

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034386.D
 Acq On : 25 Mar 2022 15:48
 Operator : CG/JU
 Sample : N2103-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200049

Quant Time: Mar 26 05:38:52 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)

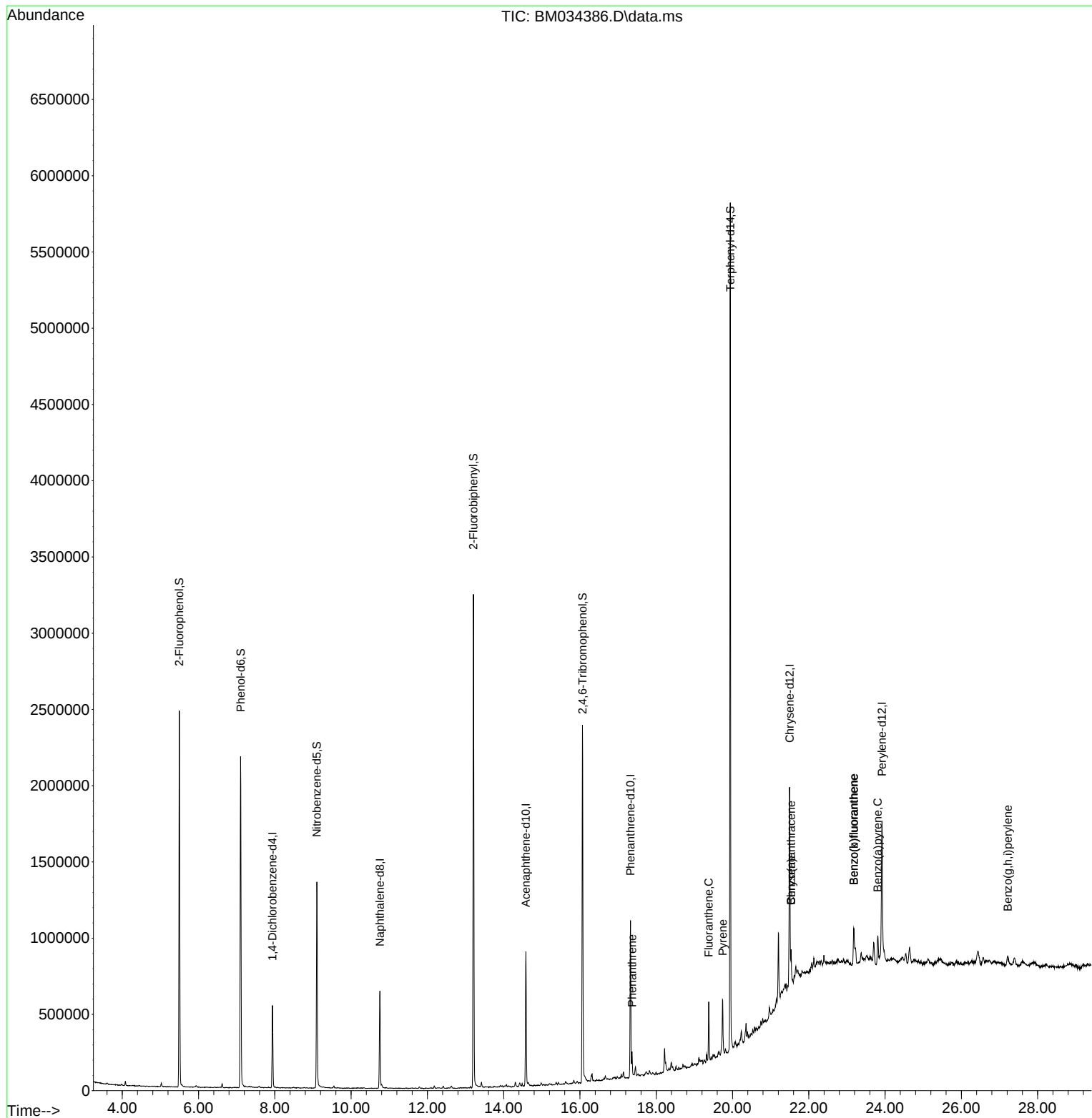
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	143603	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	534416	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	305227	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	606222	20.000	ng	0.00
76) Chrysene-d12	21.494	240	614558	20.000	ng	0.00
86) Perylene-d12	23.918	264	711944	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	972136	121.444	ng	0.00
7) Phenol-d6	7.101	99	1179026	102.873	ng	0.00
23) Nitrobenzene-d5	9.101	82	797363	72.642	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	438565	106.601	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1621598	72.598	ng	0.00
79) Terphenyl-d14	19.942	244	2532019	71.591	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.365	178	91347	2.691	ng	95
75) Fluoranthene	19.377	202	216875	5.698	ng	97
78) Pyrene	19.742	202	222014	5.127	ng	100
81) Benzo(a)anthracene	21.536	228	124864	3.219	ng	93
83) Chrysene	21.536	228	124864	3.152	ng	96
88) Benzo(b)fluoranthene	23.183	252	246277	5.785	ng	# 94
89) Benzo(k)fluoranthene	23.183	252	246277	5.461	ng	# 93
90) Benzo(a)pyrene	23.806	252	128350	3.556	ng	# 93
92) Benzo(g,h,i)perylene	27.218	276	102501	2.667	ng	96

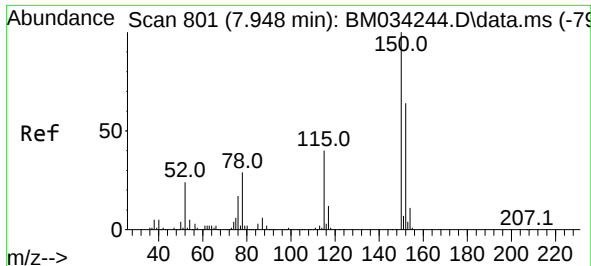
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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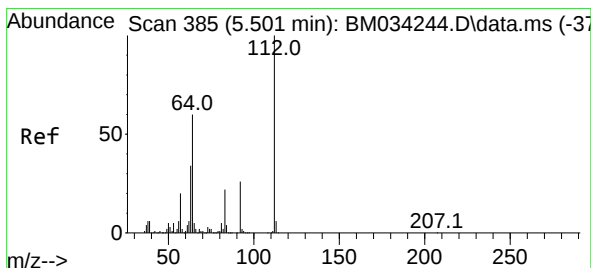
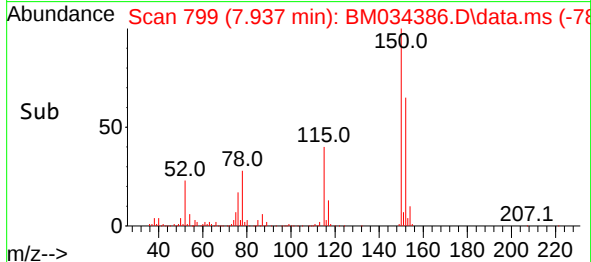
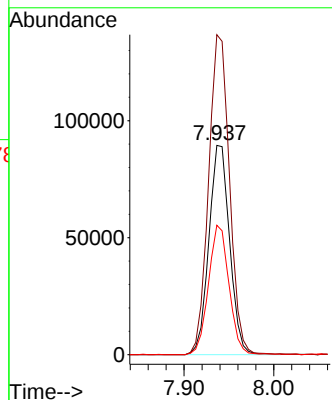
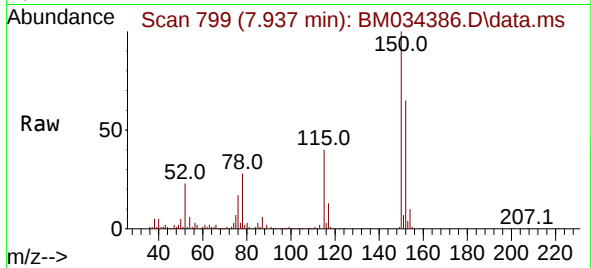




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.937 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BM034386.D
 Acq: 25 Mar 2022 15:48

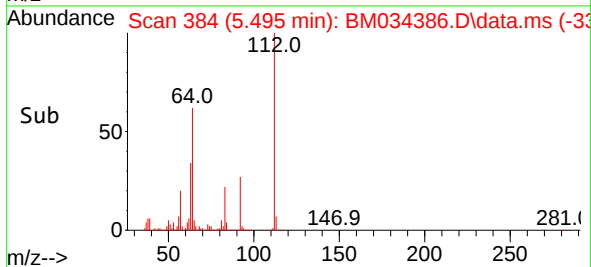
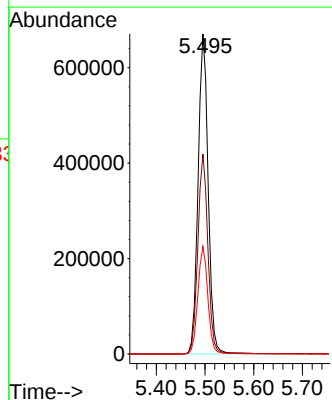
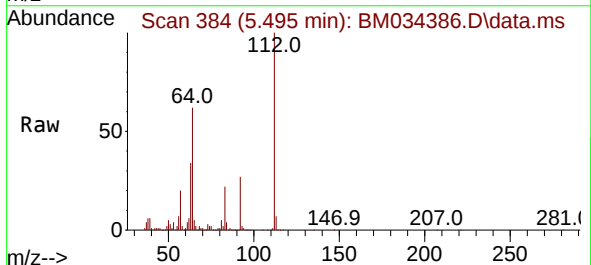
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200049

Tgt Ion:152 Resp: 143603
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.4 188.2
 115 61.8 50.1 75.1



#5
 2-Fluorophenol
 Concen: 121.444 ng
 RT: 5.495 min Scan# 384
 Delta R.T. 0.006 min
 Lab File: BM034386.D
 Acq: 25 Mar 2022 15:48

Tgt Ion:112 Resp: 972136
 Ion Ratio Lower Upper
 112 100
 64 62.5 47.9 71.9
 63 33.6 27.1 40.7

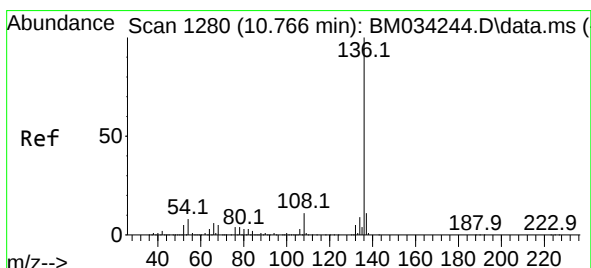
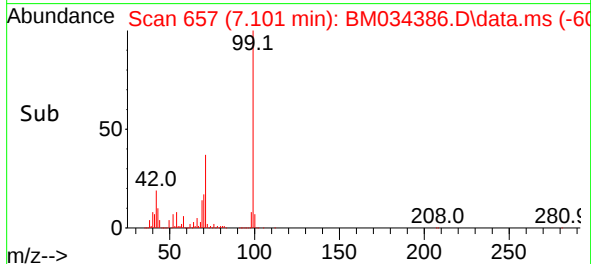
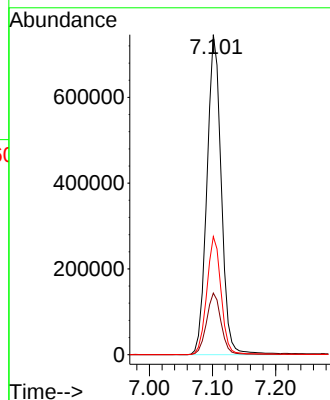
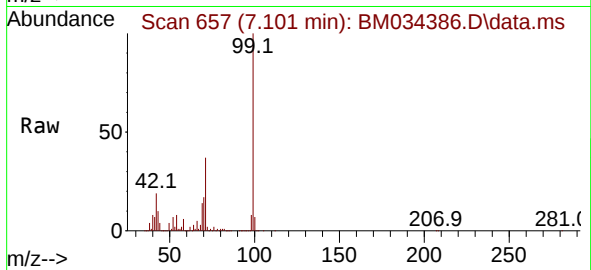




#7
Phenol-d6
Concen: 102.873 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

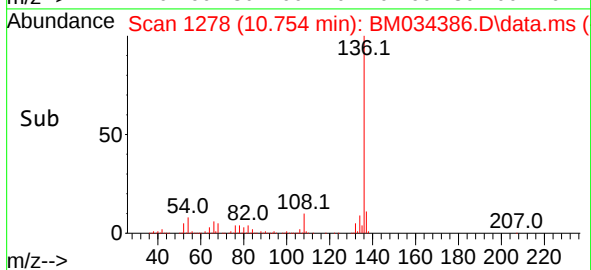
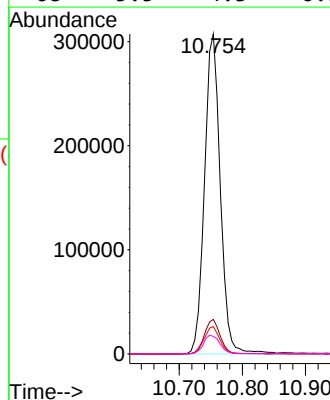
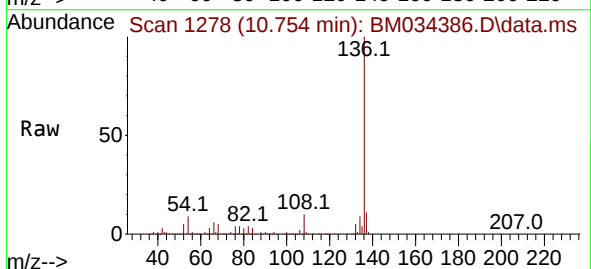
Instrument :
BNA_M
ClientSampleId :
RBR-200049

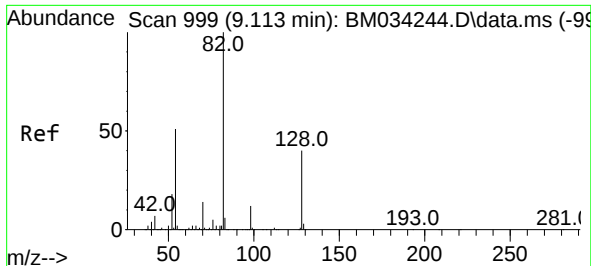
Tgt Ion: 99 Resp: 1179026
Ion Ratio Lower Upper
99 100
42 19.3 15.6 23.4
71 36.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion: 136 Resp: 534416
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 6.2 9.4
68 5.5 4.3 6.5

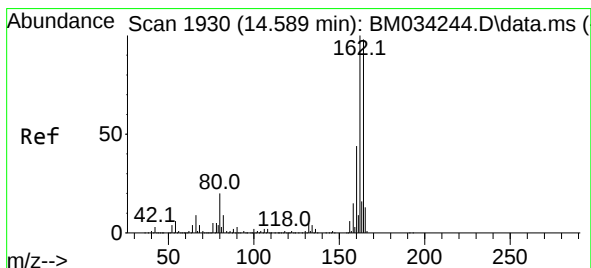
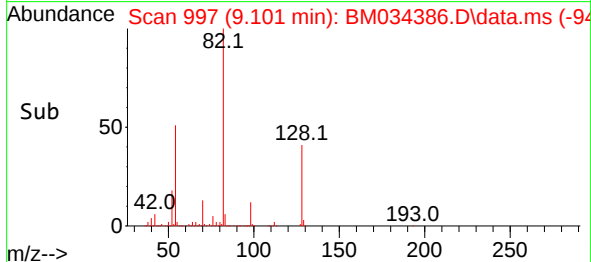
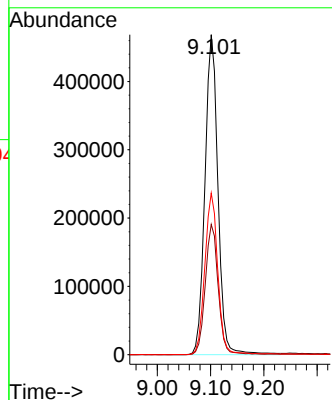
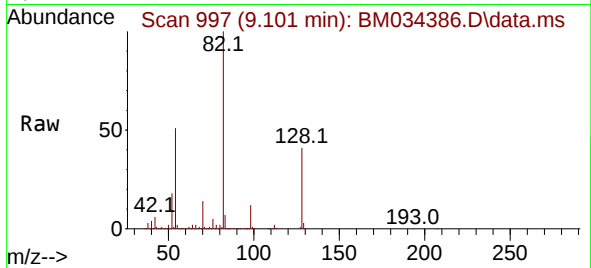




#23
Nitrobenzene-d5
Concen: 72.642 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

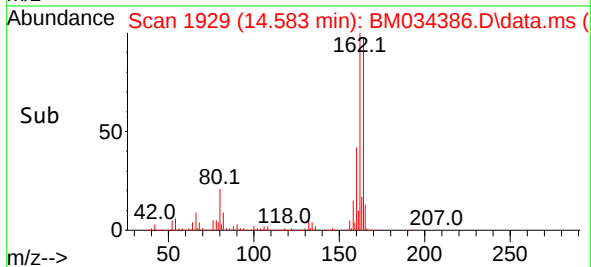
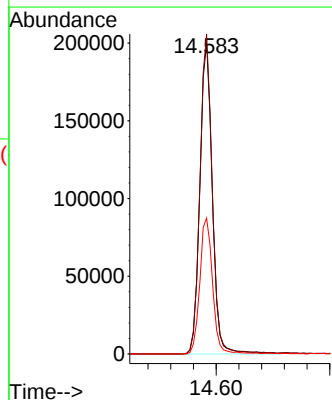
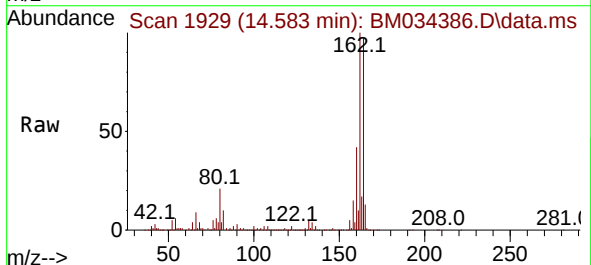
Instrument :
BNA_M
ClientSampleId :
RBR-200049

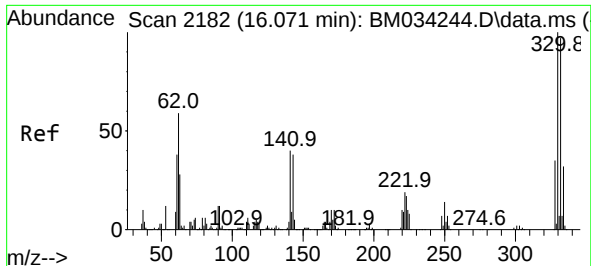
Tgt Ion: 82 Resp: 797363
Ion Ratio Lower Upper
82 100
128 40.7 31.9 47.9
54 50.5 40.6 61.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion: 164 Resp: 305227
Ion Ratio Lower Upper
164 100
162 103.0 81.6 122.4
160 43.7 35.6 53.4

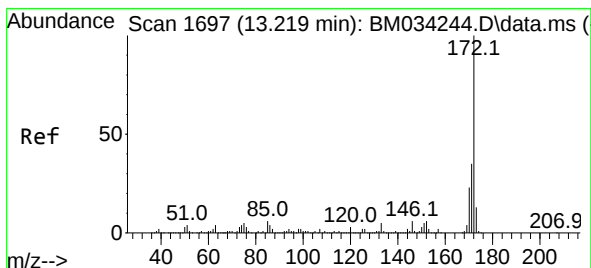
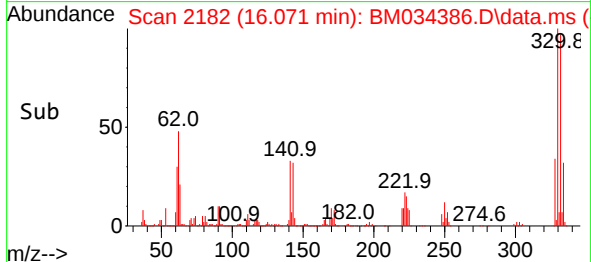
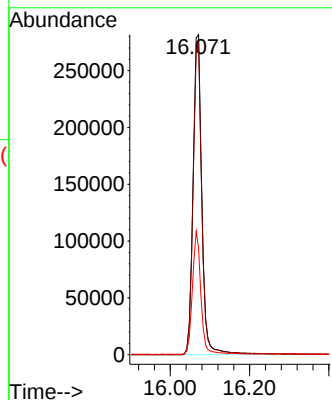
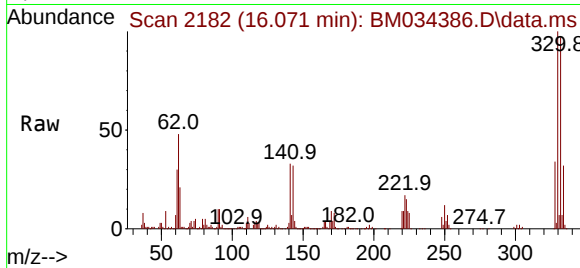




#42
2,4,6-Tribromophenol
Concen: 106.601 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

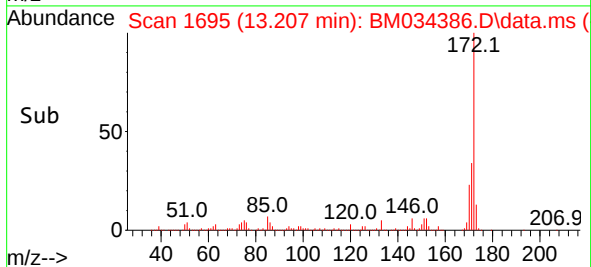
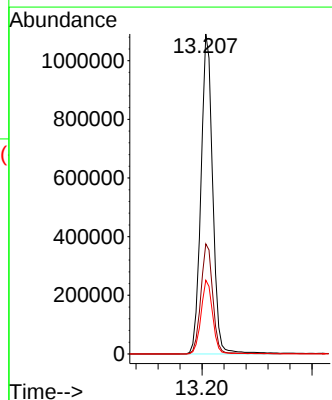
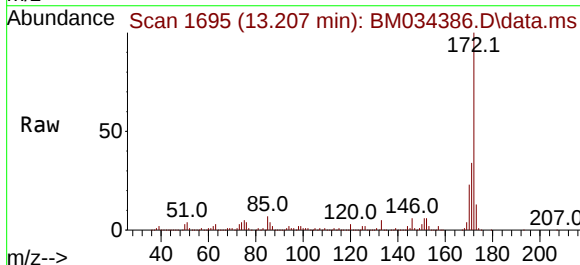
Instrument :
BNA_M
ClientSampleId :
RBR-200049

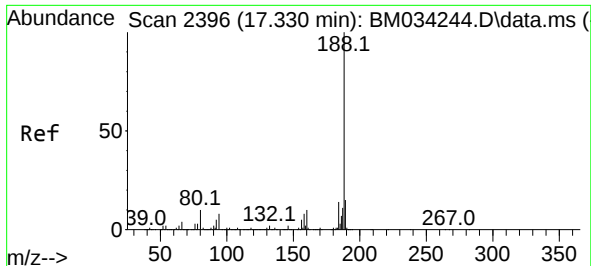
Tgt Ion:330 Resp: 438565
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.4
141 36.2 30.6 45.8



#45
2-Fluorobiphenyl
Concen: 72.598 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:172 Resp: 1621598
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 23.0 18.6 28.0

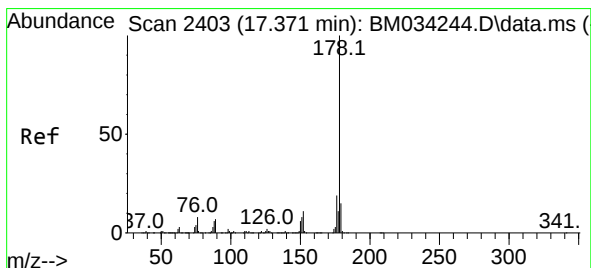
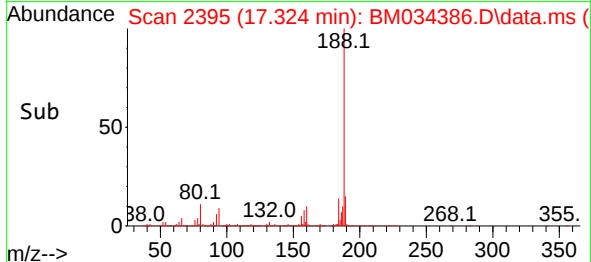
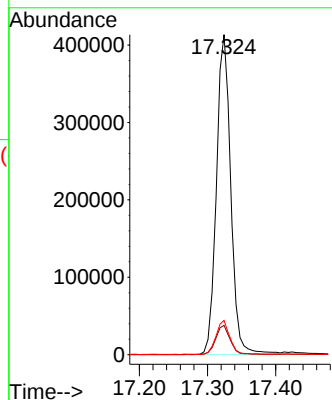
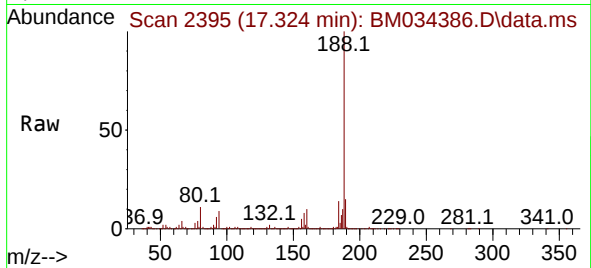




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

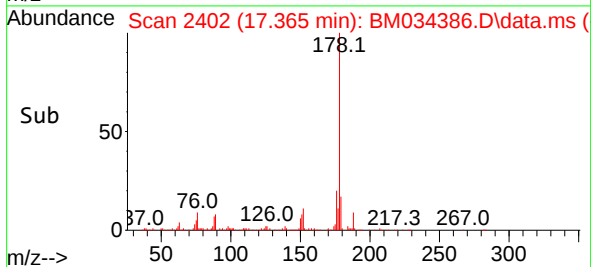
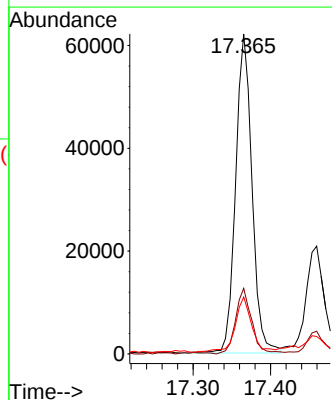
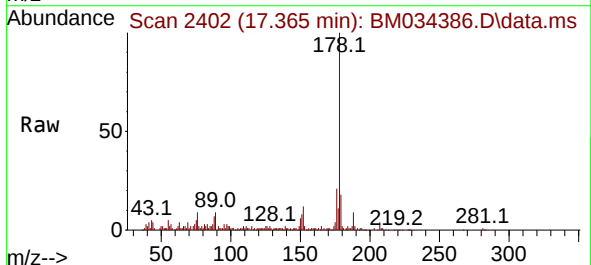
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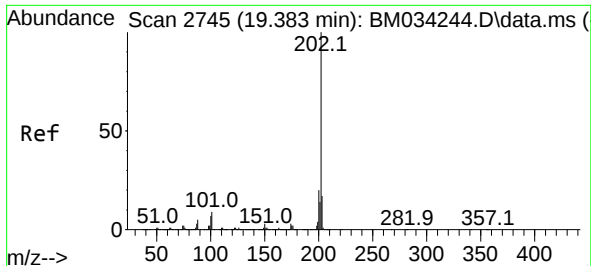
Tgt Ion:188 Resp: 606222
Ion Ratio Lower Upper
188 100
94 9.2 6.6 9.8
80 10.7 7.8 11.8



#71
Phenanthrene
Concen: 2.691 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:178 Resp: 91347
Ion Ratio Lower Upper
178 100
176 20.5 15.1 22.7
179 17.8 12.2 18.4

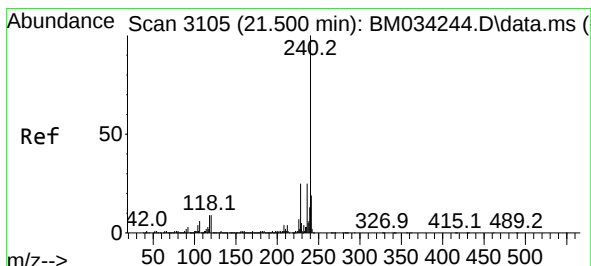
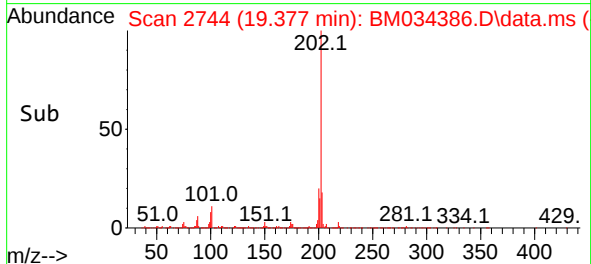
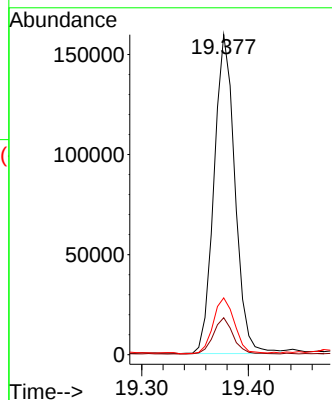
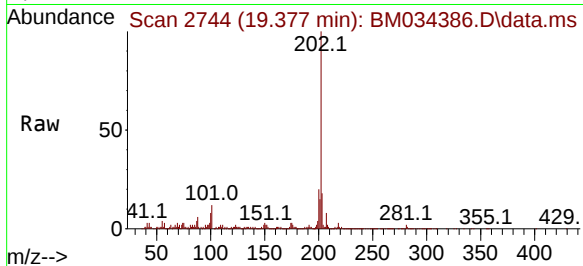




#75
Fluoranthene
Concen: 5.698 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

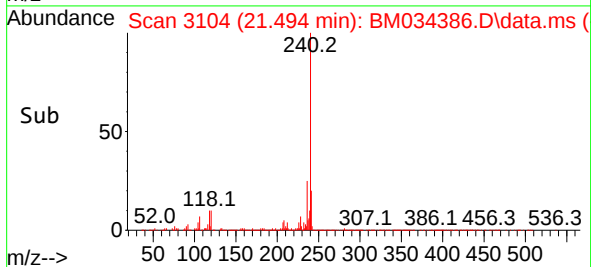
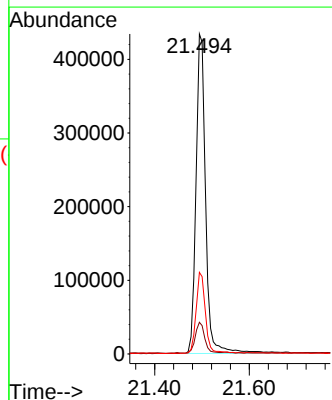
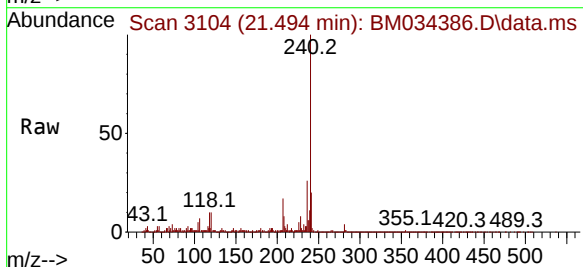
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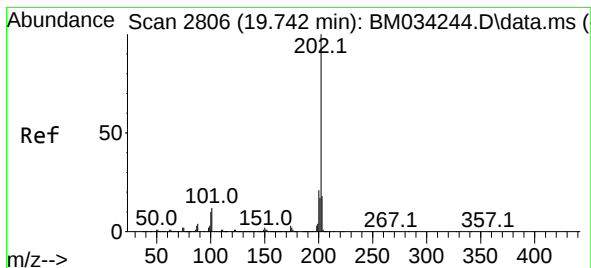
Tgt Ion:202 Resp: 216875
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.4
203 17.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:240 Resp: 614558
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 25.5 20.2 30.2





#78

Pyrene

Concen: 5.127 ng

RT: 19.742 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM034386.D

Acq: 25 Mar 2022 15:48

Instrument :

BNA_M

ClientSampleId :

RBR-200049

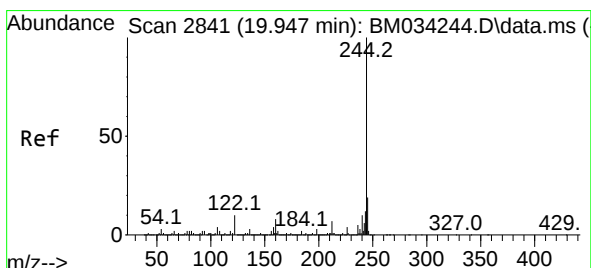
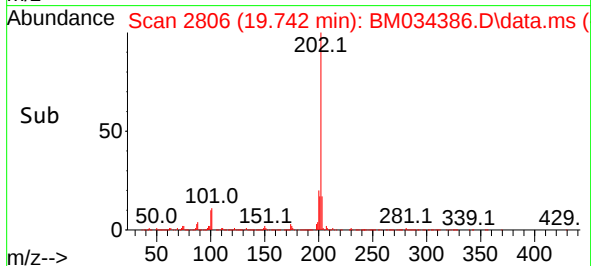
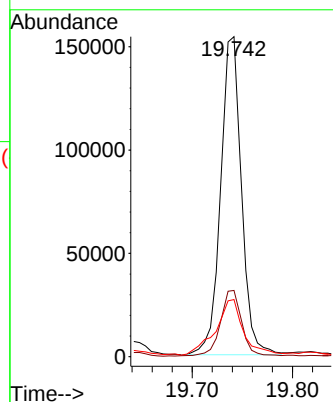
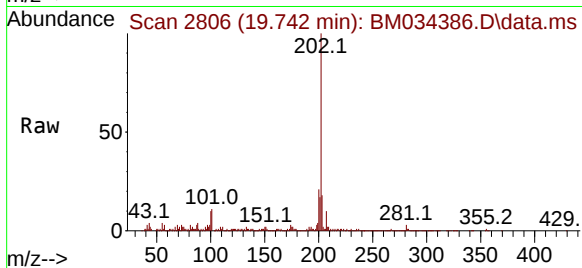
Tgt Ion:202 Resp: 222014

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 71.591 ng

RT: 19.942 min Scan# 2840

Delta R.T. 0.006 min

Lab File: BM034386.D

Acq: 25 Mar 2022 15:48

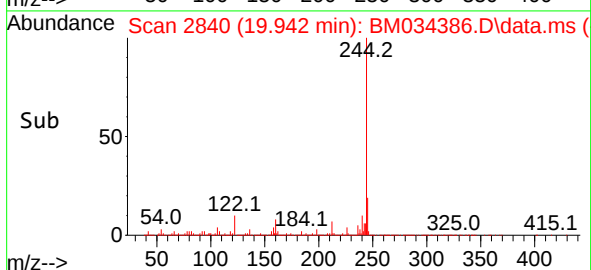
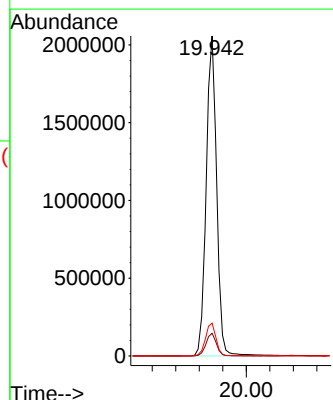
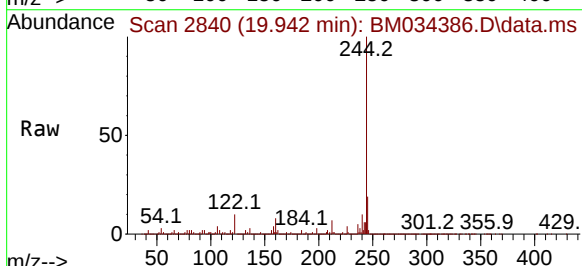
Tgt Ion:244 Resp: 2532019

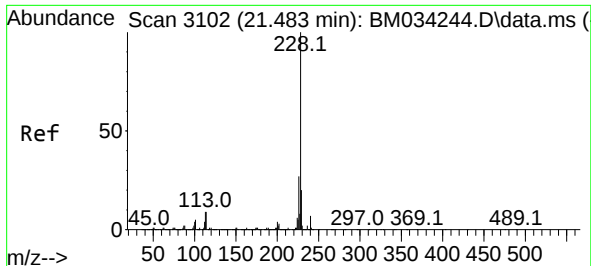
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 10.3 7.8 11.8

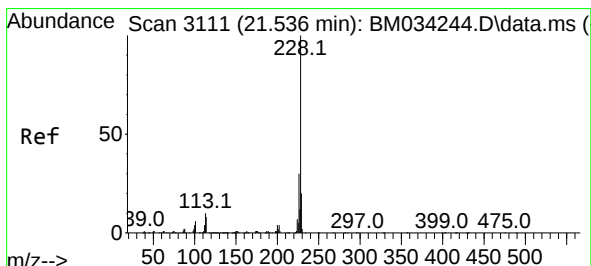
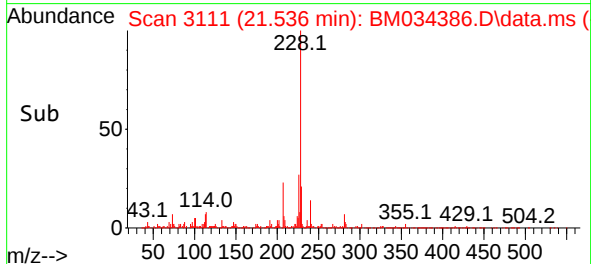
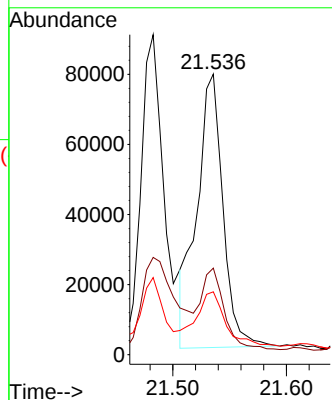
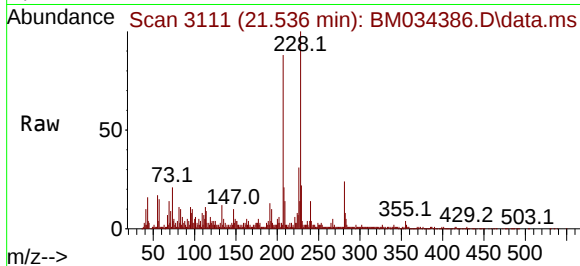




#81
Benzo(a)anthracene
Concen: 3.219 ng
RT: 21.536 min Scan# 3111
Delta R.T. 0.059 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

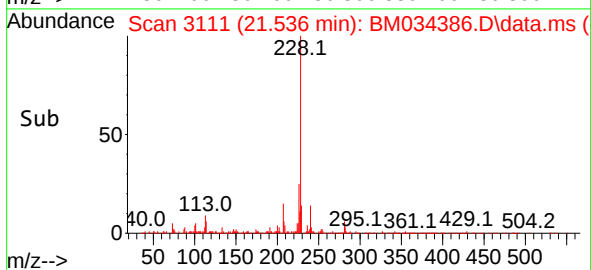
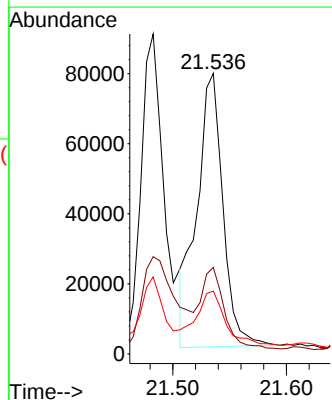
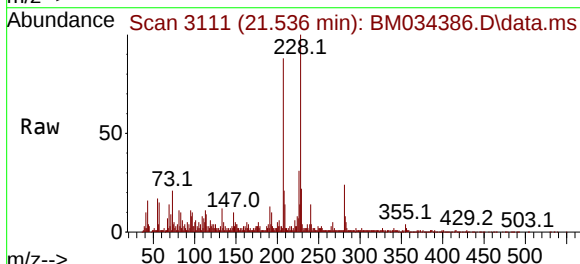
Instrument :
BNA_M
ClientSampleId :
RBR-200049

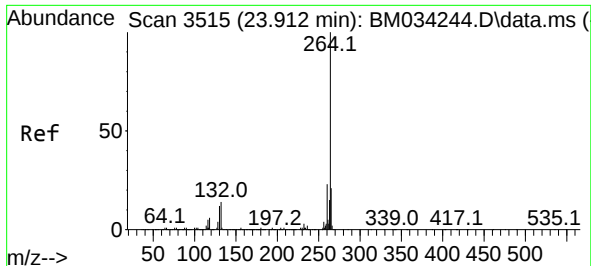
Tgt Ion:228 Resp: 124864
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 22.4 15.8 23.6



#83
Chrysene
Concen: 3.152 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:228 Resp: 124864
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.4 15.6 23.4

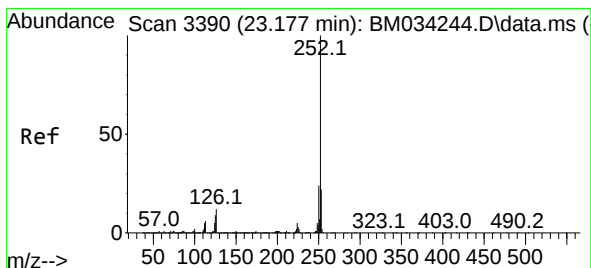
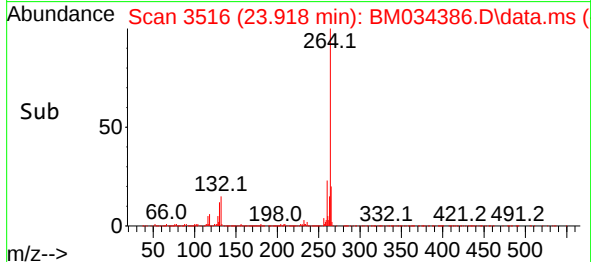
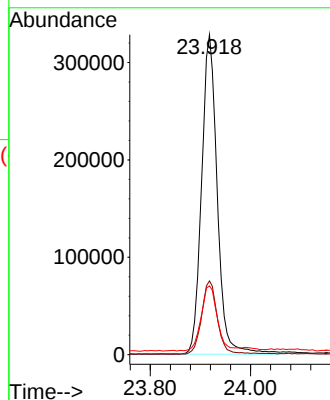
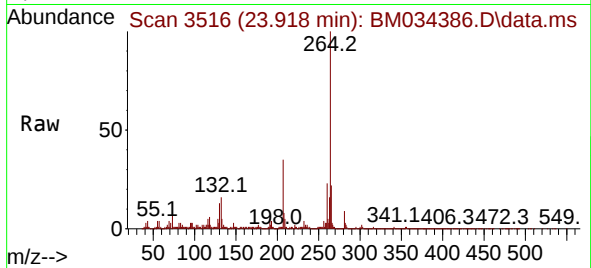




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 311
Delta R.T. 0.012 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

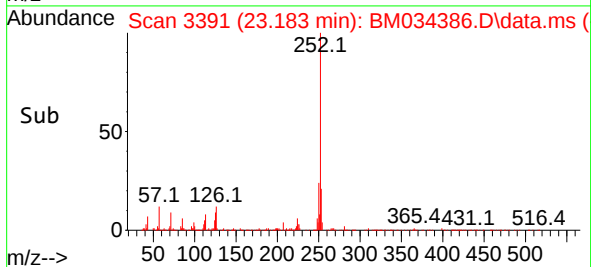
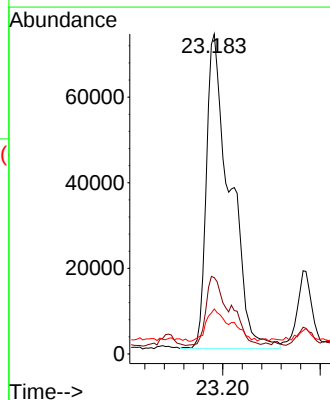
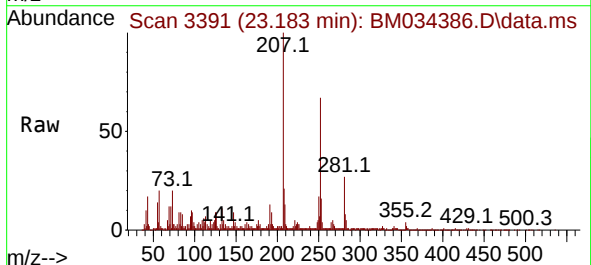
Instrument :
BNA_M
ClientSampleId :
RBR-200049

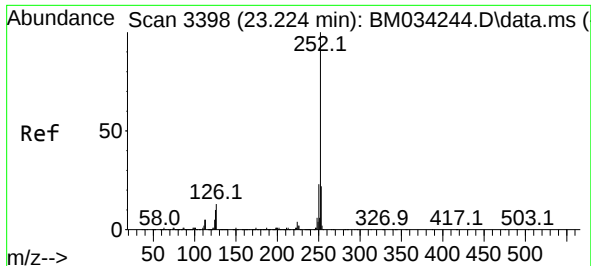
Tgt Ion:264 Resp: 711944
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.5 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 5.785 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:252 Resp: 246277
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 14.0 7.2 10.8#

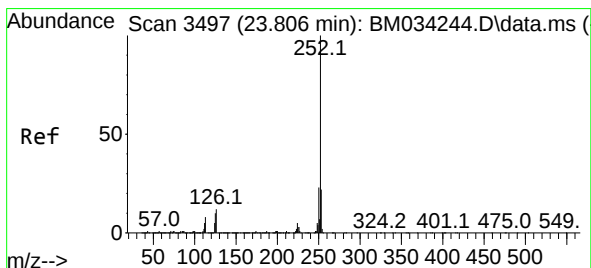
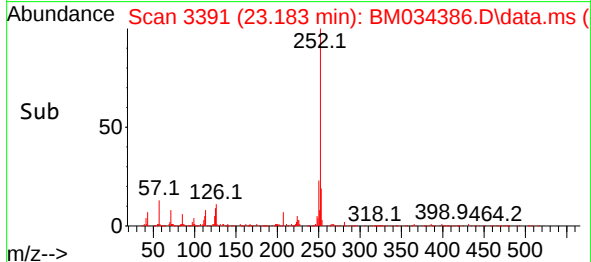
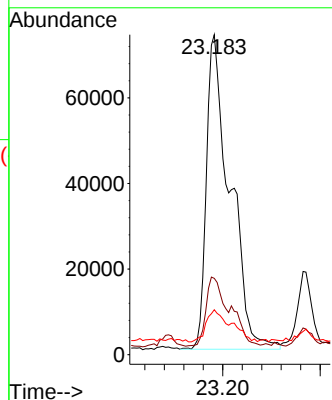
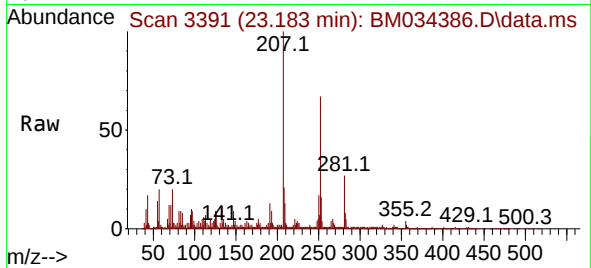




#89
Benzo(k)fluoranthene
Concen: 5.461 ng
RT: 23.183 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

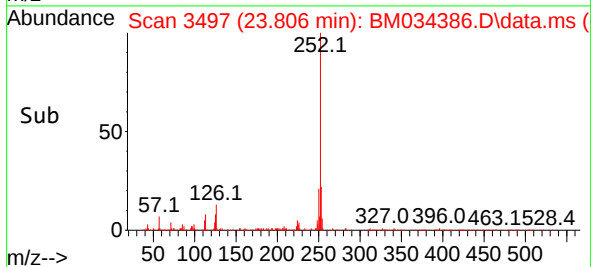
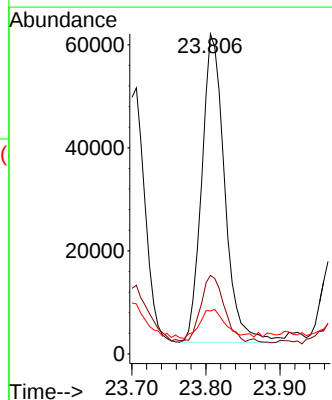
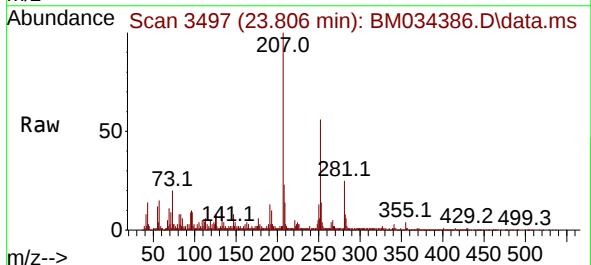
Instrument :
BNA_M
ClientSampleId :
RBR-200049

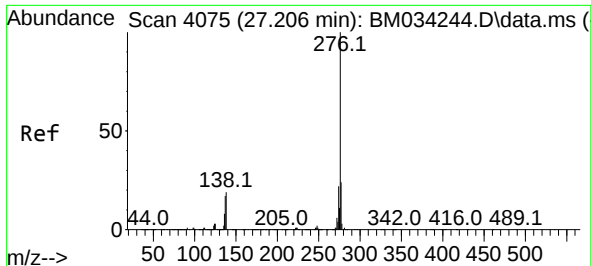
Tgt Ion:252 Resp: 246277
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 14.0 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 3.556 ng
RT: 23.806 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM034386.D
Acq: 25 Mar 2022 15:48

Tgt Ion:252 Resp: 128350
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.5 7.8 11.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.667 ng
 RT: 27.218 min Scan# 4077
 Delta R.T. 0.018 min
 Lab File: BM034386.D
 Acq: 25 Mar 2022 15:48

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200049

Tgt Ion:276 Resp: 102501
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.0 28.4
 138 22.6 15.6 23.4

