

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062121\
 Data File : BG049031.D
 Acq On : 21 Jun 2021 13:57
 Operator : CG/JU
 Sample : M2777-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X-1

Quant Time: Jun 21 14:40:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 16 12:04:50 2021
 Response via : Initial Calibration

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

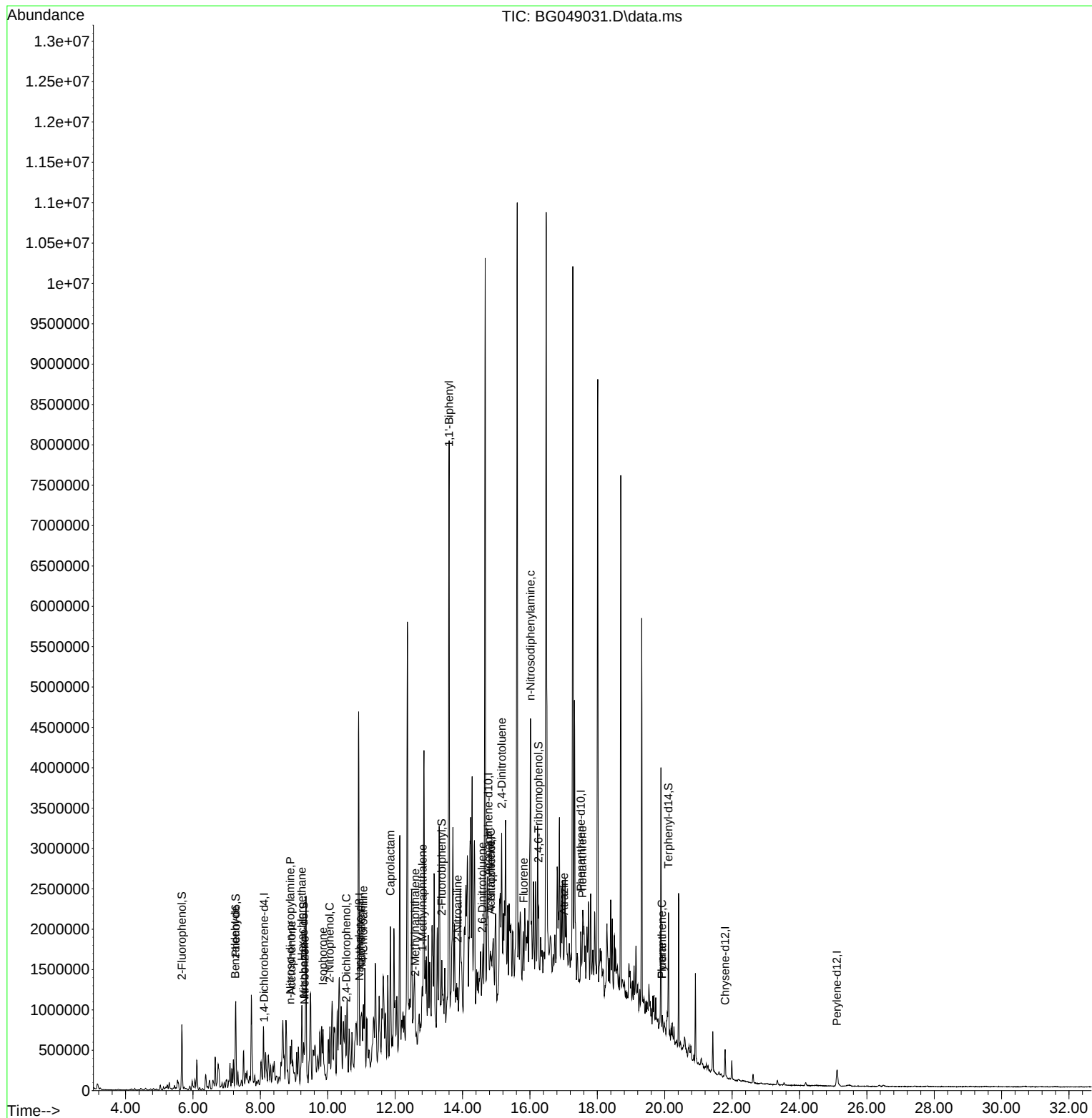
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.115	152	40197	20.000	ng	# 0.00
21) Naphthalene-d8	10.941	136	150511	20.000	ng	# 0.00
39) Acenaphthene-d10	14.766	164	112574	20.000	ng	0.00
64) Phenanthrene-d10	17.515	188	200028	20.000	ng	# 0.00
76) Chrysene-d12	21.793	240	212236	20.000	ng	0.00
86) Perylene-d12	25.112	264	235370	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.670	112	268279	103.894	ng	0.00
7) Phenol-d6	7.269	99	352535	91.088	ng	0.00
23) Nitrobenzene-d5	9.284	82	242621	69.508	ng	0.00
42) 2,4,6-Tribromophenol	16.258	330	157275	94.298	ng	0.01
45) 2-Fluorobiphenyl	13.385	172	434567	54.533	ng	0.00
79) Terphenyl-d14	20.112	244	667140	57.568	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.257	77	8041	4.015	ng	# 1
18) Hexachloroethane	9.231	117	75905	59.691	ng	# 1
19) n-Nitroso-di-n-propyla...	8.890	70	18691	6.178	ng	# 47
22) Acetophenone	8.925	105	328060	71.643	ng	# 54
24) Nitrobenzene	9.313	77	17706	4.503	ng	# 29
25) Isophorone	9.860	82	58767	7.728	ng	# 1
26) 2-Nitrophenol	10.059	139	3070	2.302	ng	# 1
29) 2,4-Dichlorophenol	10.553	162	13464	4.963	ng	# 42
31) Naphthalene	10.994	128	45607	5.086	ng	# 16
33) 4-Chloroaniline	11.052	127	15222	3.998	ng	# 1
35) Caprolactam	11.863	113	13237	16.879	ng	# 1
37) 2-Methylnaphthalene	12.598	142	105131	15.523	ng	# 89
38) 1-Methylnaphthalene	12.815	142	120930	19.019	ng	# 87
46) 1,1'-Biphenyl	13.596	154	79960	9.634	ng	# 96
48) 2-Nitroaniline	13.855	65	8583	4.662	ng	# 49
51) 2,6-Dinitrotoluene	14.584	165	4994	2.797	ng	97
52) Acenaphthene	14.836	154	26529	3.727	ng	# 30
56) 4-Nitrophenol	14.848	139	11242	7.627	ng	93
57) 2,4-Dinitrotoluene	15.165	165	32798	14.952	ng	# 58
58) Fluorene	15.812	166	21094	2.331	ng	# 66
66) n-Nitrosodiphenylamine	16.023	169	149449	23.974	ng	# 55
69) Atrazine	17.010	200	20667	10.329	ng	79
71) Phenanthrene	17.557	178	48726	4.329	ng	# 84
75) Fluoranthene	19.918	202	45568	3.357	ng	84
78) Pyrene	19.918	202	45587	2.959	ng	# 88

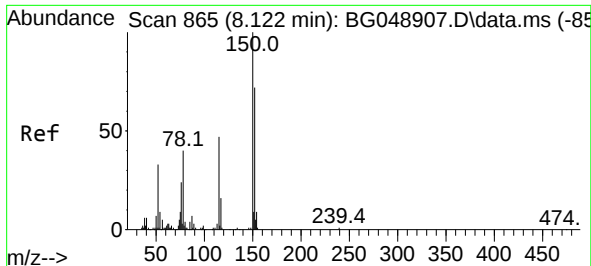
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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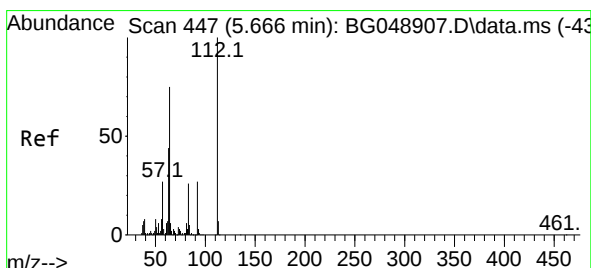
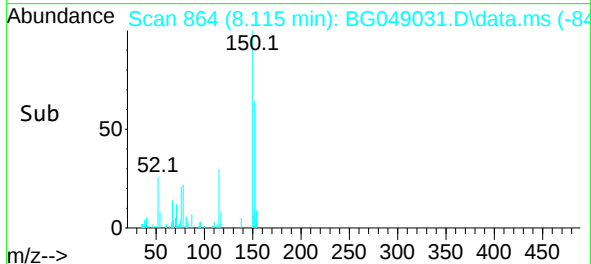
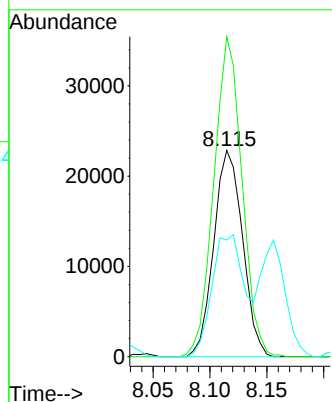
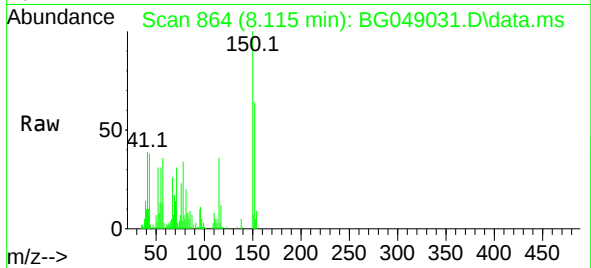




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.115 min Scan# 864
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

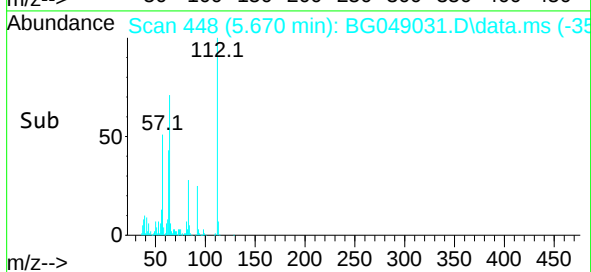
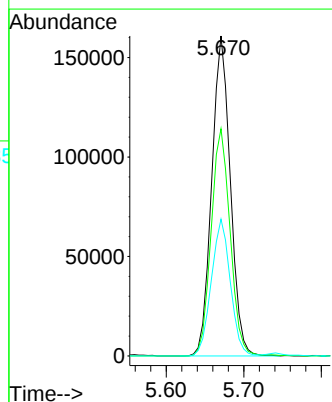
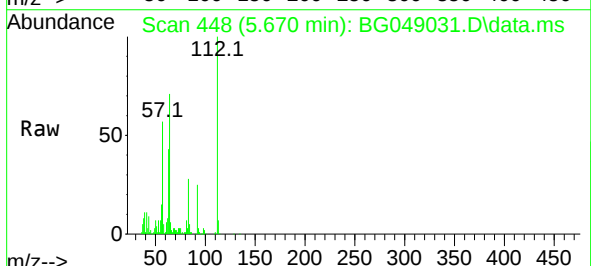
Instrument :
BNA_G
ClientSampleId :
X-1

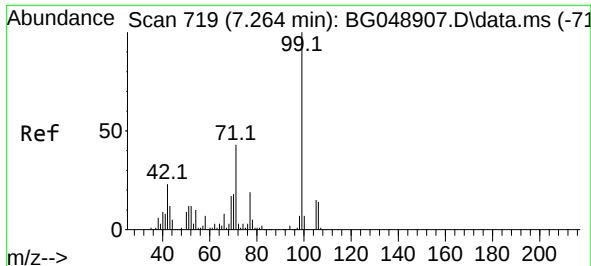
Tgt Ion:152 Resp: 40197
Ion Ratio Lower Upper
152 100
150 155.2 119.4 179.0
115 56.6 60.2 90.4#



#5
2-Fluorophenol
Concen: 103.894 ng
RT: 5.670 min Scan# 448
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

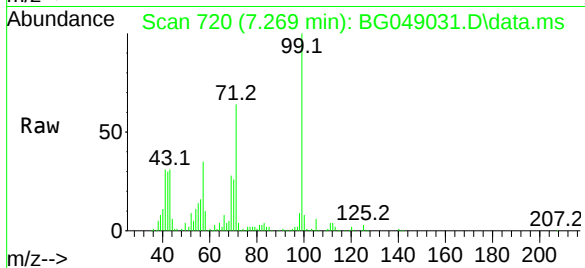
Tgt Ion:112 Resp: 268279
Ion Ratio Lower Upper
112 100
64 71.0 46.7 70.1#
63 42.7 35.3 52.9



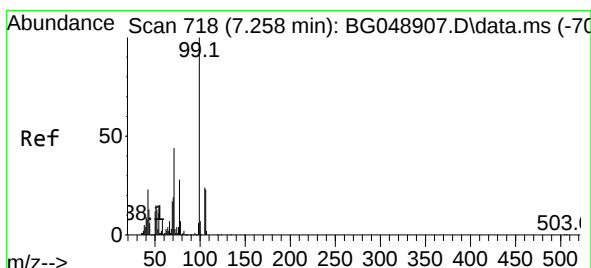
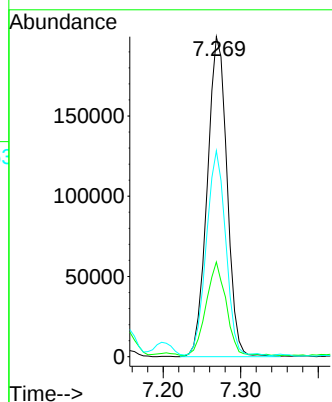
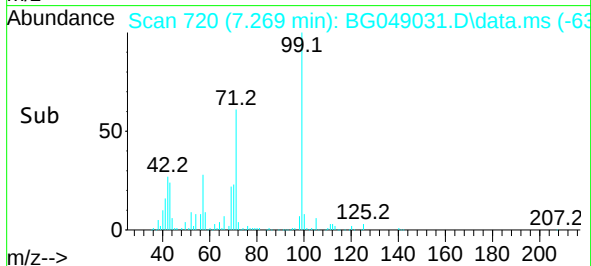


#7
Phenol-d6
Concen: 91.088 ng
RT: 7.269 min Scan# 720
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

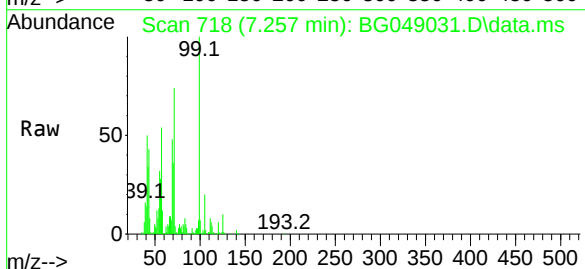
Instrument :
BNA_G
ClientSampleId :
X-1



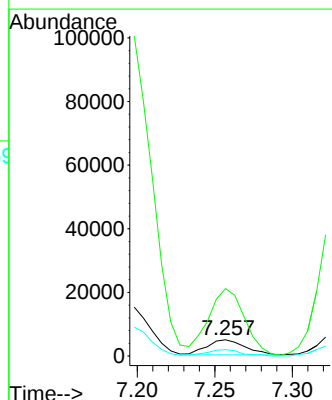
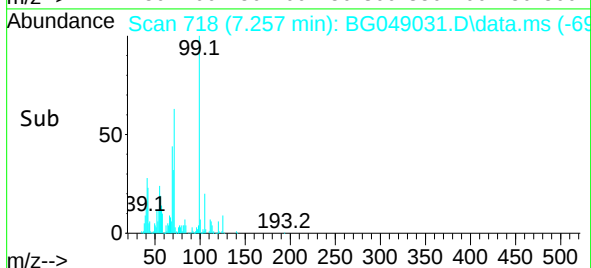
Tgt Ion: 99 Resp: 352535
Ion Ratio Lower Upper
99 100
42 29.6 20.5 30.7
71 64.3 41.5 62.3#

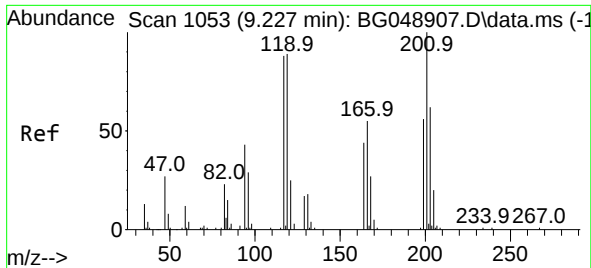


#9
Benzaldehyde
Concen: 4.015 ng
RT: 7.257 min Scan# 718
Delta R.T. 0.013 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57



Tgt Ion: 77 Resp: 8041
Ion Ratio Lower Upper
77 100
105 415.0 68.8 108.8#
106 38.5 47.9 87.9#

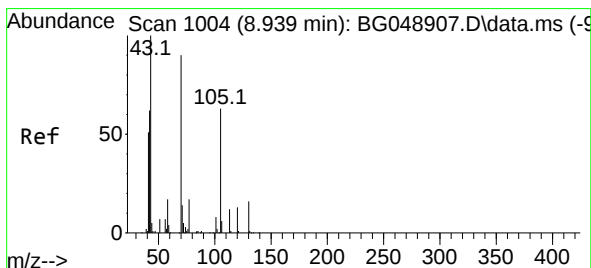
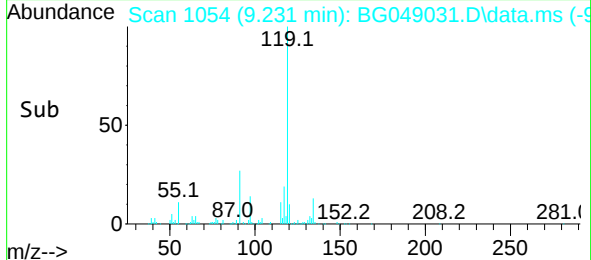
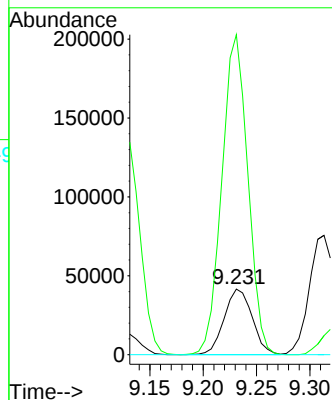
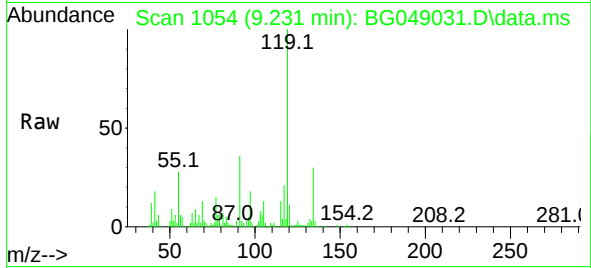




#18
Hexachloroethane
Concen: 59.691 ng
RT: 9.231 min Scan# 1054
Delta R.T. 0.025 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

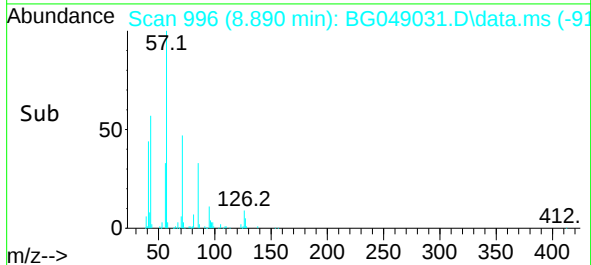
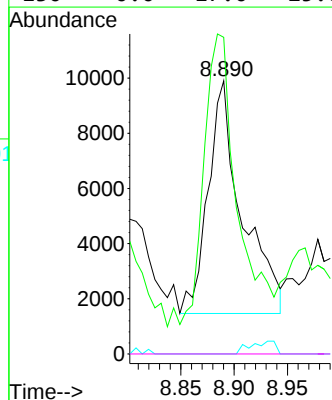
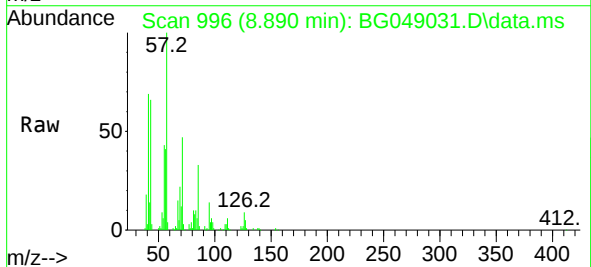
Instrument :
BNA_G
ClientSampleId :
X-1

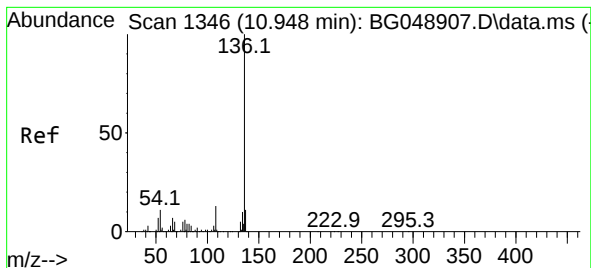
Tgt Ion:117 Resp: 75905
Ion Ratio Lower Upper
117 100
119 487.5 74.4 111.6#
201 0.0 88.6 133.0#



#19
n-Nitroso-di-n-propylamine
Concen: 6.178 ng
RT: 8.890 min Scan# 996
Delta R.T. -0.034 min
Lab File: BG049031.D
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Tgt Ion: 70 Resp: 18691
Ion Ratio Lower Upper
70 100
42 115.9 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

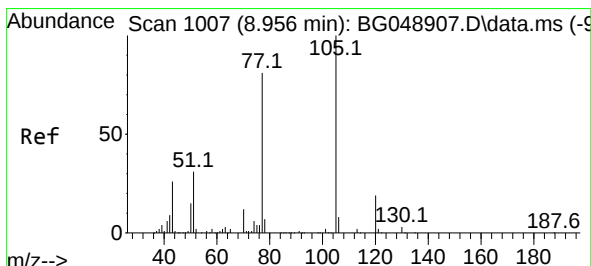
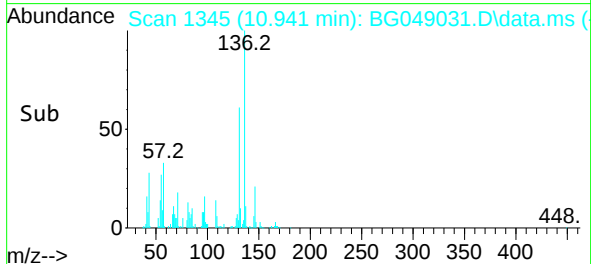
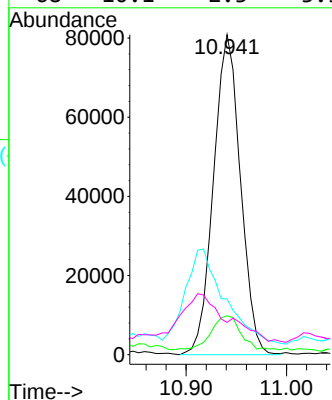
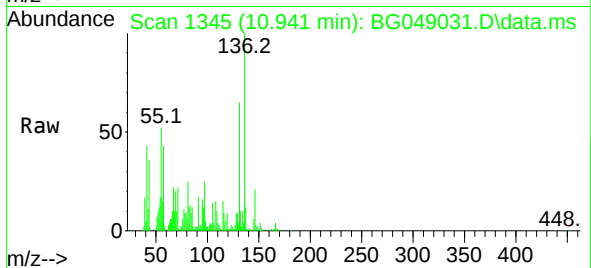




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.941 min Scan# 1345
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

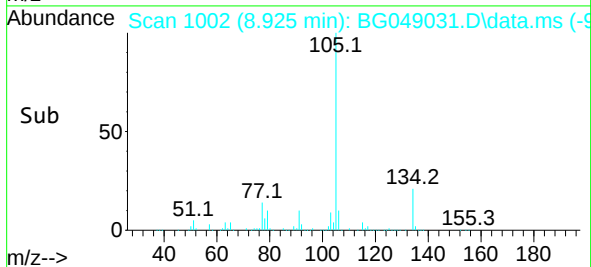
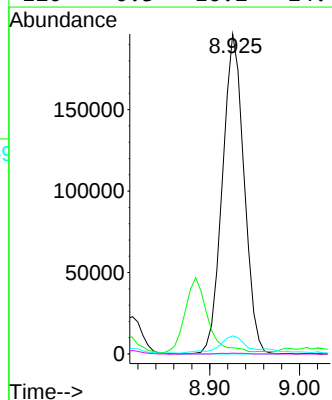
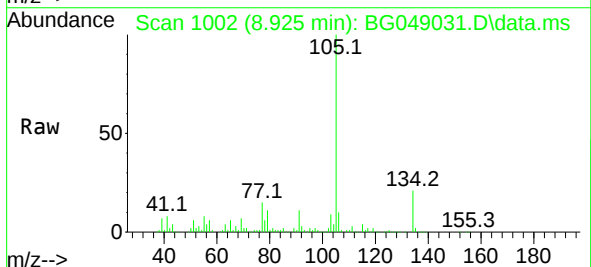
Instrument :
BNA_G
ClientSampled :
X-1

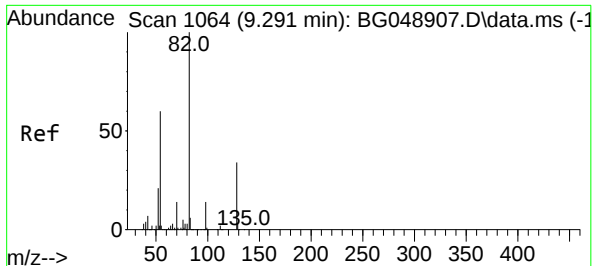
Tgt Ion:136	Resp: 150511
Ion Ratio	Lower Upper
136	100
137	12.2 8.2 12.2
54	17.4 5.5 8.3#
68	10.1 2.3 3.5#



#22
Acetophenone
Concen: 71.643 ng
RT: 8.925 min Scan# 1002
Delta R.T. -0.011 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:105	Resp: 328060
Ion Ratio	Lower Upper
105	100
71	1.9 0.6 0.8#
51	5.7 26.6 40.0#
120	0.3 16.2 24.4#





#23

Nitrobenzene-d5

Concen: 69.508 ng

RT: 9.284 min Scan# 1063

Delta R.T. 0.001 min

Lab File: BG049031.D

Acq: 21 Jun 2021 13:57

Tgt Ion: 82 Resp: 242621

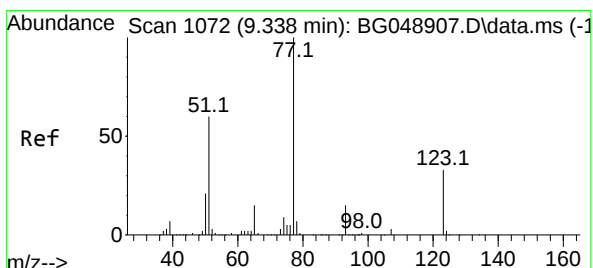
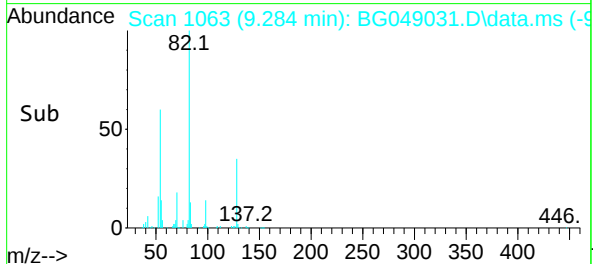
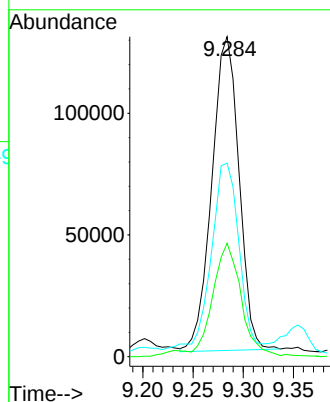
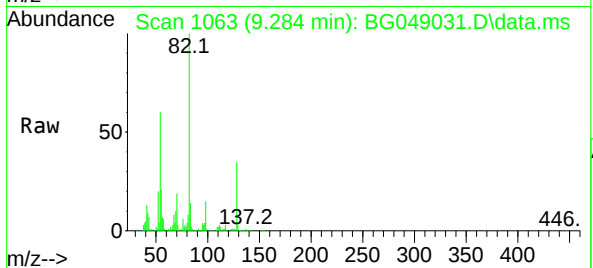
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.8	44.6
54	60.5	45.8	68.8

Instrument :

BNA_G

ClientSampled :

X-1



#24

Nitrobenzene

Concen: 4.503 ng

RT: 9.313 min Scan# 1068

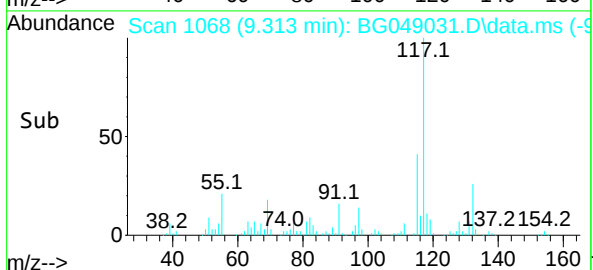
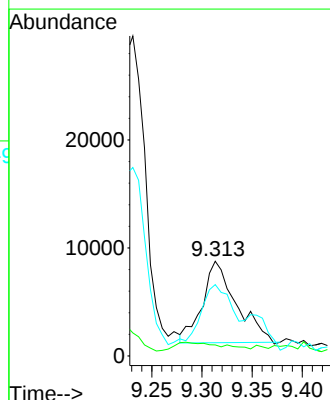
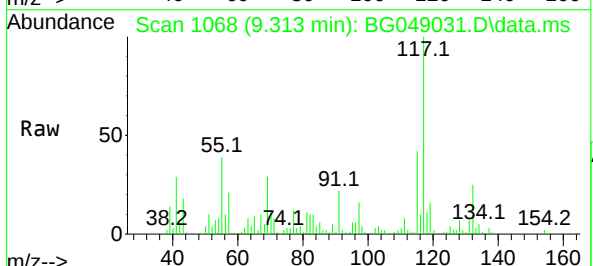
Delta R.T. -0.011 min

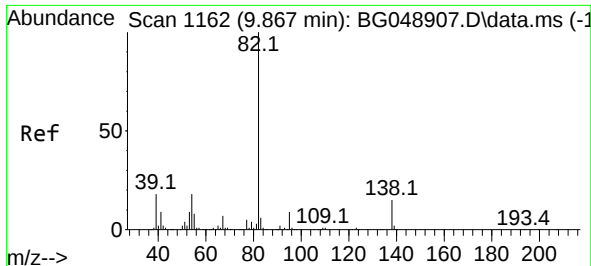
Lab File: BG049031.D

Acq: 21 Jun 2021 13:57

Tgt Ion: 77 Resp: 17706

Ion	Ratio	Lower	Upper
77	100		
123	11.7	27.5	41.3#
65	75.3	12.6	18.8#

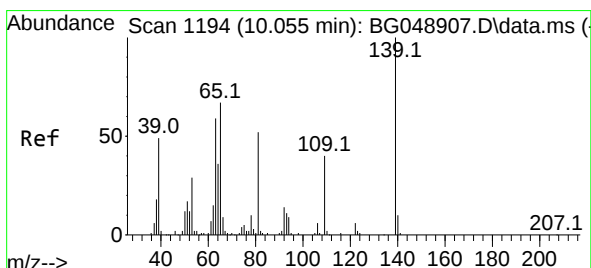
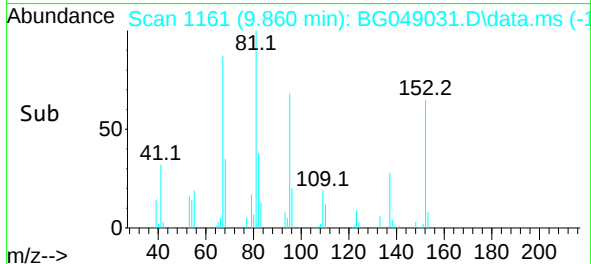
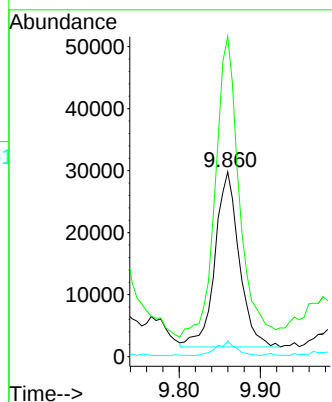
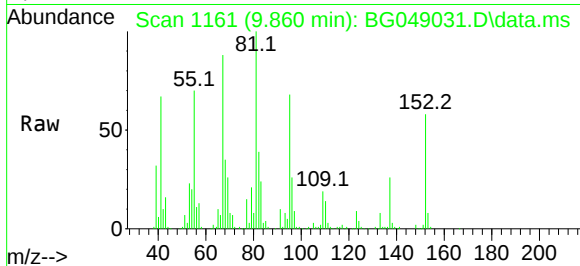




#25
Isophorone
Concen: 7.728 ng
RT: 9.860 min Scan# 1161
Delta R.T. 0.013 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

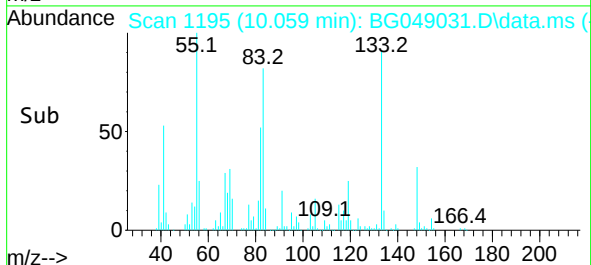
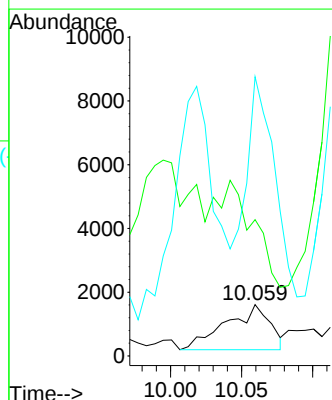
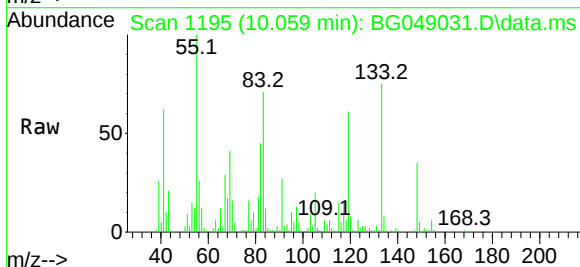
Instrument :
BNA_G
ClientSampled :
X-1

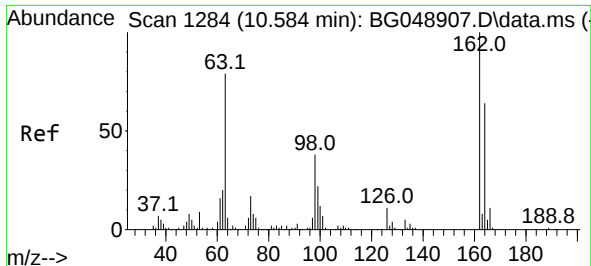
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Ion Ratio Lower Upper
82 100
95 173.1 8.5 12.7#
138 8.5 11.8 17.6#



#26
2-Nitrophenol
Concen: 2.302 ng
RT: 10.059 min Scan# 1195
Delta R.T. 0.019 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:139 Resp: 3070
Ion Ratio Lower Upper
139 100
109 265.1 37.8 56.6#
65 542.8 51.8 77.8#

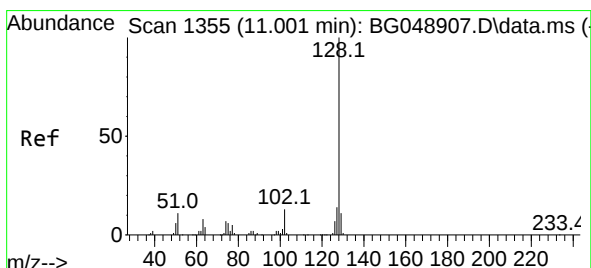
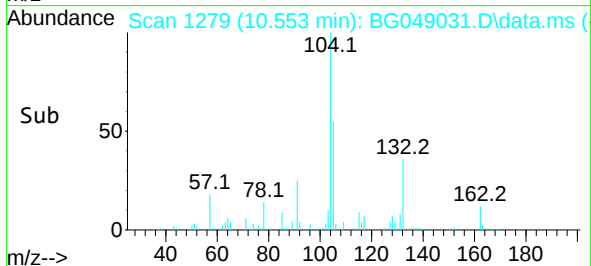
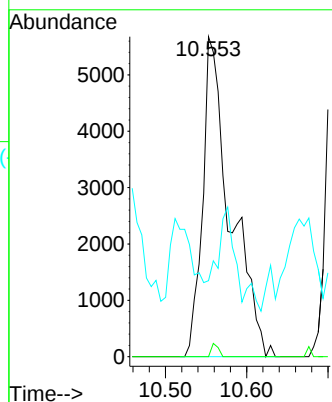
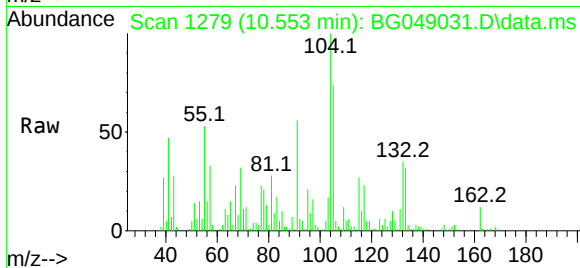




#29
2,4-Dichlorophenol
Concen: 4.963 ng
RT: 10.553 min Scan# 1279
Delta R.T. -0.028 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

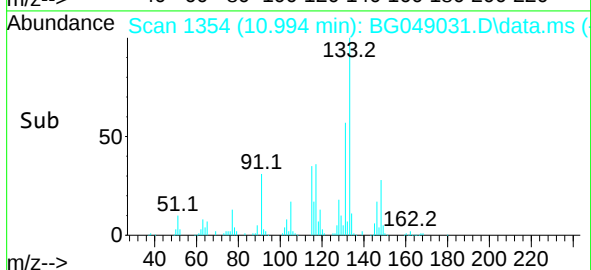
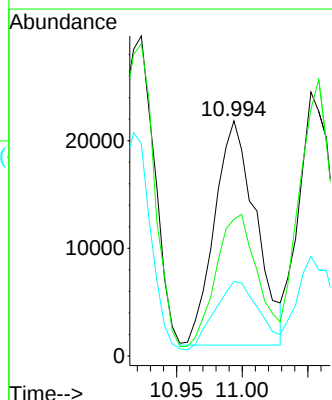
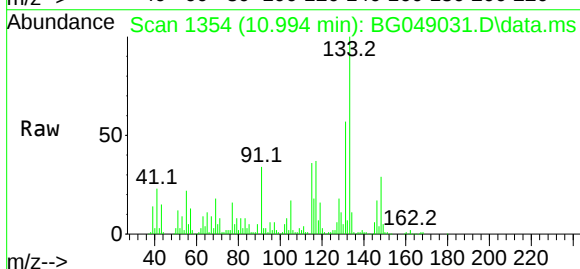
Instrument :
BNA_G
ClientSampled :
X-1

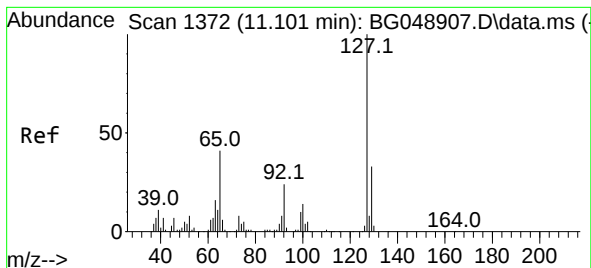
Tgt Ion:162 Resp: 13464
Ion Ratio Lower Upper
162 100
164 0.0 39.4 79.4#
98 23.8 18.7 58.7



#31
Naphthalene
Concen: 5.086 ng
RT: 10.994 min Scan# 1354
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:128 Resp: 45607
Ion Ratio Lower Upper
128 100
129 58.2 8.5 12.7#
127 31.7 10.2 15.4#

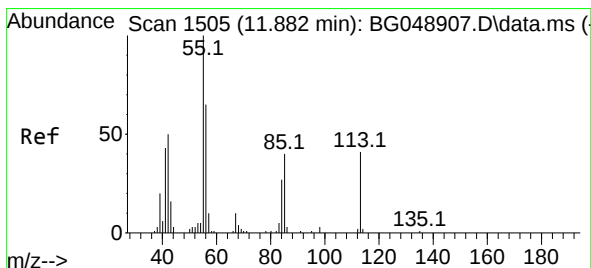
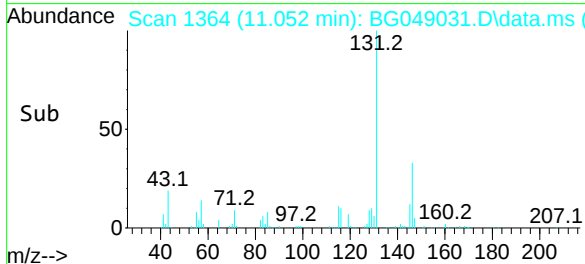
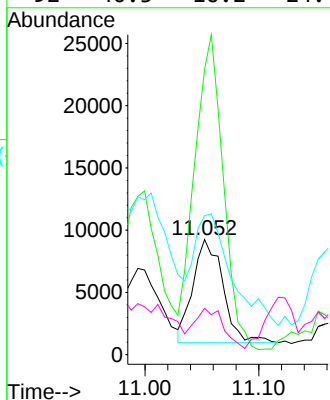
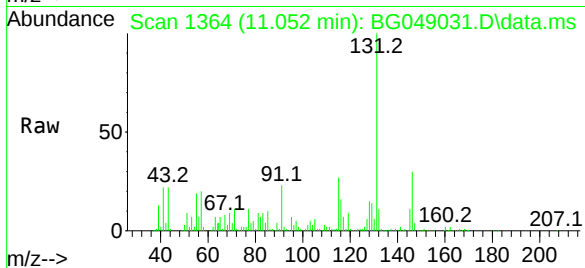




#33
4-Chloroaniline
Concen: 3.998 ng
RT: 11.052 min Scan# 1364
Delta R.T. -0.040 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

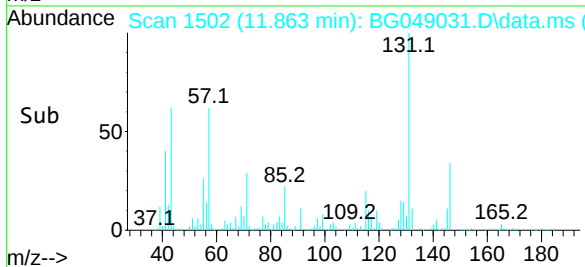
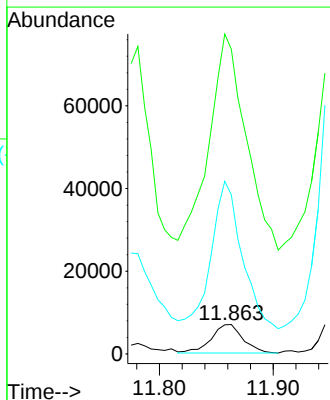
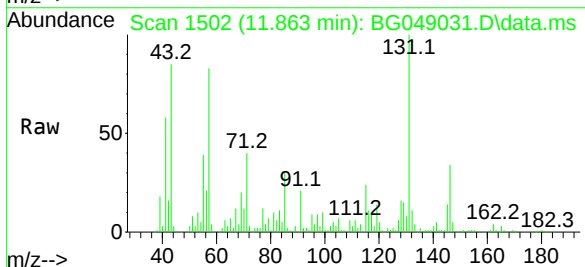
Instrument :
BNA_G
ClientSampled :
X-1

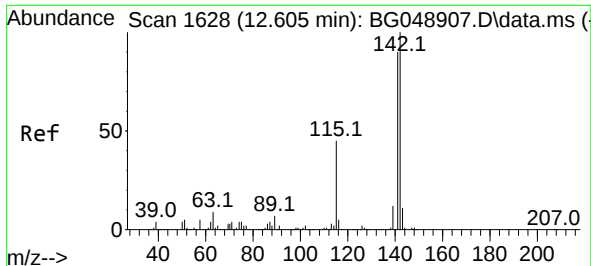
Tgt Ion:	127	Resp:	15222
Ion Ratio	Lower	Upper	
127	100		
129	247.8	26.7	40.1#
65	120.7	32.8	49.2#
92	40.3	16.2	24.4#



#35
Caprolactam
Concen: 16.879 ng
RT: 11.863 min Scan# 1502
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:	113	Resp:	13237
Ion Ratio	Lower	Upper	
113	100		
55	1037.5	113.8	153.8#
56	541.7	105.6	145.6#

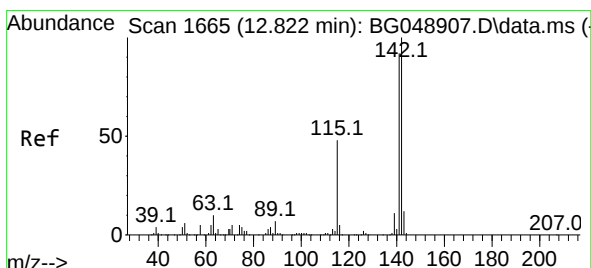
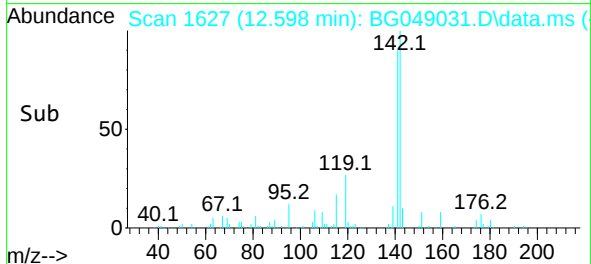
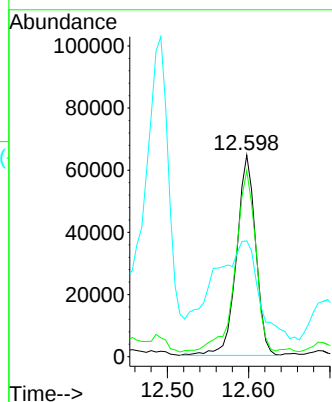
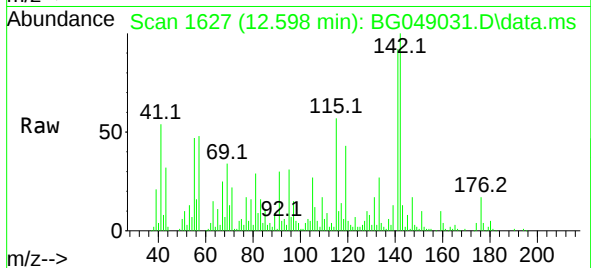




#37
2-Methylnaphthalene
Concen: 15.523 ng
RT: 12.598 min Scan# 1627
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

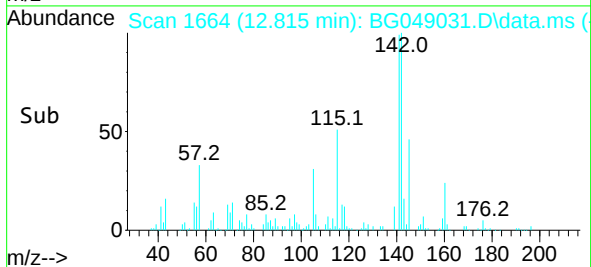
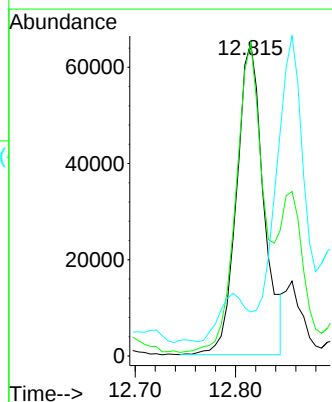
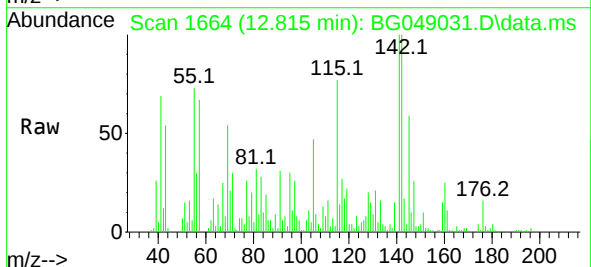
Instrument :
BNA_G
ClientSampled :
X-1

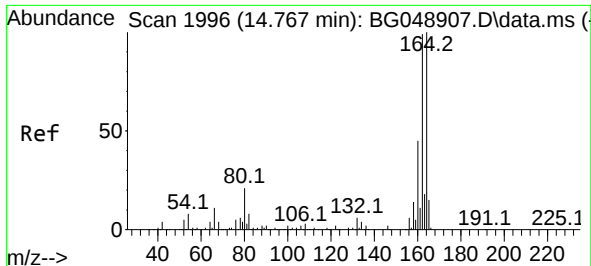
Tgt Ion:142 Resp: 105131
Ion Ratio Lower Upper
142 100
141 92.2 68.8 103.2
115 57.5 36.4 54.6#



#38
1-Methylnaphthalene
Concen: 19.019 ng
RT: 12.815 min Scan# 1664
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

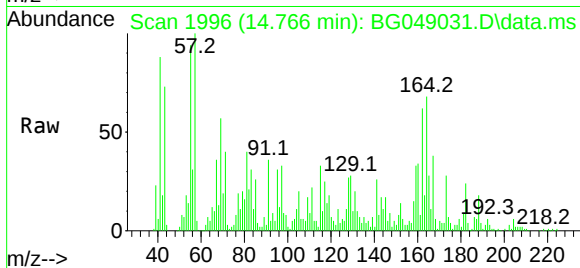
Tgt Ion:142 Resp: 120930
Ion Ratio Lower Upper
142 100
141 100.1 70.6 106.0
116 14.0 4.0 6.0#



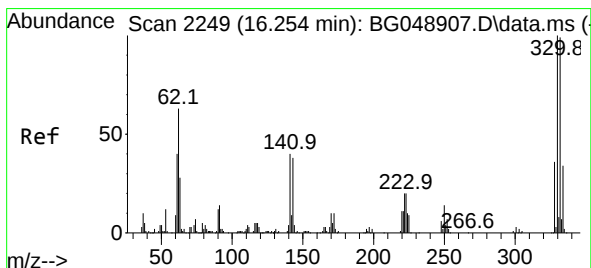
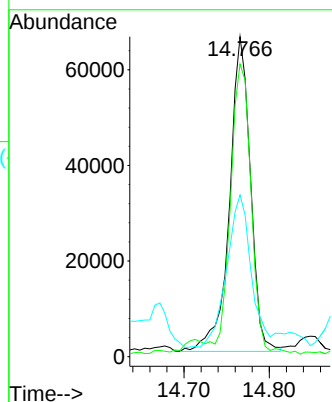
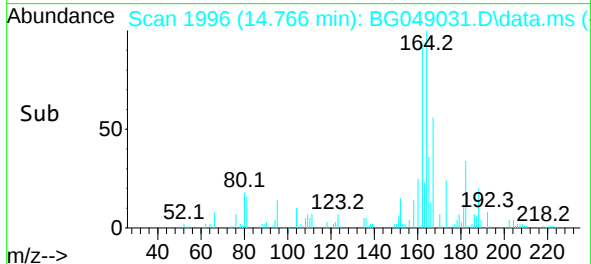


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.766 min Scan# 1996
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

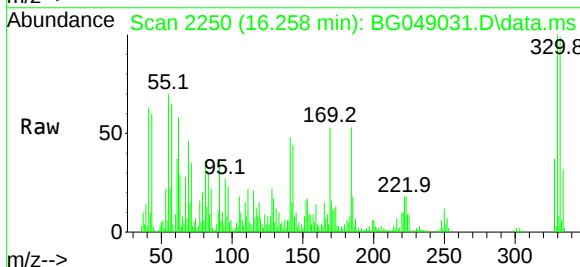
Instrument :
BNA_G
ClientSampled :
X-1



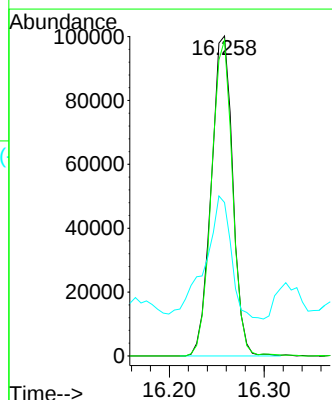
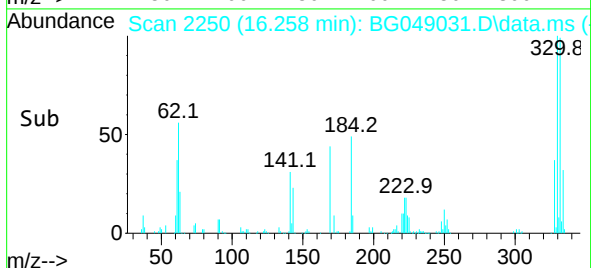
Tgt Ion:164 Resp: 112574
Ion Ratio Lower Upper
164 100
162 91.5 81.4 122.0
160 50.5 34.9 52.3

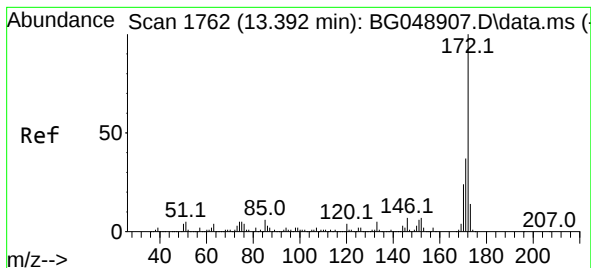


#42
2,4,6-Tribromophenol
Concen: 94.298 ng
RT: 16.258 min Scan# 2250
Delta R.T. 0.013 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57



Tgt Ion:330 Resp: 157275
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 47.1 35.6 53.4

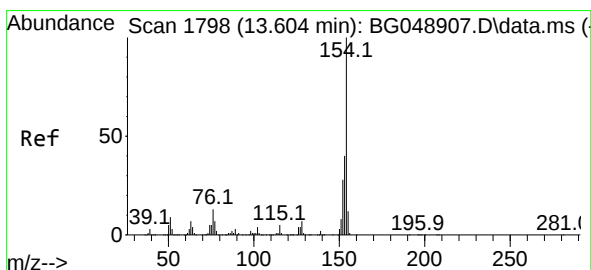
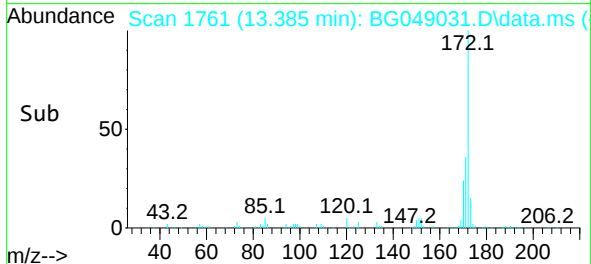
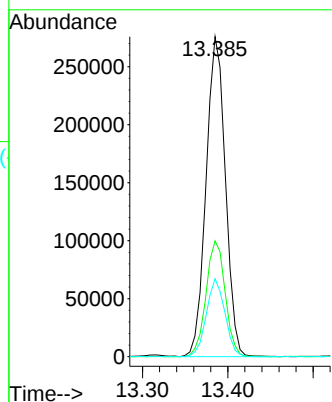
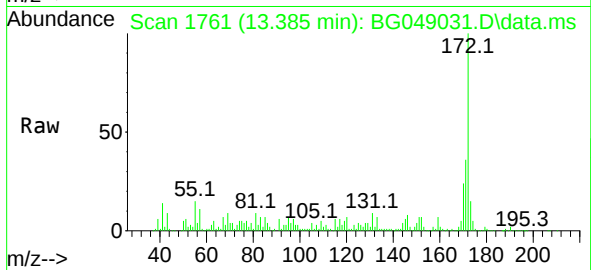




#45
2-Fluorobiphenyl
Concen: 54.533 ng
RT: 13.385 min Scan# 1761
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

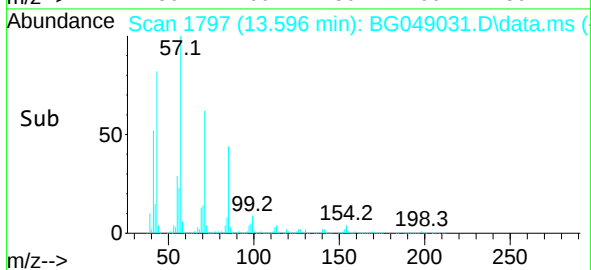
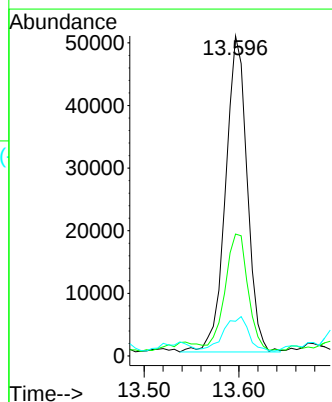
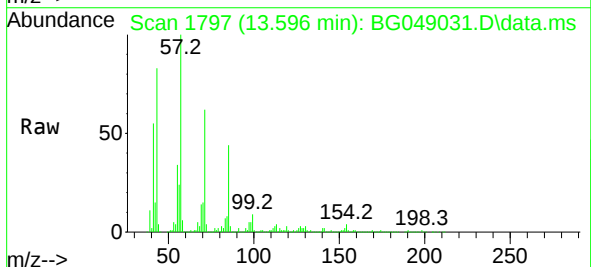
Instrument :
BNA_G
ClientSampleId :
X-1

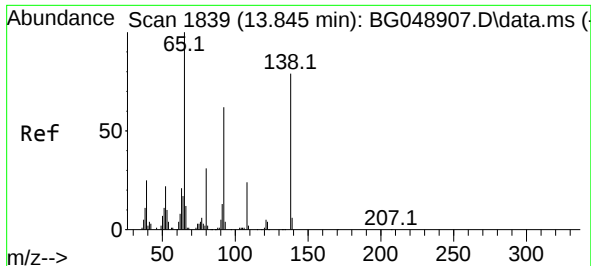
Tgt Ion:172 Resp: 434567
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 24.3 18.6 27.8



#46
1,1'-Biphenyl
Concen: 9.634 ng
RT: 13.596 min Scan# 1797
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:154 Resp: 79960
Ion Ratio Lower Upper
154 100
153 38.1 20.5 60.5
76 10.9 0.0 29.3

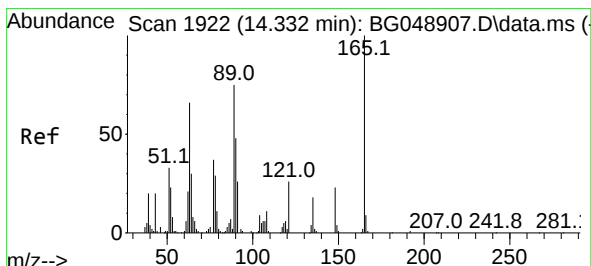
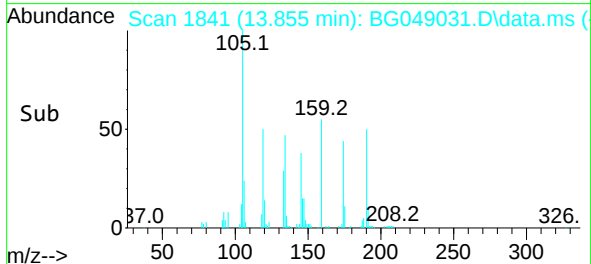
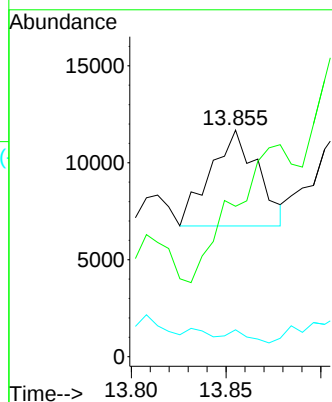
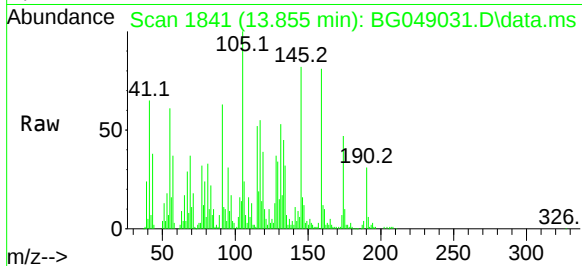




#48
2-Nitroaniline
Concen: 4.662 ng
RT: 13.855 min Scan# 1841
Delta R.T. 0.025 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

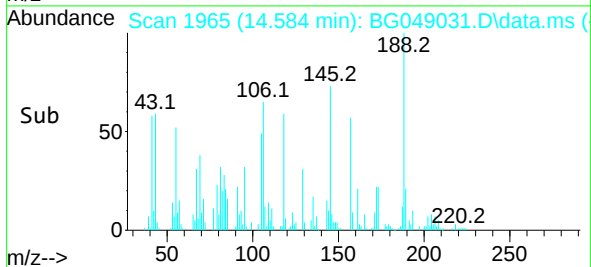
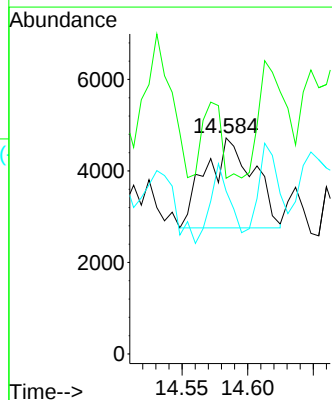
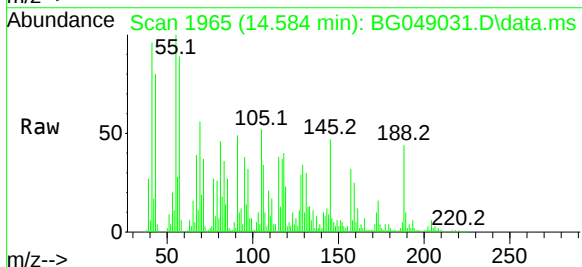
Instrument :
BNA_G
ClientSampled :
X-1

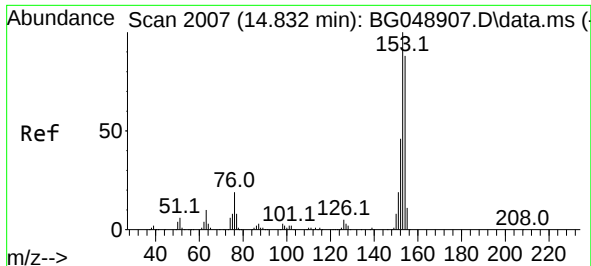
Tgt Ion: 65 Resp: 8583
Ion Ratio Lower Upper
65 100
92 66.4 47.2 70.8
138 11.8 68.0 102.0#



#51
2,6-Dinitrotoluene
Concen: 2.797 ng
RT: 14.584 min Scan# 1965
Delta R.T. 0.260 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:165 Resp: 4994
Ion Ratio Lower Upper
165 100
63 81.4 63.3 94.9
89 75.4 63.4 95.0

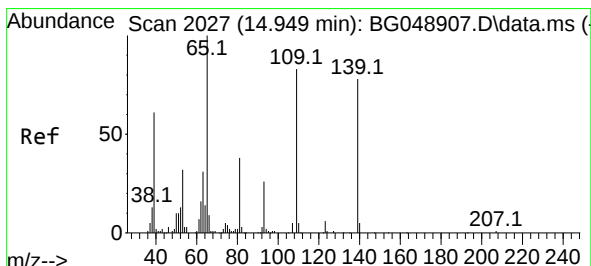
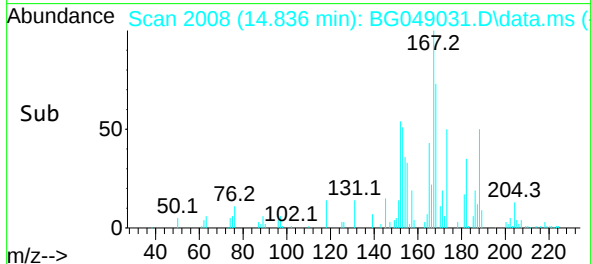
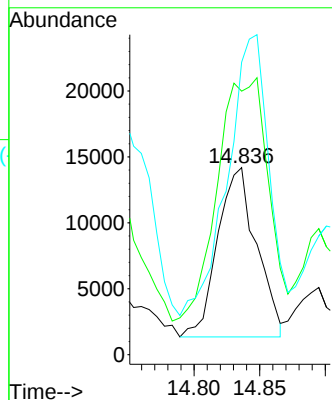
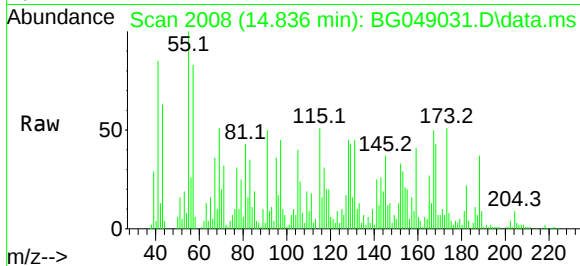




#52
Acenaphthene
Concen: 3.727 ng
RT: 14.836 min Scan# 2008
Delta R.T. 0.013 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

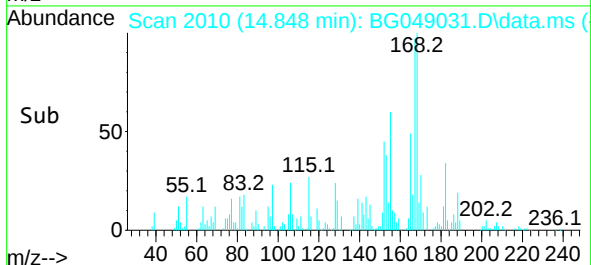
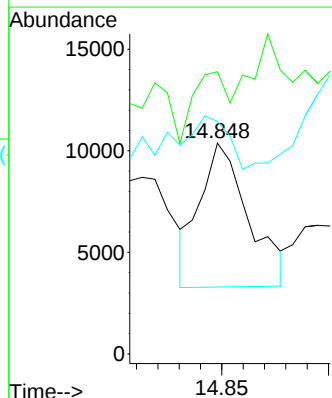
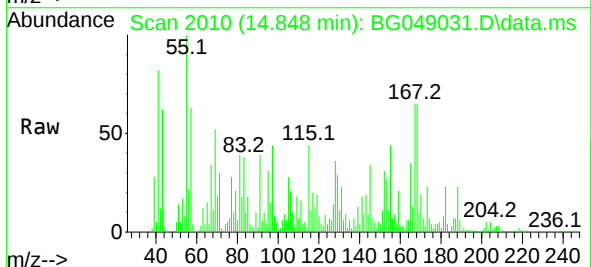
Instrument :
BNA_G
ClientSampled :
X-1

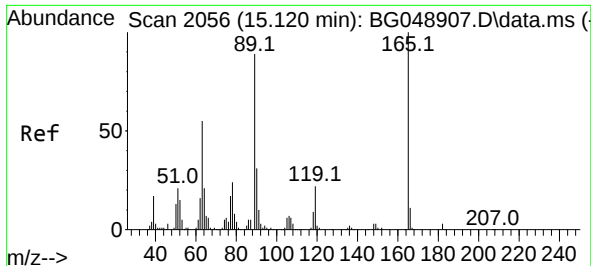
Tgt Ion:154 Resp: 26529
Ion Ratio Lower Upper
154 100
153 140.9 87.0 130.4#
152 156.4 40.1 60.1#



#56
4-Nitrophenol
Concen: 7.627 ng
RT: 14.848 min Scan# 2010
Delta R.T. -0.122 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:139 Resp: 11242
Ion Ratio Lower Upper
139 100
109 133.8 116.3 156.3
65 110.2 105.0 145.0

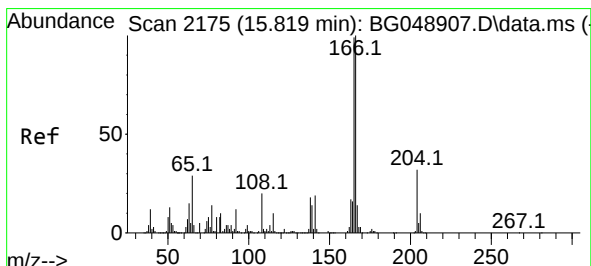
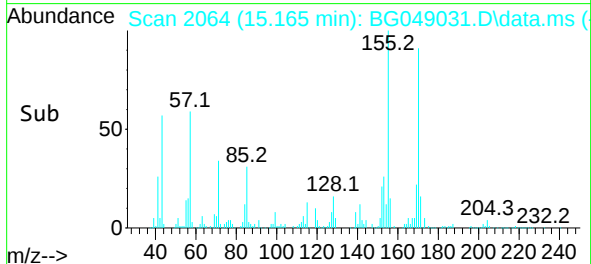
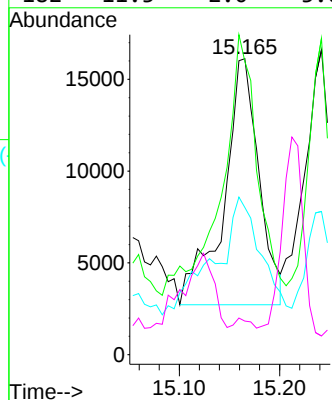
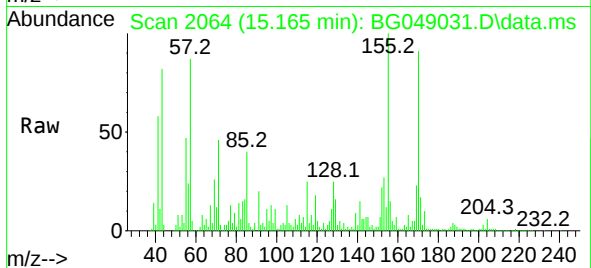




#57
2,4-Dinitrotoluene
Concen: 14.952 ng
RT: 15.165 min Scan# 2064
Delta R.T. 0.054 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

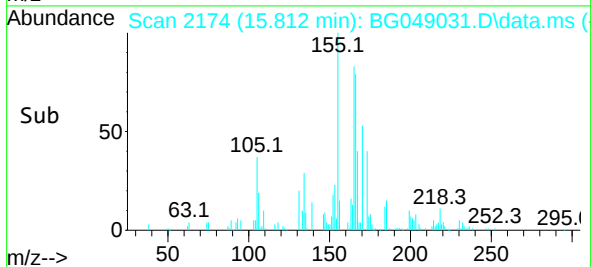
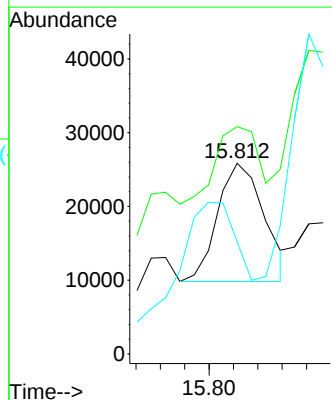
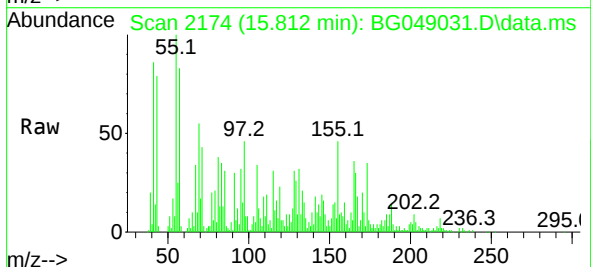
Instrument :
BNA_G
ClientSampled :
X-1

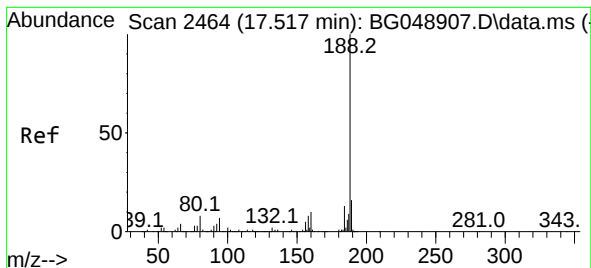
Tgt Ion:165 Resp: 32798
Ion Ratio Lower Upper
165 100
63 99.1 48.0 72.0#
89 49.7 65.4 98.0#
182 11.3 2.0 3.0#



#58
Fluorene
Concen: 2.331 ng
RT: 15.812 min Scan# 2174
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:166 Resp: 21094
Ion Ratio Lower Upper
166 100
165 119.3 77.7 116.5#
167 58.9 10.8 16.2#

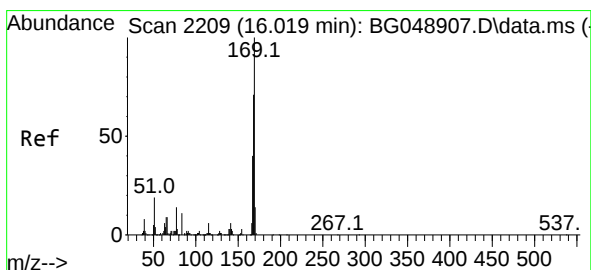
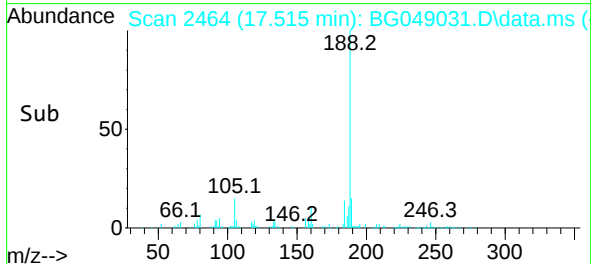
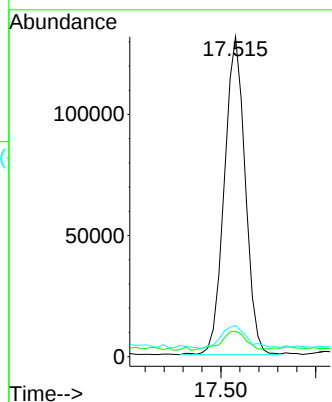
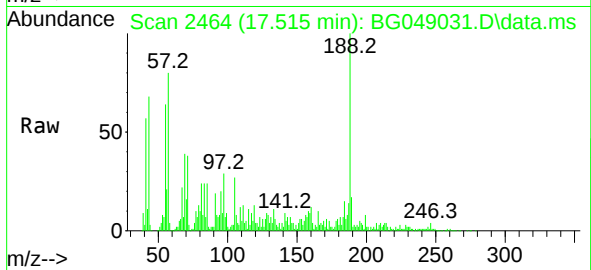




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.515 min Scan# 2464
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

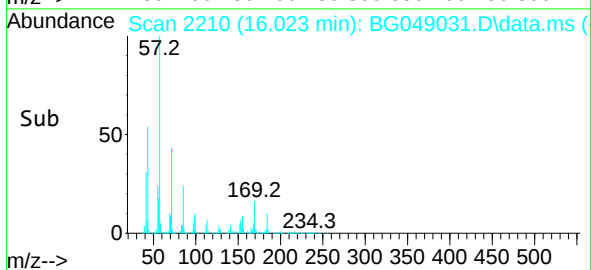
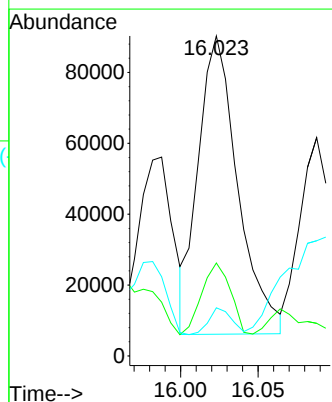
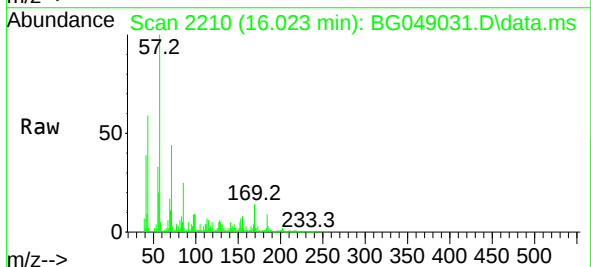
Instrument :
BNA_G
ClientSampled :
X-1

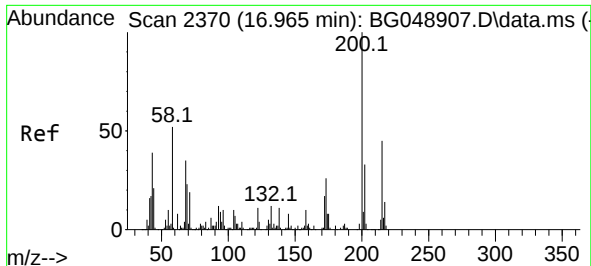
Tgt Ion:188 Resp: 200028
Ion Ratio Lower Upper
188 100
94 7.9 5.4 8.0
80 9.8 3.7 5.5#



#66
n-Nitrosodiphenylamine
Concen: 23.974 ng
RT: 16.023 min Scan# 2210
Delta R.T. 0.013 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:169 Resp: 149449
Ion Ratio Lower Upper
169 100
168 29.1 56.3 84.5#
167 15.1 28.4 42.6#

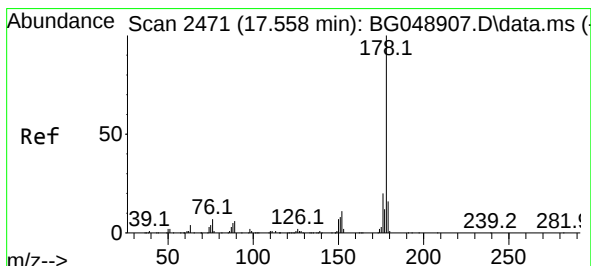
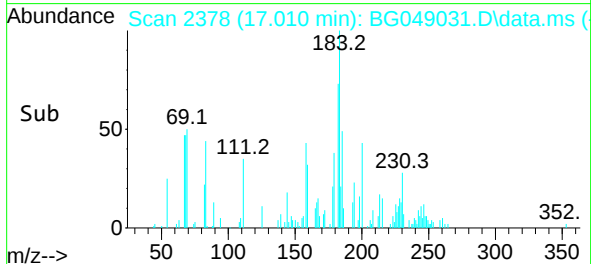
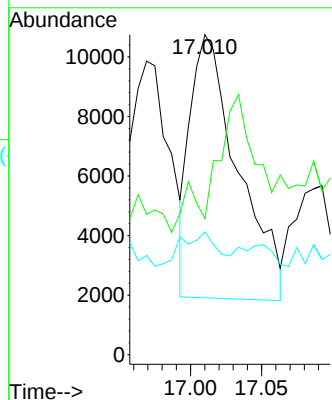
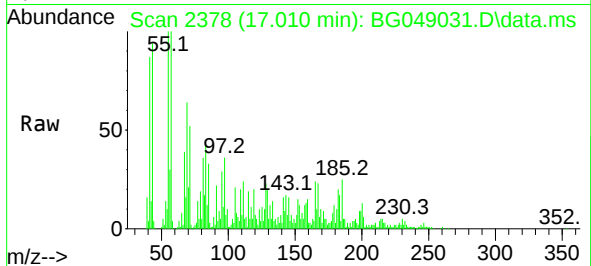




#69
Atrazine
Concen: 10.329 ng
RT: 17.010 min Scan# 2378
Delta R.T. 0.054 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

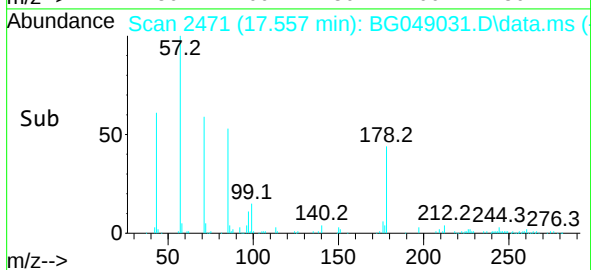
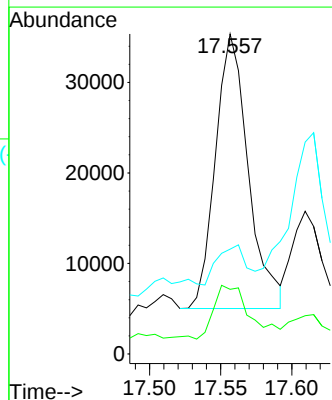
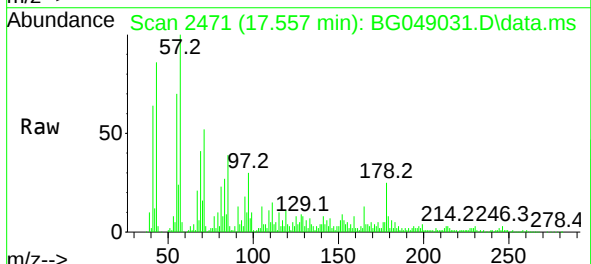
Instrument :
BNA_G
ClientSampled :
X-1

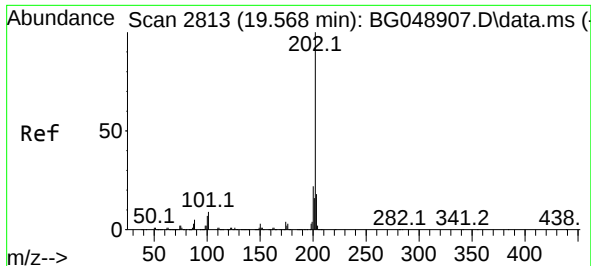
Tgt Ion:200 Resp: 20667
Ion Ratio Lower Upper
200 100
173 42.5 3.7 43.7
215 38.4 26.9 66.9



#71
Phenanthrene
Concen: 4.329 ng
RT: 17.557 min Scan# 2471
Delta R.T. 0.007 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:178 Resp: 48726
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 32.7 14.2 21.4#

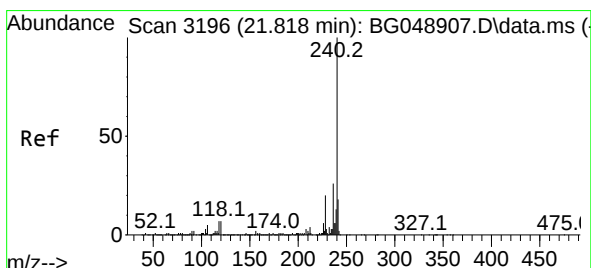
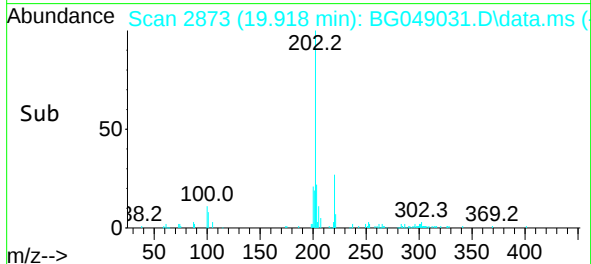
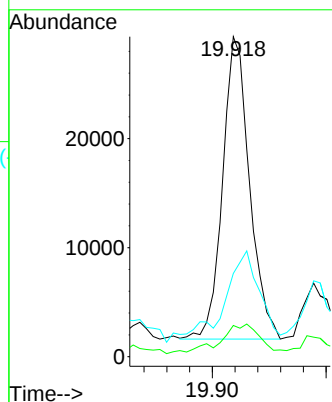
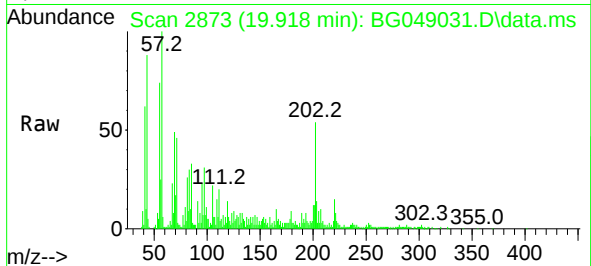




#75
Fluoranthene
Concen: 3.357 ng
RT: 19.918 min Scan# 2873
Delta R.T. 0.365 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

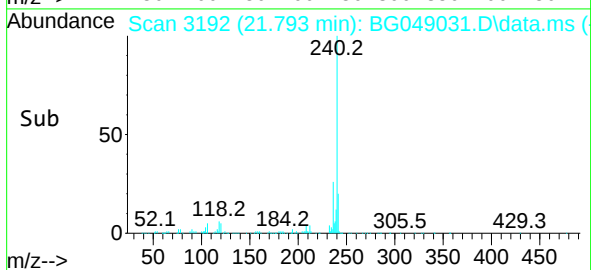
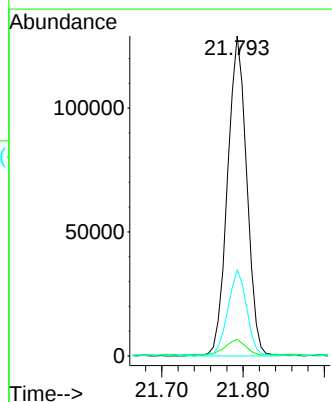
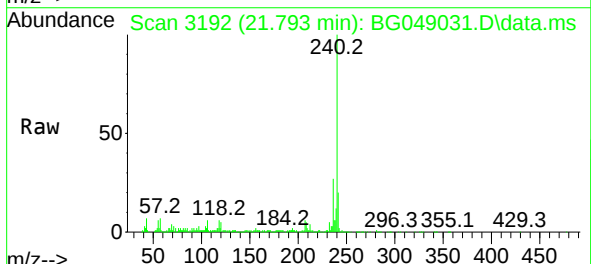
Instrument :
BNA_G
ClientSampled :
X-1

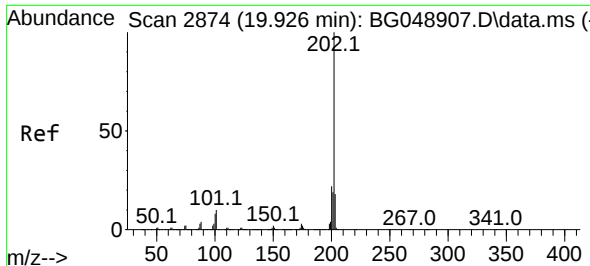
Tgt Ion:202 Resp: 45568
Ion Ratio Lower Upper
202 100
101 9.7 0.0 24.7
203 26.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.793 min Scan# 3192
Delta R.T. -0.005 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

Tgt Ion:240 Resp: 212236
Ion Ratio Lower Upper
240 100
120 5.2 4.2 6.2
236 26.7 21.8 32.6

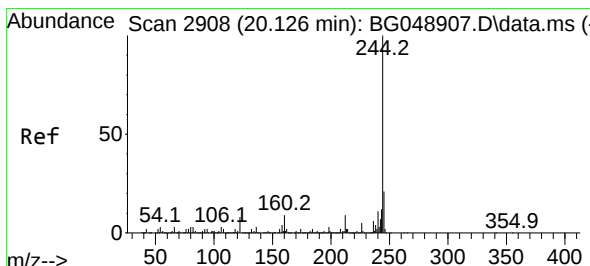
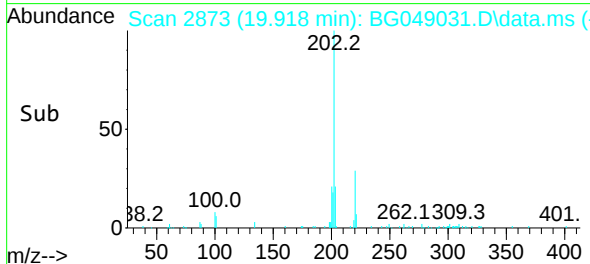
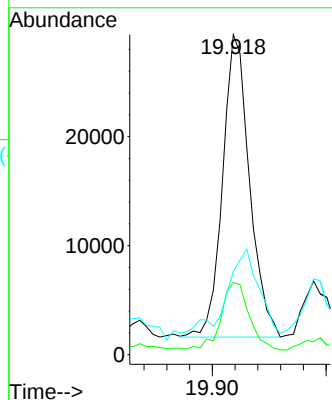
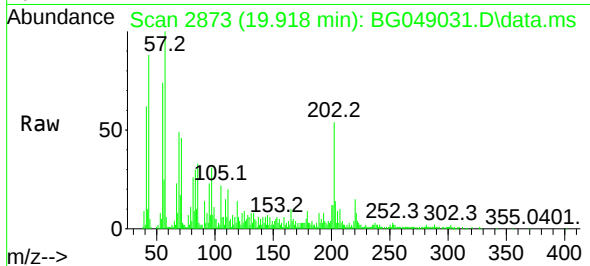




#78
Pyrene
Concen: 2.959 ng
RT: 19.918 min Scan# 2873
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

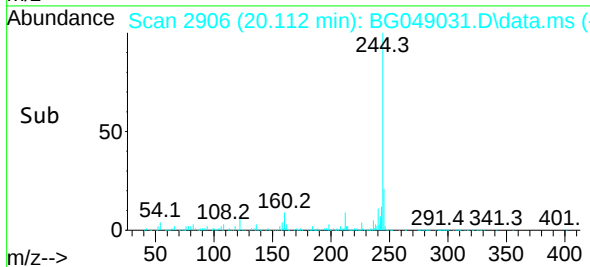
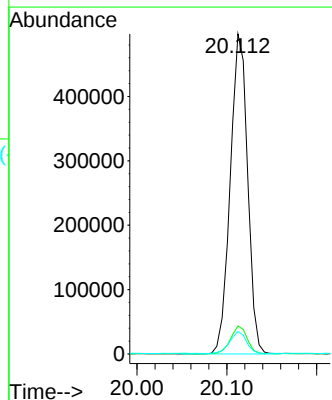
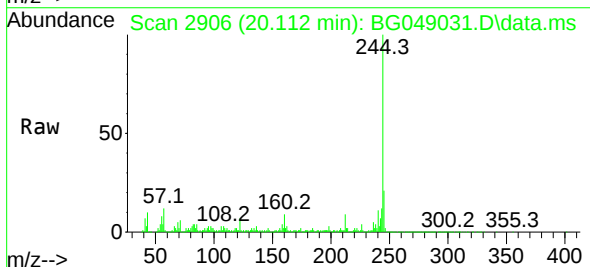
Instrument :
BNA_G
ClientSampled :
X-1

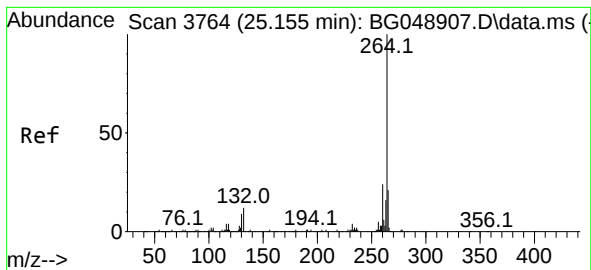
Tgt Ion:202 Resp: 45587
Ion Ratio Lower Upper
202 100
200 22.6 15.8 23.8
203 26.0 14.6 21.8#



#79
Terphenyl-d14
Concen: 57.568 ng
RT: 20.112 min Scan# 2906
Delta R.T. 0.001 min
Lab File: BG049031.D
Acq: 21 Jun 2021 13:57

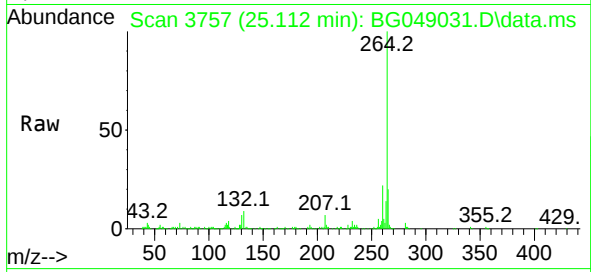
Tgt Ion:244 Resp: 667140
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 7.0 5.0 7.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.112 min Scan# 3757
 Delta R.T. -0.017 min
 Lab File: BG049031.D
 Acq: 21 Jun 2021 13:57

Instrument :
 BNA_G
 ClientSampleId :
 X-1



Tgt Ion:264 Resp: 235370

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.4	29.2
265	20.0	16.9	25.3

