

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054902.D
 Acq On : 9 Sep 2022 18:25
 Operator : CG/JU
 Sample : N4537-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW14

Quant Time: Sep 10 02:00:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

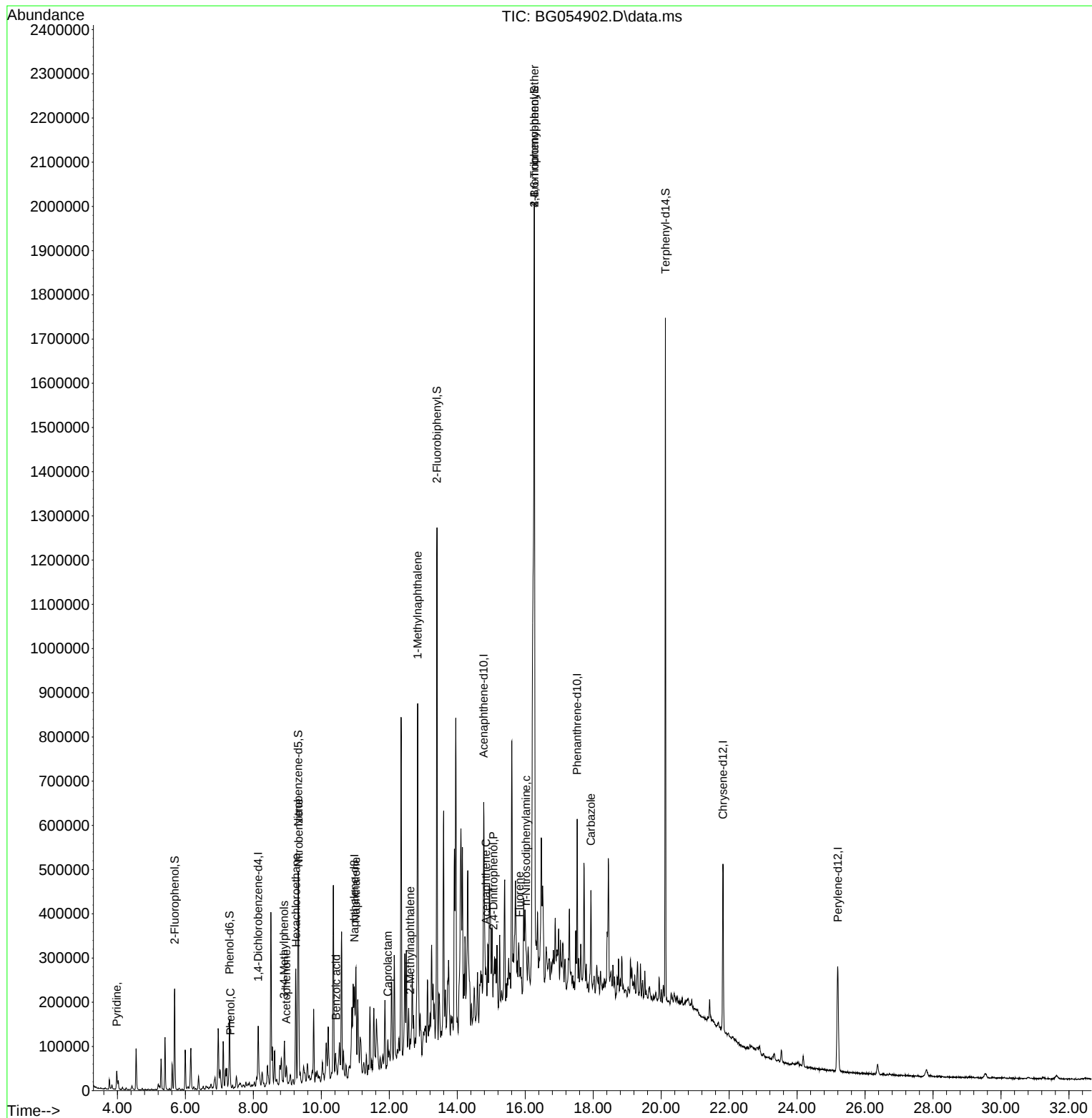
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.140	152	37829	20.000	ng	0.00
21) Naphthalene-d8	10.972	136	165372	20.000	ng	0.00
39) Acenaphthene-d10	14.780	164	129805	20.000	ng	# 0.00
64) Phenanthrene-d10	17.529	188	248080	20.000	ng	0.00
76) Chrysene-d12	21.818	240	245489	20.000	ng	0.00
86) Perylene-d12	25.197	264	261985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	113450	52.224	ng	0.00
7) Phenol-d6	7.300	99	105441	35.491	ng	0.00
23) Nitrobenzene-d5	9.321	82	236875	75.195	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	183192	112.942	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	646861	74.900	ng	0.00
79) Terphenyl-d14	20.126	244	766261	61.846	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.981	79	11864	4.100	ng	# 21
10) Phenol	7.330	94	6978	2.284	ng	95
18) Hexachloroethane	9.257	117	38931	38.752	ng	# 1
20) 3+4-Methylphenols	8.910	107	44956	15.412	ng	86
22) Acetophenone	8.969	105	12776	3.088	ng	# 99
24) Nitrobenzene	9.333	77	7217	2.273	ng	# 2
31) Naphthalene	11.019	128	128484	14.481	ng	# 95
32) Benzoic acid	10.438	122	6332	11.146	ng	# 75
35) Caprolactam	11.954	113	3550	3.981	ng	# 72
37) 2-Methylnaphthalene	12.617	142	20238	3.254	ng	# 95
38) 1-Methylnaphthalene	12.835	142	251099	41.502	ng	# 96
52) Acenaphthene	14.844	154	19152	2.468	ng	# 89
54) 2,4-Dinitrophenol	15.068	184	4090	9.946	ng	# 62
58) Fluorene	15.825	166	32796	3.414	ng	# 93
66) n-Nitrosodiphenylamine	16.025	169	18022	2.519	ng	# 56
67) 4-Bromophenyl-phenylether	16.272	248	11817	4.339	ng	# 1
73) Carbazole	17.935	167	154098	13.017	ng	100

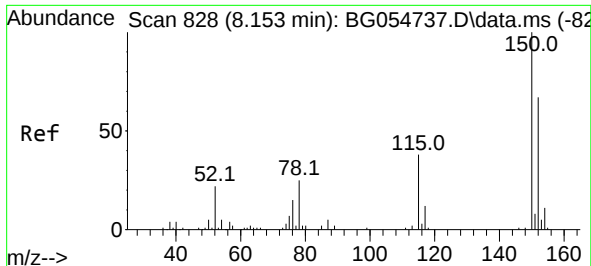
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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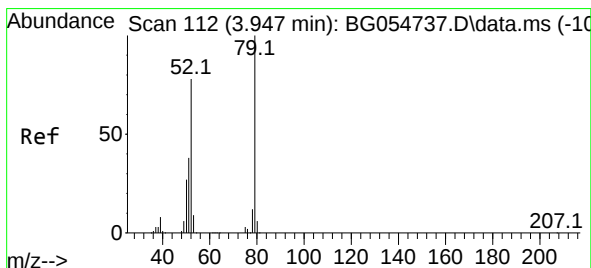
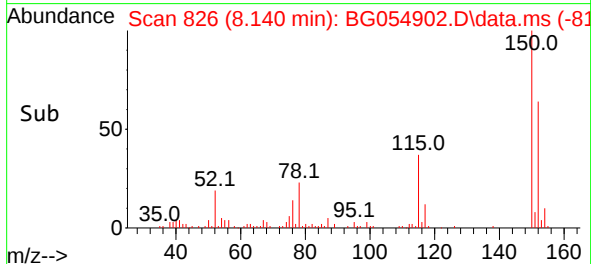
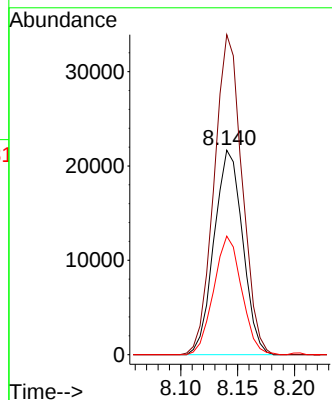
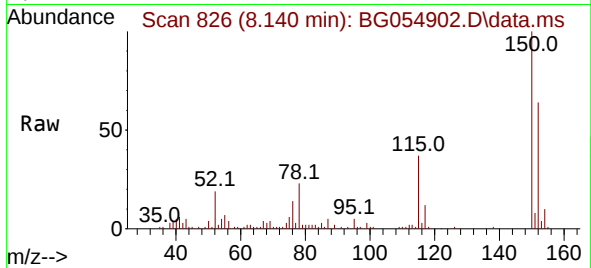




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.140 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

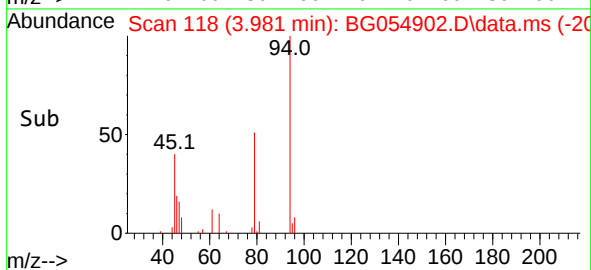
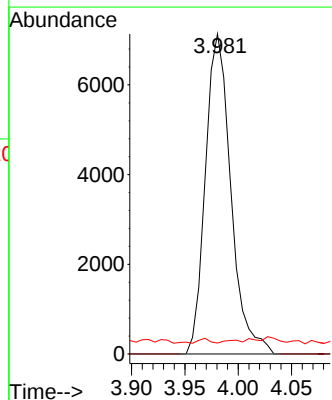
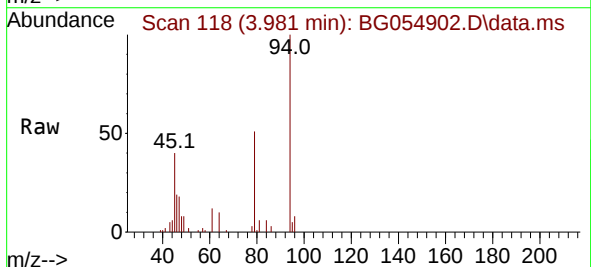
Instrument :
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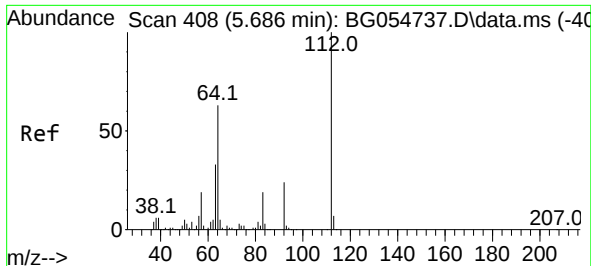
Tgt Ion:152 Resp: 37829
Ion Ratio Lower Upper
152 100
150 156.5 125.2 187.8
115 58.0 47.9 71.9



#3
Pyridine
Concen: 4.100 ng
RT: 3.981 min Scan# 118
Delta R.T. 0.047 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion: 79 Resp: 11864
Ion Ratio Lower Upper
79 100
52 0.0 61.4 92.0#
51 3.4 31.4 47.0#

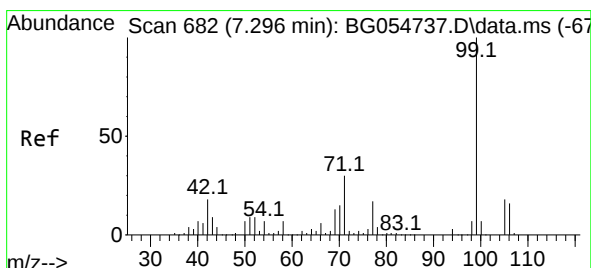
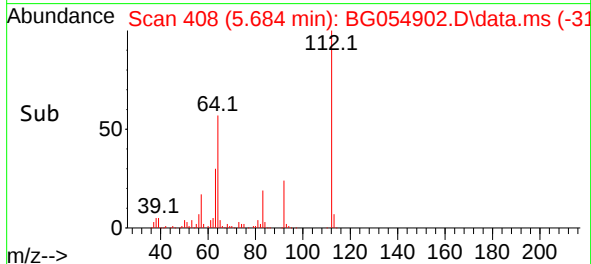
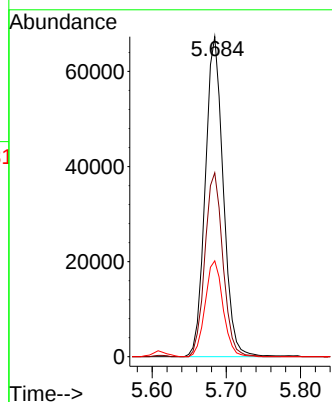
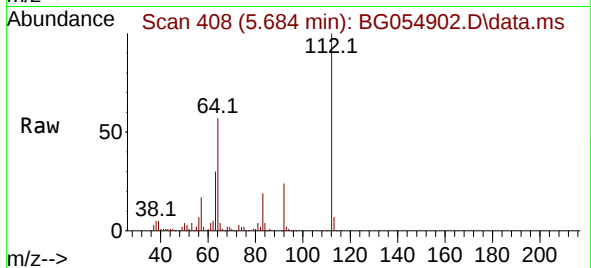




#5
2-Fluorophenol
Concen: 52.224 ng
RT: 5.684 min Scan# 408
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

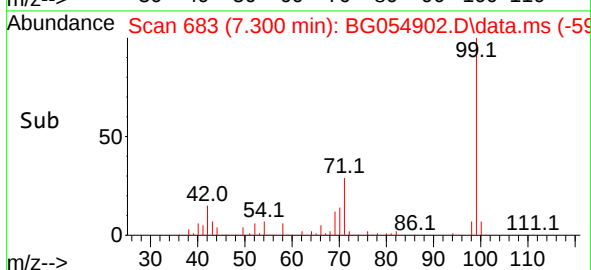
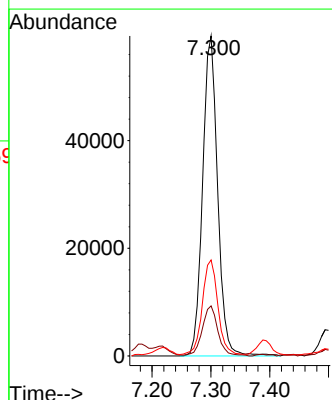
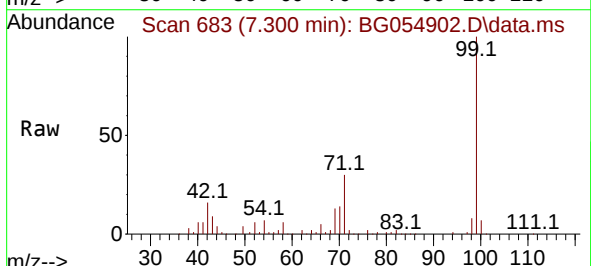
Instrument :
BNA_G
ClientSampleId :
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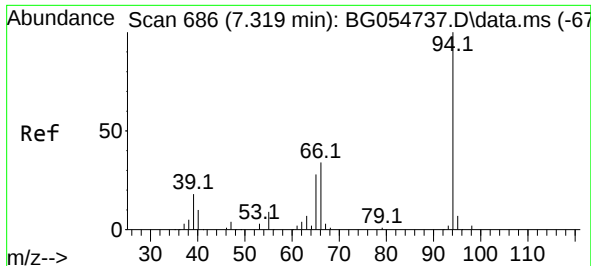
Tgt Ion:112 Resp: 113450
Ion Ratio Lower Upper
112 100
64 57.5 49.3 73.9
63 30.0 26.3 39.5



#7
Phenol-d6
Concen: 35.491 ng
RT: 7.300 min Scan# 683
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion: 99 Resp: 105441
Ion Ratio Lower Upper
99 100
42 15.7 14.6 22.0
71 30.0 24.6 37.0

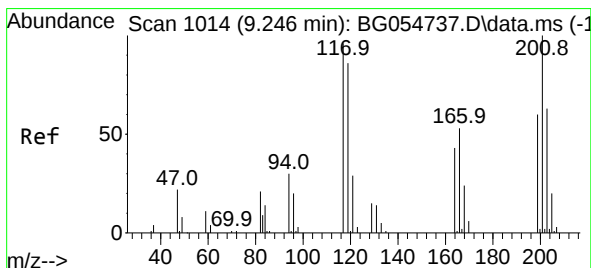
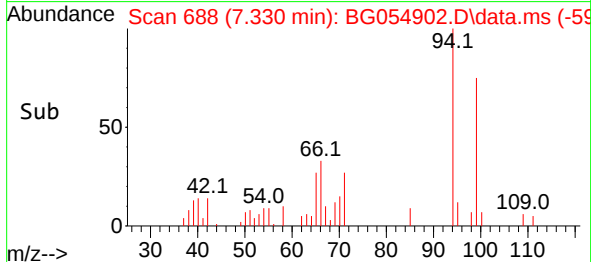
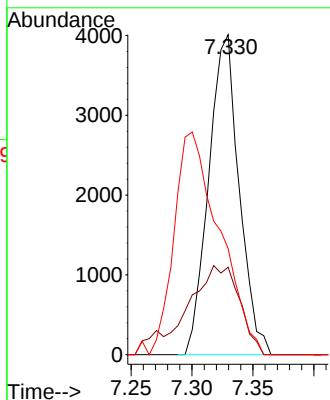
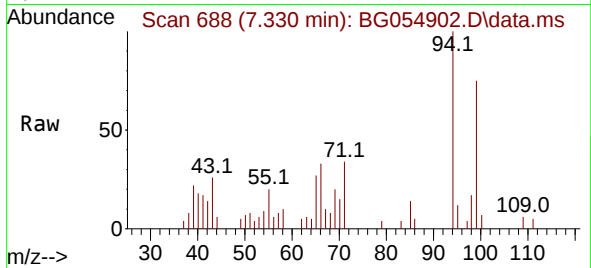




#10
Phenol
Concen: 2.284 ng
RT: 7.330 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

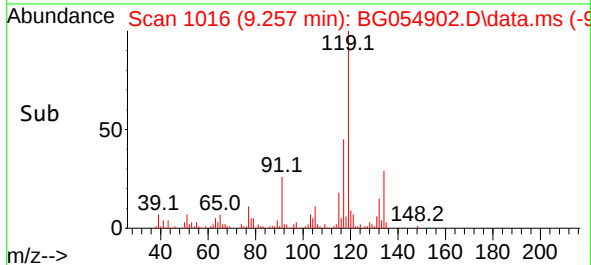
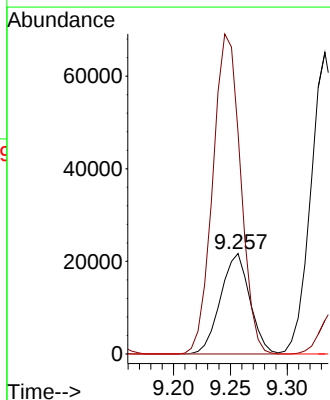
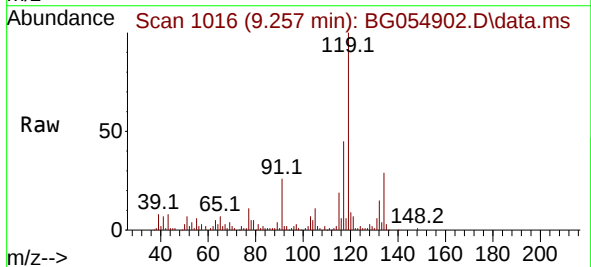
Instrument :
BNA_G
ClientSampleId :
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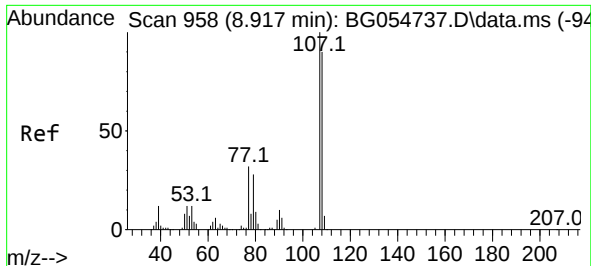
Tgt Ion: 94 Resp: 6978
Ion Ratio Lower Upper
94 100
65 27.4 9.9 49.9
66 33.2 16.4 56.4



#18
Hexachloroethane
Concen: 38.752 ng
RT: 9.257 min Scan# 1016
Delta R.T. 0.024 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion: 117 Resp: 38931
Ion Ratio Lower Upper
117 100
119 220.4 77.0 115.6#
201 0.0 87.2 130.8#

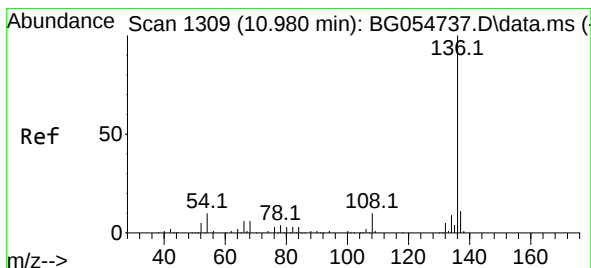
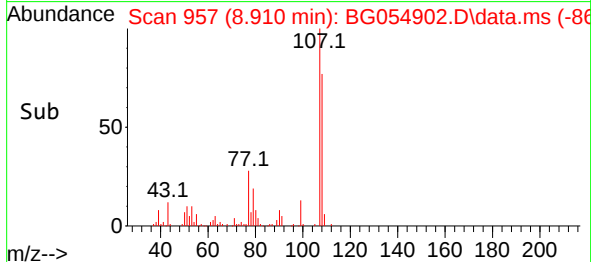
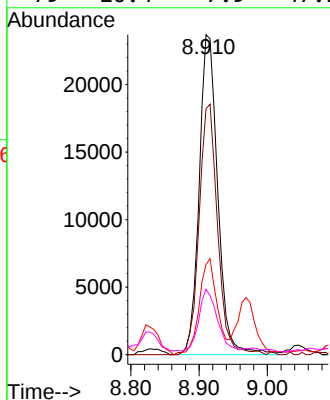
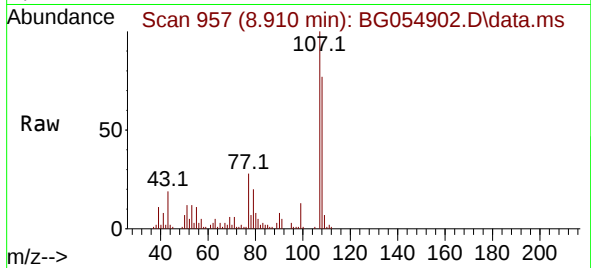




#20
3+4-Methylphenols
Concen: 15.412 ng
RT: 8.910 min Scan# 910
Delta R.T. -0.012 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

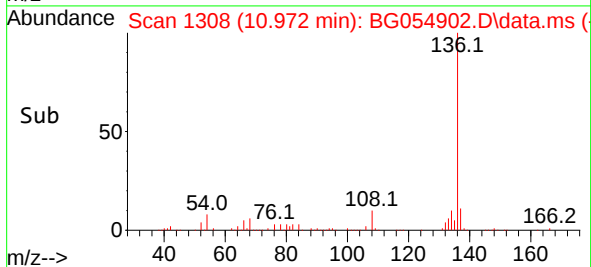
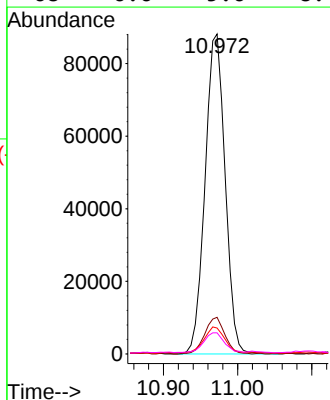
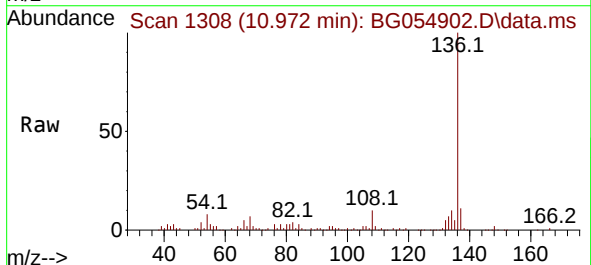
Instrument :
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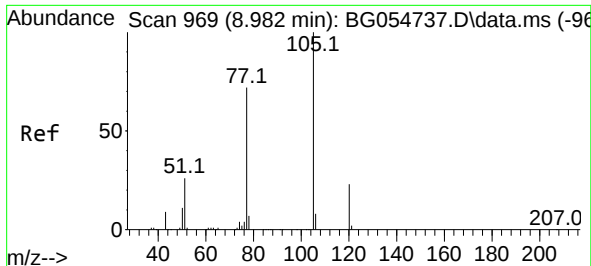
Tgt Ion:107	Resp:	44956	
Ion	Ratio	Lower	Upper
107	100		
108	76.8	71.6	111.6
77	28.1	13.1	53.1
79	20.4	7.9	47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.972 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt	Ion:136	Resp:	165372
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	8.1	7.7	11.5
68	6.6	5.6	8.4

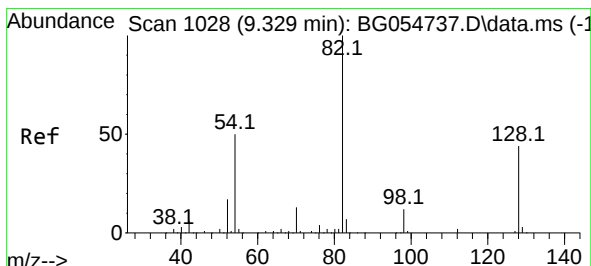
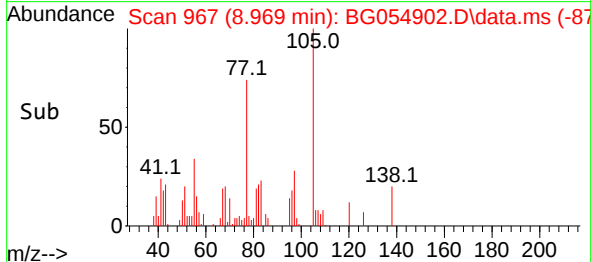
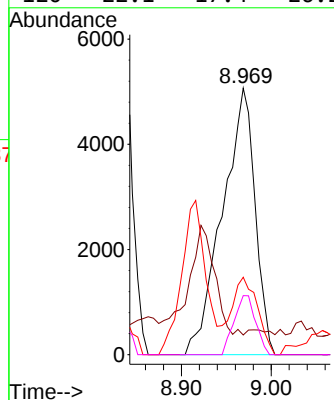
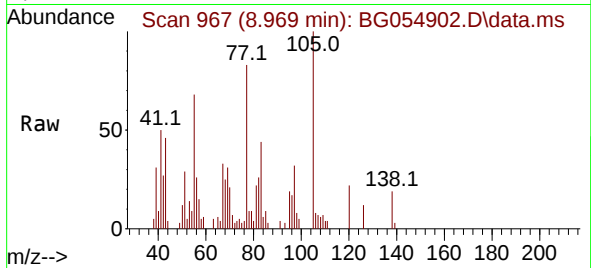




#22
Acetophenone
Concen: 3.088 ng
RT: 8.969 min Scan# 90
Delta R.T. -0.006 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

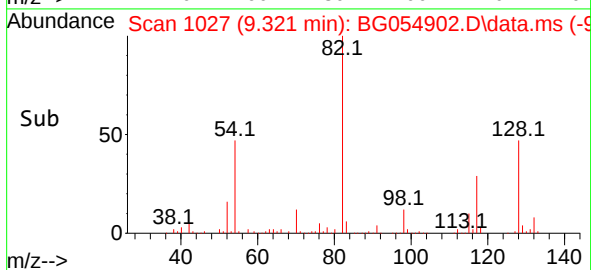
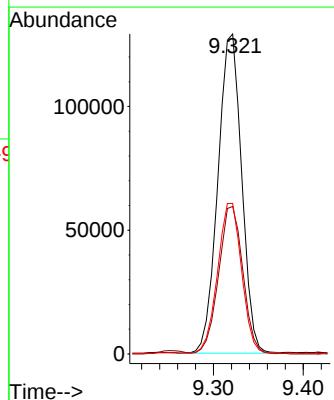
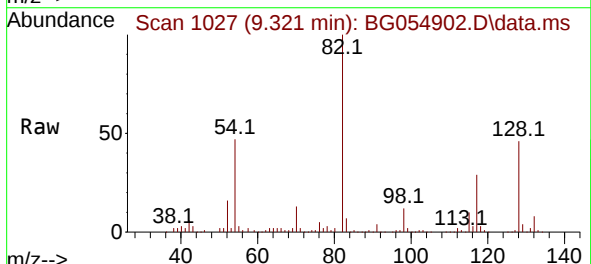
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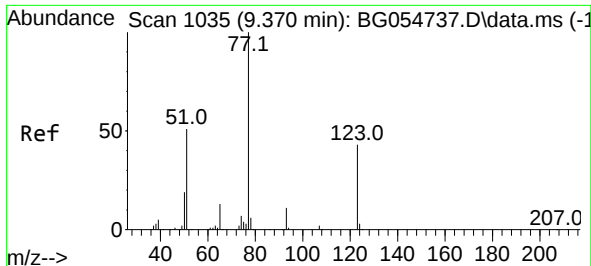
Tgt Ion:	105	Resp:	12776
Ion	Ratio	Lower	Upper
105	100		
71	7.4	1.2	1.8#
51	29.1	22.9	34.3
120	22.1	17.4	26.2



#23
Nitrobenzene-d5
Concen: 75.195 ng
RT: 9.321 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:	82	Resp:	236875
Ion	Ratio	Lower	Upper
82	100		
128	46.1	32.2	48.2
54	47.0	41.4	62.0

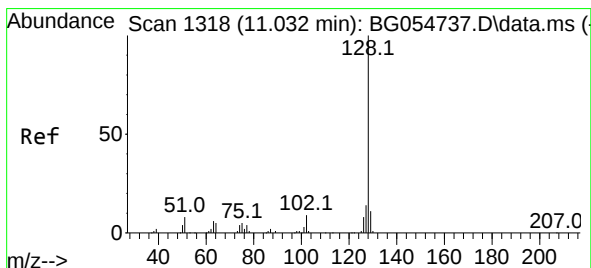
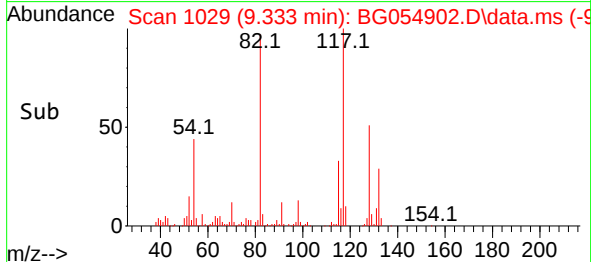
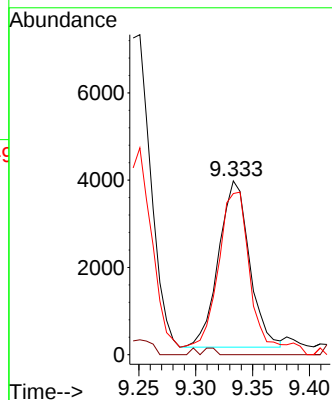
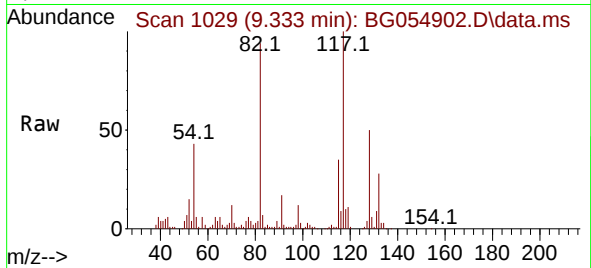




#24
Nitrobenzene
Concen: 2.273 ng
RT: 9.333 min Scan# 1029
Delta R.T. -0.029 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

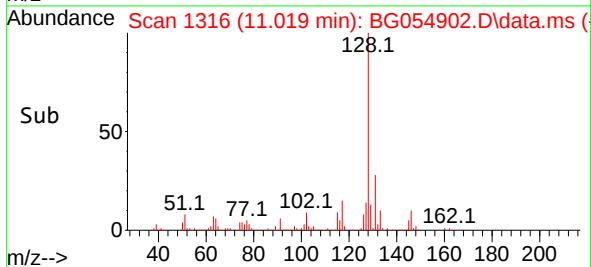
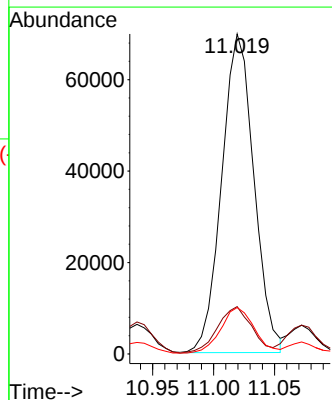
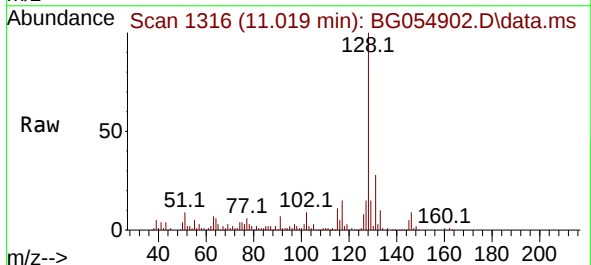
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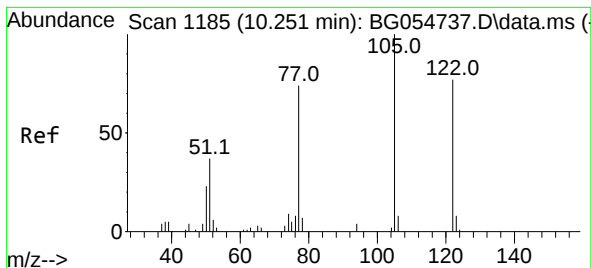
Tgt Ion: 77 Resp: 7217
Ion Ratio Lower Upper
77 100
123 0.0 35.0 52.6#
65 92.7 10.2 15.2#



#31
Naphthalene
Concen: 14.481 ng
RT: 11.019 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:128 Resp: 128484
Ion Ratio Lower Upper
128 100
129 14.8 9.0 13.4#
127 14.5 11.1 16.7





#32

Benzoic acid

Concen: 11.146 ng

RT: 10.438 min Scan# 11

Delta R.T. 0.094 min

Lab File: BG054902.D

Acq: 9 Sep 2022 18:25

Instrument :

BNA_G

ClientSampleId :

MW14

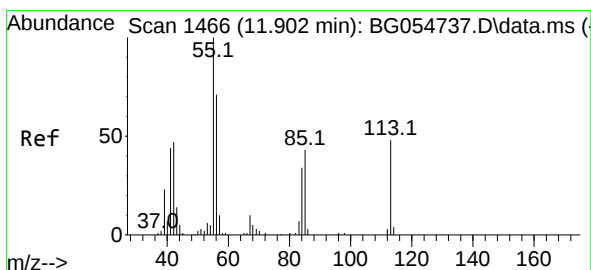
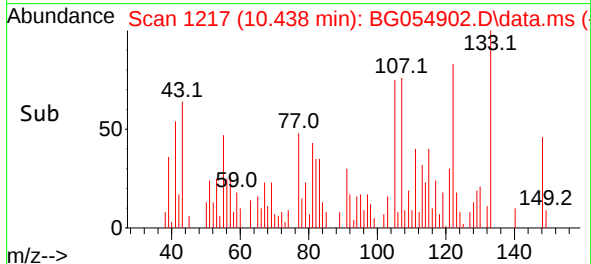
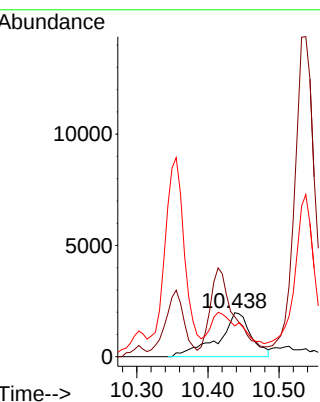
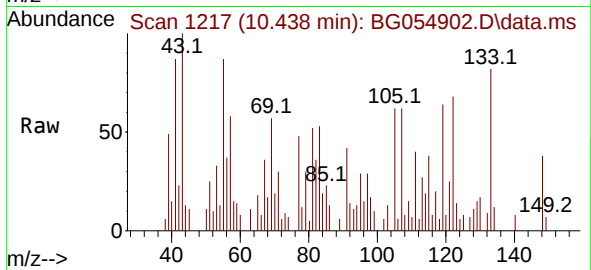
Tgt Ion:122 Resp: 6332

Ion Ratio Lower Upper

122 100

105 90.5 101.5 141.5#

77 69.8 69.3 109.3



#35

Caprolactam

Concen: 3.981 ng

RT: 11.954 min Scan# 1475

Delta R.T. 0.041 min

Lab File: BG054902.D

Acq: 9 Sep 2022 18:25

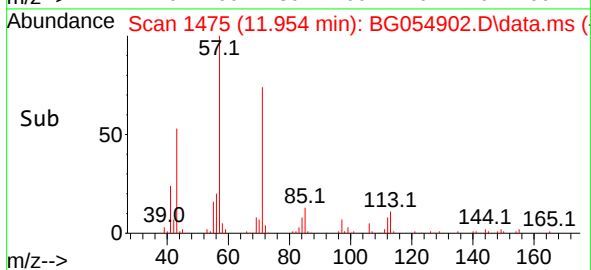
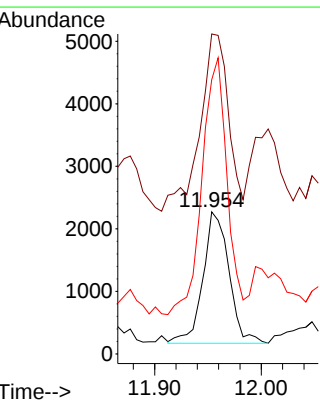
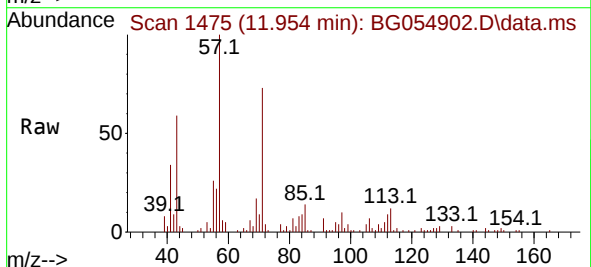
Tgt Ion:113 Resp: 3550

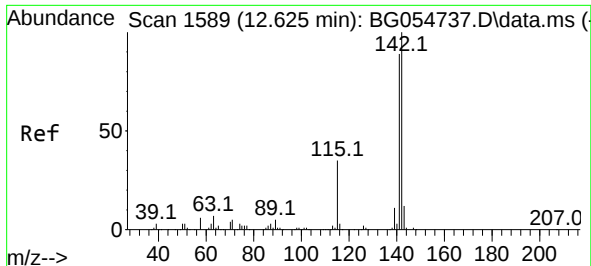
Ion Ratio Lower Upper

113 100

55 225.3 179.1 219.1#

56 193.1 120.8 160.8#





#37

2-Methylnaphthalene

Concen: 3.254 ng

RT: 12.617 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG054902.D

Acq: 9 Sep 2022 18:25

Instrument :

BNA_G

ClientSampleId :

MW14

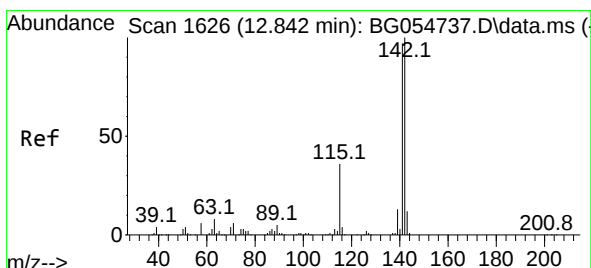
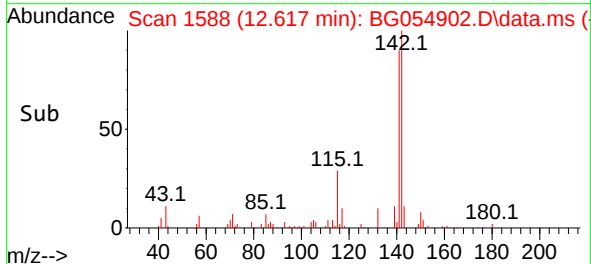
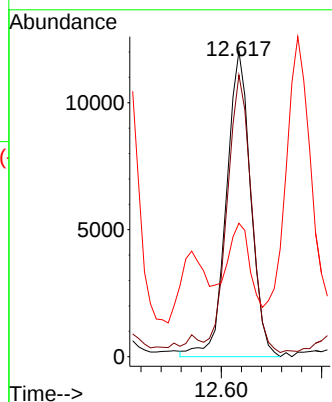
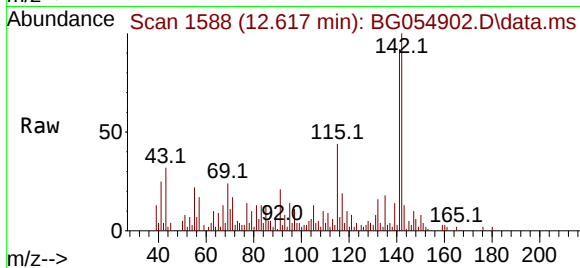
Tgt Ion:142 Resp: 20238

Ion Ratio Lower Upper

142 100

141 92.3 73.0 109.4

115 43.7 27.3 40.9#



#38

1-Methylnaphthalene

Concen: 41.502 ng

RT: 12.835 min Scan# 1625

Delta R.T. 0.000 min

Lab File: BG054902.D

Acq: 9 Sep 2022 18:25

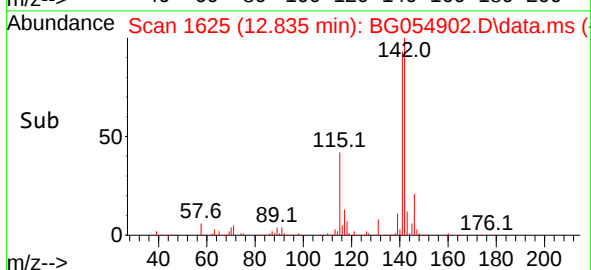
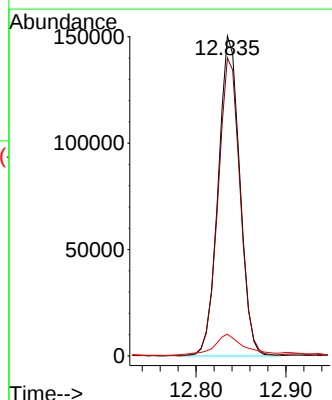
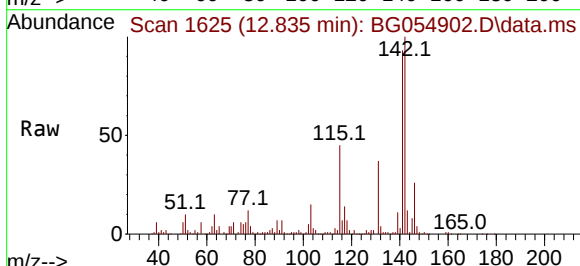
Tgt Ion:142 Resp: 251099

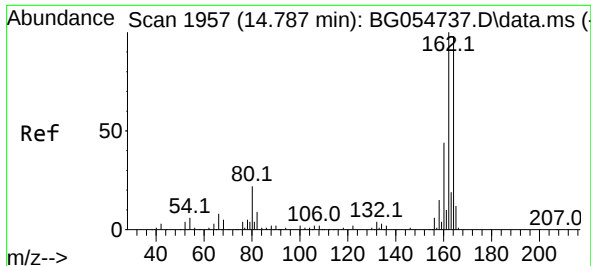
Ion Ratio Lower Upper

142 100

141 93.1 77.4 116.0

116 6.8 3.0 4.4#

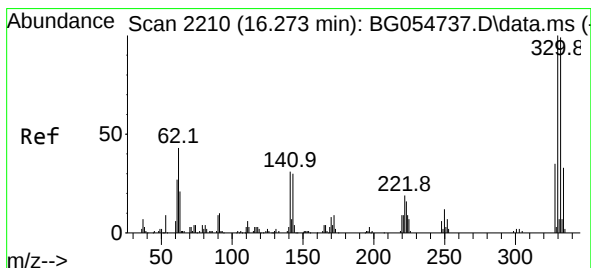
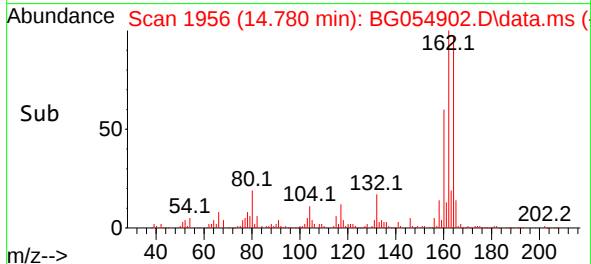
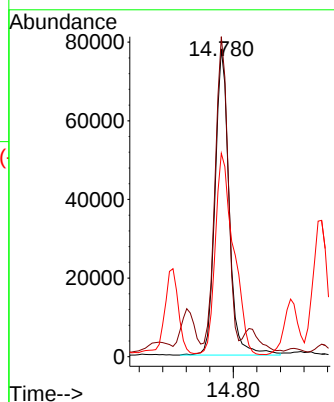
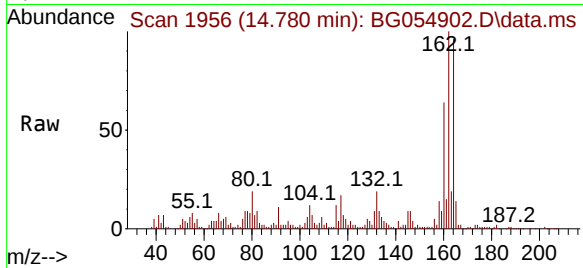




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

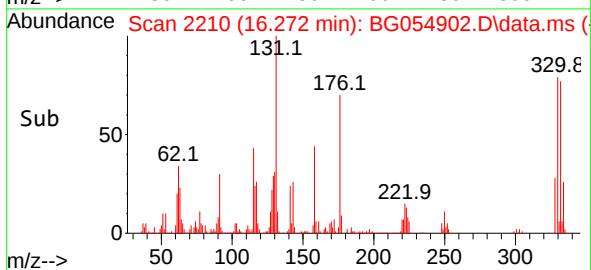
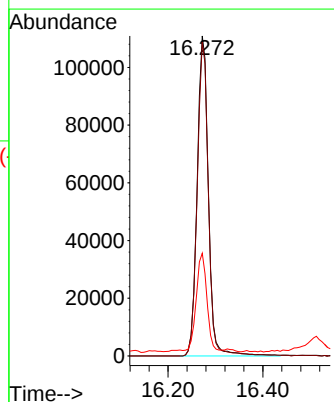
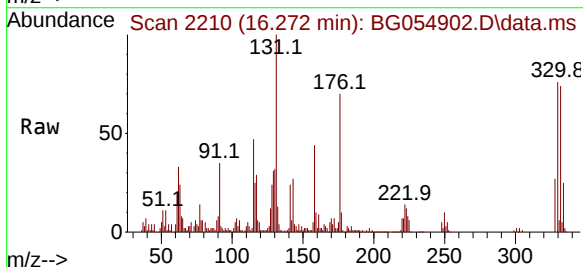
Instrument :
BNA_G
ClientSampleId :
MW14

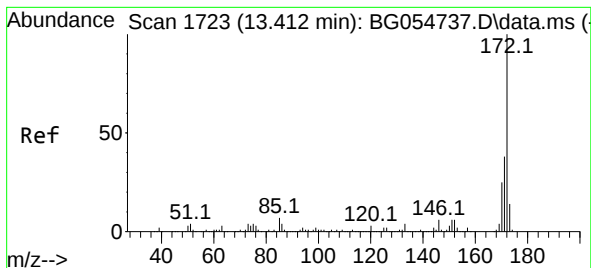
Tgt Ion:164 Resp: 129805
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.4
160 66.0 38.0 57.0#



#42
2,4,6-Tribromophenol
Concen: 112.942 ng
RT: 16.272 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:330 Resp: 183192
Ion Ratio Lower Upper
330 100
332 97.2 79.8 119.6
141 30.3 26.8 40.2

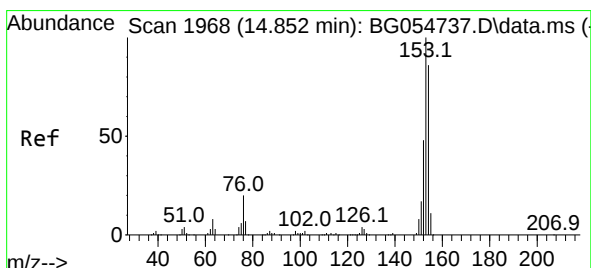
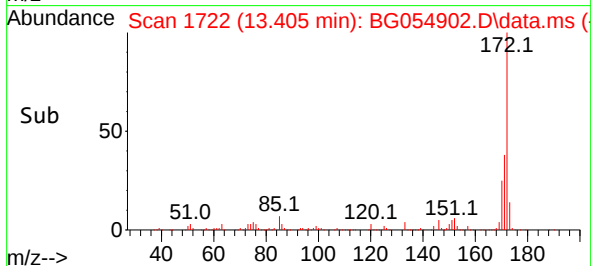
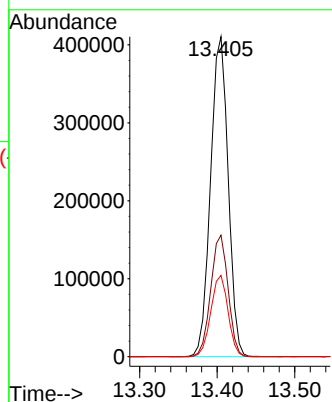
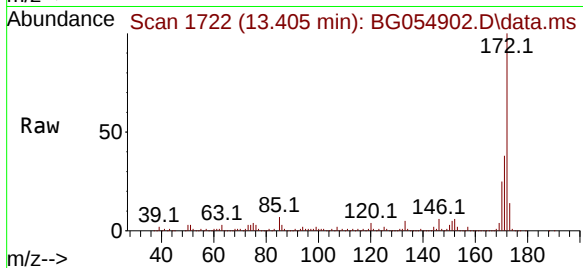




#45
2-Fluorobiphenyl
Concen: 74.900 ng
RT: 13.405 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

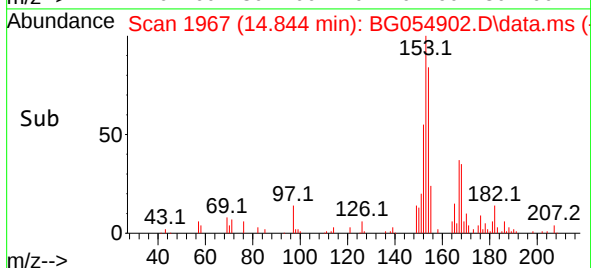
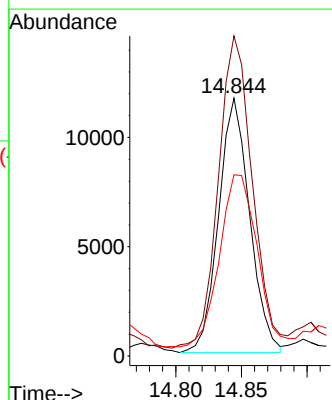
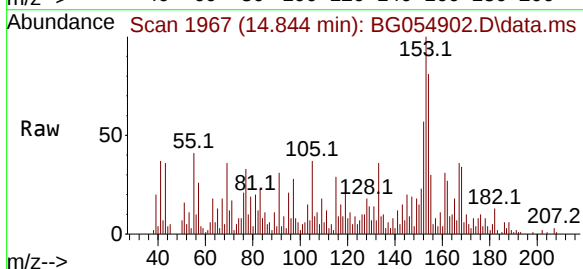
Instrument :
BNA_G
ClientSampleId :
MW14

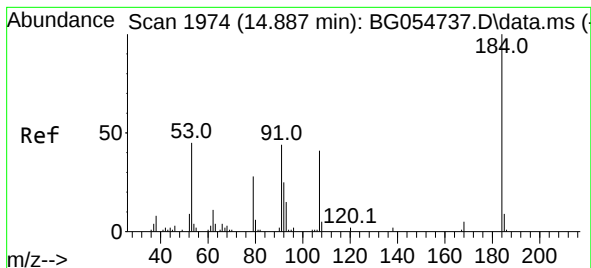
Tgt Ion:172 Resp: 646861
Ion Ratio Lower Upper
172 100
171 38.0 31.2 46.8
170 25.4 20.6 30.8



#52
Acenaphthene
Concen: 2.468 ng
RT: 14.844 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:154 Resp: 19152
Ion Ratio Lower Upper
154 100
153 124.1 92.8 139.2
152 70.2 45.4 68.2#

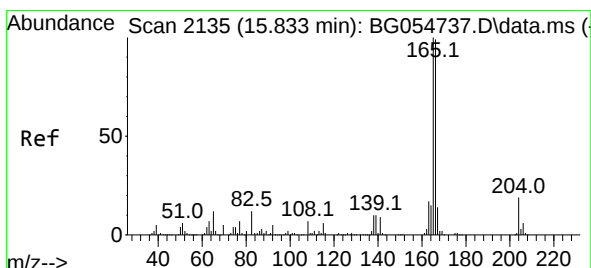
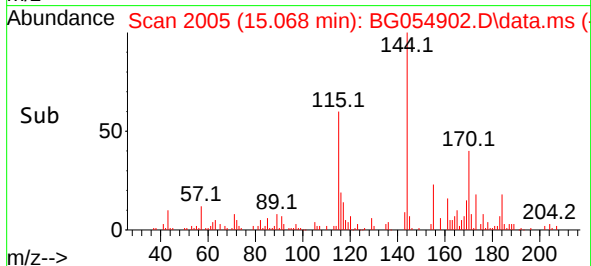
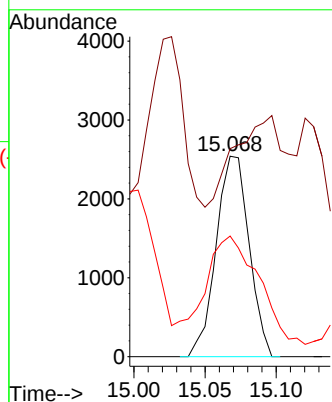
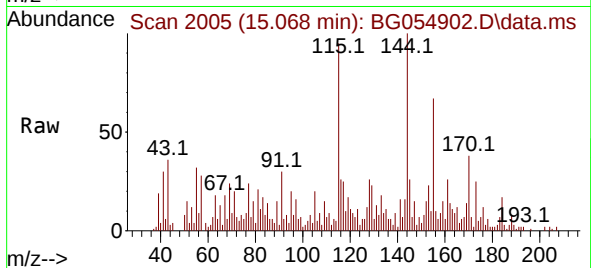




#54
2,4-Dinitrophenol
Concen: 9.946 ng
RT: 15.068 min Scan# 20
Delta R.T. 0.165 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

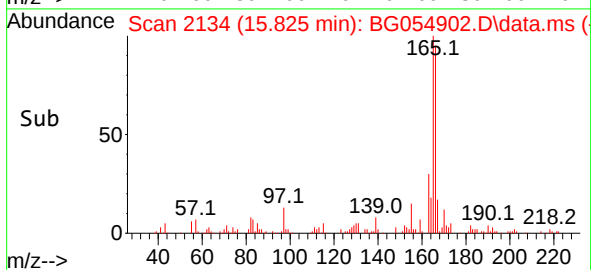
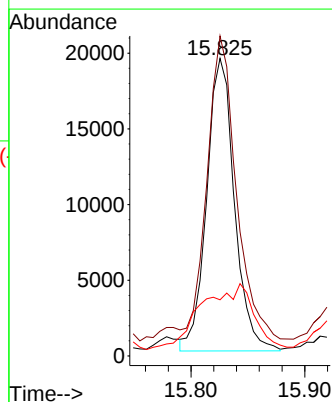
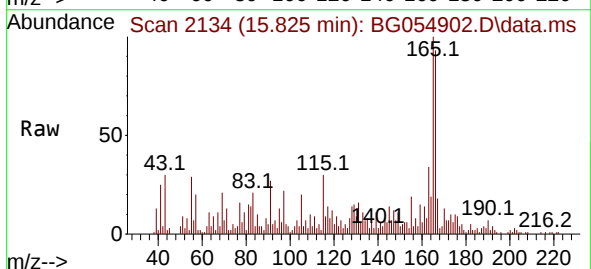
Instrument :
BNA_G
ClientSampleId :
MW14

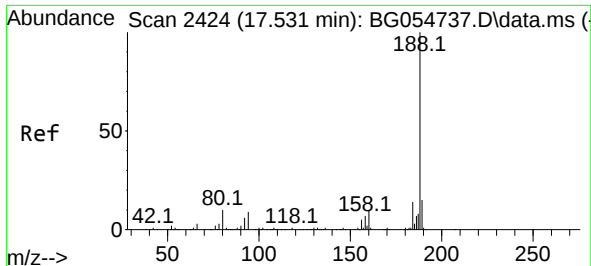
Tgt Ion:184 Resp: 4090
Ion Ratio Lower Upper
184 100
63 103.8 41.8 62.8#
154 60.2 45.2 67.8



#58
Fluorene
Concen: 3.414 ng
RT: 15.825 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:166 Resp: 32796
Ion Ratio Lower Upper
166 100
165 107.5 80.8 121.2
167 18.9 11.4 17.0#

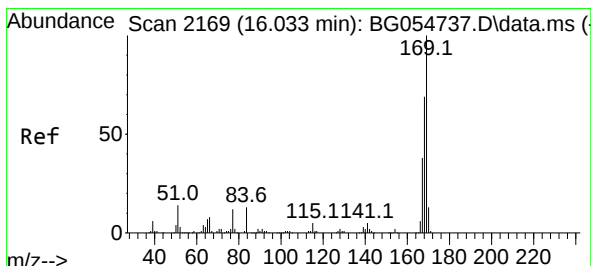
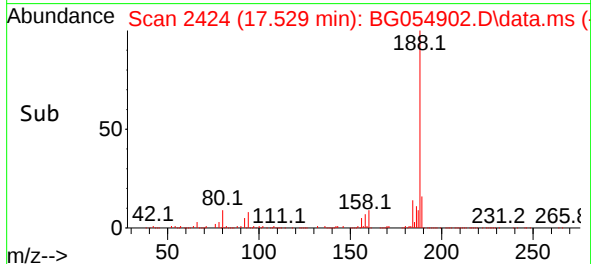
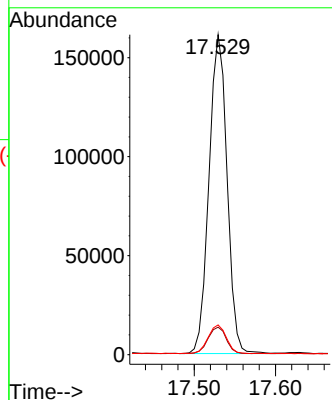
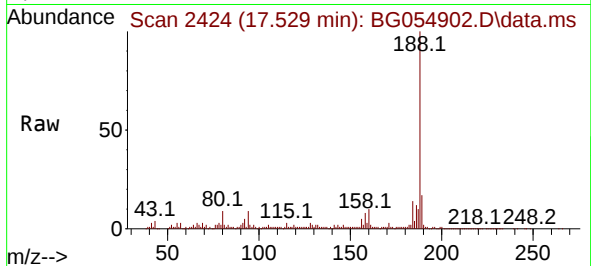




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.529 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

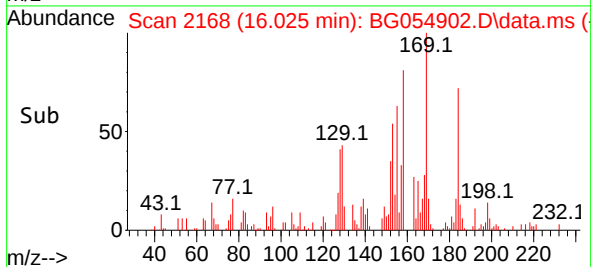
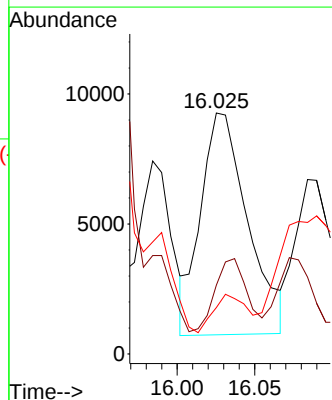
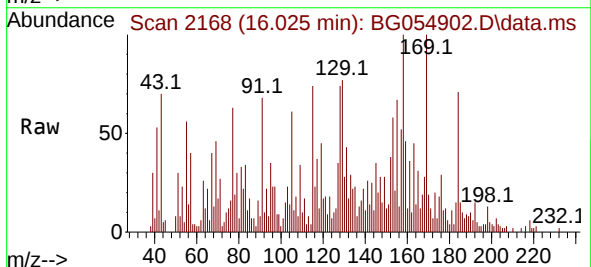
Instrument :
BNA_G
ClientSampleId :
MW14

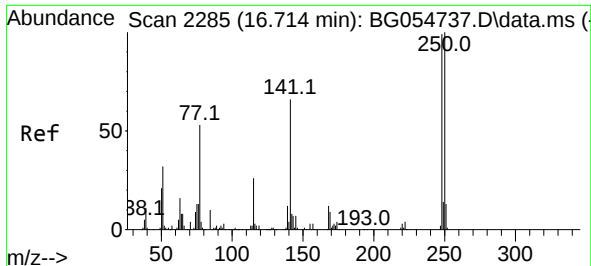
Tgt Ion:188 Resp: 248080
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.3 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 2.519 ng
RT: 16.025 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:169 Resp: 18022
Ion Ratio Lower Upper
169 100
168 28.5 55.6 83.4#
167 19.2 30.9 46.3#

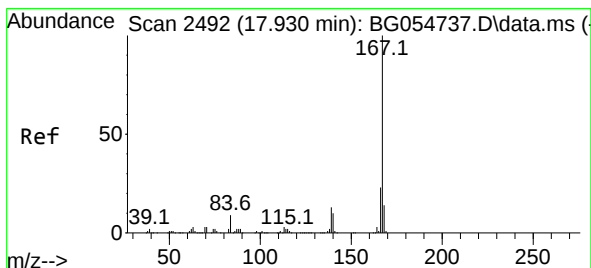
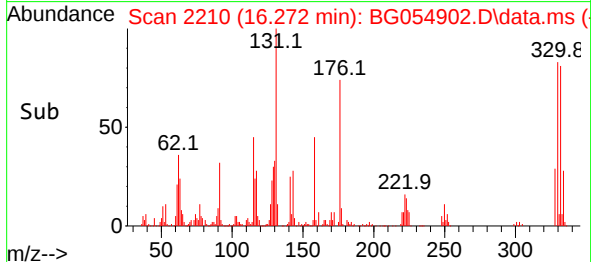
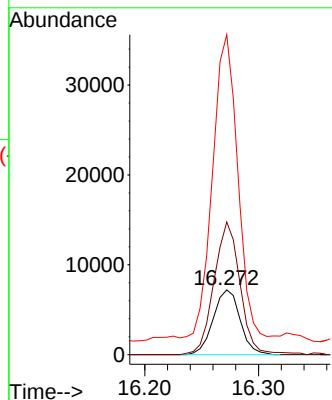
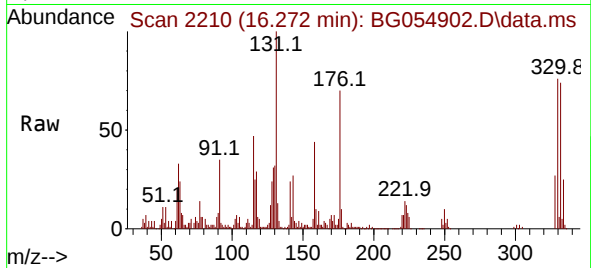




#67
4-Bromophenyl-phenylether
Concen: 4.339 ng
RT: 16.272 min Scan# 2110
Delta R.T. -0.435 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

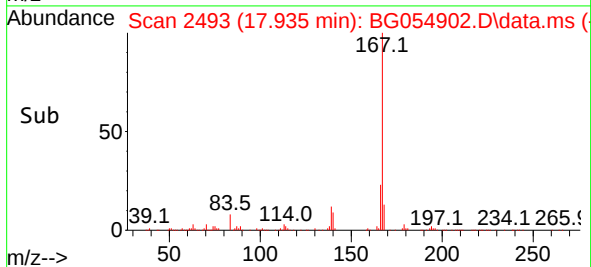
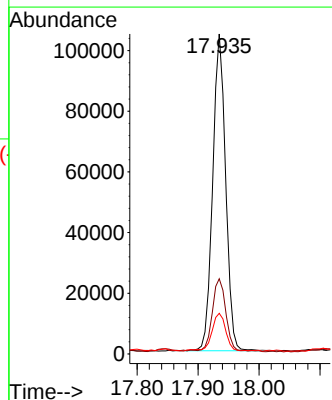
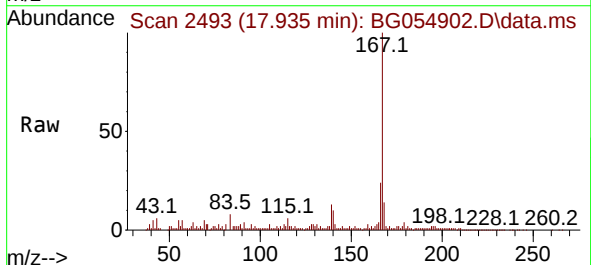
Instrument :
BNA_G
ClientSampleId :
MW14

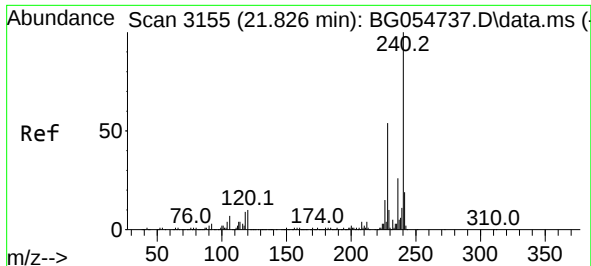
Tgt Ion:248 Resp: 11817
Ion Ratio Lower Upper
248 100
250 204.9 78.8 118.2#
141 494.1 51.9 77.9#



#73
Carbazole
Concen: 13.017 ng
RT: 17.935 min Scan# 2493
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

Tgt Ion:167 Resp: 154098
Ion Ratio Lower Upper
167 100
166 23.5 18.8 28.2
139 12.7 10.2 15.4

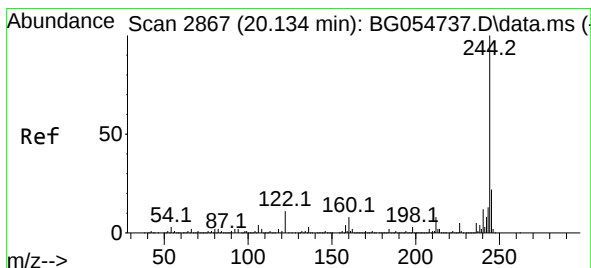
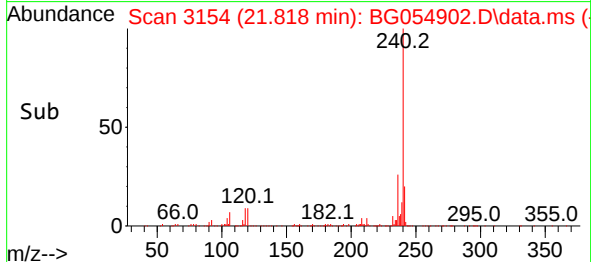
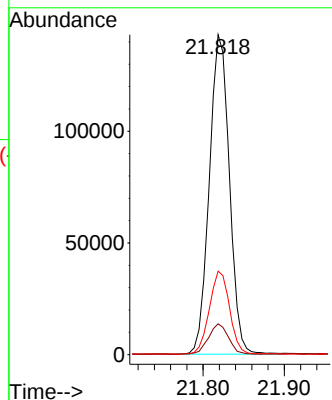
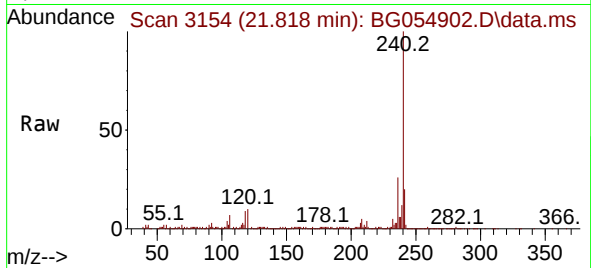




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.818 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

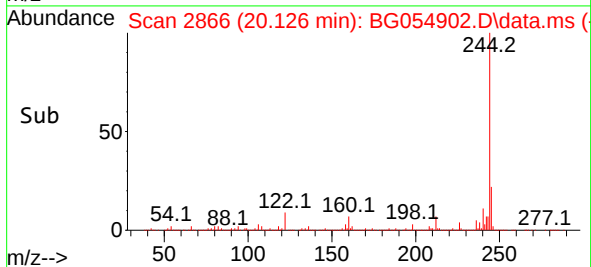
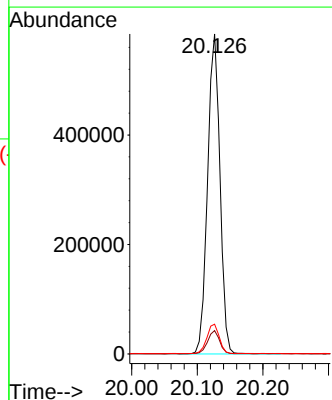
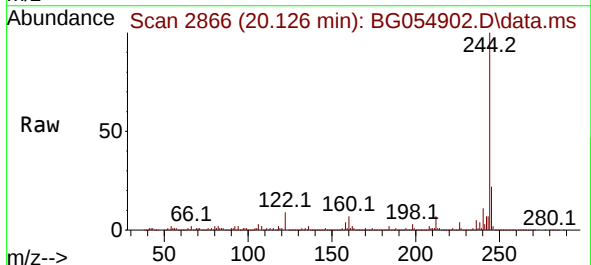
Instrument :
BNA_G
ClientSampleId :
MW14

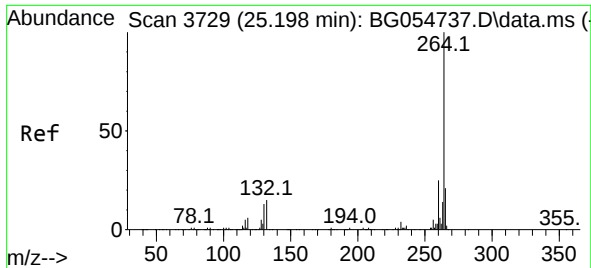
Tgt Ion:240 Resp: 245489
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.4
236 26.1 21.2 31.8



#79
Terphenyl-d14
Concen: 61.846 ng
RT: 20.126 min Scan# 2866
Delta R.T. 0.000 min
Lab File: BG054902.D
Acq: 9 Sep 2022 18:25

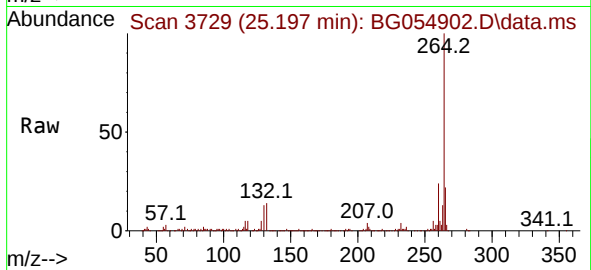
Tgt Ion:244 Resp: 766261
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 9.3 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.197 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG054902.D
 Acq: 9 Sep 2022 18:25

Instrument :
 BNA_G
 ClientSampleId :
 MW14



Tgt Ion:264 Resp: 261985
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.9 29.9
 265 22.0 16.9 25.3

