

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
 Data File : BG052435.D
 Acq On : 21 Feb 2022 13:36
 Operator : CG/JU
 Sample : N1600-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AA9

Quant Time: Feb 21 14:32:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

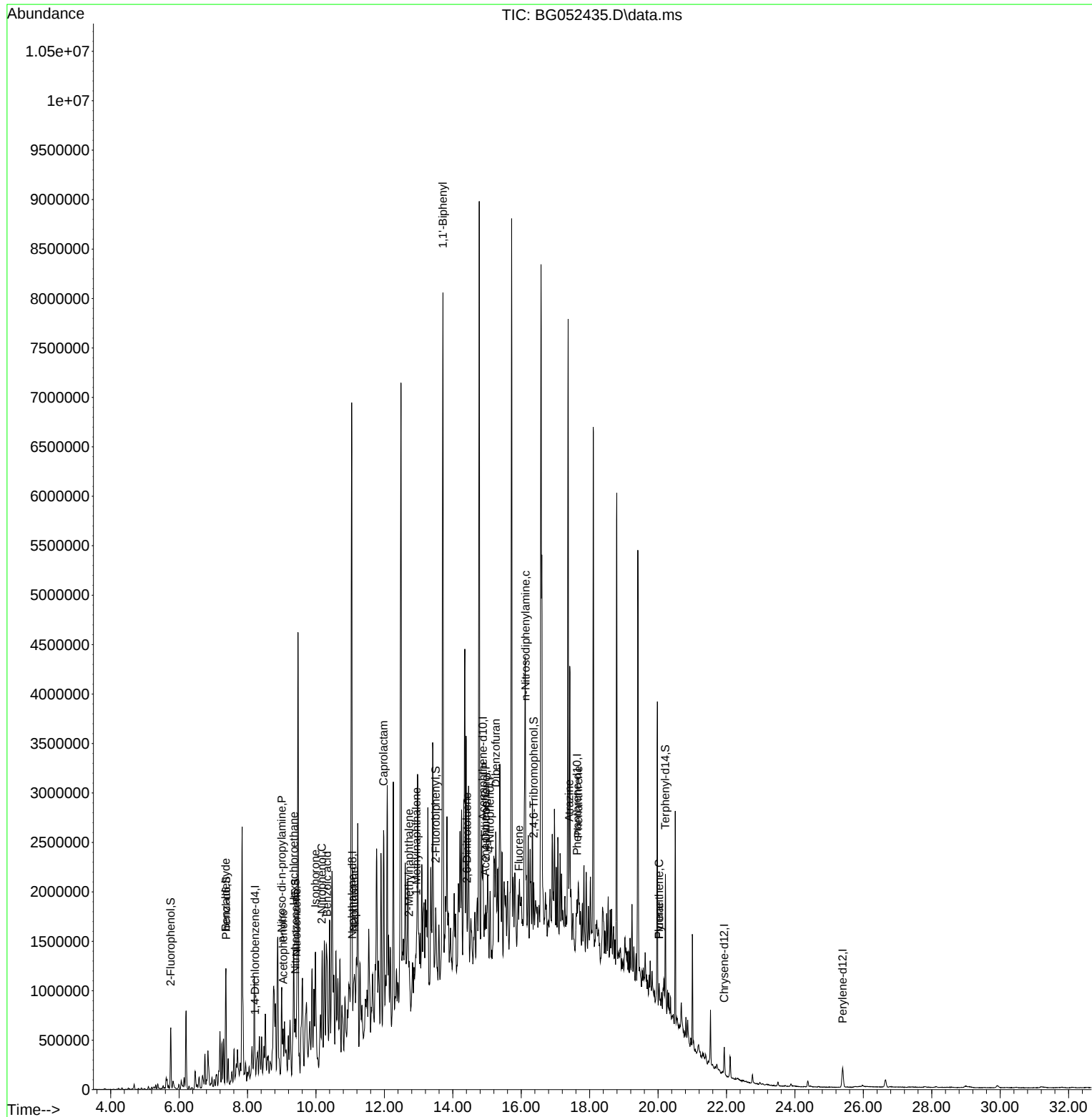
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	36866	20.000	ng	0.00
21) Naphthalene-d8	11.069	136	136919	20.000	ng	# 0.00
39) Acenaphthene-d10	14.881	164	91366	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	175048	20.000	ng	# 0.00
76) Chrysene-d12	21.936	240	180947	20.000	ng	0.00
86) Perylene-d12	25.396	264	212129	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.752	112	222026	104.964	ng	0.00
7) Phenol-d6	7.374	99	285782	87.563	ng	0.00
23) Nitrobenzene-d5	9.400	82	227671	72.268	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	114018	86.863	ng	0.00
45) 2-Fluorobiphenyl	13.501	172	423956	64.477	ng	0.00
79) Terphenyl-d14	20.215	244	633843	61.857	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.362	77	18146	7.579	ng	# 1
18) Hexachloroethane	9.353	117	93799	99.808	ng	# 1
19) n-Nitroso-di-n-propyla...	9.001	70	32324	13.137	ng	# 60
22) Acetophenone	9.042	105	251485	69.496	ng	# 54
24) Nitrobenzene	9.435	77	13568	4.540	ng	# 34
25) Isophorone	9.988	82	120560	22.491	ng	# 1
26) 2-Nitrophenol	10.176	139	8297	6.550	ng	# 1
31) Naphthalene	11.121	128	117924	16.429	ng	# 81
32) Benzoic acid	10.328	122	112	6.058	ng	# 1
35) Caprolactam	11.979	113	19413	23.698	ng	# 1
37) 2-Methylnaphthalene	12.719	142	228461	42.852	ng	98
38) 1-Methylnaphthalene	12.937	142	146828	28.421	ng	# 99
46) 1,1'-Biphenyl	13.712	154	102056	15.233	ng	93
51) 2,6-Dinitrotoluene	14.417	165	6463	4.279	ng	# 54
52) Acenaphthene	14.951	154	11214	2.038	ng	# 1
54) 2,4-Dinitrophenol	14.963	184	769	5.674	ng	# 1
55) Dibenzofuran	15.257	168	21961	2.538	ng	# 3
56) 4-Nitrophenol	15.087	139	14098	11.958	ng	# 29
58) Fluorene	15.933	166	33904	4.908	ng	# 51
66) n-Nitrosodiphenylamine	16.126	169	94452	19.584	ng	# 56
69) Atrazine	17.401	200	23081	11.837	ng	83
71) Phenanthrene	17.671	178	38541	4.271	ng	# 79
75) Fluoranthene	20.033	202	73636	6.409	ng	89
78) Pyrene	20.033	202	73636	6.082	ng	# 95

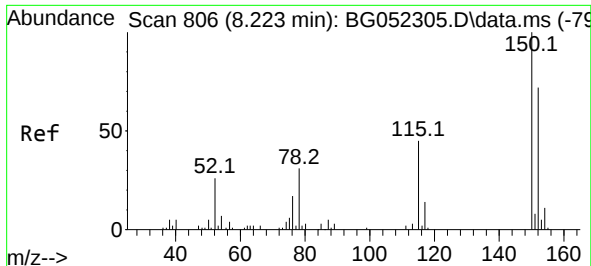
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
Data File : BG052435.D
Acq On : 21 Feb 2022 13:36
Operator : CG/JU
Sample : N1600-08
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AA9

Quant Time: Feb 21 14:32:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration

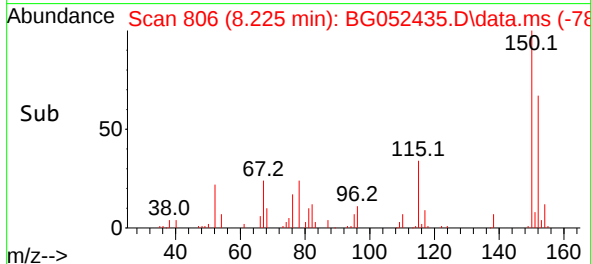
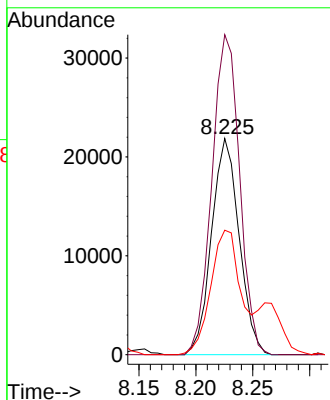
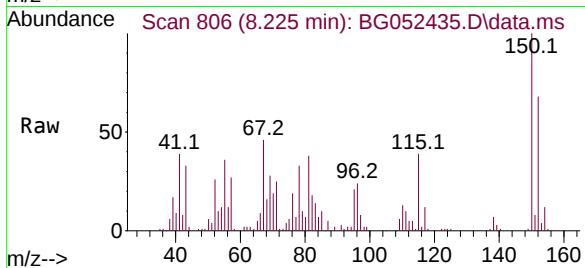




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 806
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

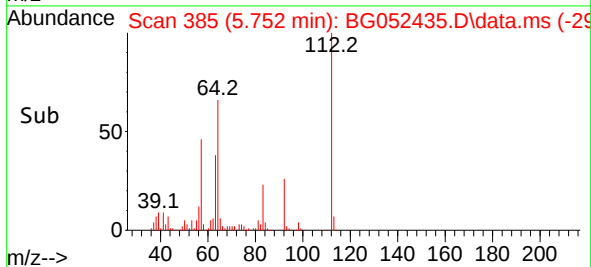
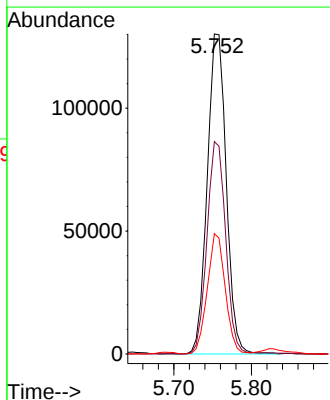
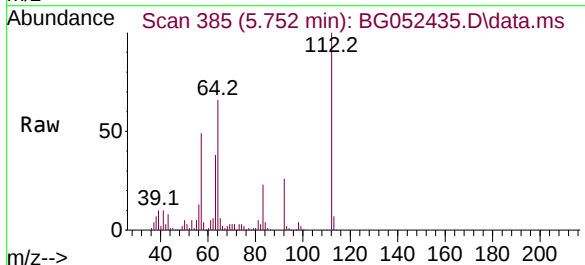
Instrument :
BNA_G
ClientSampleId :
C0AA9

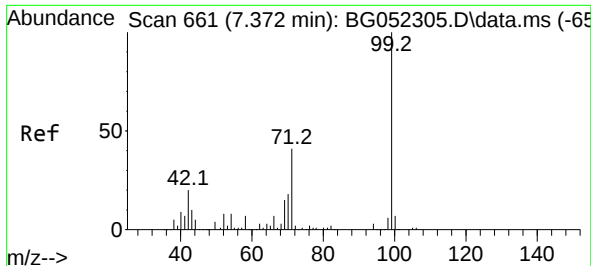
Tgt Ion:152 Resp: 36866
Ion Ratio Lower Upper
152 100
150 148.0 117.8 176.8
115 57.6 50.2 75.2



#5
2-Fluorophenol
Concen: 104.964 ng
RT: 5.752 min Scan# 385
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:112 Resp: 222026
Ion Ratio Lower Upper
112 100
64 66.4 60.4 90.6
63 37.6 33.3 49.9

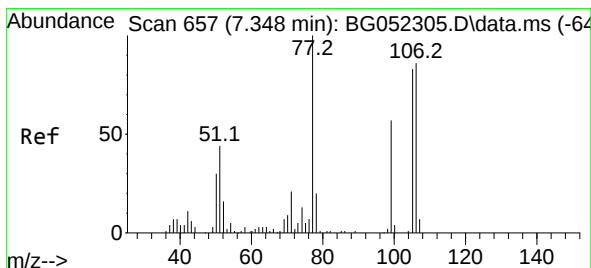
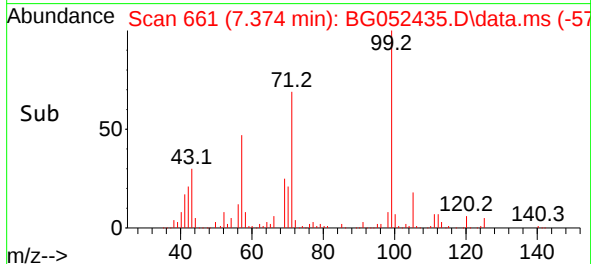
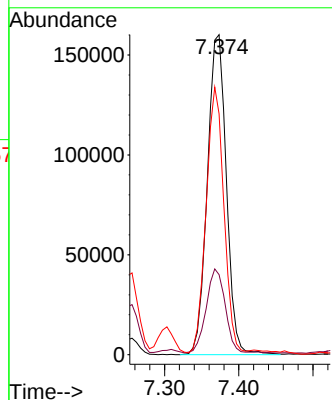
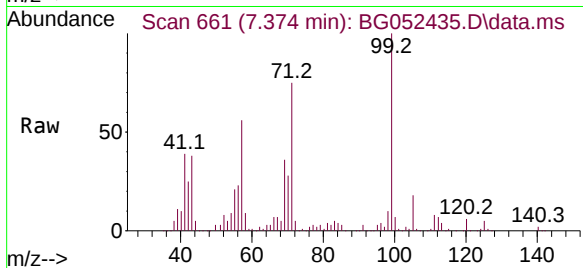




#7
Phenol-d6
Concen: 87.563 ng
RT: 7.374 min Scan# 661
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

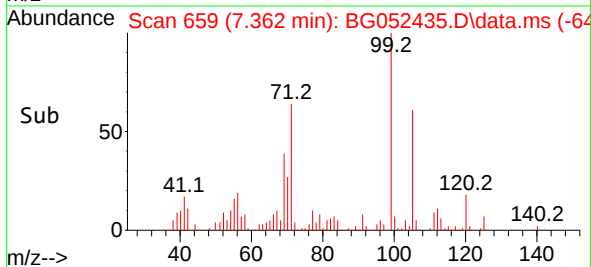
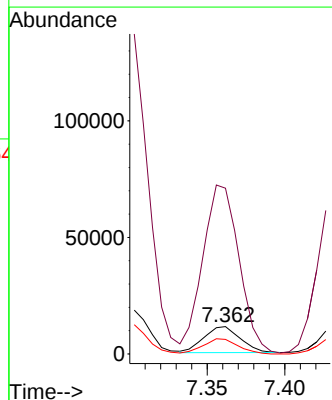
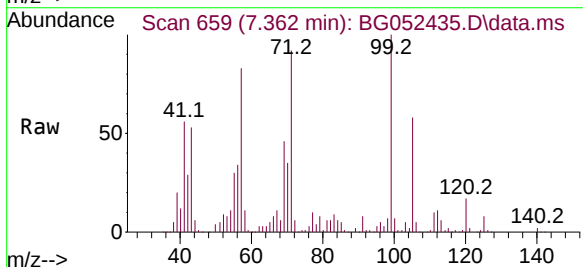
Instrument :
BNA_G
ClientSampleId :
C0AA9

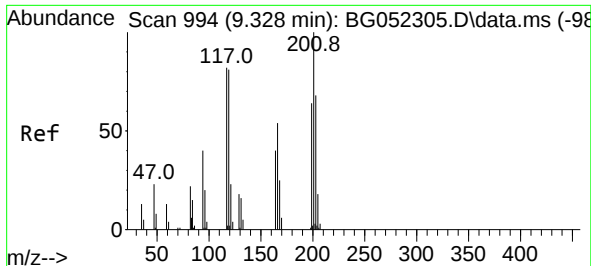
Tgt Ion: 99 Resp: 285782
Ion Ratio Lower Upper
99 100
42 25.0 19.1 28.7
71 75.2 33.4 50.2#



#9
Benzaldehyde
Concen: 7.579 ng
RT: 7.362 min Scan# 659
Delta R.T. 0.014 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion: 77 Resp: 18146
Ion Ratio Lower Upper
77 100
105 604.8 66.1 106.1#
106 53.0 58.1 98.1#

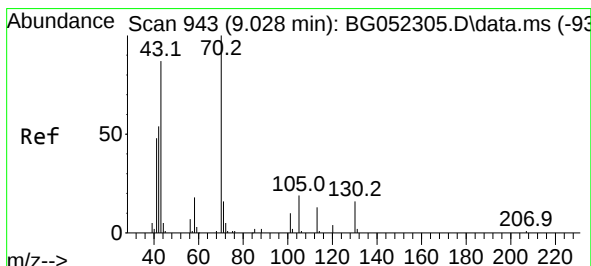
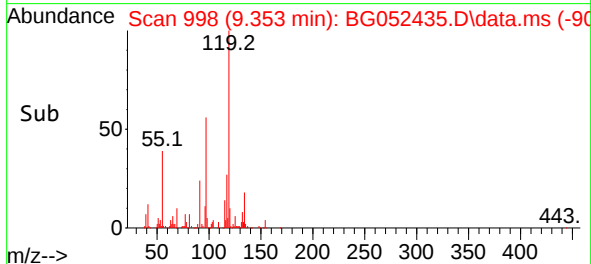
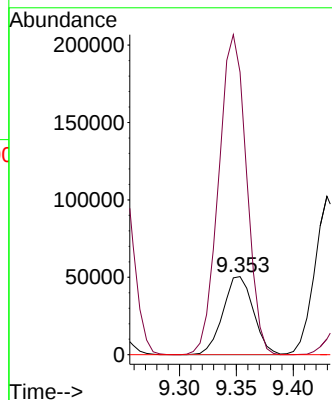
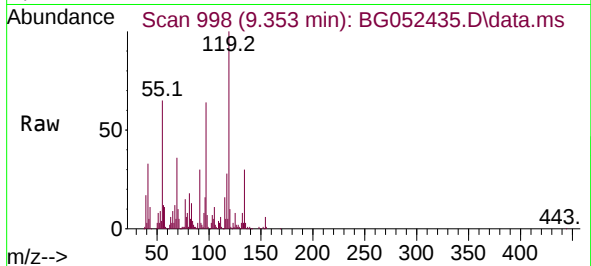




#18
Hexachloroethane
Concen: 99.808 ng
RT: 9.353 min Scan# 994
Delta R.T. 0.025 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

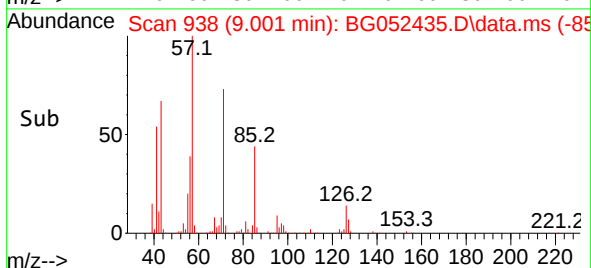
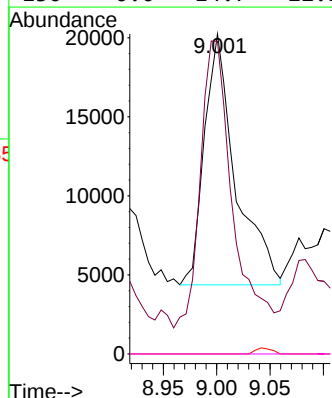
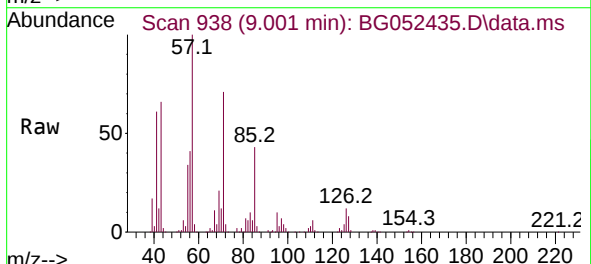
Instrument :
BNA_G
ClientSampleId :
C0AA9

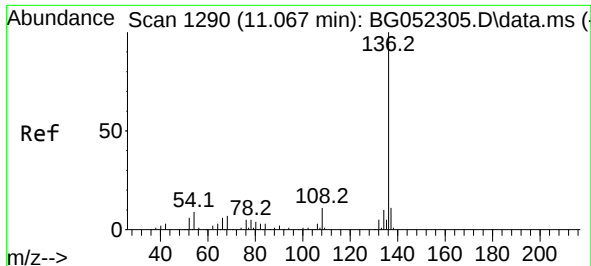
Tgt Ion:117 Resp: 93799
Ion Ratio Lower Upper
117 100
119 362.0 73.5 110.3#
201 0.0 91.0 136.6#



#19
n-Nitroso-di-n-propylamine
Concen: 13.137 ng
RT: 9.001 min Scan# 938
Delta R.T. -0.027 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion: 70 Resp: 32324
Ion Ratio Lower Upper
70 100
42 97.7 51.8 77.6#
101 0.0 6.6 10.0#
130 0.0 14.7 22.1#

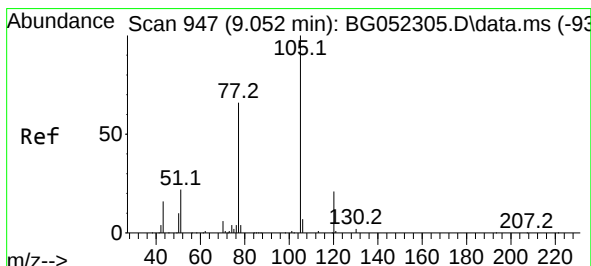
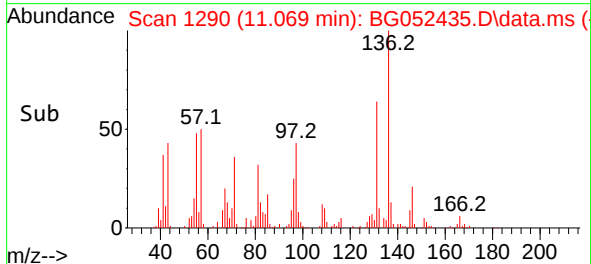
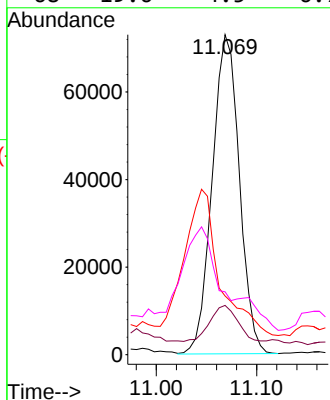
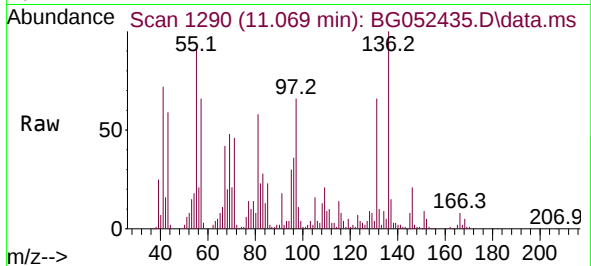




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.069 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

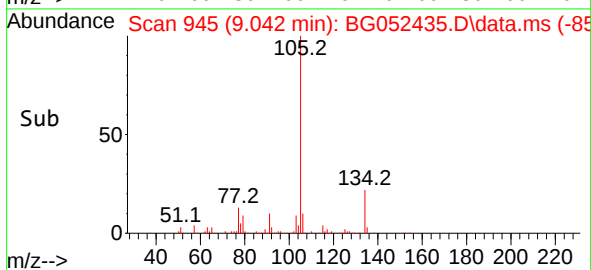
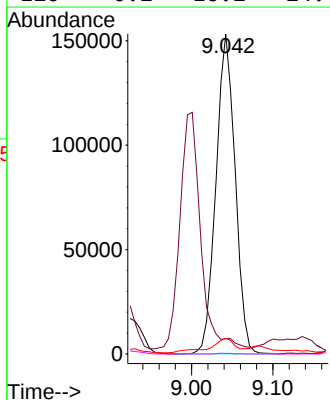
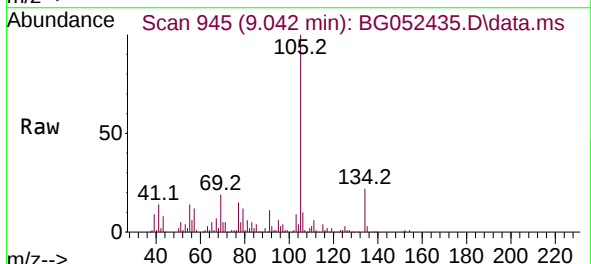
Instrument :
BNA_G
ClientSampleId :
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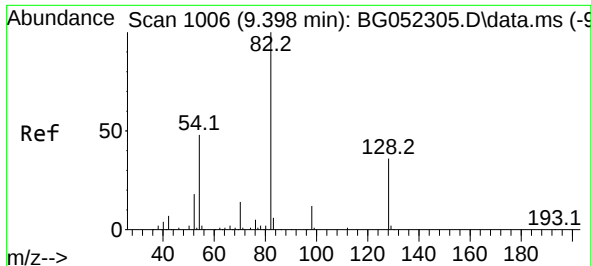
Tgt Ion:136 Resp: 136919
Ion Ratio Lower Upper
136 100
137 15.4 9.1 13.7#
54 18.4 8.3 12.5#
68 19.6 4.5 6.7#



#22
Acetophenone
Concen: 69.496 ng
RT: 9.042 min Scan# 945
Delta R.T. -0.010 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:105 Resp: 251485
Ion Ratio Lower Upper
105 100
71 4.8 1.8 2.6#
51 4.9 27.0 40.4#
120 0.2 16.2 24.4#

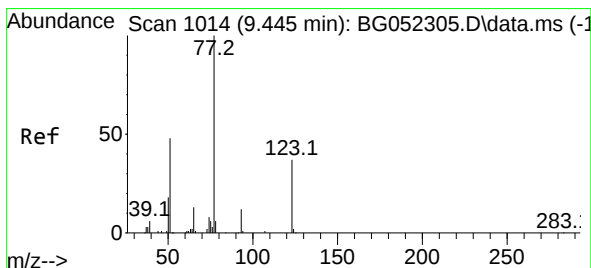
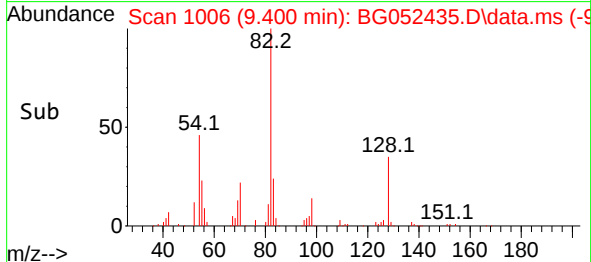
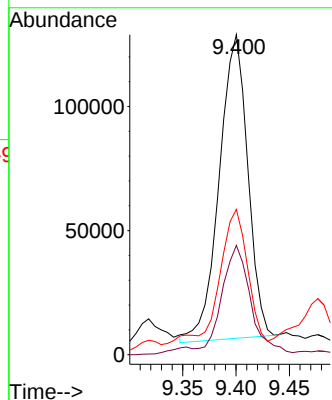
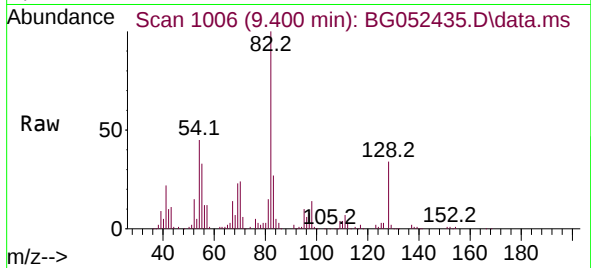




#23
Nitrobenzene-d5
Concen: 72.268 ng
RT: 9.400 min Scan# 1006
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

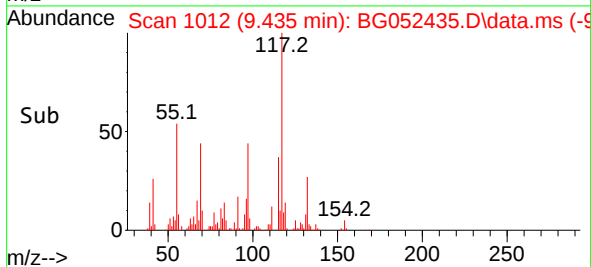
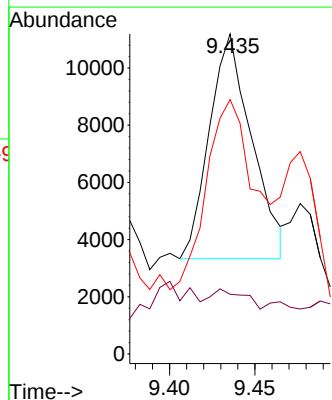
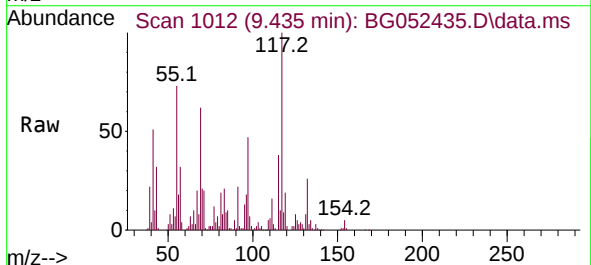
Instrument :
BNA_G
ClientSampleId :
C0AA9

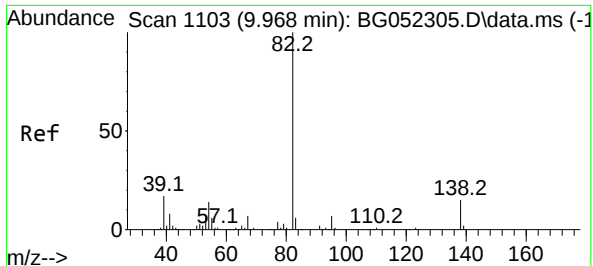
Tgt Ion: 82 Resp: 227671
Ion Ratio Lower Upper
82 100
128 34.1 27.0 40.4
54 45.4 41.0 61.6



#24
Nitrobenzene
Concen: 4.540 ng
RT: 9.435 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion: 77 Resp: 13568
Ion Ratio Lower Upper
77 100
123 18.6 27.1 40.7#
65 79.5 11.2 16.8#

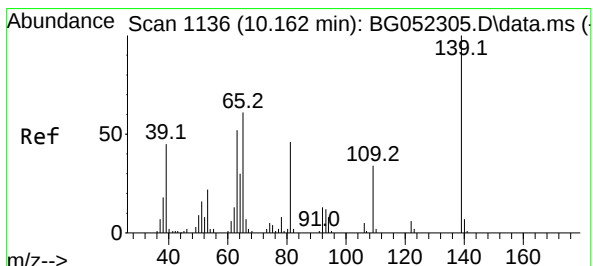
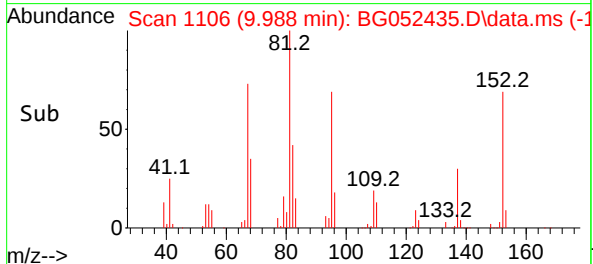
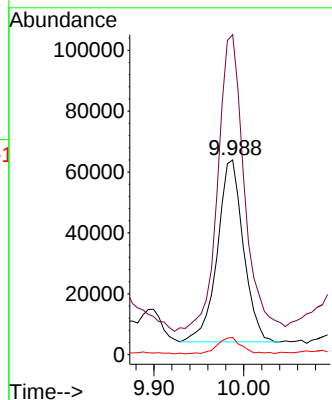
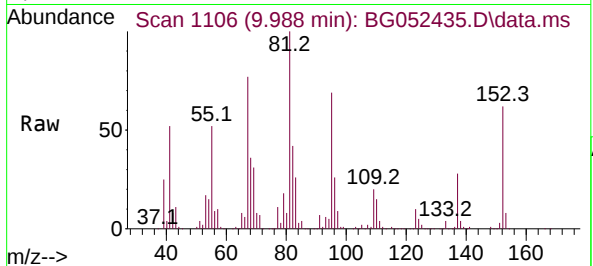




#25
Isophorone
Concen: 22.491 ng
RT: 9.988 min Scan# 1103
Delta R.T. 0.020 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

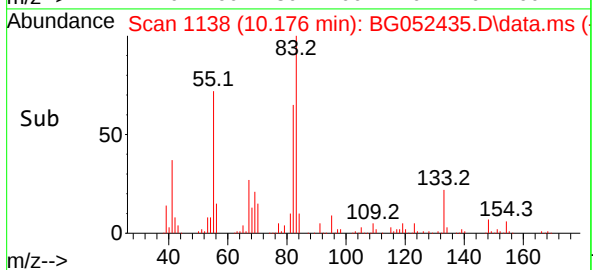
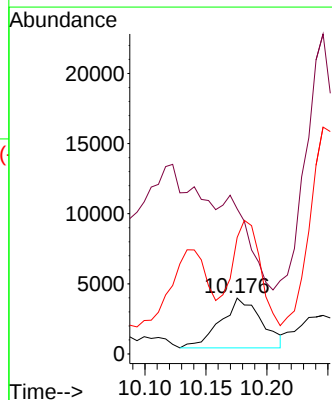
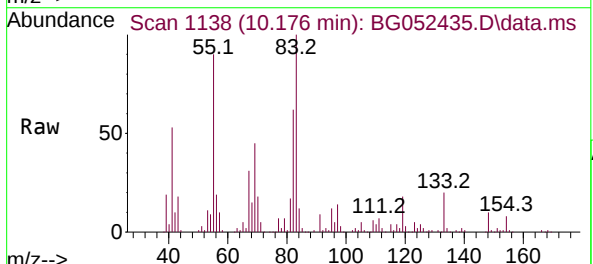
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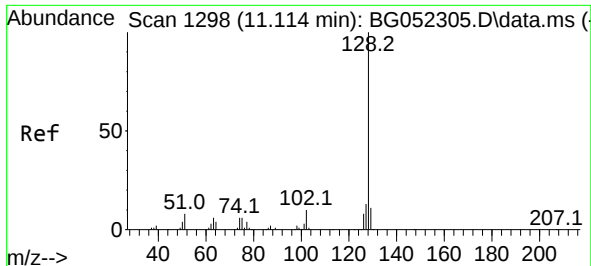
Tgt Ion: 82 Resp: 120560
Ion Ratio Lower Upper
82 100
95 164.3 6.6 9.8#
138 8.9 12.5 18.7#



#26
2-Nitrophenol
Concen: 6.550 ng
RT: 10.176 min Scan# 1138
Delta R.T. 0.014 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:139 Resp: 8297
Ion Ratio Lower Upper
139 100
109 259.5 30.4 45.6#
65 208.4 55.7 83.5#

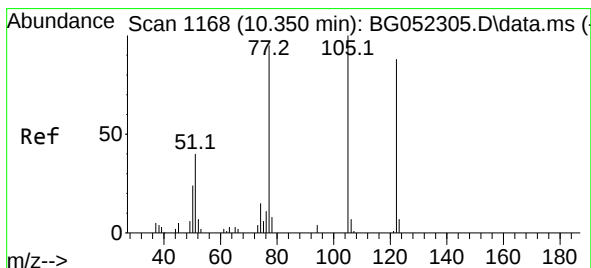
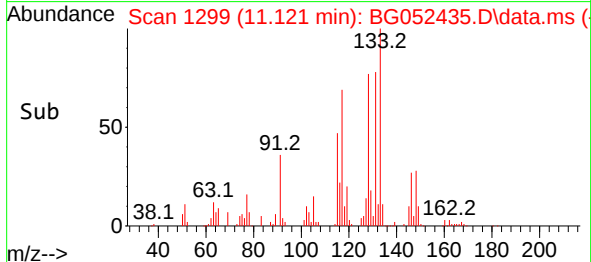
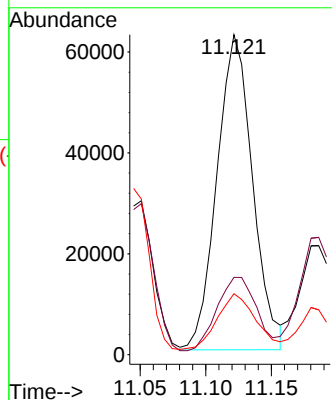
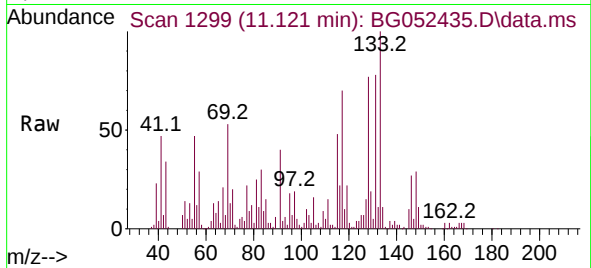




#31
Naphthalene
Concen: 16.429 ng
RT: 11.121 min Scan# 1119
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

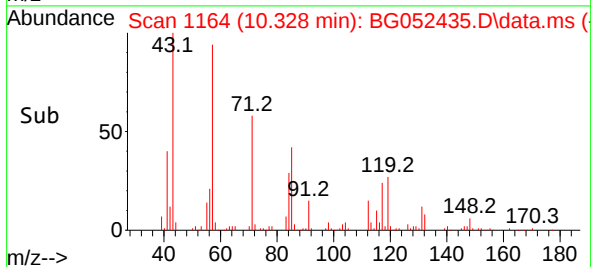
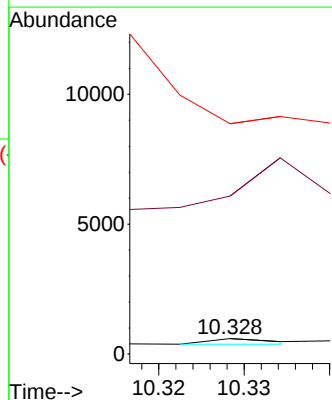
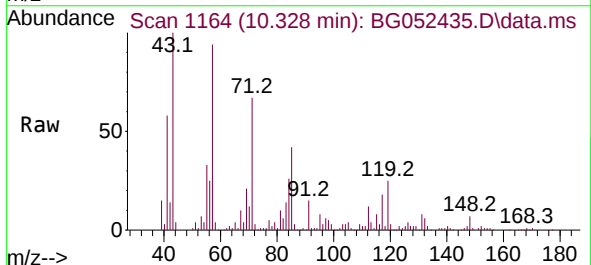
Instrument :
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ClientSampleId :
C0AA9

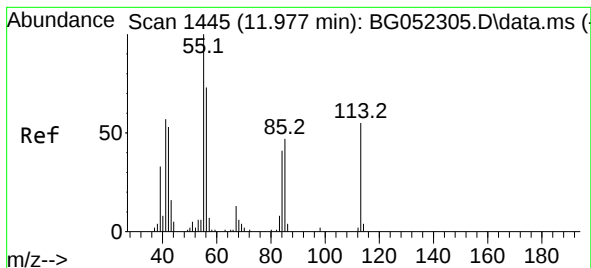
Tgt Ion:128 Resp: 117924
Ion Ratio Lower Upper
128 100
129 24.1 9.8 14.6#
127 19.1 12.0 18.0#



#32
Benzoic acid
Concen: 6.058 ng
RT: 10.328 min Scan# 1164
Delta R.T. -0.022 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 1028.9 109.2 149.2#
77 1500.5 92.8 132.8#





#35

Caprolactam

Concen: 23.698 ng

RT: 11.979 min Scan# 1445

Delta R.T. 0.002 min

Lab File: BG052435.D

Acq: 21 Feb 2022 13:36

Instrument :

BNA_G

ClientSampleId :

C0AA9

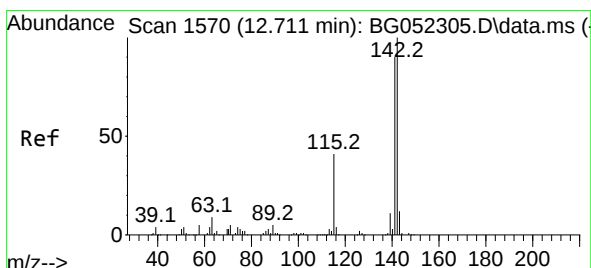
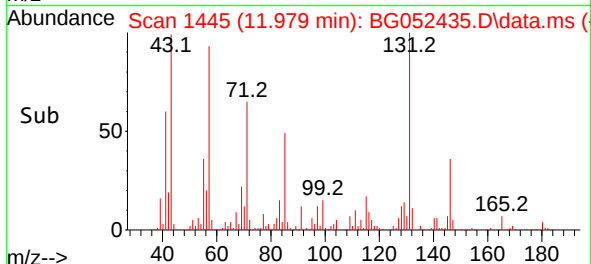
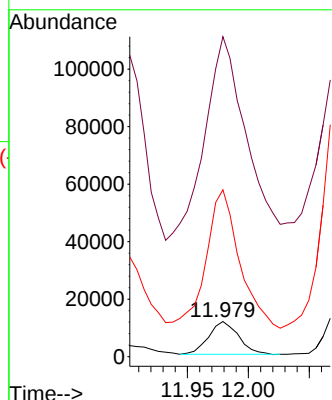
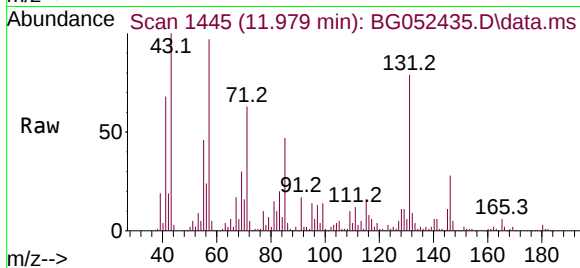
Tgt Ion:113 Resp: 19413

Ion Ratio Lower Upper

113 100

55 907.9 161.4 201.4#

56 473.6 132.6 172.6#



#37

2-Methylnaphthalene

Concen: 42.852 ng

RT: 12.719 min Scan# 1571

Delta R.T. 0.008 min

Lab File: BG052435.D

Acq: 21 Feb 2022 13:36

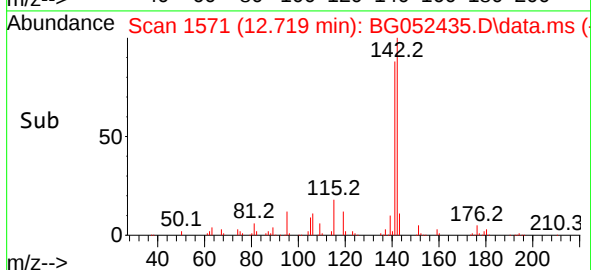
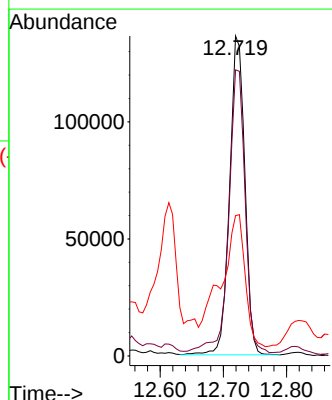
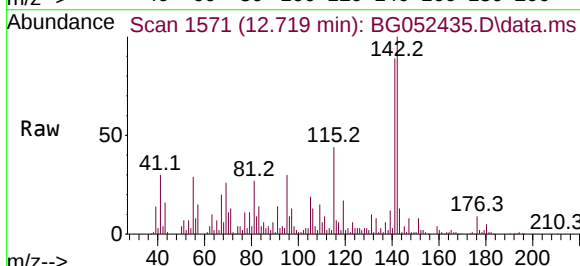
Tgt Ion:142 Resp: 228461

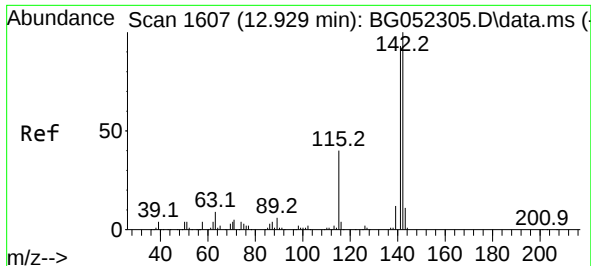
Ion Ratio Lower Upper

142 100

141 89.4 71.7 107.5

115 43.9 32.2 48.4

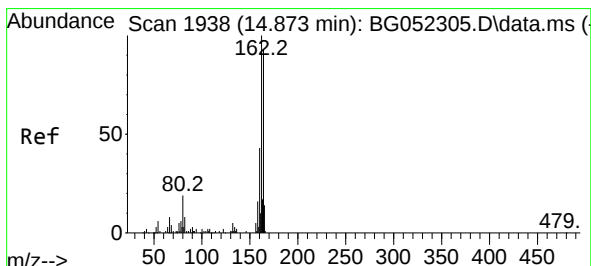
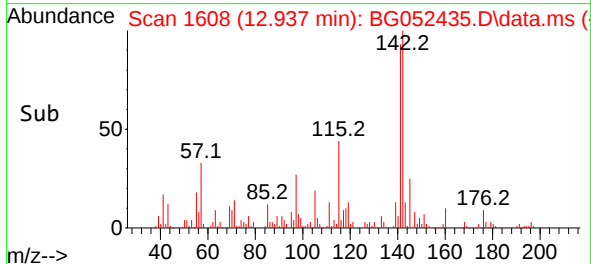
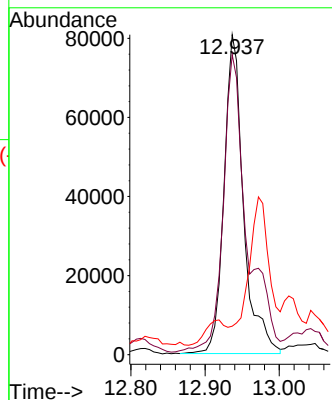
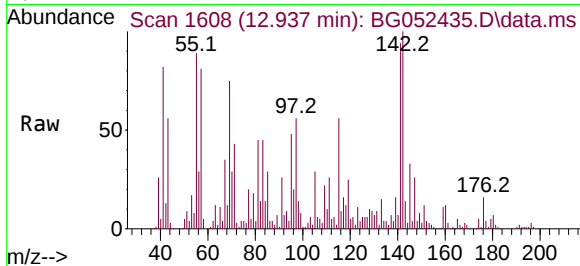




#38
1-Methylnaphthalene
Concen: 28.421 ng
RT: 12.937 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

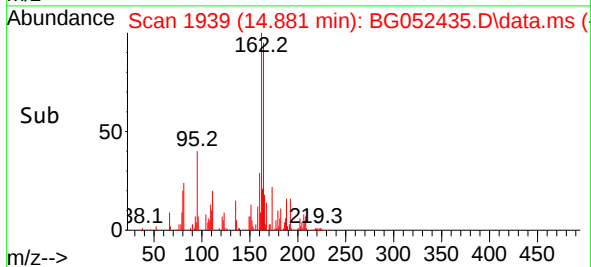
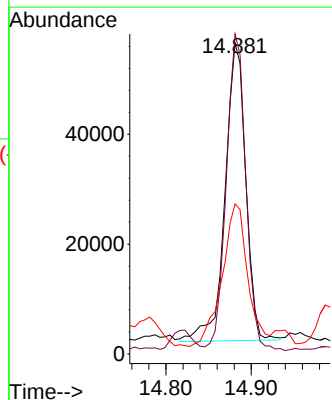
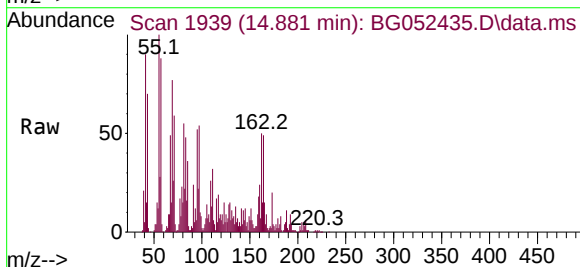
Instrument :
BNA_G
ClientSampleId :
C0AA9

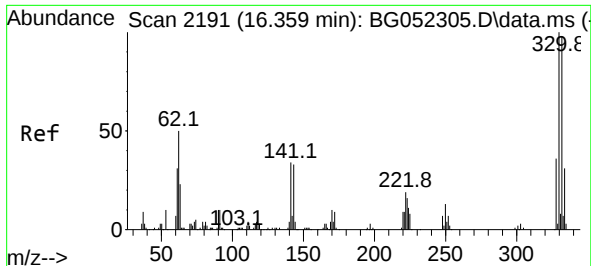
Tgt Ion:142 Resp: 146828
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4
116 8.9 4.2 6.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:164 Resp: 91366
Ion Ratio Lower Upper
164 100
162 103.0 82.2 123.2
160 48.3 36.2 54.2

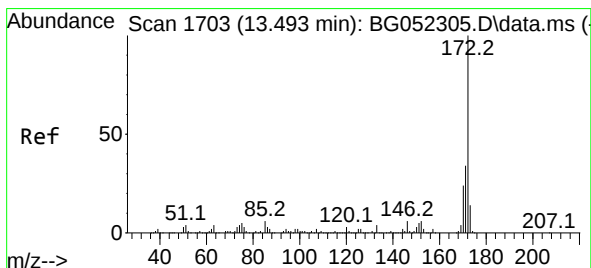
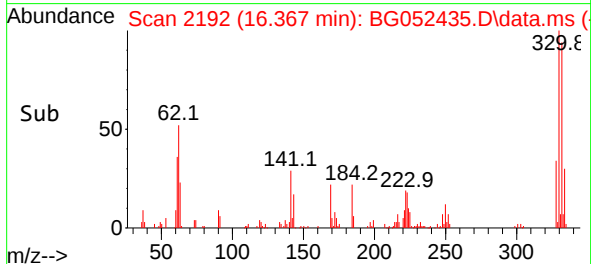
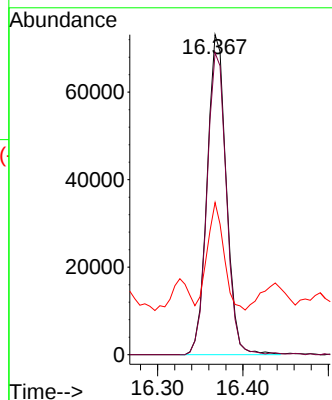
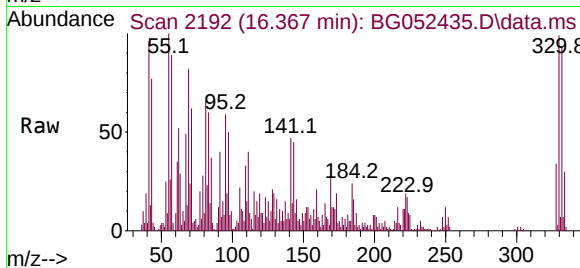




#42
2,4,6-Tribromophenol
Concen: 86.863 ng
RT: 16.367 min Scan# 2191
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

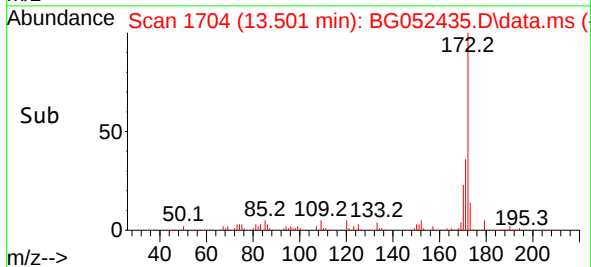
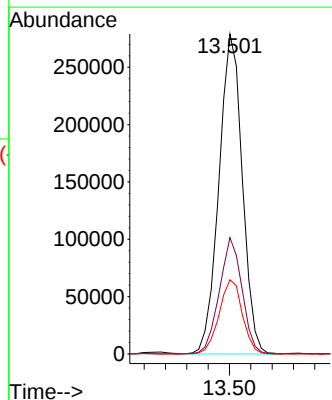
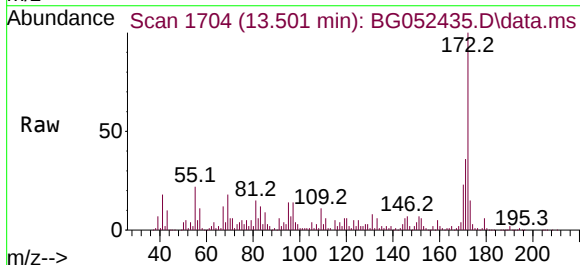
Instrument :
BNA_G
ClientSampleId :
C0AA9

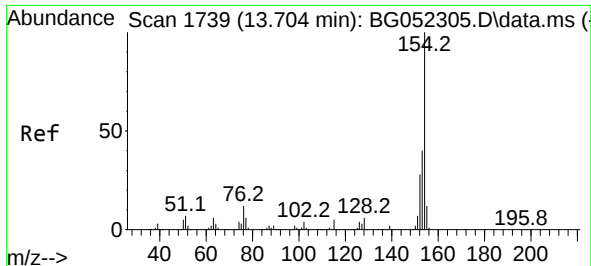
Tgt Ion:330 Resp: 114018
Ion Ratio Lower Upper
330 100
332 95.4 78.6 117.8
141 28.7 28.8 43.2#



#45
2-Fluorobiphenyl
Concen: 64.477 ng
RT: 13.501 min Scan# 1704
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:172 Resp: 423956
Ion Ratio Lower Upper
172 100
171 36.4 28.3 42.5
170 23.2 18.3 27.5

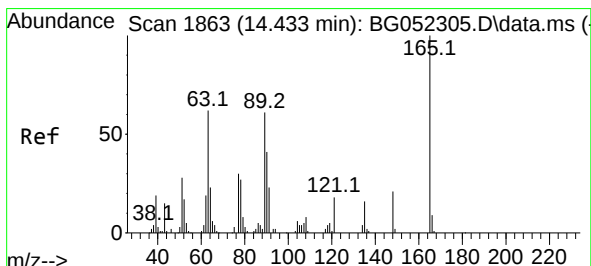
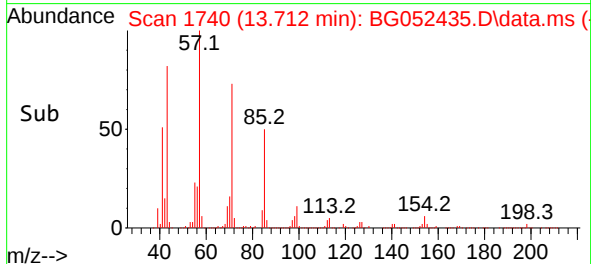
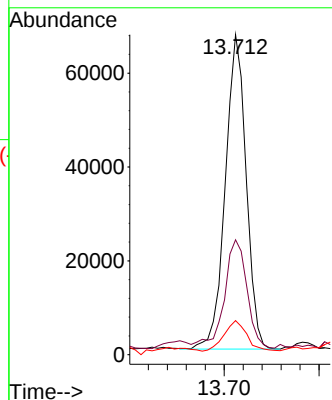
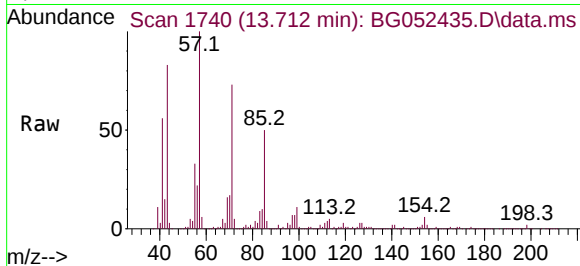




#46
1,1'-Biphenyl
Concen: 15.233 ng
RT: 13.712 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

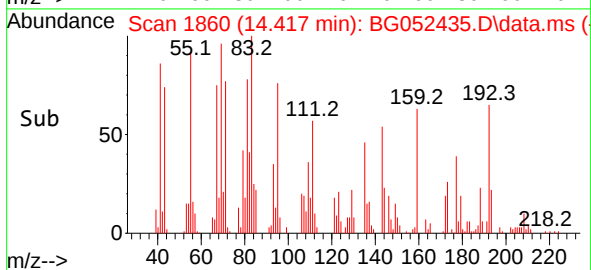
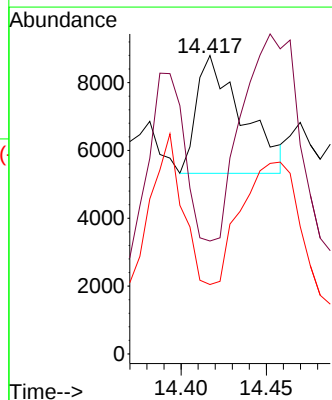
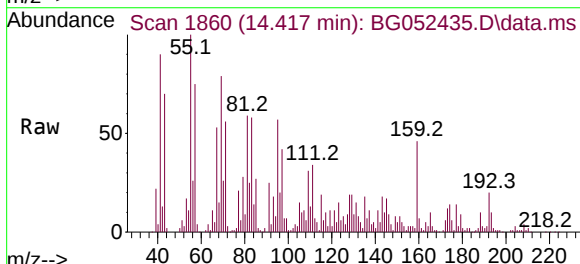
Instrument :
BNA_G
ClientSampleId :
C0AA9

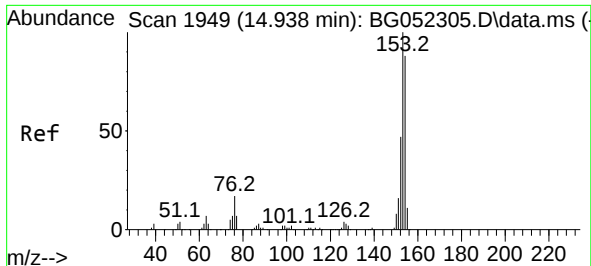
Tgt Ion:154 Resp: 102056
Ion Ratio Lower Upper
154 100
153 35.9 21.1 61.1
76 10.7 0.0 32.6



#51
2,6-Dinitrotoluene
Concen: 4.279 ng
RT: 14.417 min Scan# 1860
Delta R.T. -0.016 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:165 Resp: 6463
Ion Ratio Lower Upper
165 100
63 37.8 59.0 88.4#
89 23.3 49.4 74.0#

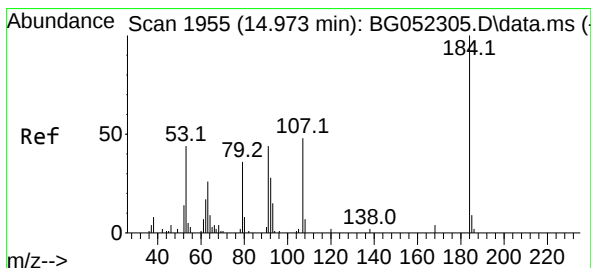
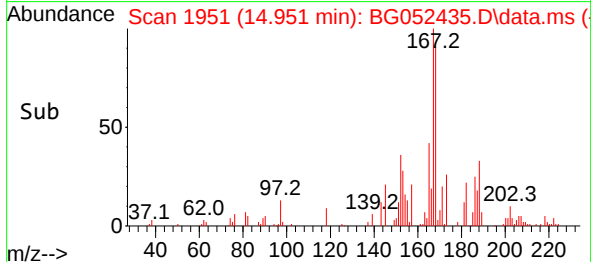
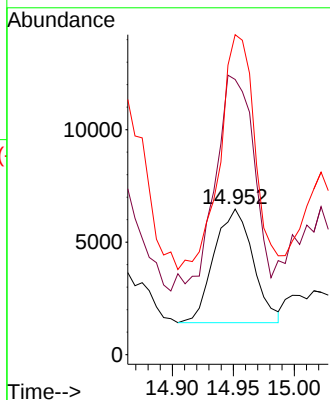
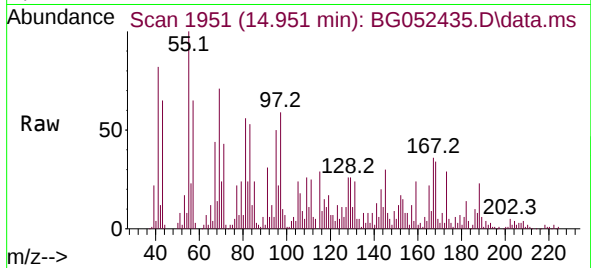




#52
Acenaphthene
Concen: 2.038 ng
RT: 14.951 min Scan# 1951
Delta R.T. 0.014 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

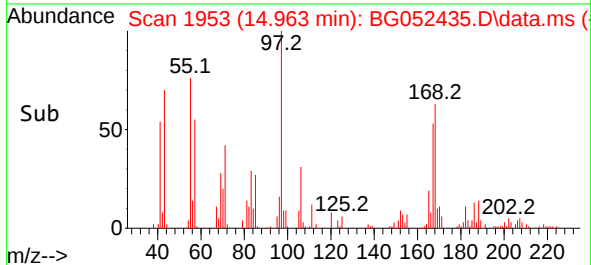
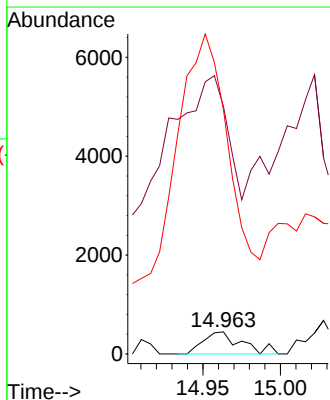
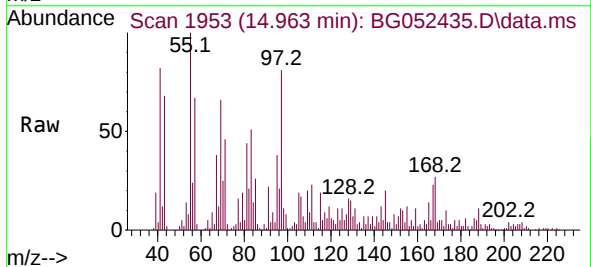
Instrument :
BNA_G
ClientSampleId :
C0AA9

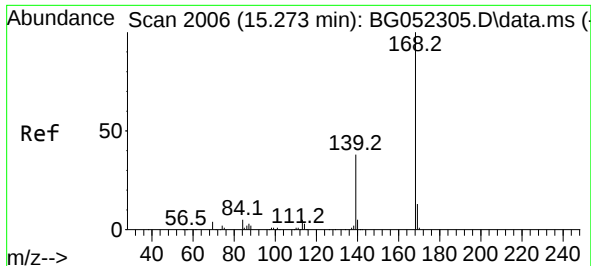
Tgt Ion:154 Resp: 11214
Ion Ratio Lower Upper
154 100
153 189.0 91.9 137.9#
152 219.7 43.4 65.2#



#54
2,4-Dinitrophenol
Concen: 5.674 ng
RT: 14.963 min Scan# 1953
Delta R.T. -0.010 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:184 Resp: 769
Ion Ratio Lower Upper
184 100
63 1117.9 56.0 84.0#
154 1102.5 50.2 75.2#

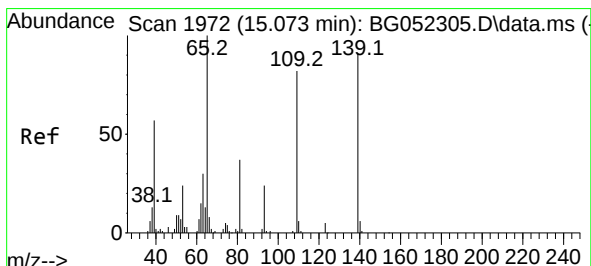
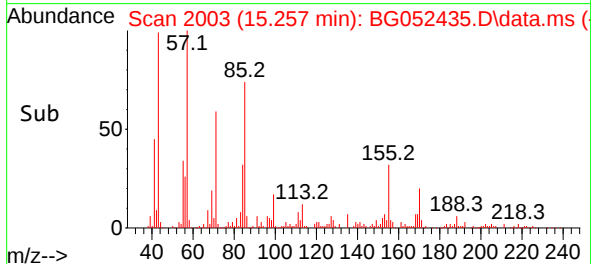
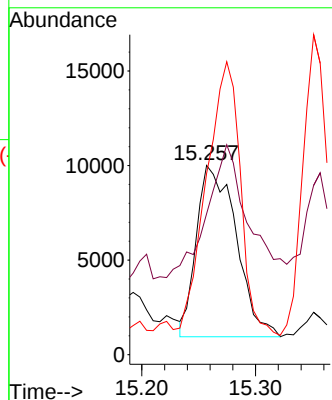
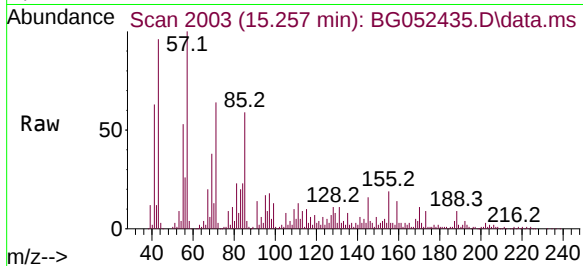




#55
Dibenzofuran
Concen: 2.538 ng
RT: 15.257 min Scan# 2003
Delta R.T. -0.016 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

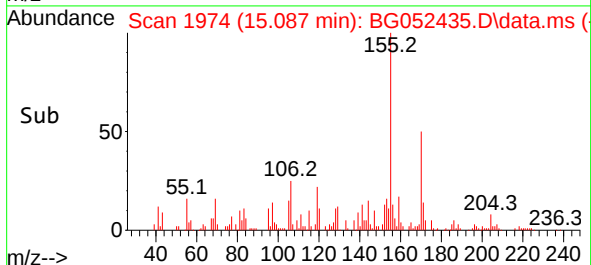
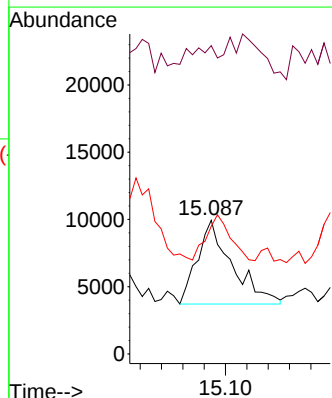
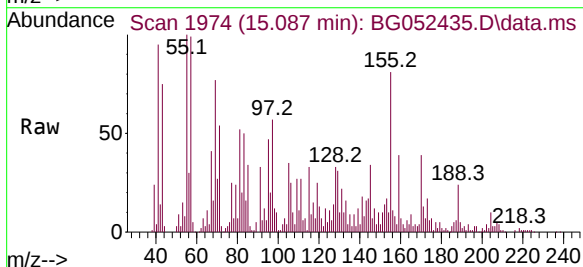
Instrument :
BNA_G
ClientSampleId :
C0AA9

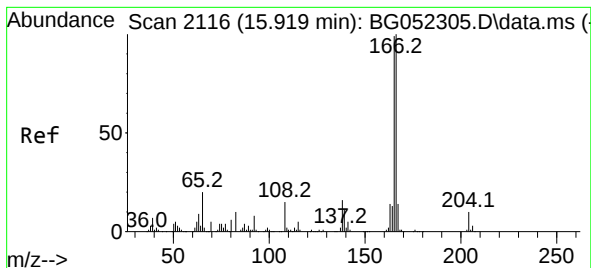
Tgt Ion:168 Resp: 21961
Ion Ratio Lower Upper
168 100
139 74.5 30.7 46.1#
169 95.8 10.9 16.3#



#56
4-Nitrophenol
Concen: 11.958 ng
RT: 15.087 min Scan# 1974
Delta R.T. 0.014 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:139 Resp: 14098
Ion Ratio Lower Upper
139 100
109 230.7 84.9 124.9#
65 95.6 109.9 149.9#





#58

Fluorene

Concen: 4.908 ng

RT: 15.933 min Scan# 2116

Delta R.T. 0.014 min

Lab File: BG052435.D

Acq: 21 Feb 2022 13:36

Instrument :

BNA_G

ClientSampleId :

C0AA9

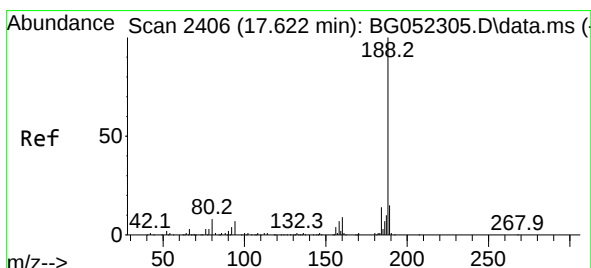
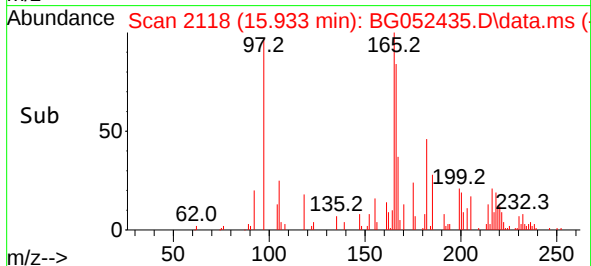
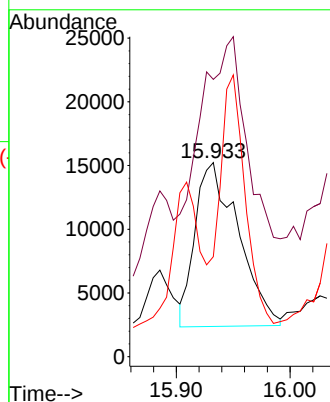
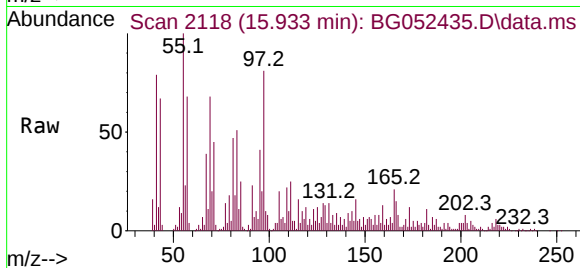
Tgt Ion:166 Resp: 33904

Ion Ratio Lower Upper

166 100

165 142.8 80.0 120.0#

167 51.5 11.1 16.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.630 min Scan# 2407

Delta R.T. 0.008 min

Lab File: BG052435.D

Acq: 21 Feb 2022 13:36

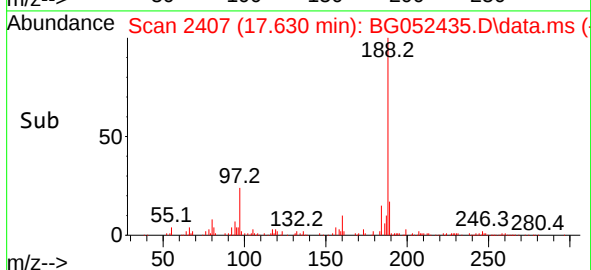
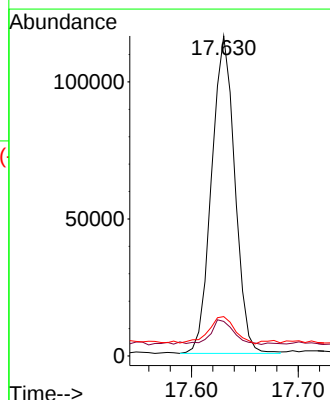
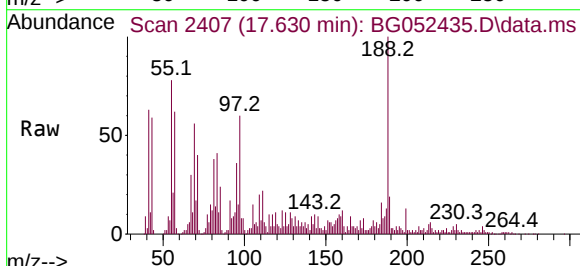
Tgt Ion:188 Resp: 175048

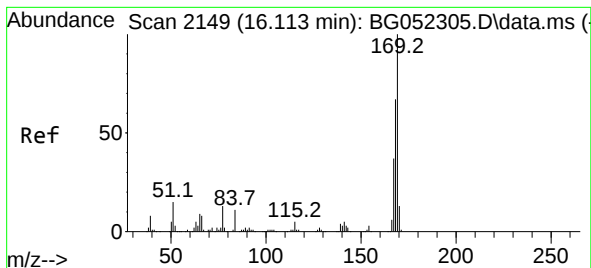
Ion Ratio Lower Upper

188 100

94 10.8 5.9 8.9#

80 12.3 6.6 10.0#

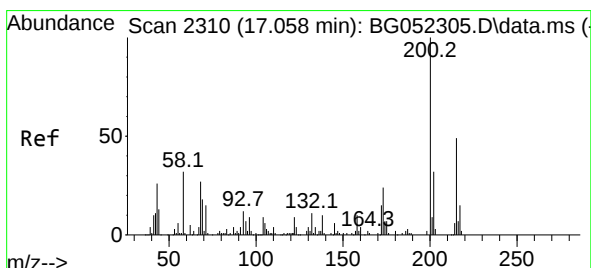
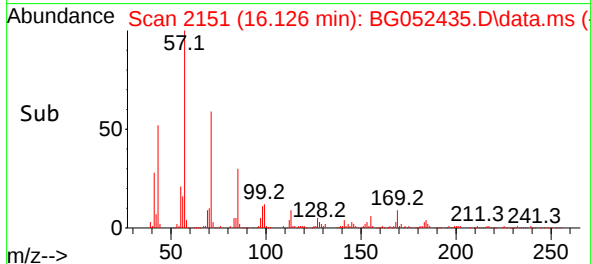
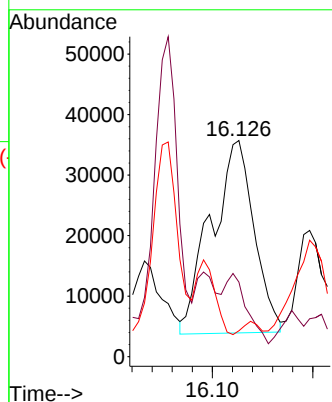
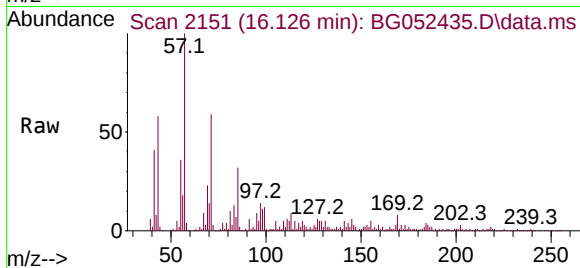




#66
 n-Nitrosodiphenylamine
 Concen: 19.584 ng
 RT: 16.126 min Scan# 2149
 Delta R.T. 0.014 min
 Lab File: BG052435.D
 Acq: 21 Feb 2022 13:36

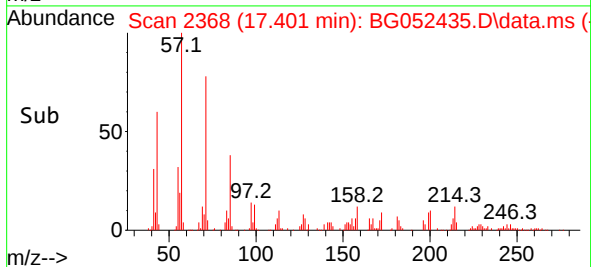
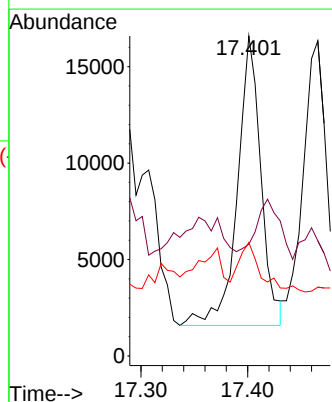
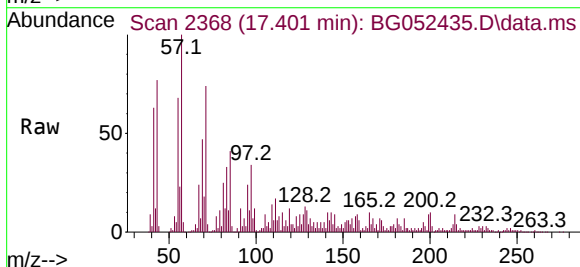
Instrument :
 BNA_G
 ClientSampleId :
 C0AA9

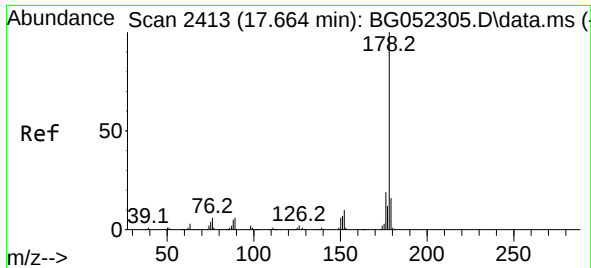
Tgt Ion:169 Resp: 94452
 Ion Ratio Lower Upper
 169 100
 168 34.5 57.4 86.0#
 167 12.0 29.5 44.3#



#69
 Atrazine
 Concen: 11.837 ng
 RT: 17.401 min Scan# 2368
 Delta R.T. 0.343 min
 Lab File: BG052435.D
 Acq: 21 Feb 2022 13:36

Tgt Ion:200 Resp: 23081
 Ion Ratio Lower Upper
 200 100
 173 34.9 3.3 43.3
 215 35.4 24.4 64.4

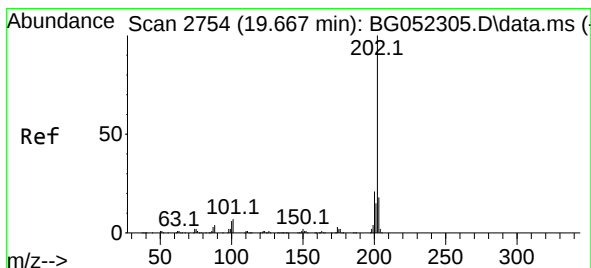
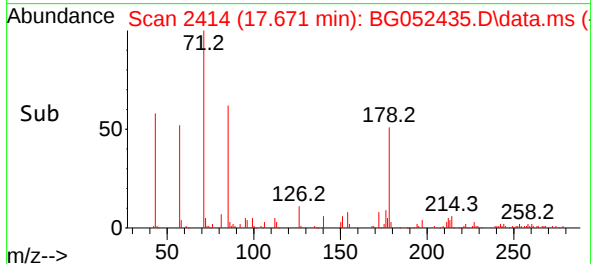
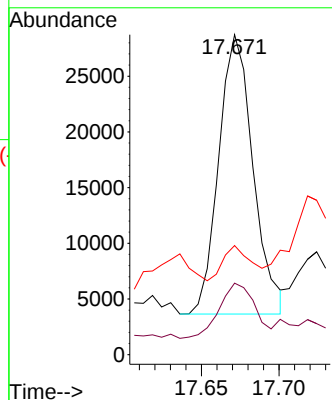
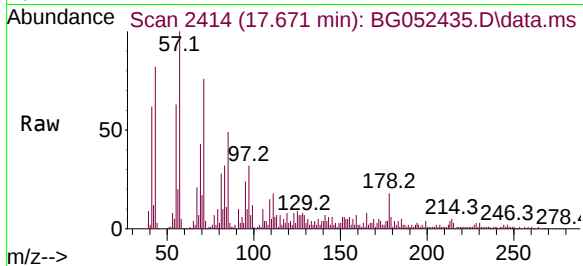




#71
Phenanthrene
Concen: 4.271 ng
RT: 17.671 min Scan# 2413
Delta R.T. 0.008 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

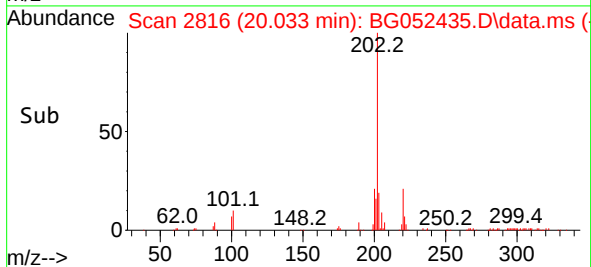
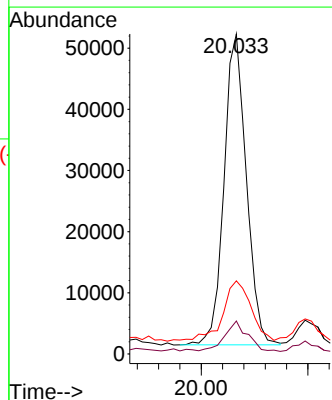
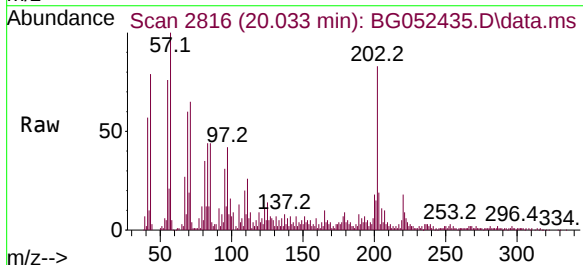
Instrument :
BNA_G
ClientSampleId :
C0AA9

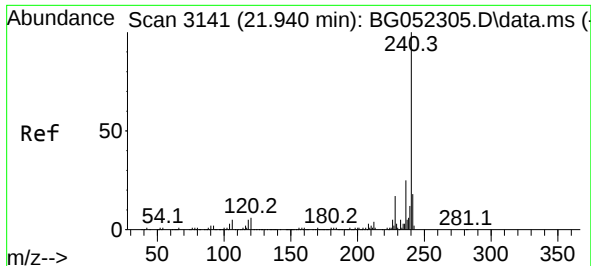
Tgt Ion:178 Resp: 38541
Ion Ratio Lower Upper
178 100
176 22.4 16.6 25.0
179 34.1 12.6 18.8#



#75
Fluoranthene
Concen: 6.409 ng
RT: 20.033 min Scan# 2816
Delta R.T. 0.366 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:202 Resp: 73636
Ion Ratio Lower Upper
202 100
101 10.3 0.0 27.1
203 22.8 0.0 37.8

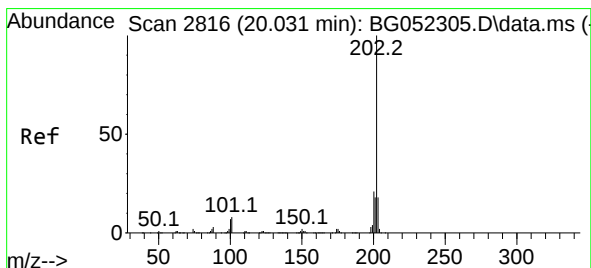
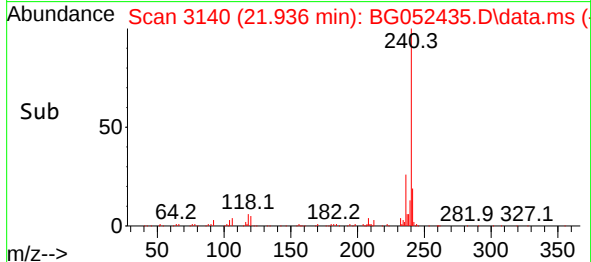
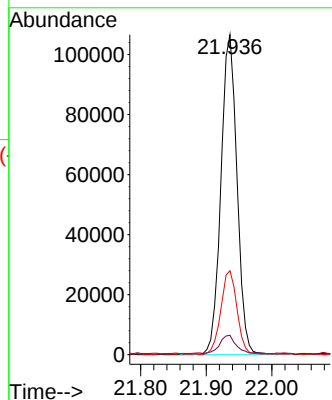
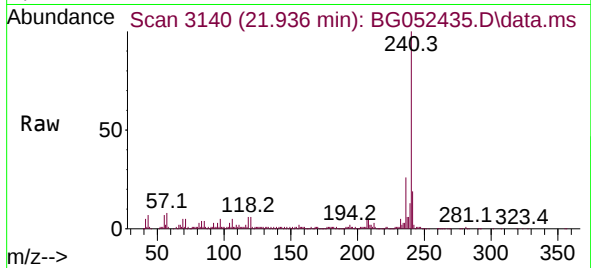




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

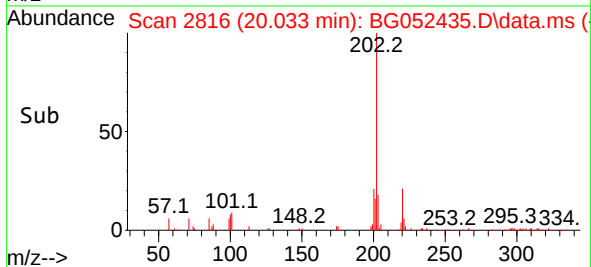
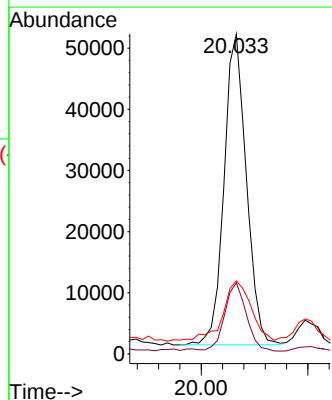
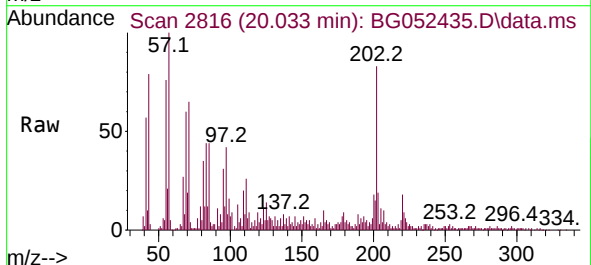
Instrument :
BNA_G
ClientSampleId :
C0AA9

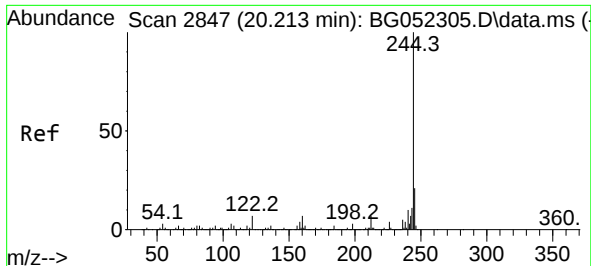
Tgt Ion:240 Resp: 180947
Ion Ratio Lower Upper
240 100
120 6.0 4.4 6.6
236 26.2 20.8 31.2



#78
Pyrene
Concen: 6.082 ng
RT: 20.033 min Scan# 2816
Delta R.T. 0.002 min
Lab File: BG052435.D
Acq: 21 Feb 2022 13:36

Tgt Ion:202 Resp: 73636
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 22.8 14.5 21.7#

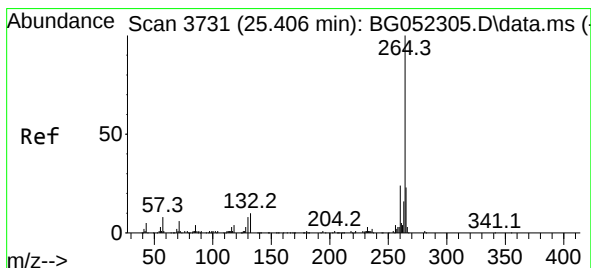
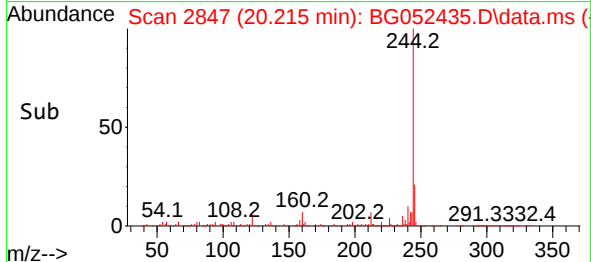
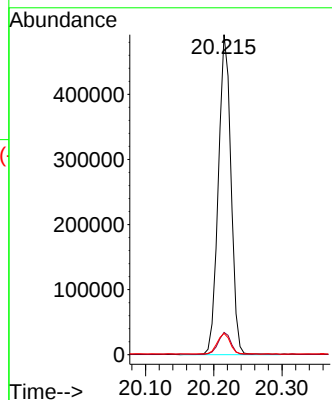
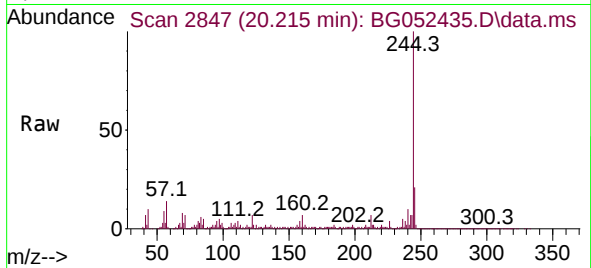




#79
 Terphenyl-d14
 Concen: 61.857 ng
 RT: 20.215 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG052435.D
 Acq: 21 Feb 2022 13:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AA9

Tgt Ion:244 Resp: 633843
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 6.6 6.2 9.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.396 min Scan# 3729
 Delta R.T. -0.010 min
 Lab File: BG052435.D
 Acq: 21 Feb 2022 13:36

Tgt Ion:264 Resp: 212129
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 22.3 17.8 26.6

