

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034389.D
 Acq On : 25 Mar 2022 17:46
 Operator : CG/JU
 Sample : N2061-01DL2 500X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RW-1-20220321-16.0-17.0DL2

Quant Time: Mar 26 05:39:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

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

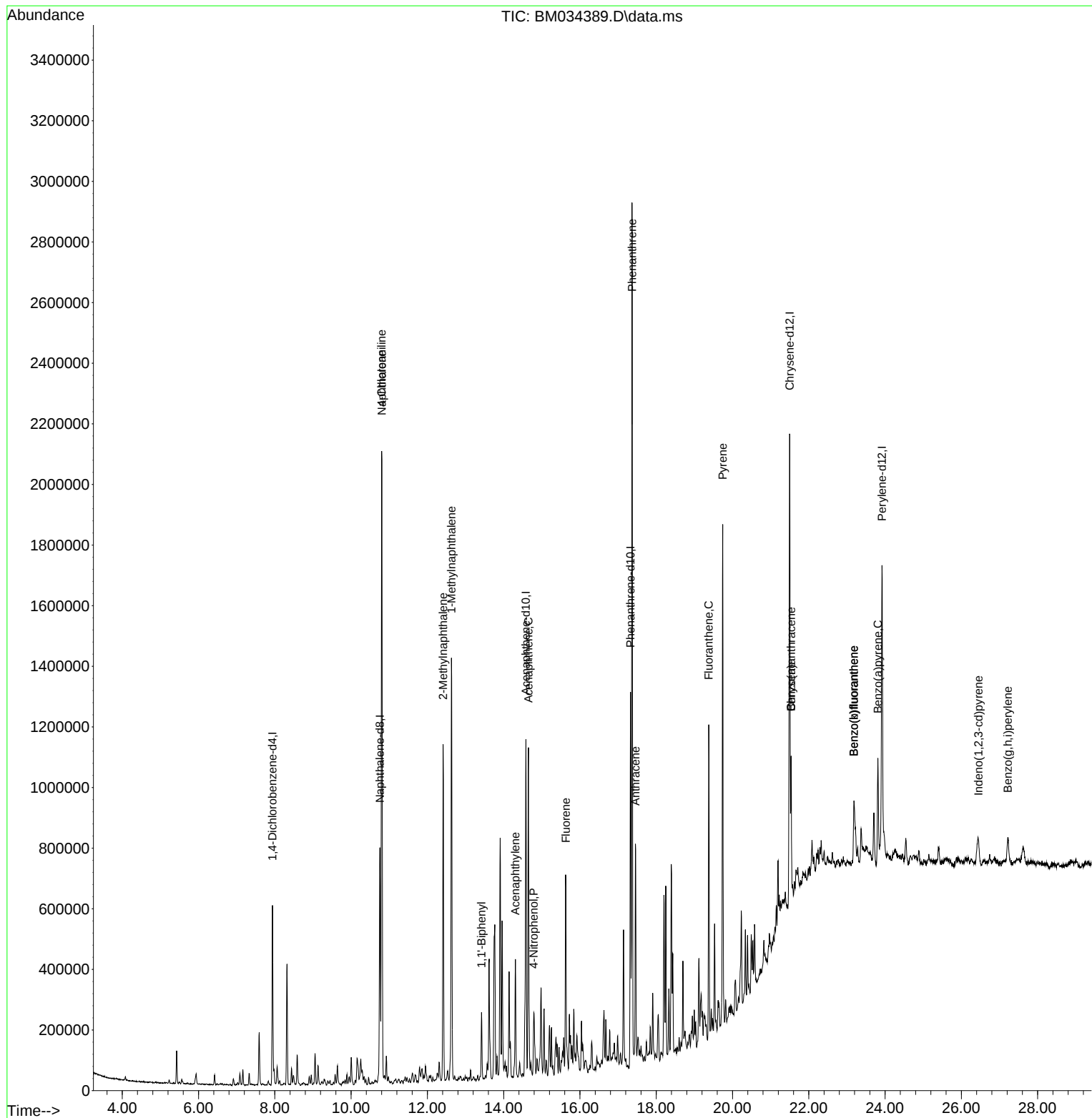
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	157545	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	623973	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	363141	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	695485	20.000	ng	0.00
76) Chrysene-d12	21.500	240	656945	20.000	ng	0.00
86) Perylene-d12	23.918	264	729676	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	1793	0.204	ng	0.00
7) Phenol-d6	7.101	99	2080	0.165	ng	0.00
23) Nitrobenzene-d5	9.107	82	1507	0.118	ng	0.00
42) 2,4,6-Tribromophenol	16.077	330	822	0.168	ng	0.01
45) 2-Fluorobiphenyl	13.207	172	3804	0.143	ng	0.00
79) Terphenyl-d14	19.936	244	7202	0.190	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.807	128	1666408	51.262	ng	100
33) 4-Chloroaniline	10.801	127	217233	16.941	ng	# 31
37) 2-Methylnaphthalene	12.413	142	490876	21.162	ng	99
38) 1-Methylnaphthalene	12.630	142	626928	27.629	ng	100
46) 1,1'-Biphenyl	13.418	154	108602	3.922	ng	98
49) Acenaphthylene	14.307	152	141826	4.281	ng	# 94
52) Acenaphthene	14.648	154	375427	16.825	ng	99
56) 4-Nitrophenol	14.789	139	10522	2.282	ng	# 21
58) Fluorene	15.630	166	283963	10.519	ng	99
71) Phenanthrene	17.365	178	1637036	42.031	ng	99
72) Anthracene	17.459	178	433361	11.431	ng	99
75) Fluoranthene	19.377	202	568010	13.009	ng	98
78) Pyrene	19.742	202	979194	21.156	ng	99
81) Benzo(a)anthracene	21.536	228	240813	5.808	ng	94
83) Chrysene	21.536	228	240813	5.687	ng	97
87) Indeno(1,2,3-cd)pyrene	26.447	276	100669	2.145	ng	97
88) Benzo(b)fluoranthene	23.183	252	263503	6.039	ng	# 96
89) Benzo(k)fluoranthene	23.183	252	263503	5.701	ng	# 97
90) Benzo(a)pyrene	23.812	252	242913	6.567	ng	# 98
92) Benzo(g,h,i)perylene	27.218	276	122834	3.118	ng	98

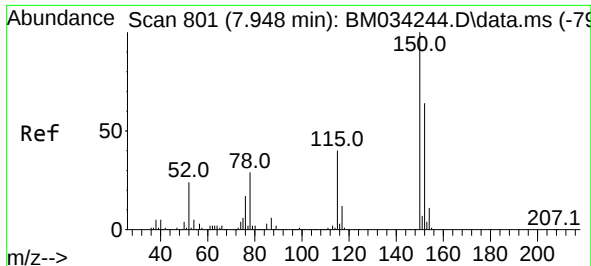
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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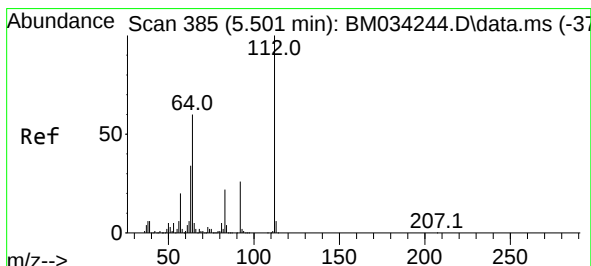
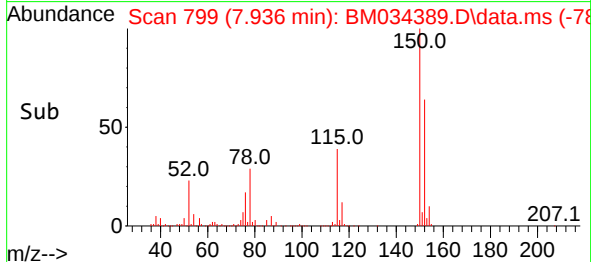
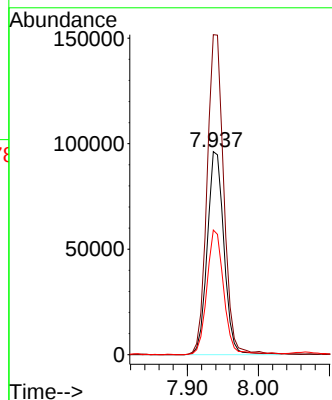
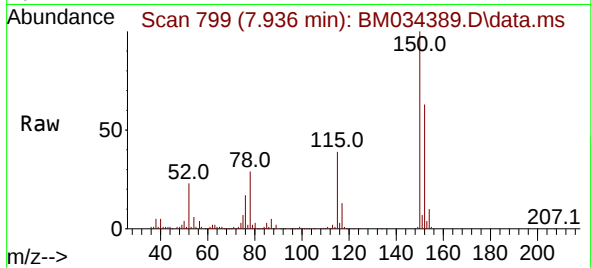




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

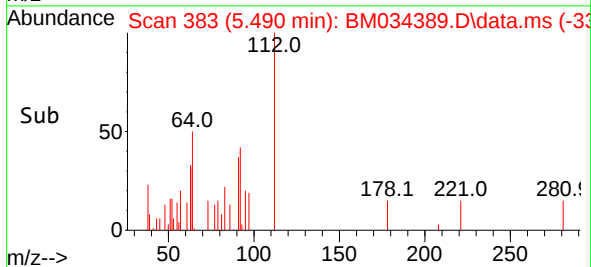
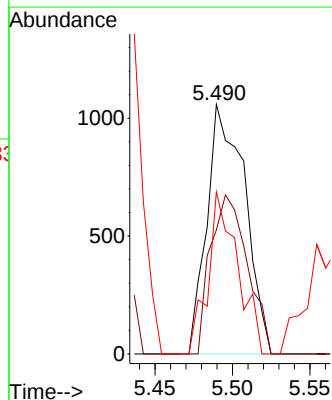
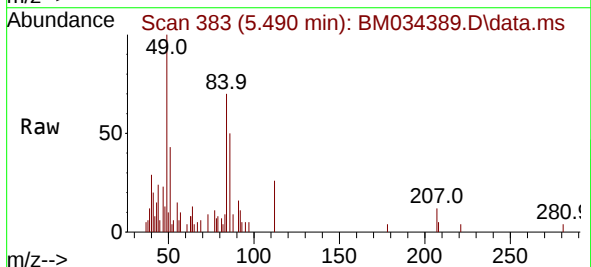
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

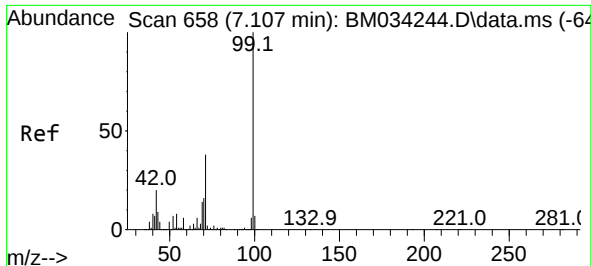
Tgt Ion:152 Resp: 157545
Ion Ratio Lower Upper
152 100
150 157.6 125.4 188.2
115 61.4 50.1 75.1



#5
2-Fluorophenol
Concen: 0.204 ng
RT: 5.490 min Scan# 383
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:112 Resp: 1793
Ion Ratio Lower Upper
112 100
64 49.7 47.9 71.9
63 65.0 27.1 40.7#

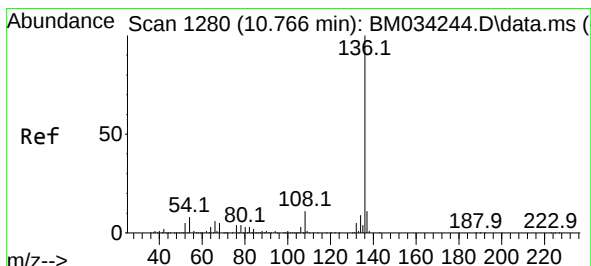
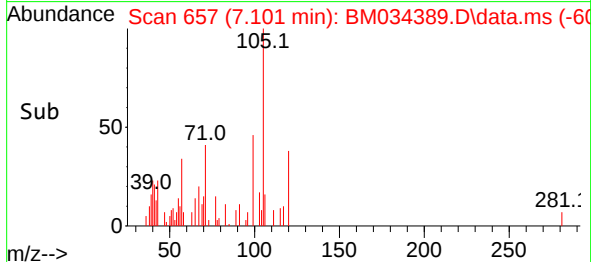
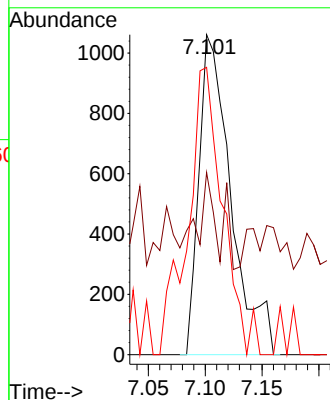
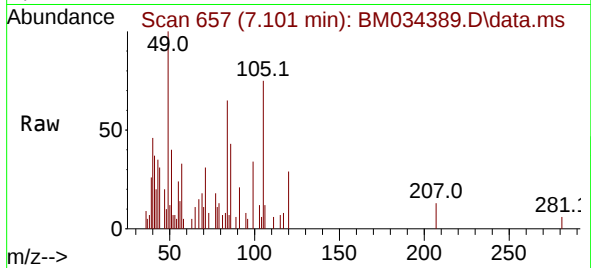




#7
Phenol-d6
Concen: 0.165 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

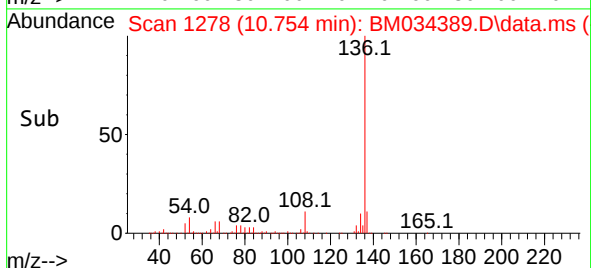
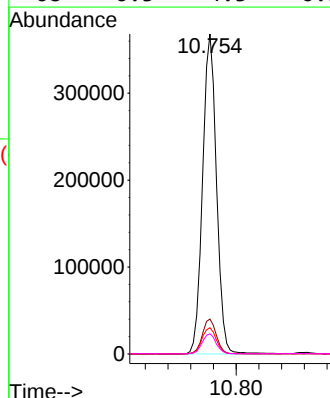
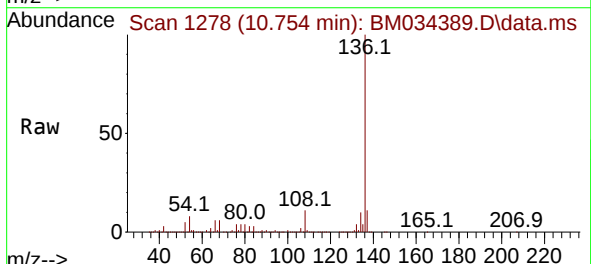
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

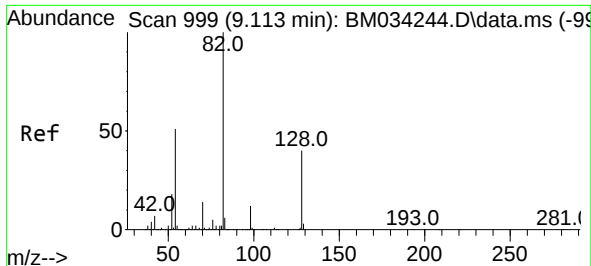
Tgt Ion: 99 Resp: 2080
Ion Ratio Lower Upper
99 100
42 56.9 15.6 23.4#
71 89.8 30.6 46.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion: 136 Resp: 623973
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.2 9.4
68 6.3 4.3 6.5

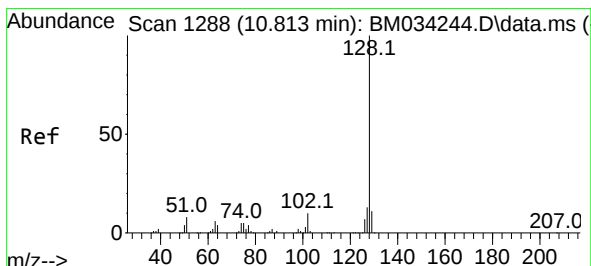
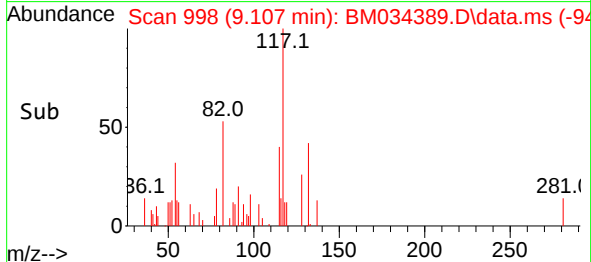
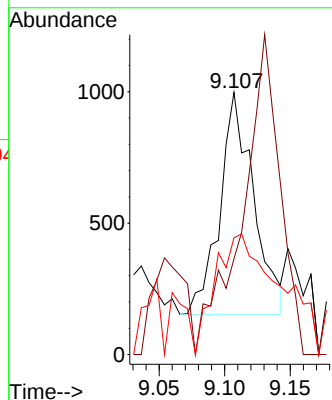
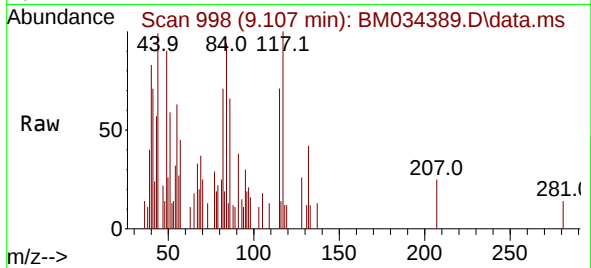




#23
Nitrobenzene-d5
Concen: 0.118 ng
RT: 9.107 min Scan# 999
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

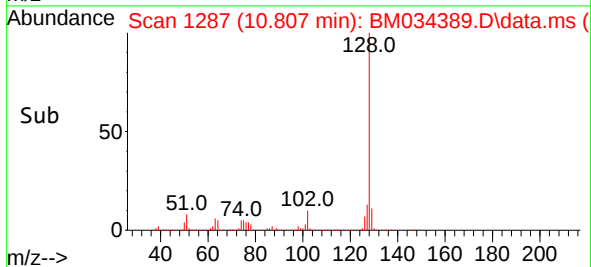
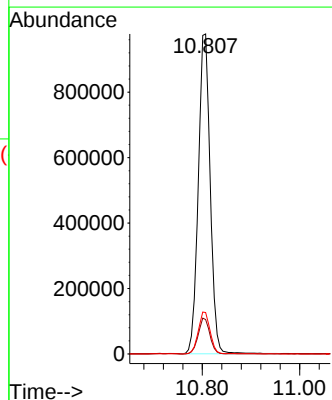
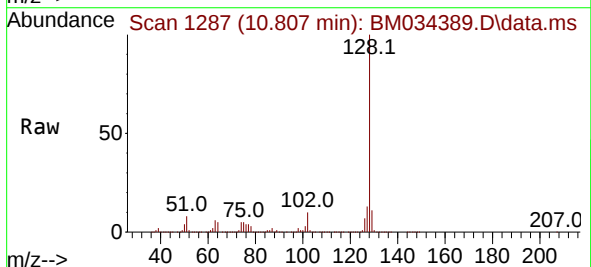
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

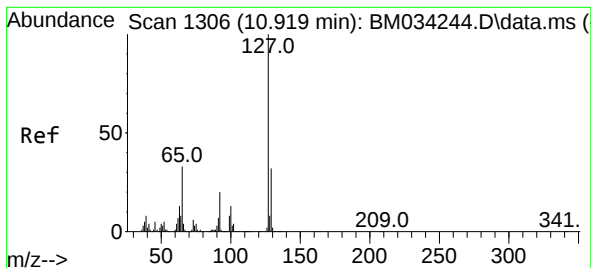
Tgt Ion: 82	Resp:	1507
Ion Ratio	Lower	Upper
82	100	
128	36.5	31.9 47.9
54	44.5	40.6 61.0



#31
Naphthalene
Concen: 51.262 ng
RT: 10.807 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion: 128	Resp:	1666408
Ion Ratio	Lower	Upper
128	100	
129	10.7	8.8 13.2
127	12.9	10.2 15.4

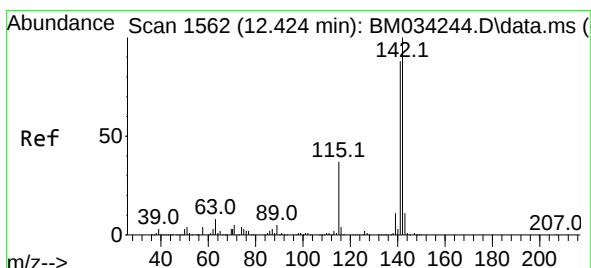
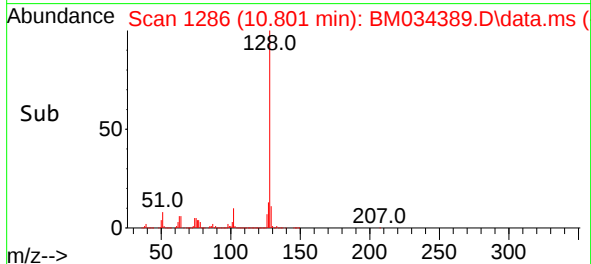
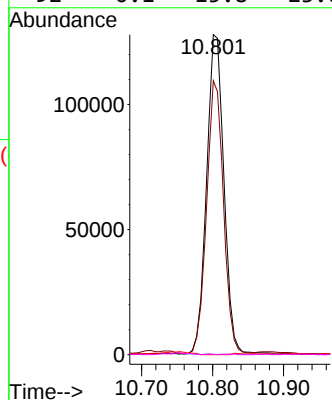
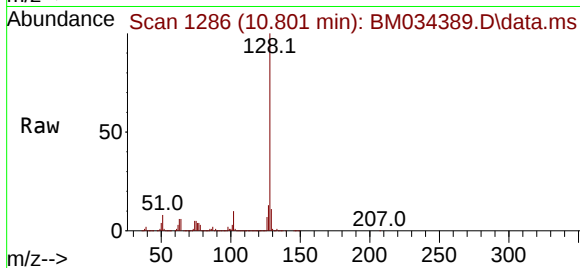




#33
4-Chloroaniline
Concen: 16.941 ng
RT: 10.801 min Scan# 11
Delta R.T. -0.106 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

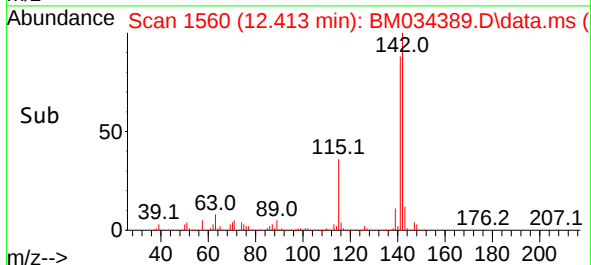
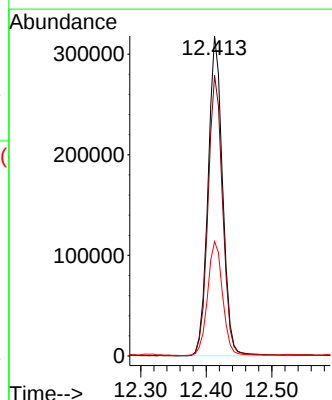
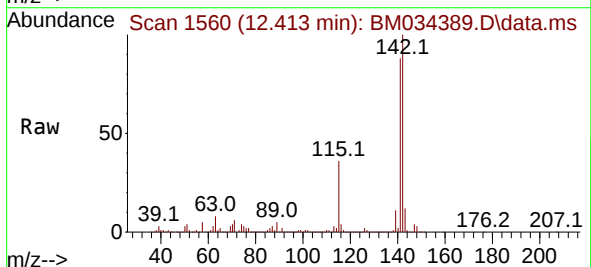
Instrument :
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ClientSampleId :
RW-1-20220321-16.0-17.0DL2

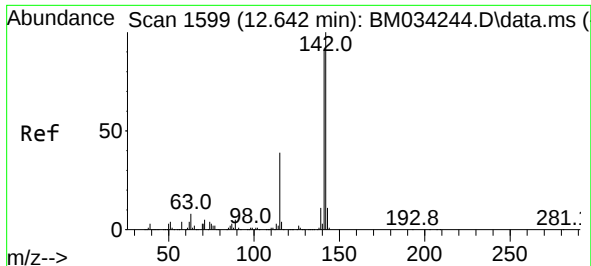
Tgt Ion:127	Resp:	217233
Ion	Ratio	Lower Upper
127	100	
129	85.6	25.4 38.2#
65	0.0	26.2 39.2#
92	0.1	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 21.162 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:142	Resp:	490876
Ion	Ratio	Lower Upper
142	100	
141	87.7	70.1 105.1
115	35.7	29.9 44.9

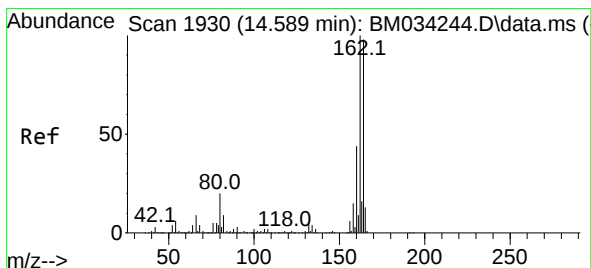
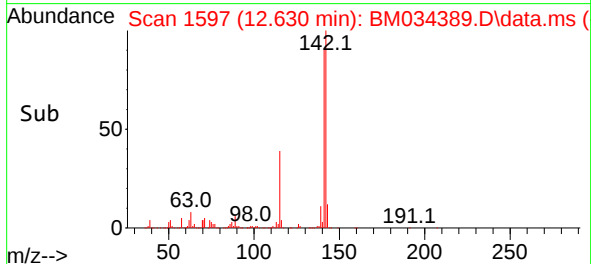
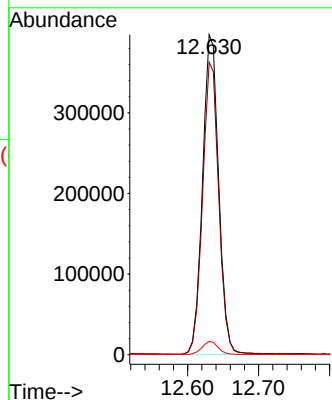
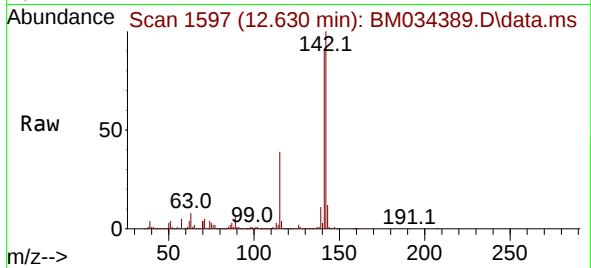




#38
1-Methylnaphthalene
Concen: 27.629 ng
RT: 12.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

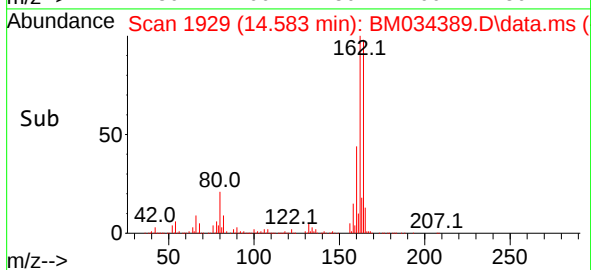
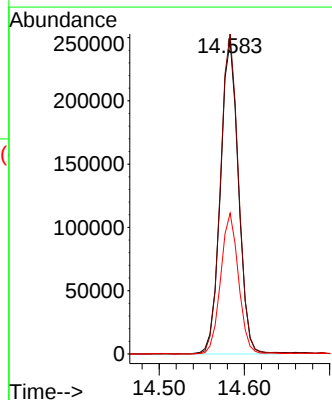
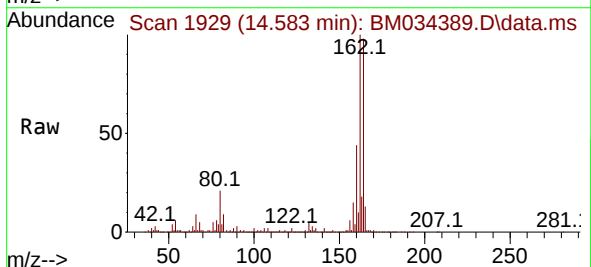
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

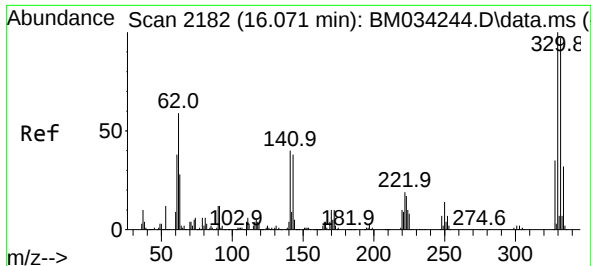
Tgt Ion:142 Resp: 626928
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.6
116 4.2 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:164 Resp: 363141
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 45.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 0.168 ng

RT: 16.077 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BM034389.D

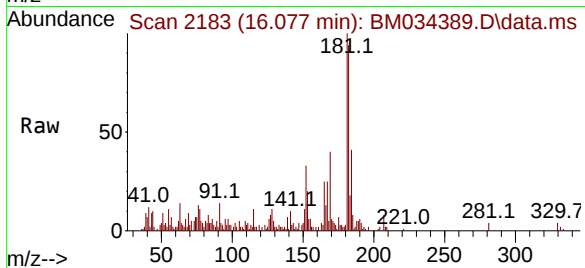
Acq: 25 Mar 2022 17:46

Instrument :

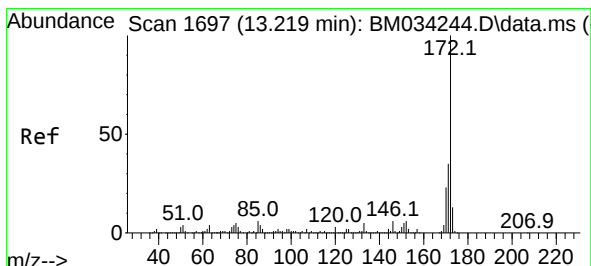
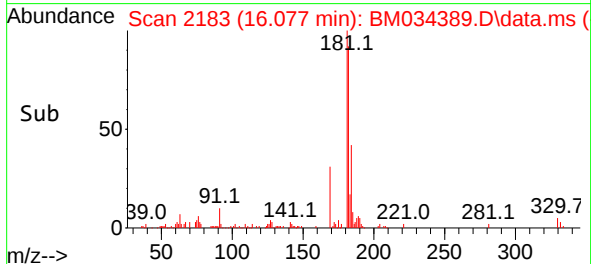
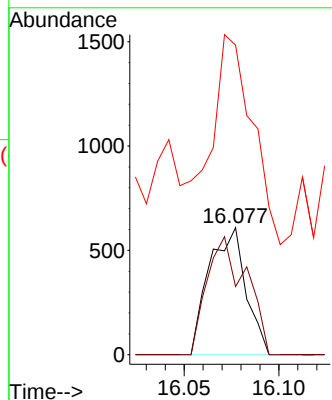
BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2



Tgt Ion:	330	Resp:	822
Ion Ratio	Lower	Upper	
330	100		
332	98.9	78.2	117.4
141	177.6	30.6	45.8#



#45

2-Fluorobiphenyl

Concen: 0.143 ng

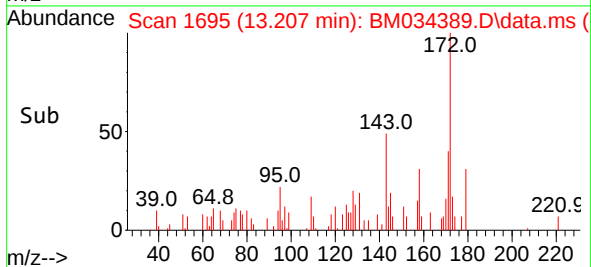
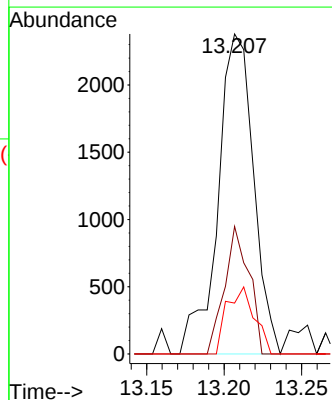
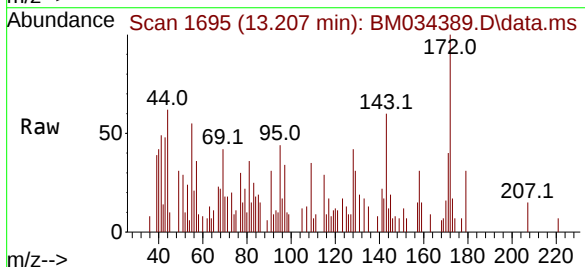
RT: 13.207 min Scan# 1695

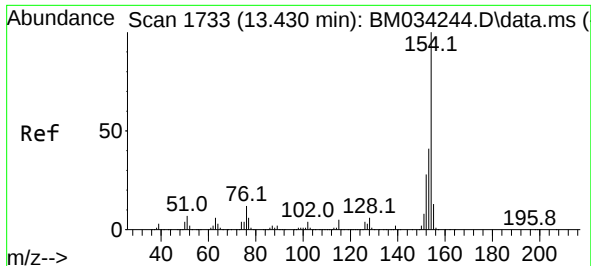
Delta R.T. -0.006 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Tgt Ion:	172	Resp:	3804
Ion Ratio	Lower	Upper	
172	100		
171	39.8	28.0	42.0
170	15.9	18.6	28.0#

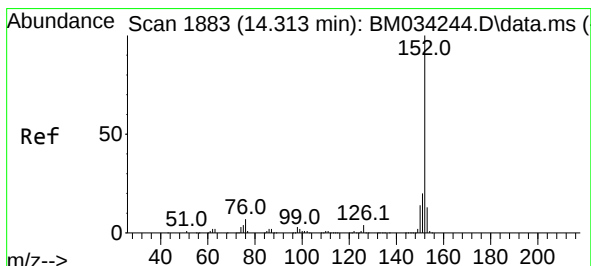
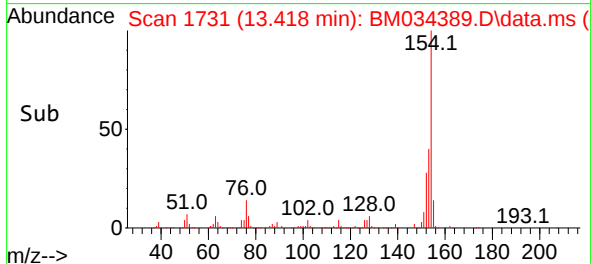
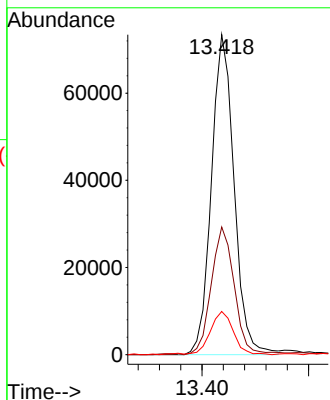
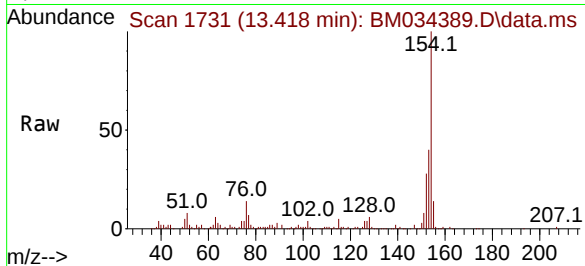




#46
1,1'-Biphenyl
Concen: 3.922 ng
RT: 13.418 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

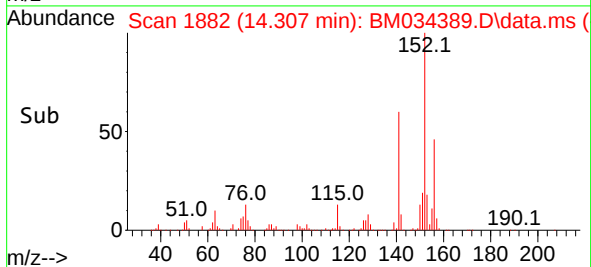
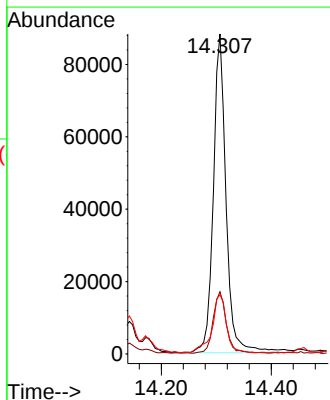
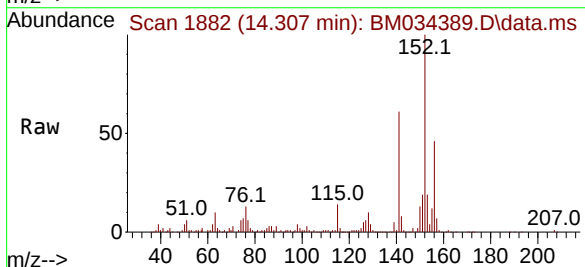
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

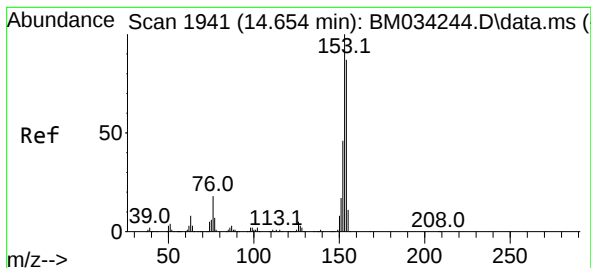
Tgt Ion:154 Resp: 108602
Ion Ratio Lower Upper
154 100
153 39.9 21.0 61.0
76 13.5 0.0 32.1



#49
Acenaphthylene
Concen: 4.281 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:152 Resp: 141826
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 18.5 10.6 16.0#





#52

Acenaphthene

Concen: 16.825 ng

RT: 14.648 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

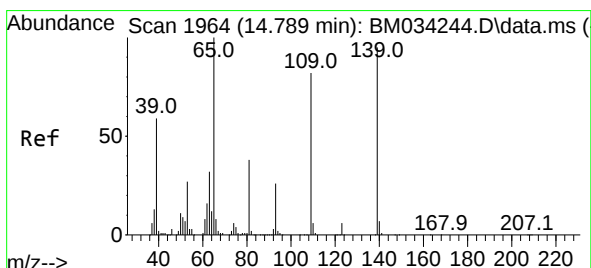
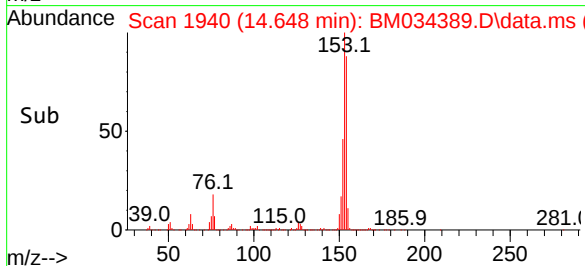
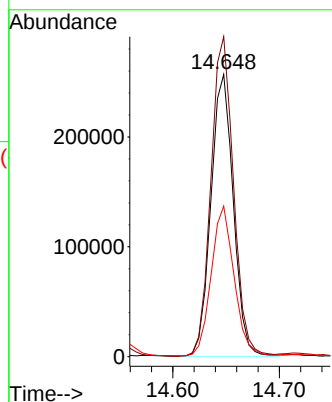
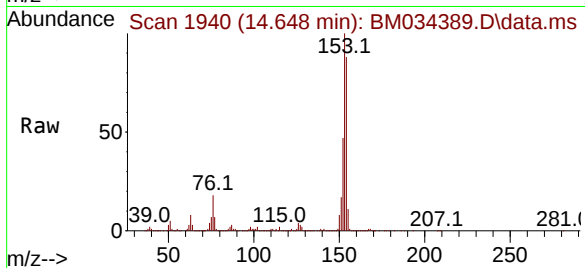
Tgt Ion:154 Resp: 375427

Ion Ratio Lower Upper

154 100

153 113.4 91.8 137.8

152 53.4 42.6 64.0



#56

4-Nitrophenol

Concen: 2.282 ng

RT: 14.789 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

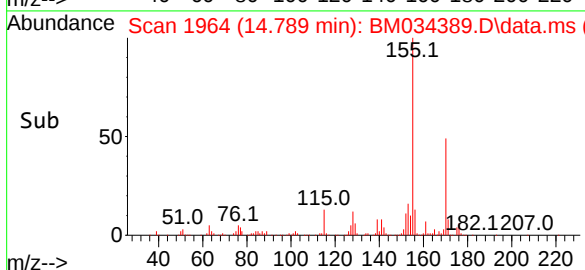
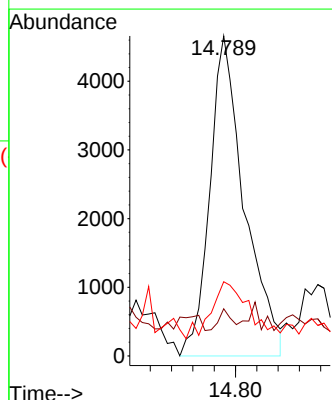
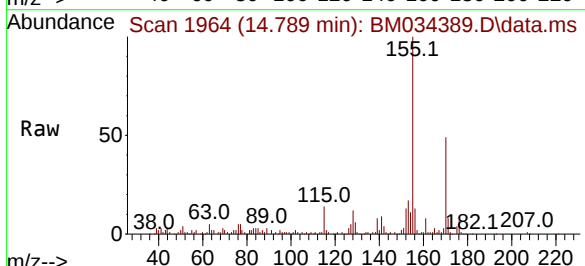
Tgt Ion:139 Resp: 10522

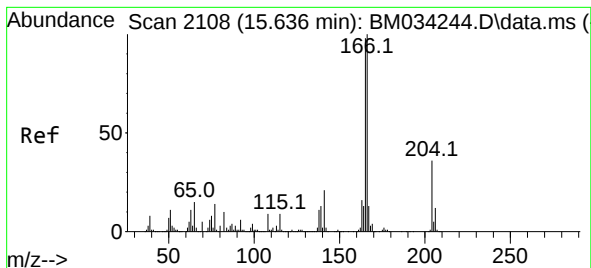
Ion Ratio Lower Upper

139 100

109 14.7 66.3 106.3#

65 23.2 85.5 125.5#





#58

Fluorene

Concen: 10.519 ng

RT: 15.630 min Scan# 2108

Delta R.T. 0.006 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

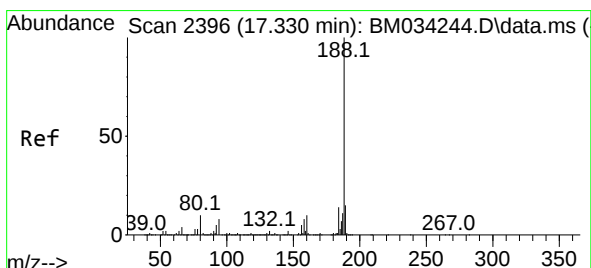
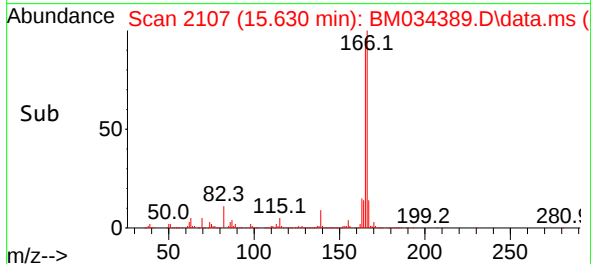
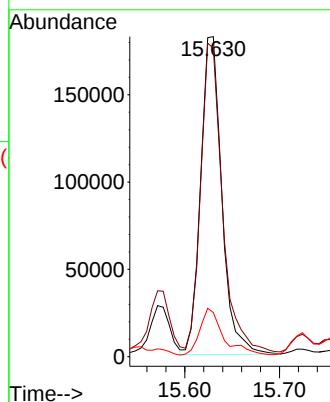
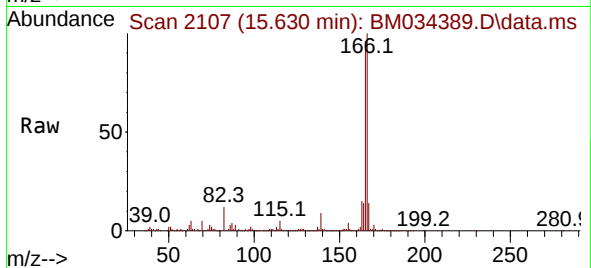
Tgt Ion:166 Resp: 283963

Ion Ratio Lower Upper

166 100

165 96.5 78.0 117.0

167 13.8 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2395

Delta R.T. 0.006 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

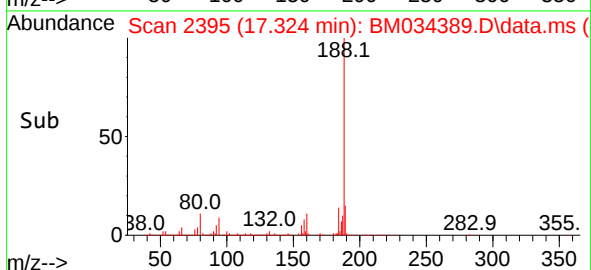
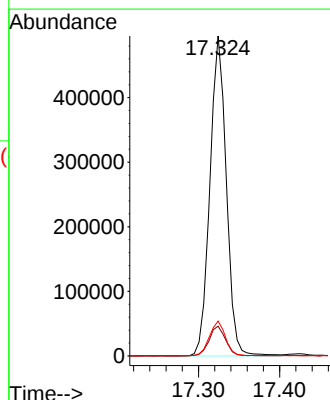
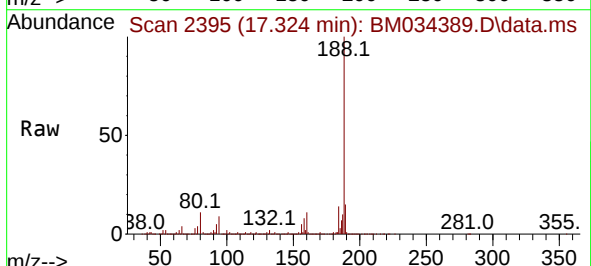
Tgt Ion:188 Resp: 695485

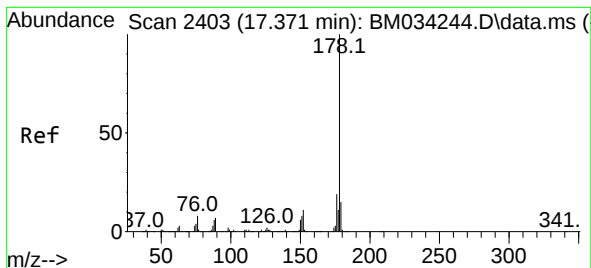
Ion Ratio Lower Upper

188 100

94 9.3 6.6 9.8

80 10.9 7.8 11.8





#71

Phenanthrene

Concen: 42.031 ng

RT: 17.365 min Scan# 2403

Delta R.T. -0.000 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

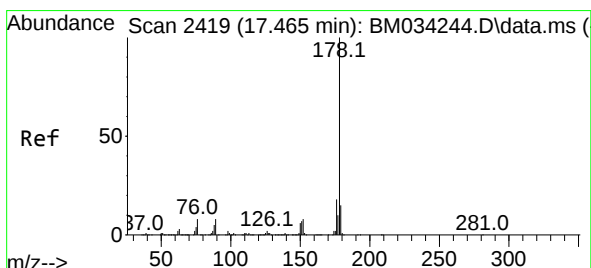
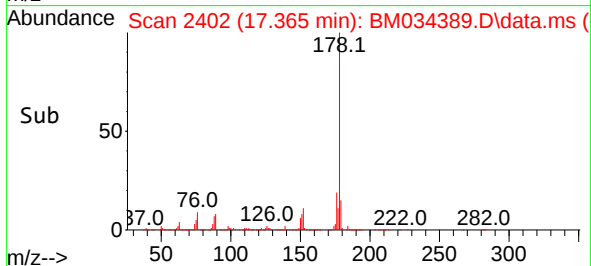
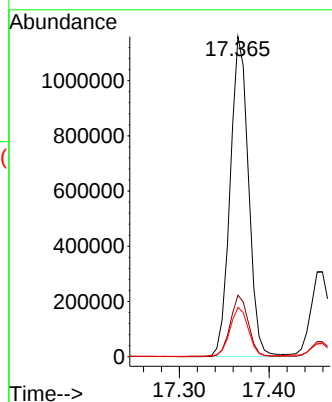
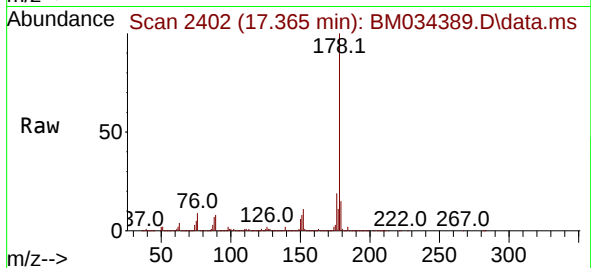
Tgt Ion:178 Resp: 1637036

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.4 12.2 18.4



#72

Anthracene

Concen: 11.431 ng

RT: 17.459 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

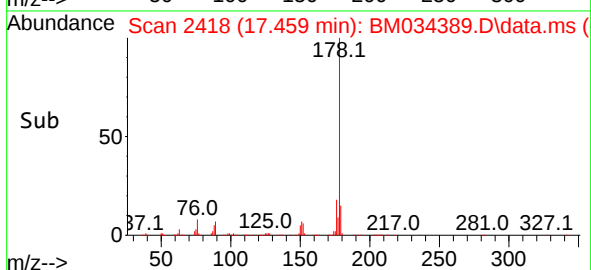
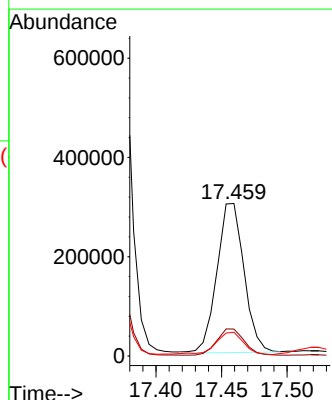
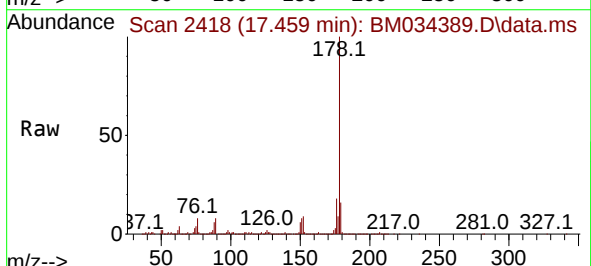
Tgt Ion:178 Resp: 433361

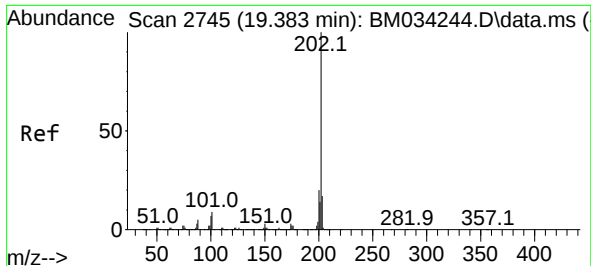
Ion Ratio Lower Upper

178 100

176 17.6 14.6 22.0

179 15.5 12.2 18.2

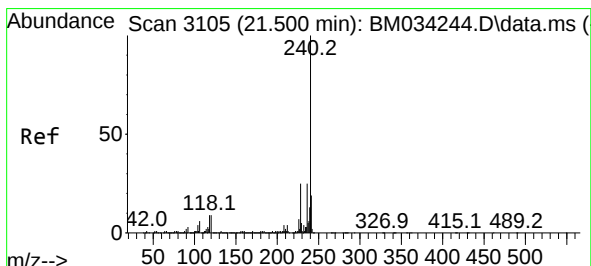
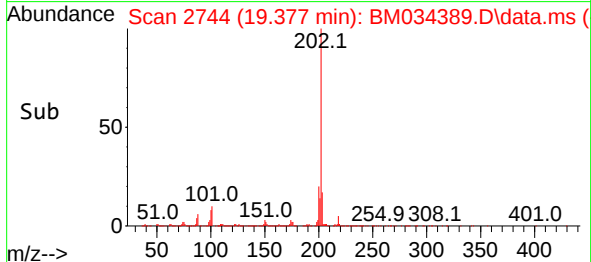
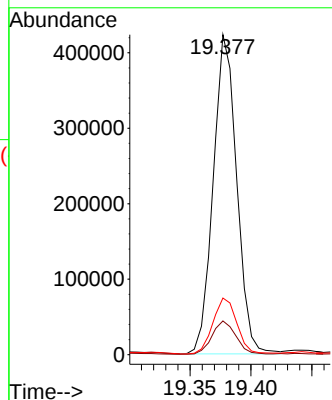
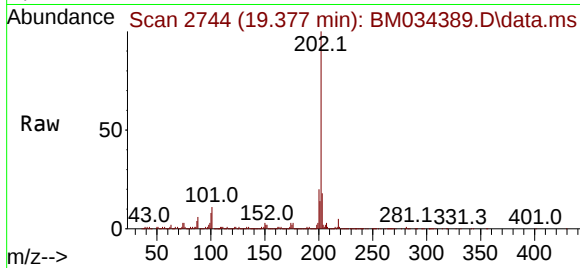




#75
Fluoranthene
Concen: 13.009 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

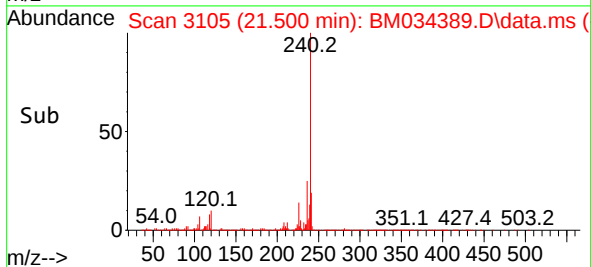
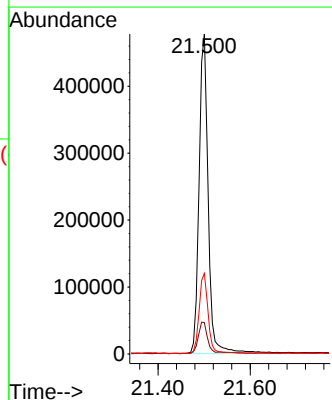
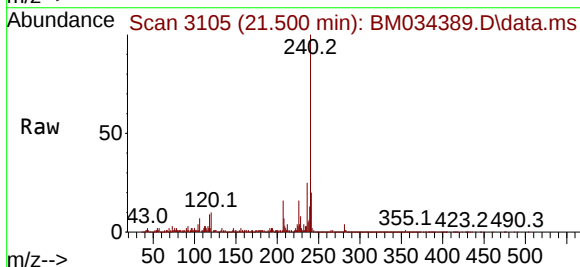
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

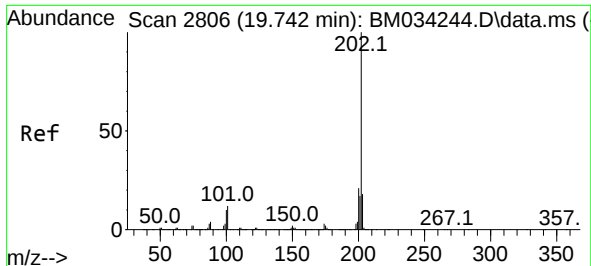
Tgt Ion:202 Resp: 568010
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.4
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:240 Resp: 656945
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.2 20.2 30.2

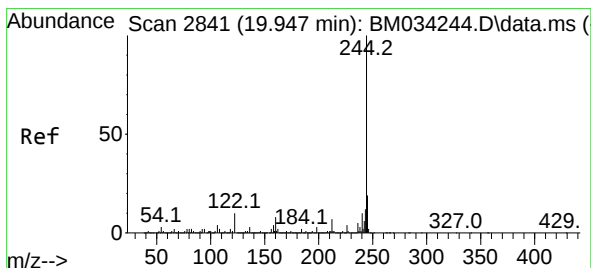
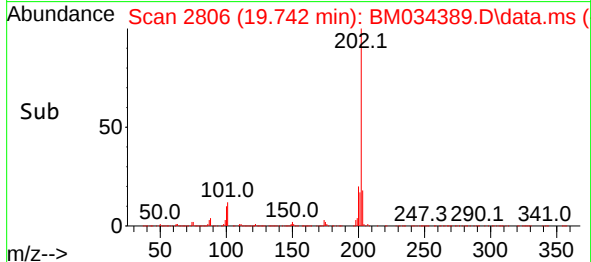
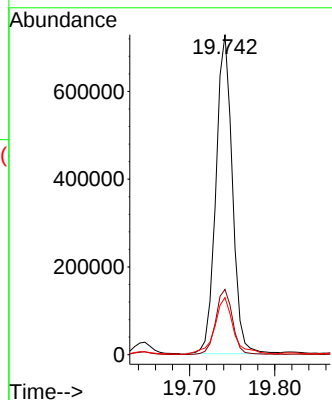
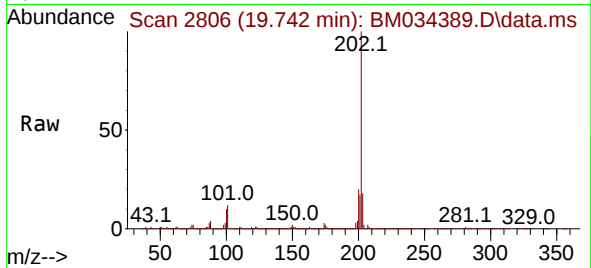




#78
Pyrene
Concen: 21.156 ng
RT: 19.742 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

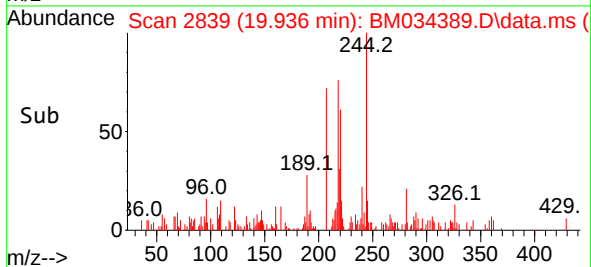
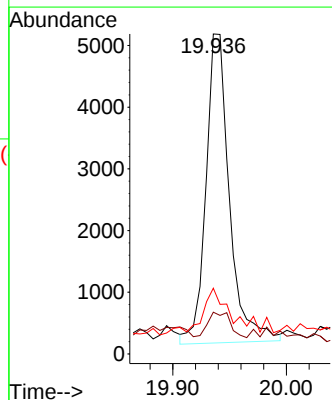
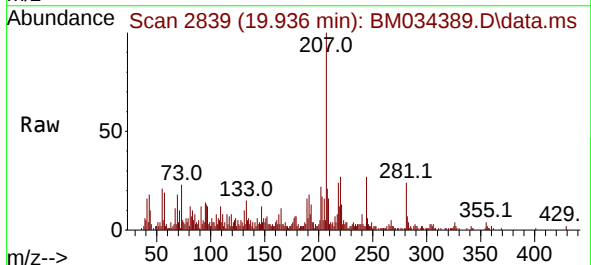
Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

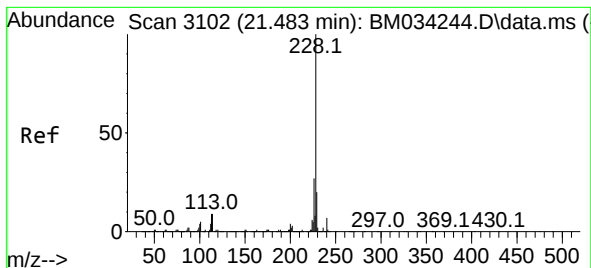
Tgt Ion:202 Resp: 979194
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.9 14.1 21.1



#79
Terphenyl-d14
Concen: 0.190 ng
RT: 19.936 min Scan# 2839
Delta R.T. -0.000 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:244 Resp: 7202
Ion Ratio Lower Upper
244 100
212 13.1 5.9 8.9#
122 20.6 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 5.808 ng

RT: 21.536 min Scan# 3111

Delta R.T. 0.059 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

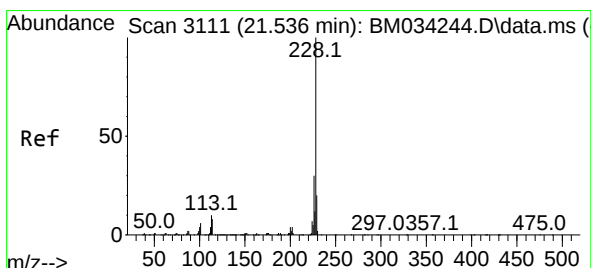
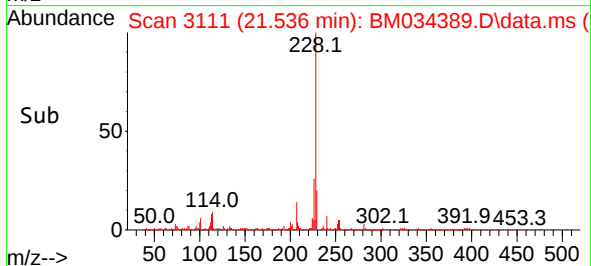
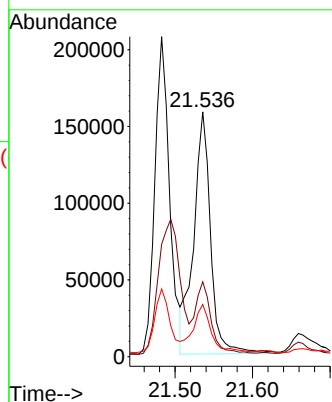
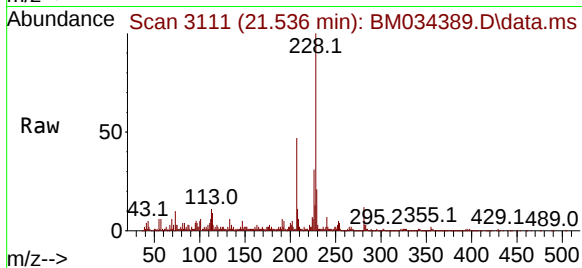
Tgt Ion:228 Resp: 240813

Ion Ratio Lower Upper

228 100

226 30.6 21.6 32.4

229 21.3 15.8 23.6



#83

Chrysene

Concen: 5.687 ng

RT: 21.536 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

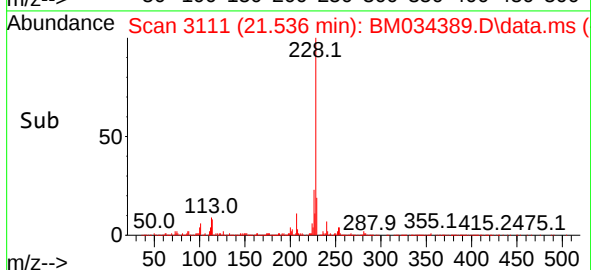
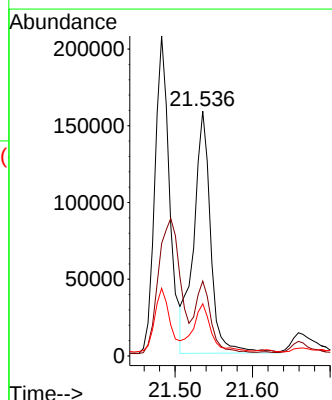
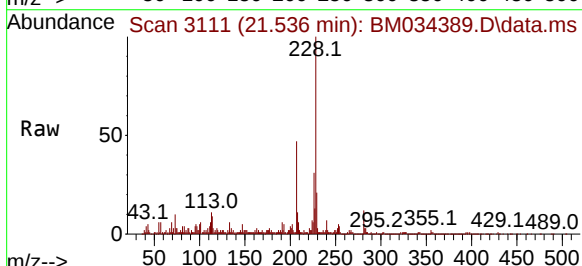
Tgt Ion:228 Resp: 240813

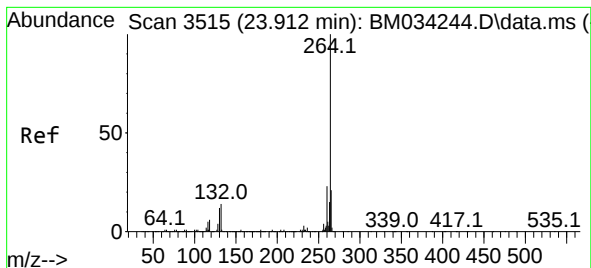
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.918 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

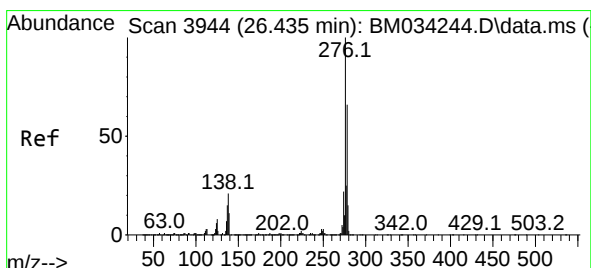
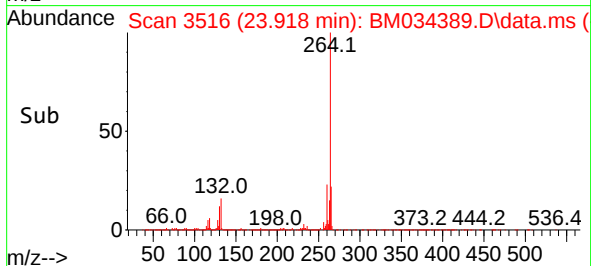
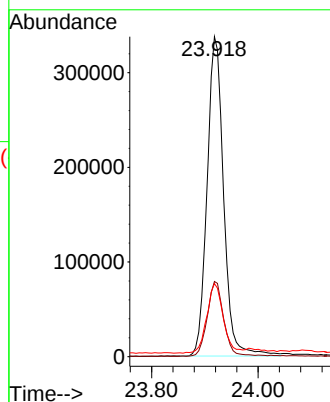
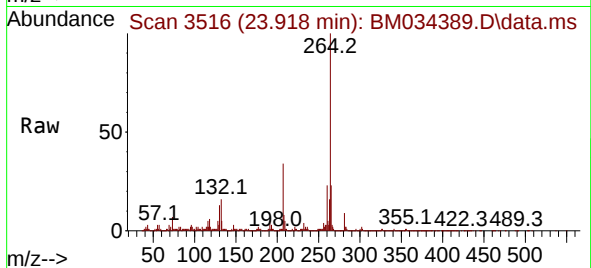
Tgt Ion:264 Resp: 729676

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.9 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.145 ng

RT: 26.447 min Scan# 3946

Delta R.T. 0.023 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

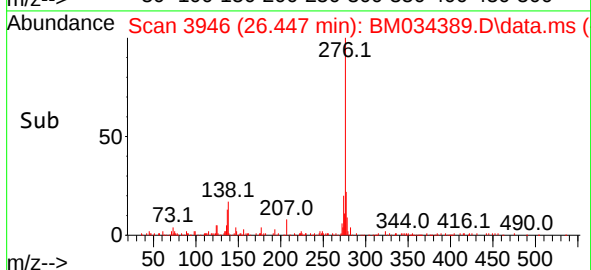
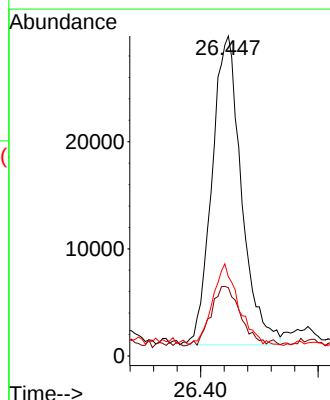
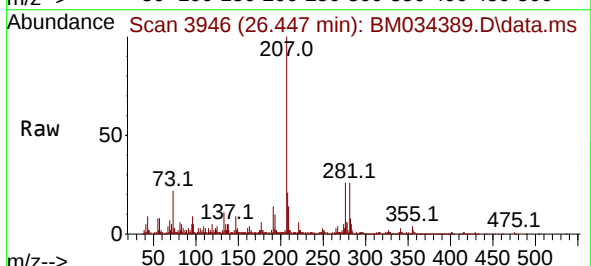
Tgt Ion:276 Resp: 100669

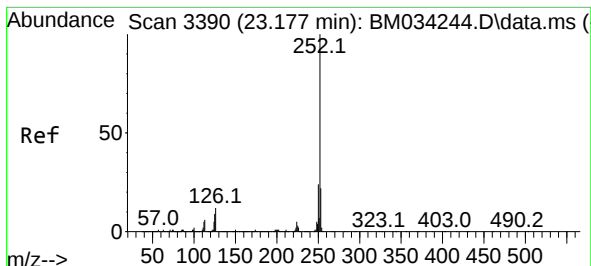
Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 23.4 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 6.039 ng

RT: 23.183 min Scan# 3391

Delta R.T. 0.012 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

Instrument :

BNA_M

ClientSampleId :

RW-1-20220321-16.0-17.0DL2

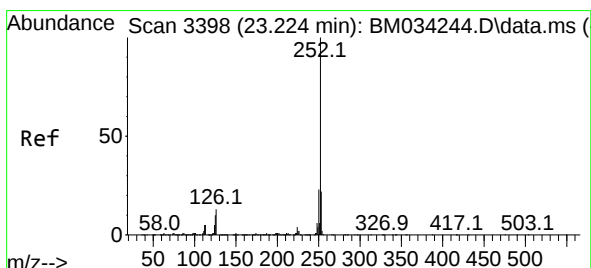
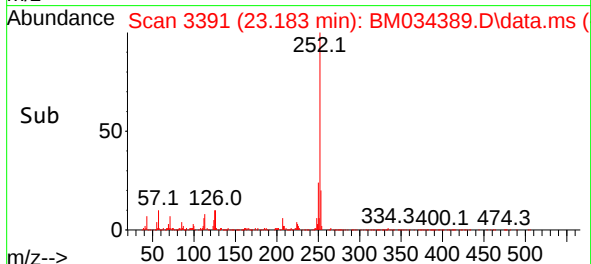
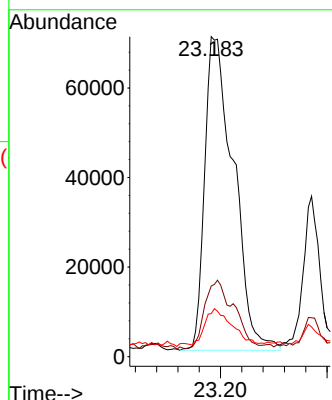
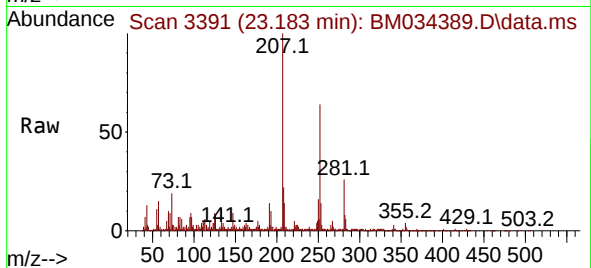
Tgt Ion:252 Resp: 263503

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 13.5 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 5.701 ng

RT: 23.183 min Scan# 3391

Delta R.T. -0.041 min

Lab File: BM034389.D

Acq: 25 Mar 2022 17:46

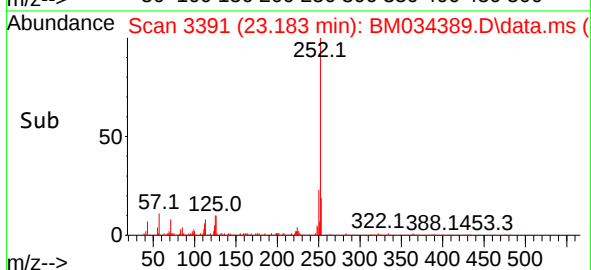
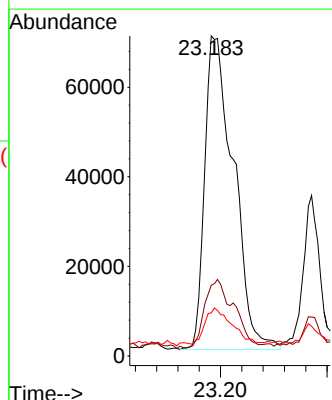
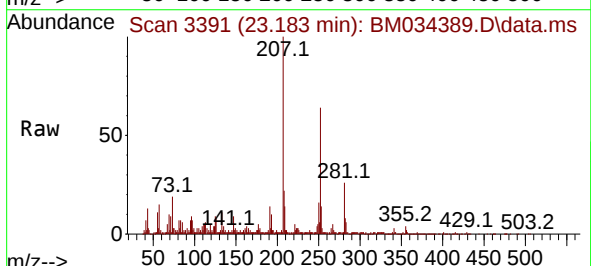
Tgt Ion:252 Resp: 263503

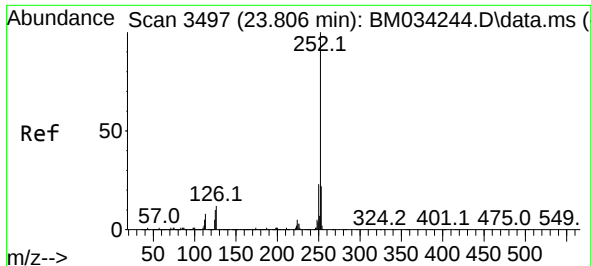
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 13.5 7.5 11.3#

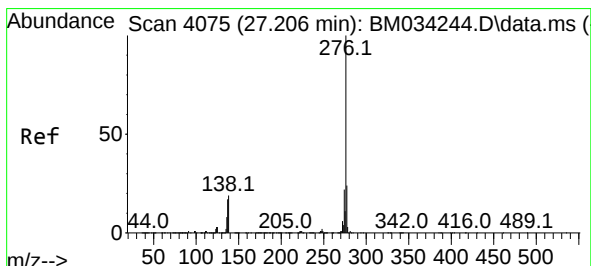
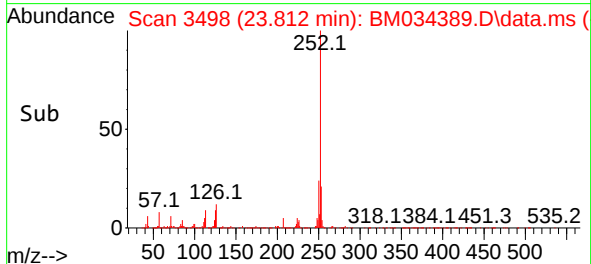
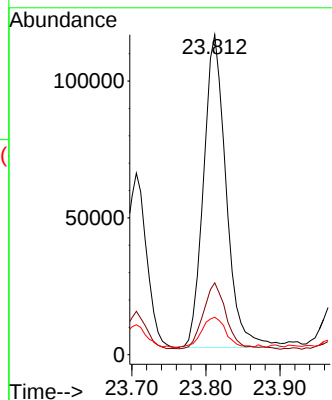
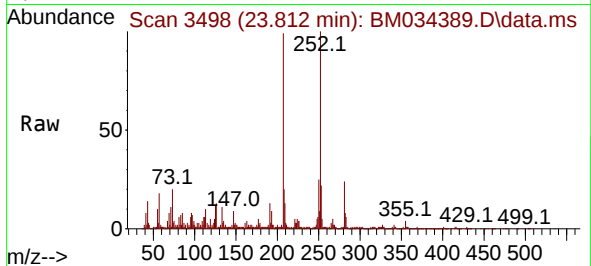




#90
Benzo(a)pyrene
Concen: 6.567 ng
RT: 23.812 min Scan# 3497
Delta R.T. 0.012 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Instrument :
BNA_M
ClientSampleId :
RW-1-20220321-16.0-17.0DL2

Tgt Ion:252 Resp: 242913
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 3.118 ng
RT: 27.218 min Scan# 4077
Delta R.T. 0.018 min
Lab File: BM034389.D
Acq: 25 Mar 2022 17:46

Tgt Ion:276 Resp: 122834
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 21.1 15.6 23.4

