

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054365.D
 Acq On : 22 Jul 2022 18:38
 Operator : CG/JU
 Sample : N3835-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-191E

Quant Time: Jul 23 00:12:16 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)

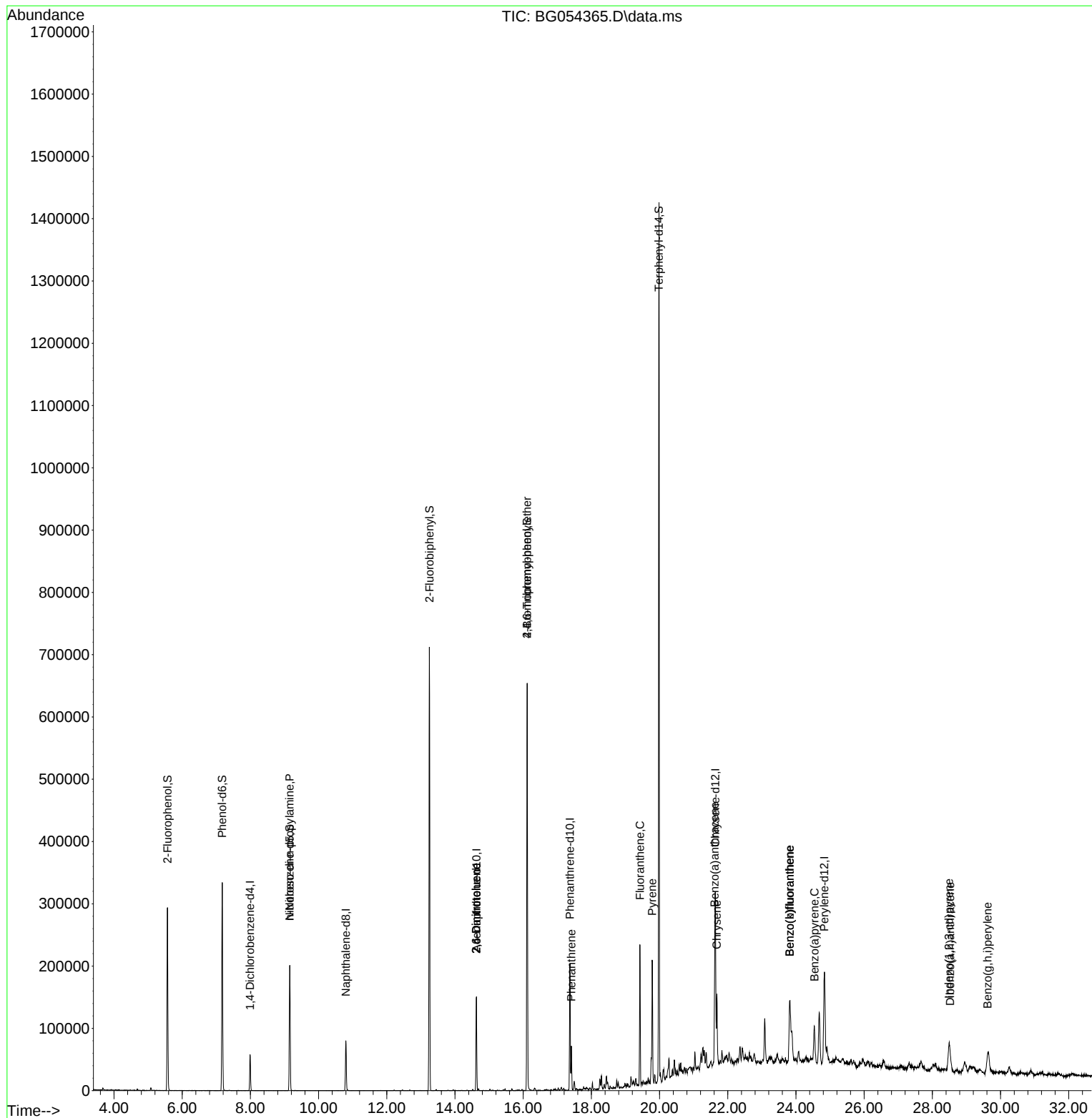
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	18373	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	73431	20.000	ng	#-0.01
39) Acenaphthene-d10	14.628	164	59982	20.000	ng	0.00
64) Phenanthrene-d10	17.372	188	148496	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	166440	20.000	ng	#-0.01
86) Perylene-d12	24.828	264	175812	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	132505	150.577	ng	0.00
7) Phenol-d6	7.172	99	183977	152.578	ng	0.00
23) Nitrobenzene-d5	9.152	82	122483	90.834	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	176414	140.078	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	402340	94.625	ng	-0.01
79) Terphenyl-d14	19.981	244	820927	97.846	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.160	77	129	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.152	70	18531	23.014	ng	# 81
51) 2,6-Dinitrotoluene	14.622	165	8315	8.091	ng	# 16
57) 2,4-Dinitrotoluene	14.622	165	8315	5.644	ng	# 21
67) 4-Bromophenyl-phenylether	16.115	248	10291	4.934	ng	# 1
71) Phenanthrene	17.413	178	52138	7.050	ng	97
75) Fluoranthene	19.423	202	151884	15.067	ng	96
78) Pyrene	19.781	202	147586	15.454	ng	98
81) Benzo(a)anthracene	21.614	228	100825	9.543	ng	98
83) Chrysene	21.679	228	91693	9.186	ng	97
87) Indeno(1,2,3-cd)pyrene	28.488	276	86439	6.463	ng	98
88) Benzo(b)fluoranthene	23.817	252	151259	14.548	ng	# 96
89) Benzo(k)fluoranthene	23.817	252	151259	14.618	ng	# 97
90) Benzo(a)pyrene	24.540	252	70567	7.947	ng	97
91) Dibenzo(a,h)anthracene	28.518	278	24085	2.190	ng	# 90
92) Benzo(g,h,i)perylene	29.622	276	83837	7.724	ng	# 94

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

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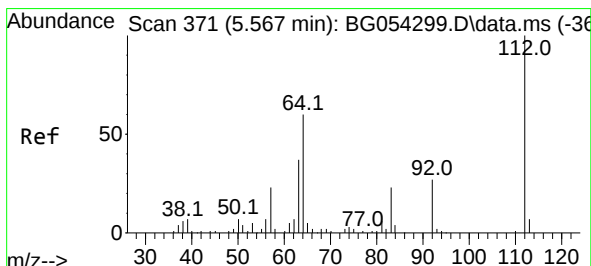
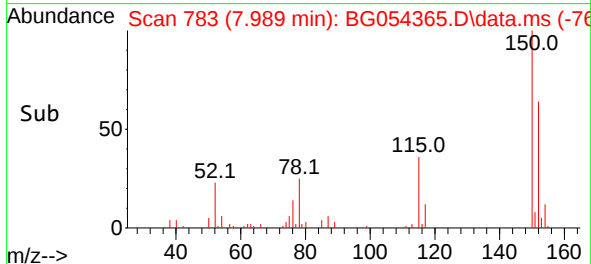
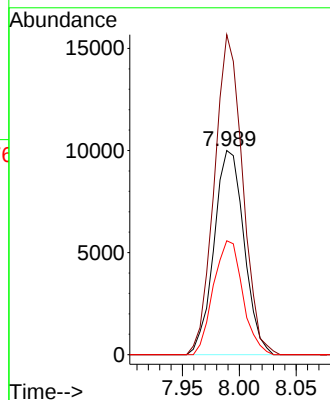
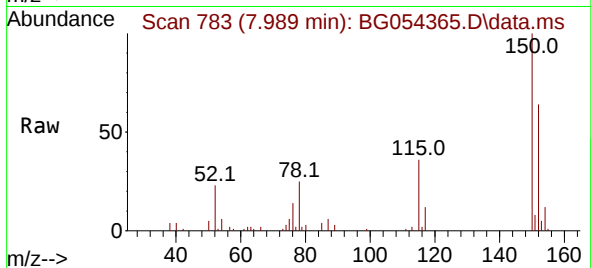




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 785
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

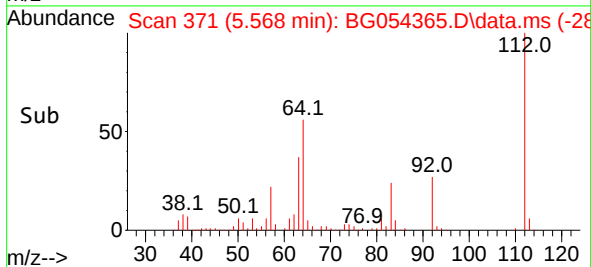
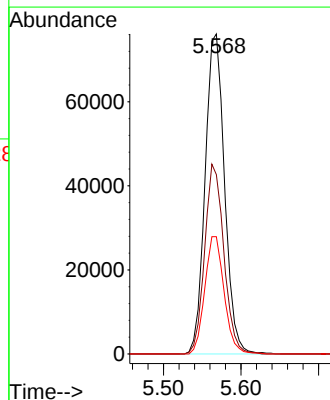
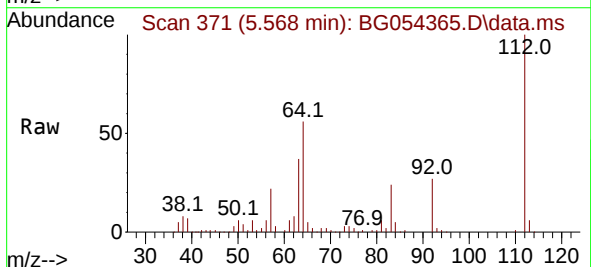
Instrument :
BNA_G
ClientSampleId :
MH-191E

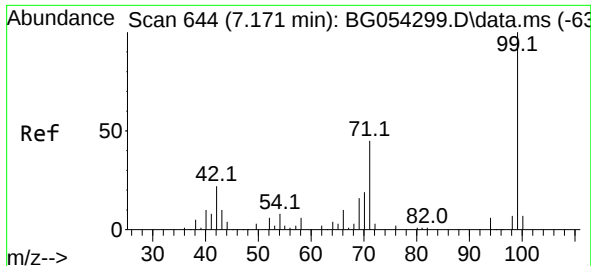
Tgt Ion:152 Resp: 18373
Ion Ratio Lower Upper
152 100
150 156.7 131.6 197.4
115 55.8 50.9 76.3



#5
2-Fluorophenol
Concen: 150.577 ng
RT: 5.568 min Scan# 371
Delta R.T. 0.001 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:112 Resp: 132505
Ion Ratio Lower Upper
112 100
64 56.1 55.1 82.7
63 36.7 30.4 45.6

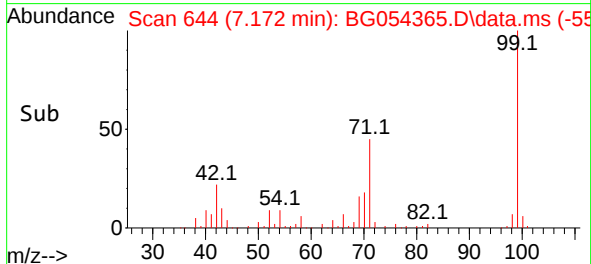
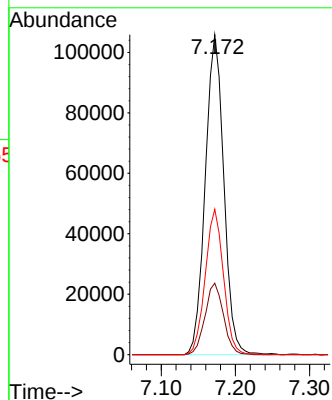
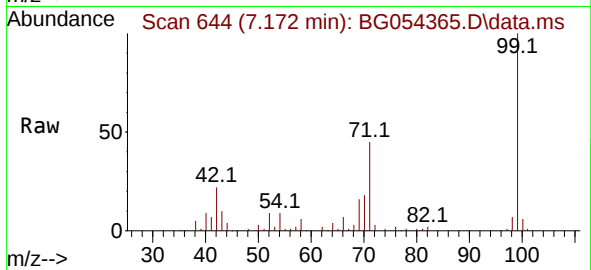




#7
Phenol-d6
Concen: 152.578 ng
RT: 7.172 min Scan# 644
Delta R.T. 0.001 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

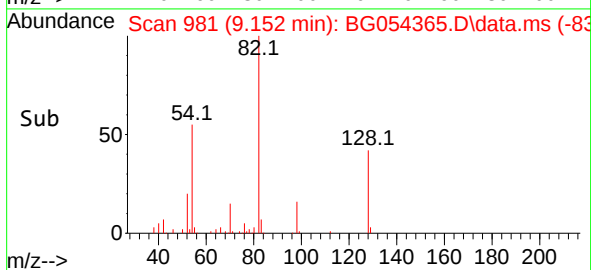
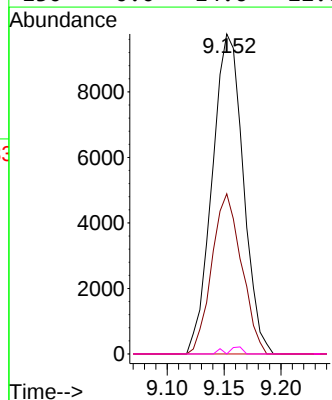
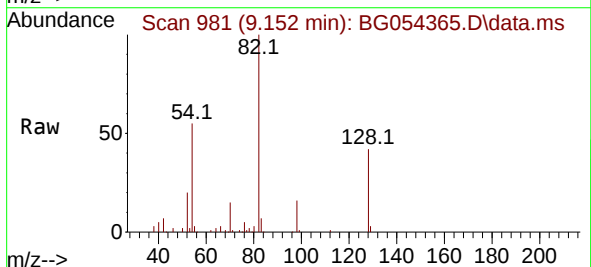
Instrument :
BNA_G
ClientSampleId :
MH-191E

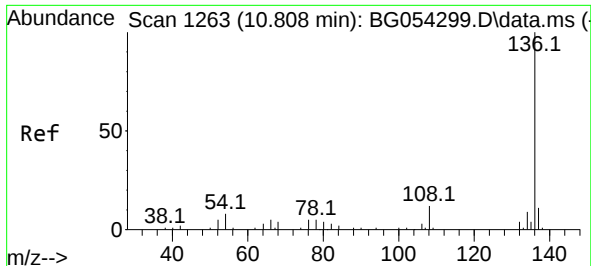
Tgt Ion: 99 Resp: 183977
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 45.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 23.014 ng
RT: 9.152 min Scan# 981
Delta R.T. 0.347 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion: 70 Resp: 18531
Ion Ratio Lower Upper
70 100
42 50.0 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

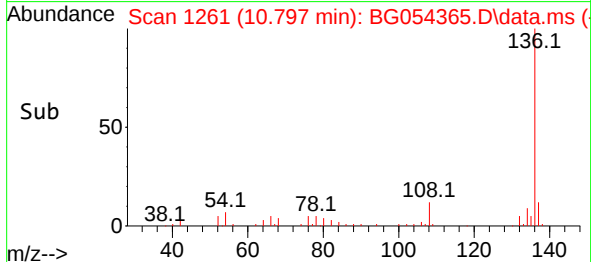
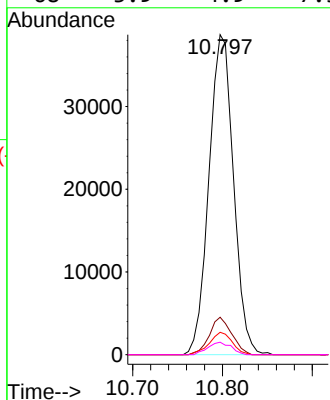
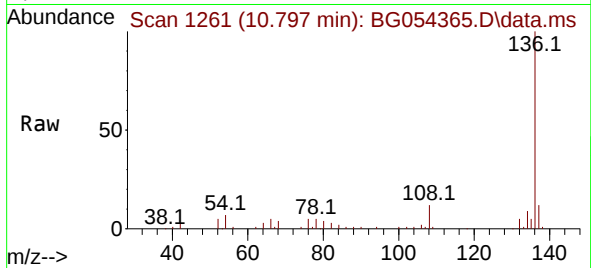




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

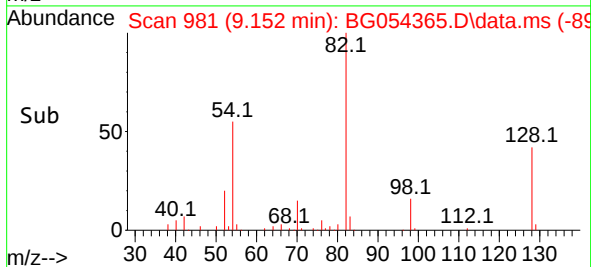
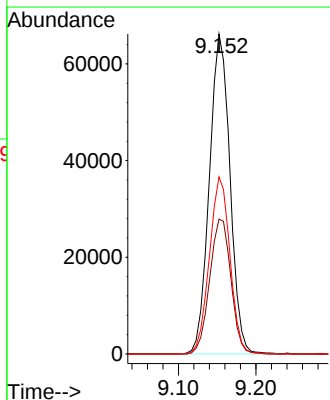
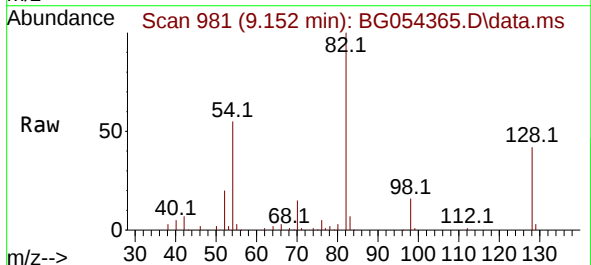
Instrument :
BNA_G
ClientSampleId :
MH-191E

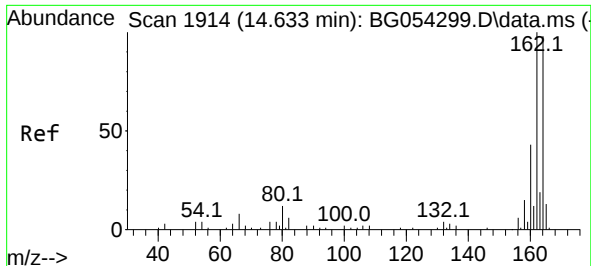
Tgt Ion:	136	Resp:	73431
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.5	12.7
54	7.0	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 90.834 ng
RT: 9.152 min Scan# 981
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

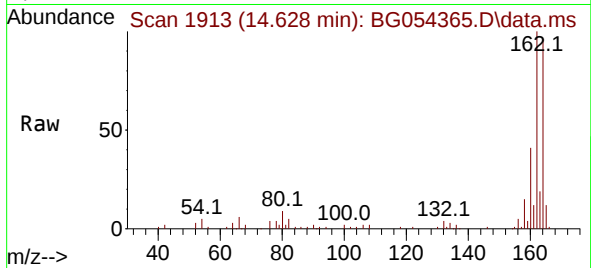
Tgt Ion:	82	Resp:	122483
Ion Ratio	Lower	Upper	
82	100		
128	42.2	27.9	41.9#
54	55.3	41.2	61.8



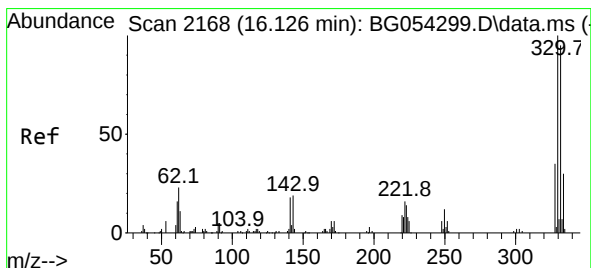
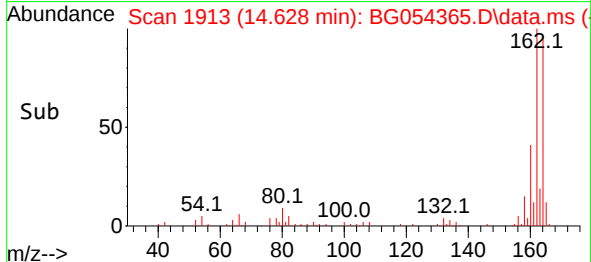
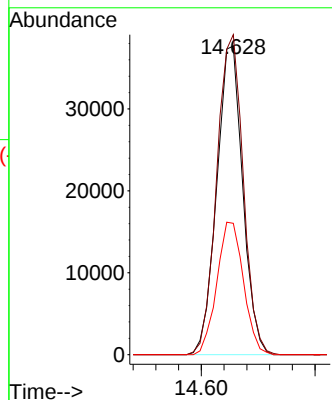


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Instrument :
BNA_G
ClientSampleId :
MH-191E

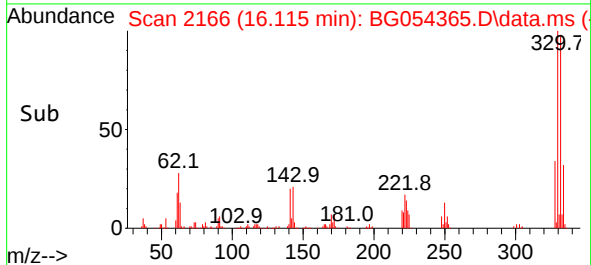
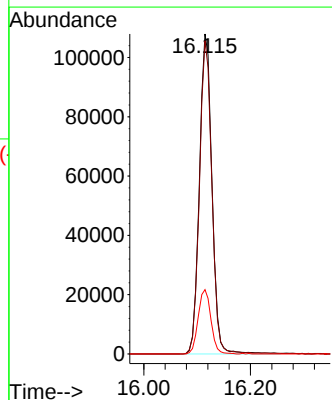
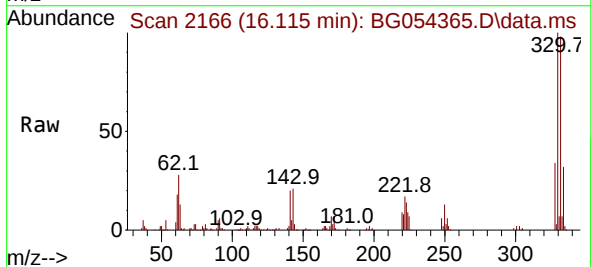


Tgt Ion:164 Resp: 59982
Ion Ratio Lower Upper
164 100
162 103.7 82.3 123.5
160 42.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 140.078 ng
RT: 16.115 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:330 Resp: 176414
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.4 27.1 40.7#

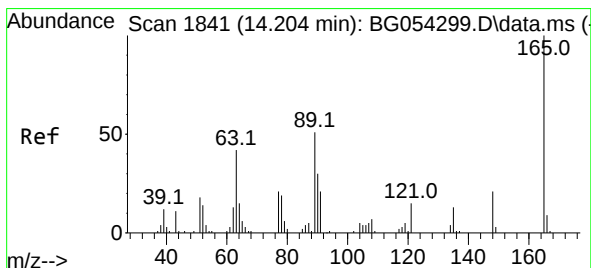
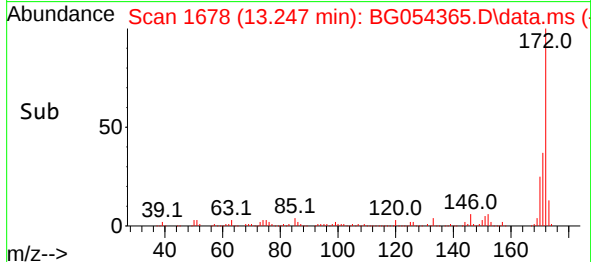
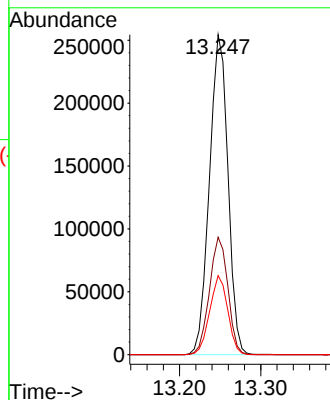
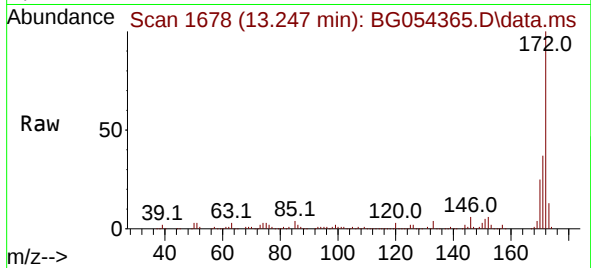




#45
2-Fluorobiphenyl
Concen: 94.625 ng
RT: 13.247 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

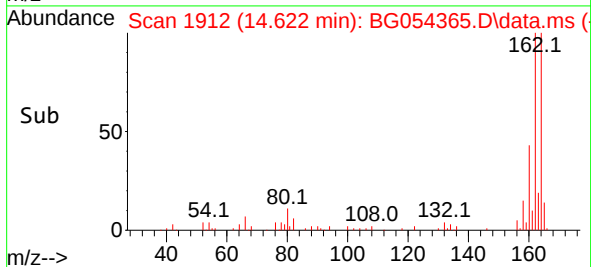
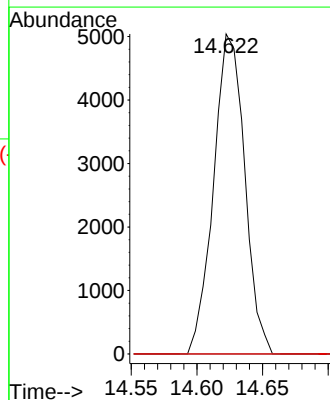
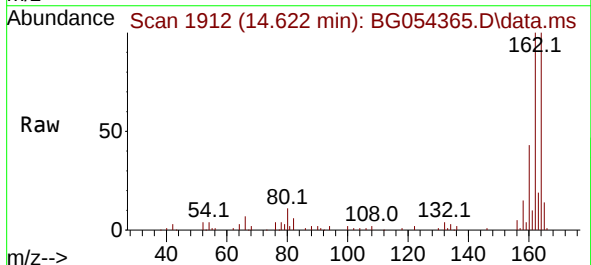
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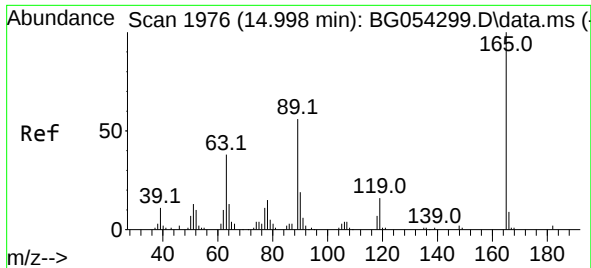
Tgt Ion:172 Resp: 402340
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.091 ng
RT: 14.622 min Scan# 1912
Delta R.T. 0.418 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:165 Resp: 8315
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

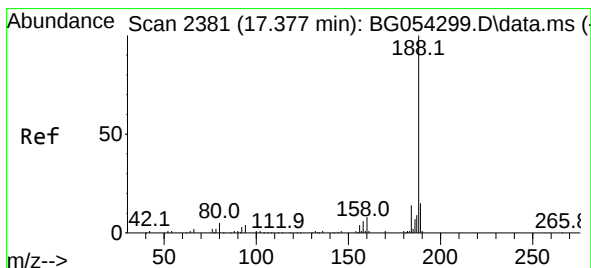
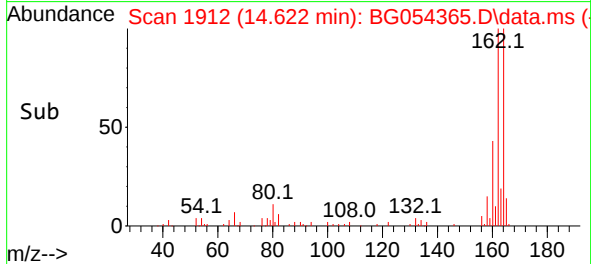
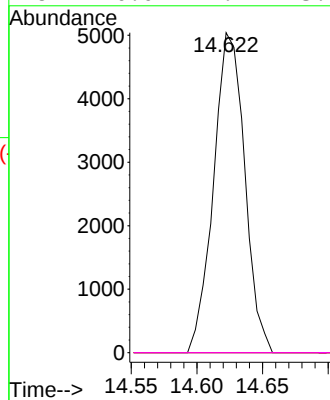
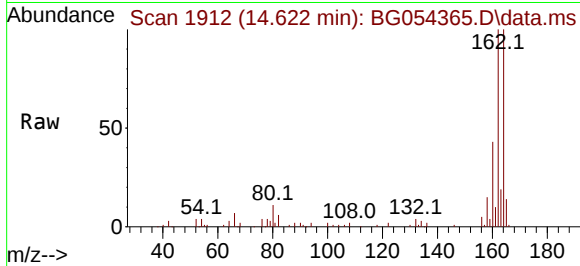




#57
2,4-Dinitrotoluene
Concen: 5.644 ng
RT: 14.622 min Scan# 1976
Delta R.T. -0.375 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

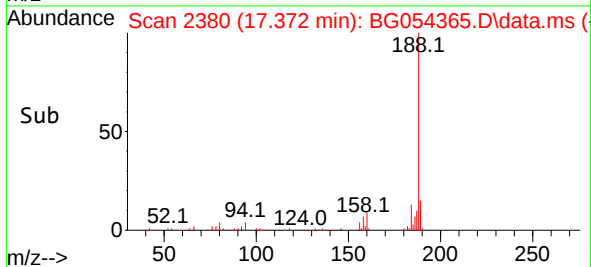
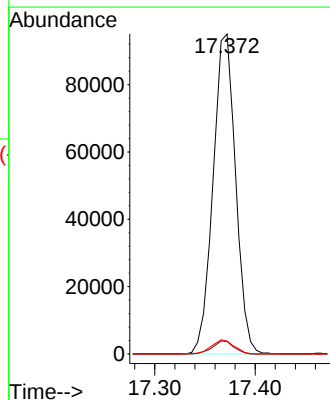
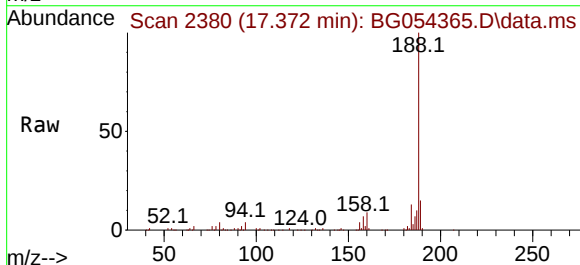
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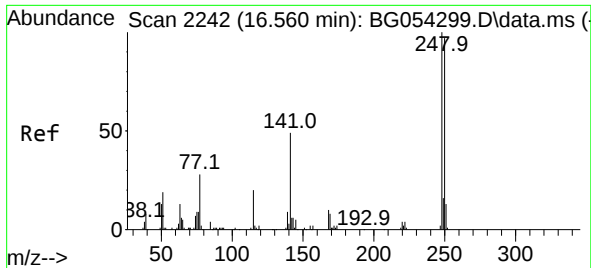
Tgt Ion:165 Resp: 8315
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2380
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:188 Resp: 148496
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.1 6.8 10.2#

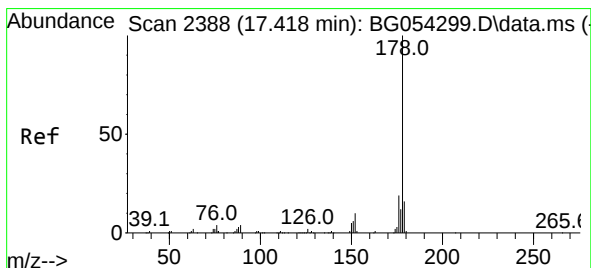
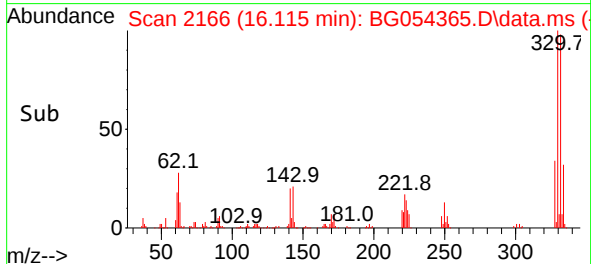
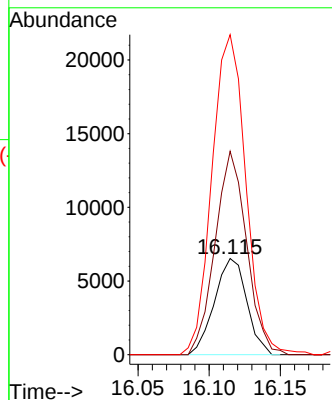
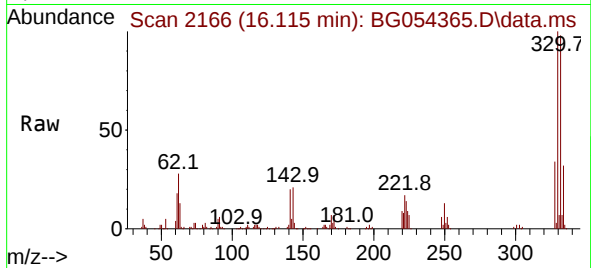




#67
4-Bromophenyl-phenylether
Concen: 4.934 ng
RT: 16.115 min Scan# 2166
Delta R.T. -0.446 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

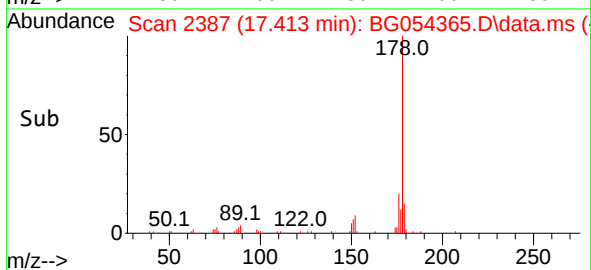
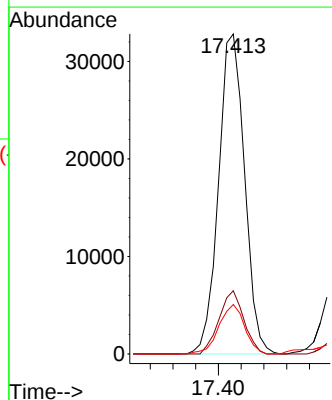
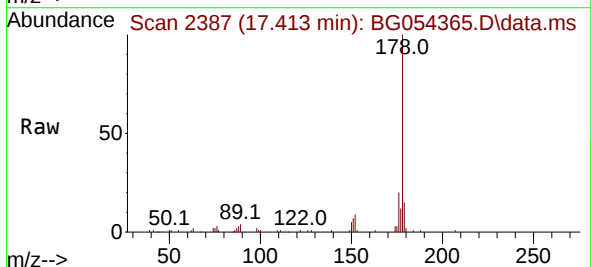
Instrument :
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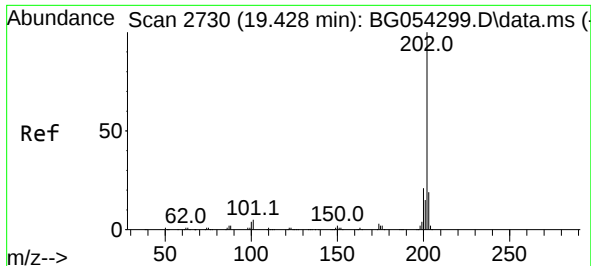
Tgt Ion:248 Resp: 10291
Ion Ratio Lower Upper
248 100
250 211.3 75.2 112.8#
141 332.5 50.0 75.0#



#71
Phenanthrene
Concen: 7.050 ng
RT: 17.413 min Scan# 2387
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:178 Resp: 52138
Ion Ratio Lower Upper
178 100
176 19.8 14.1 21.1
179 15.5 12.1 18.1

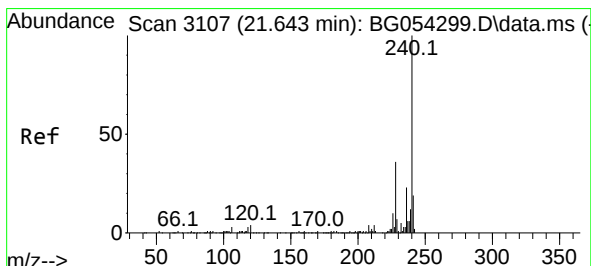
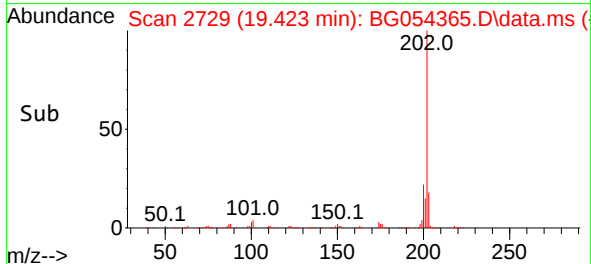
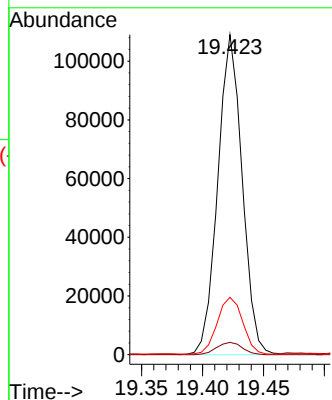
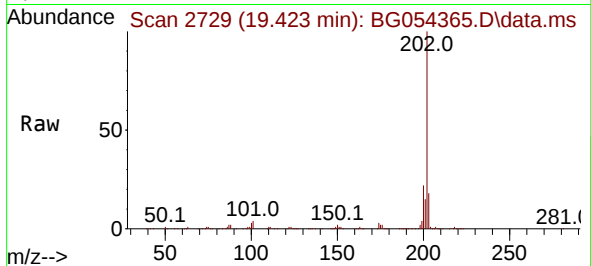




#75
Fluoranthene
Concen: 15.067 ng
RT: 19.423 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

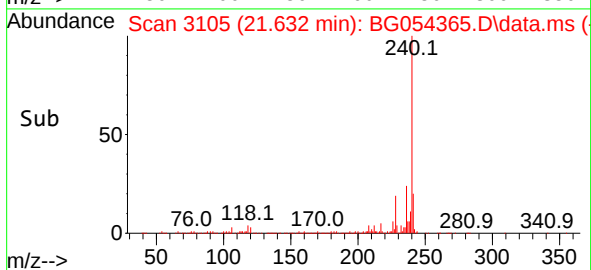
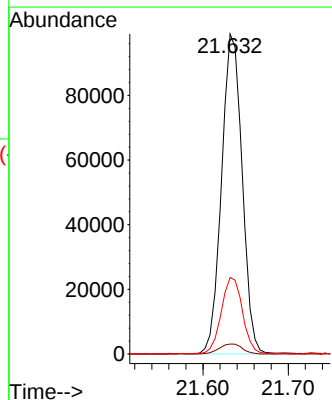
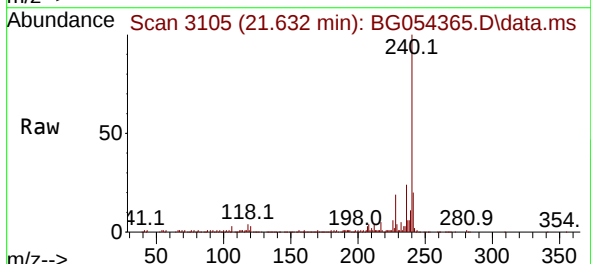
Instrument :
BNA_G
ClientSampleId :
MH-191E

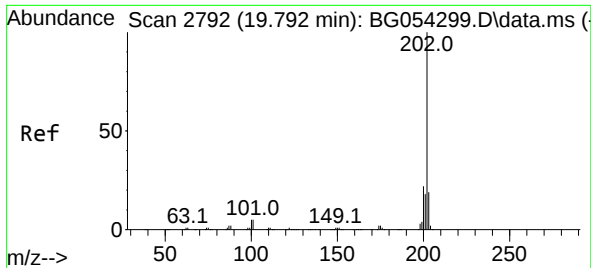
Tgt Ion:202 Resp: 151884
Ion Ratio Lower Upper
202 100
101 3.9 0.0 26.9
203 17.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 3105
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:240 Resp: 166440
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 23.9 20.2 30.4

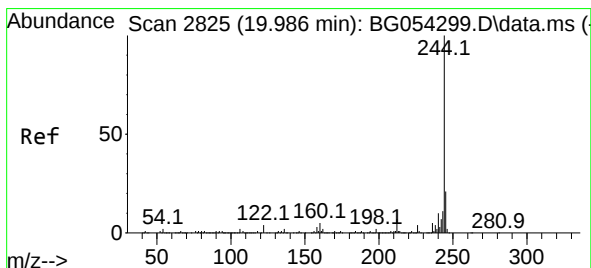
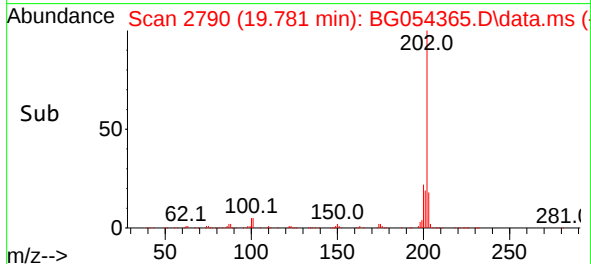
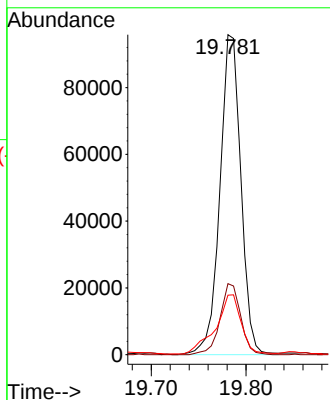
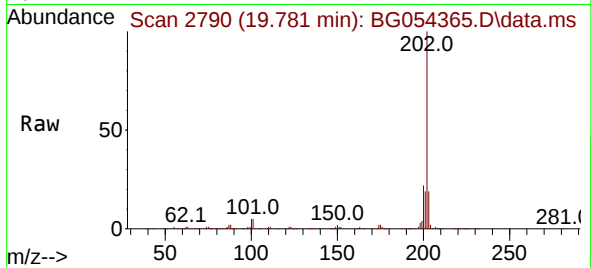




#78
Pyrene
Concen: 15.454 ng
RT: 19.781 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

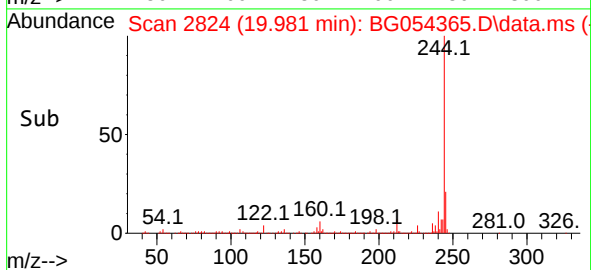
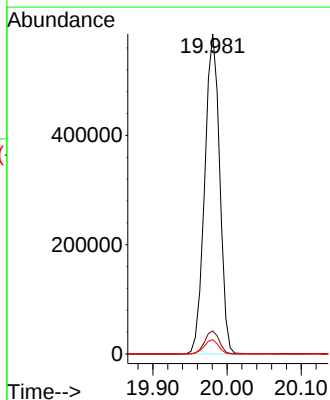
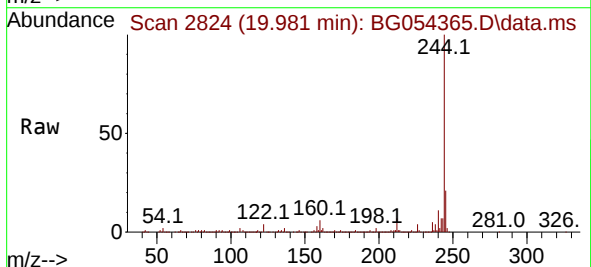
Instrument :
BNA_G
ClientSampleId :
MH-191E

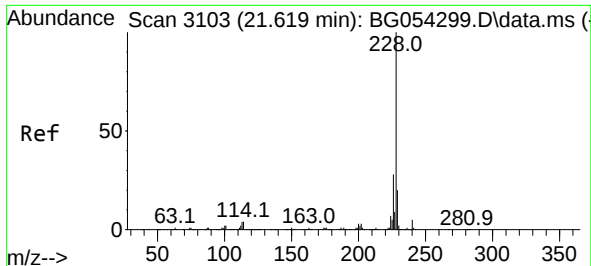
Tgt Ion:202 Resp: 147586
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 18.6 14.6 21.8



#79
Terphenyl-d14
Concen: 97.846 ng
RT: 19.981 min Scan# 2824
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:244 Resp: 820927
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 4.4 5.0 7.4#

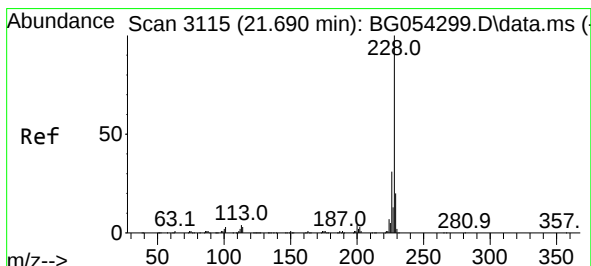
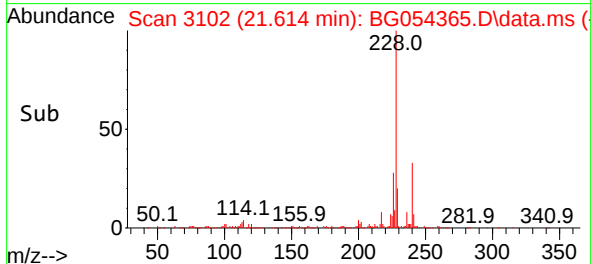
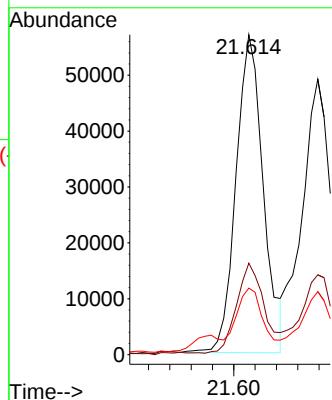
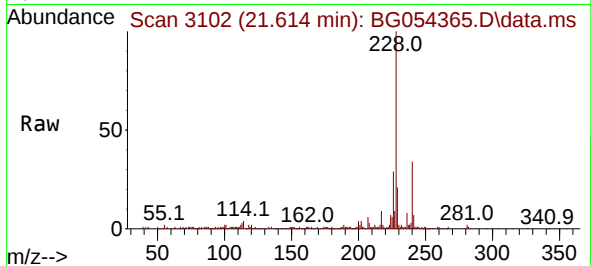




#81
Benzo(a)anthracene
Concen: 9.543 ng
RT: 21.614 min Scan# 3102
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

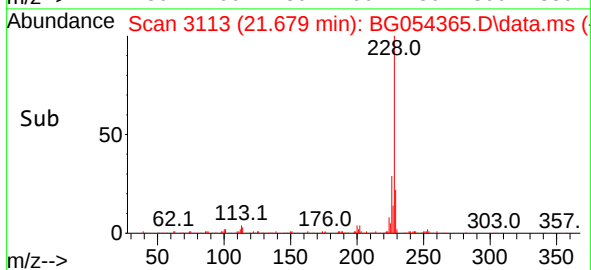
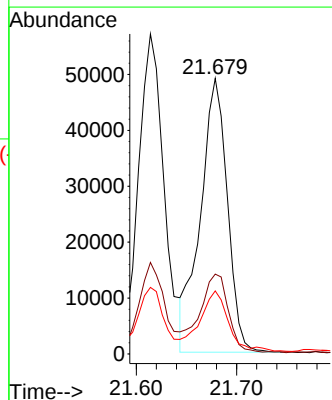
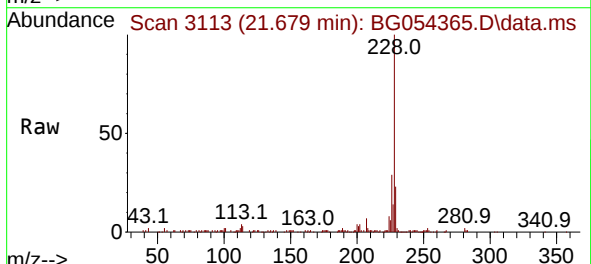
Instrument :
BNA_G
ClientSampleId :
MH-191E

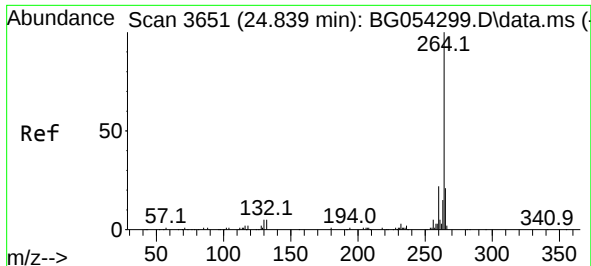
Tgt Ion:228 Resp: 100825
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 20.8 16.2 24.2



#83
Chrysene
Concen: 9.186 ng
RT: 21.679 min Scan# 3113
Delta R.T. -0.011 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:228 Resp: 91693
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 22.9 15.5 23.3

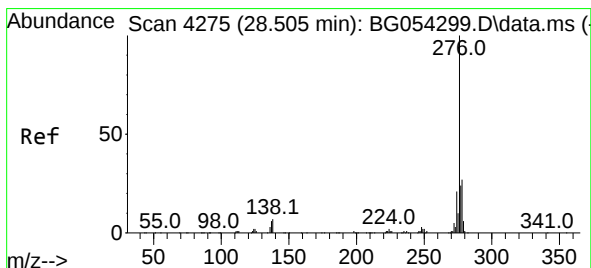
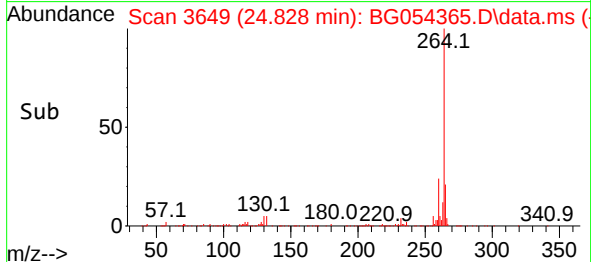
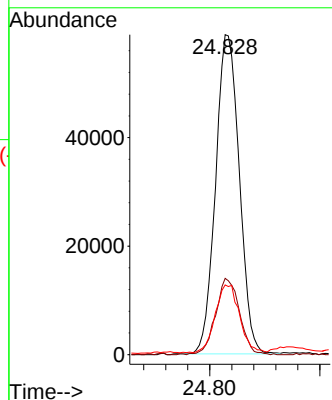
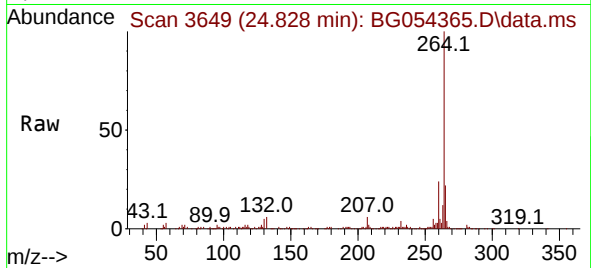




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.828 min Scan# 30
 Delta R.T. -0.011 min
 Lab File: BG054365.D
 Acq: 22 Jul 2022 18:38

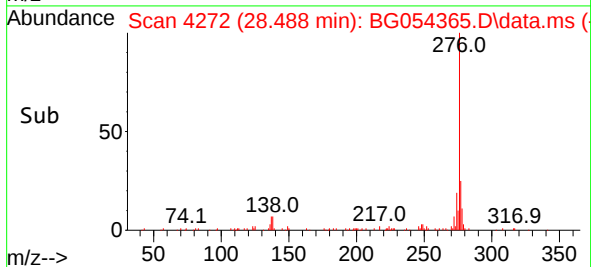
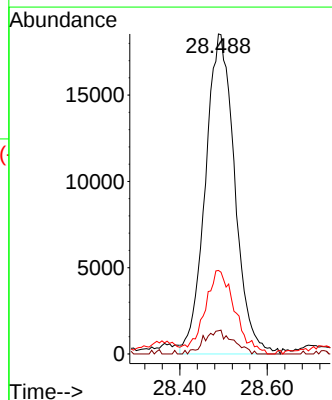
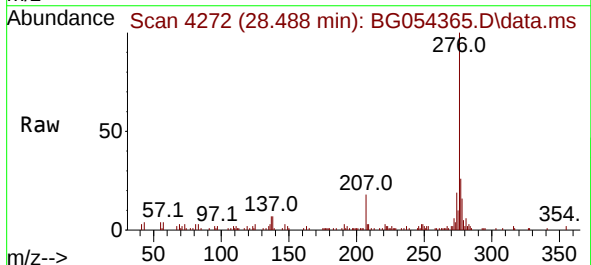
Instrument :
 BNA_G
 ClientSampleId :
 MH-191E

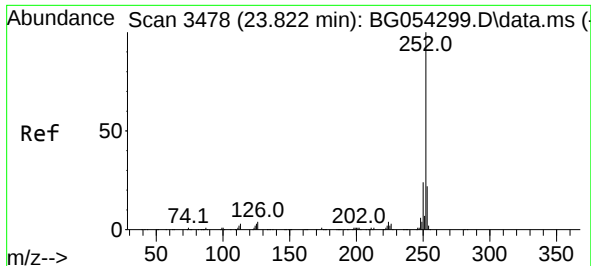
Tgt Ion:264 Resp: 175812
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.8 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.463 ng
 RT: 28.488 min Scan# 4272
 Delta R.T. -0.017 min
 Lab File: BG054365.D
 Acq: 22 Jul 2022 18:38

Tgt Ion:276 Resp: 86439
 Ion Ratio Lower Upper
 276 100
 138 7.3 5.0 7.4
 277 26.4 20.3 30.5

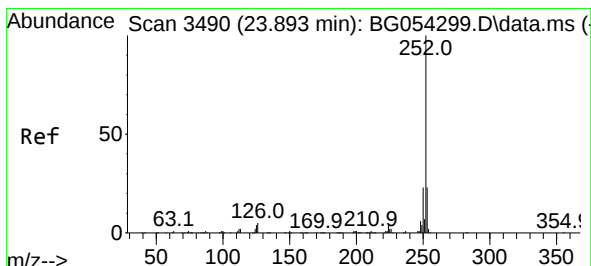
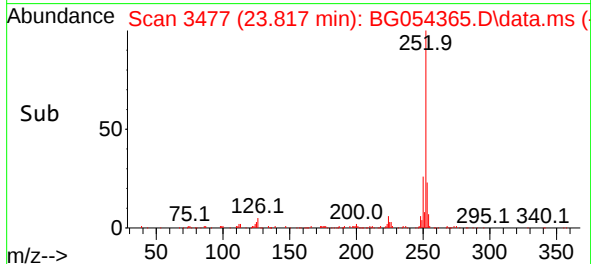
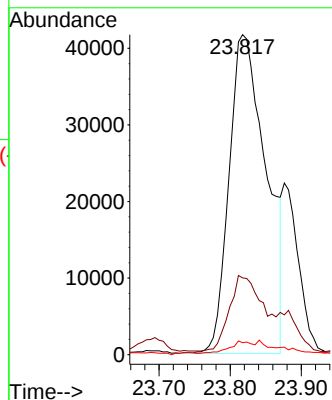
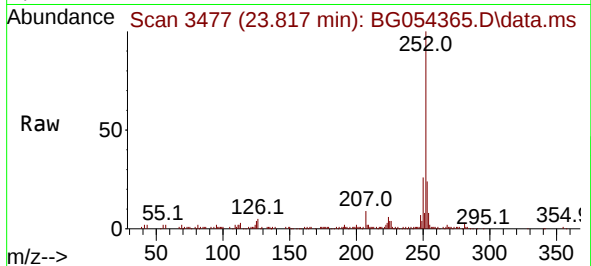




#88
Benzo(b)fluoranthene
Concen: 14.548 ng
RT: 23.817 min Scan# 3477
Delta R.T. -0.005 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

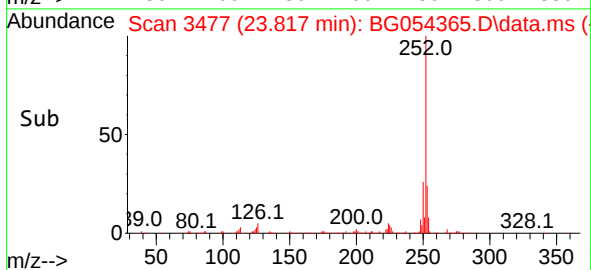
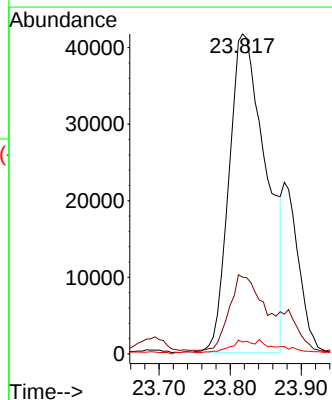
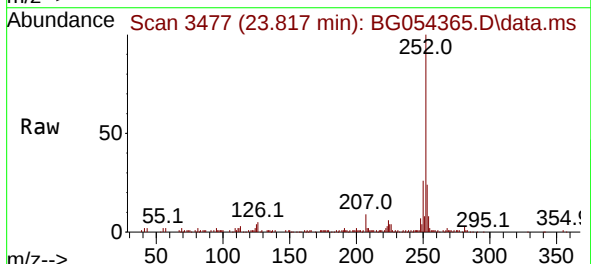
Instrument :
BNA_G
ClientSampleId :
MH-191E

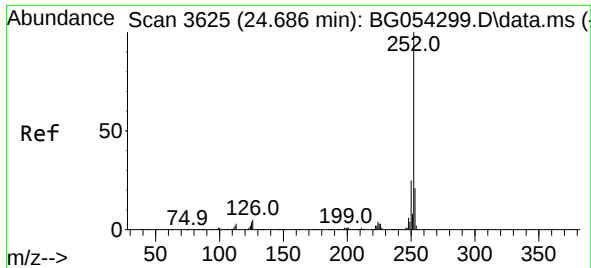
Tgt Ion:252 Resp: 151259
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 3.8 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 14.618 ng
RT: 23.817 min Scan# 3477
Delta R.T. -0.076 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:252 Resp: 151259
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 3.8 4.8 7.2#

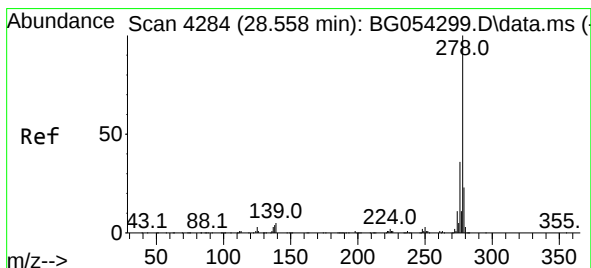
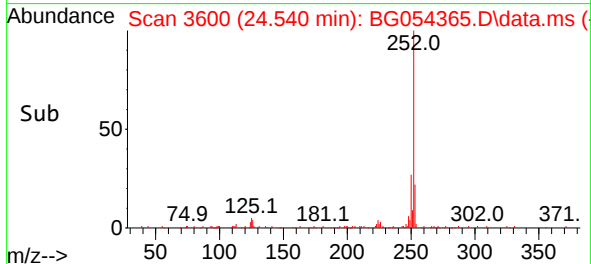
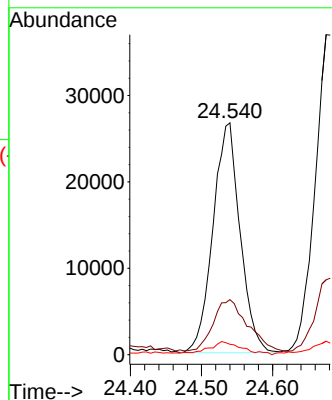
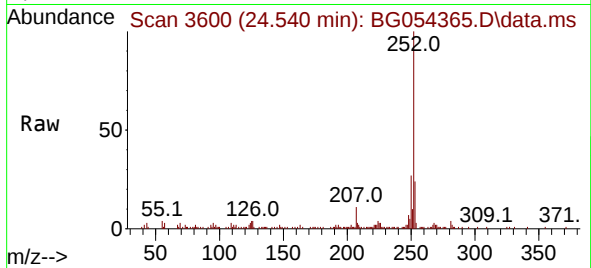




#90
Benzo(a)pyrene
Concen: 7.947 ng
RT: 24.540 min Scan# 30
Delta R.T. -0.146 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

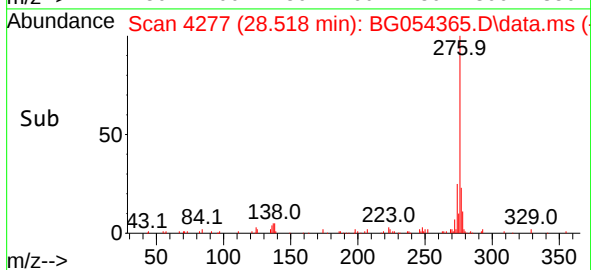
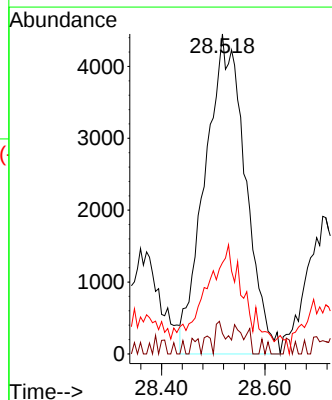
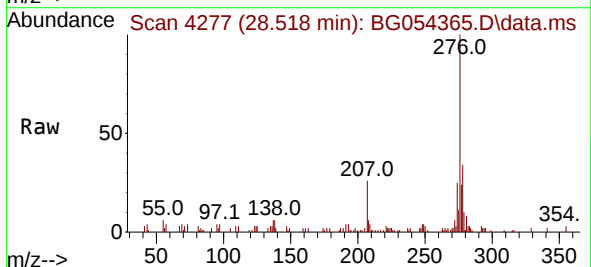
Instrument :
BNA_G
ClientSampleId :
MH-191E

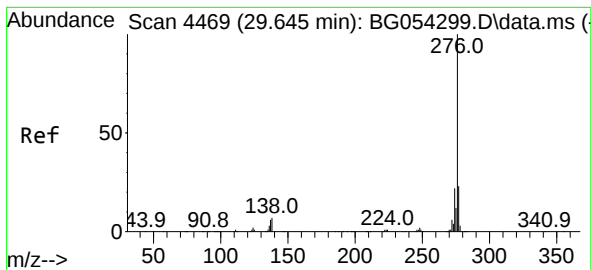
Tgt Ion:252 Resp: 70567
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.5 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.190 ng
RT: 28.518 min Scan# 4277
Delta R.T. -0.040 min
Lab File: BG054365.D
Acq: 22 Jul 2022 18:38

Tgt Ion:278 Resp: 24085
Ion Ratio Lower Upper
278 100
139 6.4 7.2 10.8#
279 28.5 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 7.724 ng
 RT: 29.622 min Scan# 44
 Delta R.T. -0.023 min
 Lab File: BG054365.D
 Acq: 22 Jul 2022 18:38

Instrument :
 BNA_G
 ClientSampleId :
 MH-191E

Tgt Ion:276 Resp: 83837
 Ion Ratio Lower Upper
 276 100
 277 22.9 17.3 25.9
 138 7.0 9.6 14.4#

