

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112421\
 Data File : BM033253.D
 Acq On : 24 Nov 2021 18:48
 Operator : CG/JU
 Sample : M4802-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RRT-01

Quant Time: Nov 26 04:09:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM112421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 24 15:16:33 2021
 Response via : Initial Calibration

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

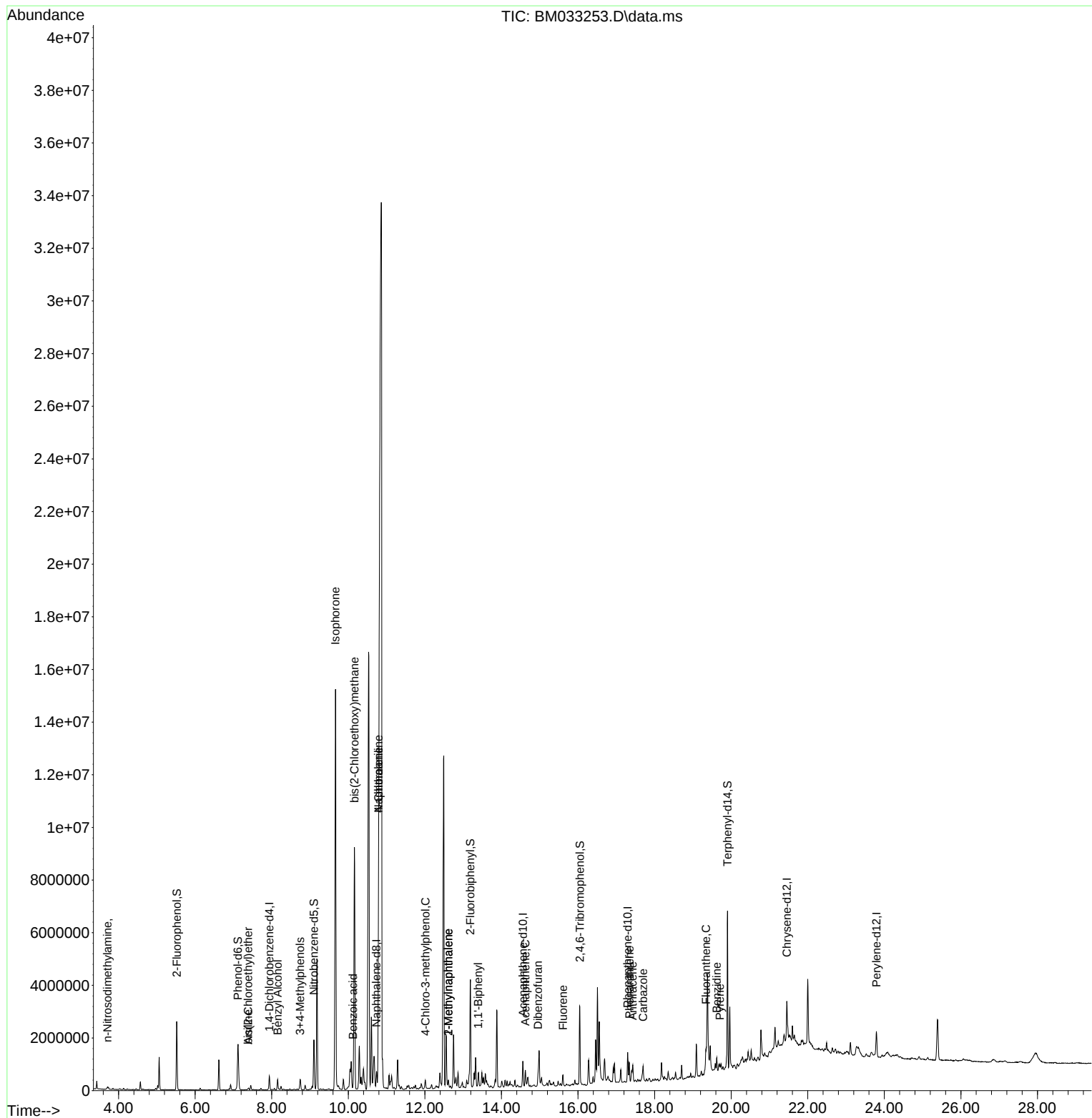
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	136612	20.000	ng	0.00
21) Naphthalene-d8	10.736	136	504613	20.000	ng	# 0.00
39) Acenaphthene-d10	14.560	164	327503	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	635753	20.000	ng	# 0.00
76) Chrysene-d12	21.453	240	614718	20.000	ng	0.00
86) Perylene-d12	23.794	264	639469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	1039917	125.706	ng	0.01
7) Phenol-d6	7.119	99	1259295	113.661	ng	0.02
23) Nitrobenzene-d5	9.101	82	1070828	98.514	ng	0.00
42) 2,4,6-Tribromophenol	16.048	330	493672	138.280	ng	0.00
45) 2-Fluorobiphenyl	13.189	172	2102226	90.527	ng	0.00
79) Terphenyl-d14	19.906	244	2710800	87.199	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.713	42	10748	2.362	ng	# 35
6) Aniline	7.384	93	26925	2.158	ng	# 51
9) Benzaldehyde	7.084	77	16737	Below Cal		93
11) bis(2-Chloroethyl)ether	7.384	93	26925	3.141	ng	# 22
15) Benzyl Alcohol	8.154	79	49480	5.739	ng	# 62
20) 3+4-Methylphenols	8.742	107	165176	16.487	ng	90
25) Isophorone	9.666	82	746591	43.920	ng	# 48
28) bis(2-Chloroethoxy)met...	10.160	93	351043	31.698	ng	# 1
31) Naphthalene	10.789	128	2024550	76.058	ng	100
32) Benzoic acid	10.125	122	23332	10.023	ng	88
33) 4-Chloroaniline	10.789	127	265654	25.950	ng	# 24
36) 4-Chloro-3-methylphenol	12.013	107	71145	8.282	ng	# 21
37) 2-Methylnaphthalene	12.613	142	119979	6.621	ng	97
38) 1-Methylnaphthalene	12.613	142	121319	6.862	ng	98
46) 1,1'-Biphenyl	13.395	154	49731	2.020	ng	92
52) Acenaphthene	14.624	154	200977	11.130	ng	96
55) Dibenzofuran	14.954	168	196787	6.554	ng	93
58) Fluorene	15.607	166	169067	7.191	ng	97
71) Phenanthrene	17.342	178	447782	12.814	ng	99
72) Anthracene	17.430	178	385694	11.441	ng	99
73) Carbazole	17.701	167	359810	10.728	ng	99
75) Fluoranthene	19.342	202	167490	4.171	ng	94
77) Benzidine	19.624	184	101485	14.684	ng	# 92
78) Pyrene	19.706	202	101925	2.519	ng	# 95

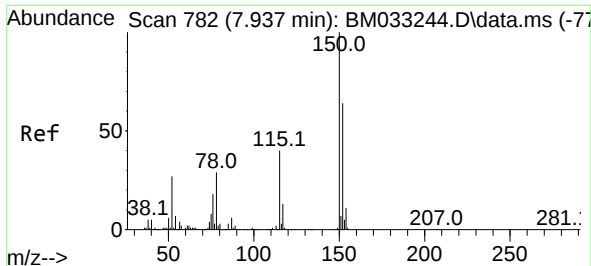
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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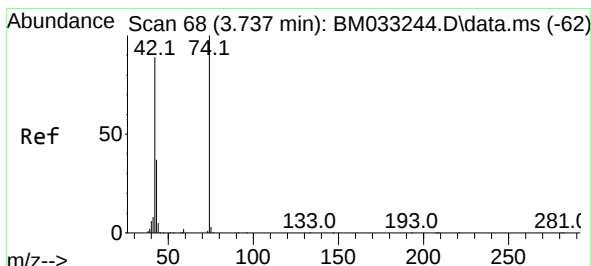
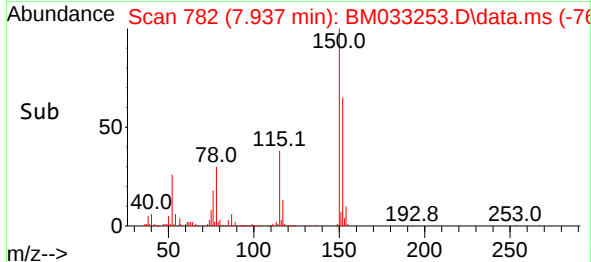
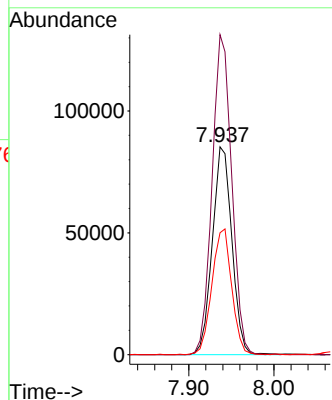
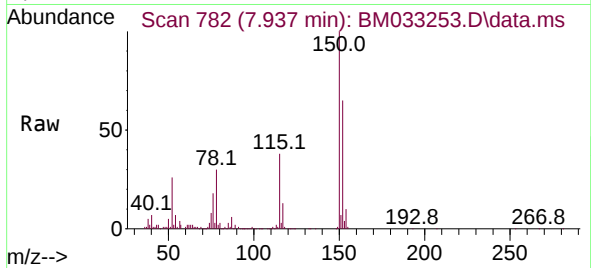




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 782
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

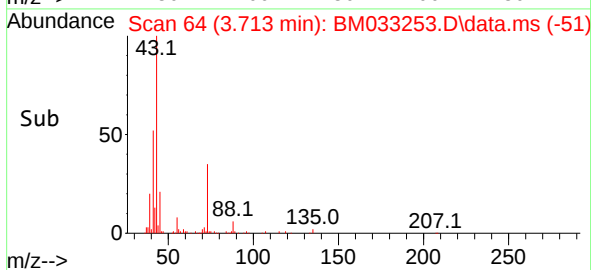
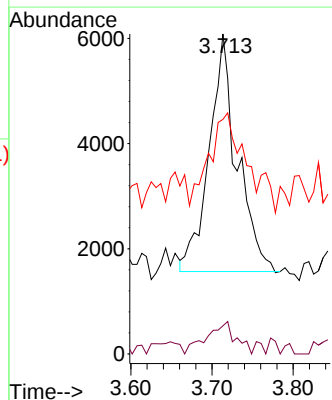
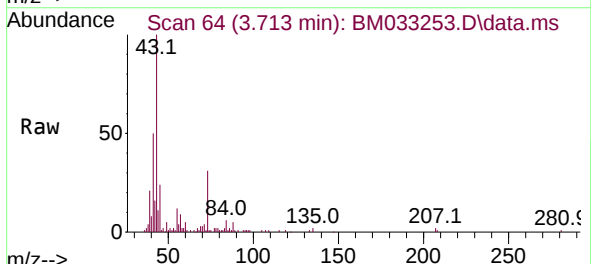
Instrument :
BNA_M
ClientSampleId :
RRT-01

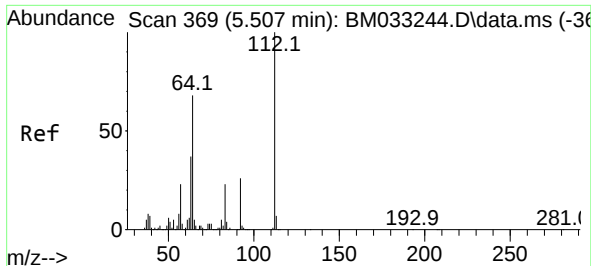
Tgt Ion:152 Resp: 136612
Ion Ratio Lower Upper
152 100
150 153.9 122.4 183.6
115 58.7 53.8 80.8



#4
n-Nitrosodimethylamine
Concen: 2.362 ng
RT: 3.713 min Scan# 64
Delta R.T. -0.024 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 42 Resp: 10748
Ion Ratio Lower Upper
42 100
74 8.8 99.5 149.3#
44 73.3 57.3 85.9

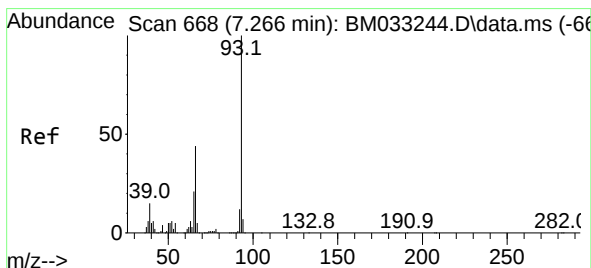
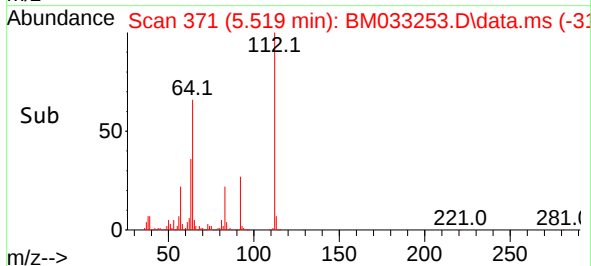
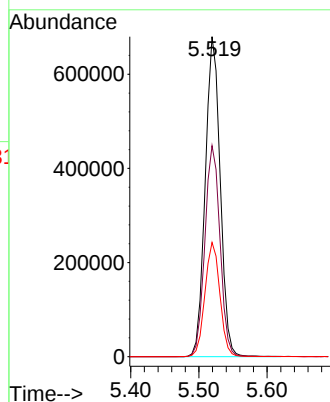
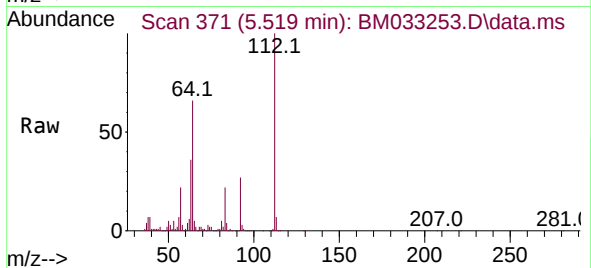




#5
2-Fluorophenol
Concen: 125.706 ng
RT: 5.519 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

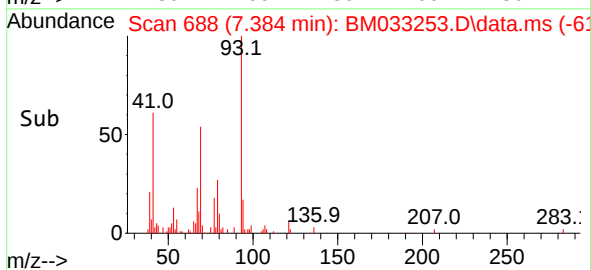
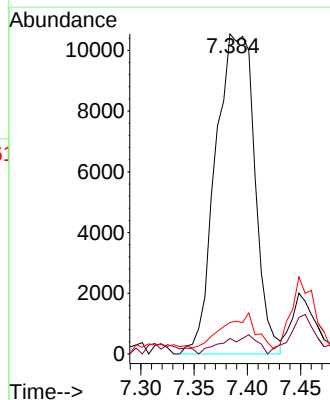
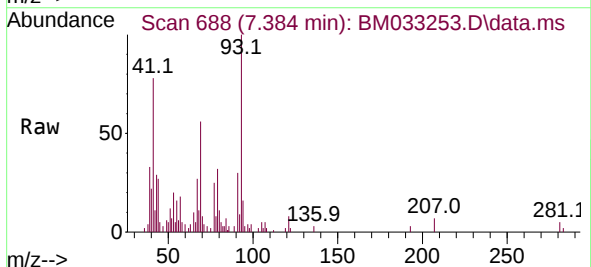
Instrument :
BNA_M
ClientSampleId :
RRT-01

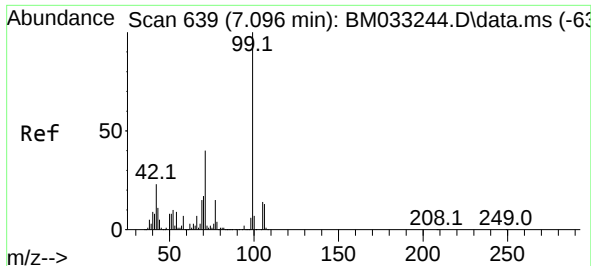
Tgt Ion:112 Resp: 1039917
Ion Ratio Lower Upper
112 100
64 65.9 53.7 80.5
63 35.7 33.9 50.9



#6
Aniline
Concen: 2.158 ng
RT: 7.384 min Scan# 688
Delta R.T. 0.118 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 93 Resp: 26925
Ion Ratio Lower Upper
93 100
66 4.8 35.3 52.9#
65 9.9 18.7 28.1#

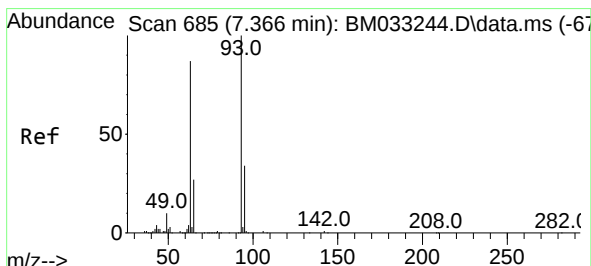
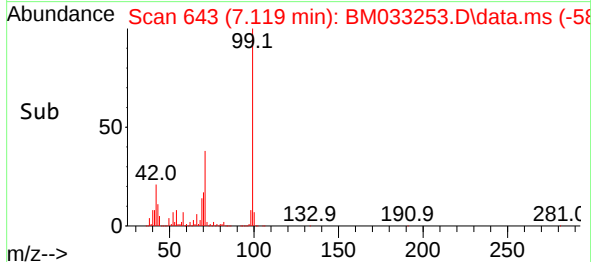
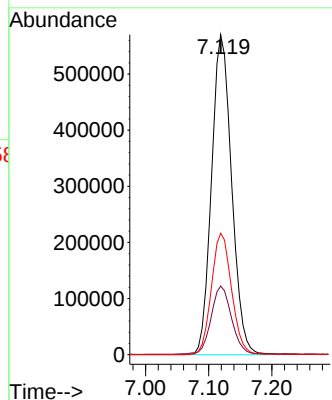
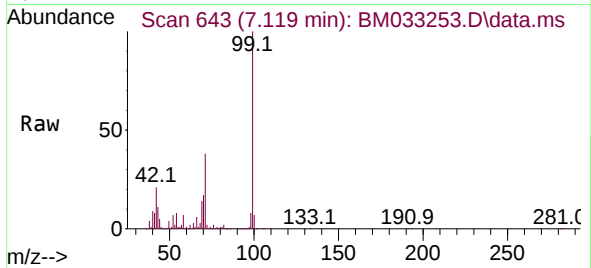




#7
Phenol-d6
Concen: 113.661 ng
RT: 7.119 min Scan# 643
Delta R.T. 0.023 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

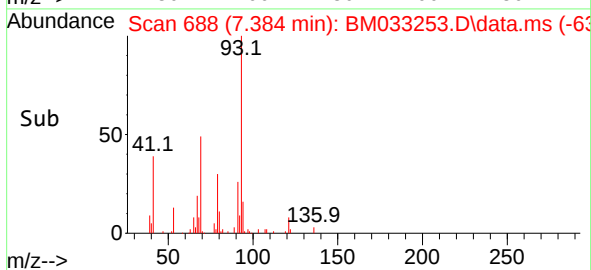
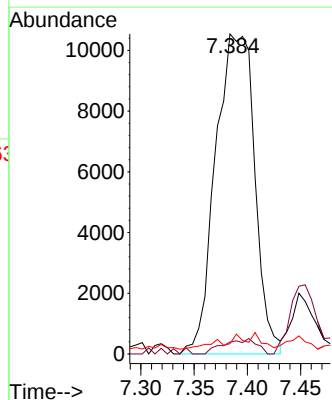
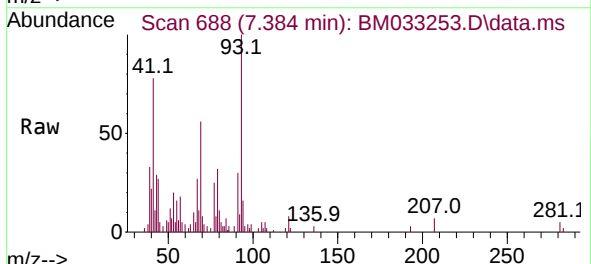
Instrument :
BNA_M
ClientSampleId :
RRT-01

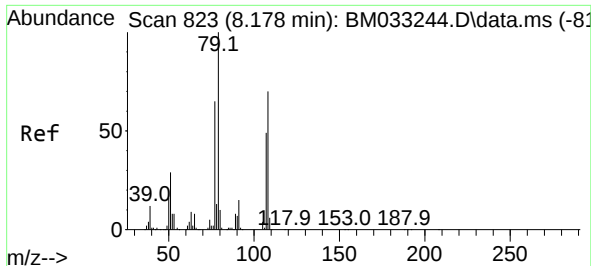
Tgt Ion: 99 Resp: 1259295
Ion Ratio Lower Upper
99 100
42 21.5 23.0 34.6#
71 37.9 37.8 56.8



#11
bis(2-Chloroethyl)ether
Concen: 3.141 ng
RT: 7.384 min Scan# 688
Delta R.T. 0.018 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 93 Resp: 26925
Ion Ratio Lower Upper
93 100
63 3.7 63.7 103.7#
95 3.2 12.4 52.4#

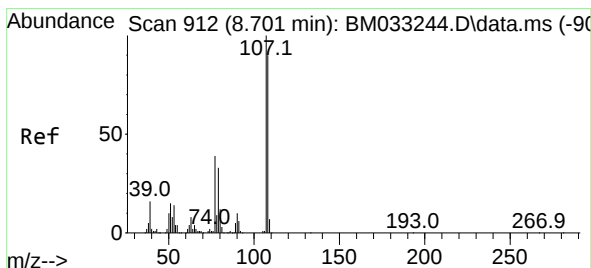
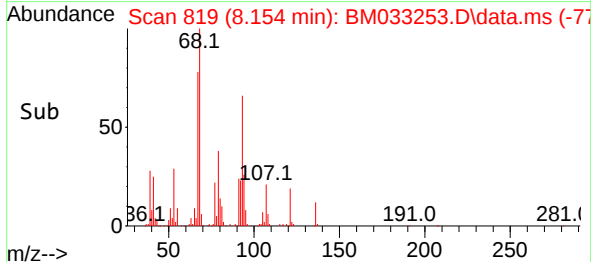
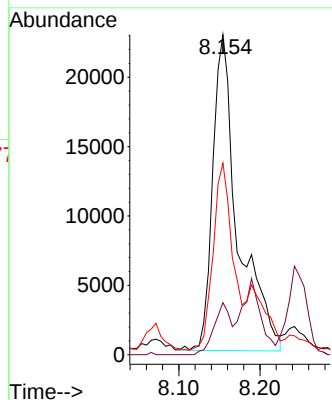
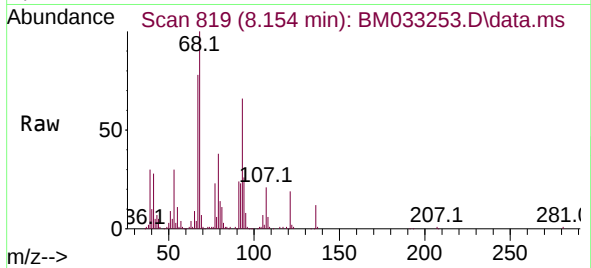




#15
Benzyl Alcohol
Concen: 5.739 ng
RT: 8.154 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

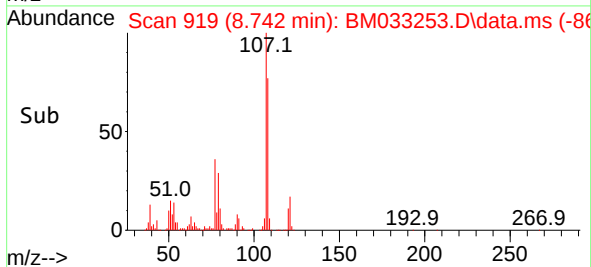
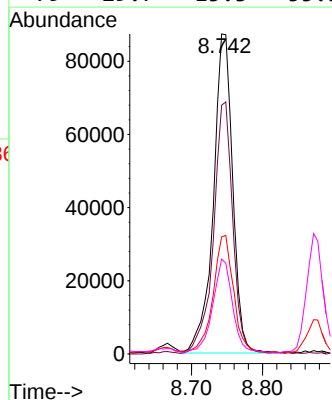
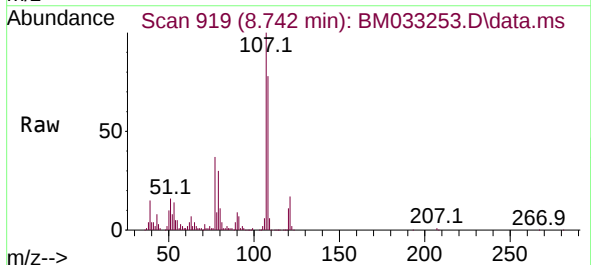
Instrument :
BNA_M
ClientSampleId :
RRT-01

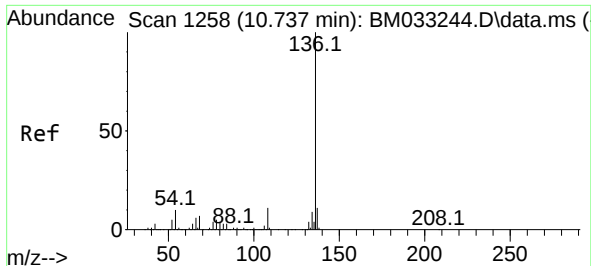
Tgt Ion: 79 Resp: 49480
Ion Ratio Lower Upper
79 100
108 16.2 53.6 80.4#
77 59.9 57.7 86.5



#20
3+4-Methylphenols
Concen: 16.487 ng
RT: 8.742 min Scan# 919
Delta R.T. 0.041 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 107 Resp: 165176
Ion Ratio Lower Upper
107 100
108 77.8 67.6 107.6
77 36.6 21.9 61.9
79 29.7 15.3 55.3

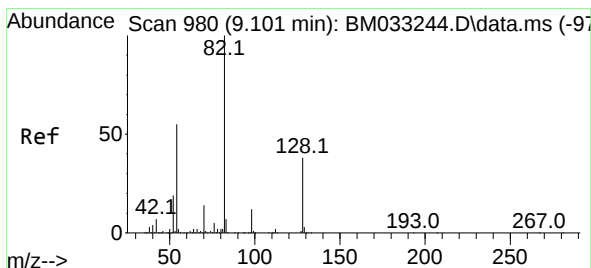
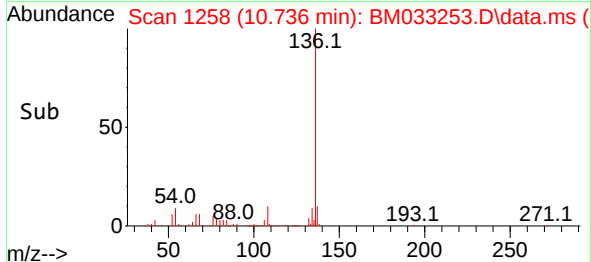
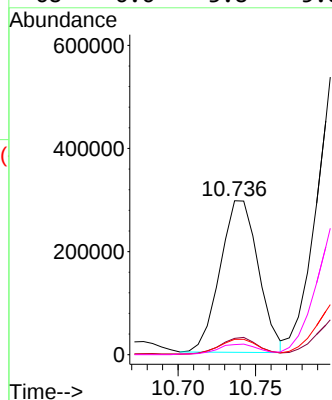
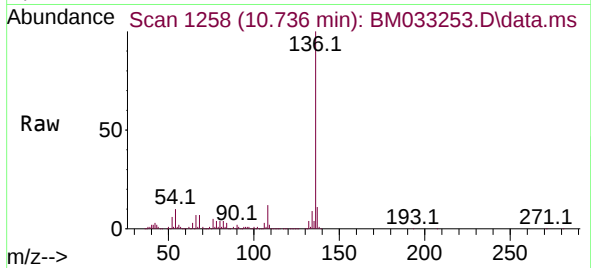




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.736 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

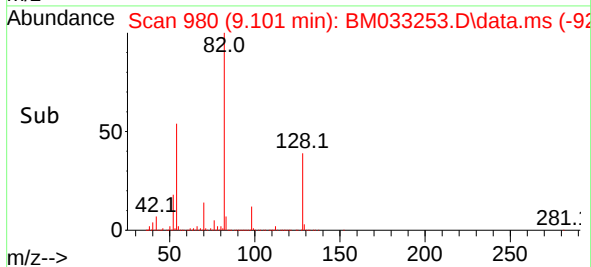
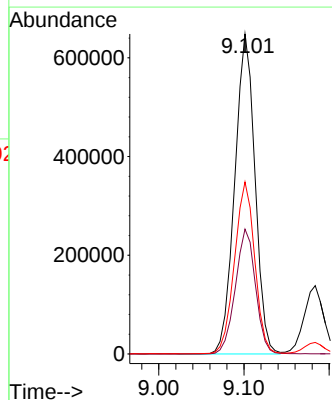
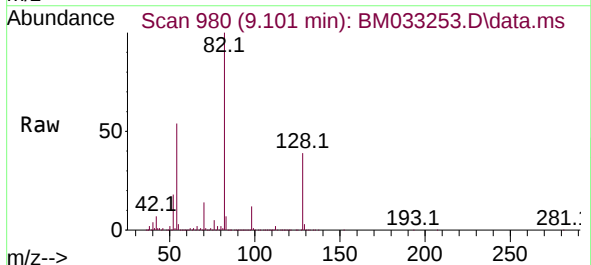
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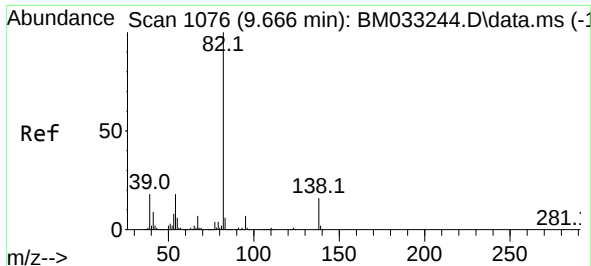
Tgt Ion:136 Resp: 504613
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 10.0 7.4 11.0
68 6.6 3.8 5.8#



#23
Nitrobenzene-d5
Concen: 98.514 ng
RT: 9.101 min Scan# 980
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 82 Resp: 1070828
Ion Ratio Lower Upper
82 100
128 39.0 29.0 43.6
54 53.8 45.8 68.8

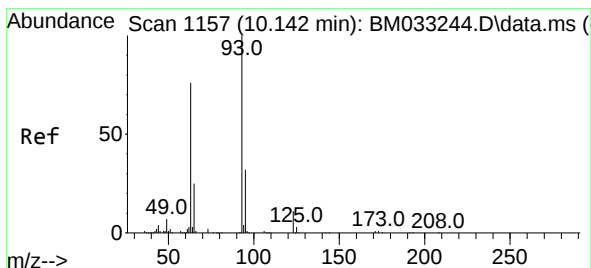
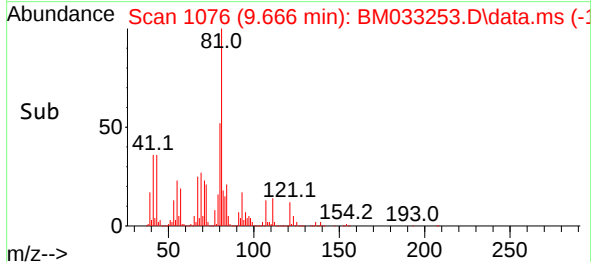
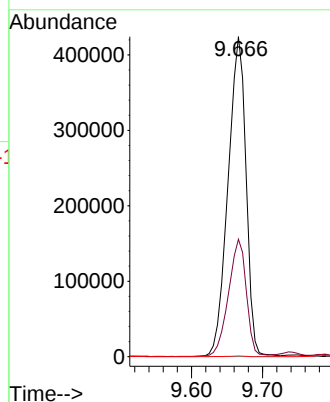
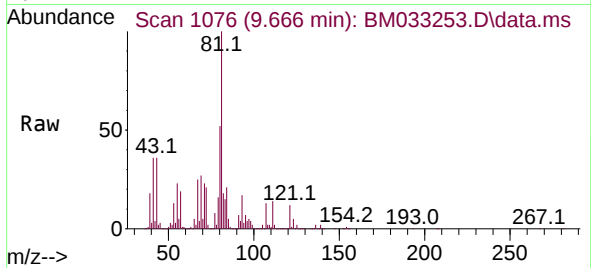




#25
Isophorone
Concen: 43.920 ng
RT: 9.666 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

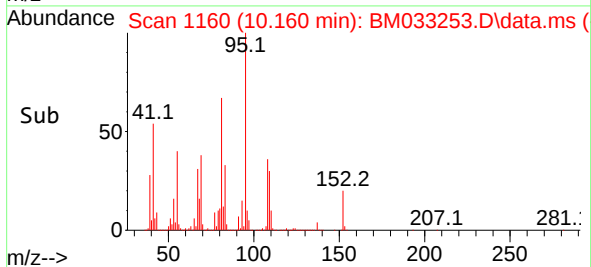
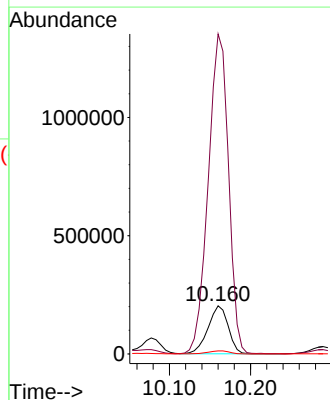
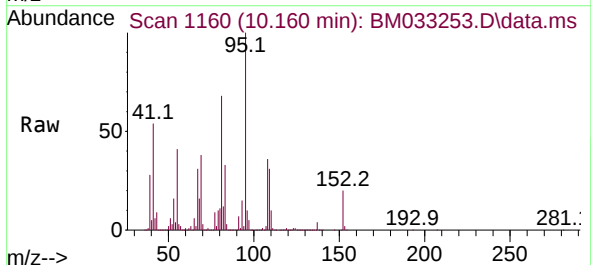
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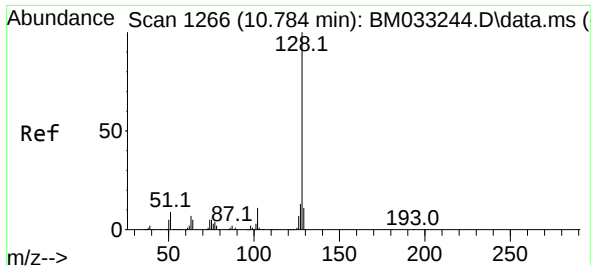
Tgt Ion: 82 Resp: 746591
Ion Ratio Lower Upper
82 100
95 36.7 6.4 9.6#
138 0.2 12.4 18.6#



#28
bis(2-Chloroethoxy)methane
Concen: 31.698 ng
RT: 10.160 min Scan# 1160
Delta R.T. 0.018 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion: 93 Resp: 351043
Ion Ratio Lower Upper
93 100
95 664.4 25.8 38.8#
123 6.3 8.8 13.2#

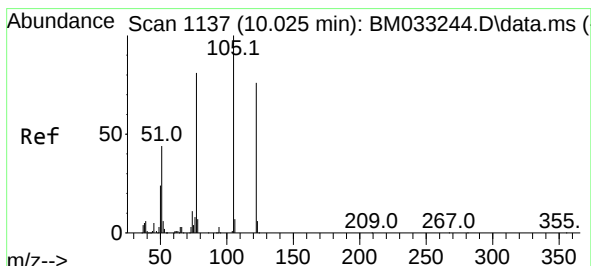
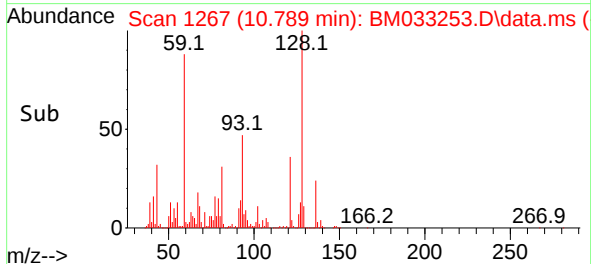
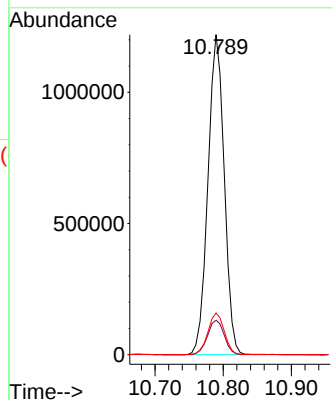
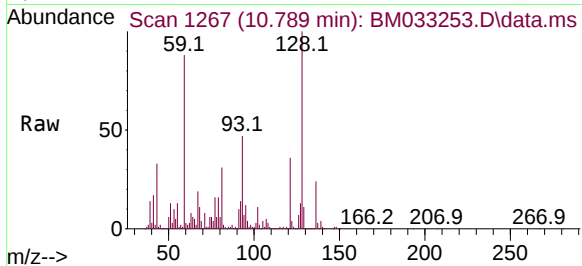




#31
Naphthalene
Concen: 76.058 ng
RT: 10.789 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

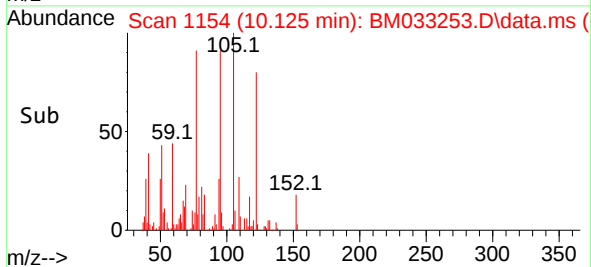
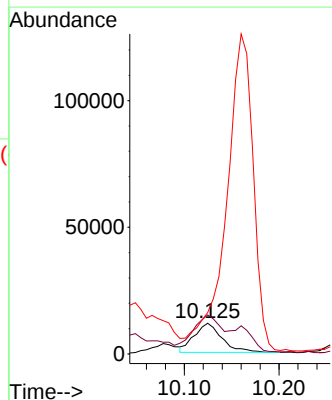
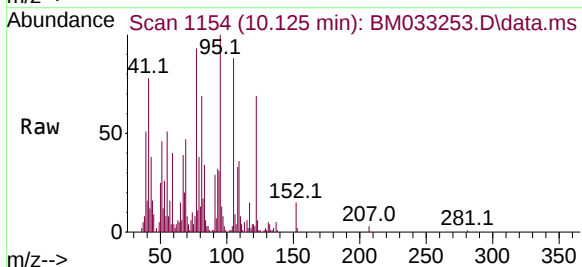
Instrument :
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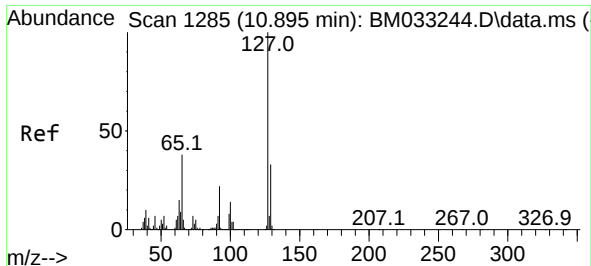
Tgt Ion:128 Resp: 2024550
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.4 15.6



#32
Benzoic acid
Concen: 10.023 ng
RT: 10.125 min Scan# 1154
Delta R.T. 0.100 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:122 Resp: 23332
Ion Ratio Lower Upper
122 100
105 127.3 120.3 160.3
77 134.8 100.0 140.0

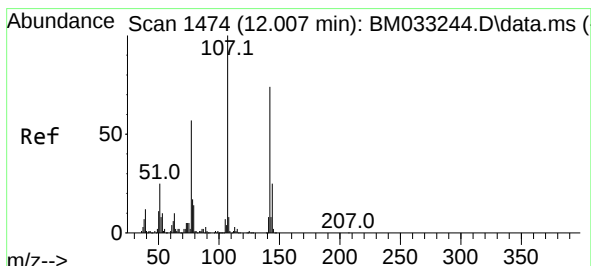
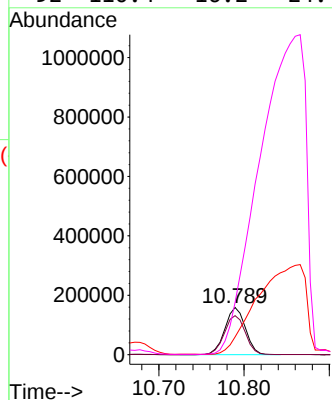
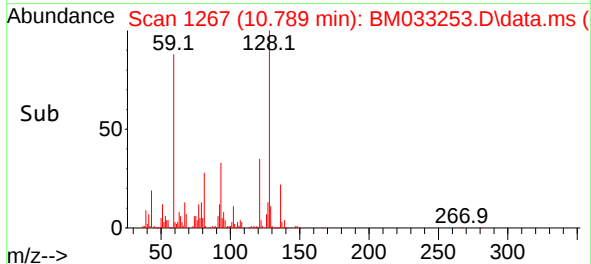
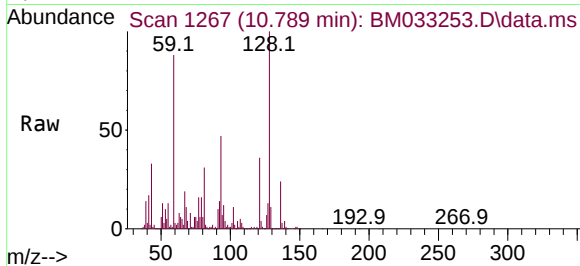




#33
4-Chloroaniline
Concen: 25.950 ng
RT: 10.789 min Scan# 11
Delta R.T. -0.106 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

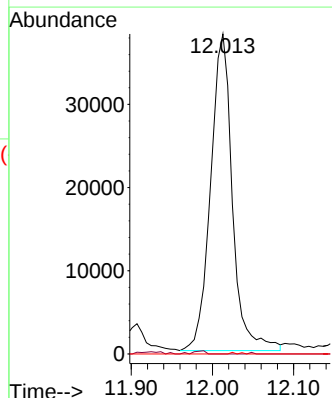
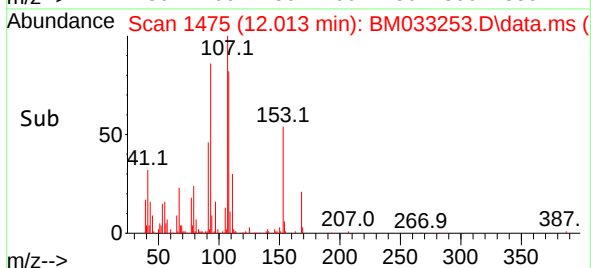
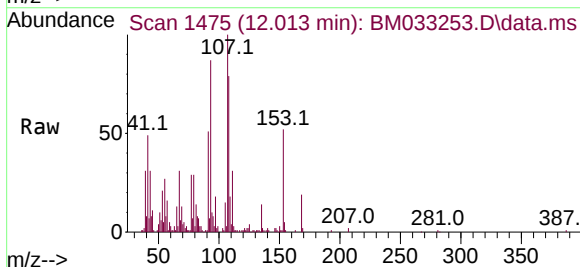
Instrument :
BNA_M
ClientSampleId :
RRT-01

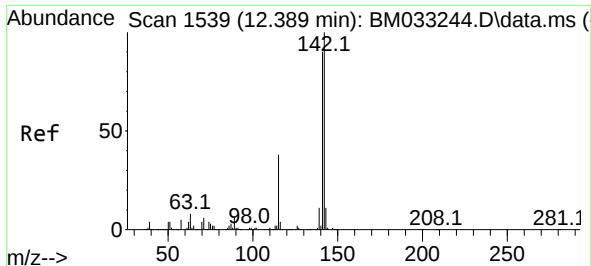
Tgt Ion:127	Resp: 265654
Ion Ratio	Lower Upper
127 100	
129 82.6	25.6 38.4#
65 37.6	30.4 45.6
92 110.4	16.2 24.4#



#36
4-Chloro-3-methylphenol
Concen: 8.282 ng
RT: 12.013 min Scan# 1475
Delta R.T. 0.006 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:107	Resp: 71145
Ion Ratio	Lower Upper
107 100	
144 0.0	19.3 28.9#
142 0.0	60.5 90.7#





#37

2-Methylnaphthalene

Concen: 6.621 ng

RT: 12.613 min Scan# 1577

Delta R.T. 0.223 min

Lab File: BM033253.D

Acq: 24 Nov 2021 18:48

Instrument :

BNA_M

ClientSampleId :

RRT-01

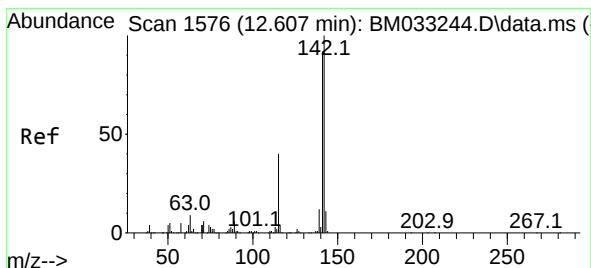
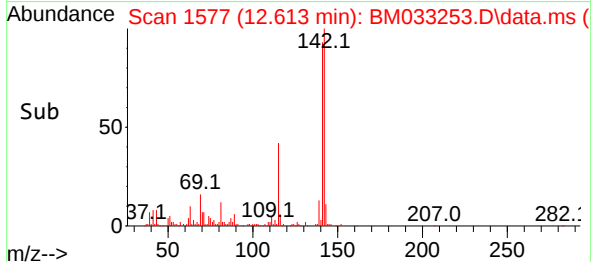
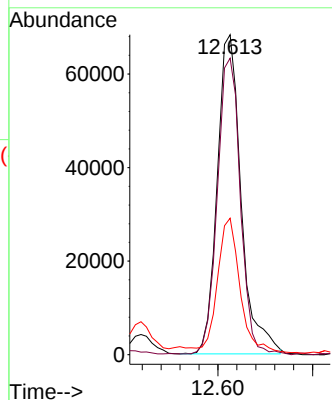
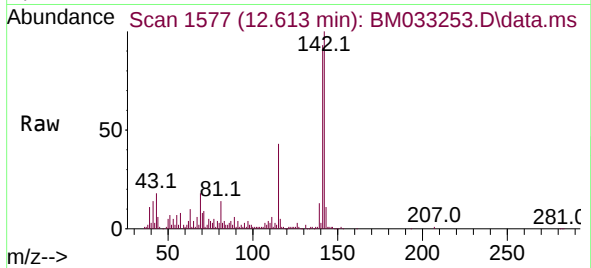
Tgt Ion:142 Resp: 119979

Ion Ratio Lower Upper

142 100

141 92.6 71.8 107.6

115 42.7 36.3 54.5



#38

1-Methylnaphthalene

Concen: 6.862 ng

RT: 12.613 min Scan# 1577

Delta R.T. 0.006 min

Lab File: BM033253.D

Acq: 24 Nov 2021 18:48

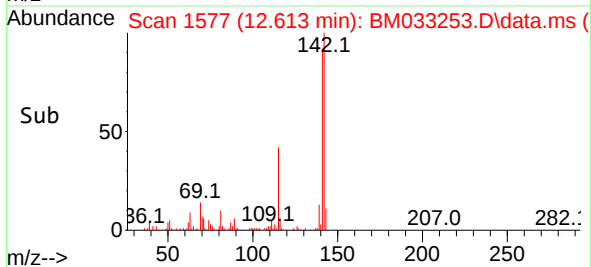
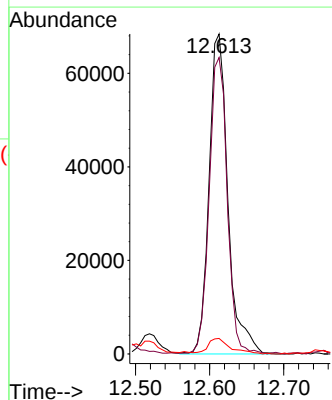
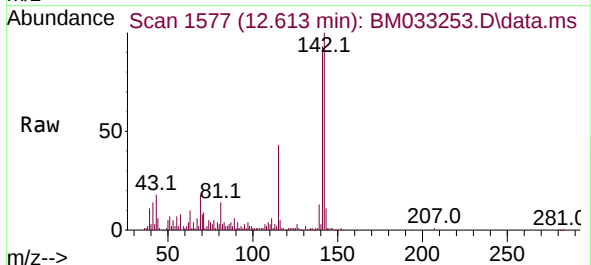
Tgt Ion:142 Resp: 121319

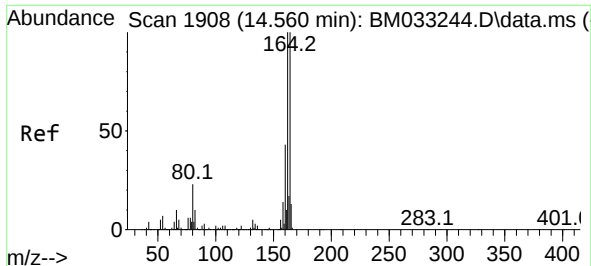
Ion Ratio Lower Upper

142 100

141 92.6 75.6 113.4

116 4.8 4.0 6.0

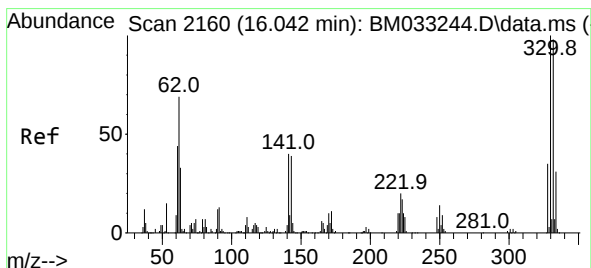
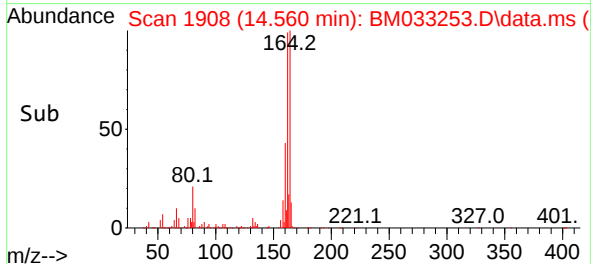
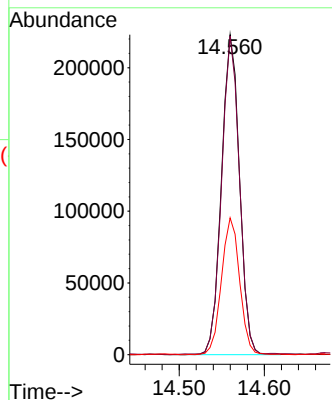
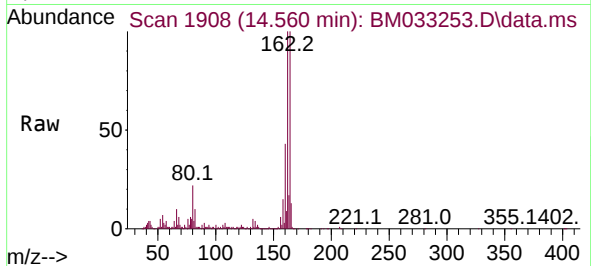




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

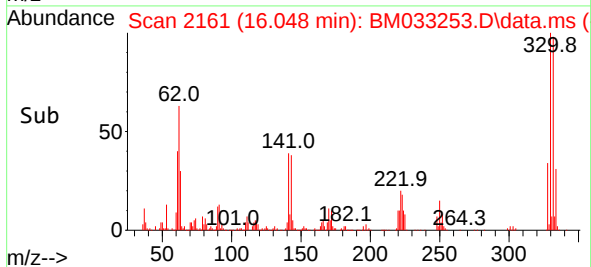
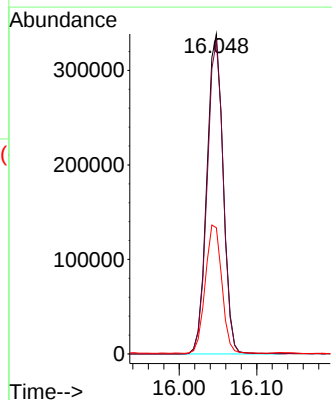
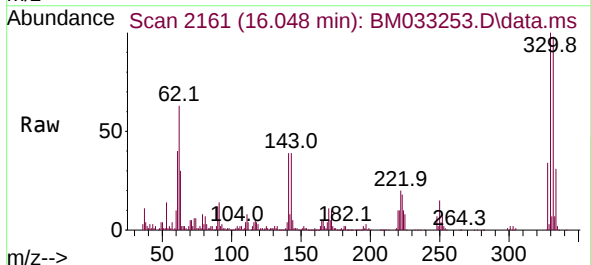
Instrument :
BNA_M
ClientSampleId :
RRT-01

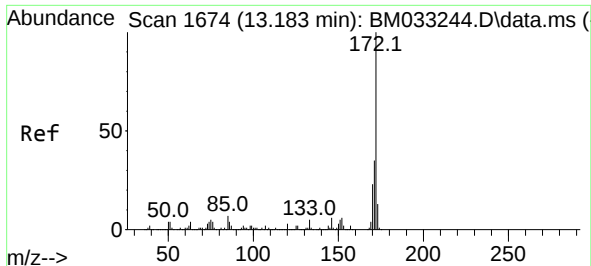
Tgt Ion:164 Resp: 327503
Ion Ratio Lower Upper
164 100
162 99.6 80.6 121.0
160 42.8 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 138.280 ng
RT: 16.048 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:330 Resp: 493672
Ion Ratio Lower Upper
330 100
332 96.8 75.7 113.5
141 40.8 50.7 76.1#

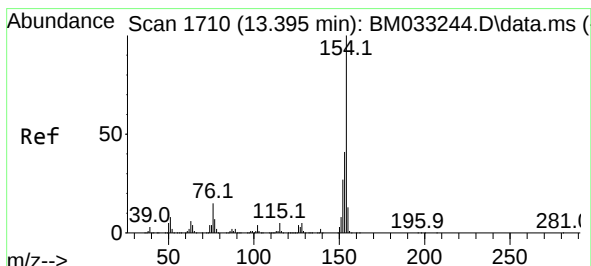
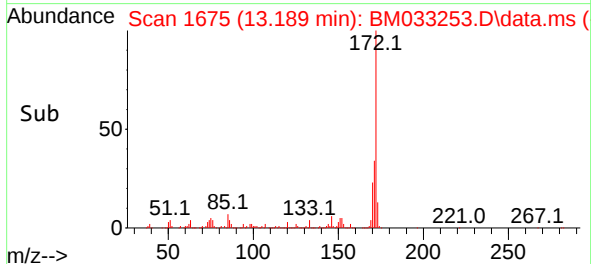
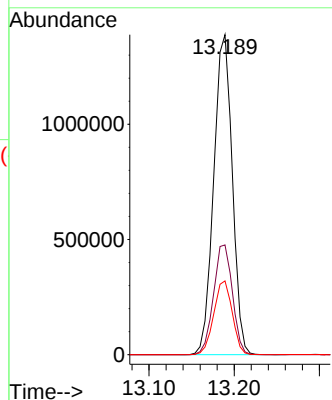
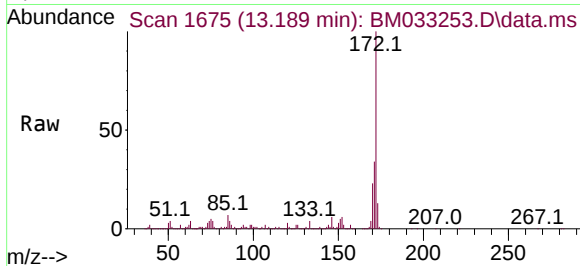




#45
2-Fluorobiphenyl
Concen: 90.527 ng
RT: 13.189 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

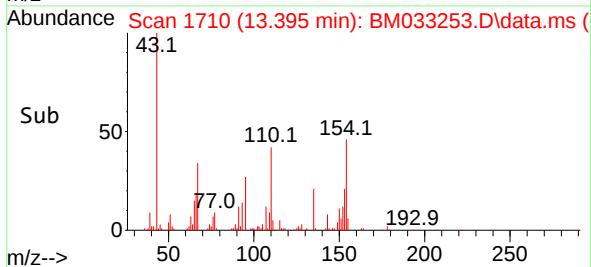
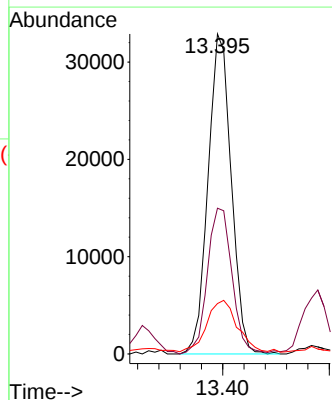
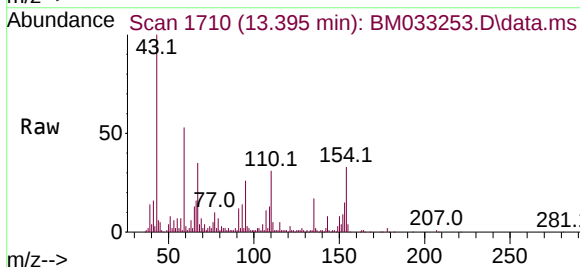
Instrument :
BNA_M
ClientSampleId :
RRT-01

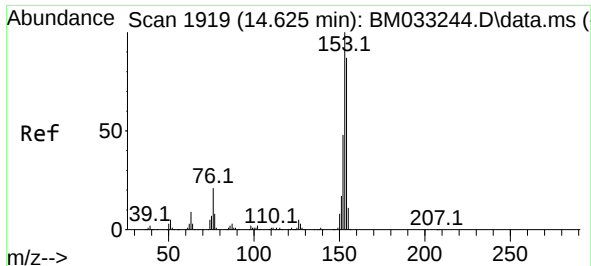
Tgt Ion:172 Resp: 2102226
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.0 18.6 27.8



#46
1,1'-Biphenyl
Concen: 2.020 ng
RT: 13.395 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:154 Resp: 49731
Ion Ratio Lower Upper
154 100
153 45.5 20.3 60.3
76 15.7 0.0 33.5

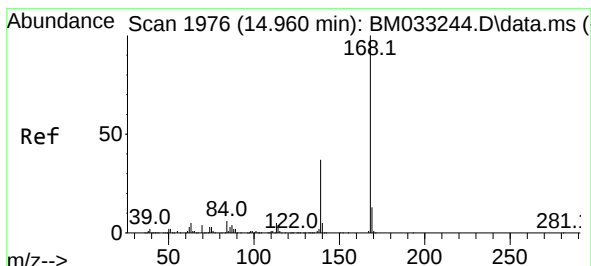
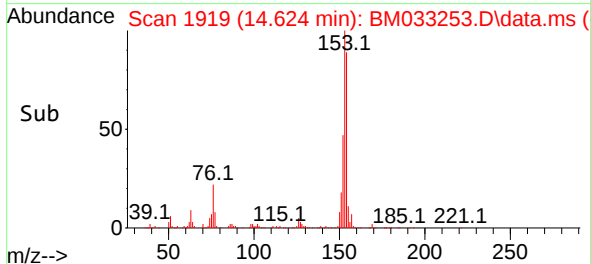
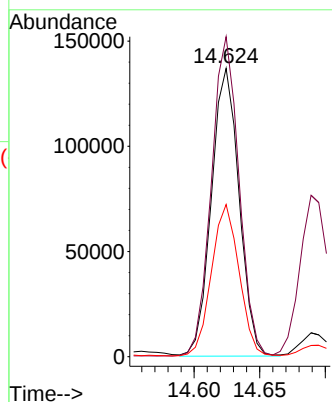
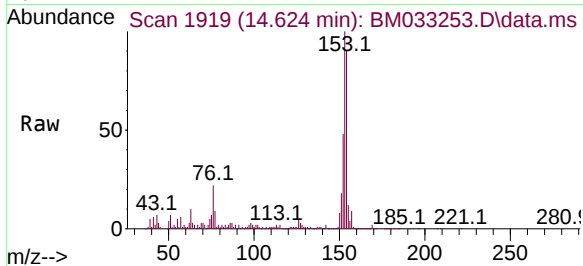




#52
Acenaphthene
Concen: 11.130 ng
RT: 14.624 min Scan# 1919
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

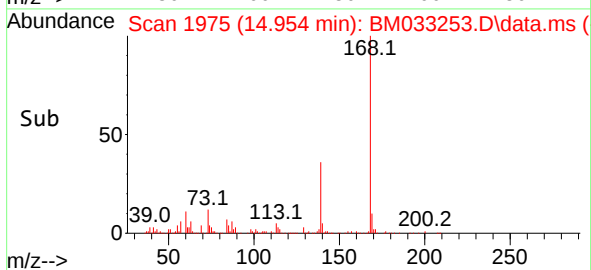
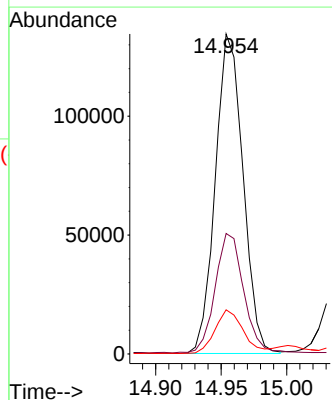
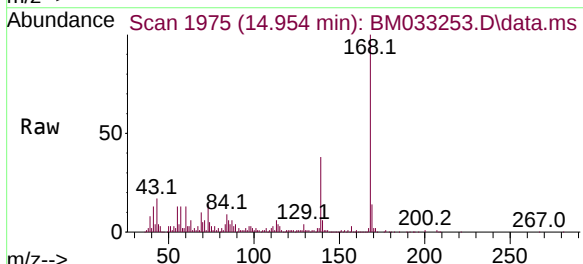
Instrument :
BNA_M
ClientSampleId :
RRT-01

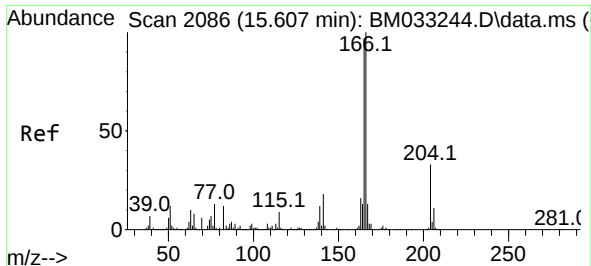
Tgt Ion:154 Resp: 200977
Ion Ratio Lower Upper
154 100
153 111.0 92.4 138.6
152 52.8 43.7 65.5



#55
Dibenzofuran
Concen: 6.554 ng
RT: 14.954 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:168 Resp: 196787
Ion Ratio Lower Upper
168 100
139 37.7 35.0 52.4
169 13.8 10.8 16.2

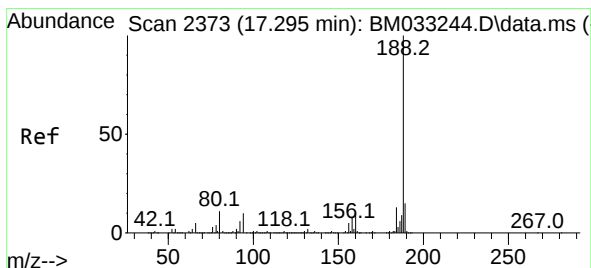
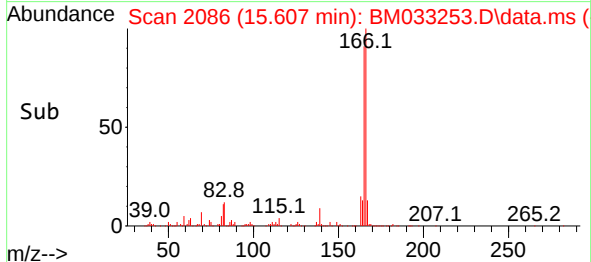
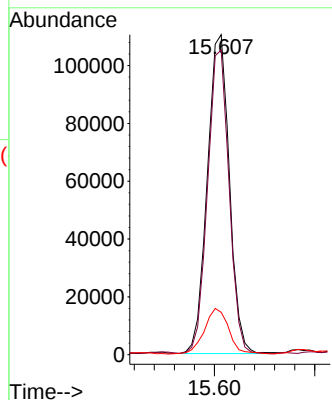
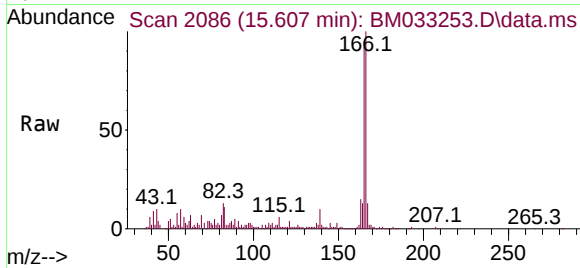




#58
 Fluorene
 Concen: 7.191 ng
 RT: 15.607 min Scan# 2086
 Delta R.T. -0.000 min
 Lab File: BM033253.D
 Acq: 24 Nov 2021 18:48

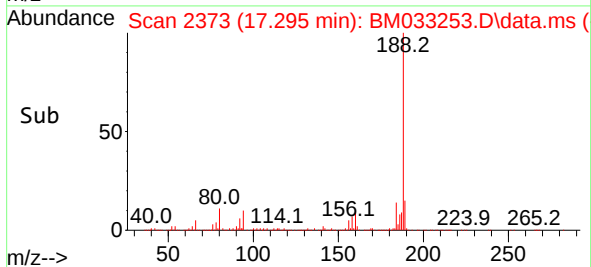
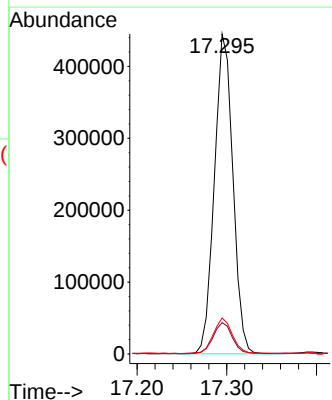
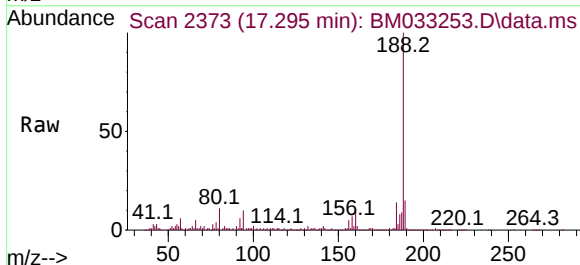
Instrument :
 BNA_M
 ClientSampleId :
 RRT-01

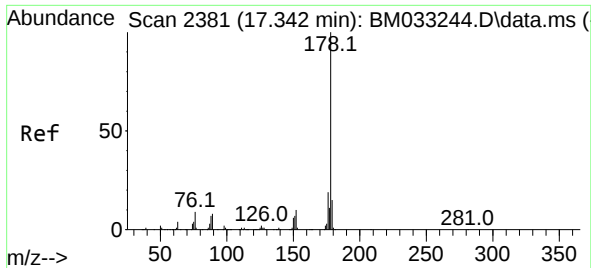
Tgt Ion:166 Resp: 169067
 Ion Ratio Lower Upper
 166 100
 165 95.2 79.3 118.9
 167 13.3 10.6 16.0



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.295 min Scan# 2373
 Delta R.T. -0.000 min
 Lab File: BM033253.D
 Acq: 24 Nov 2021 18:48

Tgt Ion:188 Resp: 635753
 Ion Ratio Lower Upper
 188 100
 94 9.8 6.3 9.5#
 80 11.3 7.3 10.9#

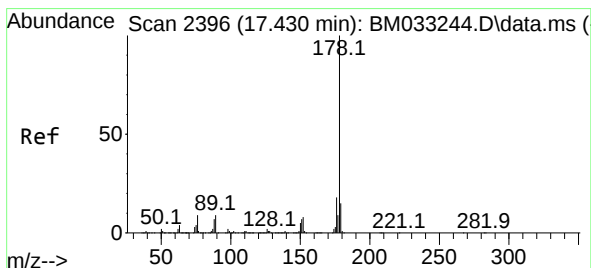
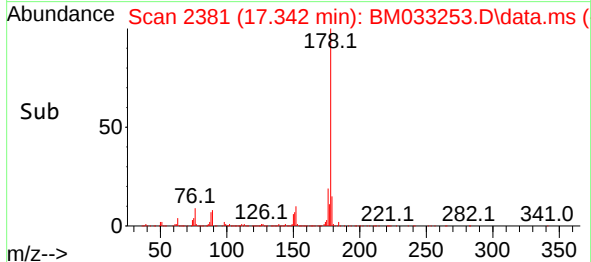
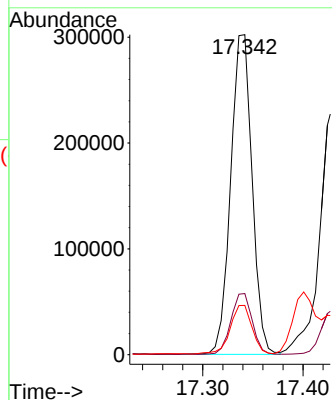
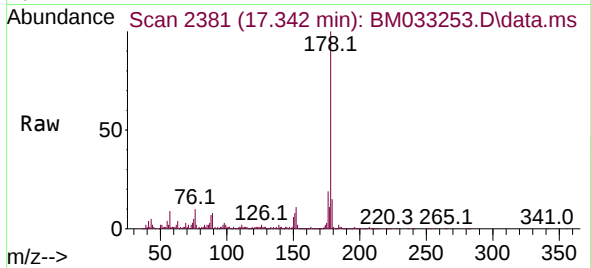




#71
Phenanthrene
Concen: 12.814 ng
RT: 17.342 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

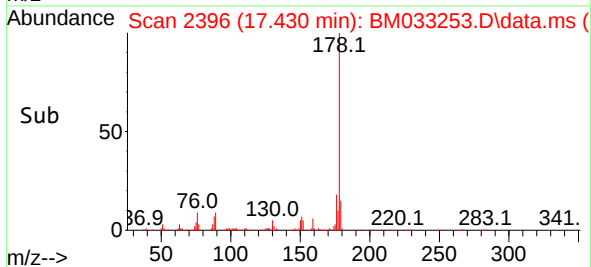
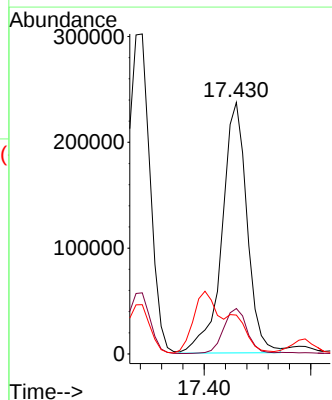
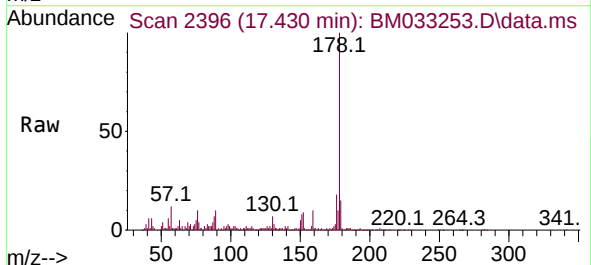
Instrument :
BNA_M
ClientSampleId :
RRT-01

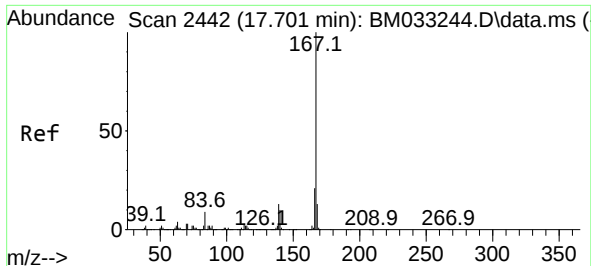
Tgt Ion:178 Resp: 447782
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.4 12.4 18.6



#72
Anthracene
Concen: 11.441 ng
RT: 17.430 min Scan# 2396
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:178 Resp: 385694
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.5 12.3 18.5

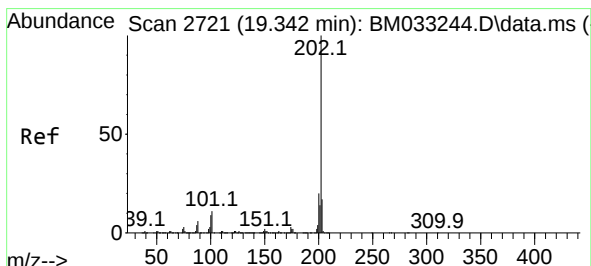
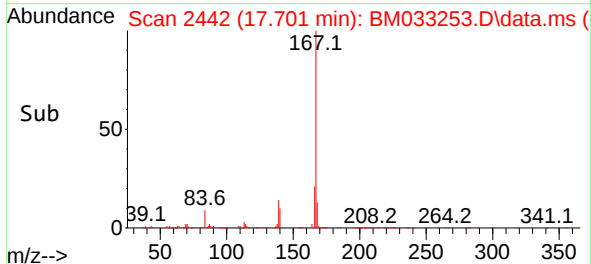
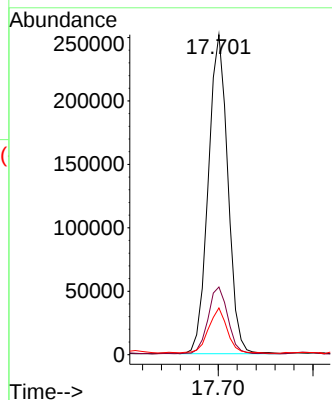
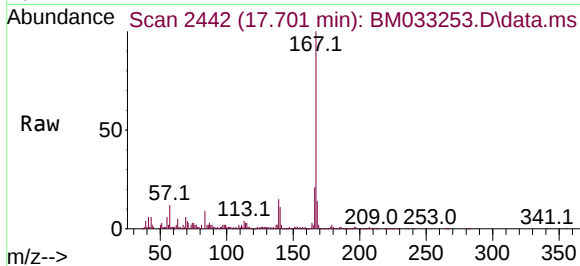




#73
 Carbazole
 Concen: 10.728 ng
 RT: 17.701 min Scan# 2442
 Delta R.T. -0.000 min
 Lab File: BM033253.D
 Acq: 24 Nov 2021 18:48

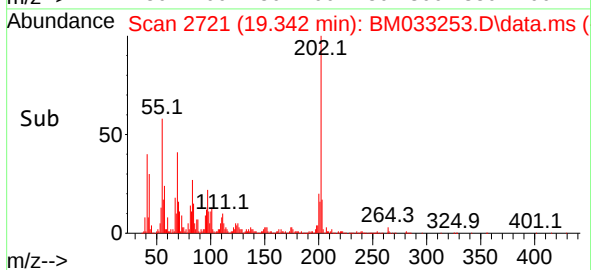
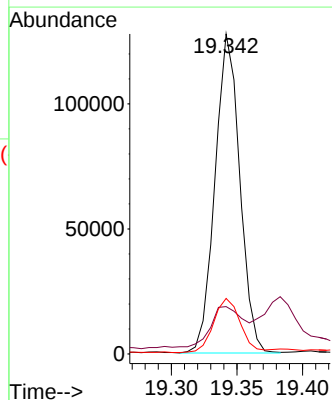
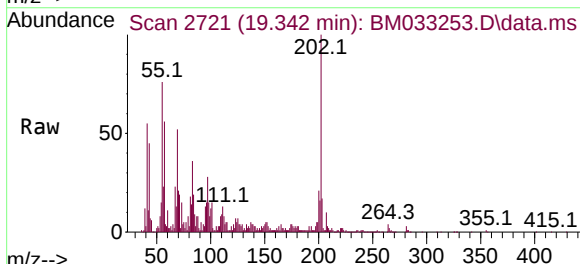
Instrument :
 BNA_M
 ClientSampleId :
 RRT-01

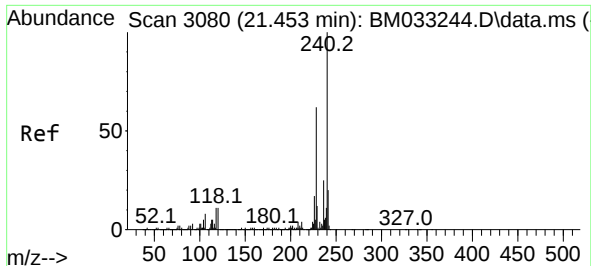
Tgt Ion:167 Resp: 359810
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 14.6 11.9 17.9



#75
 Fluoranthene
 Concen: 4.171 ng
 RT: 19.342 min Scan# 2721
 Delta R.T. -0.000 min
 Lab File: BM033253.D
 Acq: 24 Nov 2021 18:48

Tgt Ion:202 Resp: 167490
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 29.9
 203 17.3 0.0 36.8

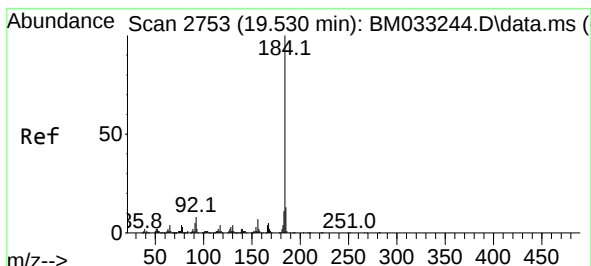
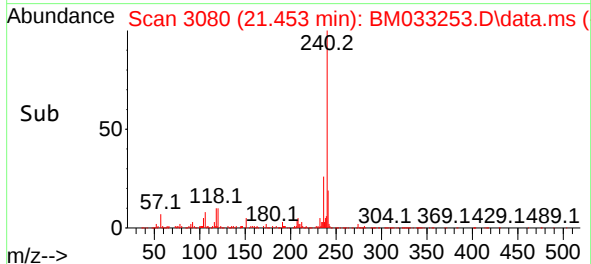
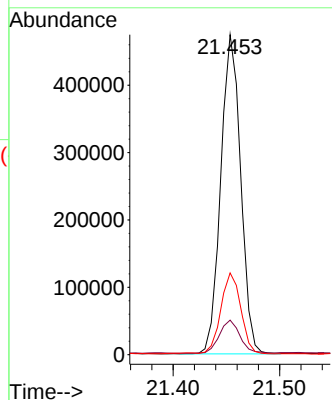
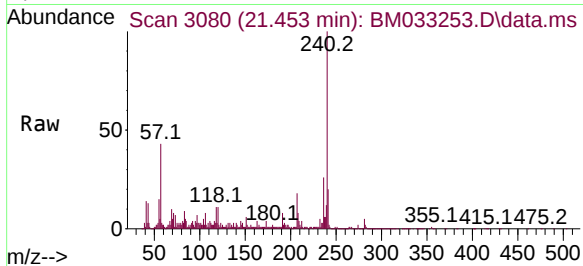




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

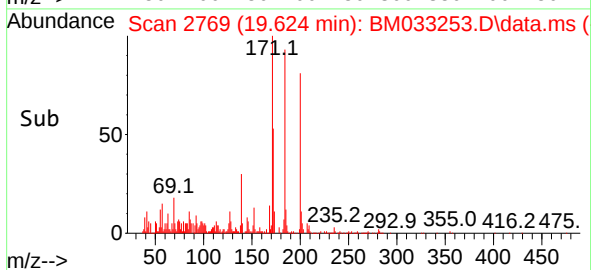
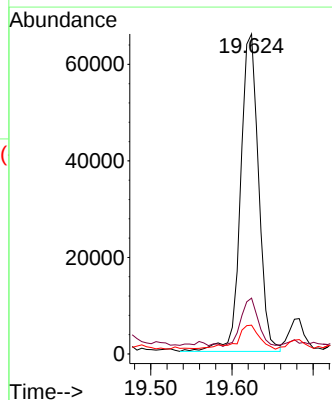
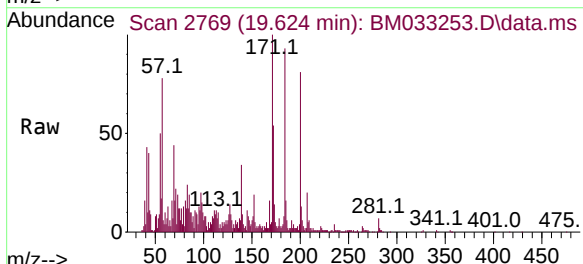
Instrument :
BNA_M
ClientSampleId :
RRT-01

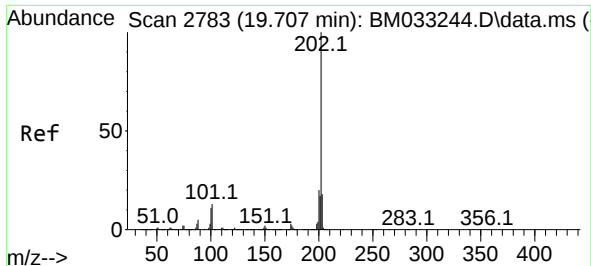
Tgt Ion:240 Resp: 614718
Ion Ratio Lower Upper
240 100
120 10.8 7.8 11.6
236 25.5 20.9 31.3



#77
Benzidine
Concen: 14.684 ng
RT: 19.624 min Scan# 2769
Delta R.T. 0.094 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:184 Resp: 101485
Ion Ratio Lower Upper
184 100
185 17.5 10.6 16.0#
183 9.0 9.0 13.4

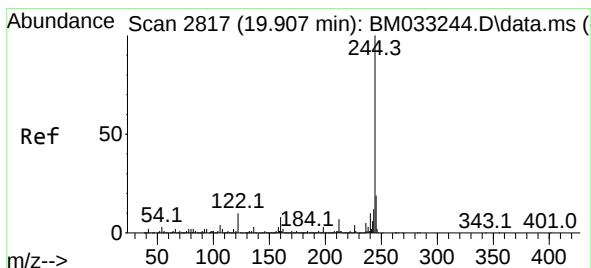
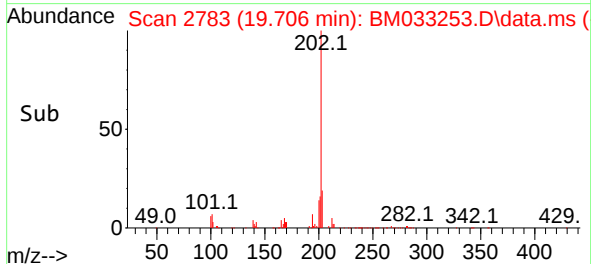
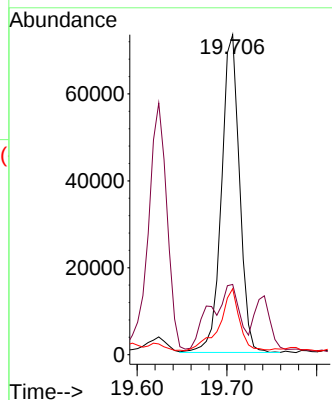
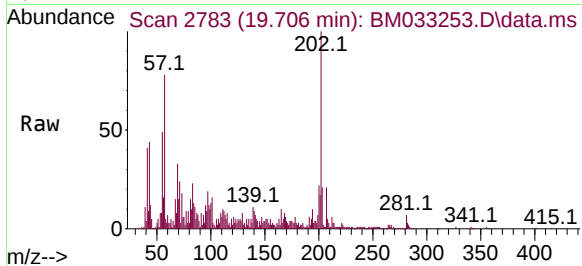




#78
Pyrene
Concen: 2.519 ng
RT: 19.706 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

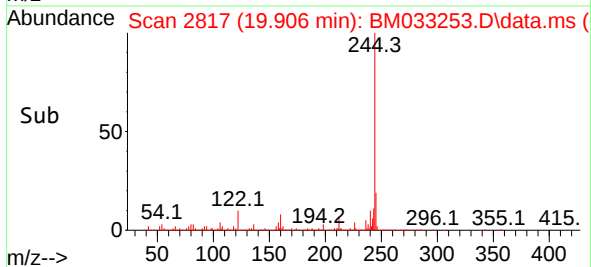
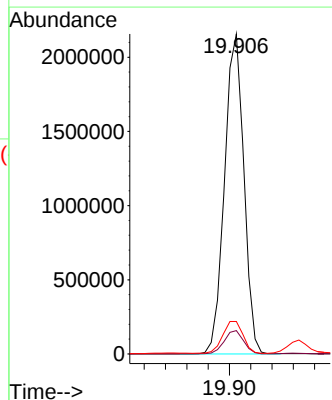
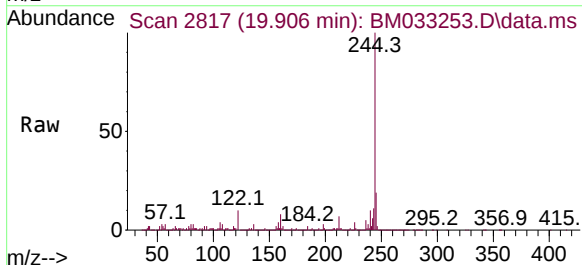
Instrument :
BNA_M
ClientSampleId :
RRT-01

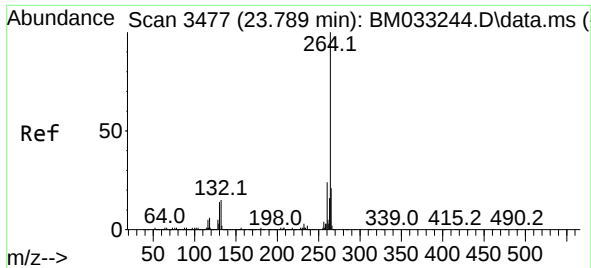
Tgt Ion:202 Resp: 101925
Ion Ratio Lower Upper
202 100
200 22.0 16.6 25.0
203 20.6 13.7 20.5#



#79
Terphenyl-d14
Concen: 87.199 ng
RT: 19.906 min Scan# 2817
Delta R.T. -0.000 min
Lab File: BM033253.D
Acq: 24 Nov 2021 18:48

Tgt Ion:244 Resp: 2710800
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 10.1 8.7 13.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.794 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: BM033253.D
 Acq: 24 Nov 2021 18:48

Instrument :
 BNA_M
 ClientSampleId :
 RRT-01

Tgt Ion:264 Resp: 639469
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.3 28.9
 265 22.5 18.3 27.5

