

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034385.D
 Acq On : 25 Mar 2022 15:12
 Operator : CG/JU
 Sample : N2103-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200031

Quant Time: Mar 26 05:38:45 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)

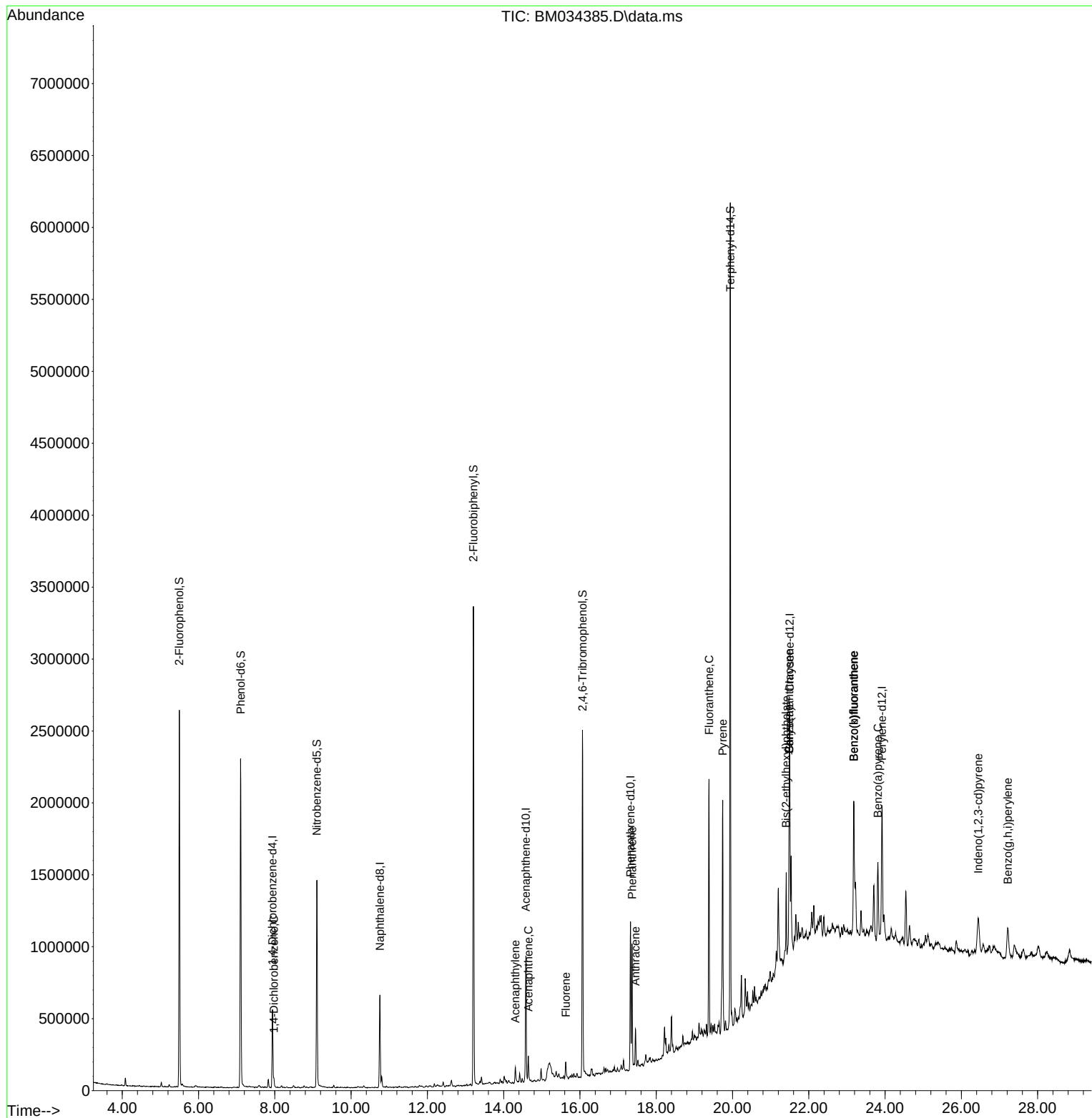
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	143374	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	532245	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	297864	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	586387	20.000	ng	0.00
76) Chrysene-d12	21.500	240	624520	20.000	ng	0.00
86) Perylene-d12	23.918	264	712656	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1026731	128.469	ng	0.00
7) Phenol-d6	7.101	99	1245562	108.852	ng	0.00
23) Nitrobenzene-d5	9.101	82	834984	76.380	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	440186	109.640	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1658827	76.101	ng	0.00
79) Terphenyl-d14	19.942	244	2588446	72.019	ng	0.00
Target Compounds						
						Qvalue
13) 1,4-Dichlorobenzene	7.972	146	23900	2.202	ng	98
49) Acenaphthylene	14.307	152	76651	2.821	ng	98
52) Acenaphthene	14.648	154	63218	3.454	ng	99
58) Fluorene	15.630	166	54202	2.448	ng	94
71) Phenanthrene	17.365	178	491685	14.973	ng	100
72) Anthracene	17.460	178	164640	5.151	ng	99
75) Fluoranthene	19.383	202	1001175	27.196	ng	99
78) Pyrene	19.742	202	937486	21.306	ng	100
81) Benzo(a)anthracene	21.483	228	415524	10.542	ng	95
83) Chrysene	21.483	228	415524	10.323	ng	98
84) Bis(2-ethylhexyl)phtha...	21.406	149	175630	6.391	ng	96
87) Indeno(1,2,3-cd)pyrene	26.441	276	261040	5.694	ng	98
88) Benzo(b)fluoranthene	23.183	252	519190	12.183	ng	# 95
89) Benzo(k)fluoranthene	23.183	252	519190	11.501	ng	# 95
90) Benzo(a)pyrene	23.812	252	419070	11.600	ng	# 95
92) Benzo(g,h,i)perylene	27.218	276	284103	7.384	ng	98

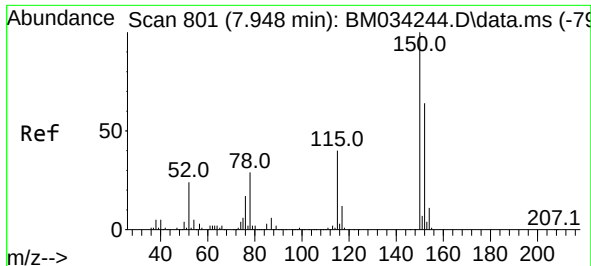
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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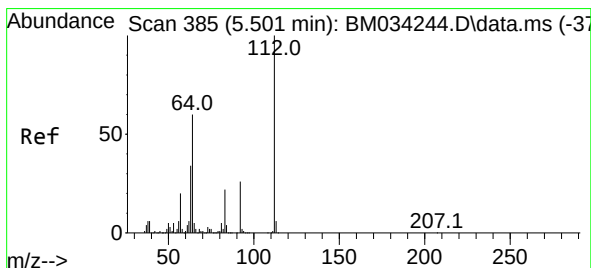
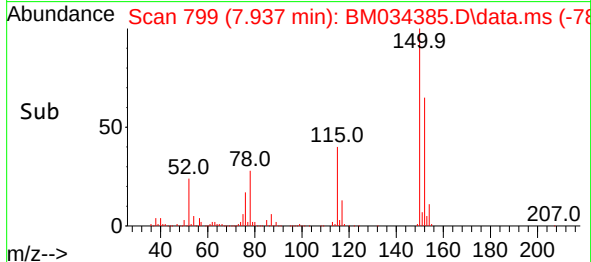
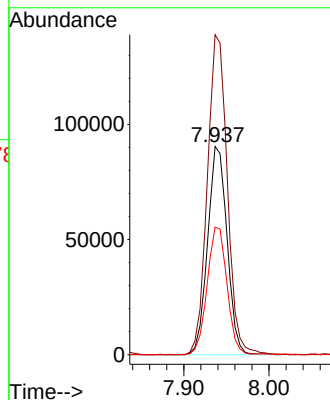
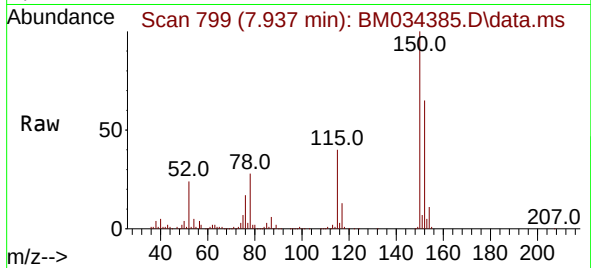




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

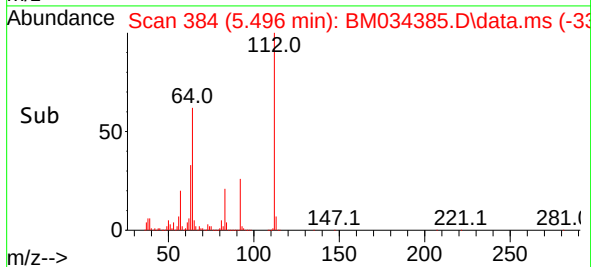
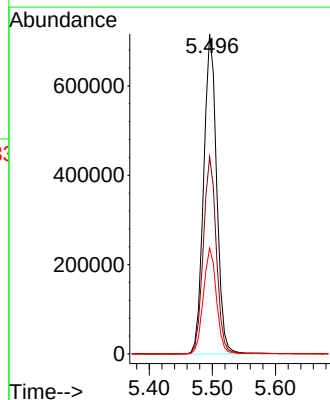
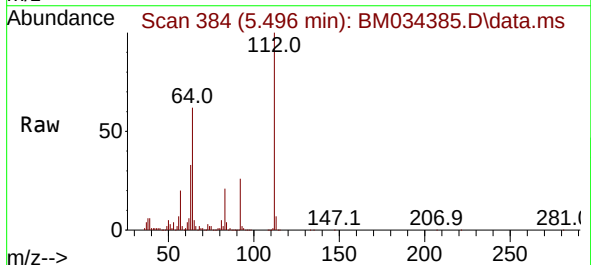
Instrument :
BNA_M
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RBR-200031

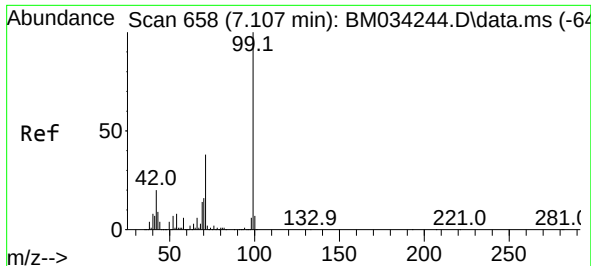
Tgt Ion:152 Resp: 143374
Ion Ratio Lower Upper
152 100
150 153.7 125.4 188.2
115 61.3 50.1 75.1



#5
2-Fluorophenol
Concen: 128.469 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:112 Resp: 1026731
Ion Ratio Lower Upper
112 100
64 61.5 47.9 71.9
63 33.1 27.1 40.7

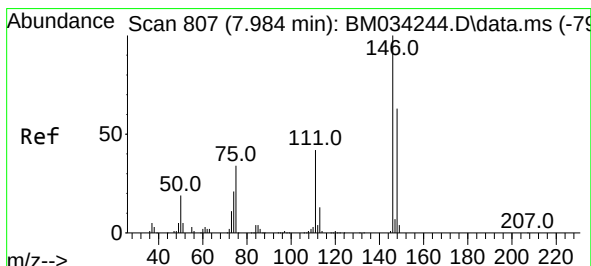
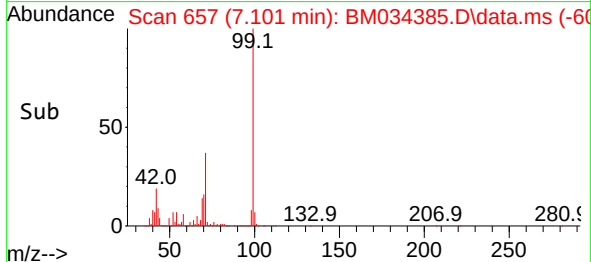
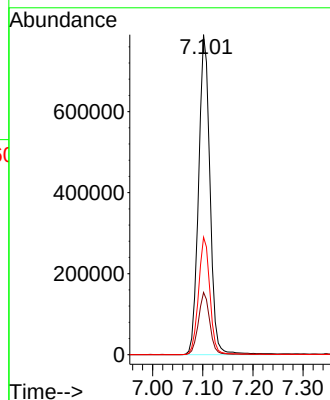
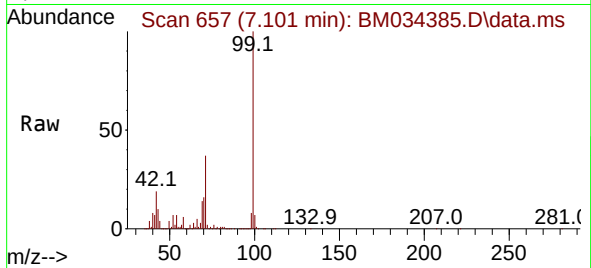




#7
Phenol-d6
Concen: 108.852 ng
RT: 7.101 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

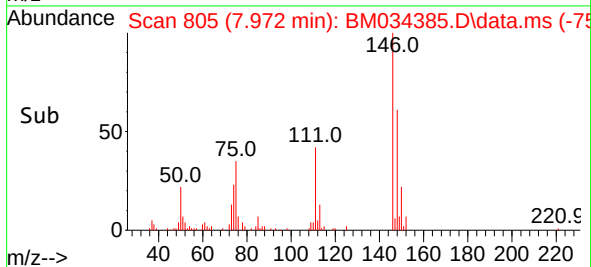
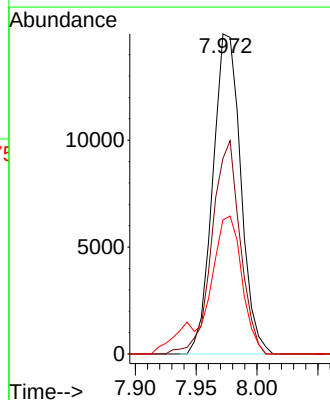
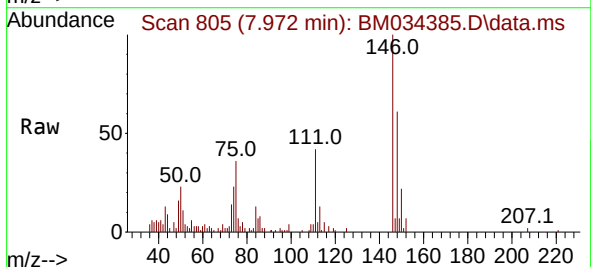
Instrument :
BNA_M
ClientSampleId :
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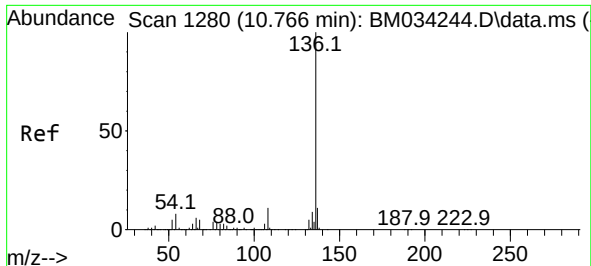
Tgt Ion: 99 Resp: 1245562
Ion Ratio Lower Upper
99 100
42 19.5 15.6 23.4
71 36.7 30.6 46.0



#13
1,4-Dichlorobenzene
Concen: 2.202 ng
RT: 7.972 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion: 146 Resp: 23900
Ion Ratio Lower Upper
146 100
148 61.1 50.6 76.0
111 41.9 34.0 51.0

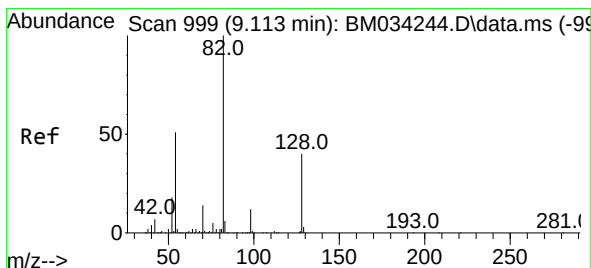
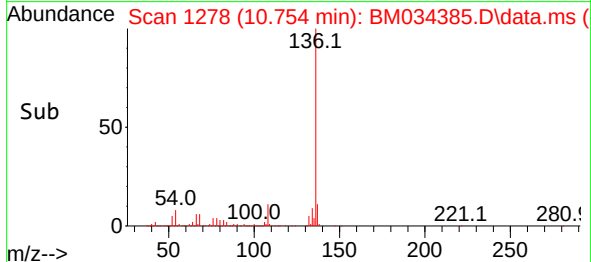
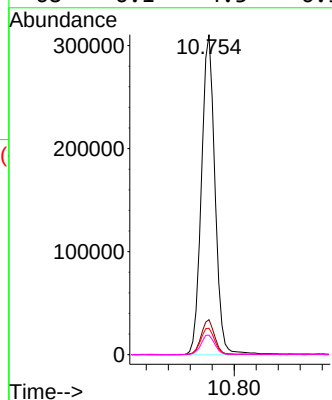
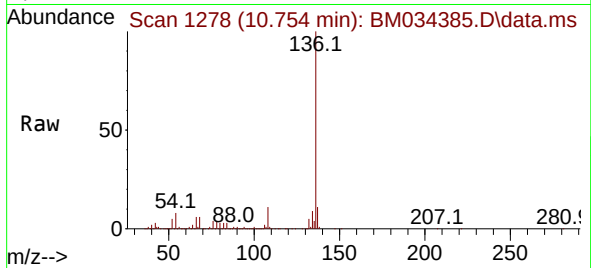




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

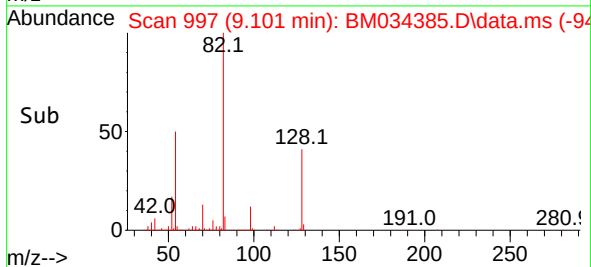
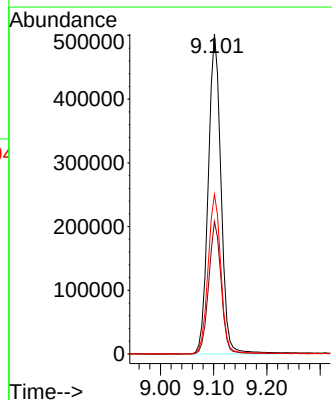
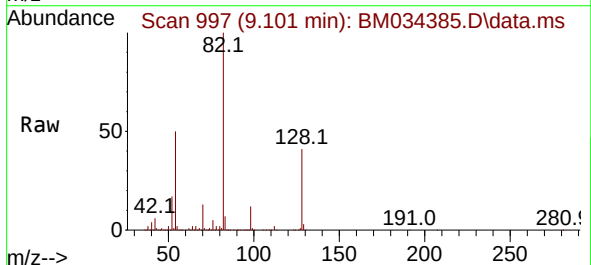
Instrument :
BNA_M
ClientSampleId :
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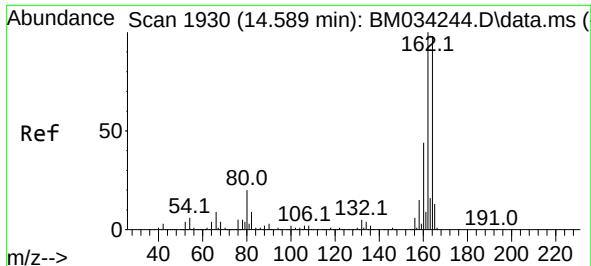
Tgt Ion:136 Resp: 532245
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.2 9.4
68 6.1 4.3 6.5



#23
Nitrobenzene-d5
Concen: 76.380 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion: 82 Resp: 834984
Ion Ratio Lower Upper
82 100
128 41.4 31.9 47.9
54 49.8 40.6 61.0

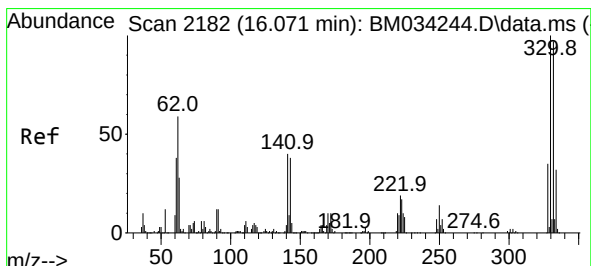
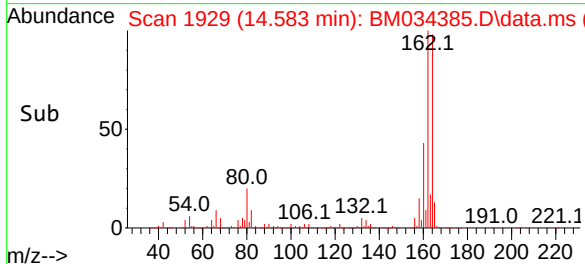
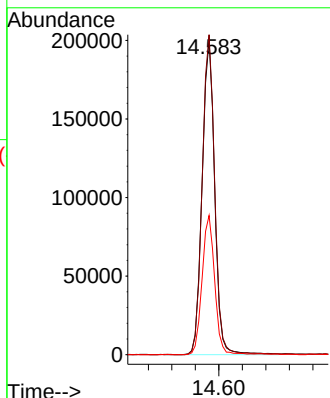
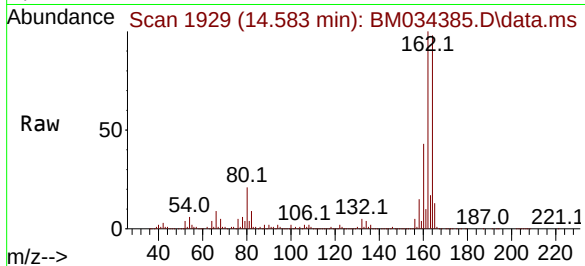




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

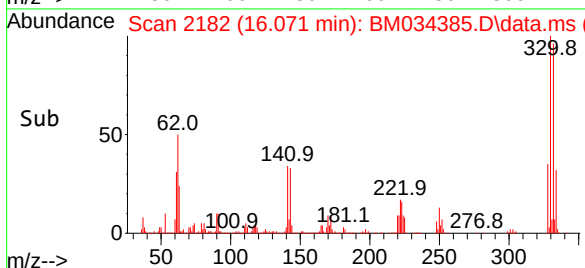
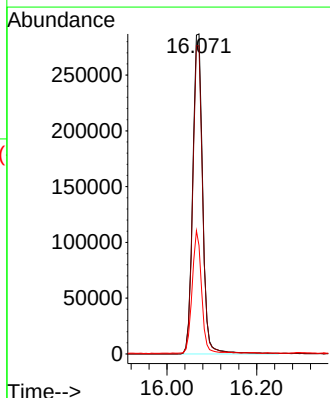
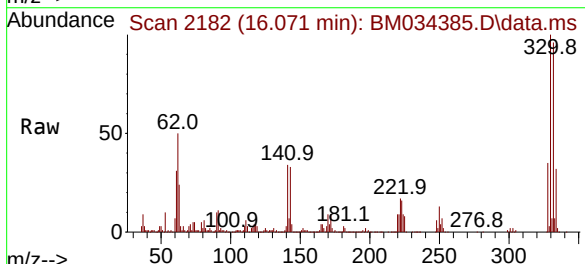
Instrument :
BNA_M
ClientSampleId :
RBR-200031

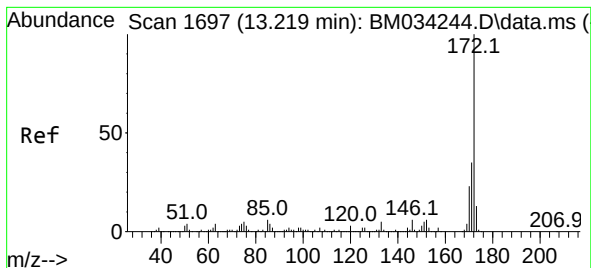
Tgt Ion:164 Resp: 297864
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.2 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 109.640 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:330 Resp: 440186
Ion Ratio Lower Upper
330 100
332 95.8 78.2 117.4
141 36.2 30.6 45.8

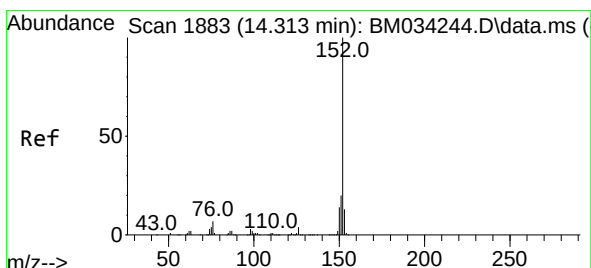
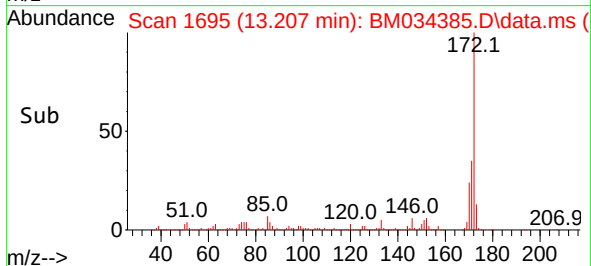
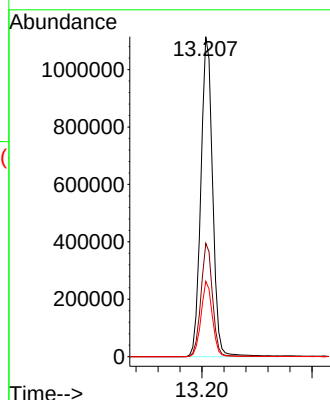
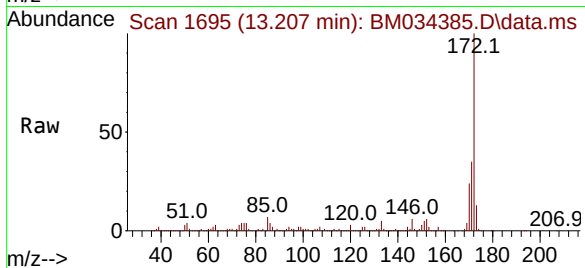




#45
2-Fluorobiphenyl
Concen: 76.101 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

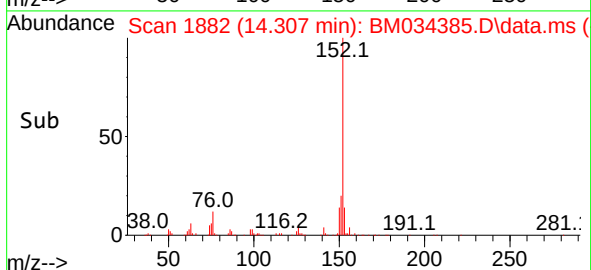
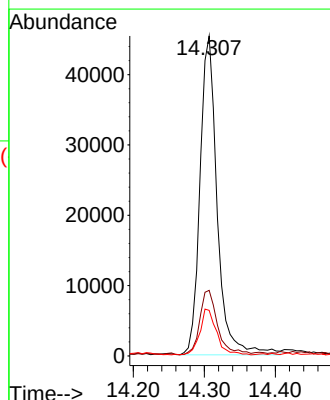
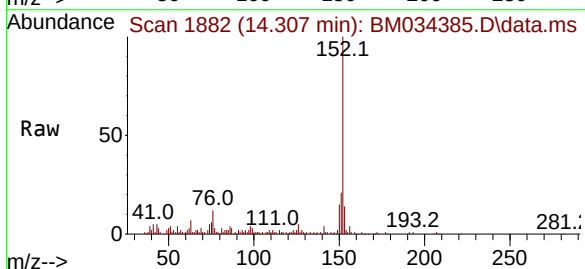
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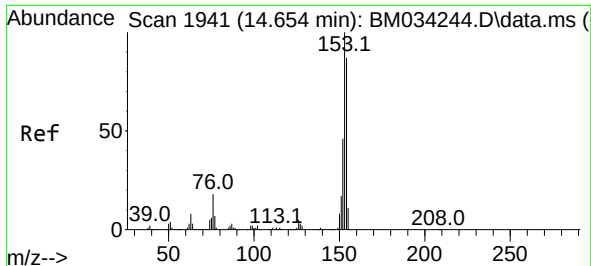
Tgt Ion:172 Resp: 1658827
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.5 18.6 28.0



#49
Acenaphthylene
Concen: 2.821 ng
RT: 14.307 min Scan# 1882
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:152 Resp: 76651
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 14.2 10.6 16.0

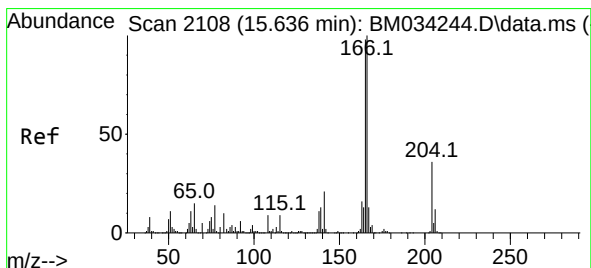
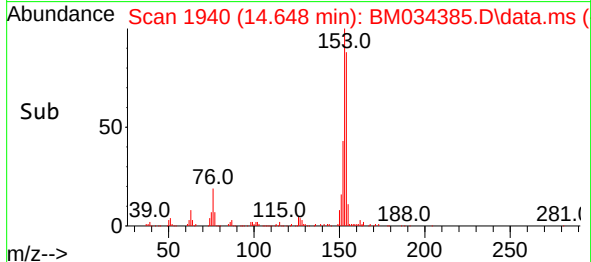
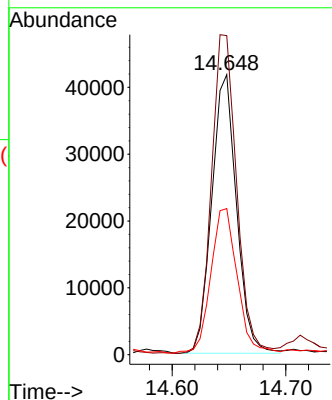
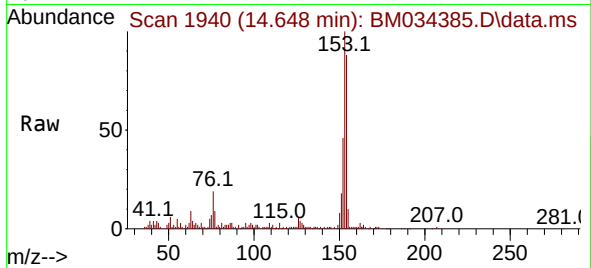




#52
Acenaphthene
Concen: 3.454 ng
RT: 14.648 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

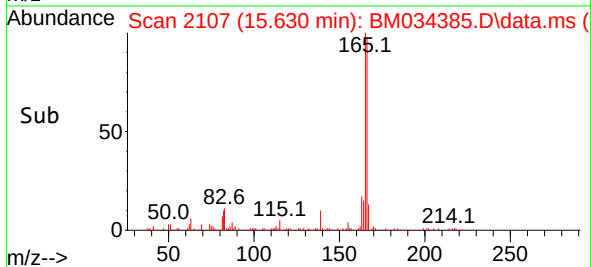
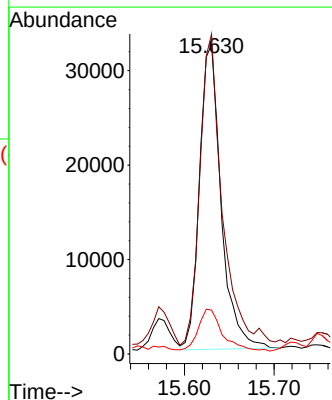
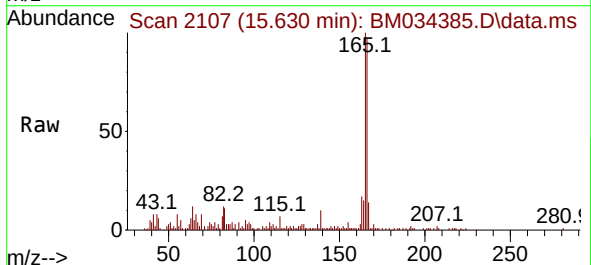
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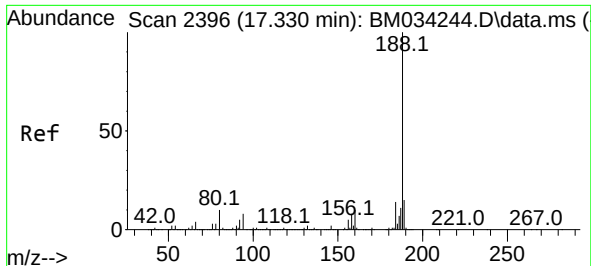
Tgt Ion:154 Resp: 63218
Ion Ratio Lower Upper
154 100
153 113.9 91.8 137.8
152 52.2 42.6 64.0



#58
Fluorene
Concen: 2.448 ng
RT: 15.630 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:166 Resp: 54202
Ion Ratio Lower Upper
166 100
165 103.4 78.0 117.0
167 14.1 10.5 15.7

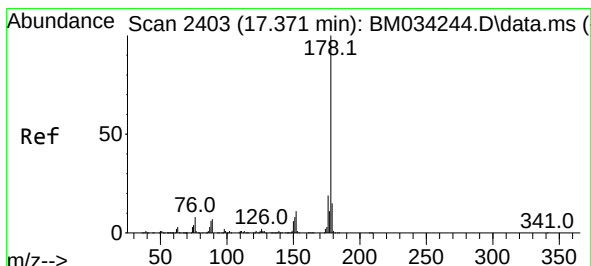
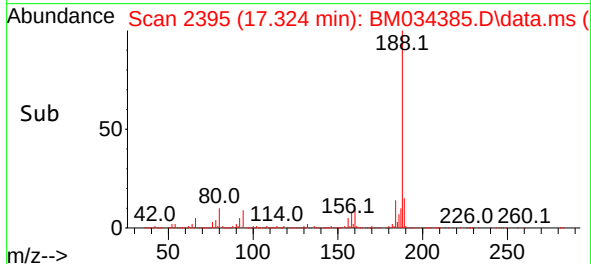
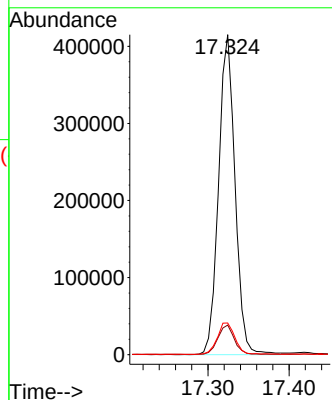
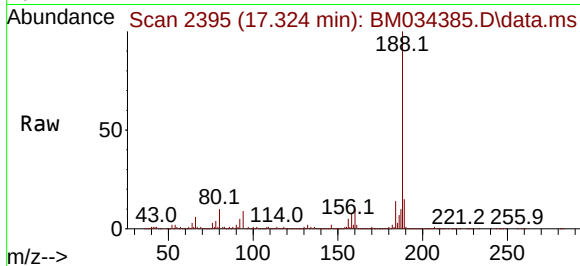




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

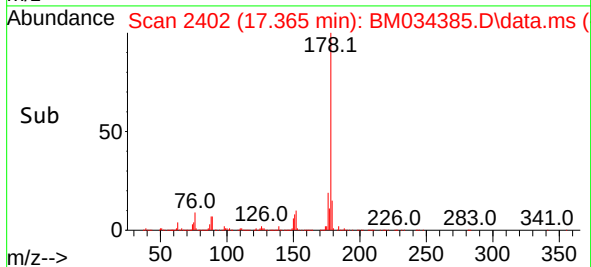
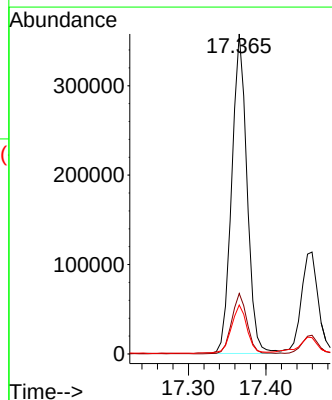
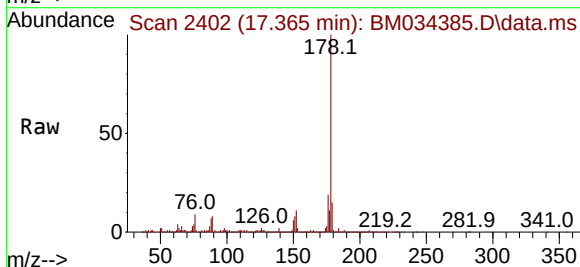
Instrument :
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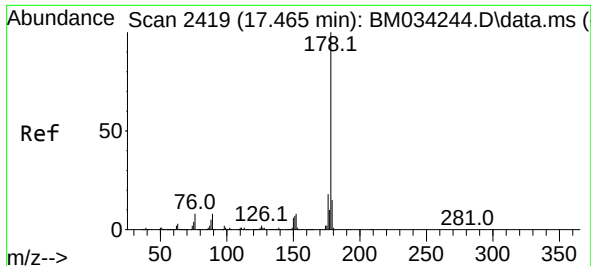
Tgt Ion:188 Resp: 586387
Ion Ratio Lower Upper
188 100
94 9.2 6.6 9.8
80 9.9 7.8 11.8



#71
Phenanthrene
Concen: 14.973 ng
RT: 17.365 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:178 Resp: 491685
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.2 18.4

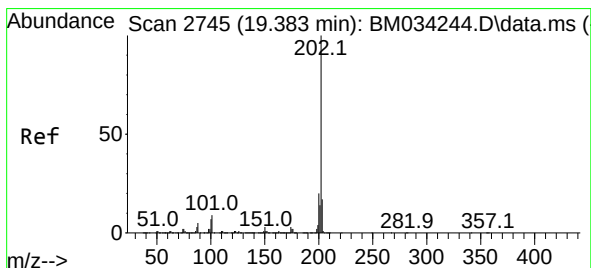
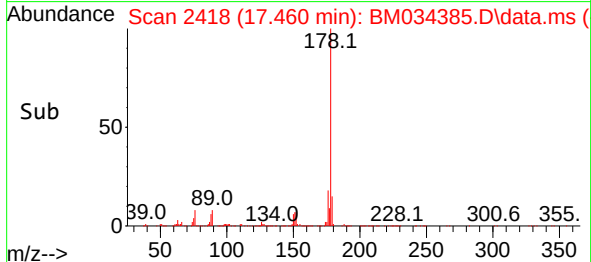
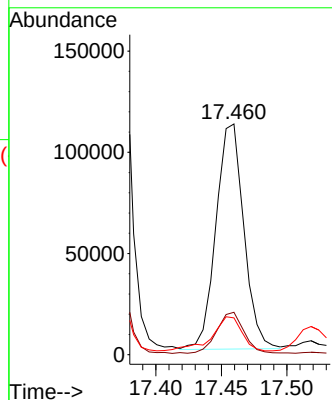
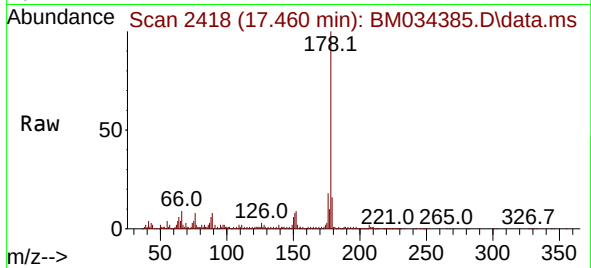




#72
 Anthracene
 Concen: 5.151 ng
 RT: 17.460 min Scan# 2419
 Delta R.T. 0.006 min
 Lab File: BM034385.D
 Acq: 25 Mar 2022 15:12

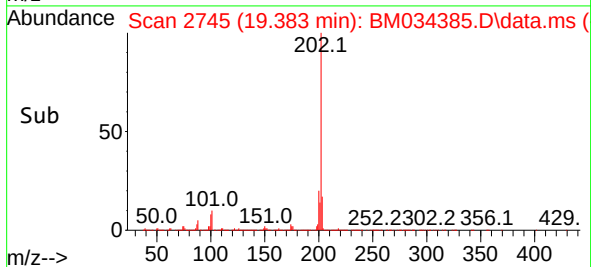
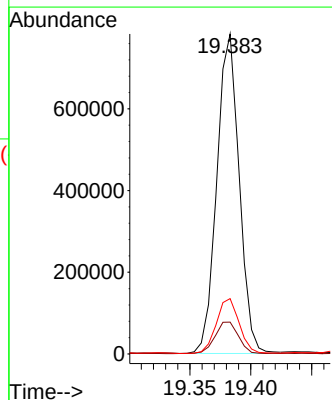
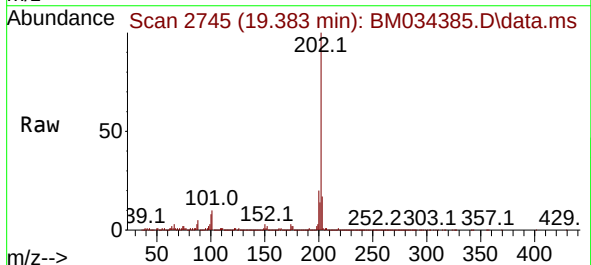
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200031

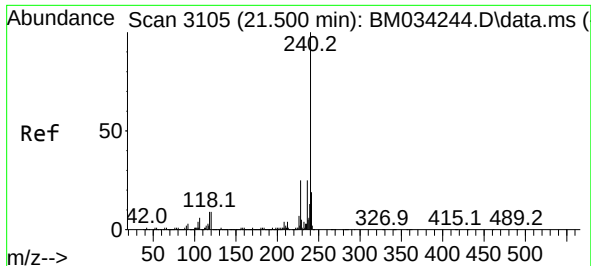
Tgt Ion:178 Resp: 164640
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 16.0 12.2 18.2



#75
 Fluoranthene
 Concen: 27.196 ng
 RT: 19.383 min Scan# 2745
 Delta R.T. 0.006 min
 Lab File: BM034385.D
 Acq: 25 Mar 2022 15:12

Tgt Ion:202 Resp: 1001175
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.4
 203 17.3 0.0 37.1

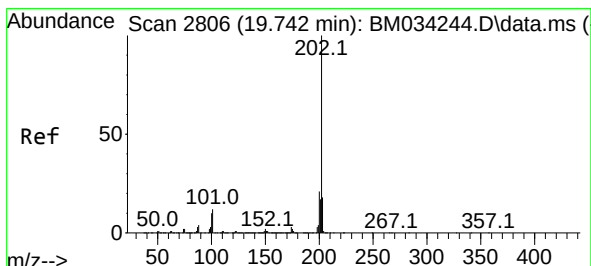
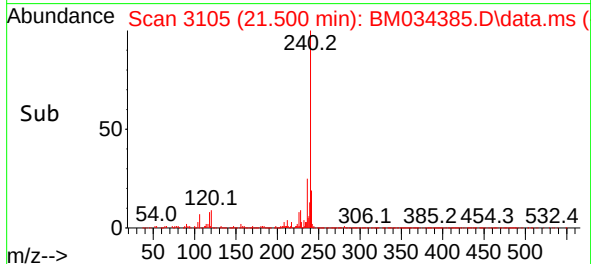
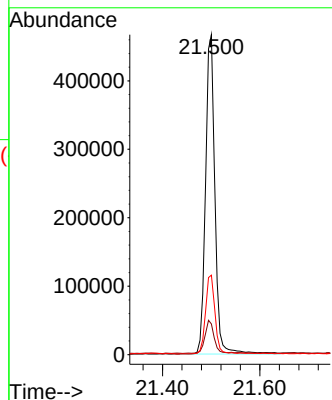
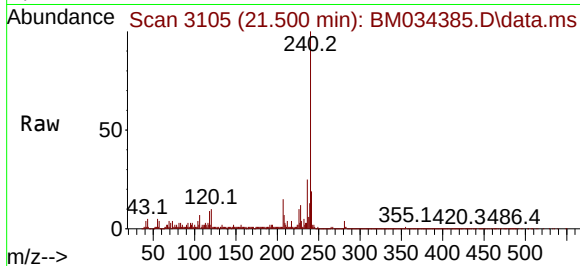




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

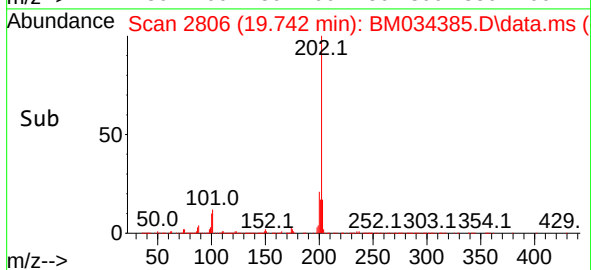
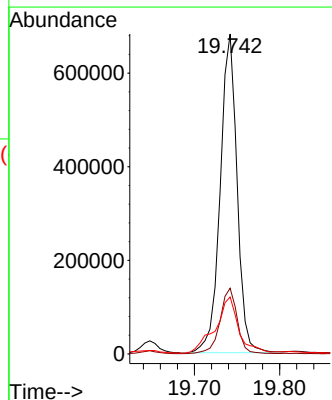
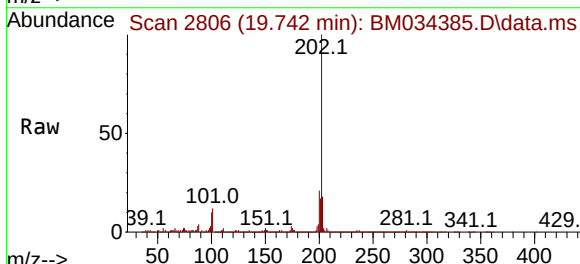
Instrument :
BNA_M
ClientSampleId :
RBR-200031

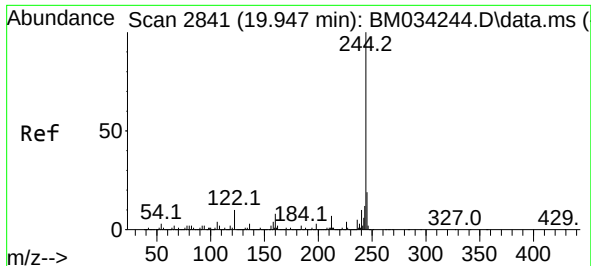
Tgt Ion:240 Resp: 624520
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 24.8 20.2 30.2



#78
Pyrene
Concen: 21.306 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:202 Resp: 937486
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.8 14.1 21.1

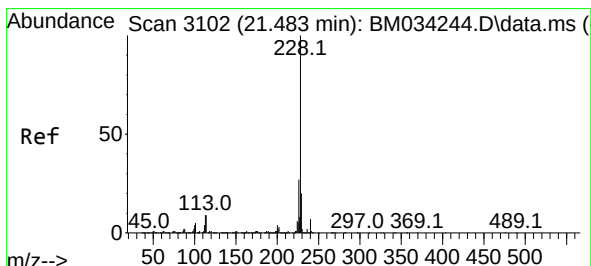
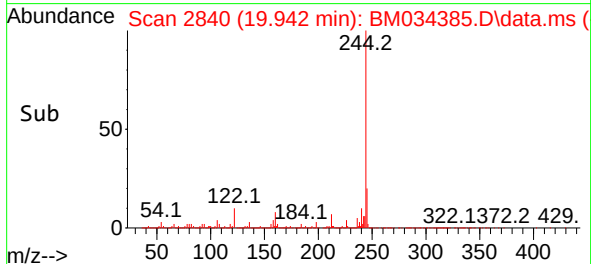
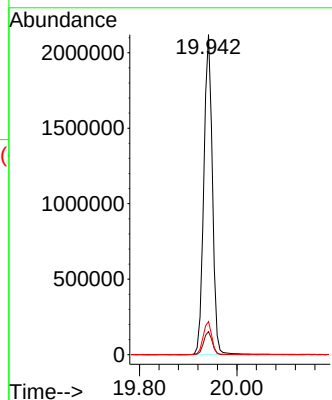
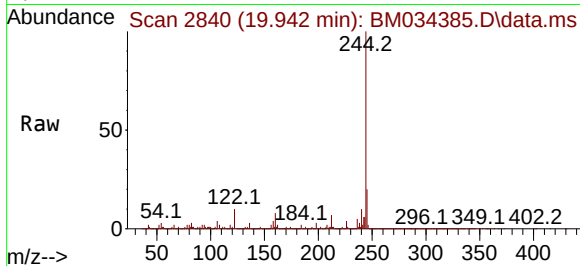




#79
 Terphenyl-d14
 Concen: 72.019 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM034385.D
 Acq: 25 Mar 2022 15:12

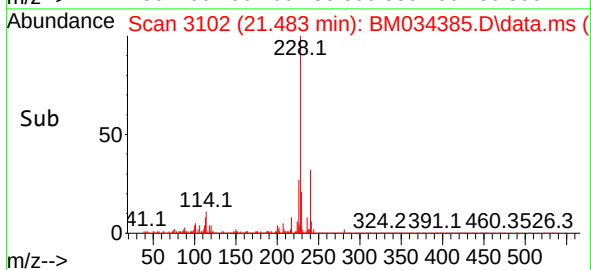
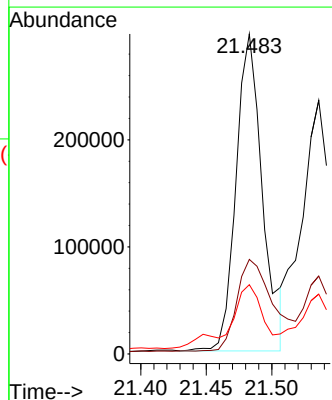
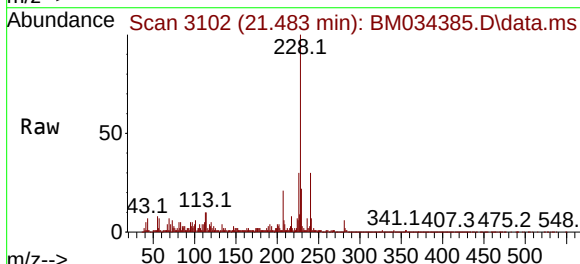
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200031

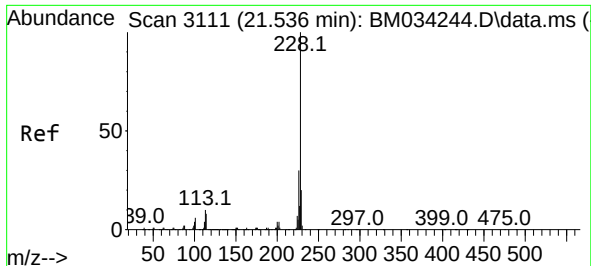
Tgt Ion:244 Resp: 2588446
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.4 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 10.542 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. 0.006 min
 Lab File: BM034385.D
 Acq: 25 Mar 2022 15:12

Tgt Ion:228 Resp: 415524
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.6 32.4
 229 21.7 15.8 23.6

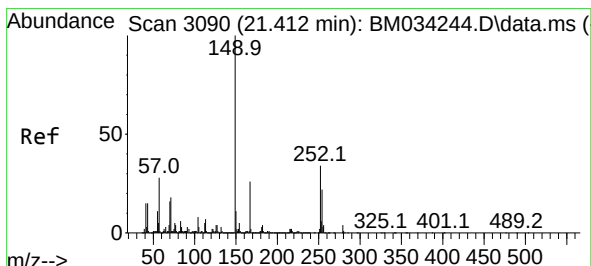
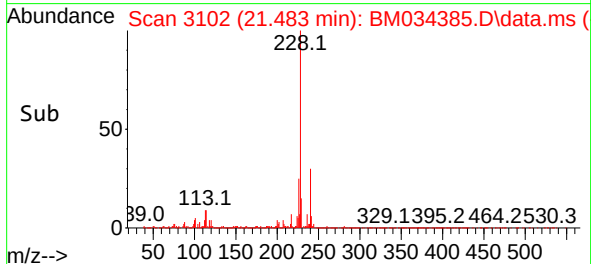
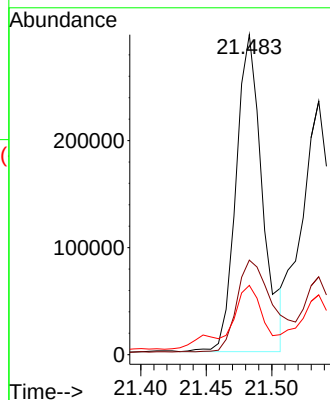
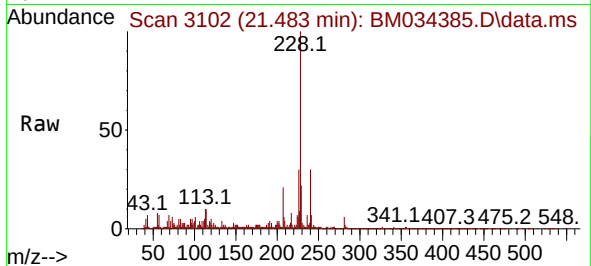




#83
Chrysene
Concen: 10.323 ng
RT: 21.483 min Scan# 3111
Delta R.T. -0.053 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

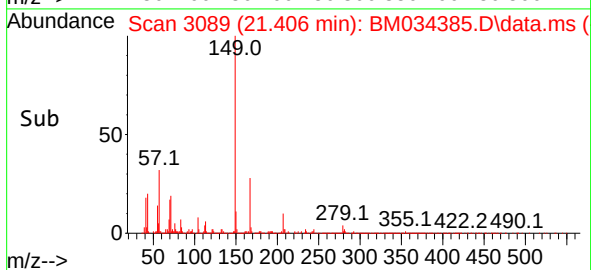
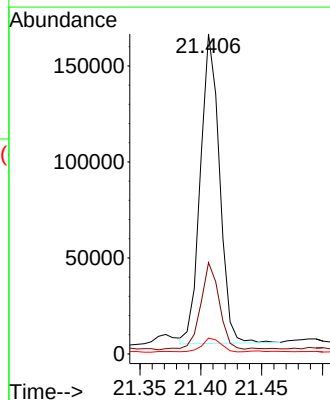
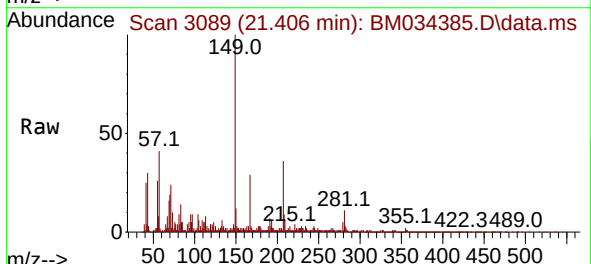
Instrument :
BNA_M
ClientSampleId :
RBR-200031

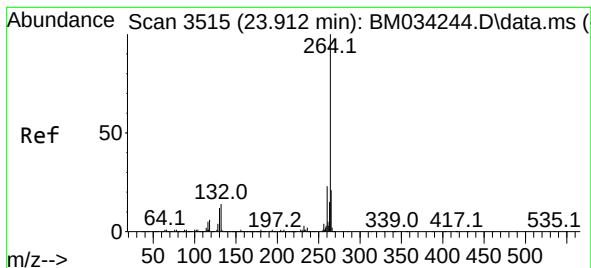
Tgt Ion:228 Resp: 415524
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 21.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.391 ng
RT: 21.406 min Scan# 3089
Delta R.T. 0.000 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:149 Resp: 175630
Ion Ratio Lower Upper
149 100
167 28.5 21.2 31.8
279 4.9 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.918 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM034385.D

Acq: 25 Mar 2022 15:12

Instrument :

BNA_M

ClientSampleId :

RBR-200031

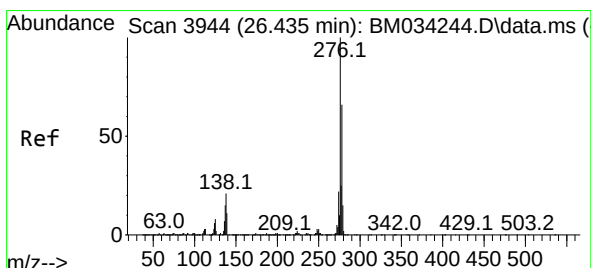
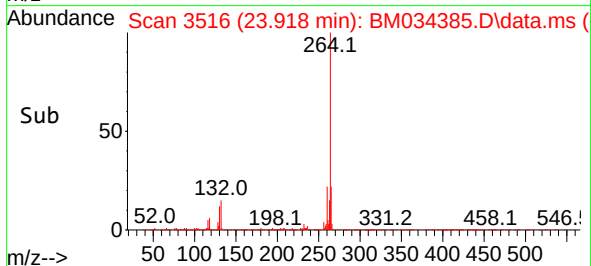
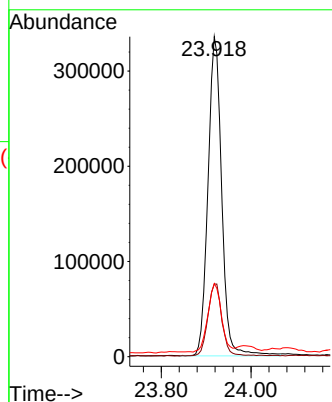
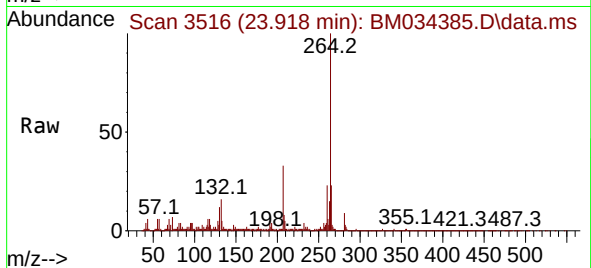
Tgt Ion:264 Resp: 712656

Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 22.9 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.694 ng

RT: 26.441 min Scan# 3945

Delta R.T. 0.018 min

Lab File: BM034385.D

Acq: 25 Mar 2022 15:12

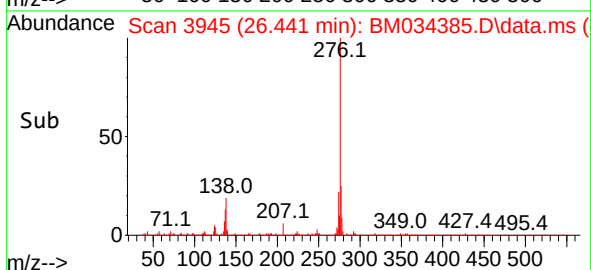
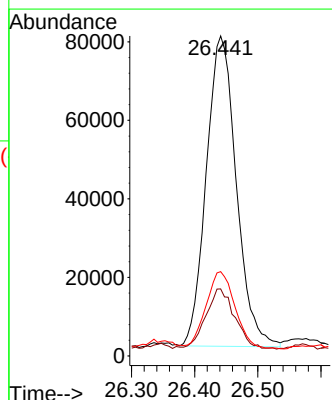
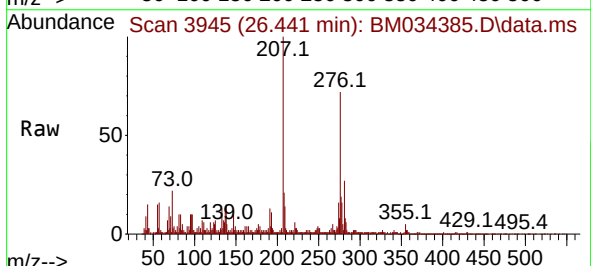
Tgt Ion:276 Resp: 261040

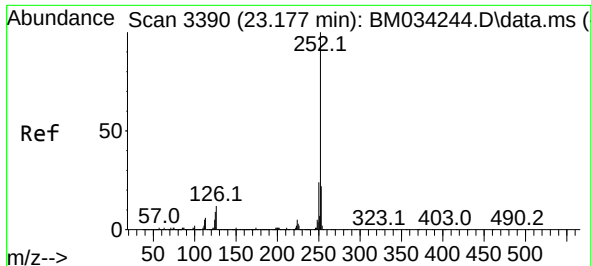
Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.3 19.8 29.6

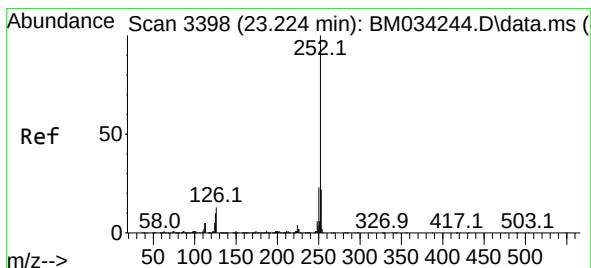
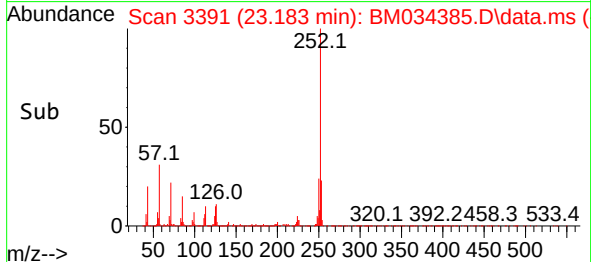
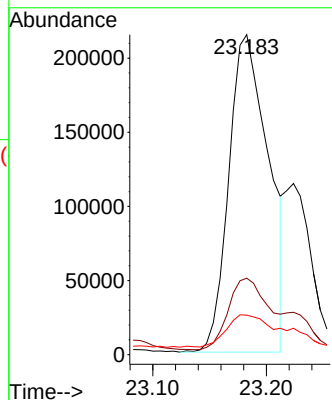
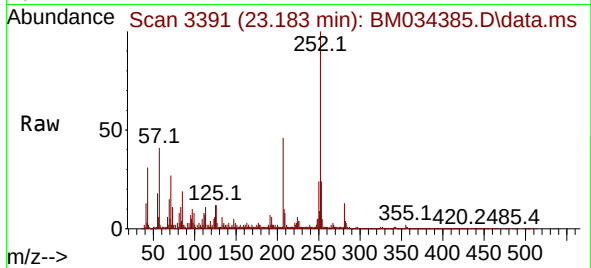




#88
Benzo(b)fluoranthene
Concen: 12.183 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

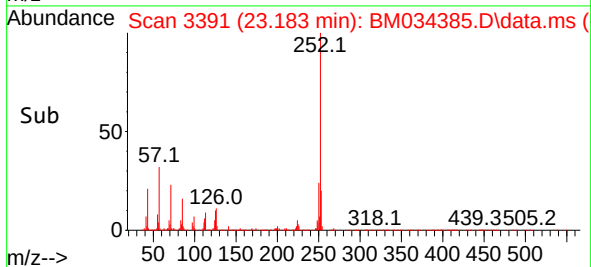
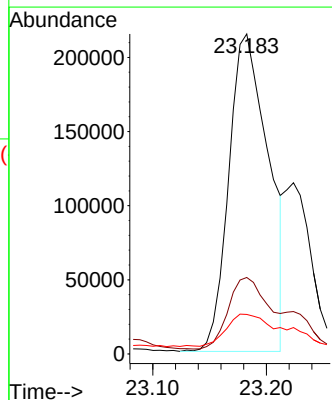
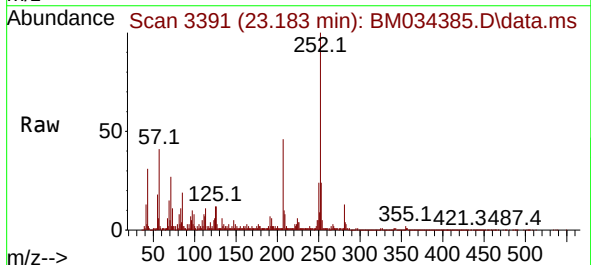
Instrument :
BNA_M
ClientSampleId :
RBR-200031

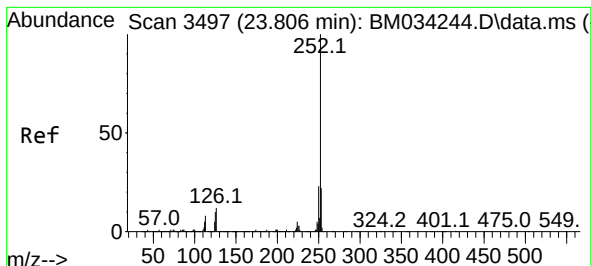
Tgt Ion:252 Resp: 519190
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 12.3 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 11.501 ng
RT: 23.183 min Scan# 3391
Delta R.T. -0.041 min
Lab File: BM034385.D
Acq: 25 Mar 2022 15:12

Tgt Ion:252 Resp: 519190
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 11.600 ng

RT: 23.812 min Scan# 34

Delta R.T. 0.012 min

Lab File: BM034385.D

Acq: 25 Mar 2022 15:12

Instrument :

BNA_M

ClientSampleId :

RBR-200031

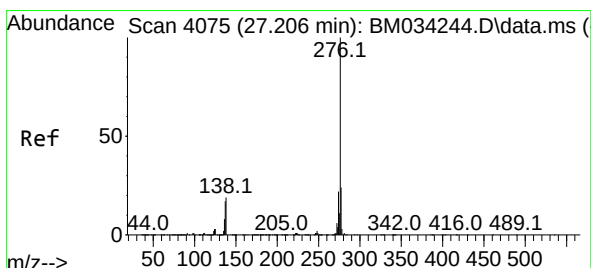
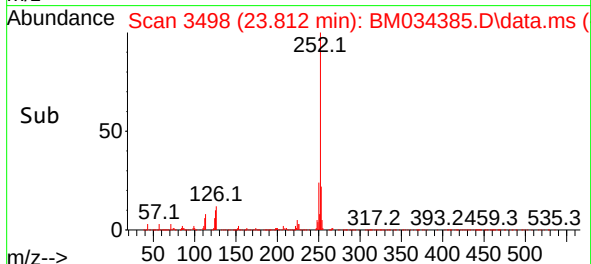
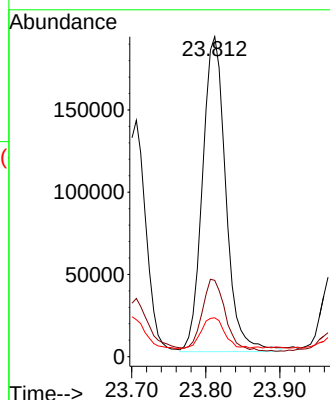
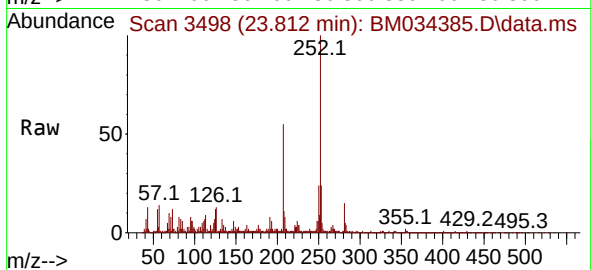
Tgt Ion:252 Resp: 419070

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.2 7.8 11.6#



#92

Benzo(g,h,i)perylene

Concen: 7.384 ng

RT: 27.218 min Scan# 4077

Delta R.T. 0.018 min

Lab File: BM034385.D

Acq: 25 Mar 2022 15:12

Tgt Ion:276 Resp: 284103

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 20.2 15.6 23.4

