

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120621\
 Data File : BM033314.D
 Acq On : 06 Dec 2021 16:11
 Operator : CG/JU
 Sample : M4918-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-39

Quant Time: Dec 07 03:07:42 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM112421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 06 13:01:33 2021
 Response via : Initial Calibration

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

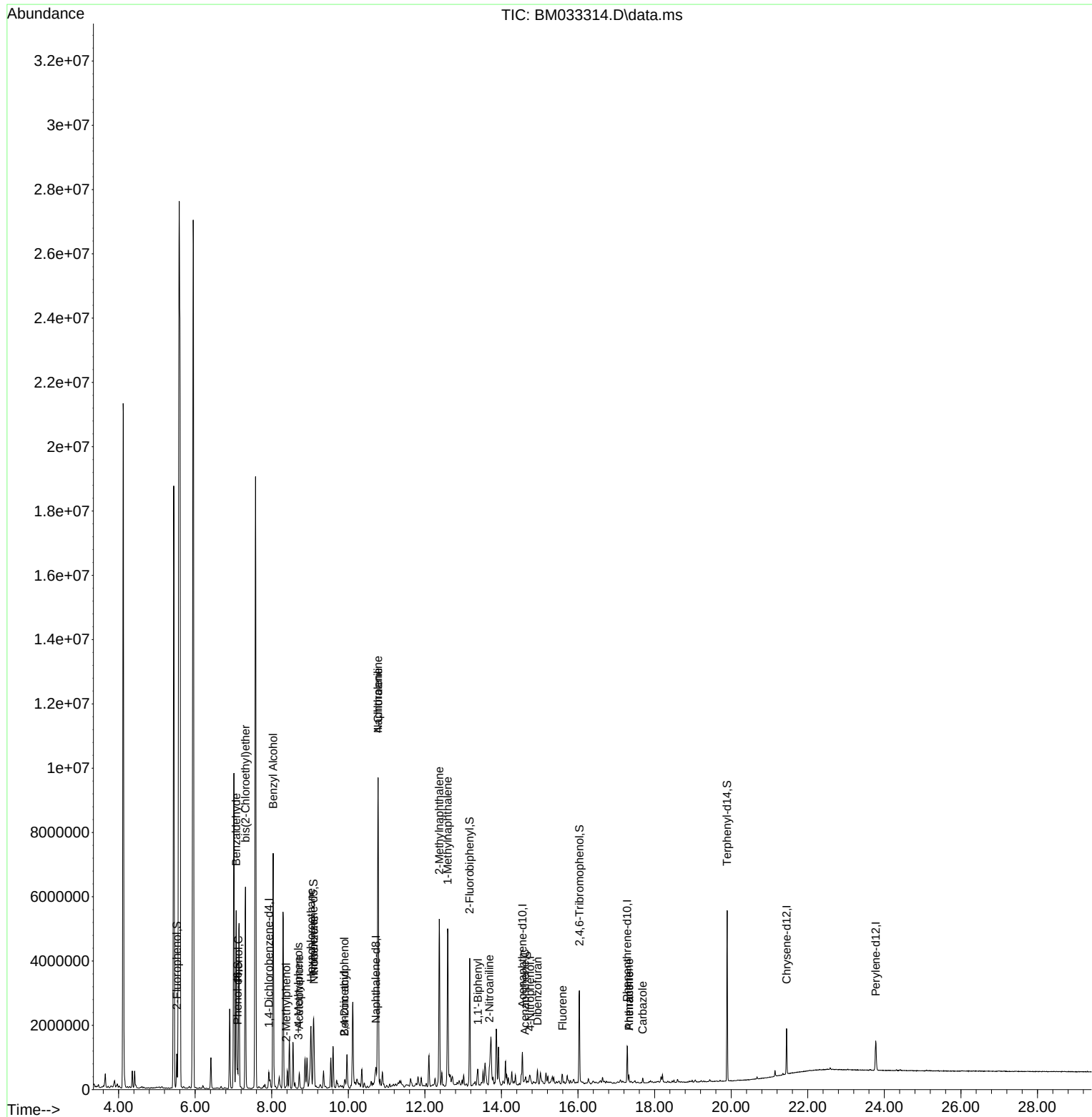
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	123757	20.000	ng	-0.01
21) Naphthalene-d8	10.725	136	500610	20.000	ng	#-0.01
39) Acenaphthene-d10	14.548	164	319157	20.000	ng	-0.01
64) Phenanthrene-d10	17.283	188	642500	20.000	ng	#-0.01
76) Chrysene-d12	21.448	240	623228	20.000	ng	# 0.00
86) Perylene-d12	23.777	264	646789	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	394537	52.646	ng	0.01
7) Phenol-d6	7.107	99	306828	30.570	ng	0.01
23) Nitrobenzene-d5	9.090	82	1000237	92.755	ng	-0.01
42) 2,4,6-Tribromophenol	16.036	330	441310	126.846	ng	0.00
45) 2-Fluorobiphenyl	13.172	172	1931099	85.332	ng	-0.01
79) Terphenyl-d14	19.895	244	2341264	74.284	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.072	77	407632	73.859	ng	# 1
10) Phenol	7.131	94	21037	2.073	ng	# 1
11) bis(2-Chloroethyl)ether	7.313	93	18749	2.414	ng	# 1
15) Benzyl Alcohol	8.037	79	387528	49.613	ng	# 15
17) 2-Methylphenol	8.378	107	19841	2.961	ng	96
18) Hexachloroethane	9.025	117	226990	66.657	ng	# 1
20) 3+4-Methylphenols	8.701	107	22448	2.473	ng	# 73
22) Acetophenone	8.719	105	312614	24.264	ng	# 53
24) Nitrobenzene	9.101	77	43839	4.220	ng	# 5
27) 2,4-Dimethylphenol	9.901	122	32923	4.975	ng	97
31) Naphthalene	10.778	128	7420191	280.991	ng	99
32) Benzoic acid	9.901	122	32923	12.052	ng	# 27
33) 4-Chloroaniline	10.778	127	987103	97.194	ng	# 31
37) 2-Methylnaphthalene	12.378	142	2351204	130.781	ng	96
38) 1-Methylnaphthalene	12.595	142	1728985	98.575	ng	97
46) 1,1'-Biphenyl	13.383	154	217865	9.079	ng	98
48) 2-Nitroaniline	13.683	65	20463	3.453	ng	# 33
52) Acenaphthene	14.613	154	46463	2.640	ng	99
55) Dibenzofuran	14.942	168	80270	2.743	ng	# 83
56) 4-Nitrophenol	14.748	139	8654	2.231	ng	# 62
58) Fluorene	15.595	166	97270	4.245	ng	97
71) Phenanthrene	17.330	178	135181	3.828	ng	98
72) Anthracene	17.330	178	135181	3.968	ng	99
73) Carbazole	17.689	167	81252	2.397	ng	100

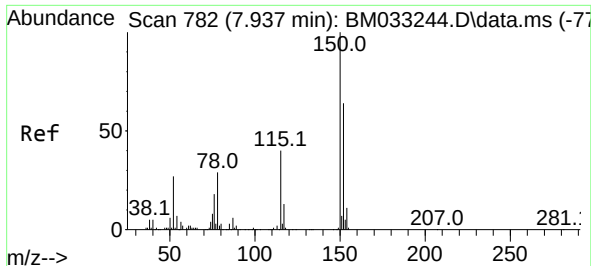
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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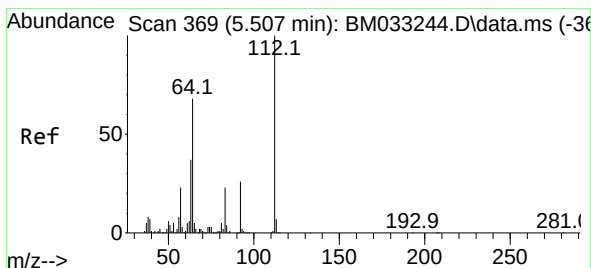
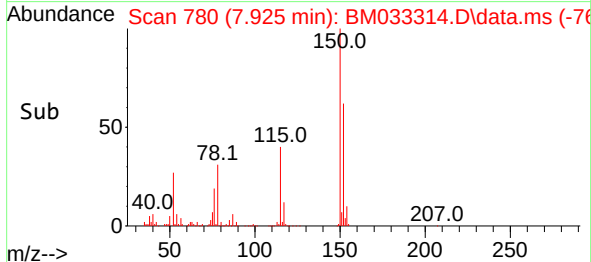
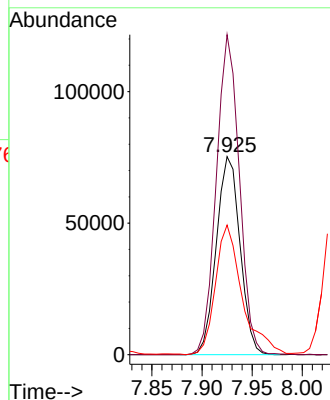
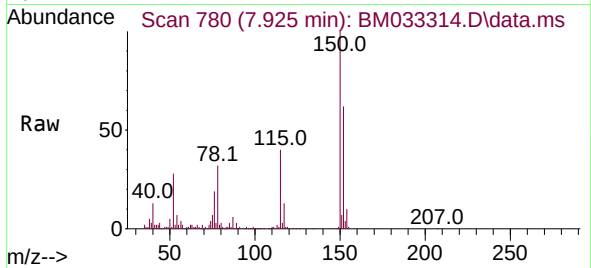




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

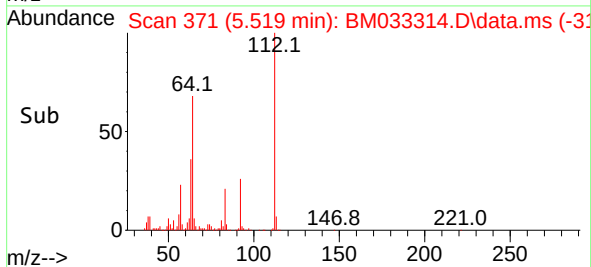
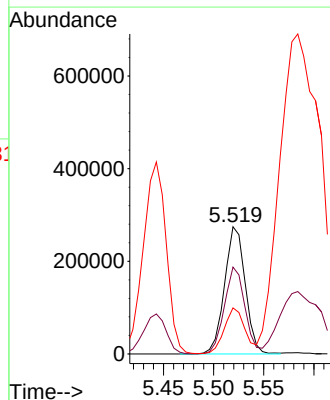
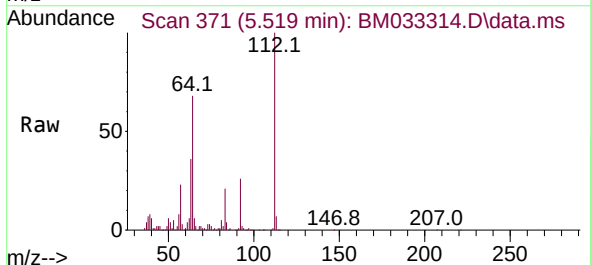
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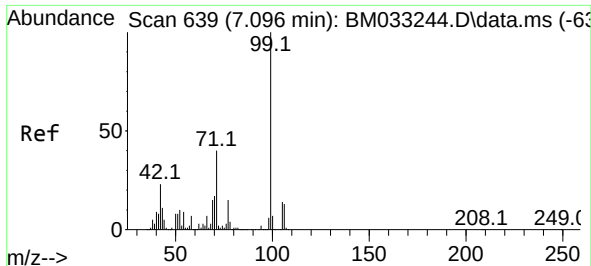
Tgt Ion:152 Resp: 123757
Ion Ratio Lower Upper
152 100
150 161.5 122.4 183.6
115 65.4 53.8 80.8



#5
2-Fluorophenol
Concen: 52.646 ng
RT: 5.519 min Scan# 371
Delta R.T. 0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:112 Resp: 394537
Ion Ratio Lower Upper
112 100
64 68.3 53.7 80.5
63 36.3 33.9 50.9

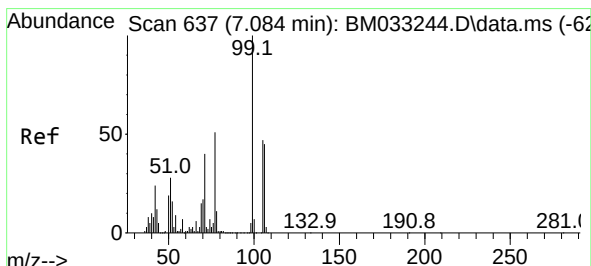
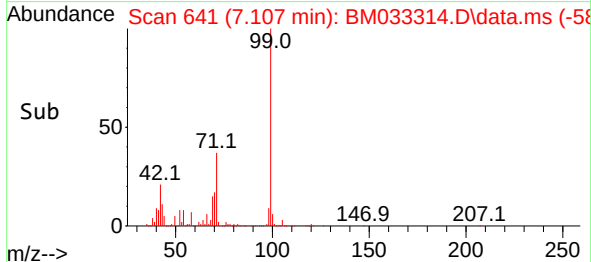
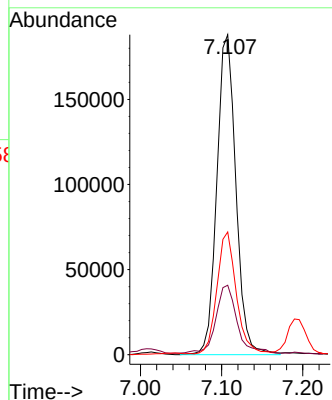
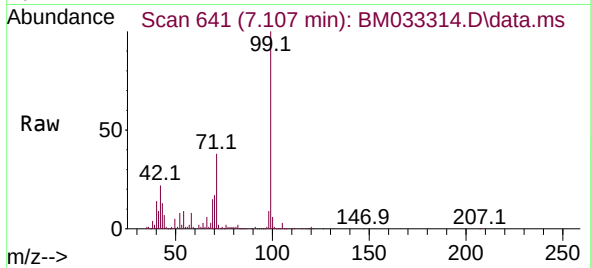




#7
Phenol-d6
Concen: 30.570 ng
RT: 7.107 min Scan# 641
Delta R.T. 0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

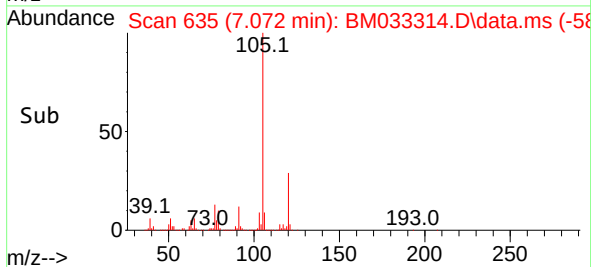
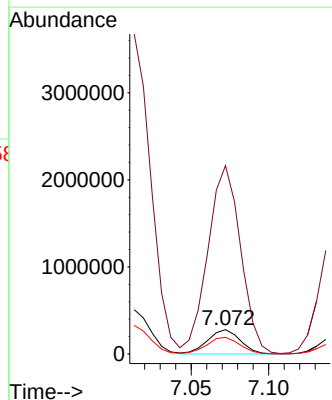
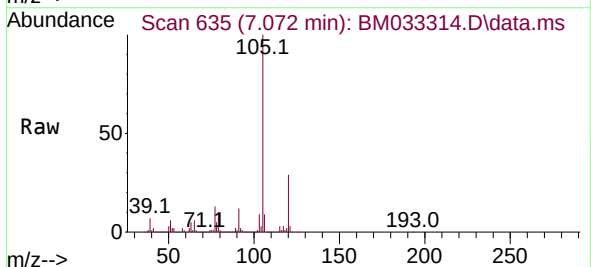
Instrument :
BNA_M
ClientSampleId :
MW-39

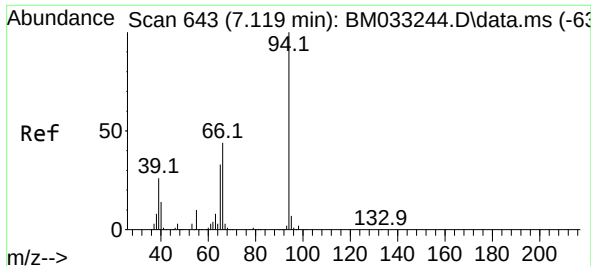
Tgt Ion: 99 Resp: 306828
Ion Ratio Lower Upper
99 100
42 21.7 23.0 34.6#
71 38.3 37.8 56.8



#9
Benzaldehyde
Concen: 73.859 ng
RT: 7.072 min Scan# 635
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion: 77 Resp: 407632
Ion Ratio Lower Upper
77 100
105 773.1 68.9 108.9#
106 68.6 61.2 101.2

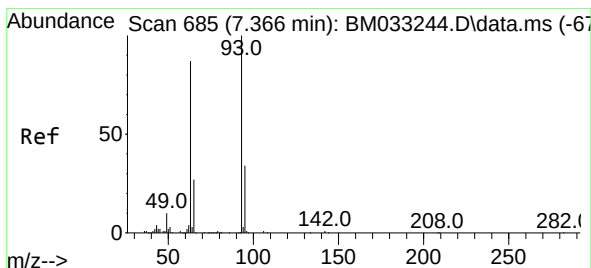
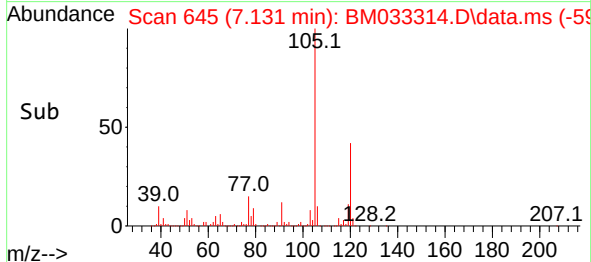
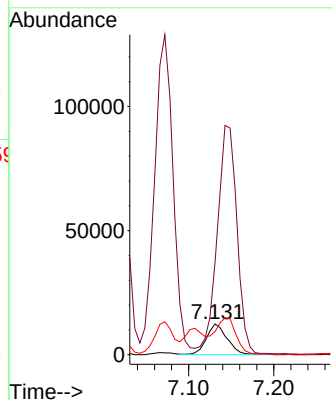
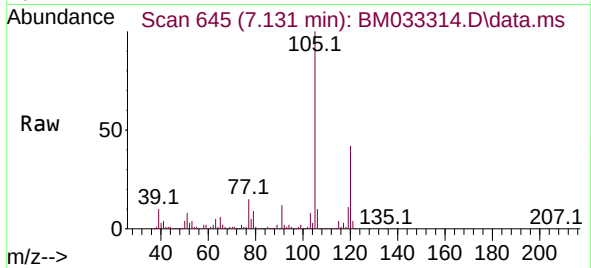




#10
Phenol
Concen: 2.073 ng
RT: 7.131 min Scan# 64
Delta R.T. 0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

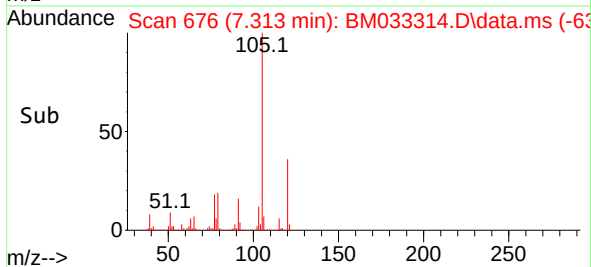
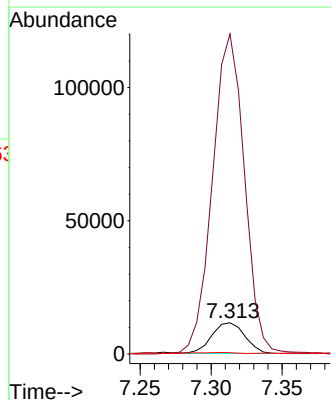
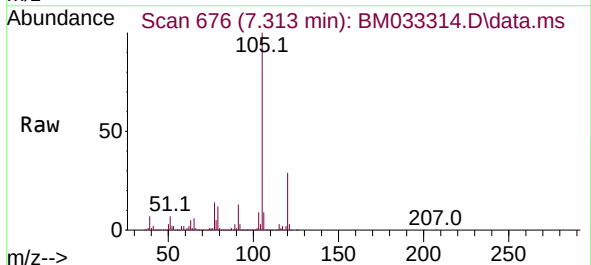
Instrument :
BNA_M
ClientSampleId :
MW-39

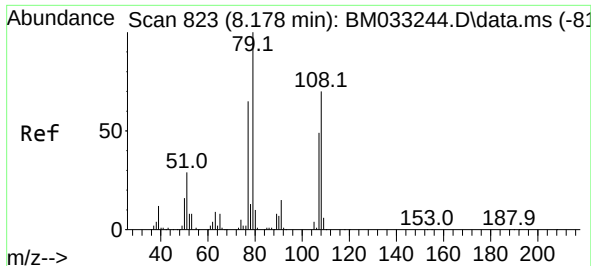
Tgt Ion: 94 Resp: 21037
Ion Ratio Lower Upper
94 100
65 301.8 16.9 56.9#
66 75.4 30.0 70.0#



#11
bis(2-Chloroethyl)ether
Concen: 2.414 ng
RT: 7.313 min Scan# 676
Delta R.T. -0.053 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion: 93 Resp: 18749
Ion Ratio Lower Upper
93 100
63 1024.2 63.7 103.7#
95 3.9 12.4 52.4#

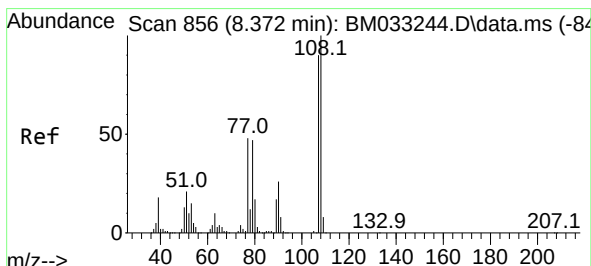
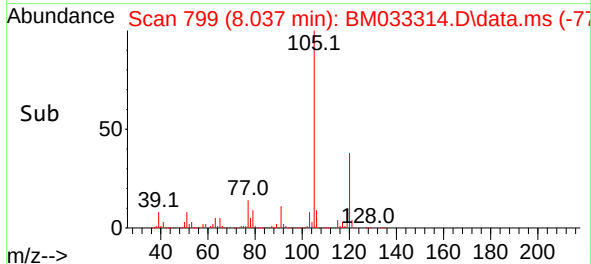
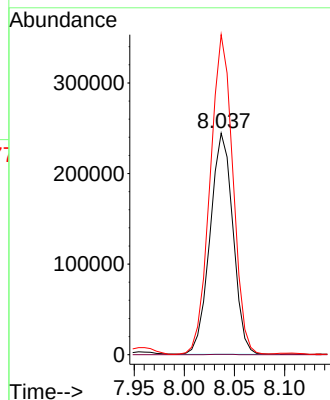
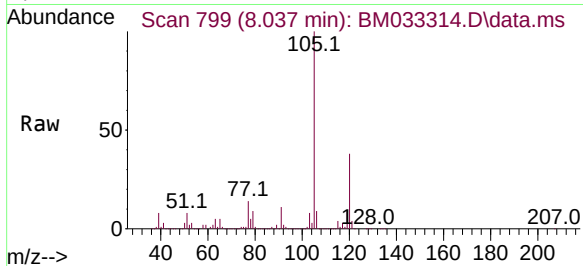




#15
Benzyl Alcohol
Concen: 49.613 ng
RT: 8.037 min Scan# 79
Delta R.T. -0.141 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

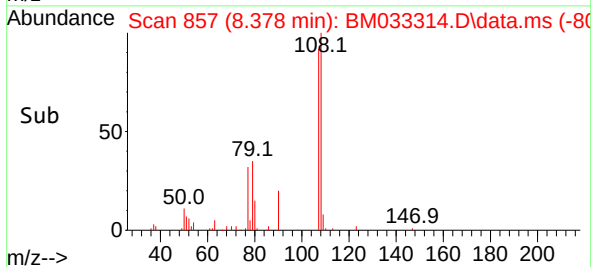
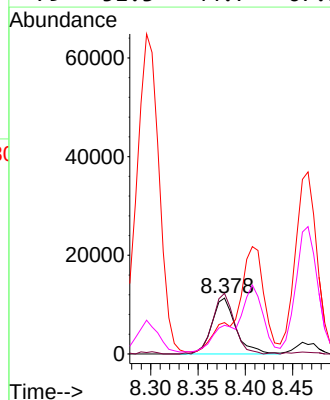
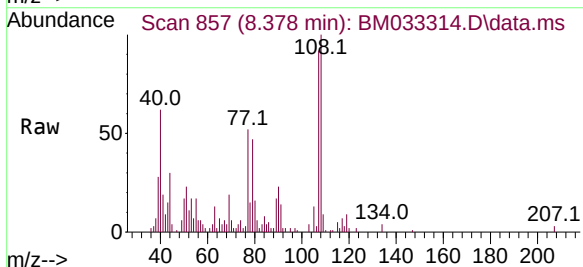
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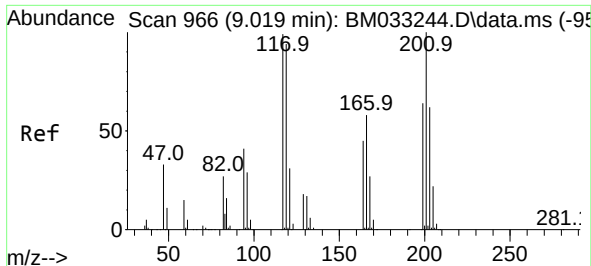
Tgt Ion: 79 Resp: 387528
Ion Ratio Lower Upper
79 100
108 0.2 53.6 80.4#
77 144.5 57.7 86.5#



#17
2-Methylphenol
Concen: 2.961 ng
RT: 8.378 min Scan# 857
Delta R.T. 0.006 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion: 107 Resp: 19841
Ion Ratio Lower Upper
107 100
108 108.8 87.9 131.9
77 56.1 48.2 72.2
79 51.3 44.7 67.1

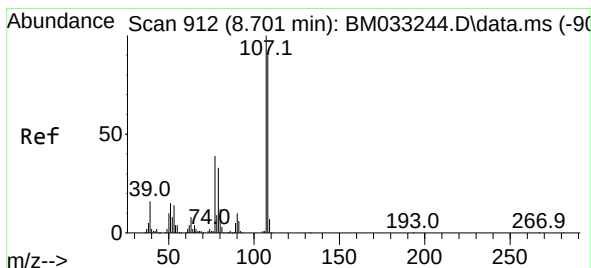
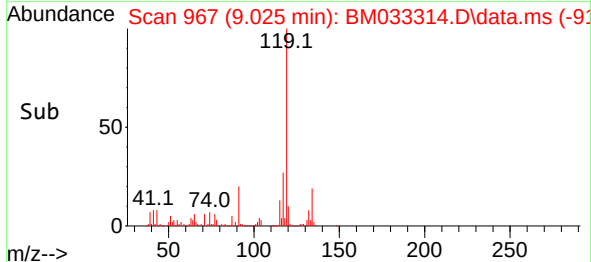
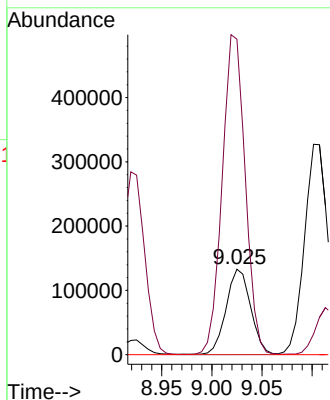
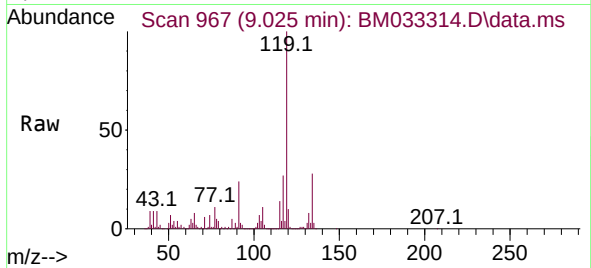




#18
Hexachloroethane
Concen: 66.657 ng
RT: 9.025 min Scan# 90
Delta R.T. 0.006 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

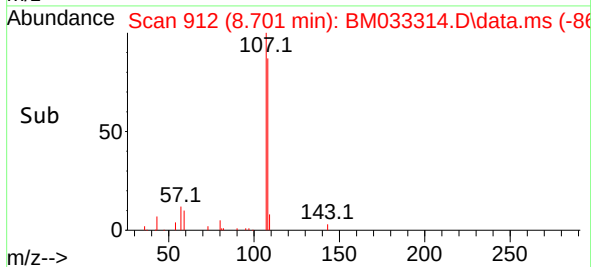
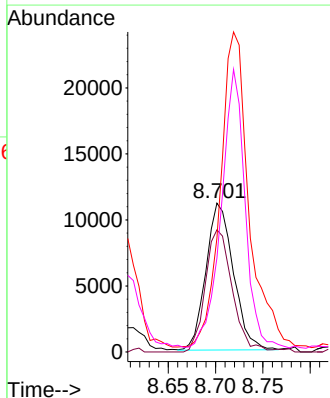
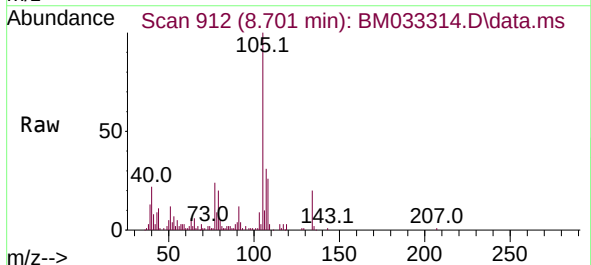
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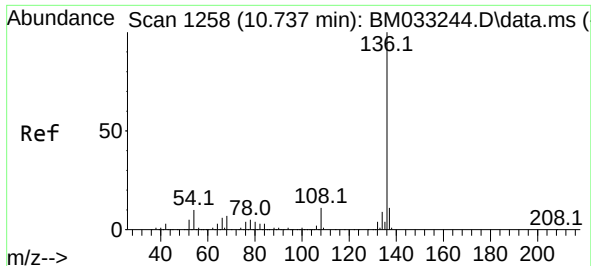
Tgt Ion:117 Resp: 226990
Ion Ratio Lower Upper
117 100
119 369.2 77.7 116.5#
201 0.0 70.2 105.2#



#20
3+4-Methylphenols
Concen: 2.473 ng
RT: 8.701 min Scan# 912
Delta R.T. 0.000 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:107 Resp: 22448
Ion Ratio Lower Upper
107 100
108 82.1 67.6 107.6
77 76.4 21.9 61.9#
79 63.2 15.3 55.3#

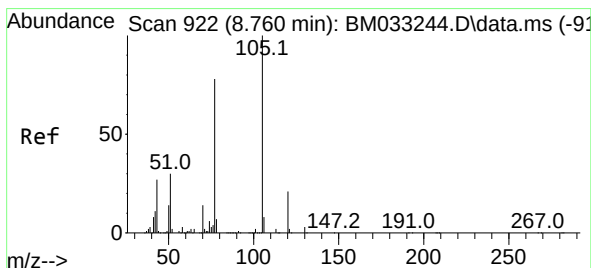
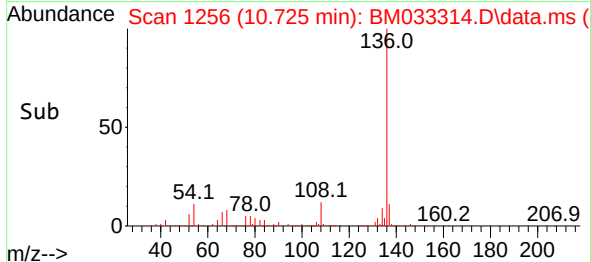
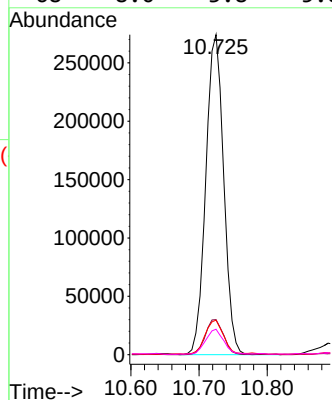
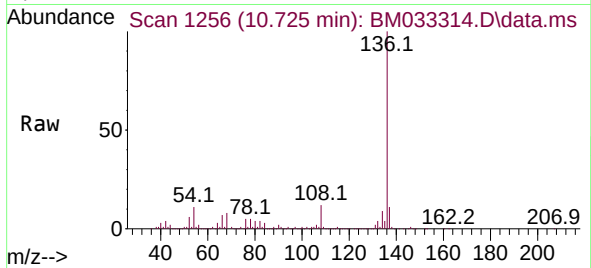




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

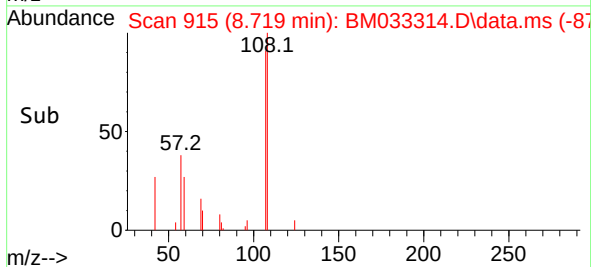
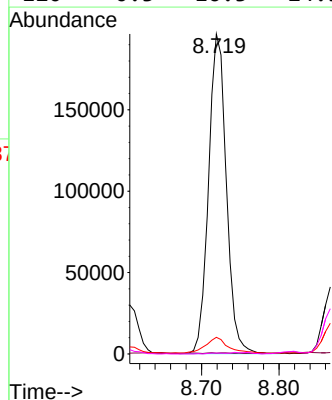
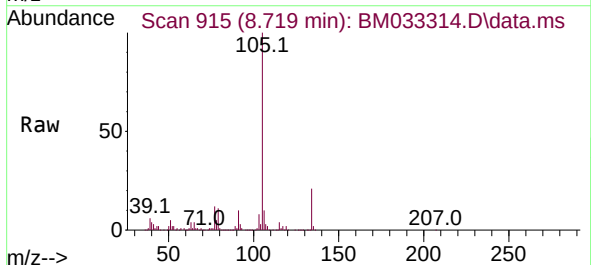
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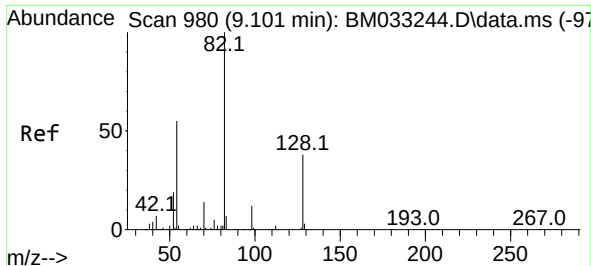
Tgt Ion:136 Resp: 500610
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 10.8 7.4 11.0
68 8.0 3.8 5.8#



#22
Acetophenone
Concen: 24.264 ng
RT: 8.719 min Scan# 915
Delta R.T. -0.041 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:105 Resp: 312614
Ion Ratio Lower Upper
105 100
71 0.2 3.8 5.6#
51 5.2 29.5 44.3#
120 0.3 16.3 24.5#





#23

Nitrobenzene-d5

Concen: 92.755 ng

RT: 9.090 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

Instrument :

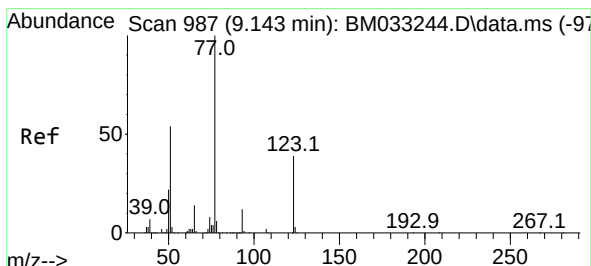
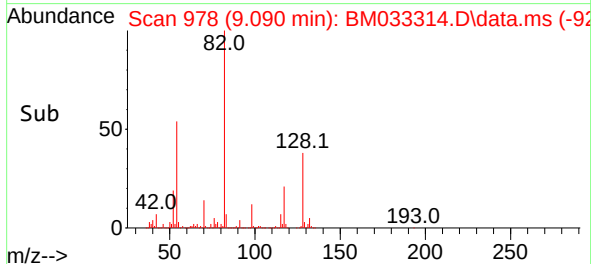
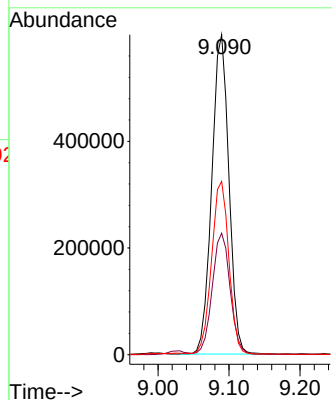
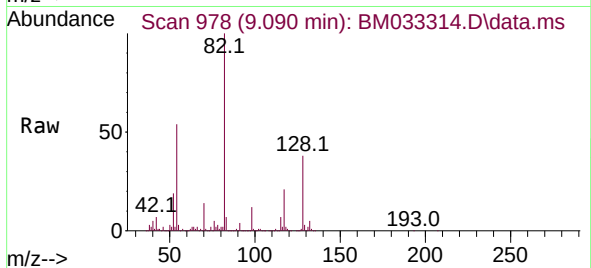
BNA_M

ClientSampleId :

MW-39

Tgt Ion: 82 Resp: 1000237

Ion	Ratio	Lower	Upper
82	100		
128	38.0	29.0	43.6
54	54.2	45.8	68.8



#24

Nitrobenzene

Concen: 4.220 ng

RT: 9.101 min Scan# 980

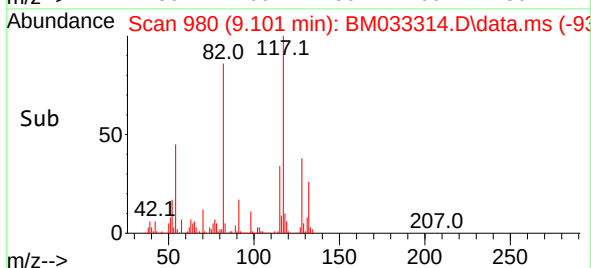
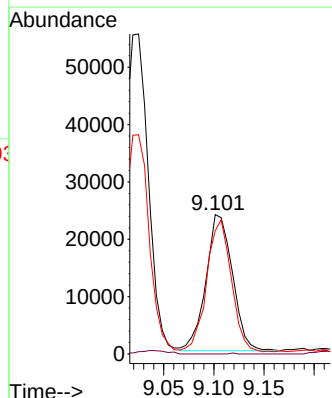
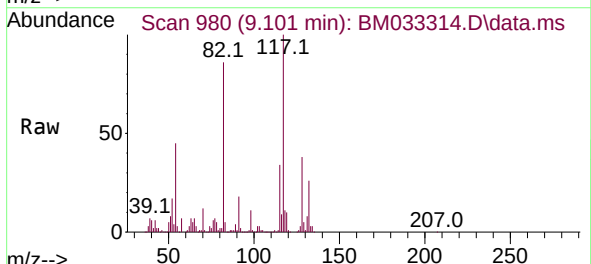
Delta R.T. -0.041 min

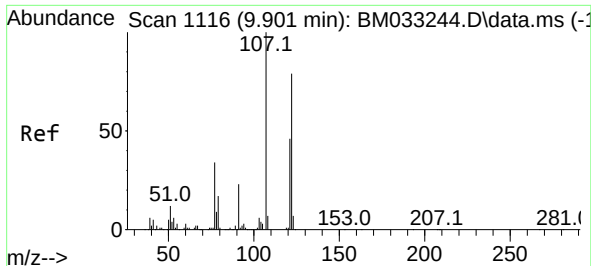
Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

Tgt Ion: 77 Resp: 43839

Ion	Ratio	Lower	Upper
77	100		
123	0.0	30.1	45.1#
65	88.4	11.7	17.5#





#27

2,4-Dimethylphenol

Concen: 4.975 ng

RT: 9.901 min Scan# 1116

Delta R.T. 0.000 min

Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

Instrument :

BNA_M

ClientSampleId :

MW-39

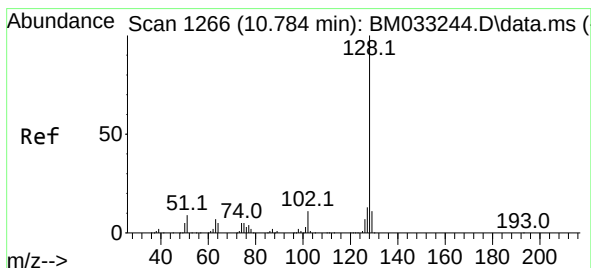
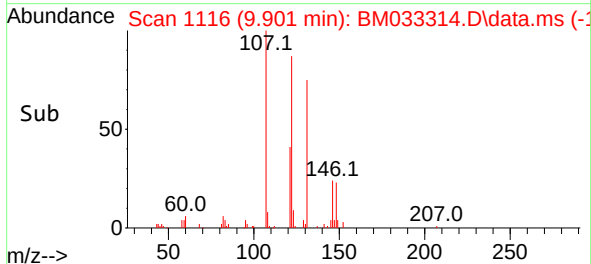
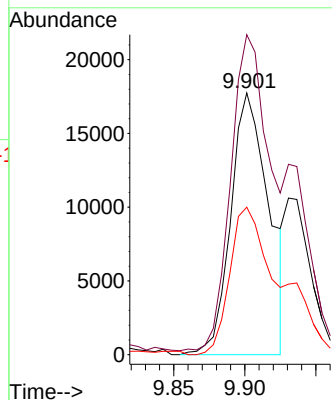
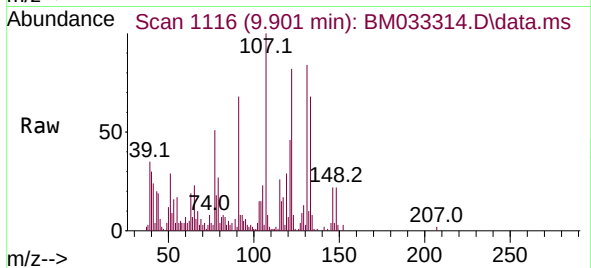
Tgt Ion:122 Resp: 32923

Ion Ratio Lower Upper

122 100

107 122.3 100.6 150.8

121 56.4 47.3 70.9



#31

Naphthalene

Concen: 280.991 ng

RT: 10.778 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

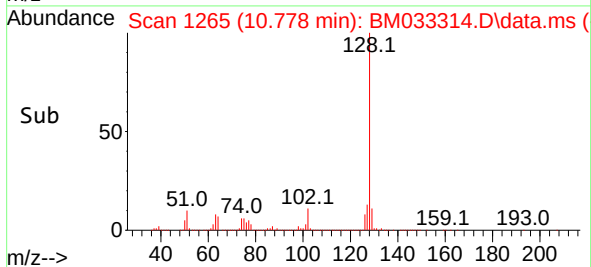
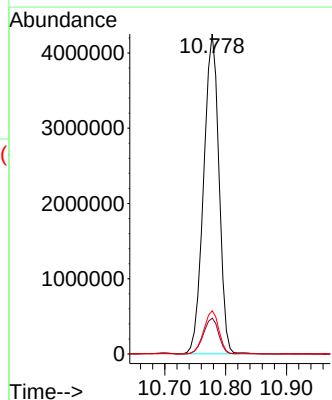
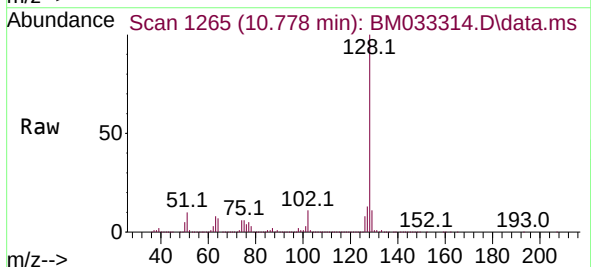
Tgt Ion:128 Resp: 7420191

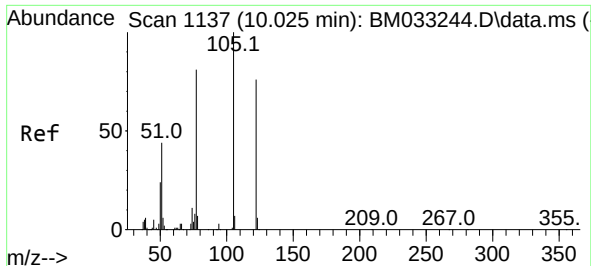
Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 13.5 10.4 15.6

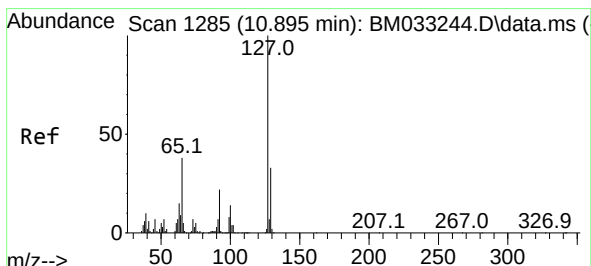
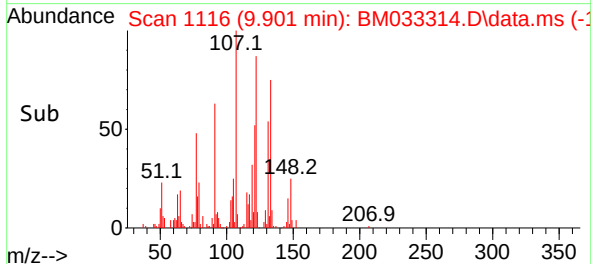
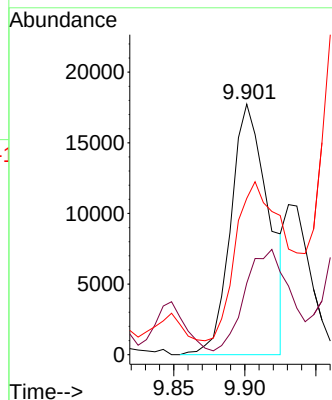
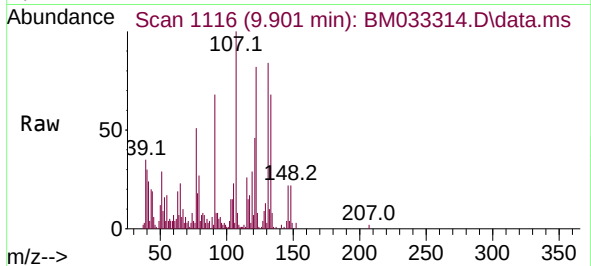




#32
Benzoic acid
Concen: 12.052 ng
RT: 9.901 min Scan# 1116
Delta R.T. -0.124 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

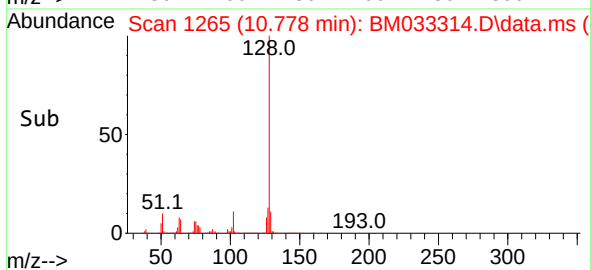
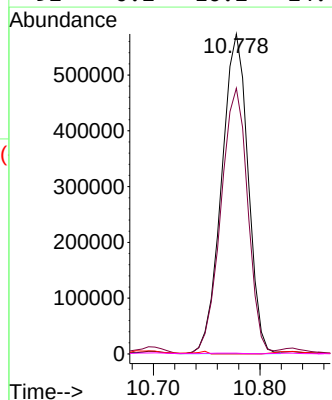
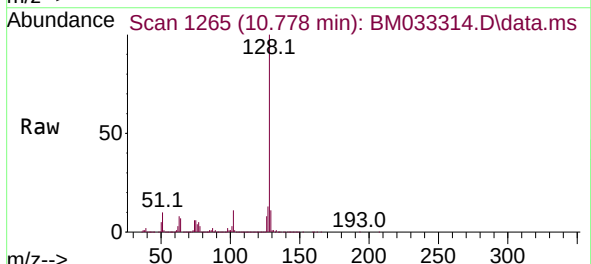
Instrument :
BNA_M
ClientSampleId :
MW-39

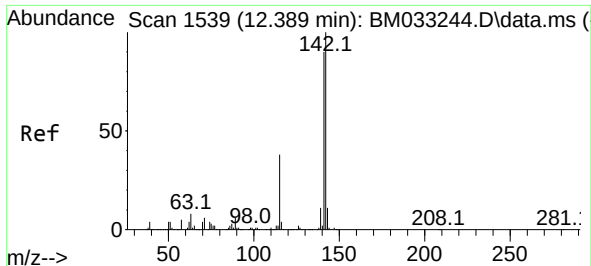
Tgt Ion:122 Resp: 32923
Ion Ratio Lower Upper
122 100
105 28.5 120.3 160.3#
77 62.4 100.0 140.0#



#33
4-Chloroaniline
Concen: 97.194 ng
RT: 10.778 min Scan# 1265
Delta R.T. -0.118 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:127 Resp: 987103
Ion Ratio Lower Upper
127 100
129 83.1 25.6 38.4#
65 0.0 30.4 45.6#
92 0.2 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 130.781 ng

RT: 12.378 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

Instrument :

BNA_M

ClientSampleId :

MW-39

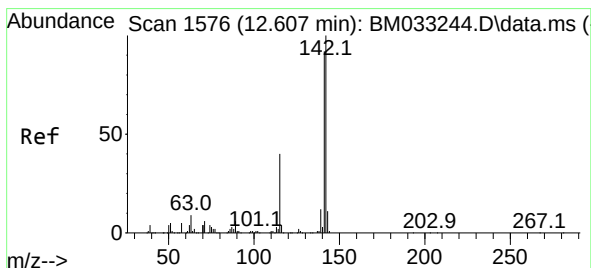
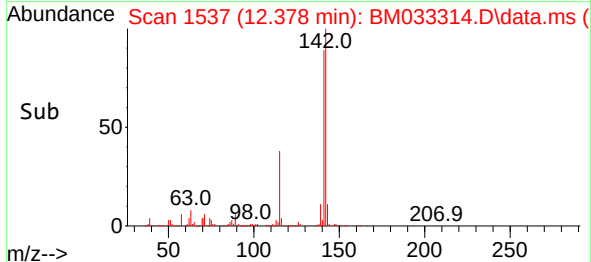
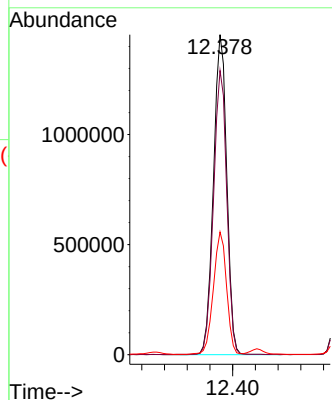
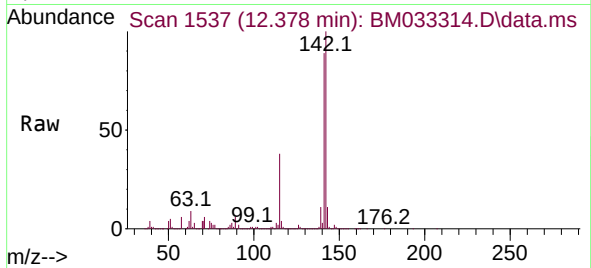
Tgt Ion:142 Resp: 2351204

Ion Ratio Lower Upper

142 100

141 88.8 71.8 107.6

115 38.4 36.3 54.5



#38

1-Methylnaphthalene

Concen: 98.575 ng

RT: 12.595 min Scan# 1574

Delta R.T. -0.012 min

Lab File: BM033314.D

Acq: 06 Dec 2021 16:11

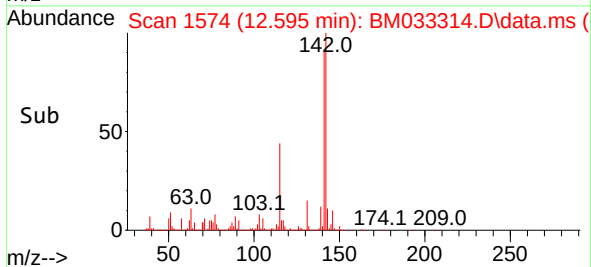
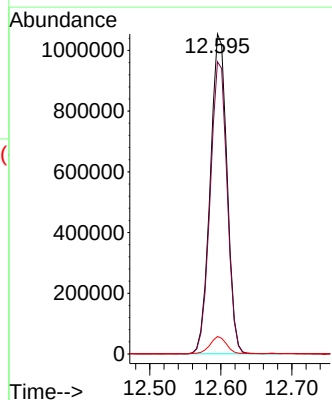
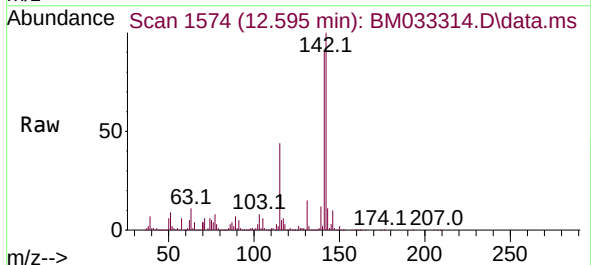
Tgt Ion:142 Resp: 1728985

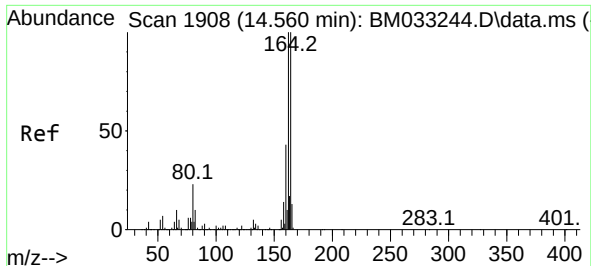
Ion Ratio Lower Upper

142 100

141 91.3 75.6 113.4

116 5.5 4.0 6.0

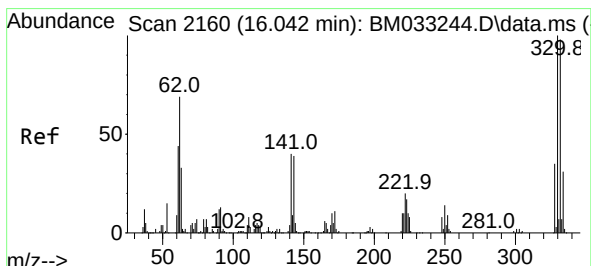
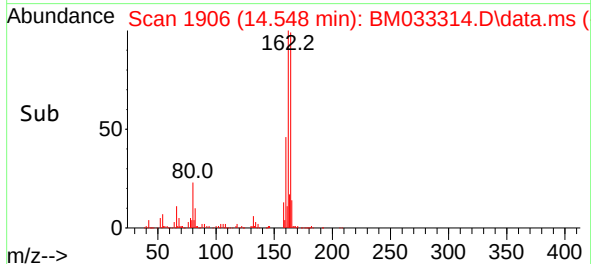
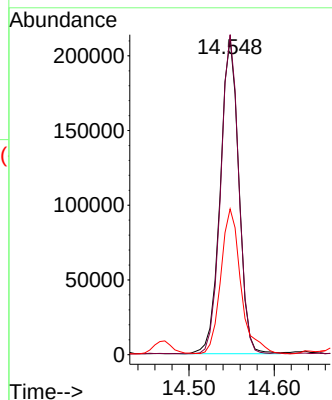
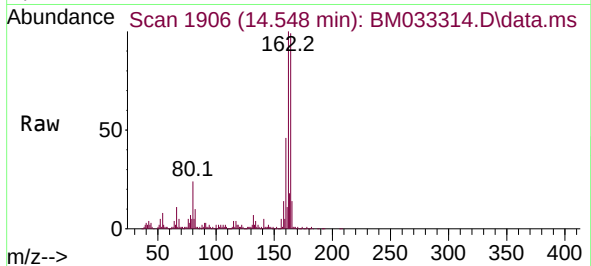




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.548 min Scan# 1906
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

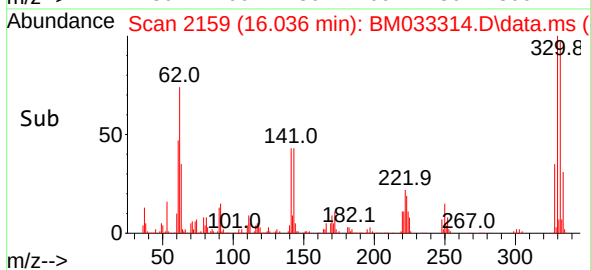
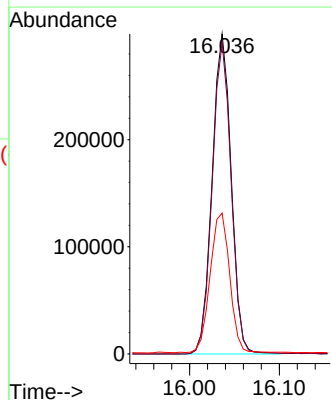
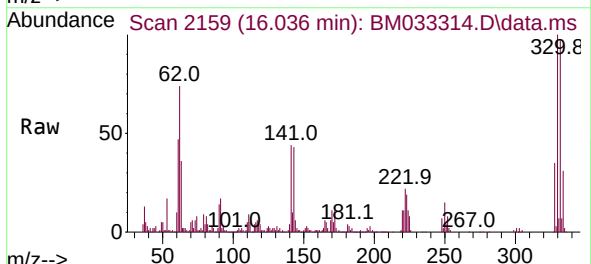
Instrument :
BNA_M
ClientSampleId :
MW-39

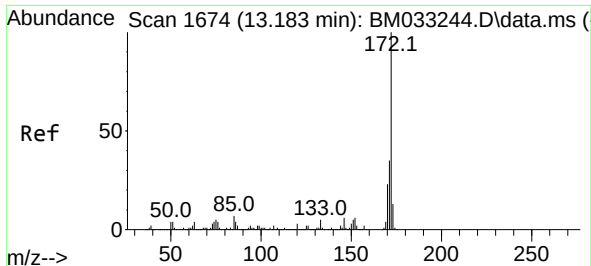
Tgt Ion:164 Resp: 319157
Ion Ratio Lower Upper
164 100
162 101.2 80.6 121.0
160 46.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 126.846 ng
RT: 16.036 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:330 Resp: 441310
Ion Ratio Lower Upper
330 100
332 96.5 75.7 113.5
141 44.8 50.7 76.1#

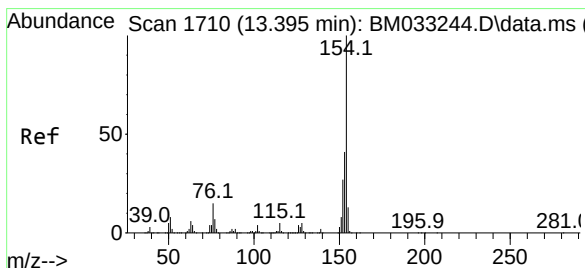
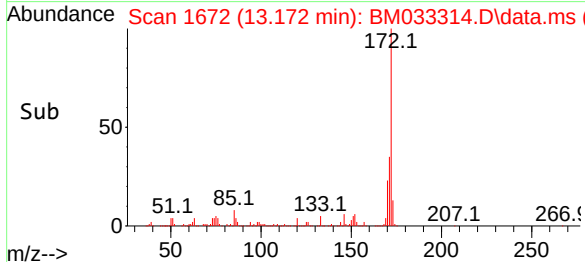
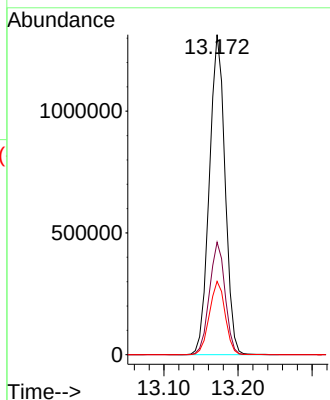
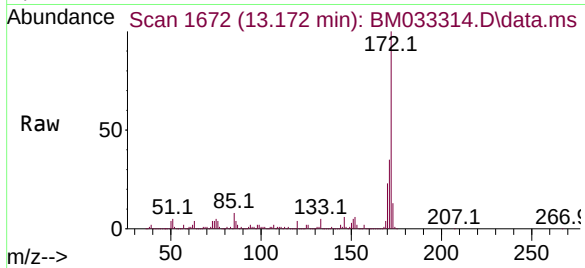




#45
2-Fluorobiphenyl
Concen: 85.332 ng
RT: 13.172 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

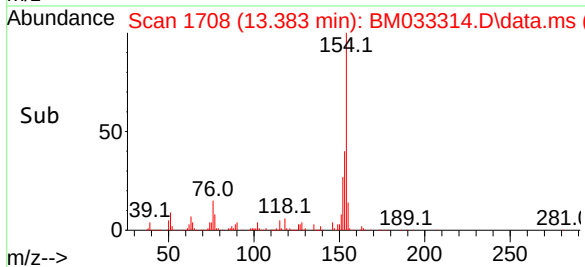
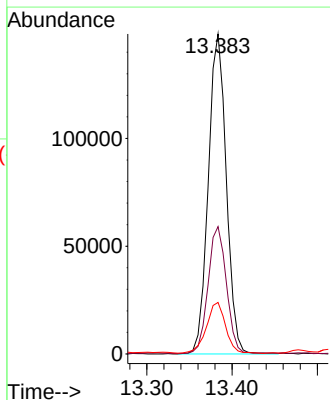
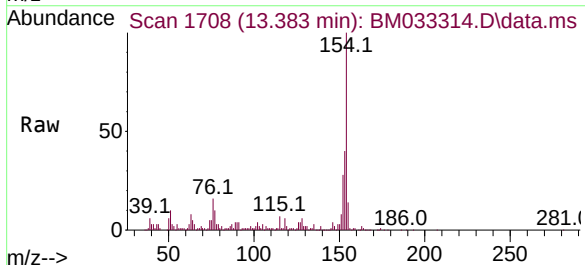
Instrument :
BNA_M
ClientSampleId :
MW-39

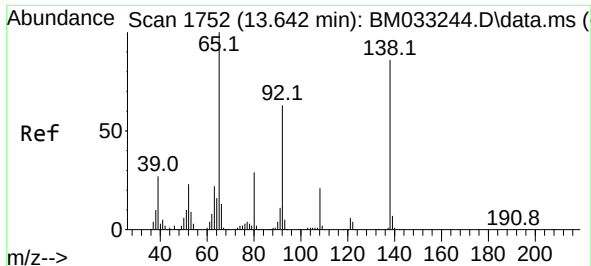
Tgt Ion:172 Resp: 1931099
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.9 18.6 27.8



#46
1,1'-Biphenyl
Concen: 9.079 ng
RT: 13.383 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:154 Resp: 217865
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 16.1 0.0 33.5

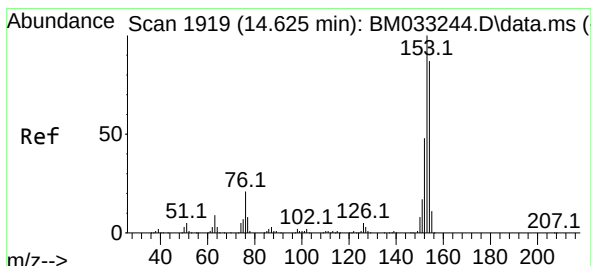
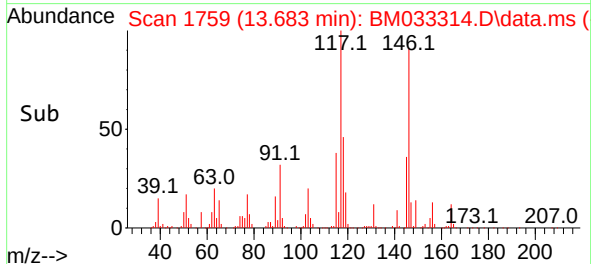
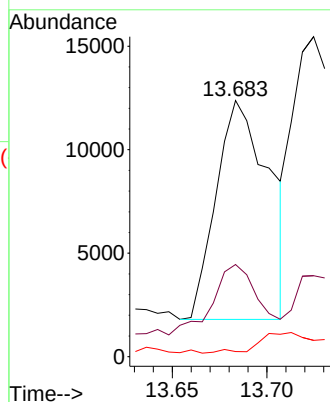
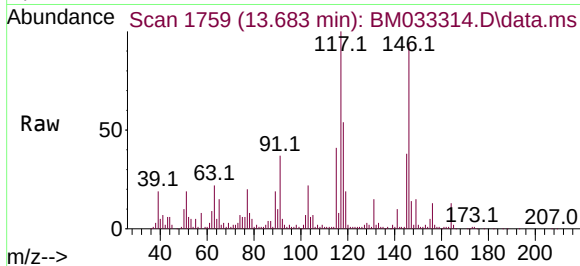




#48
2-Nitroaniline
Concen: 3.453 ng
RT: 13.683 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

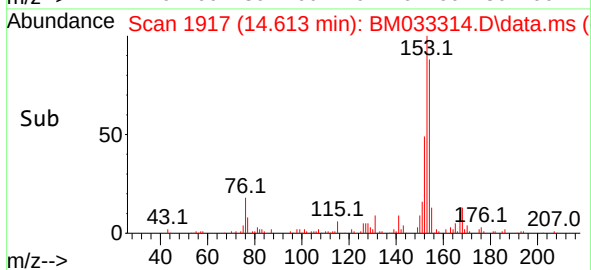
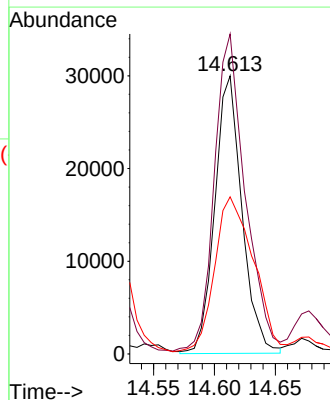
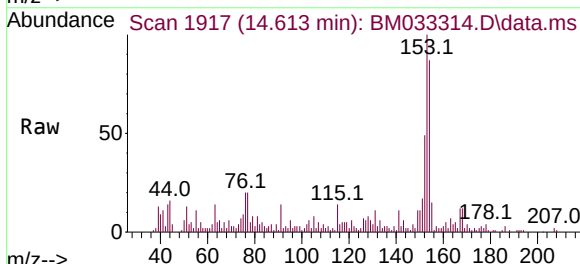
Instrument :
BNA_M
ClientSampleId :
MW-39

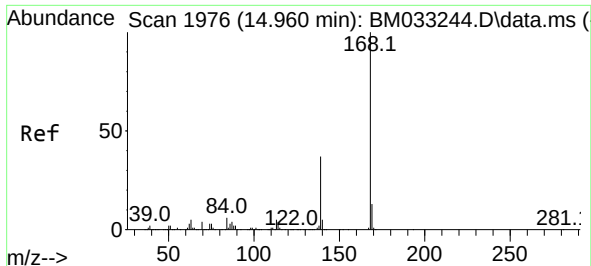
Tgt Ion: 65 Resp: 20463
Ion Ratio Lower Upper
65 100
92 36.0 51.2 76.8#
138 2.0 66.8 100.2#



#52
Acenaphthene
Concen: 2.640 ng
RT: 14.613 min Scan# 1917
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:154 Resp: 46463
Ion Ratio Lower Upper
154 100
153 115.0 92.4 138.6
152 56.5 43.7 65.5

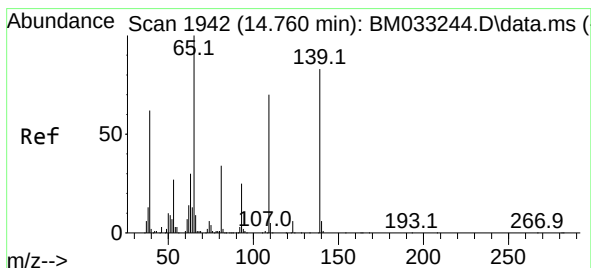
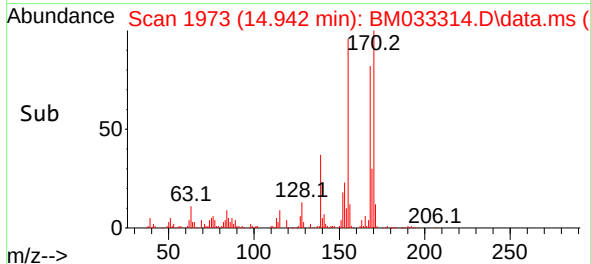
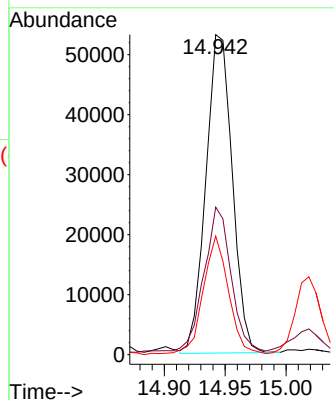
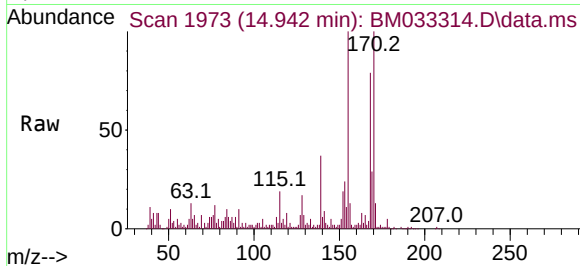




#55
Dibenzenofuran
Concen: 2.743 ng
RT: 14.942 min Scan# 1973
Delta R.T. -0.018 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

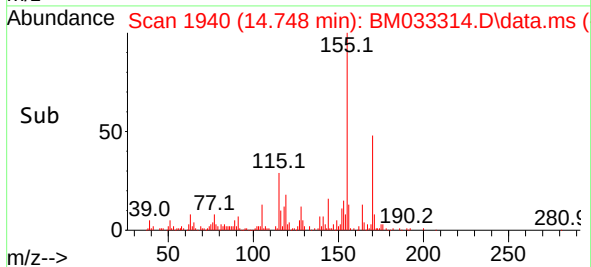
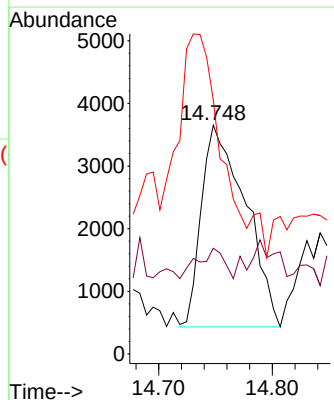
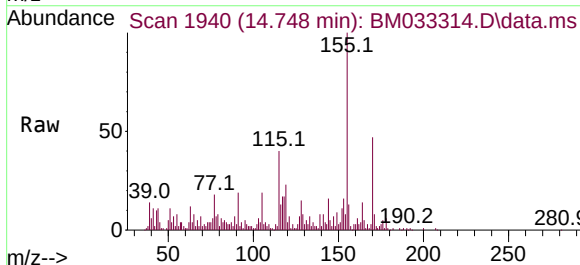
Instrument :
BNA_M
ClientSampleId :
MW-39

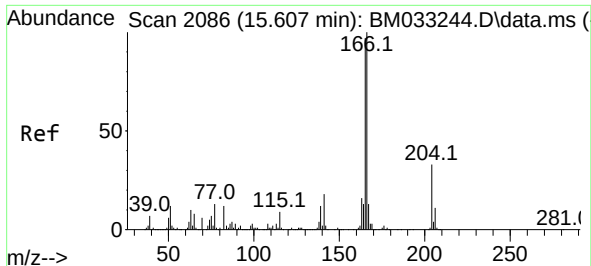
Tgt Ion:168 Resp: 80270
Ion Ratio Lower Upper
168 100
139 46.1 35.0 52.4
169 37.1 10.8 16.2#



#56
4-Nitrophenol
Concen: 2.231 ng
RT: 14.748 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:139 Resp: 8654
Ion Ratio Lower Upper
139 100
109 46.2 92.3 132.3#
65 110.9 110.5 150.5

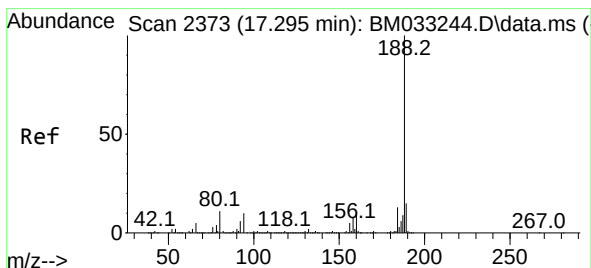
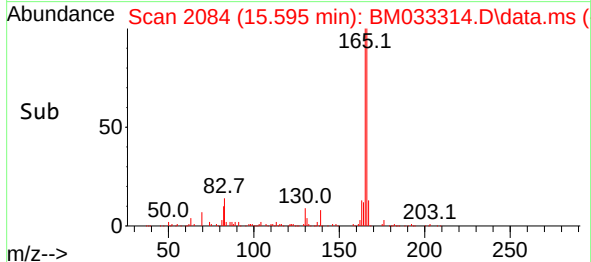
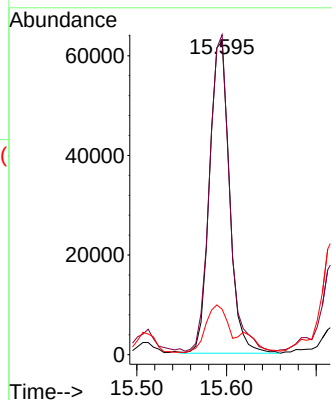
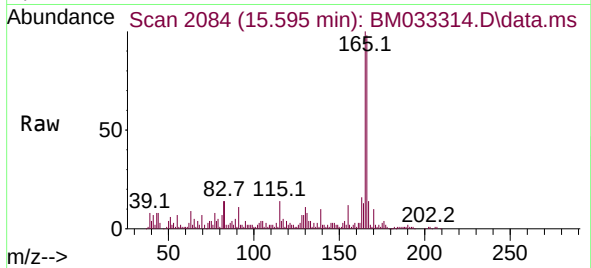




#58
 Fluorene
 Concen: 4.245 ng
 RT: 15.595 min Scan# 2084
 Delta R.T. -0.012 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

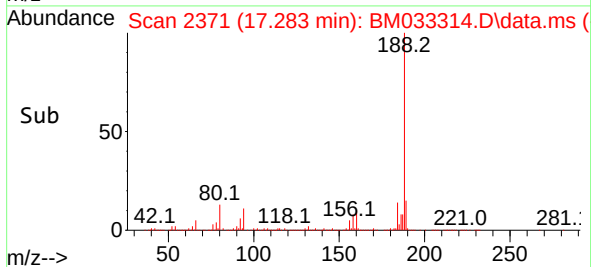
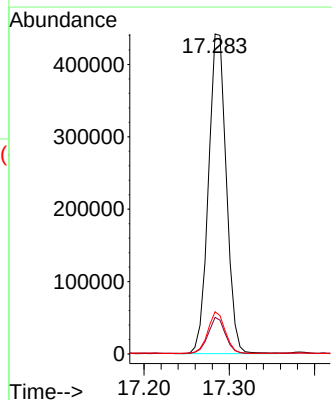
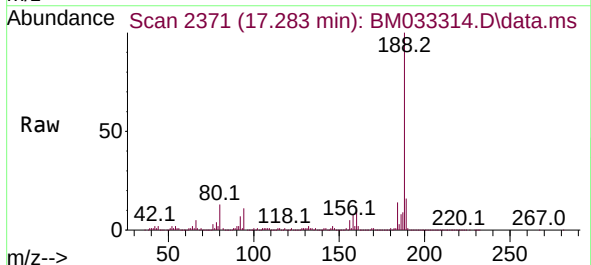
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 BNA_M
 ClientSampleId :
 MW-39

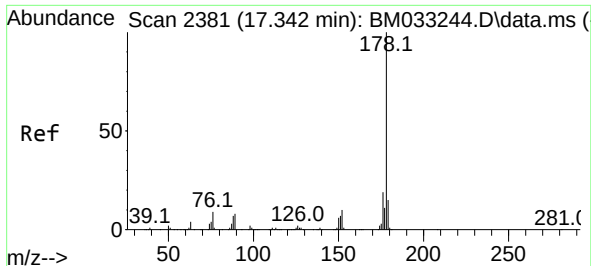
Tgt Ion:166 Resp: 97270
 Ion Ratio Lower Upper
 166 100
 165 102.0 79.3 118.9
 167 14.5 10.6 16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.283 min Scan# 2371
 Delta R.T. -0.012 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

Tgt Ion:188 Resp: 642500
 Ion Ratio Lower Upper
 188 100
 94 11.5 6.3 9.5#
 80 13.2 7.3 10.9#

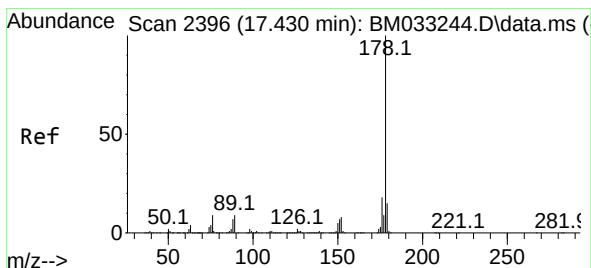
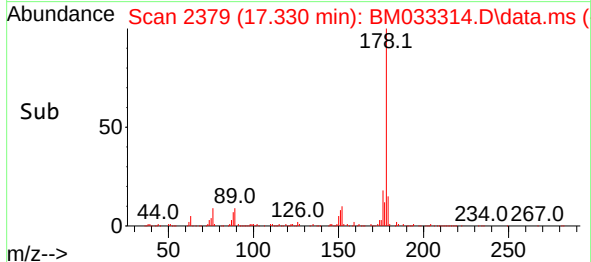
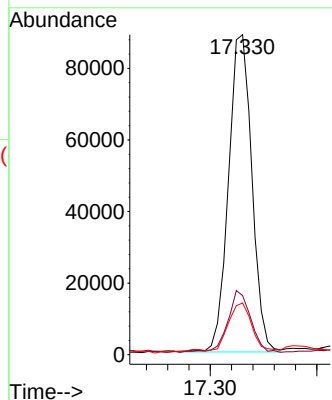
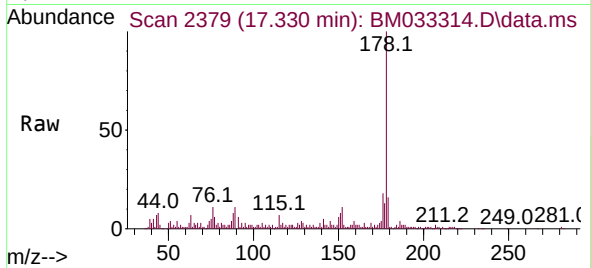




#71
Phenanthrene
Concen: 3.828 ng
RT: 17.330 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

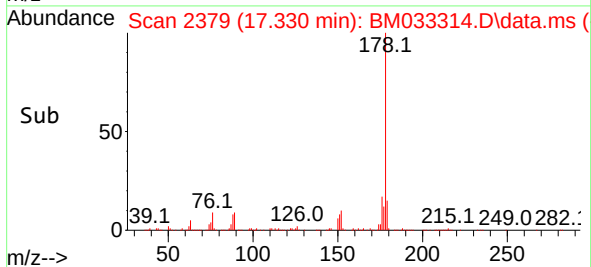
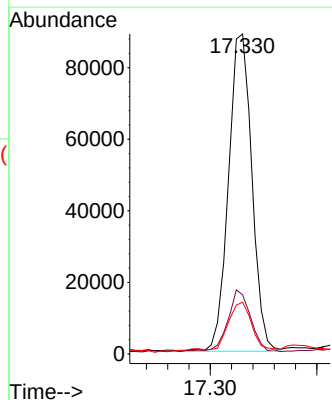
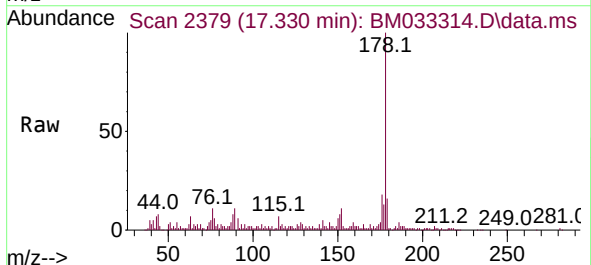
Instrument :
BNA_M
ClientSampleId :
MW-39

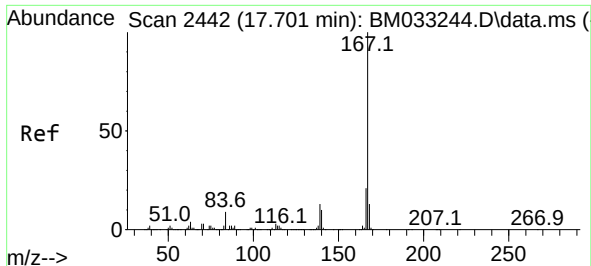
Tgt Ion:178 Resp: 135181
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 16.2 12.4 18.6



#72
Anthracene
Concen: 3.968 ng
RT: 17.330 min Scan# 2379
Delta R.T. -0.100 min
Lab File: BM033314.D
Acq: 06 Dec 2021 16:11

Tgt Ion:178 Resp: 135181
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 16.2 12.3 18.5

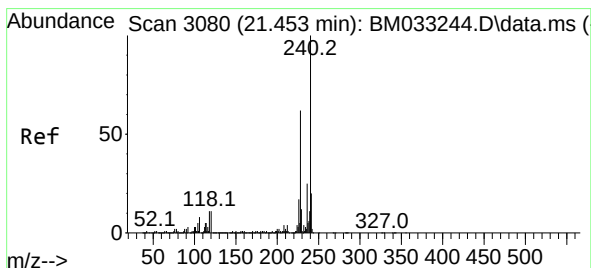
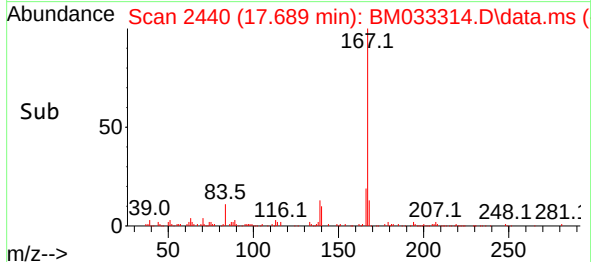
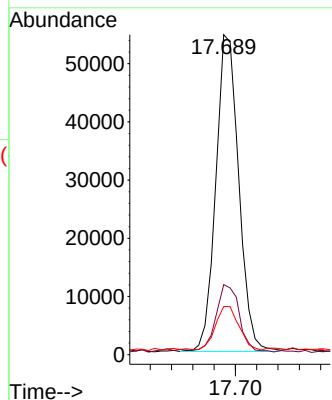
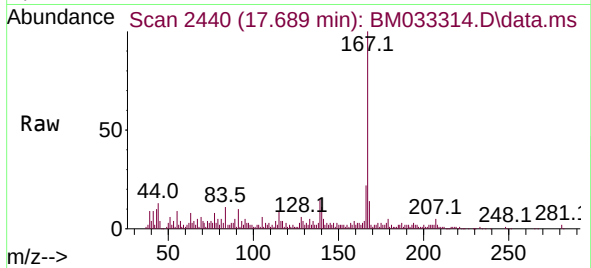




#73
 Carbazole
 Concen: 2.397 ng
 RT: 17.689 min Scan# 2440
 Delta R.T. -0.012 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

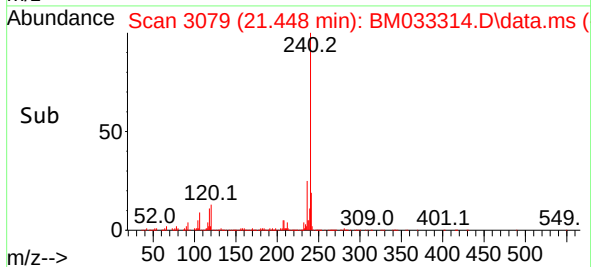
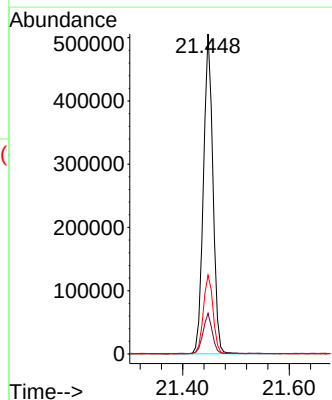
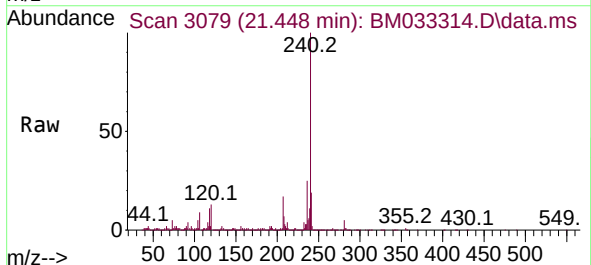
Instrument :
 BNA_M
 ClientSampleId :
 MW-39

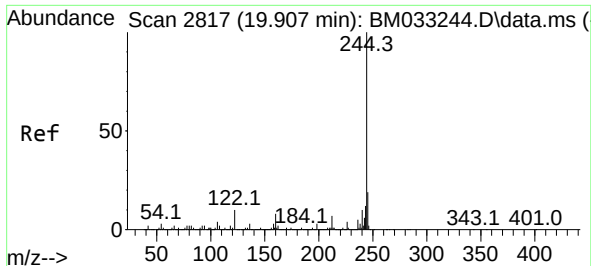
Tgt Ion:167 Resp: 81252
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 15.1 11.9 17.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.448 min Scan# 3079
 Delta R.T. -0.006 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

Tgt Ion:240 Resp: 623228
 Ion Ratio Lower Upper
 240 100
 120 12.7 7.8 11.6#
 236 24.6 20.9 31.3

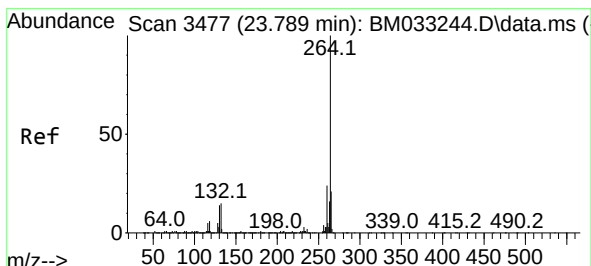
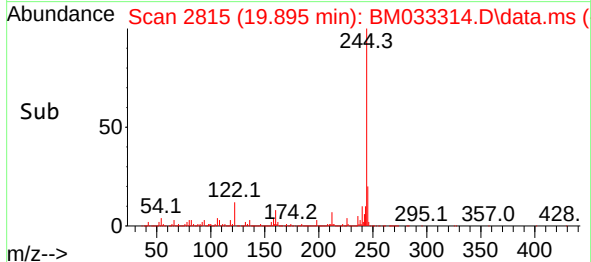
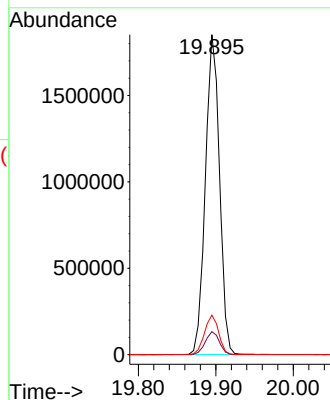
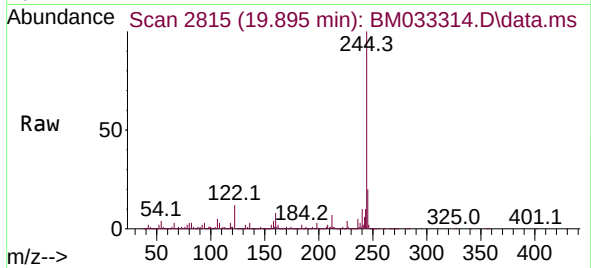




#79
 Terphenyl-d14
 Concen: 74.284 ng
 RT: 19.895 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

Instrument :
 BNA_M
 ClientSampleId :
 MW-39

Tgt Ion:244 Resp: 2341264
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 12.3 8.7 13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.777 min Scan# 3475
 Delta R.T. -0.012 min
 Lab File: BM033314.D
 Acq: 06 Dec 2021 16:11

Tgt Ion:264 Resp: 646789
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 22.2 18.3 27.5

