

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120621\
 Data File : BM033321.D
 Acq On : 06 Dec 2021 20:25
 Operator : CG/JU
 Sample : M4918-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-38

Quant Time: Dec 07 03:09:01 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)

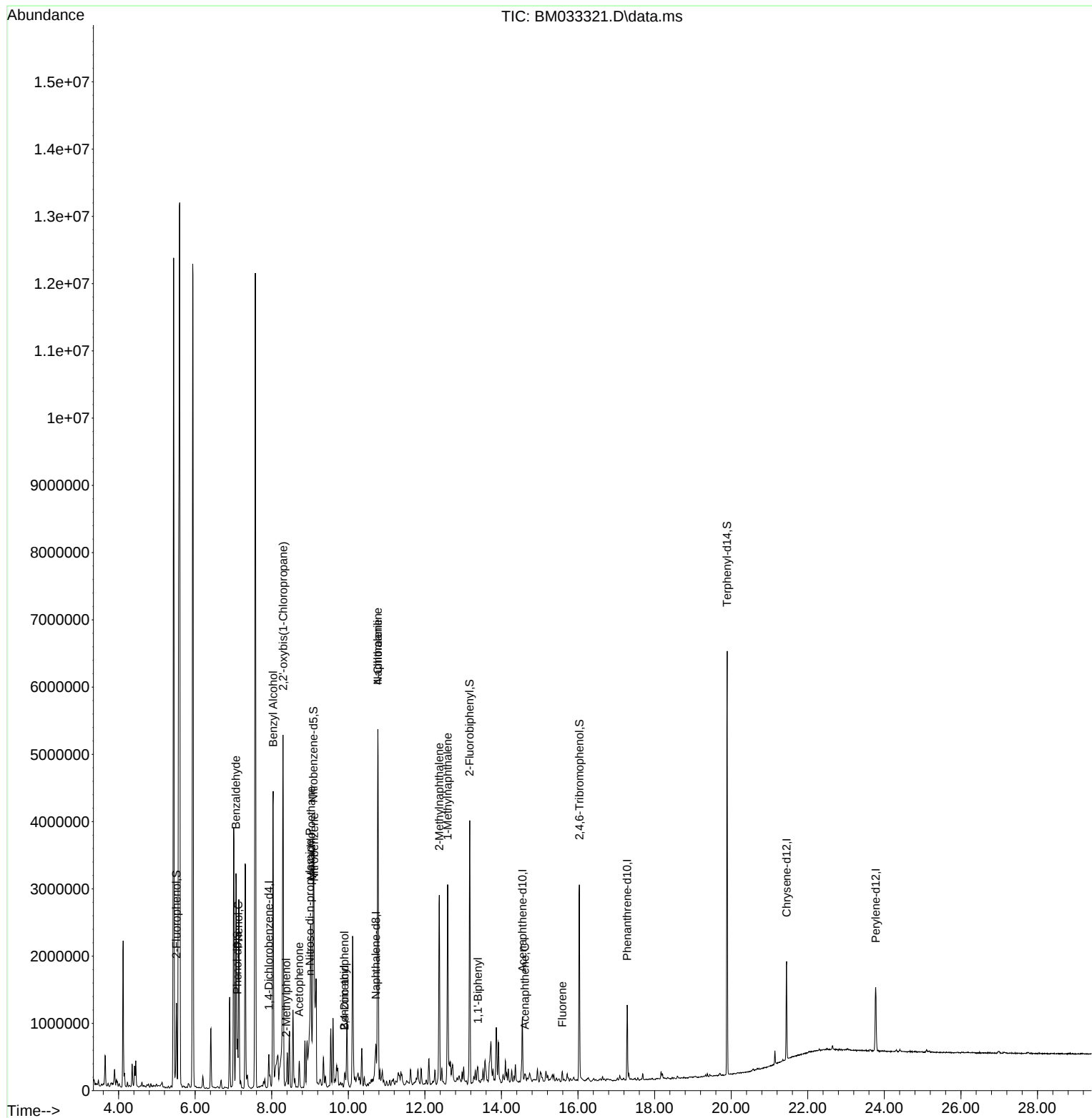
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	122105	20.000	ng	-0.01
21) Naphthalene-d8	10.719	136	490384	20.000	ng	#-0.02
39) Acenaphthene-d10	14.548	164	309556	20.000	ng	-0.01
64) Phenanthrene-d10	17.283	188	644925	20.000	ng	#-0.01
76) Chrysene-d12	21.447	240	668179	20.000	ng	0.00
86) Perylene-d12	23.777	264	685210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.513	112	452155	61.151	ng	0.00
7) Phenol-d6	7.101	99	372708	37.637	ng	0.00
23) Nitrobenzene-d5	9.089	82	1035886	98.064	ng	-0.01
42) 2,4,6-Tribromophenol	16.036	330	439824	130.339	ng	0.00
45) 2-Fluorobiphenyl	13.171	172	1913102	87.159	ng	-0.01
79) Terphenyl-d14	19.895	244	2780364	82.281	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.066	77	244309	43.155	ng	# 1
10) Phenol	7.131	94	31298	3.125	ng	# 7
15) Benzyl Alcohol	8.036	79	236604	30.701	ng	# 14
16) 2,2'-oxybis(1-Chloropr...	8.295	45	84507	6.223	ng	# 1
17) 2-Methylphenol	8.378	107	22127	3.347	ng	92
18) Hexachloroethane	9.025	117	211664	62.998	ng	# 1
19) n-Nitroso-di-n-propyla...	8.995	70	45765	6.950	ng	# 68
22) Acetophenone	8.719	105	262189	20.775	ng	# 53
24) Nitrobenzene	9.107	77	40592	3.989	ng	# 1
27) 2,4-Dimethylphenol	9.901	122	34487	5.320	ng	92
31) Naphthalene	10.772	128	3962670	153.190	ng	99
32) Benzoic acid	9.901	122	34487	12.526	ng	# 26
33) 4-Chloroaniline	10.772	127	517981	52.066	ng	# 30
37) 2-Methylnaphthalene	12.377	142	1254490	71.234	ng	96
38) 1-Methylnaphthalene	12.595	142	928356	54.032	ng	98
46) 1,1'-Biphenyl	13.383	154	86444	3.714	ng	96
52) Acenaphthene	14.613	154	38399	2.250	ng	99
58) Fluorene	15.589	166	49858	2.244	ng	95

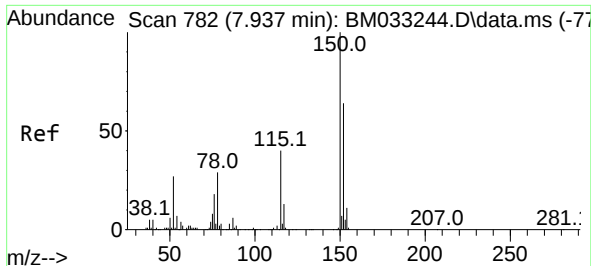
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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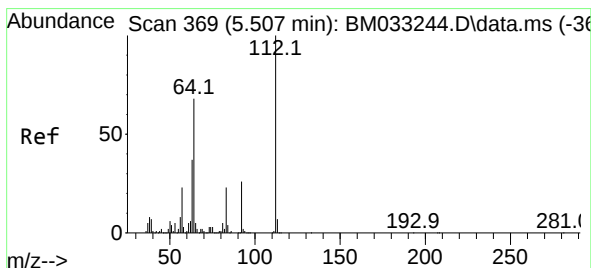
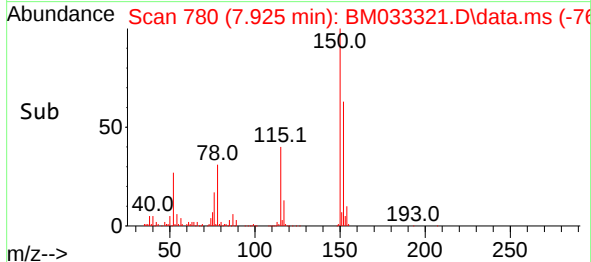
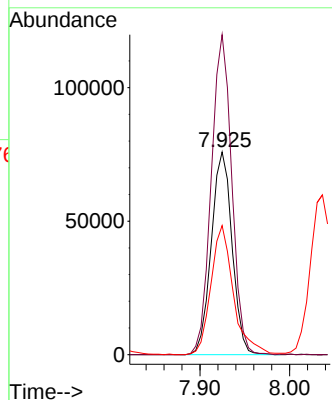
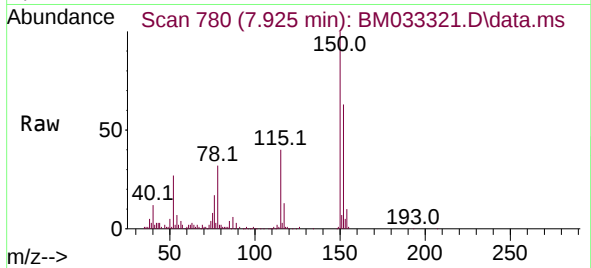




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

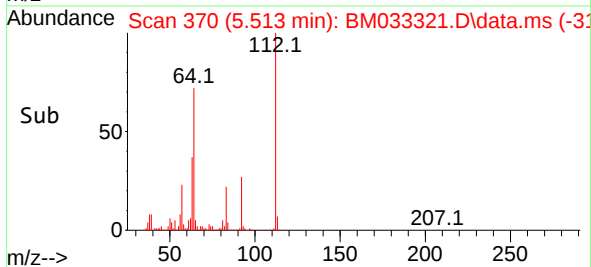
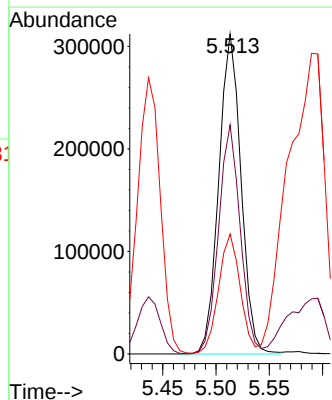
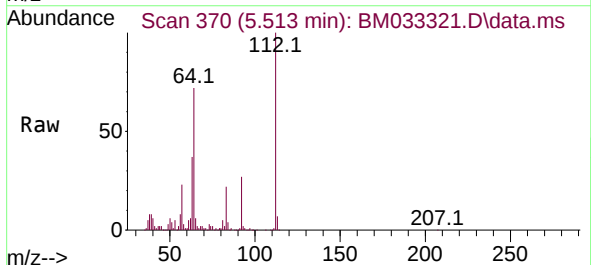
Instrument :
BNA_M
ClientSampleId :
MW-38

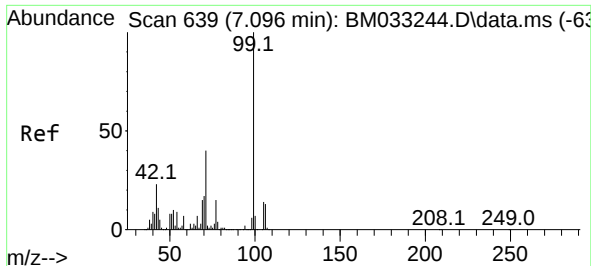
Tgt Ion:152 Resp: 122105
Ion Ratio Lower Upper
152 100
150 157.8 122.4 183.6
115 63.7 53.8 80.8



#5
2-Fluorophenol
Concen: 61.151 ng
RT: 5.513 min Scan# 370
Delta R.T. 0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:112 Resp: 452155
Ion Ratio Lower Upper
112 100
64 71.6 53.7 80.5
63 37.4 33.9 50.9

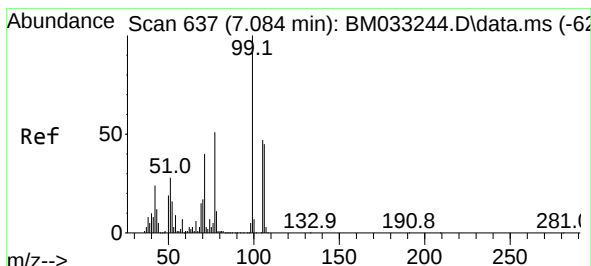
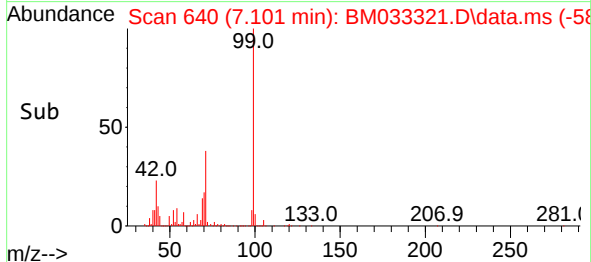
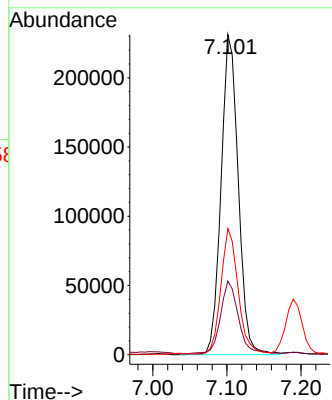
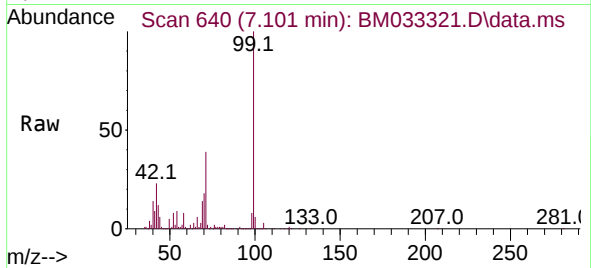




#7
Phenol-d6
Concen: 37.637 ng
RT: 7.101 min Scan# 640
Delta R.T. 0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

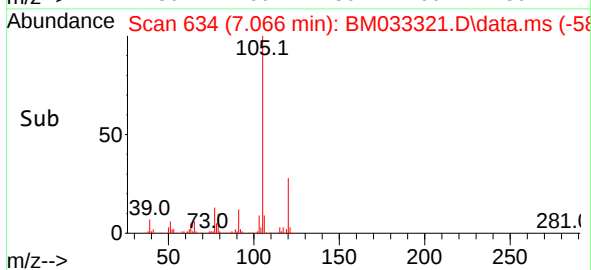
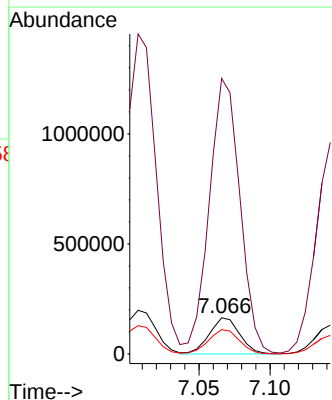
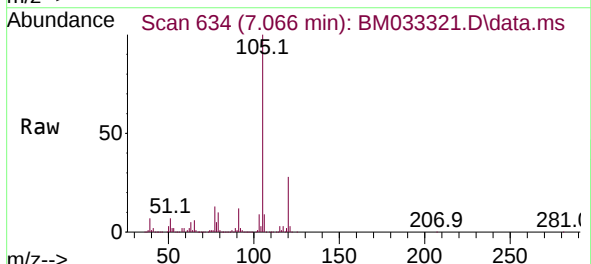
Instrument :
BNA_M
ClientSampleId :
MW-38

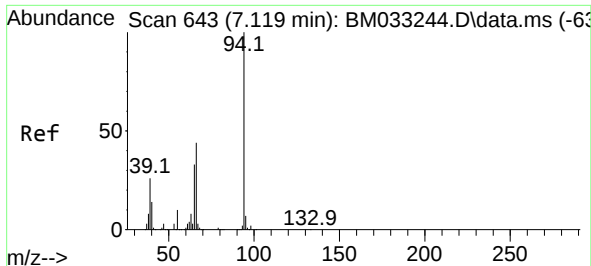
Tgt Ion: 99 Resp: 372708
Ion Ratio Lower Upper
99 100
42 23.0 23.0 34.6#
71 39.4 37.8 56.8



#9
Benzaldehyde
Concen: 43.155 ng
RT: 7.066 min Scan# 634
Delta R.T. -0.018 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion: 77 Resp: 244309
Ion Ratio Lower Upper
77 100
105 761.4 68.9 108.9#
106 67.3 61.2 101.2

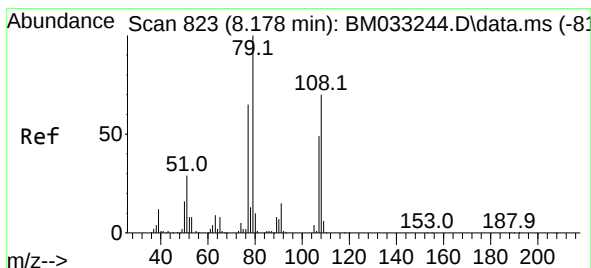
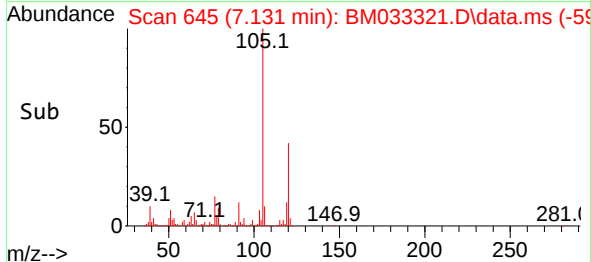
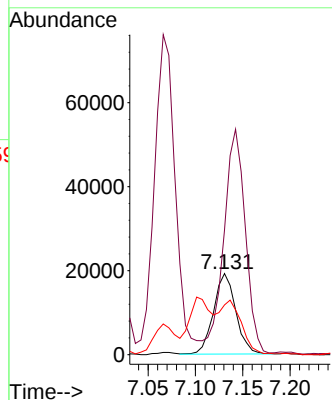
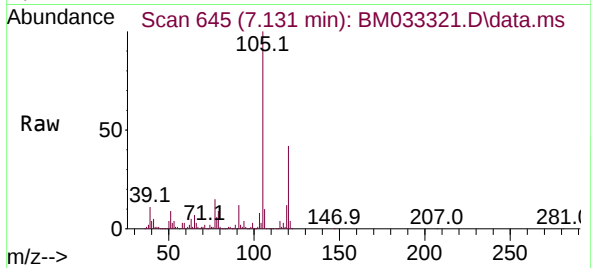




#10
Phenol
Concen: 3.125 ng
RT: 7.131 min Scan# 64
Delta R.T. 0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

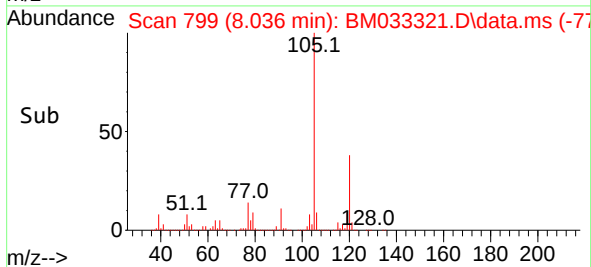
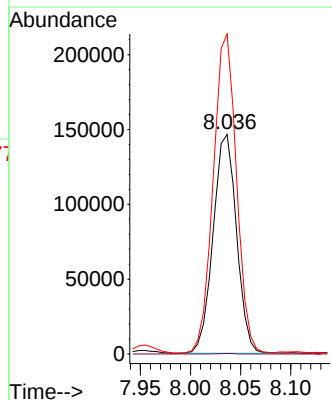
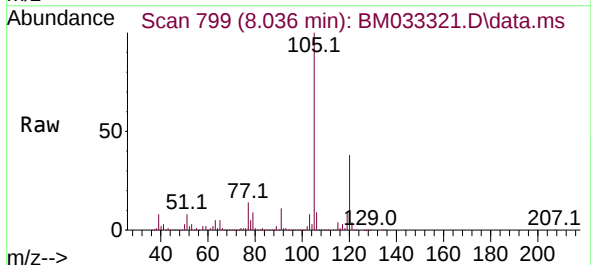
Instrument :
BNA_M
ClientSampleId :
MW-38

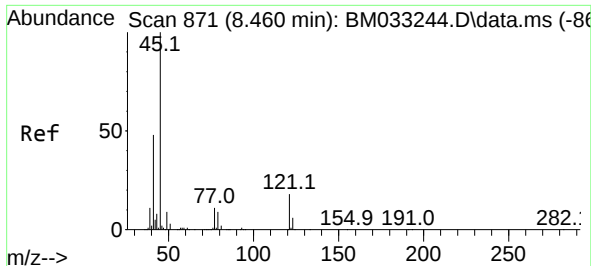
Tgt Ion: 94 Resp: 31298
Ion Ratio Lower Upper
94 100
65 153.7 16.9 56.9#
66 61.4 30.0 70.0



#15
Benzyl Alcohol
Concen: 30.701 ng
RT: 8.036 min Scan# 799
Delta R.T. -0.141 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion: 79 Resp: 236604
Ion Ratio Lower Upper
79 100
108 0.2 53.6 80.4#
77 145.7 57.7 86.5#

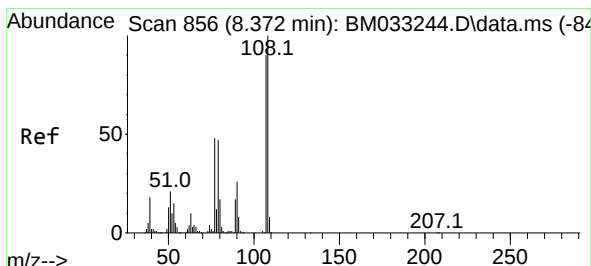
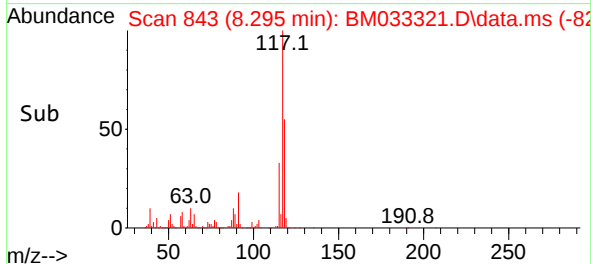
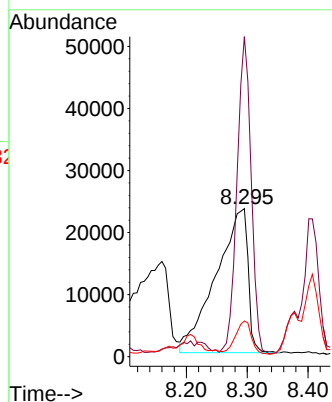
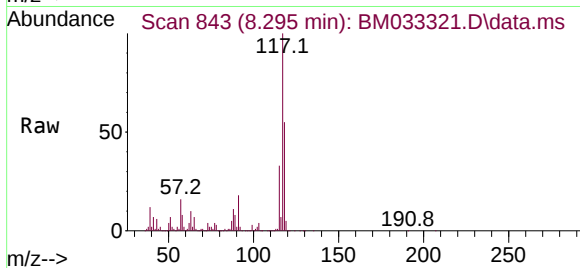




#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.223 ng
RT: 8.295 min Scan# 84
Delta R.T. -0.165 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

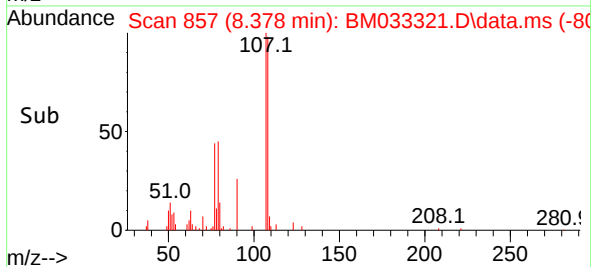
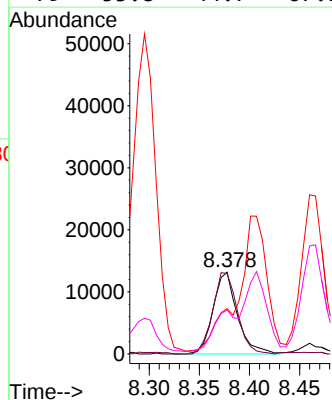
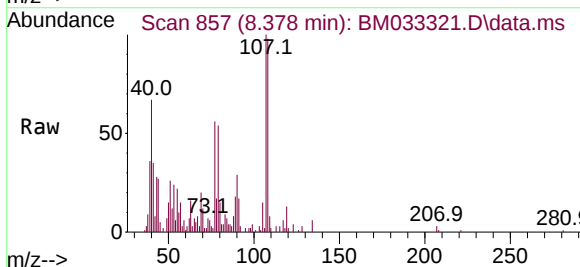
Instrument :
BNA_M
ClientSampleId :
MW-38

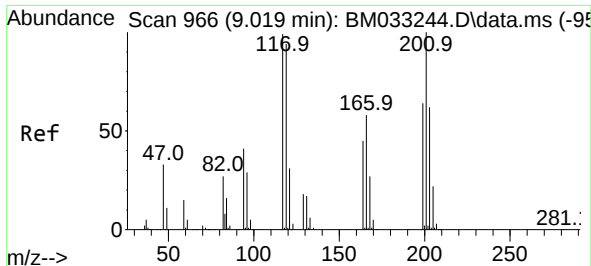
Tgt Ion: 45 Resp: 84507
Ion Ratio Lower Upper
45 100
77 216.3 0.0 36.1#
79 24.1 0.0 30.5



#17
2-Methylphenol
Concen: 3.347 ng
RT: 8.378 min Scan# 857
Delta R.T. 0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion: 107 Resp: 22127
Ion Ratio Lower Upper
107 100
108 98.3 87.9 131.9
77 55.6 48.2 72.2
79 53.8 44.7 67.1

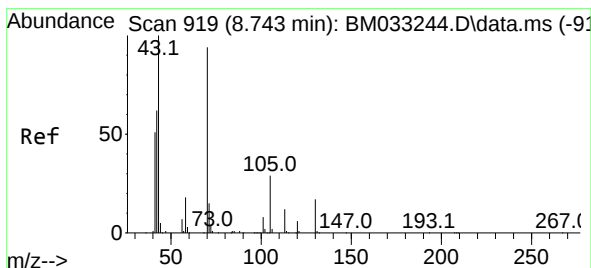
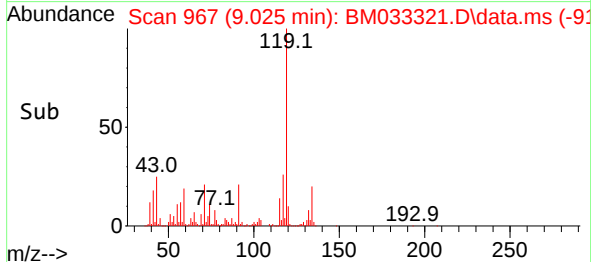
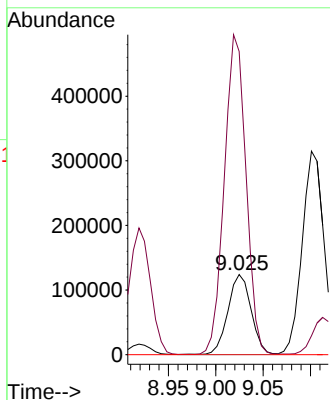
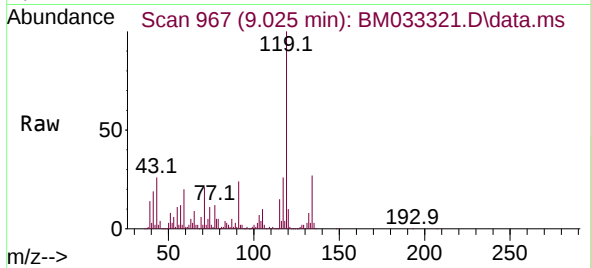




#18
Hexachloroethane
Concen: 62.998 ng
RT: 9.025 min Scan# 90
Delta R.T. 0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

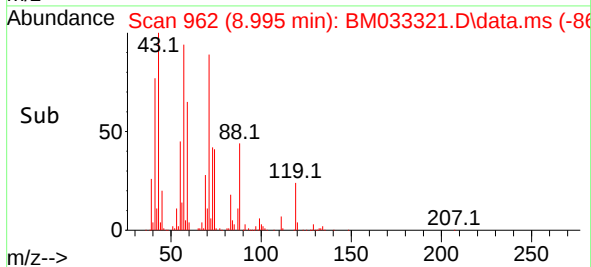
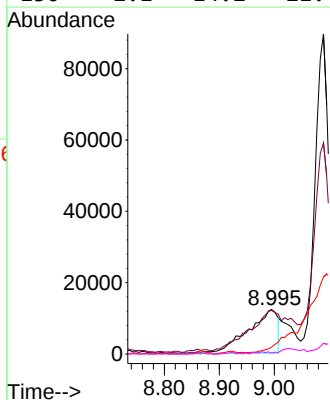
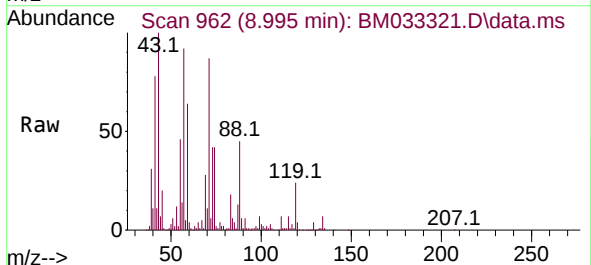
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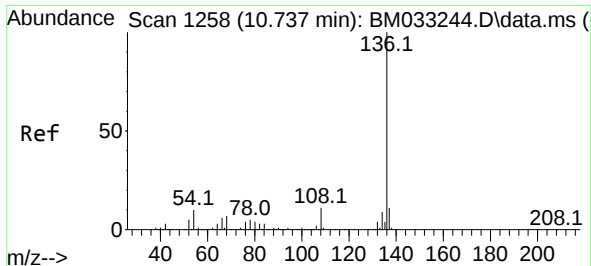
Tgt Ion:117 Resp: 211664
Ion Ratio Lower Upper
117 100
119 378.0 77.7 116.5#
201 0.0 70.2 105.2#



#19
n-Nitroso-di-n-propylamine
Concen: 6.950 ng
RT: 8.995 min Scan# 962
Delta R.T. 0.253 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion: 70 Resp: 45765
Ion Ratio Lower Upper
70 100
42 97.6 56.3 84.5#
101 15.3 7.8 11.6#
130 2.1 14.2 21.4#

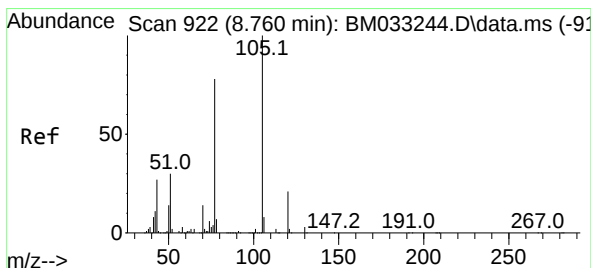
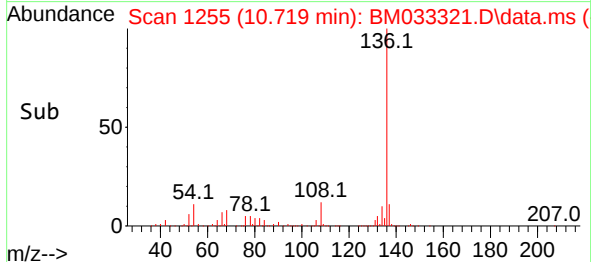
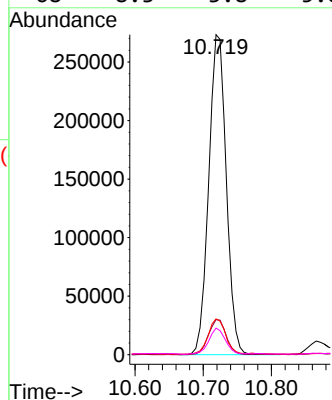
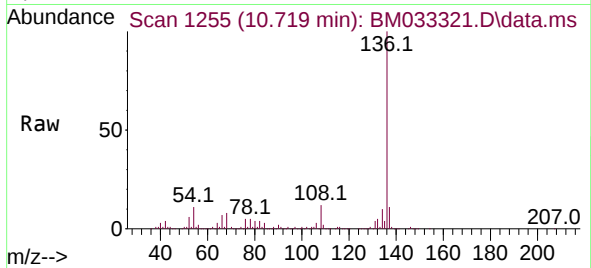




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.719 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

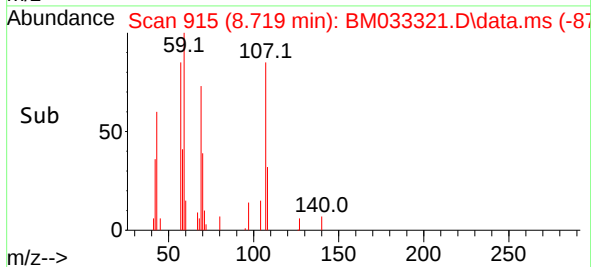
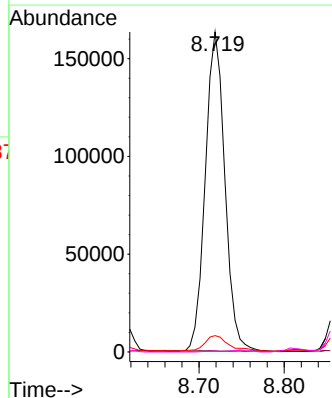
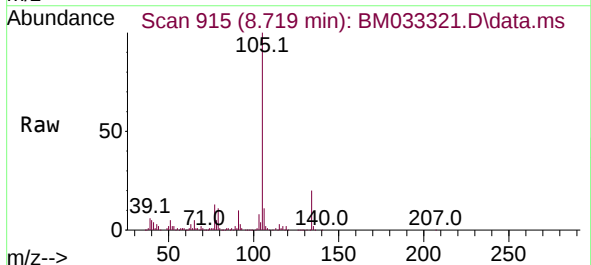
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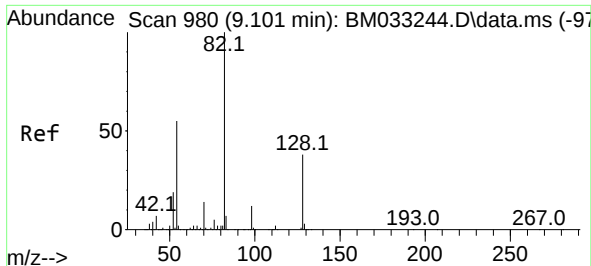
Tgt Ion:136 Resp: 490384
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 11.2 7.4 11.0#
68 8.3 3.8 5.8#



#22
Acetophenone
Concen: 20.775 ng
RT: 8.719 min Scan# 915
Delta R.T. -0.041 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:105 Resp: 262189
Ion Ratio Lower Upper
105 100
71 0.4 3.8 5.6#
51 5.1 29.5 44.3#
120 0.3 16.3 24.5#





#23

Nitrobenzene-d5

Concen: 98.064 ng

RT: 9.089 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM033321.D

Acq: 06 Dec 2021 20:25

Instrument :

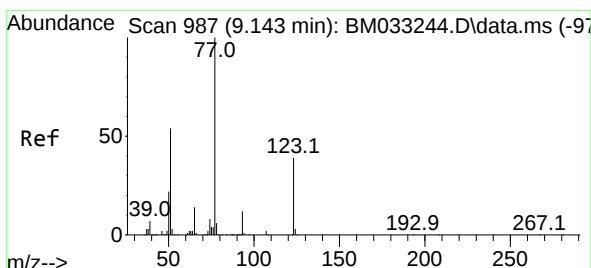
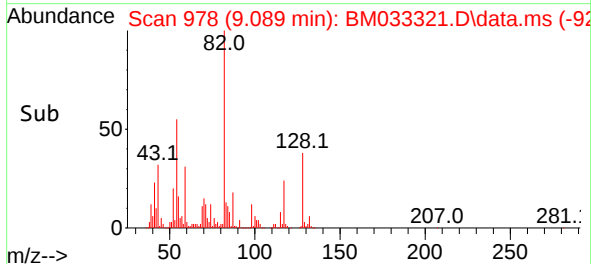
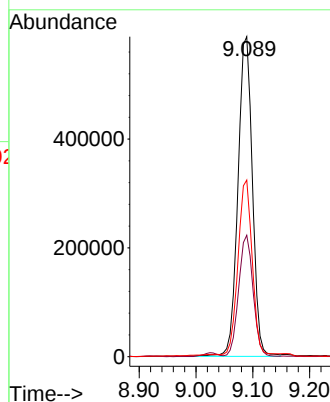
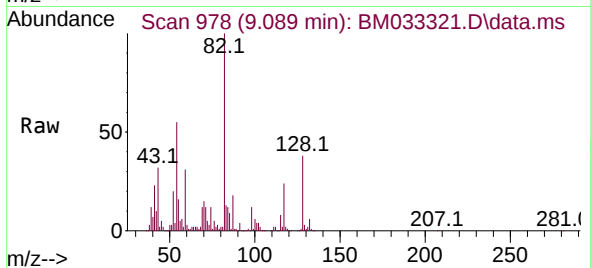
BNA_M

ClientSampleId :

MW-38

Tgt Ion: 82 Resp: 1035886

Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.0	43.6
54	55.2	45.8	68.8



#24

Nitrobenzene

Concen: 3.989 ng

RT: 9.107 min Scan# 981

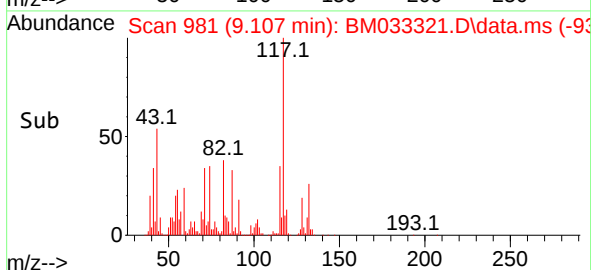
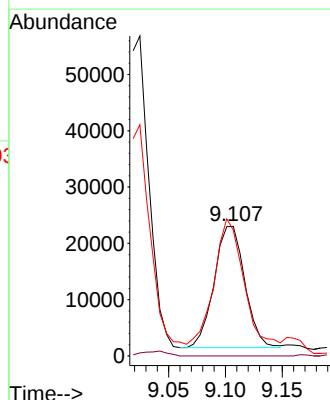
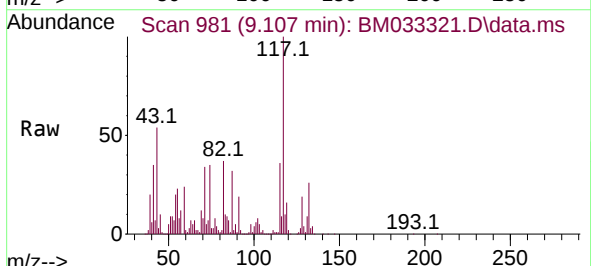
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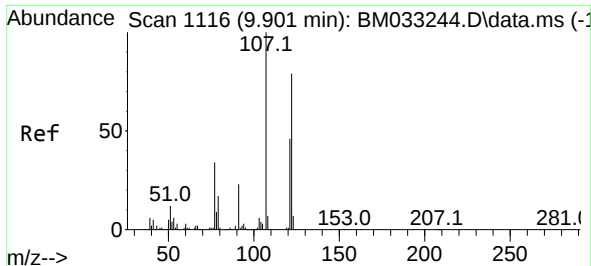
Lab File: BM033321.D

Acq: 06 Dec 2021 20:25

Tgt Ion: 77 Resp: 40592

Ion	Ratio	Lower	Upper
77	100		
123	0.0	30.1	45.1#
65	97.0	11.7	17.5#

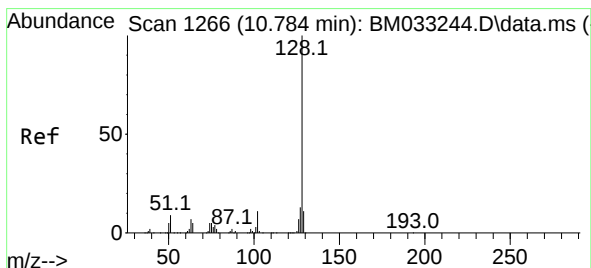
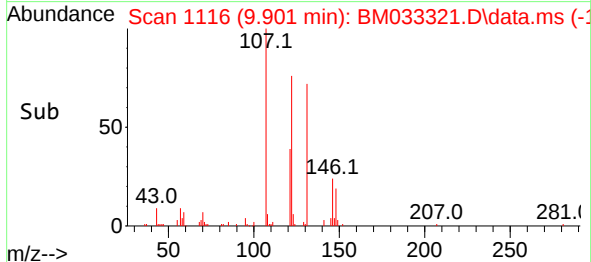
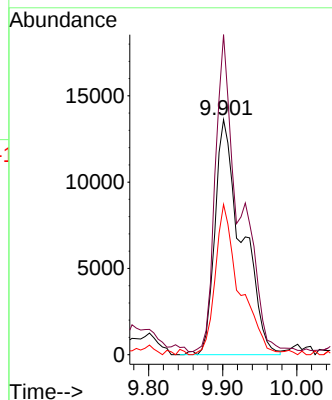
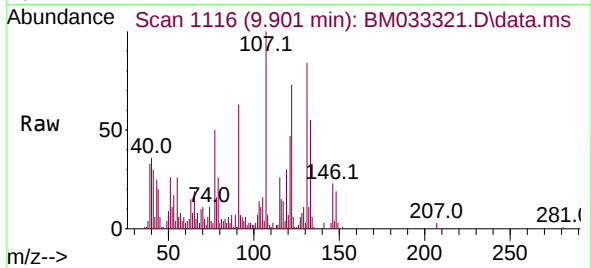




#27
2,4-Dimethylphenol
Concen: 5.320 ng
RT: 9.901 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

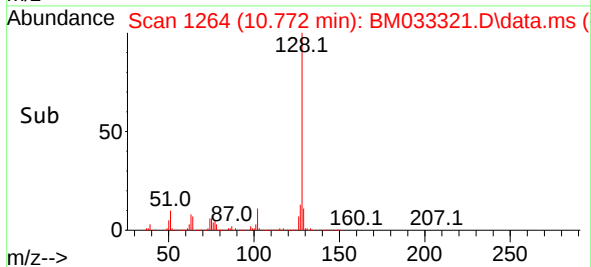
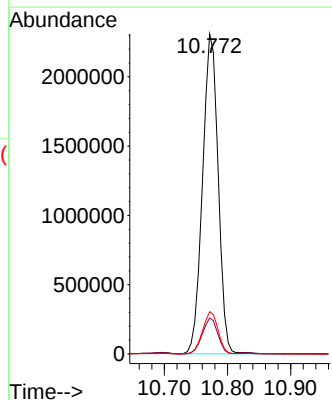
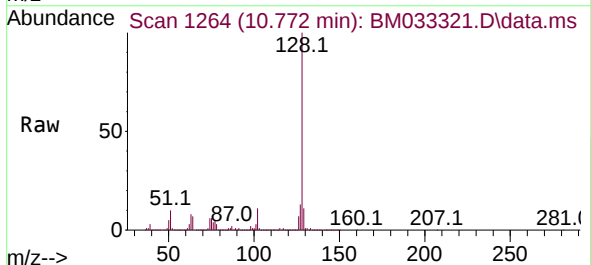
Instrument :
BNA_M
ClientSampleId :
MW-38

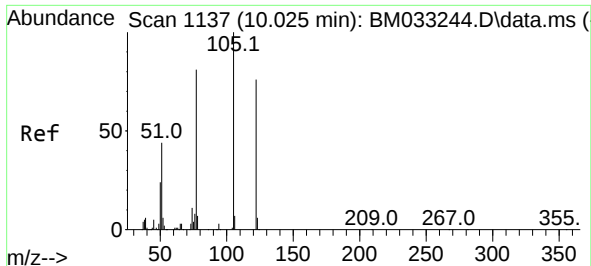
Tgt Ion:122 Resp: 34487
Ion Ratio Lower Upper
122 100
107 136.2 100.6 150.8
121 63.9 47.3 70.9



#31
Naphthalene
Concen: 153.190 ng
RT: 10.772 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:128 Resp: 3962670
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.4 15.6

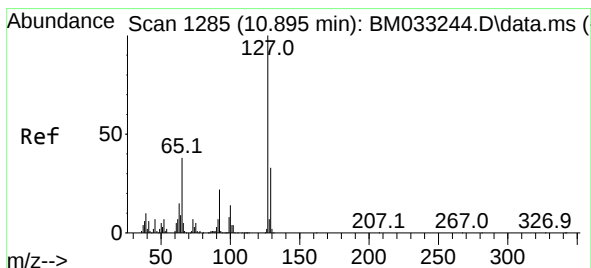
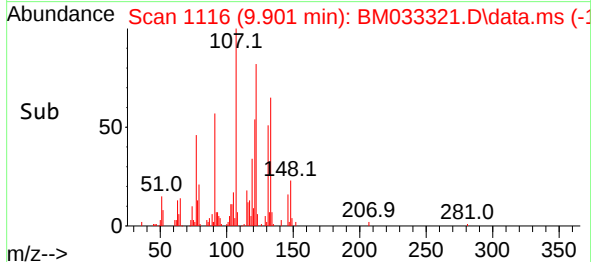
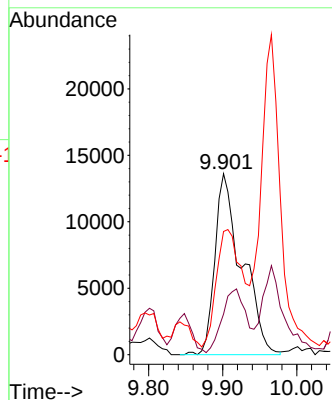
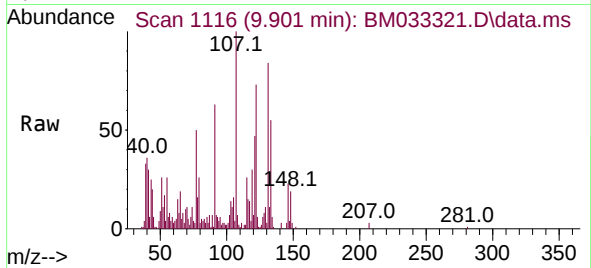




#32
Benzoic acid
Concen: 12.526 ng
RT: 9.901 min Scan# 1116
Delta R.T. -0.124 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

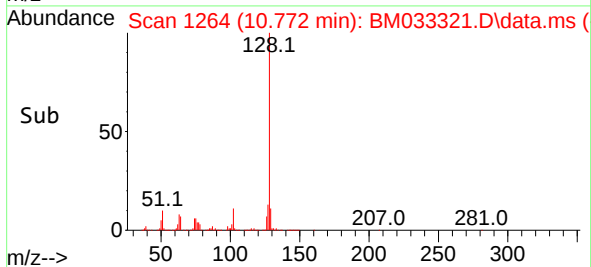
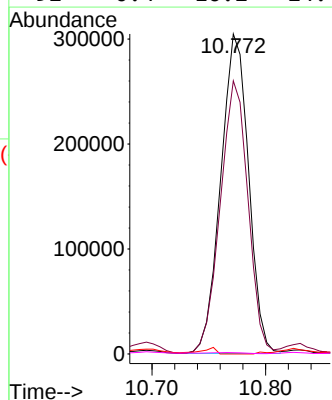
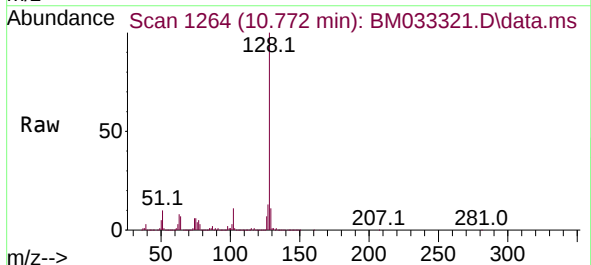
Instrument :
BNA_M
ClientSampleId :
MW-38

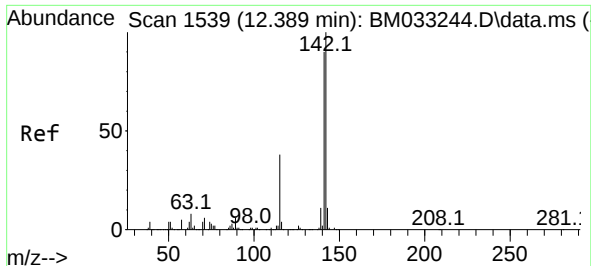
Tgt Ion:122 Resp: 34487
Ion Ratio Lower Upper
122 100
105 22.4 120.3 160.3#
77 68.1 100.0 140.0#



#33
4-Chloroaniline
Concen: 52.066 ng
RT: 10.772 min Scan# 1264
Delta R.T. -0.124 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:127 Resp: 517981
Ion Ratio Lower Upper
127 100
129 85.3 25.6 38.4#
65 0.0 30.4 45.6#
92 0.4 16.2 24.4#





#37

2-Methylnaphthalene

Concen: 71.234 ng

RT: 12.377 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM033321.D

Acq: 06 Dec 2021 20:25

Instrument :

BNA_M

ClientSampleId :

MW-38

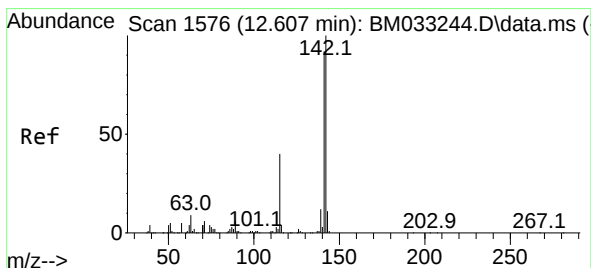
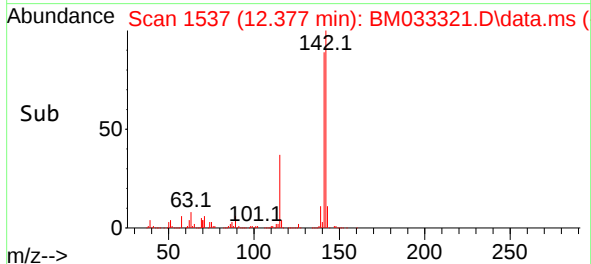
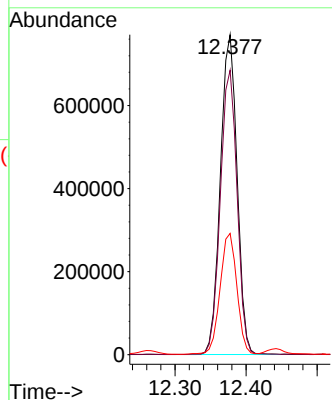
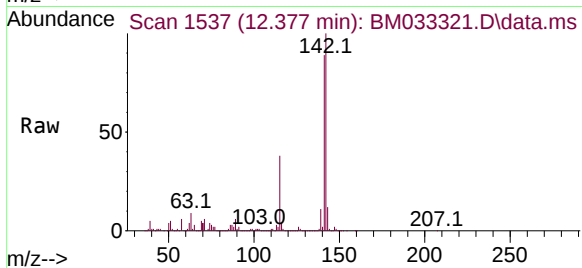
Tgt Ion:142 Resp: 1254490

Ion Ratio Lower Upper

142 100

141 88.9 71.8 107.6

115 37.9 36.3 54.5



#38

1-Methylnaphthalene

Concen: 54.032 ng

RT: 12.595 min Scan# 1574

Delta R.T. -0.012 min

Lab File: BM033321.D

Acq: 06 Dec 2021 20:25

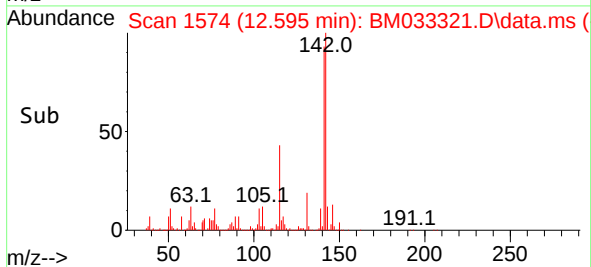
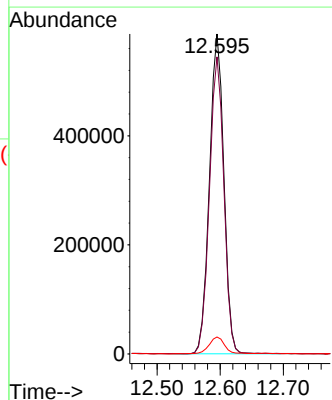
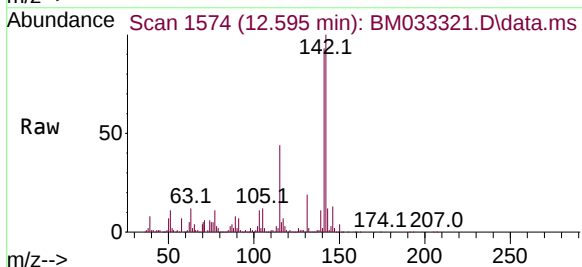
Tgt Ion:142 Resp: 928356

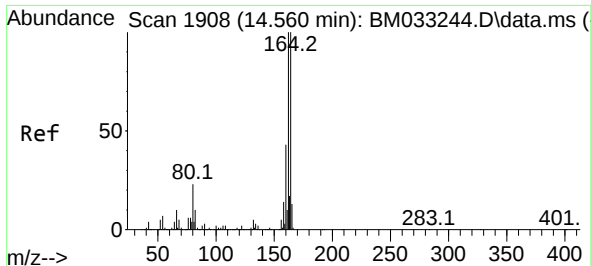
Ion Ratio Lower Upper

142 100

141 92.9 75.6 113.4

116 5.3 4.0 6.0

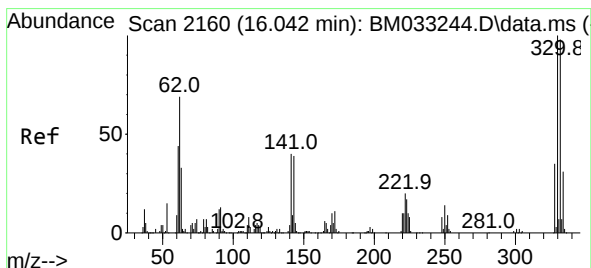
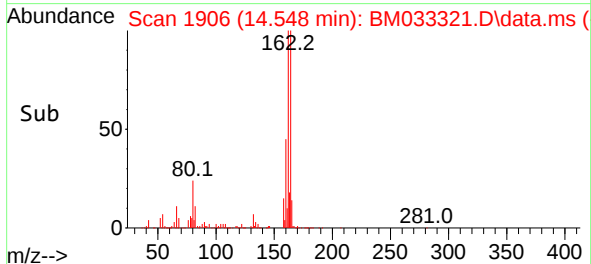
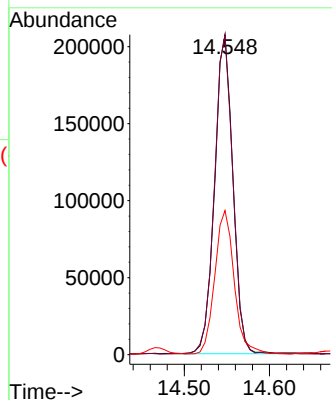
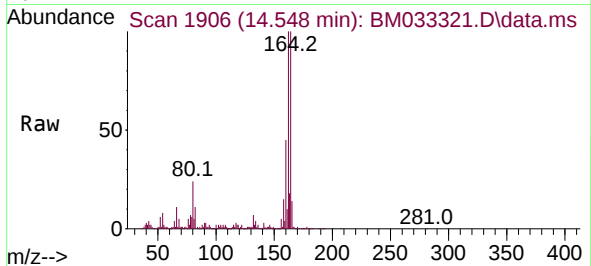




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.548 min Scan# 1906
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

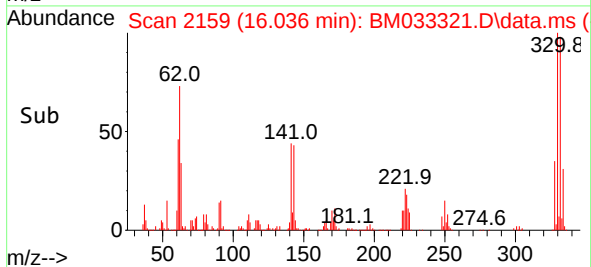
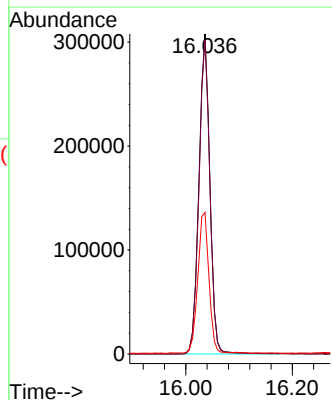
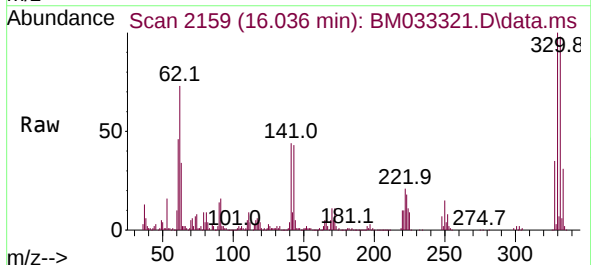
Instrument :
BNA_M
ClientSampleId :
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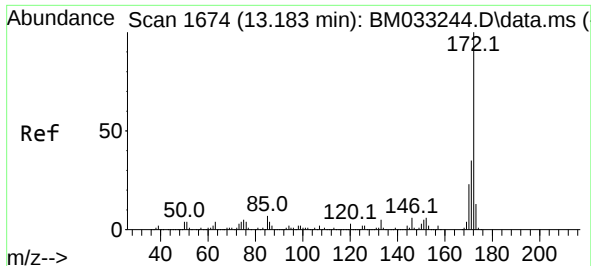
Tgt Ion:164 Resp: 309556
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 45.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 130.339 ng
RT: 16.036 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:330 Resp: 439824
Ion Ratio Lower Upper
330 100
332 97.4 75.7 113.5
141 44.5 50.7 76.1#

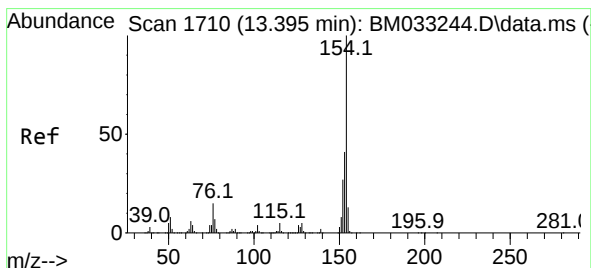
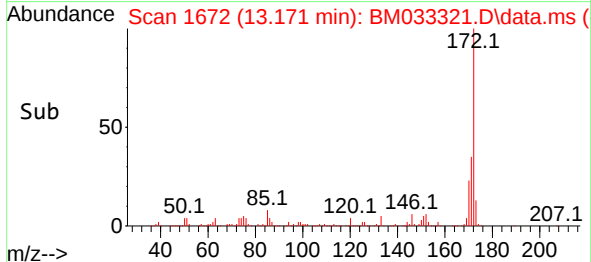
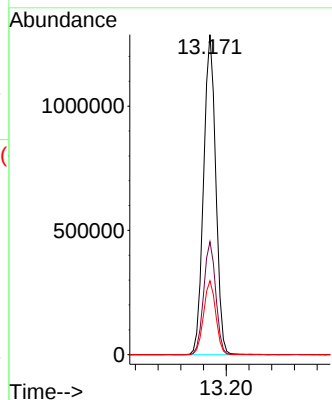
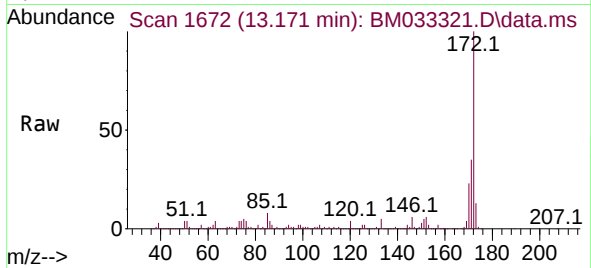




#45
2-Fluorobiphenyl
Concen: 87.159 ng
RT: 13.171 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

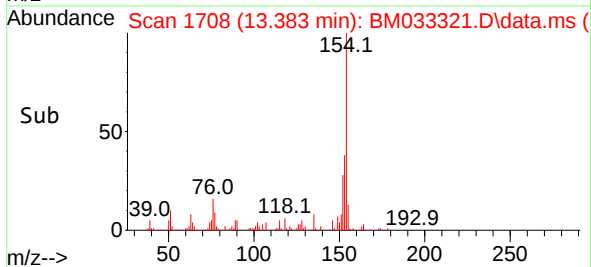
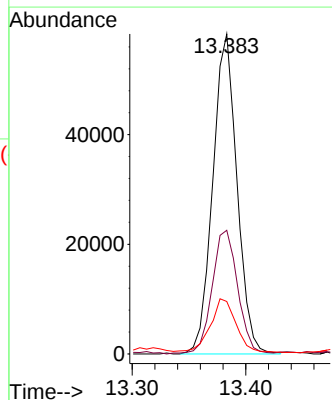
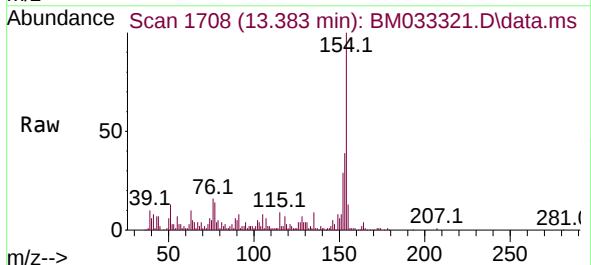
Instrument :
BNA_M
ClientSampleId :
MW-38

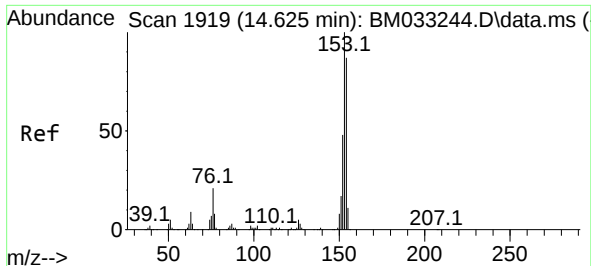
Tgt Ion:172 Resp: 1913102
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.1 18.6 27.8



#46
1,1'-Biphenyl
Concen: 3.714 ng
RT: 13.383 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:154 Resp: 86444
Ion Ratio Lower Upper
154 100
153 38.6 20.3 60.3
76 16.4 0.0 33.5

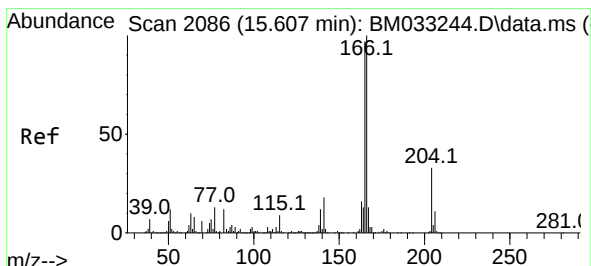
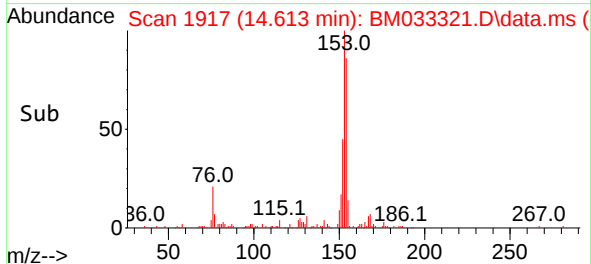
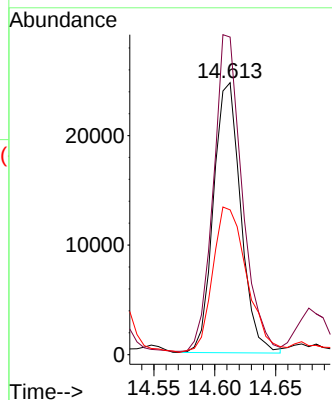
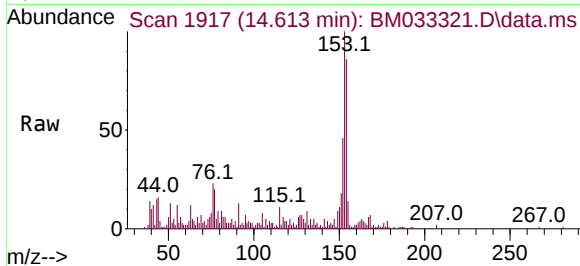




#52
Acenaphthene
Concen: 2.250 ng
RT: 14.613 min Scan# 1917
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

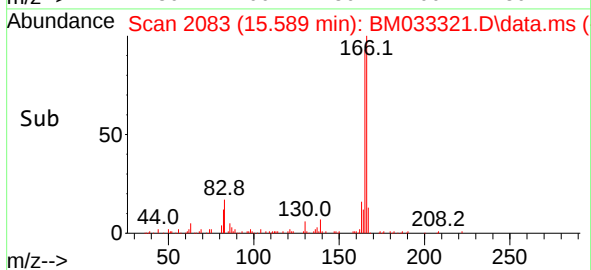
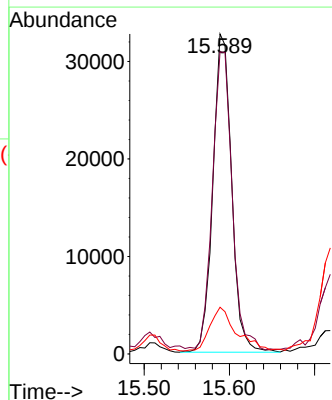
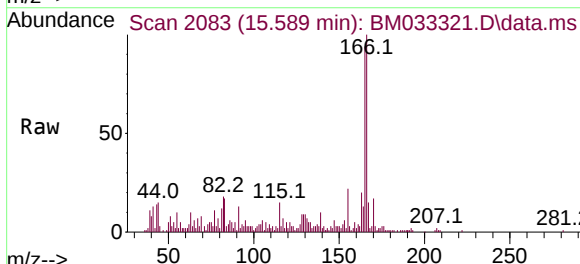
Instrument :
BNA_M
ClientSampleId :
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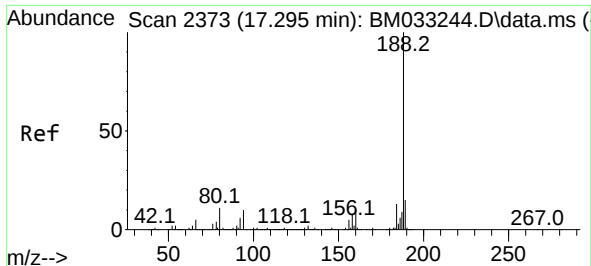
Tgt Ion:154 Resp: 38399
Ion Ratio Lower Upper
154 100
153 116.8 92.4 138.6
152 53.3 43.7 65.5



#58
Fluorene
Concen: 2.244 ng
RT: 15.589 min Scan# 2083
Delta R.T. -0.018 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:166 Resp: 49858
Ion Ratio Lower Upper
166 100
165 94.4 79.3 118.9
167 14.6 10.6 16.0

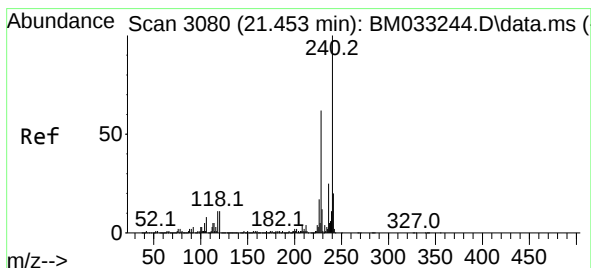
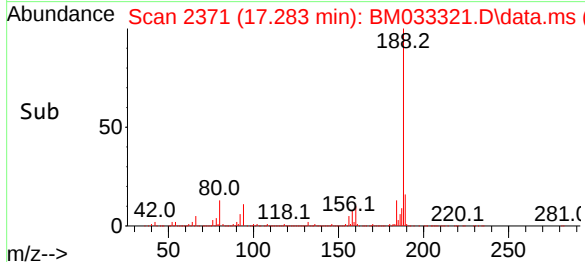
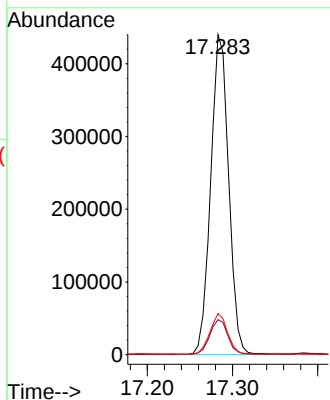
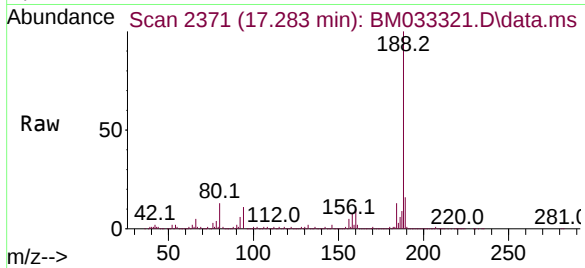




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.283 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

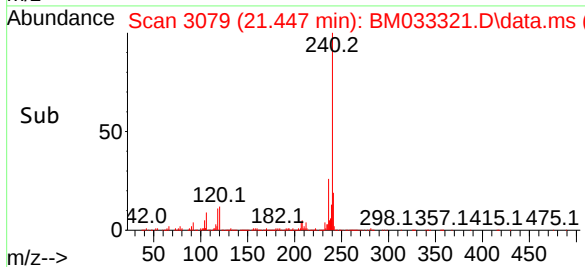
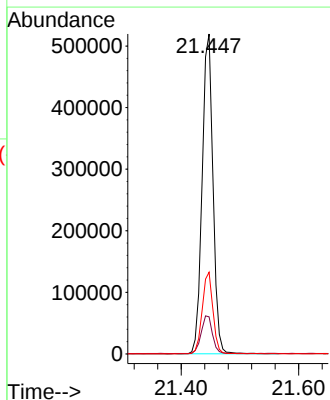
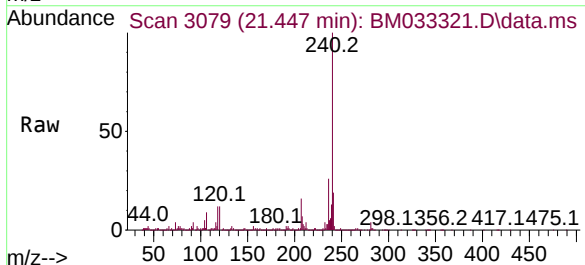
Instrument :
BNA_M
ClientSampleId :
MW-38

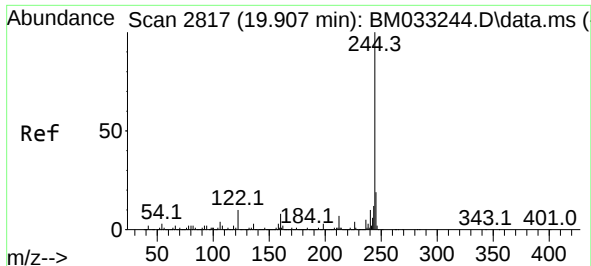
Tgt Ion:188 Resp: 644925
Ion Ratio Lower Upper
188 100
94 11.0 6.3 9.5#
80 12.8 7.3 10.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.447 min Scan# 3079
Delta R.T. -0.006 min
Lab File: BM033321.D
Acq: 06 Dec 2021 20:25

Tgt Ion:240 Resp: 668179
Ion Ratio Lower Upper
240 100
120 11.6 7.8 11.6
236 25.6 20.9 31.3

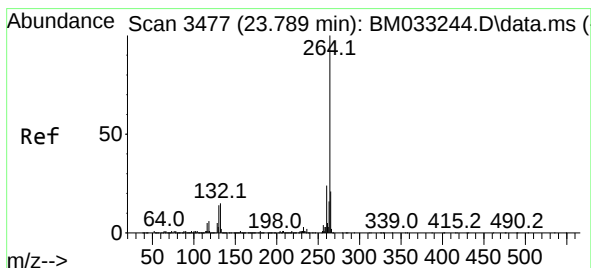
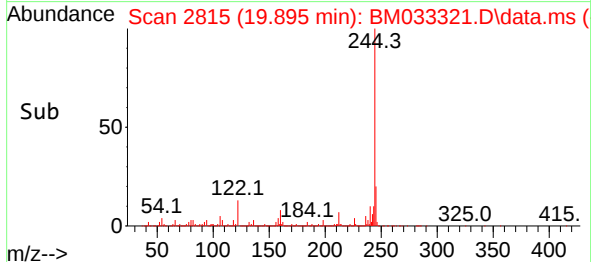
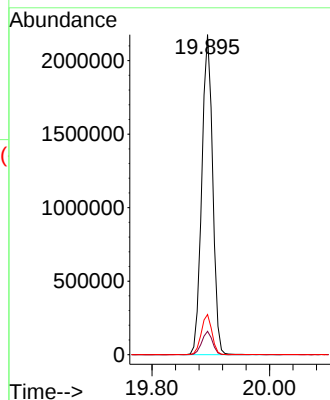
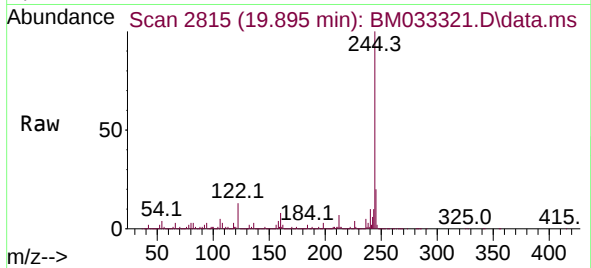




#79
 Terphenyl-d14
 Concen: 82.281 ng
 RT: 19.895 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM033321.D
 Acq: 06 Dec 2021 20:25

Instrument :
 BNA_M
 ClientSampleId :
 MW-38

Tgt Ion:244 Resp: 2780364
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 12.6 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: BM033321.D
 Acq: 06 Dec 2021 20:25

Tgt Ion:264 Resp: 685210
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 22.3 18.3 27.5

