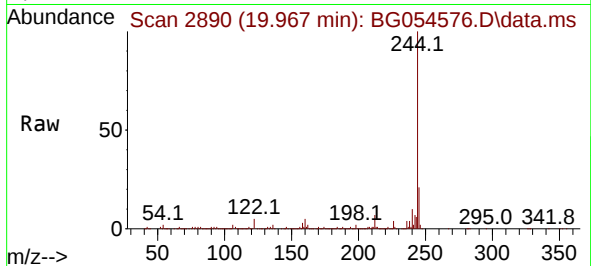




#77
Benzidine
Concen: 2.118 ng
RT: 19.967 min Scan# 21
Delta R.T. 0.373 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

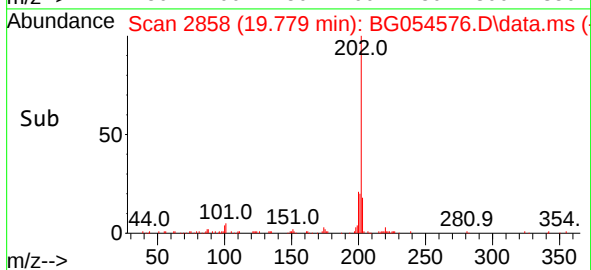
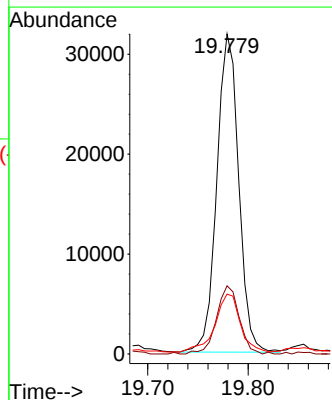
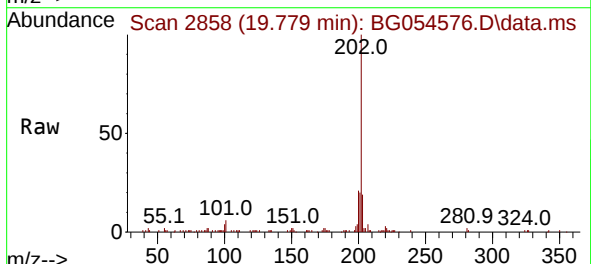
Instrument :
BNA_G
ClientSampleId :
RVE-183

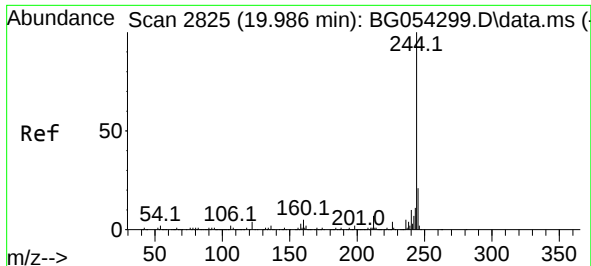
Tgt Ion:184 Resp: 5810
Ion Ratio Lower Upper
184 100
185 17.9 11.8 17.6#
183 6.6 8.9 13.3#



#78
Pyrene
Concen: 5.544 ng
RT: 19.779 min Scan# 2858
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:202 Resp: 48189
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.7 14.6 21.8

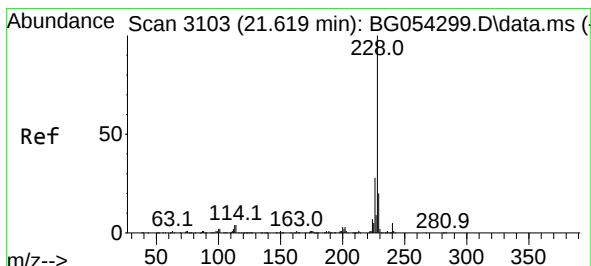
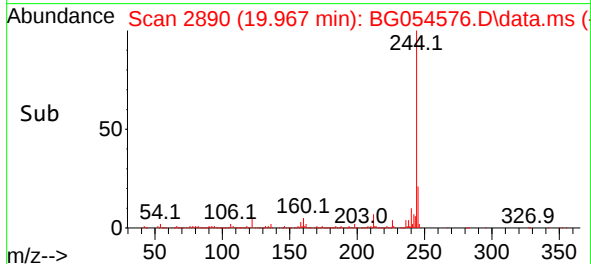
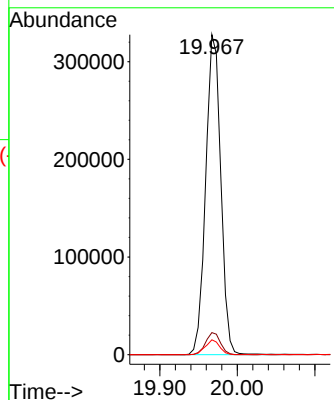
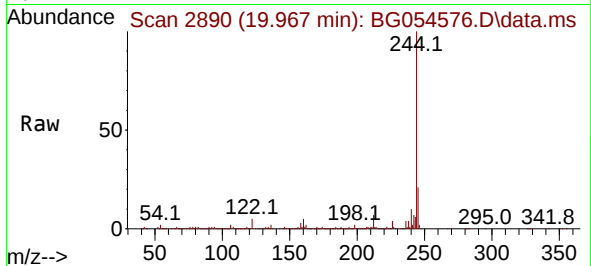




#79
 Terphenyl-d14
 Concen: 57.843 ng
 RT: 19.967 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

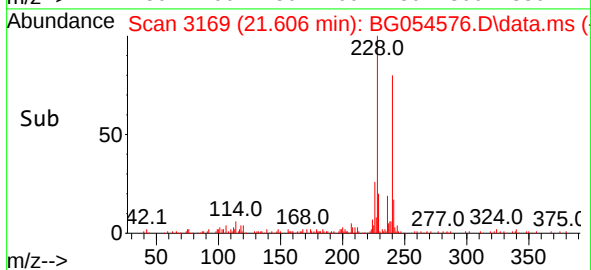
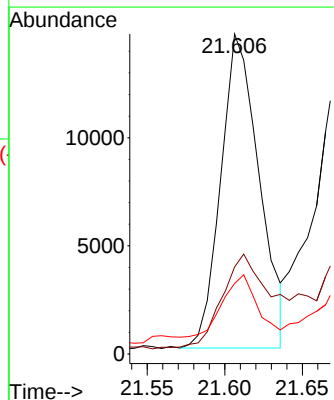
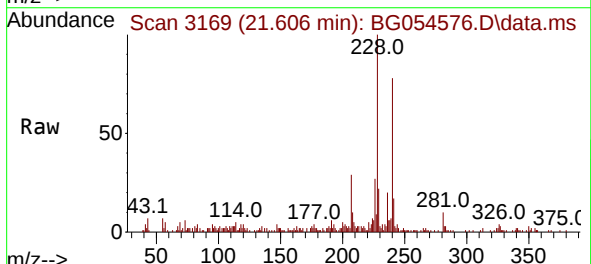
Instrument :
 BNA_G
 ClientSampleId :
 RVE-183

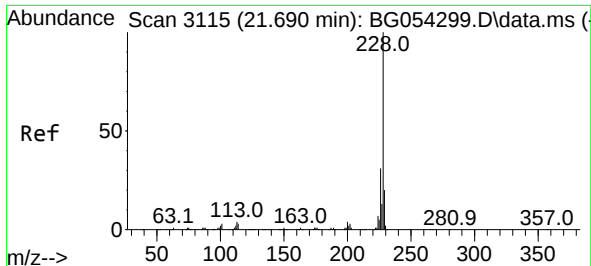
Tgt Ion:244 Resp: 441700
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.6 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.606 ng
 RT: 21.606 min Scan# 3169
 Delta R.T. -0.009 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

Tgt Ion:228 Resp: 25060
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 22.0 16.2 24.2

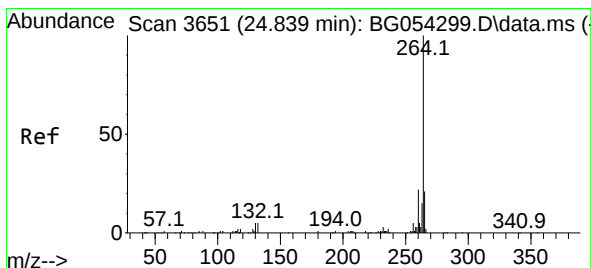
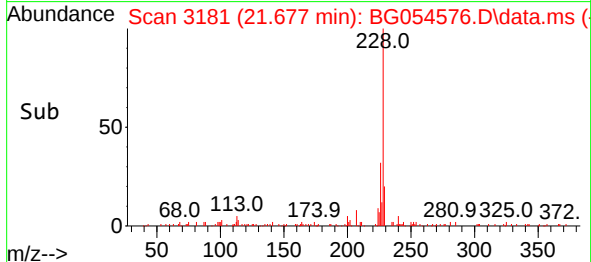
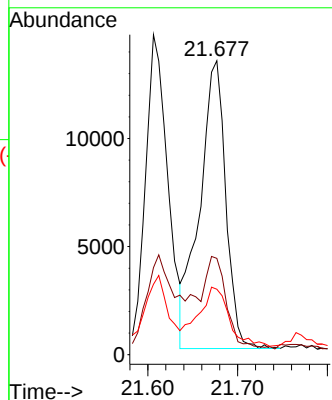
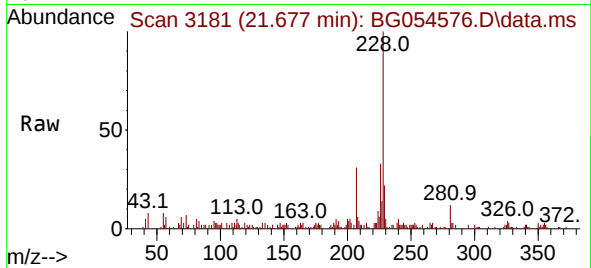




#83
Chrysene
Concen: 2.978 ng
RT: 21.677 min Scan# 3115
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

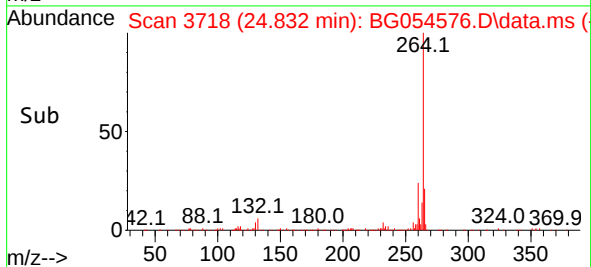
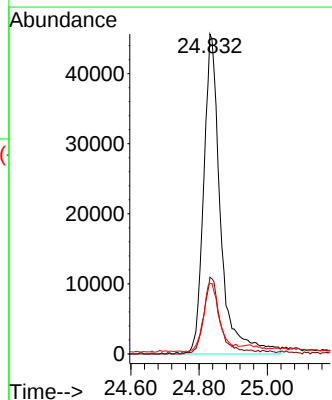
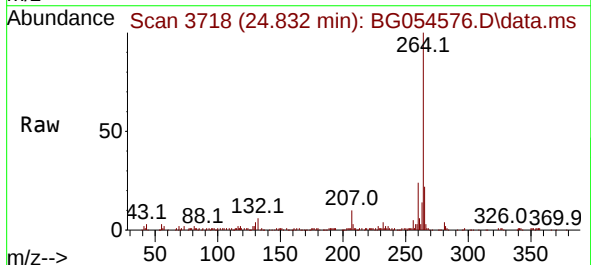
Instrument :
BNA_G
ClientSampleId :
RVE-183

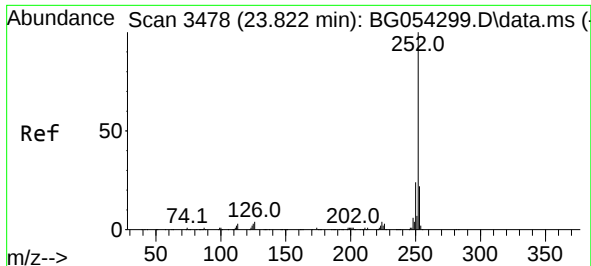
Tgt Ion:228 Resp: 27059
Ion Ratio Lower Upper
228 100
226 32.8 23.4 35.2
229 22.3 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.832 min Scan# 3718
Delta R.T. -0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

Tgt Ion:264 Resp: 156638
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 22.1 17.4 26.2

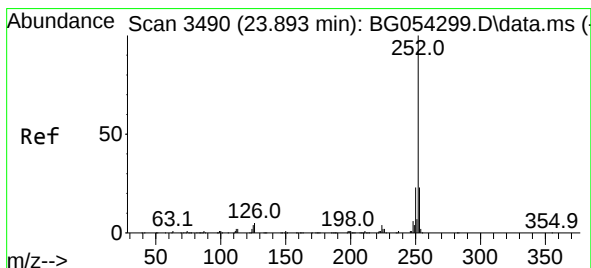
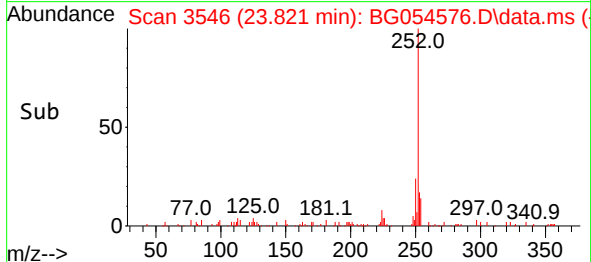
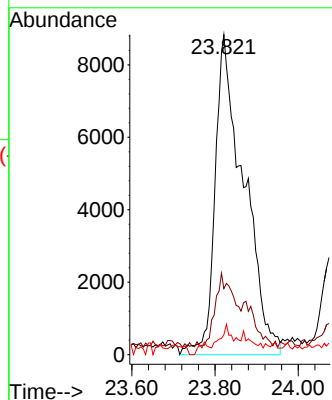
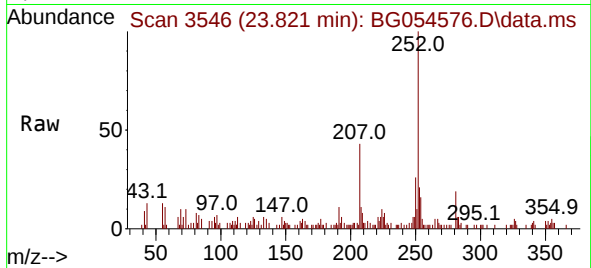




#88
Benzo(b)fluoranthene
Concen: 4.558 ng
RT: 23.821 min Scan# 3546
Delta R.T. 0.003 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

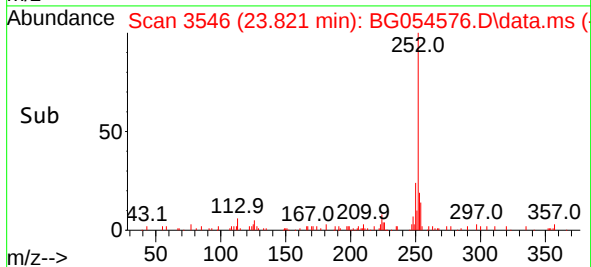
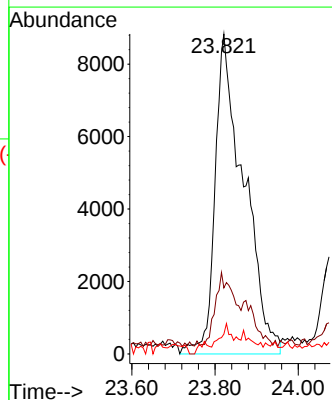
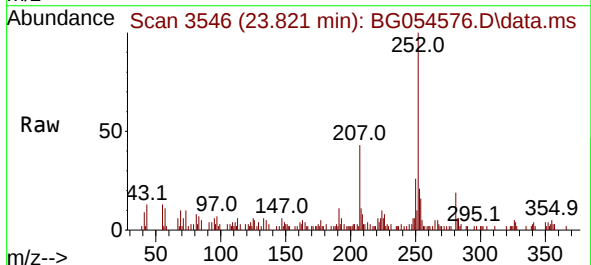
Instrument :
BNA_G
ClientSampleId :
RVE-183

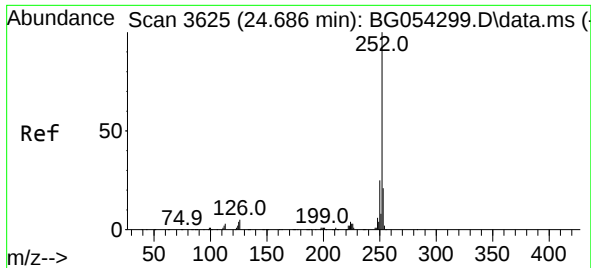
Tgt Ion:	252	Resp:	42226
Ion Ratio	Lower	Upper	
252	100		
253	20.7	18.0	27.0
125	6.2	4.6	6.8



#89
Benzo(k)fluoranthene
Concen: 4.580 ng
RT: 23.821 min Scan# 3546
Delta R.T. -0.062 min
Lab File: BG054576.D
Acq: 9 Aug 2022 19:22

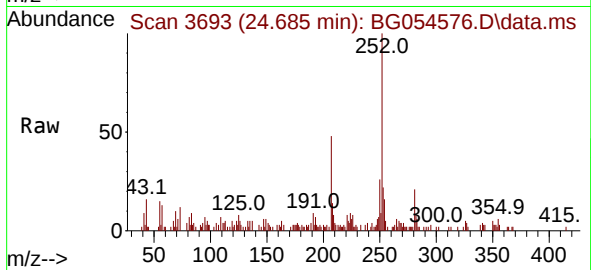
Tgt Ion:	252	Resp:	42226
Ion Ratio	Lower	Upper	
252	100		
253	20.7	18.4	27.6
125	6.2	4.8	7.2





#90
 Benzo(a)pyrene
 Concen: 3.255 ng
 RT: 24.685 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG054576.D
 Acq: 9 Aug 2022 19:22

Instrument :
 BNA_G
 ClientSampleId :
 RVE-183



Tgt Ion:252 Resp: 25750
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.8
 125 7.7 4.3 6.5#

