

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053291.D
 Acq On : 23 Apr 2022 13:48
 Operator : CG/JU
 Sample : N2426-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-3S

Quant Time: Apr 24 02:49:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

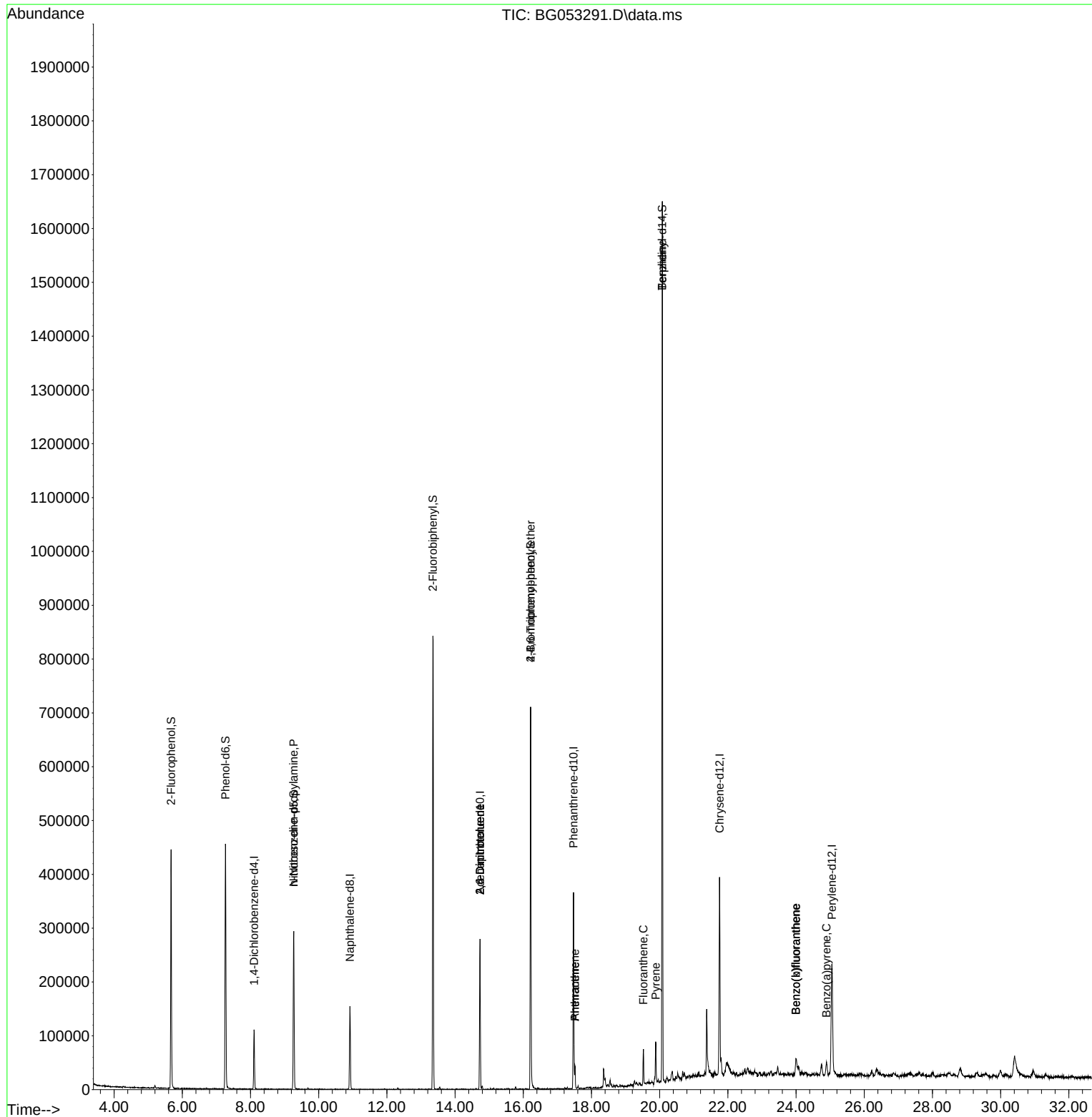
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	30192	20.000	ng	0.00
21) Naphthalene-d8	10.919	136	126953	20.000	ng	0.00
39) Acenaphthene-d10	14.732	164	100352	20.000	ng	0.00
64) Phenanthrene-d10	17.475	188	239340	20.000	ng	0.00
76) Chrysene-d12	21.757	240	230147	20.000	ng	0.00
86) Perylene-d12	25.053	264	236142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	185191	105.144	ng	0.00
7) Phenol-d6	7.265	99	269308	99.152	ng	0.00
23) Nitrobenzene-d5	9.268	82	192850	61.679	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	144228	90.337	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	450029	61.837	ng	0.00
79) Terphenyl-d14	20.077	244	841329	61.740	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.268	70	27109	13.633	ng	# 76
51) 2,6-Dinitrotoluene	14.732	165	13175	7.868	ng	# 27
57) 2,4-Dinitrotoluene	14.732	165	13175	5.527	ng	# 26
67) 4-Bromophenyl-phenylether	16.218	248	9433	3.076	ng	# 1
71) Phenanthrene	17.516	178	28399	2.172	ng	94
72) Anthracene	17.516	178	28399	2.193	ng	95
75) Fluoranthene	19.525	202	42366	2.528	ng	93
77) Benzidine	20.077	184	13921	2.120	ng	# 88
78) Pyrene	19.889	202	49053	2.993	ng	98
88) Benzo(b)fluoranthene	24.001	252	39634	2.660	ng	# 93
89) Benzo(k)fluoranthene	24.001	252	39634	2.707	ng	93
90) Benzo(a)pyrene	24.894	252	30674	2.417	ng	# 92

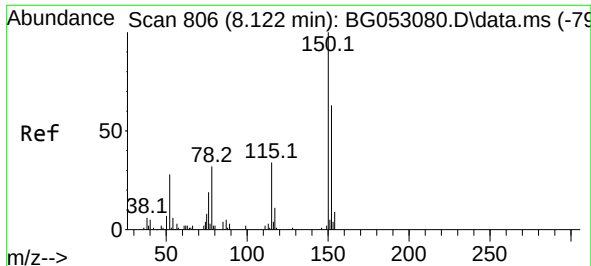
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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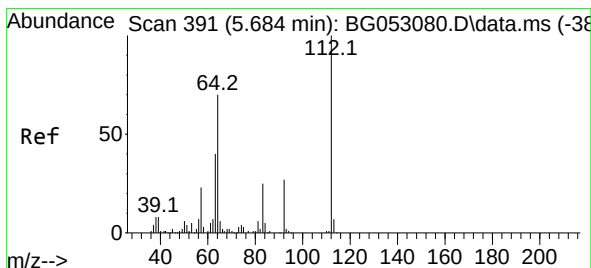
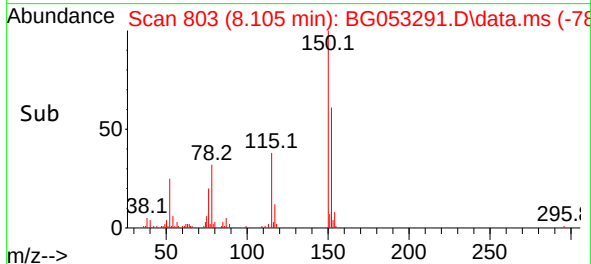
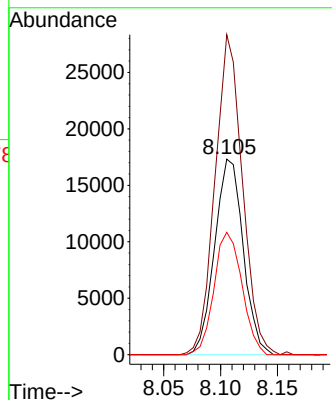
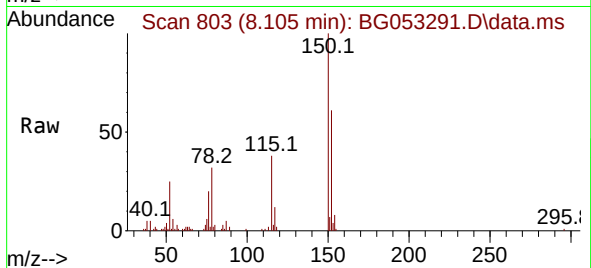




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 806
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

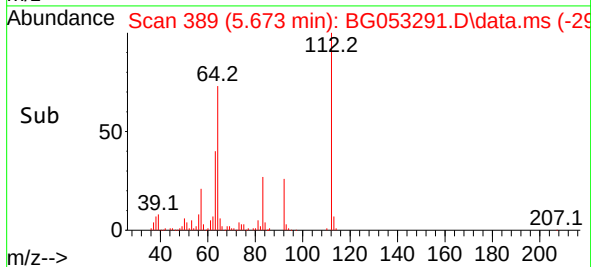
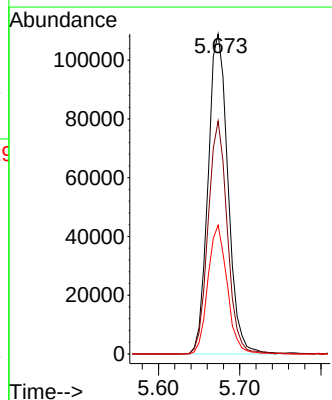
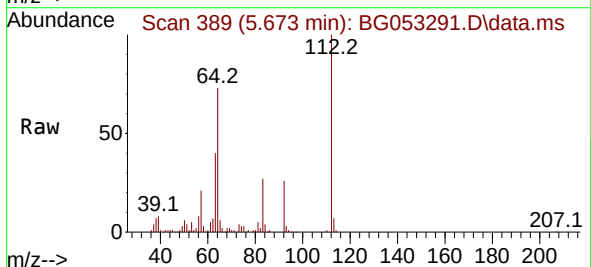
Instrument :
BNA_G
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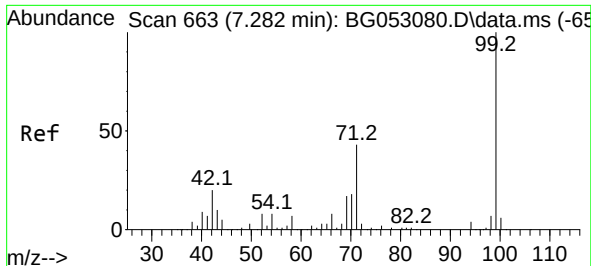
Tgt Ion:152 Resp: 30192
Ion Ratio Lower Upper
152 100
150 163.6 114.6 172.0
115 62.6 45.9 68.9



#5
2-Fluorophenol
Concen: 105.144 ng
RT: 5.673 min Scan# 389
Delta R.T. -0.002 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:112 Resp: 185191
Ion Ratio Lower Upper
112 100
64 72.8 48.0 72.0#
63 40.3 26.5 39.7#

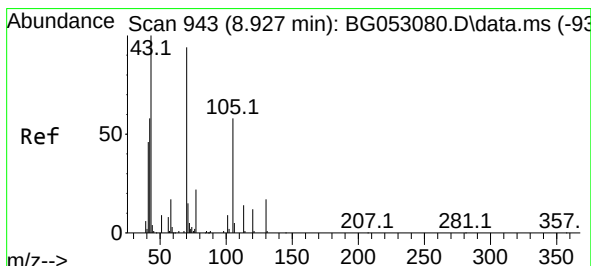
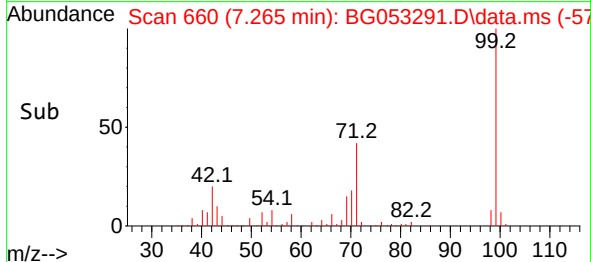
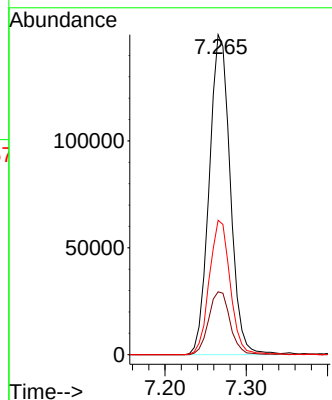
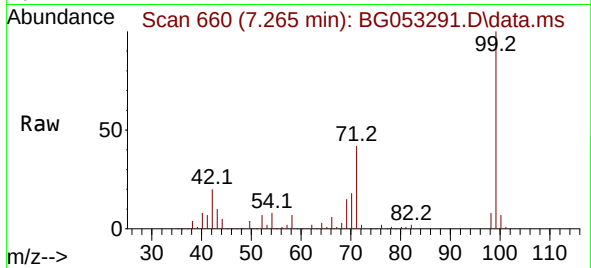




#7
Phenol-d6
Concen: 99.152 ng
RT: 7.265 min Scan# 60
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

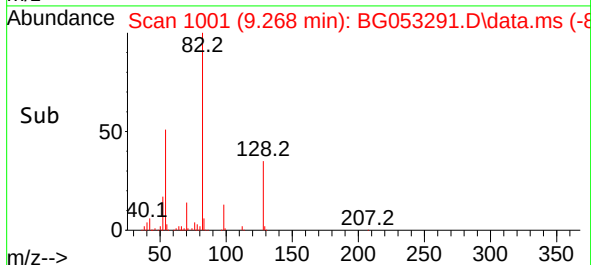
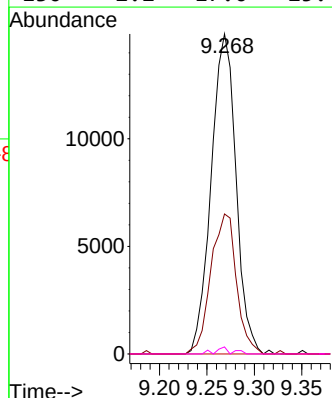
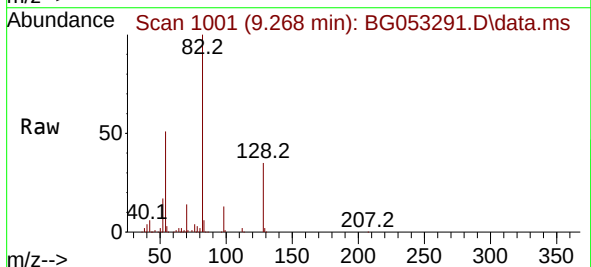
Instrument :
BNA_G
ClientSampleId :
MH-3S

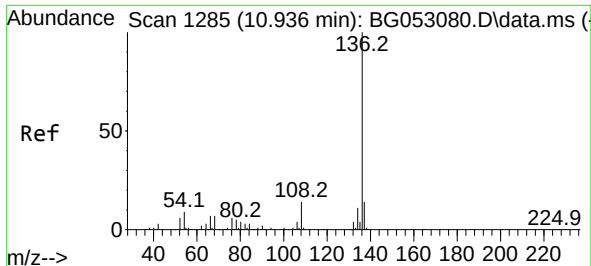
Tgt Ion: 99 Resp: 269308
Ion Ratio Lower Upper
99 100
42 19.7 14.7 22.1
71 42.0 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.633 ng
RT: 9.268 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion: 70 Resp: 27109
Ion Ratio Lower Upper
70 100
42 43.8 46.0 69.0#
101 0.0 6.2 9.4#
130 2.2 17.0 25.4#

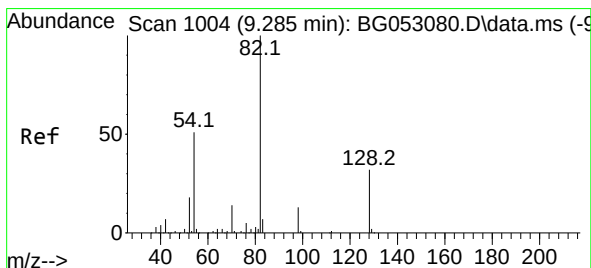
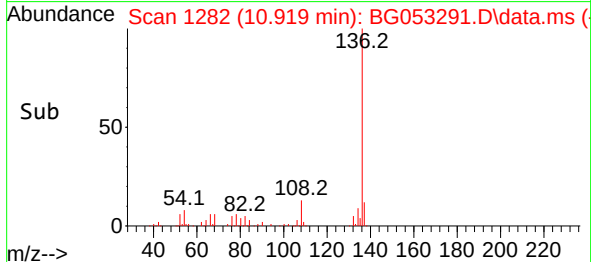
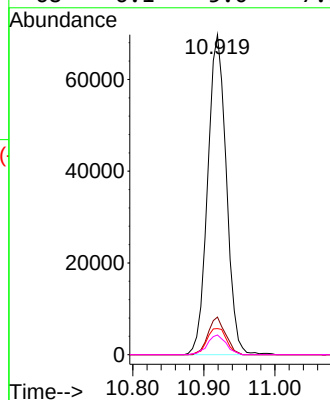
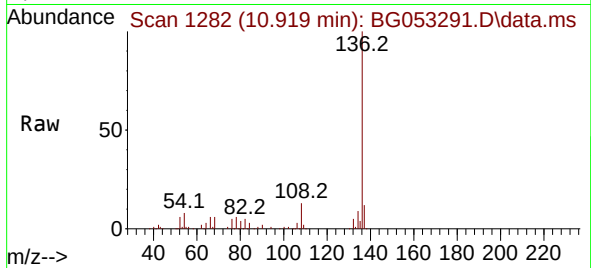




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.919 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

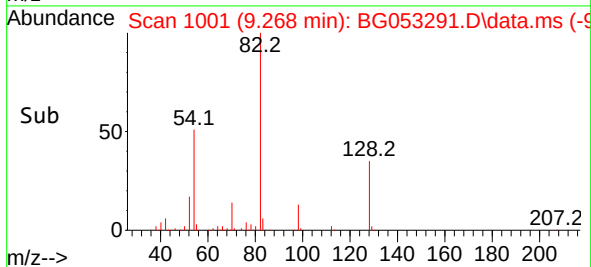
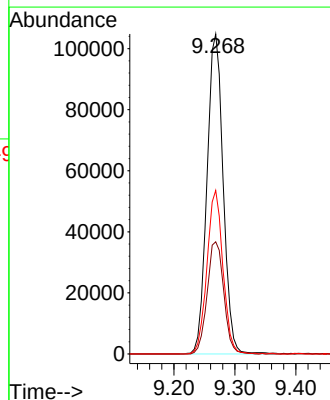
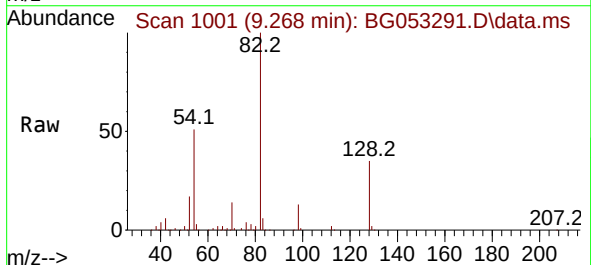
Instrument :
BNA_G
ClientSampleId :
MH-3S

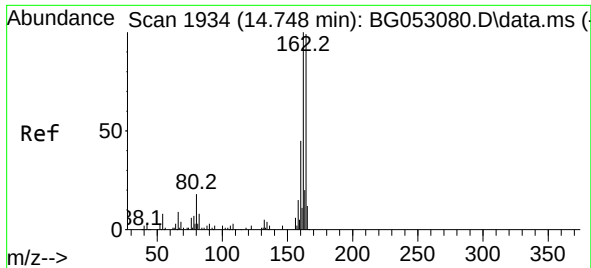
Tgt Ion:136 Resp: 126953
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 8.1 6.4 9.6
68 6.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 61.679 ng
RT: 9.268 min Scan# 1001
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion: 82 Resp: 192850
Ion Ratio Lower Upper
82 100
128 35.0 31.3 46.9
54 51.1 37.8 56.8

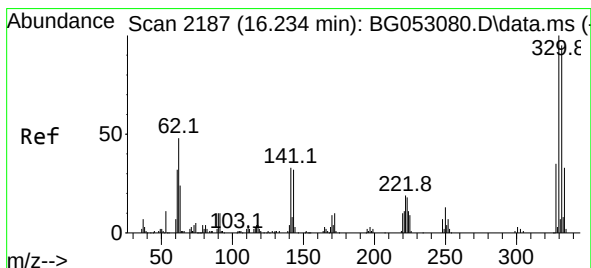
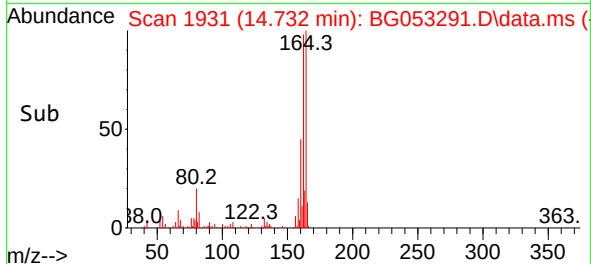
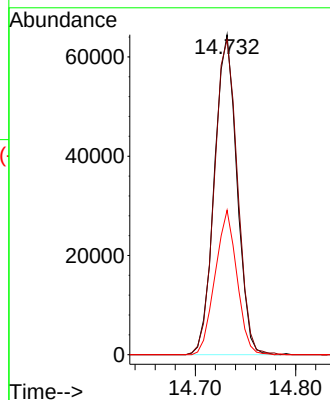
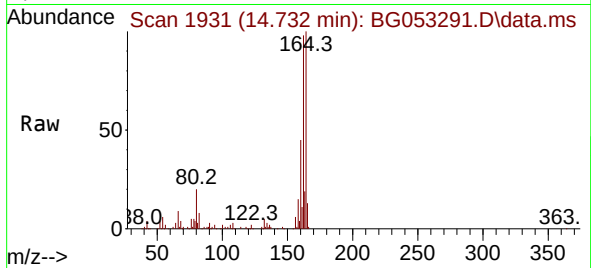




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.732 min Scan# 1931
Delta R.T. -0.002 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

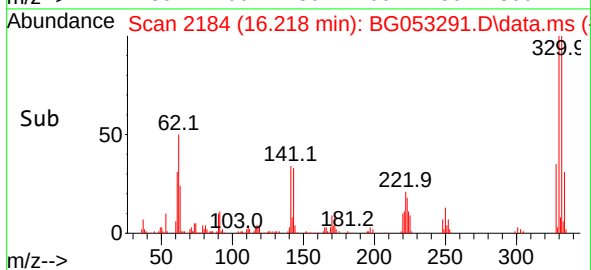
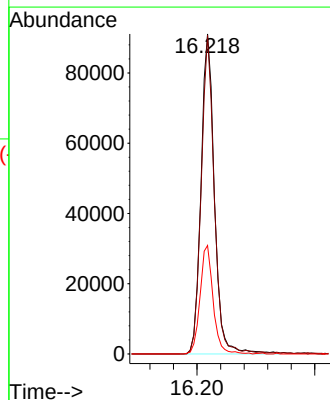
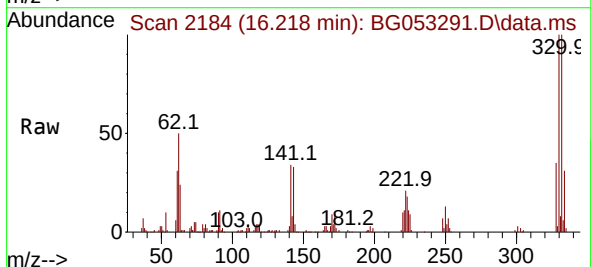
Instrument :
BNA_G
ClientSampleId :
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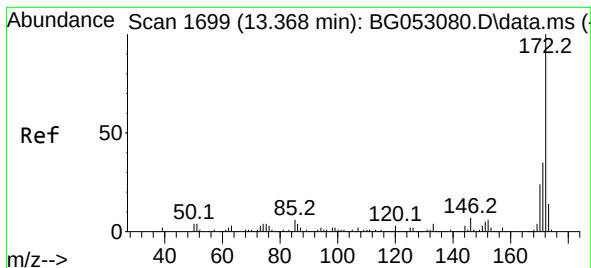
Tgt Ion:164 Resp: 100352
Ion Ratio Lower Upper
164 100
162 98.4 80.0 120.0
160 45.2 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 90.337 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:330 Resp: 144228
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.6
141 33.0 24.6 36.8

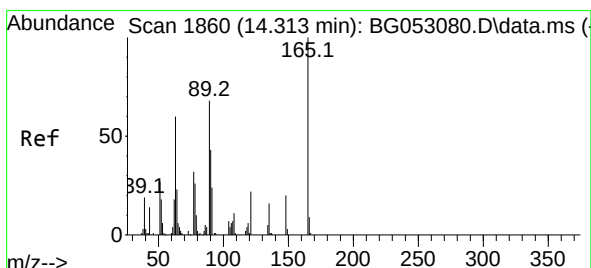
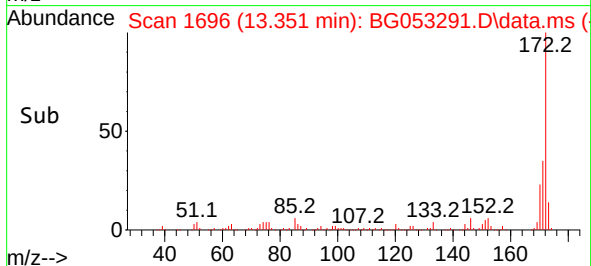
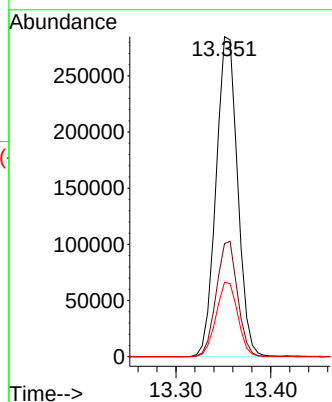
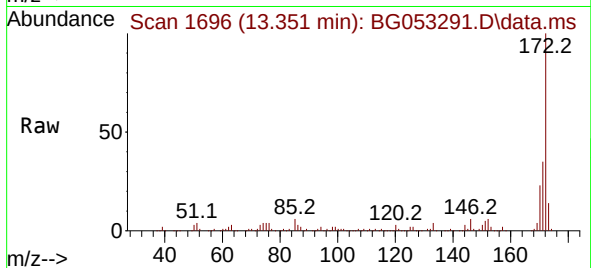




#45
2-Fluorobiphenyl
Concen: 61.837 ng
RT: 13.351 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

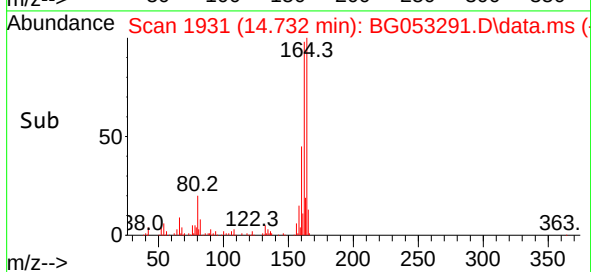
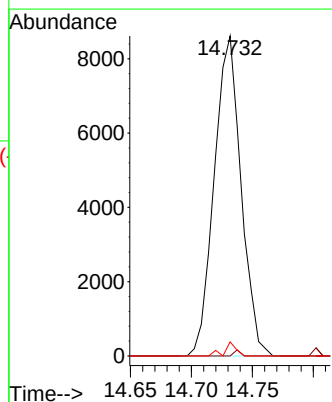
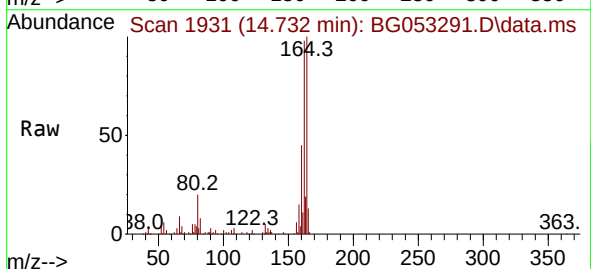
Instrument :
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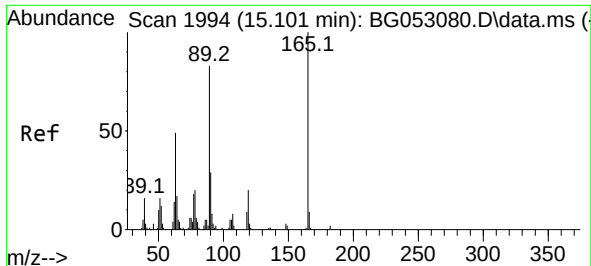
Tgt Ion:172 Resp: 450029
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.2 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.868 ng
RT: 14.732 min Scan# 1931
Delta R.T. 0.427 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:165 Resp: 13175
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 4.4 45.0 67.4#

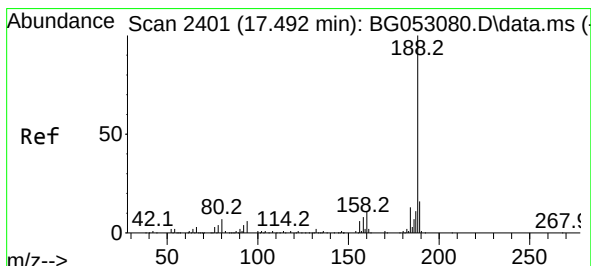
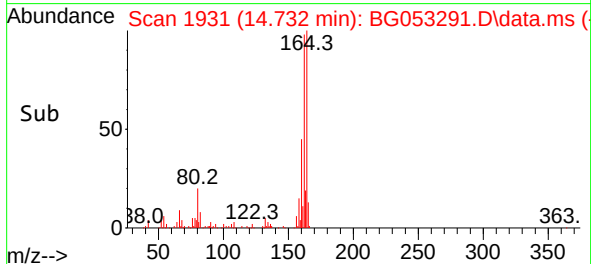
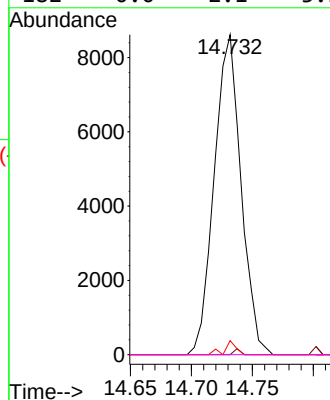
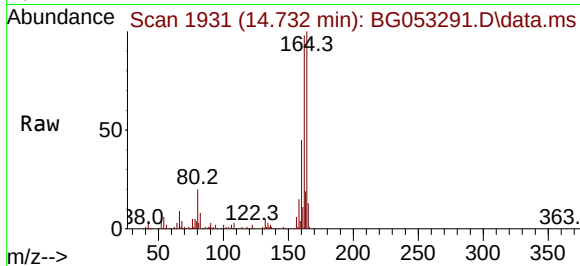




#57
2,4-Dinitrotoluene
Concen: 5.527 ng
RT: 14.732 min Scan# 1931
Delta R.T. -0.361 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

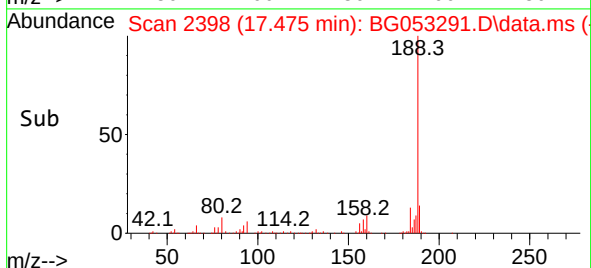
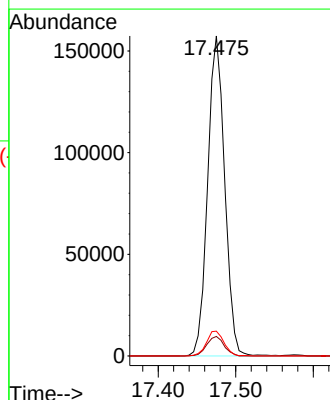
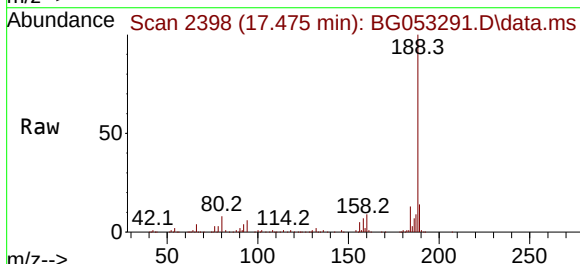
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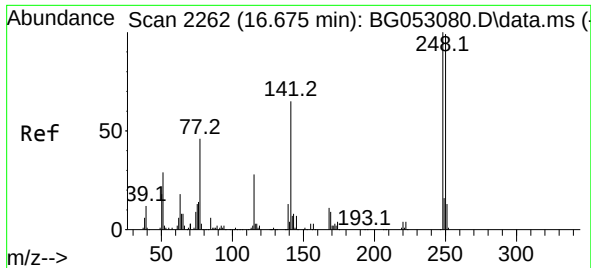
Tgt Ion:	165	Resp:	13175
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.8	52.2#
89	4.4	57.4	86.0#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.475 min Scan# 2398
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:	188	Resp:	239340
Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	7.7	7.2	10.8

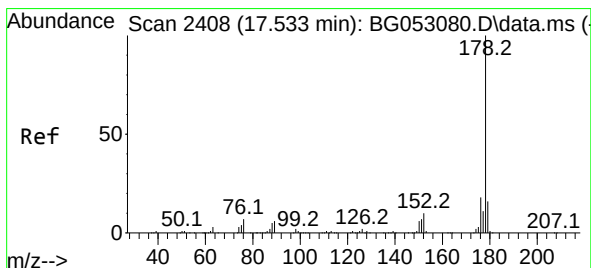
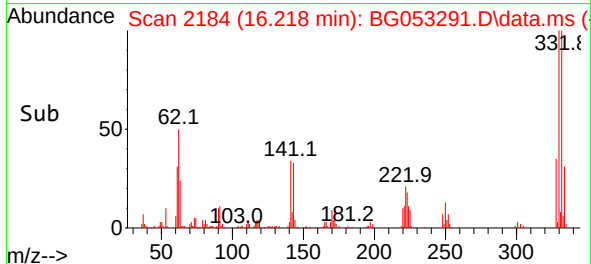
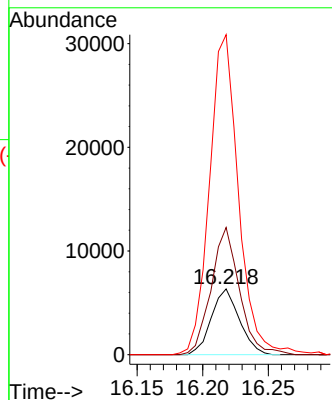
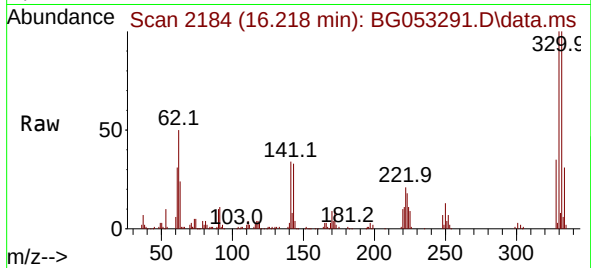




#67
4-Bromophenyl-phenylether
Concen: 3.076 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.443 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

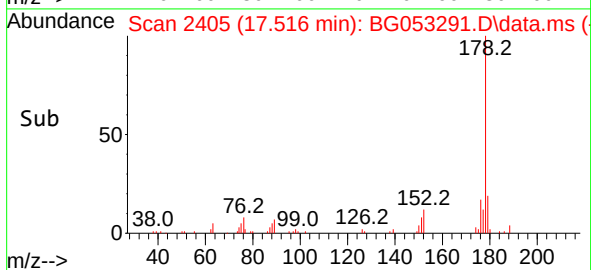
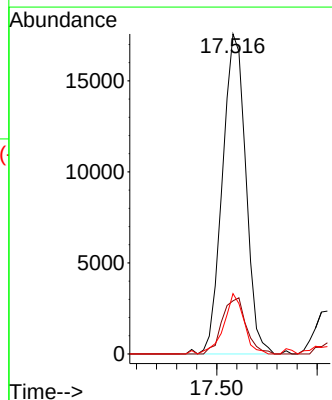
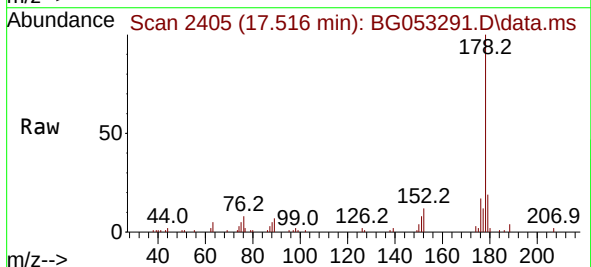
Instrument :
BNA_G
ClientSampleId :
MH-3S

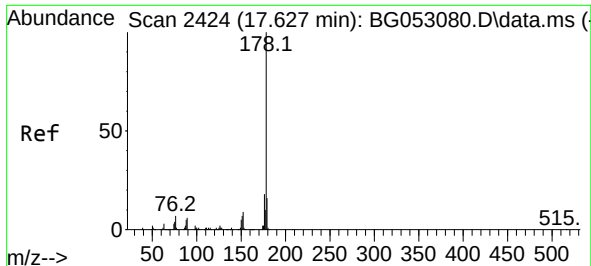
Tgt Ion:248 Resp: 9433
Ion Ratio Lower Upper
248 100
250 193.2 77.9 116.9#
141 486.2 49.2 73.8#



#71
Phenanthrene
Concen: 2.172 ng
RT: 17.516 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:178 Resp: 28399
Ion Ratio Lower Upper
178 100
176 16.6 15.9 23.9
179 18.8 13.4 20.2

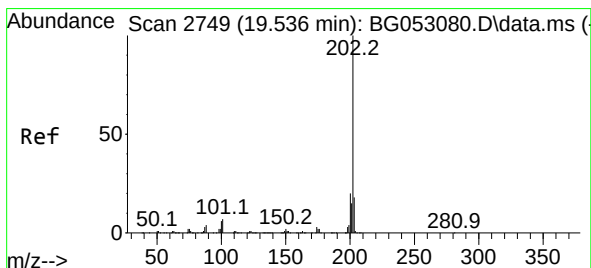
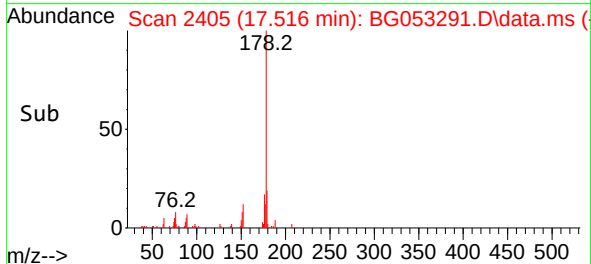
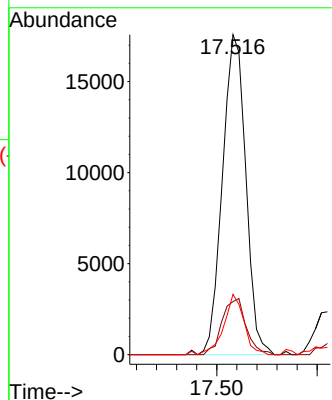
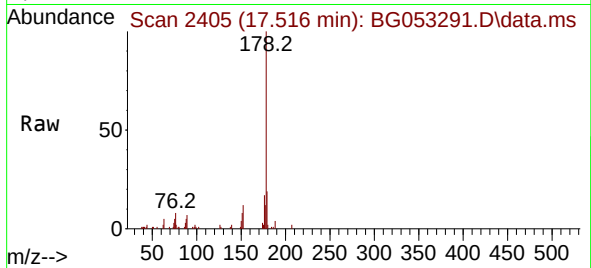




#72
 Anthracene
 Concen: 2.193 ng
 RT: 17.516 min Scan# 2424
 Delta R.T. -0.096 min
 Lab File: BG053291.D
 Acq: 23 Apr 2022 13:48

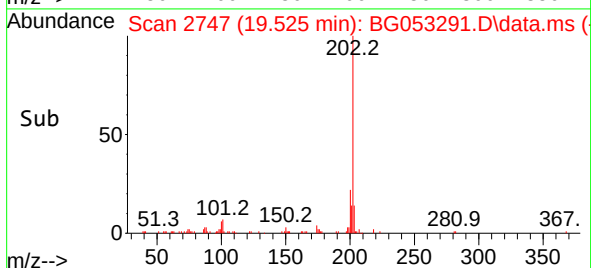
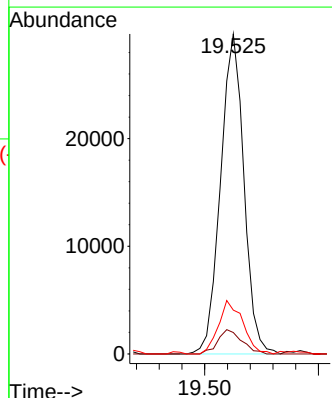
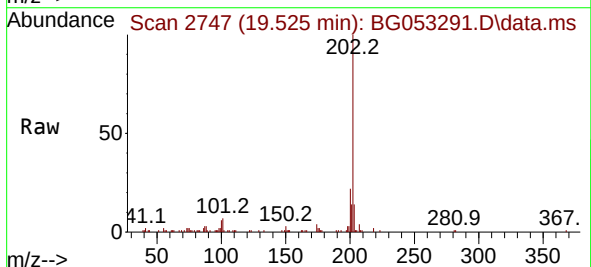
Instrument :
 BNA_G
 ClientSampleId :
 MH-3S

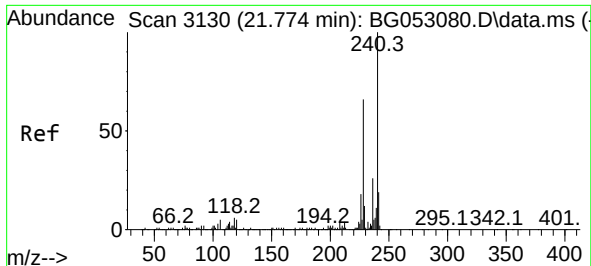
Tgt Ion:178 Resp: 28399
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.7 22.1
 179 18.8 13.2 19.8



#75
 Fluoranthene
 Concen: 2.528 ng
 RT: 19.525 min Scan# 2747
 Delta R.T. -0.002 min
 Lab File: BG053291.D
 Acq: 23 Apr 2022 13:48

Tgt Ion:202 Resp: 42366
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 27.3
 203 13.7 0.0 37.7

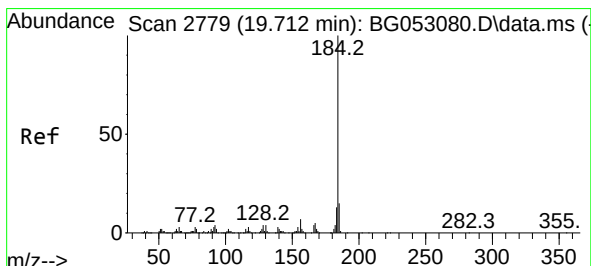
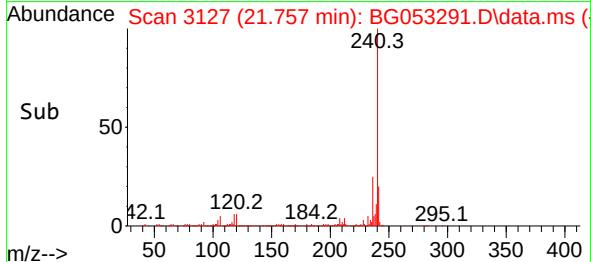
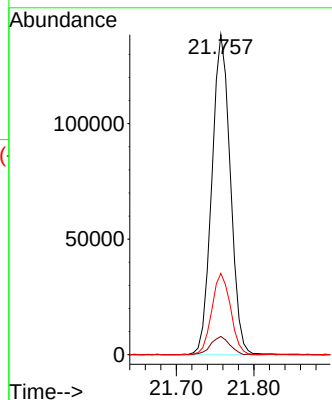
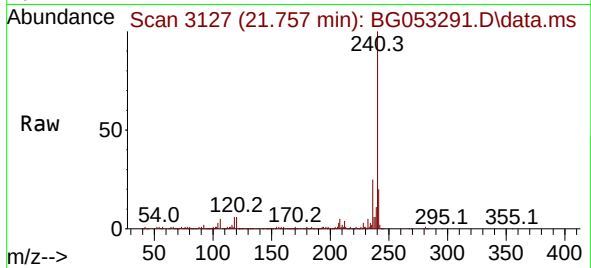




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.757 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

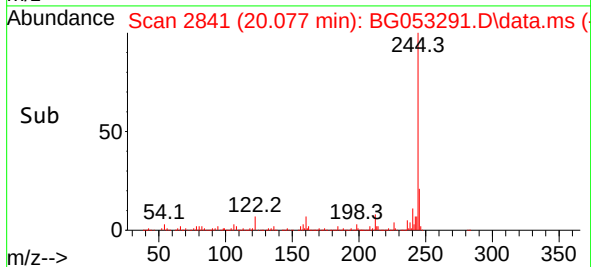
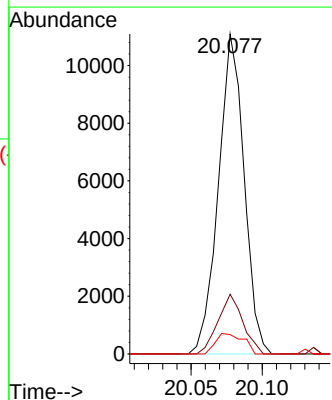
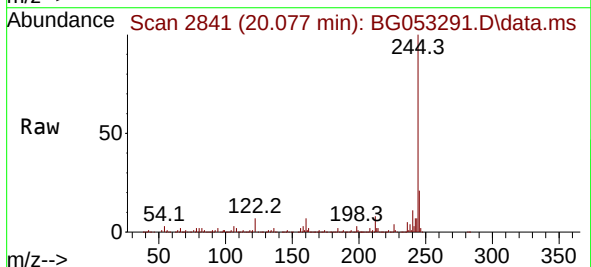
Instrument :
BNA_G
ClientSampleId :
MH-3S

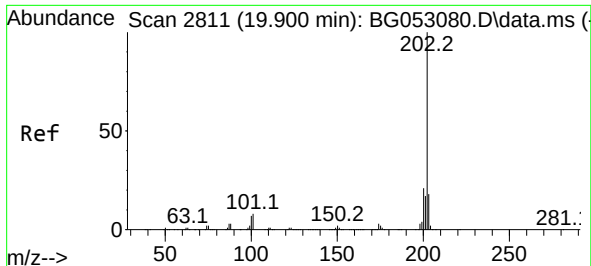
Tgt Ion:240 Resp: 230147
Ion Ratio Lower Upper
240 100
120 5.7 5.4 8.0
236 25.4 19.8 29.6



#77
Benzidine
Concen: 2.120 ng
RT: 20.077 min Scan# 2841
Delta R.T. 0.374 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:184 Resp: 13921
Ion Ratio Lower Upper
184 100
185 18.6 11.5 17.3#
183 6.1 9.4 14.2#

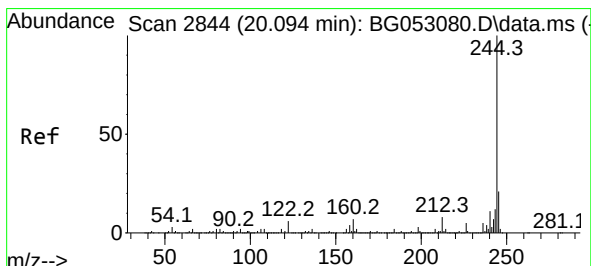
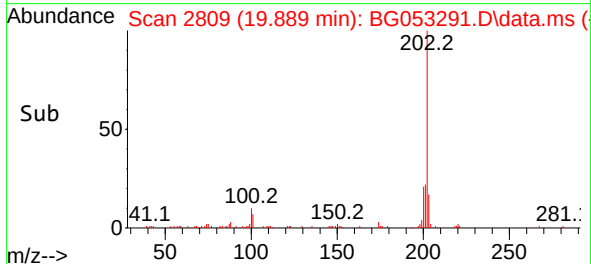
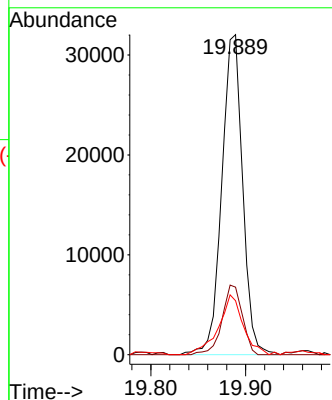
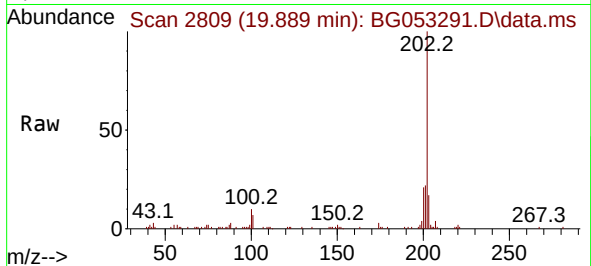




#78
 Pyrene
 Concen: 2.993 ng
 RT: 19.889 min Scan# 2809
 Delta R.T. -0.002 min
 Lab File: BG053291.D
 Acq: 23 Apr 2022 13:48

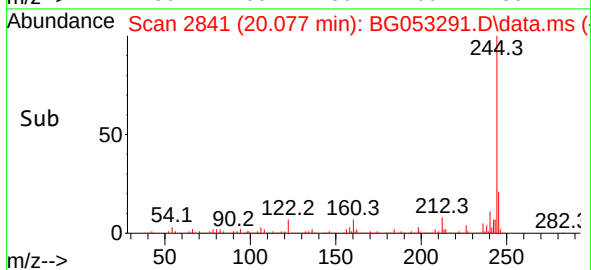
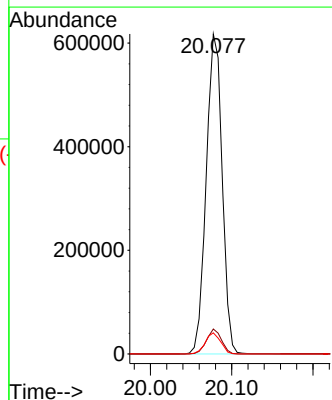
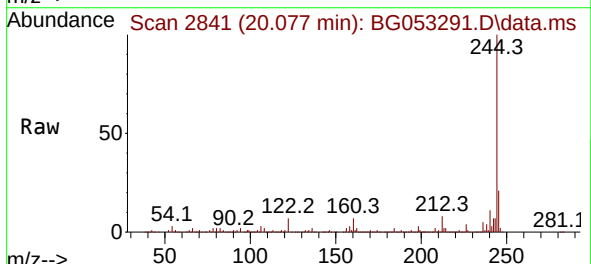
Instrument :
 BNA_G
 ClientSampleId :
 MH-3S

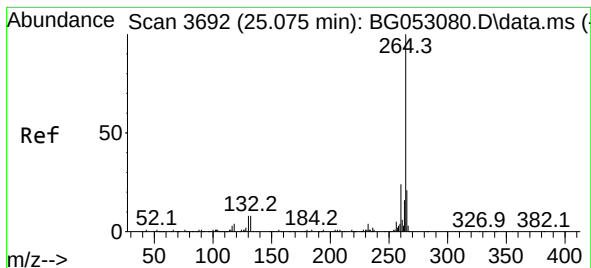
Tgt Ion:202 Resp: 49053
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.6
 203 16.9 15.0 22.6



#79
 Terphenyl-d14
 Concen: 61.740 ng
 RT: 20.077 min Scan# 2841
 Delta R.T. -0.008 min
 Lab File: BG053291.D
 Acq: 23 Apr 2022 13:48

Tgt Ion:244 Resp: 841329
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.6 5.8 8.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.053 min Scan# 3

Delta R.T. -0.008 min

Lab File: BG053291.D

Acq: 23 Apr 2022 13:48

Instrument :

BNA_G

ClientSampleId :

MH-3S

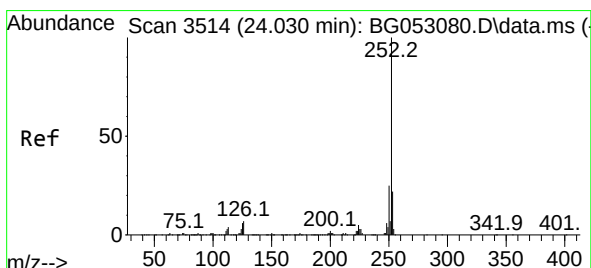
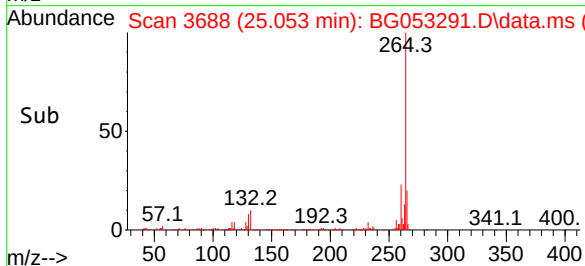
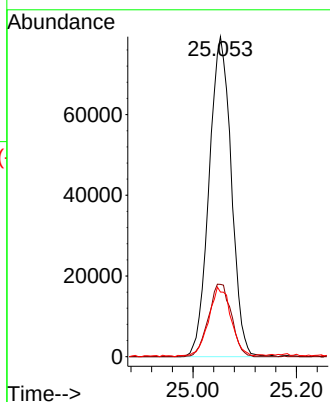
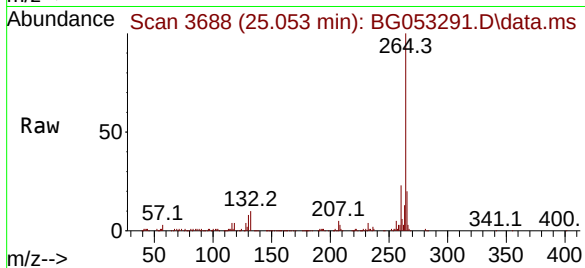
Tgt Ion:264 Resp: 236142

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.2

265 20.2 15.1 22.7



#88

Benzo(b)fluoranthene

Concen: 2.660 ng

RT: 24.001 min Scan# 3509

Delta R.T. -0.020 min

Lab File: BG053291.D

Acq: 23 Apr 2022 13:48

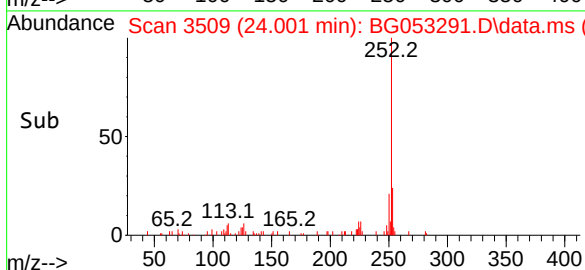
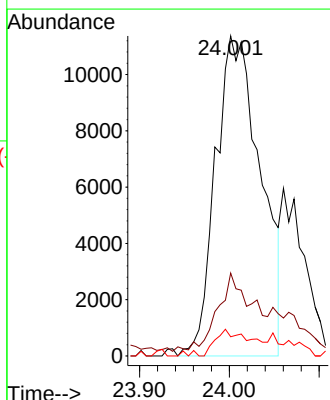
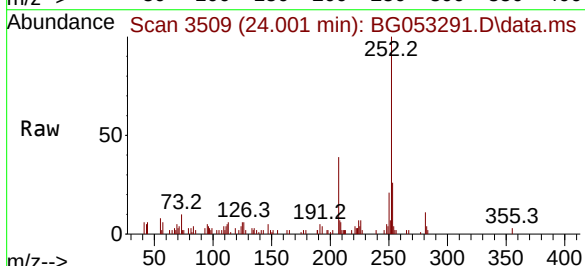
Tgt Ion:252 Resp: 39634

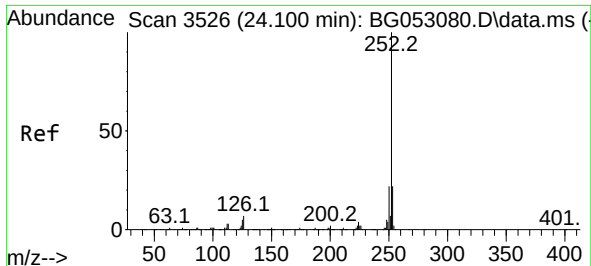
Ion Ratio Lower Upper

252 100

253 25.9 17.2 25.8#

125 6.0 5.2 7.8

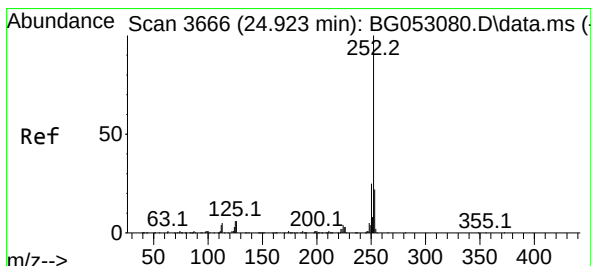
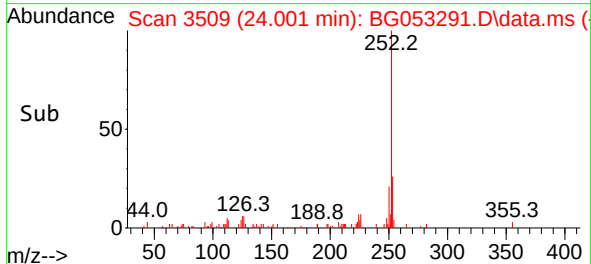
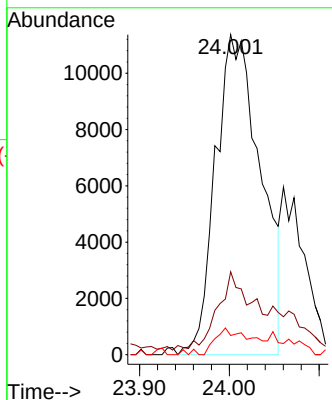
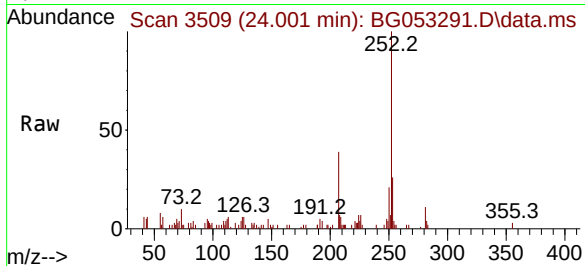




#89
Benzo(k)fluoranthene
Concen: 2.707 ng
RT: 24.001 min Scan# 31
Delta R.T. -0.085 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Instrument :
BNA_G
ClientSampleId :
MH-3S

Tgt Ion:252 Resp: 39634
Ion Ratio Lower Upper
252 100
253 25.9 17.4 26.0
125 6.0 5.0 7.4



#90
Benzo(a)pyrene
Concen: 2.417 ng
RT: 24.894 min Scan# 3661
Delta R.T. -0.020 min
Lab File: BG053291.D
Acq: 23 Apr 2022 13:48

Tgt Ion:252 Resp: 30674
Ion Ratio Lower Upper
252 100
253 27.1 18.4 27.6
125 8.8 5.6 8.4#

