

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081022\
 Data File : BM036203.D
 Acq On : 10 Aug 2022 21:49
 Operator : CG/JU
 Sample : N4122-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027

Quant Time: Aug 10 23:42:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 22:19:26 2022
 Response via : Initial Calibration

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

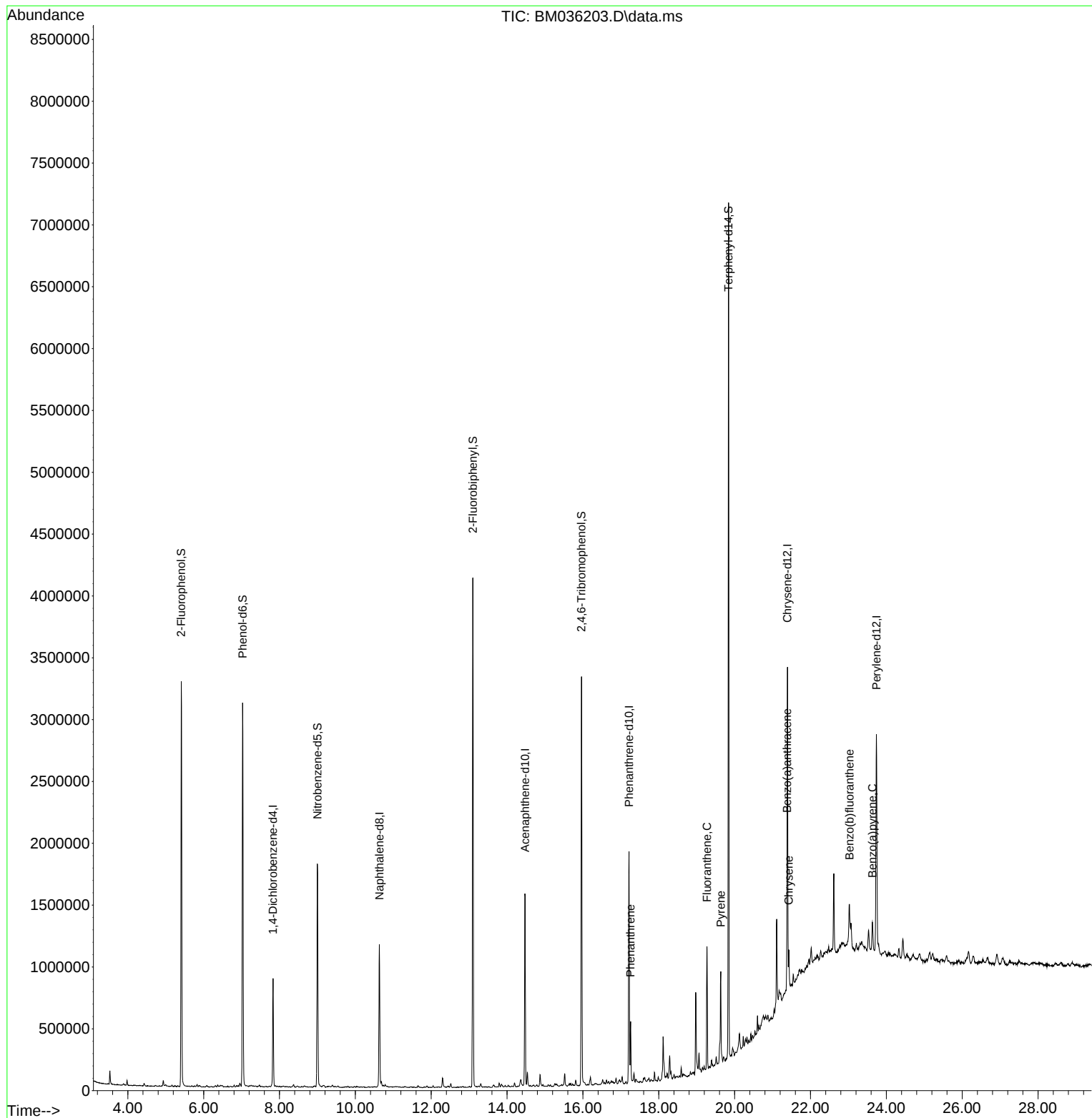
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	237069	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	958542	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	537175	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1083913	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1129429	20.000	ng	0.00
86) Perylene-d12	23.739	264	1235144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1417751	96.957	ng	0.00
7) Phenol-d6	7.028	99	1774548	95.375	ng	0.00
23) Nitrobenzene-d5	8.998	82	1038675	60.657	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	576234	91.440	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	2039483	56.057	ng	0.00
79) Terphenyl-d14	19.839	244	3092413	54.006	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.257	178	278537	5.044	ng	99
75) Fluoranthene	19.268	202	563591	9.118	ng	98
78) Pyrene	19.633	202	440392	6.288	ng	99
81) Benzo(a)anthracene	21.380	228	155539	2.236	ng	97
83) Chrysene	21.427	228	161087	2.436	ng	95
88) Benzo(b)fluoranthene	23.027	252	210534	2.909	ng	# 91
90) Benzo(a)pyrene	23.633	252	130162	2.144	ng	# 93

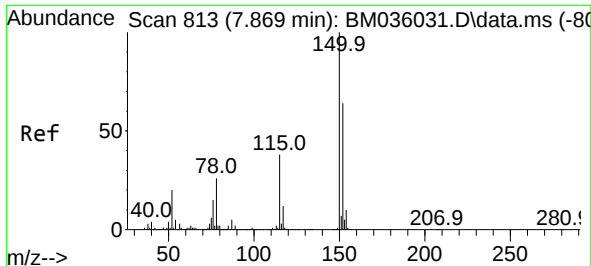
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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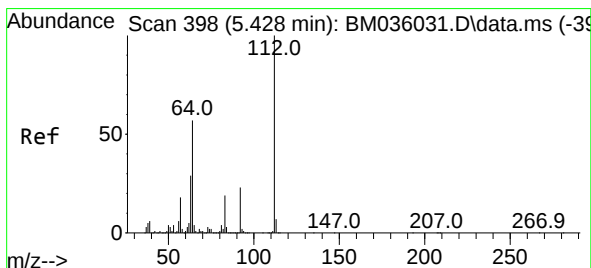
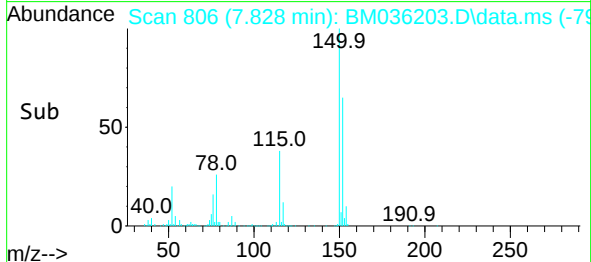
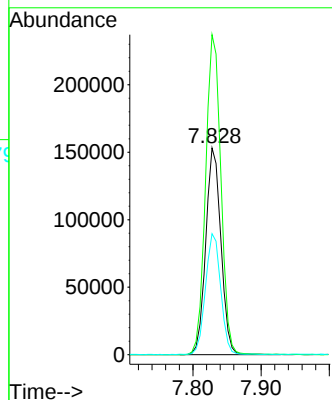
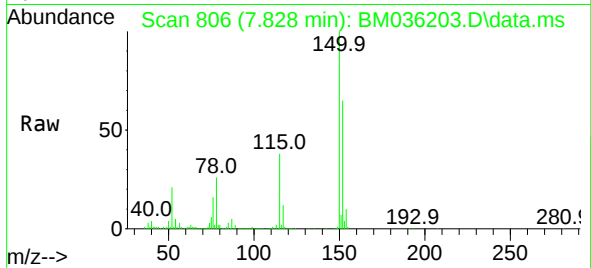




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

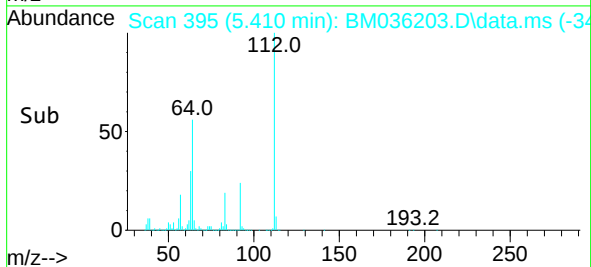
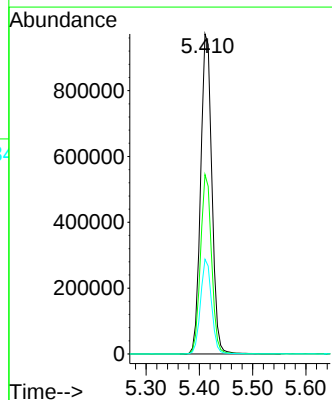
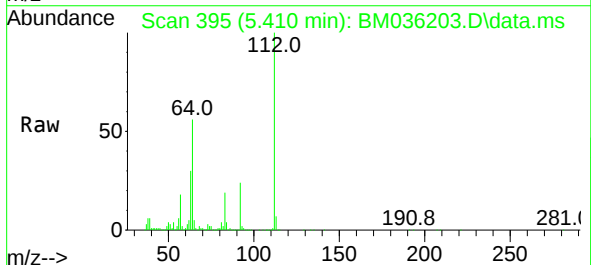
Instrument :
BNA_M
ClientSampleId :
RBR-200027

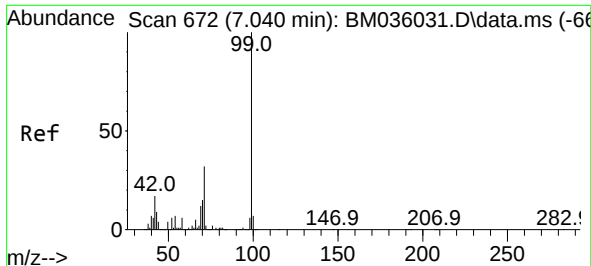
Tgt Ion:152 Resp: 237069
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 58.5 47.9 71.9



#5
2-Fluorophenol
Concen: 96.957 ng
RT: 5.410 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:112 Resp: 1417751
Ion Ratio Lower Upper
112 100
64 56.1 47.8 71.6
63 29.6 26.6 40.0

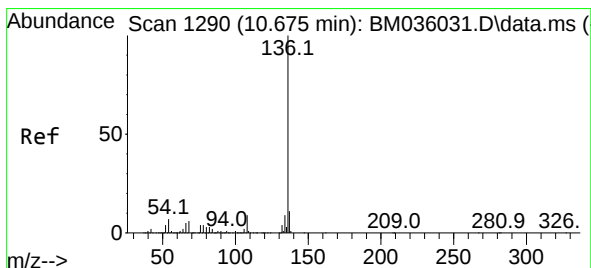
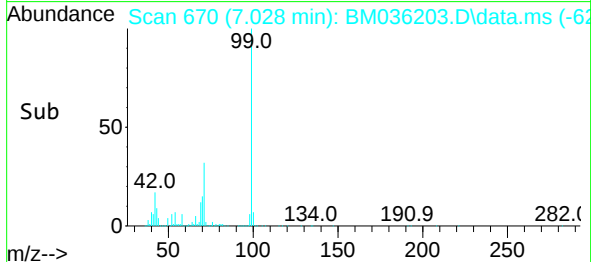
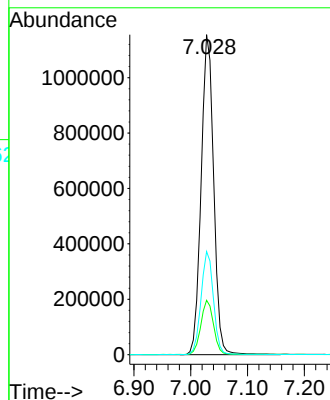
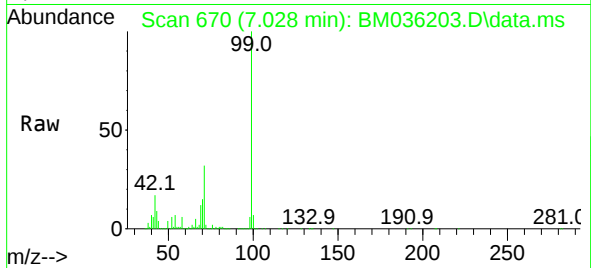




#7
Phenol-d6
Concen: 95.375 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

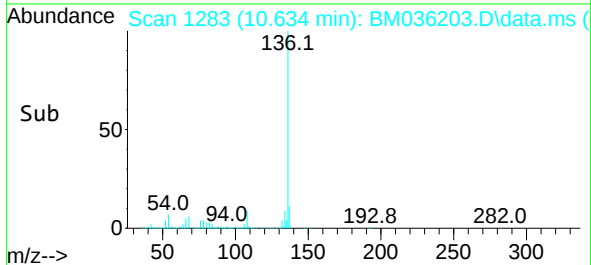
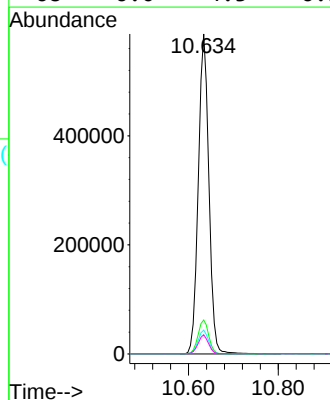
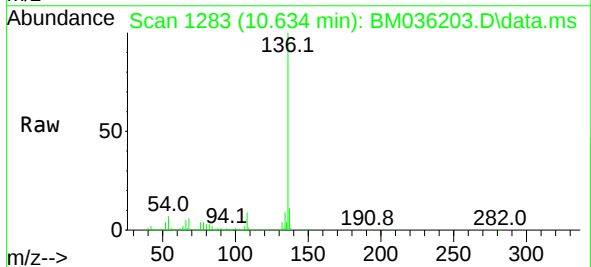
Instrument :
BNA_M
ClientSampleId :
RBR-200027

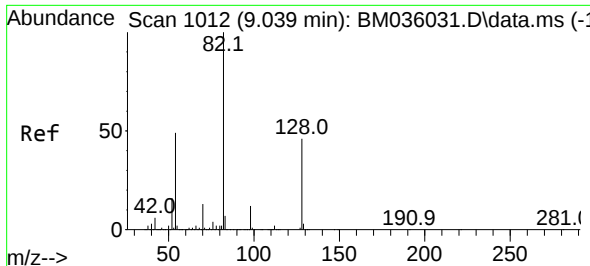
Tgt Ion: 99 Resp: 1774548
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2#
71 32.2 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion: 136 Resp: 958542
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.5 7.0 10.4
68 6.0 4.3 6.5

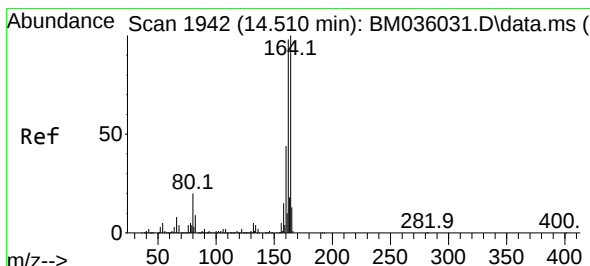
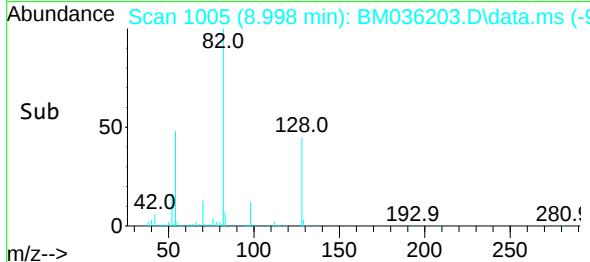
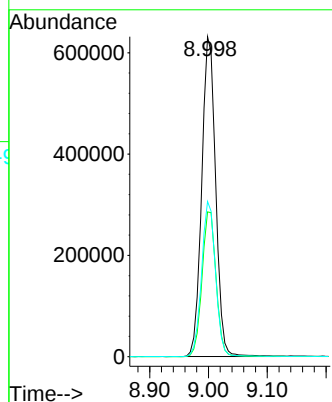
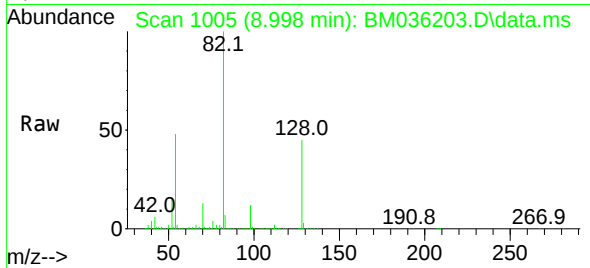




#23
Nitrobenzene-d5
Concen: 60.657 ng
RT: 8.998 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

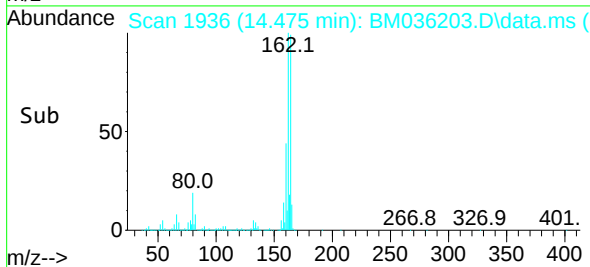
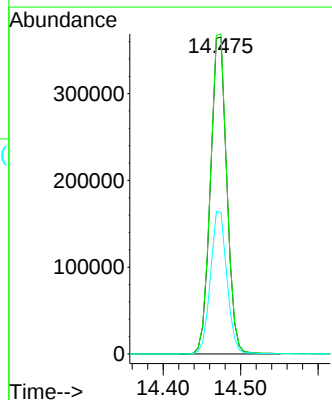
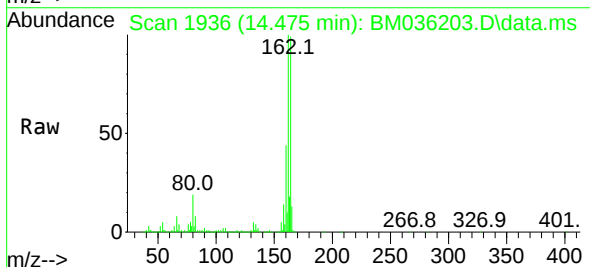
Instrument :
BNA_M
ClientSampleId :
RBR-200027

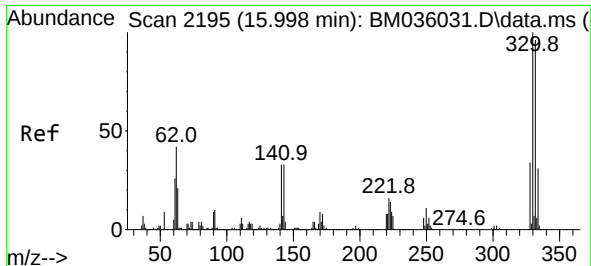
Tgt Ion: 82 Resp: 1038675
Ion Ratio Lower Upper
82 100
128 45.3 33.7 50.5
54 48.5 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:164 Resp: 537175
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.6
160 44.7 37.0 55.4

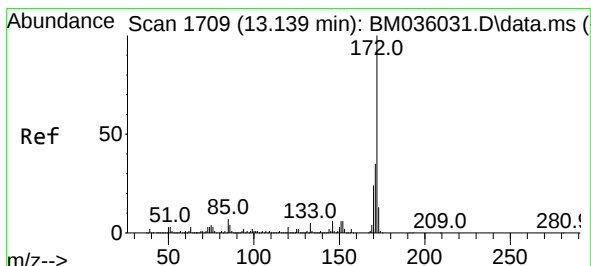
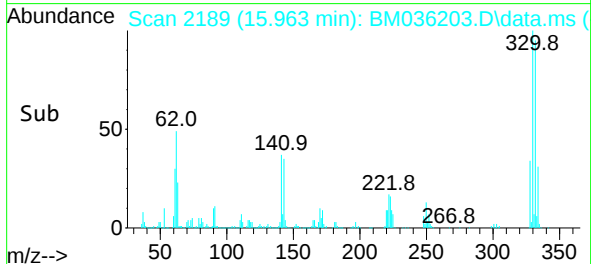
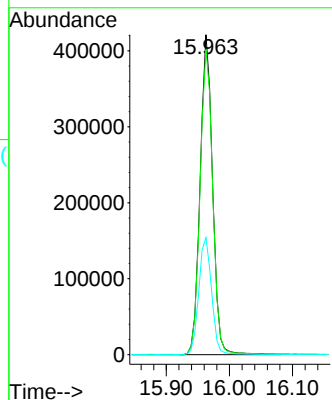
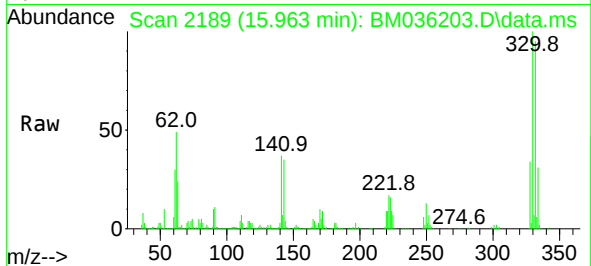




#42
2,4,6-Tribromophenol
Concen: 91.440 ng
RT: 15.963 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

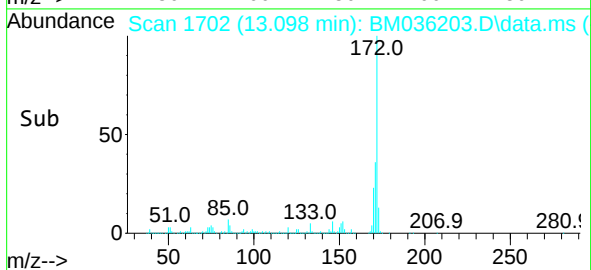
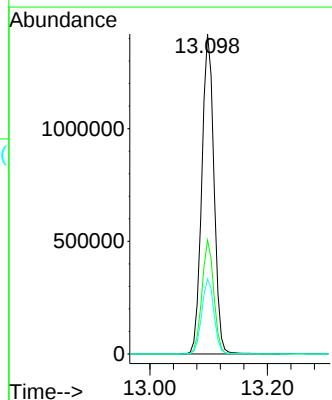
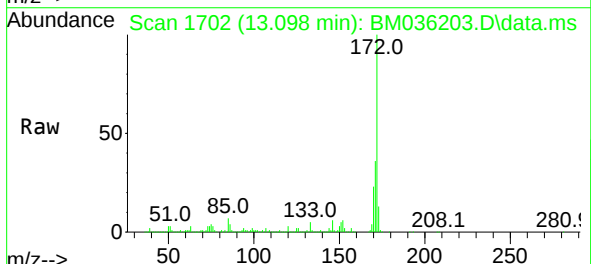
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BNA_M
ClientSampleId :
RBR-200027

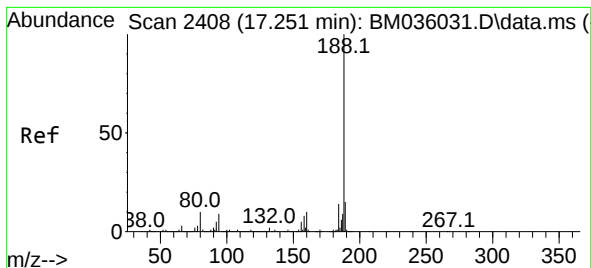
Tgt Ion:330 Resp: 576234
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.4
141 37.6 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 56.057 ng
RT: 13.098 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:172 Resp: 2039483
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.4 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.216 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM036203.D

Acq: 10 Aug 2022 21:49

Instrument :

BNA_M

ClientSampleId :

RBR-200027

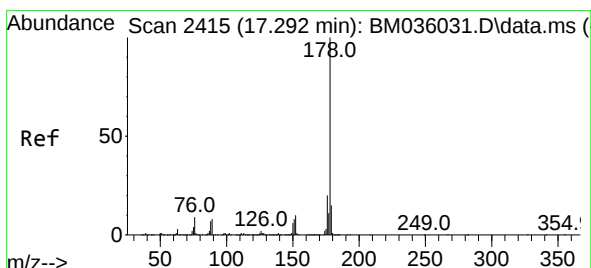
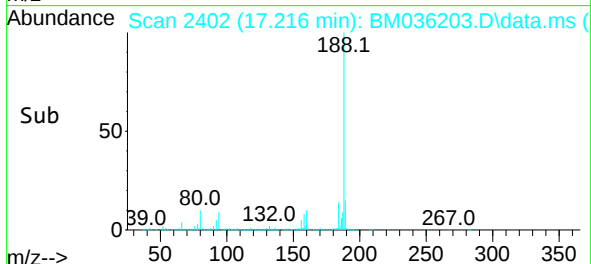
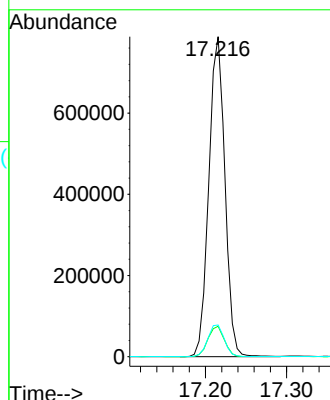
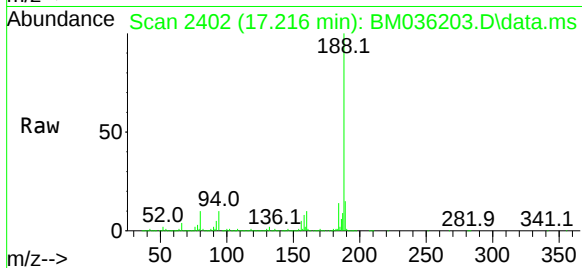
Tgt Ion:188 Resp: 1083913

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.4

80 9.9 7.6 11.4



#71

Phenanthrene

Concen: 5.044 ng

RT: 17.257 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM036203.D

Acq: 10 Aug 2022 21:49

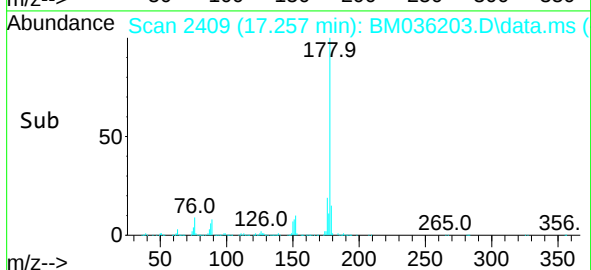
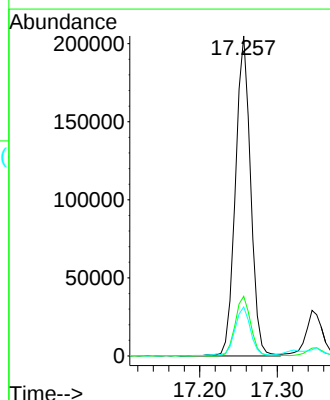
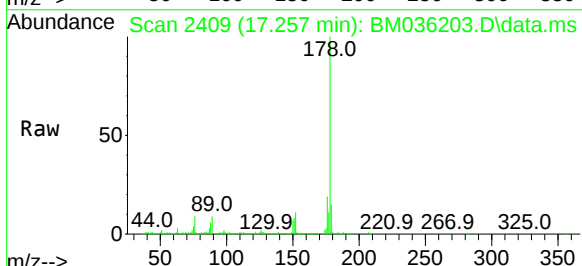
Tgt Ion:178 Resp: 278537

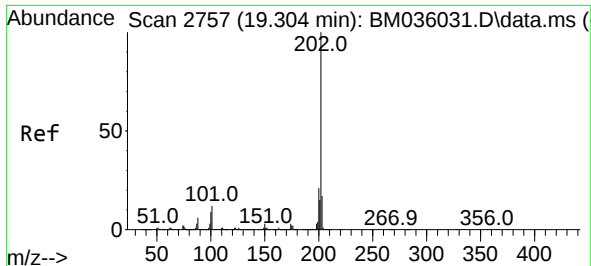
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.0

179 15.3 12.4 18.6

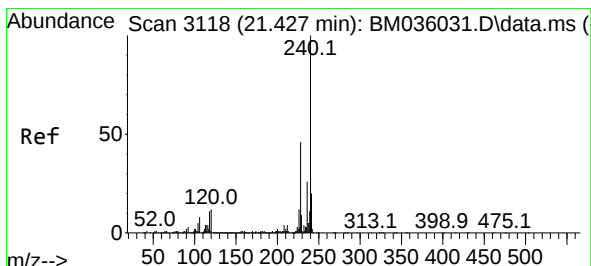
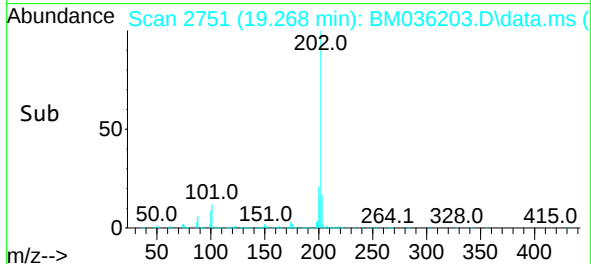
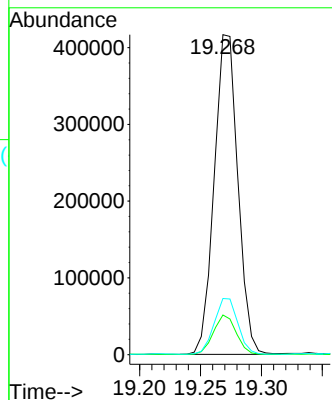
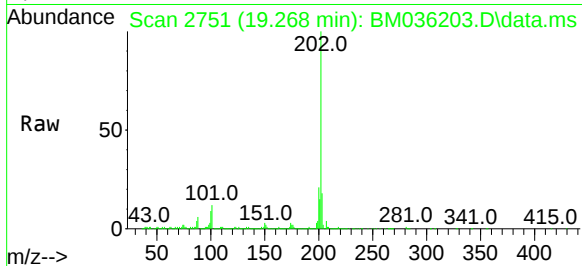




#75
Fluoranthene
Concen: 9.118 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

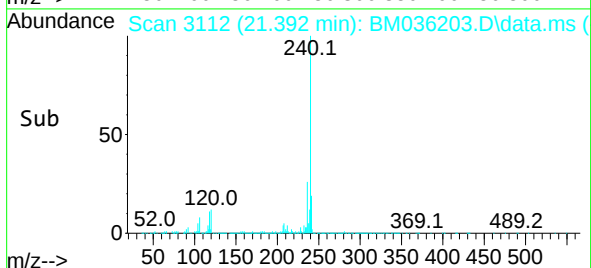
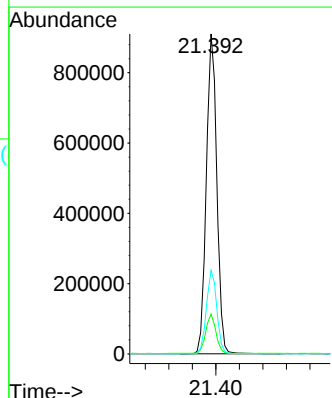
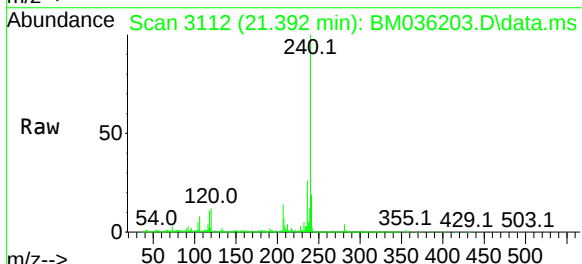
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RBR-200027

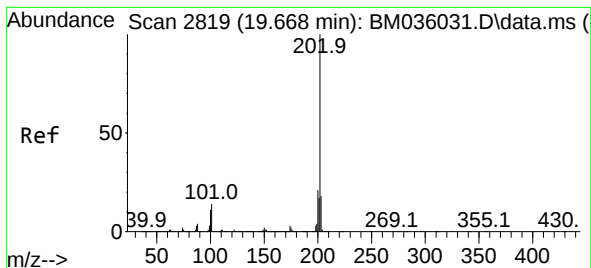
Tgt Ion:202 Resp: 563591
Ion Ratio Lower Upper
202 100
101 12.4 0.0 30.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:240 Resp: 1129429
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.0
236 26.1 20.6 30.8





#78

Pyrene

Concen: 6.288 ng

RT: 19.633 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM036203.D

Acq: 10 Aug 2022 21:49

Instrument :

BNA_M

ClientSampleId :

RBR-200027

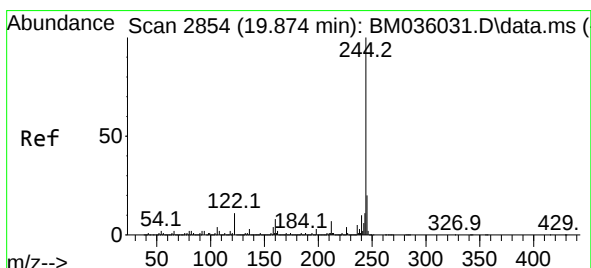
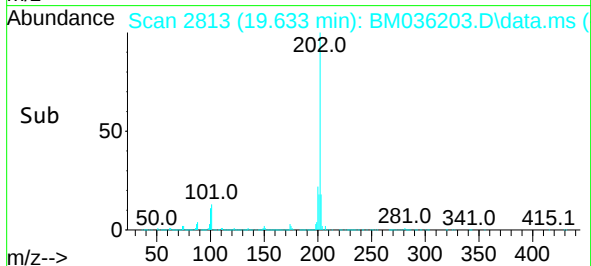
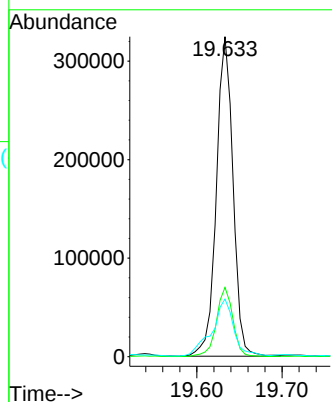
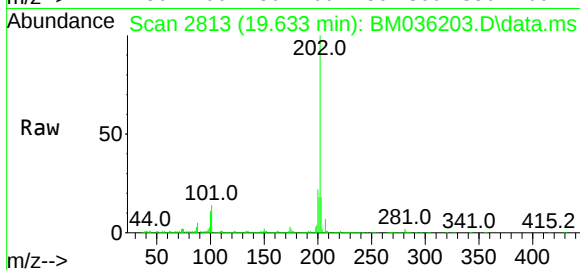
Tgt Ion:202 Resp: 440392

Ion Ratio Lower Upper

202 100

200 21.6 16.7 25.1

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 54.006 ng

RT: 19.839 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM036203.D

Acq: 10 Aug 2022 21:49

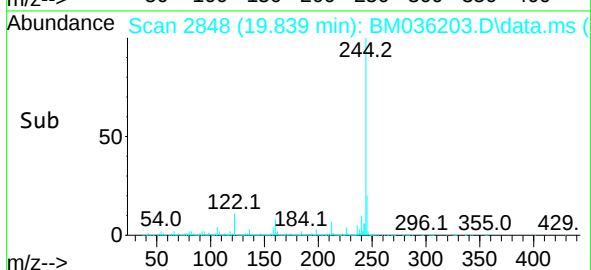
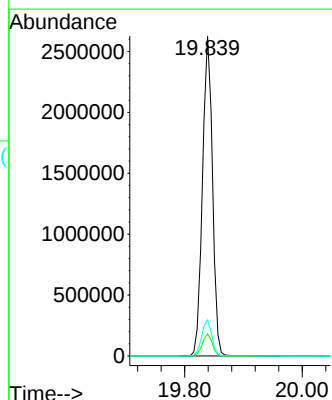
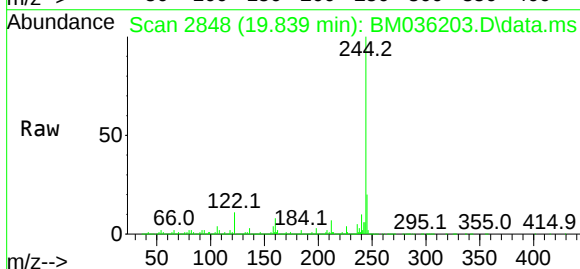
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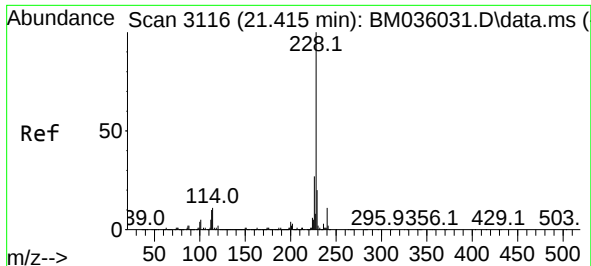
Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.4

122 11.2 8.3 12.5

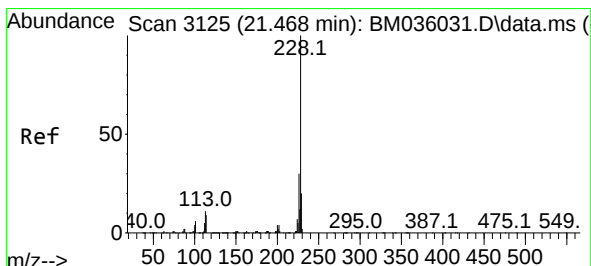
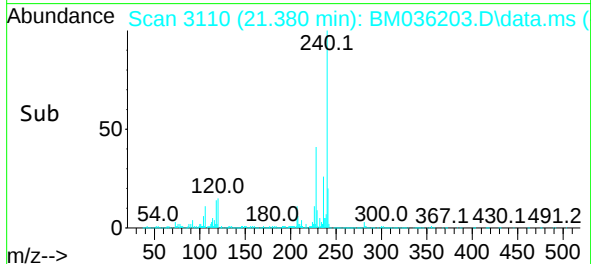
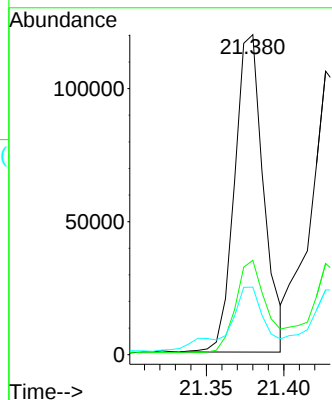
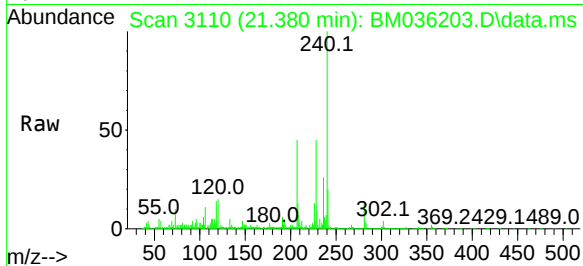




#81
Benzo(a)anthracene
Concen: 2.236 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

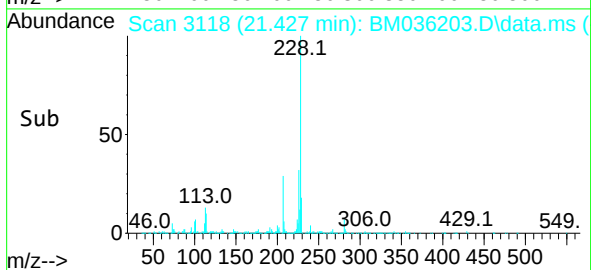
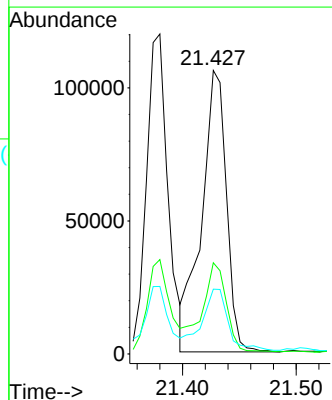
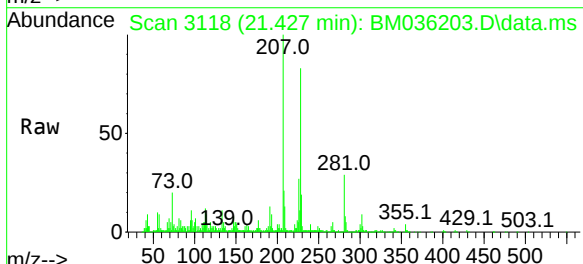
Instrument :
BNA_M
ClientSampleId :
RBR-200027

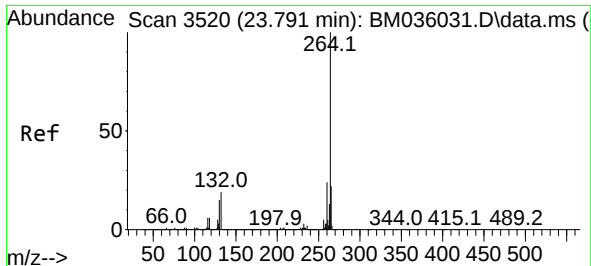
Tgt Ion:228 Resp: 155539
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 21.1 15.8 23.6



#83
Chrysene
Concen: 2.436 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:228 Resp: 161087
Ion Ratio Lower Upper
228 100
226 32.2 24.4 36.6
229 22.9 15.8 23.8

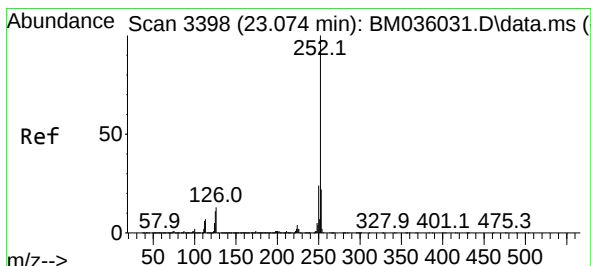
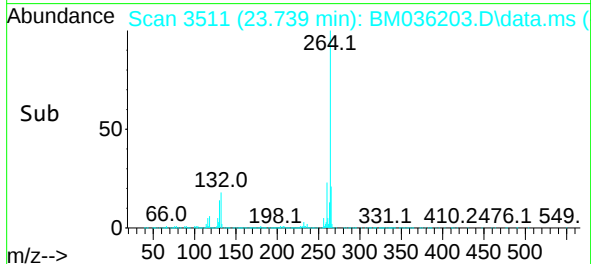
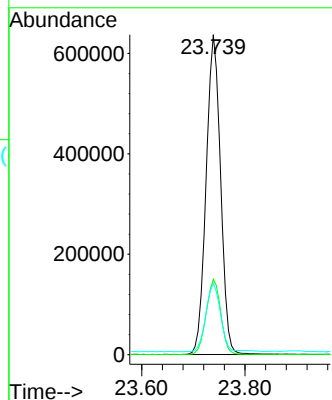
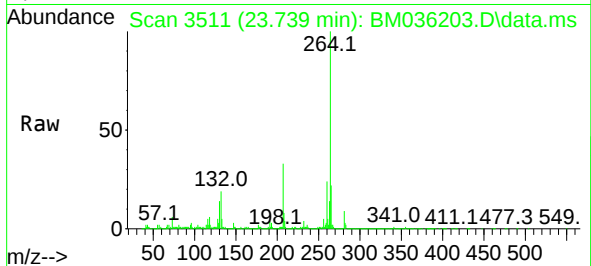




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

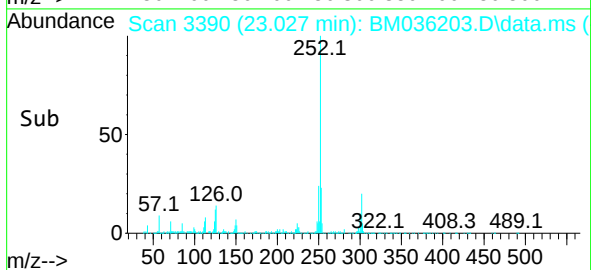
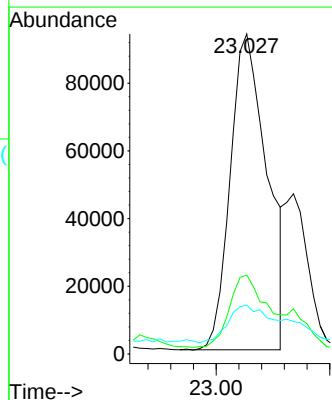
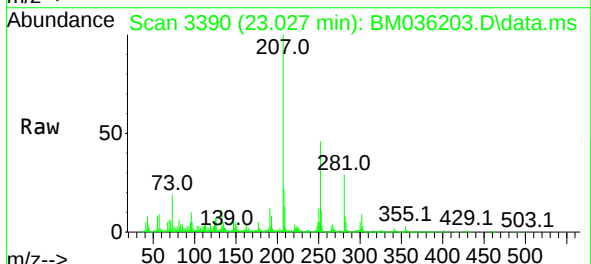
Instrument :
BNA_M
ClientSampleId :
RBR-200027

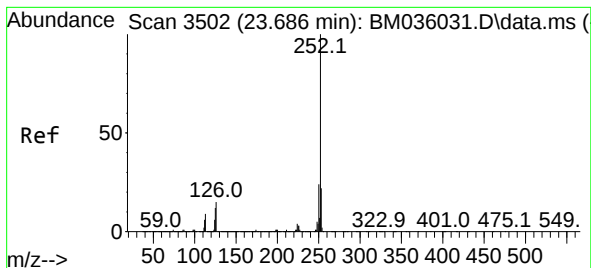
Tgt Ion:264 Resp: 1235144
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 22.3 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 2.909 ng
RT: 23.027 min Scan# 3390
Delta R.T. -0.006 min
Lab File: BM036203.D
Acq: 10 Aug 2022 21:49

Tgt Ion:252 Resp: 210534
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 15.3 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 2.144 ng

RT: 23.633 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM036203.D

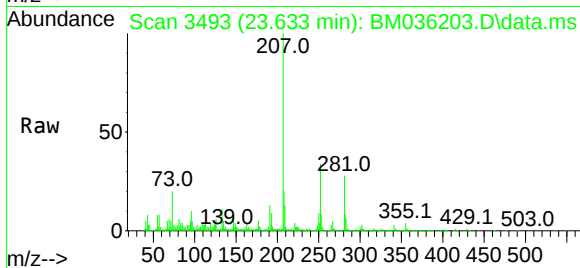
Acq: 10 Aug 2022 21:49

Instrument :

BNA_M

ClientSampleId :

RBR-200027



Tgt Ion:252 Resp: 130162

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 15.7 8.7 13.1#

