

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
 Data File : BM036184.D
 Acq On : 09 Aug 2022 20:40
 Operator : CG/JU
 Sample : N3962-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-201

Quant Time: Aug 10 03:38:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 23:36:56 2022
 Response via : Initial Calibration

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

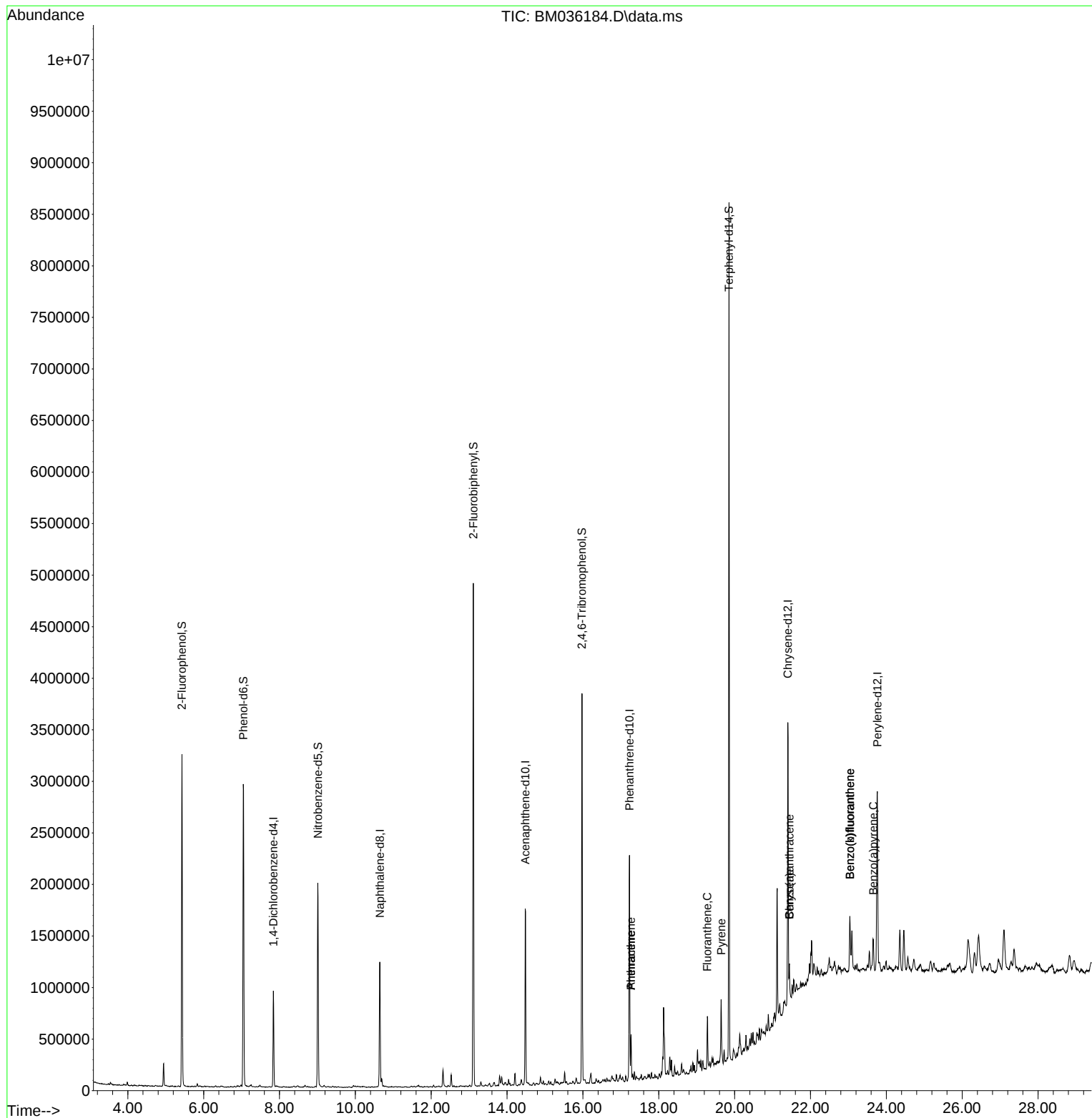
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	246428	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1010201	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	594733	20.000	ng	-0.01
64) Phenanthrene-d10	17.227	188	1243489	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1188352	20.000	ng	-0.02
86) Perylene-d12	23.762	264	1247194	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1362230	89.622	ng	0.00
7) Phenol-d6	7.045	99	1720003	88.932	ng	-0.02
23) Nitrobenzene-d5	9.010	82	1106970	61.339	ng	-0.01
42) 2,4,6-Tribromophenol	15.974	330	662372	94.936	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	2422509	60.141	ng	-0.01
79) Terphenyl-d14	19.850	244	3691568	61.273	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.268	178	242500	3.828	ng	99
72) Anthracene	17.268	178	242500	3.954	ng	99
75) Fluoranthene	19.280	202	251655	3.549	ng	97
78) Pyrene	19.645	202	353533	4.798	ng	99
81) Benzo(a)anthracene	21.444	228	205146	2.803	ng	96
83) Chrysene	21.444	228	205146	2.948	ng	96
88) Benzo(b)fluoranthene	23.044	252	281832	3.857	ng	# 91
89) Benzo(k)fluoranthene	23.044	252	281832	3.819	ng	# 91
90) Benzo(a)pyrene	23.656	252	162825	2.656	ng	# 91

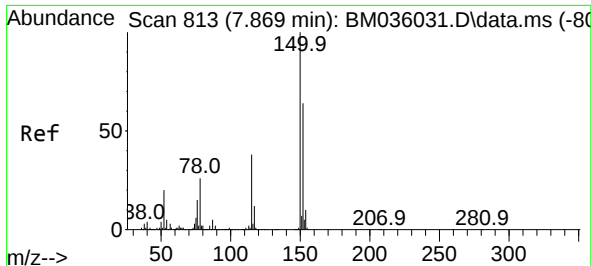
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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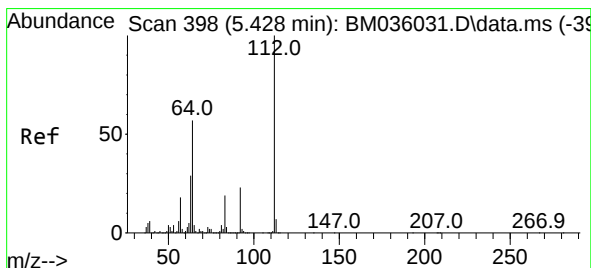
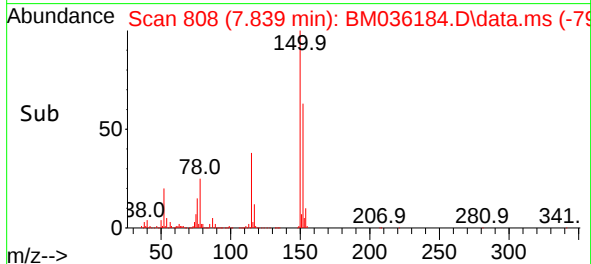
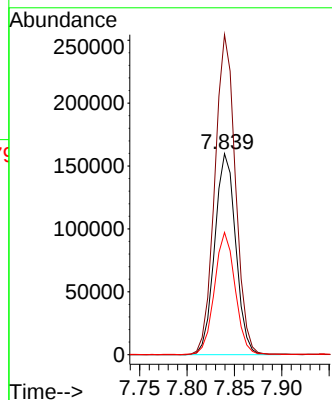
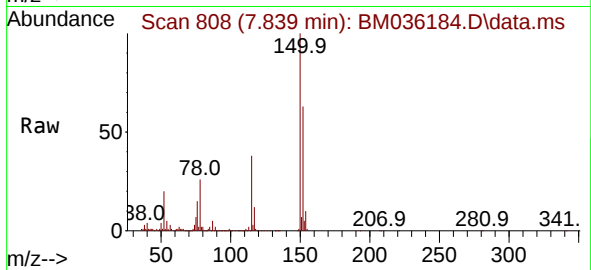




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

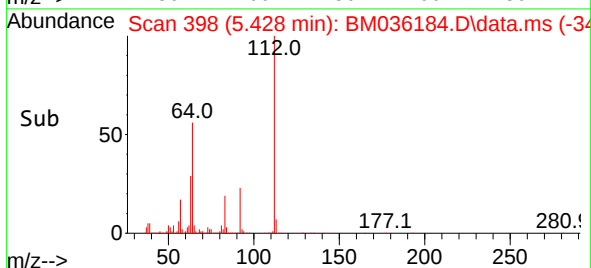
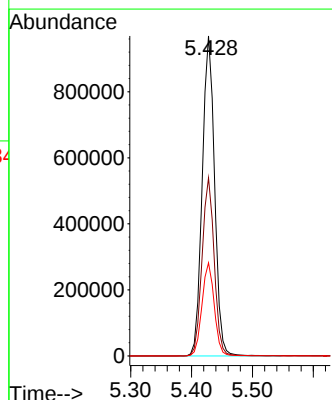
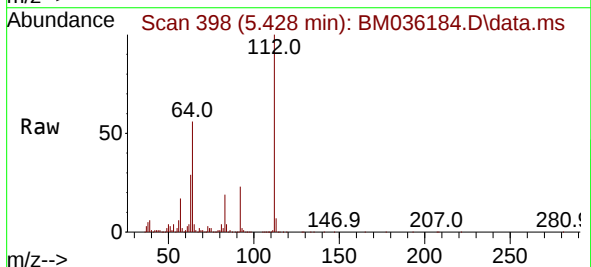
Instrument :
BNA_M
ClientSampleId :
RVE-201

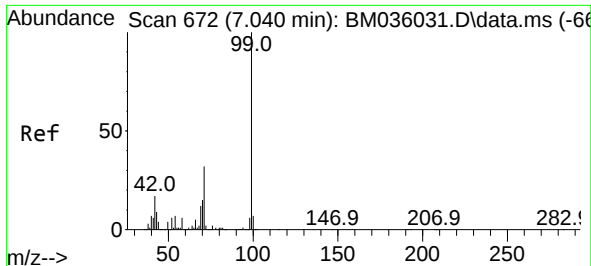
Tgt Ion:152 Resp: 246428
Ion Ratio Lower Upper
152 100
150 159.3 124.9 187.3
115 60.8 47.9 71.9



#5
2-Fluorophenol
Concen: 89.622 ng
RT: 5.428 min Scan# 398
Delta R.T. -0.006 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:112 Resp: 1362230
Ion Ratio Lower Upper
112 100
64 55.7 47.8 71.6
63 29.1 26.6 40.0

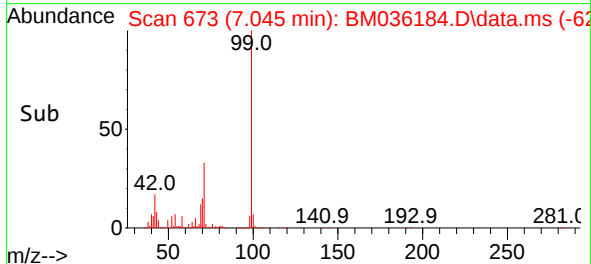
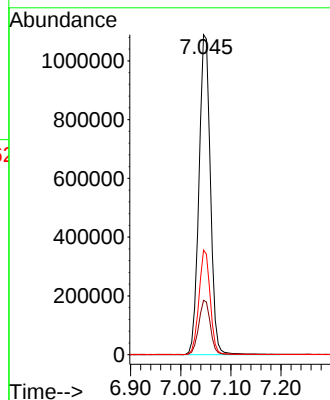
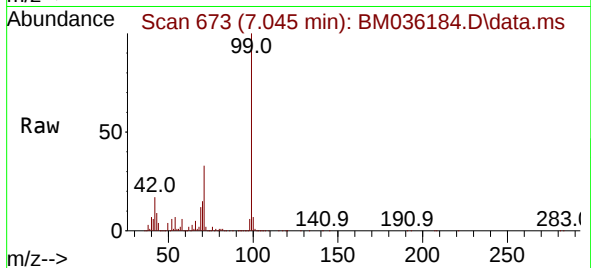




#7
Phenol-d6
Concen: 88.932 ng
RT: 7.045 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

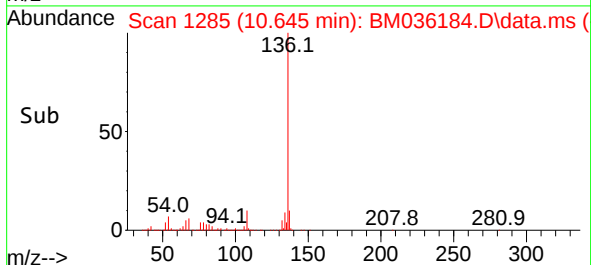
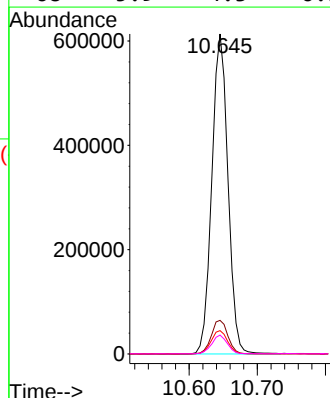
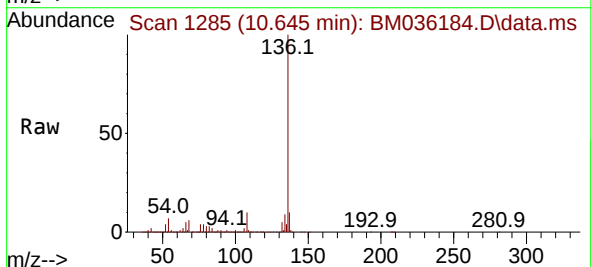
Instrument :
BNA_M
ClientSampleId :
RVE-201

Tgt Ion: 99 Resp: 1720003
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2#
71 32.7 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion: 136 Resp: 1010201
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.3 7.0 10.4
68 5.9 4.3 6.5

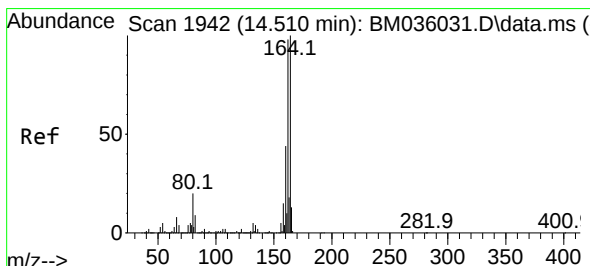
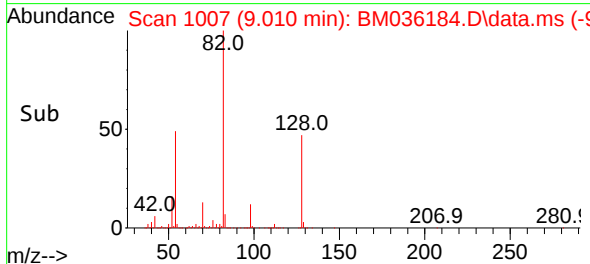
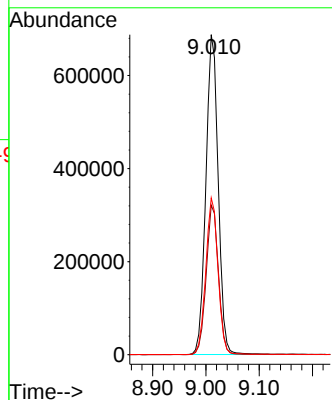
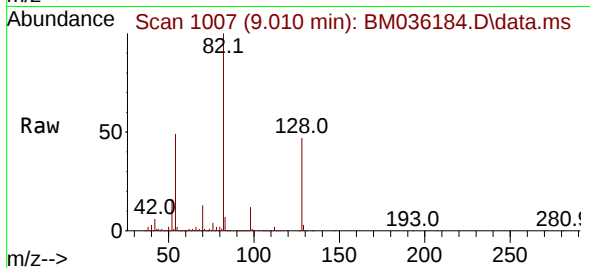




#23
Nitrobenzene-d5
Concen: 61.339 ng
RT: 9.010 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

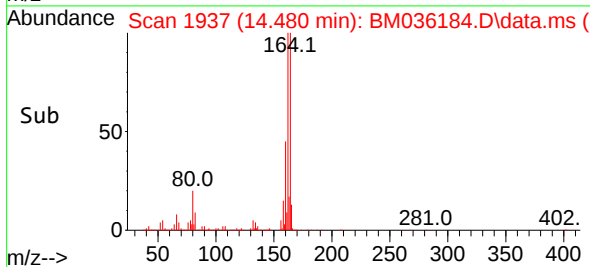
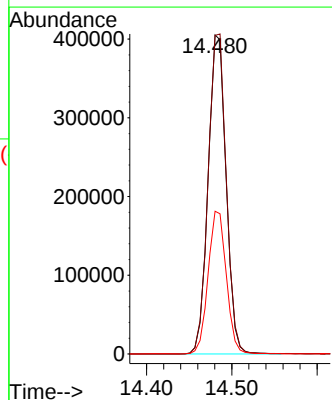
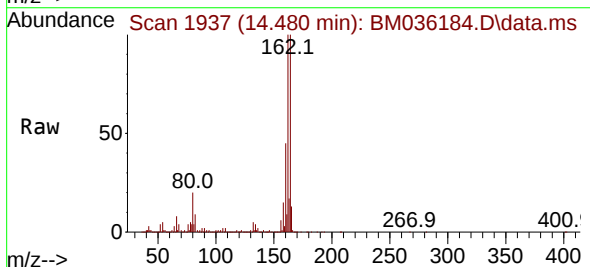
Instrument :
BNA_M
ClientSampleId :
RVE-201

Tgt Ion: 82 Resp: 1106970
Ion Ratio Lower Upper
82 100
128 46.7 33.7 50.5
54 49.0 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:164 Resp: 594733
Ion Ratio Lower Upper
164 100
162 99.9 83.0 124.6
160 44.8 37.0 55.4

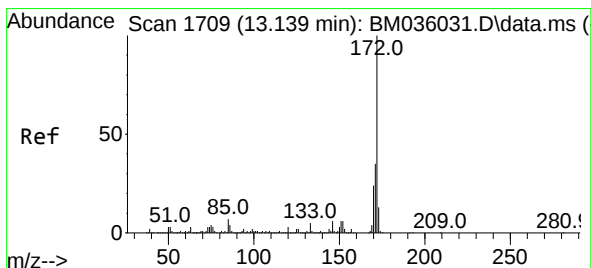
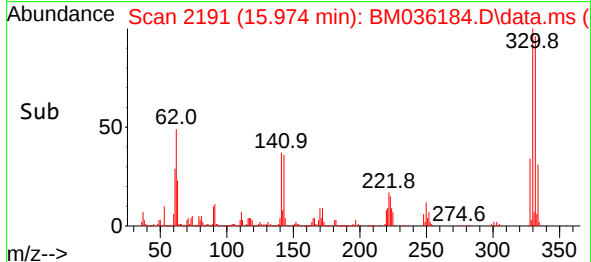
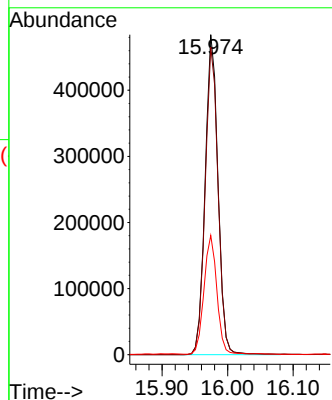
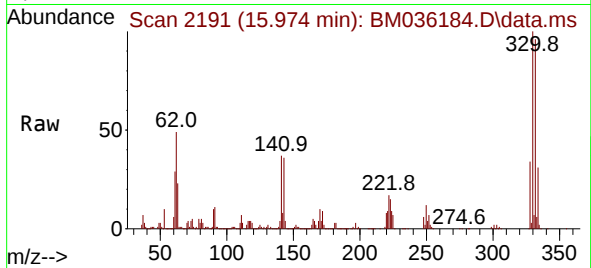




#42
2,4,6-Tribromophenol
Concen: 94.936 ng
RT: 15.974 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

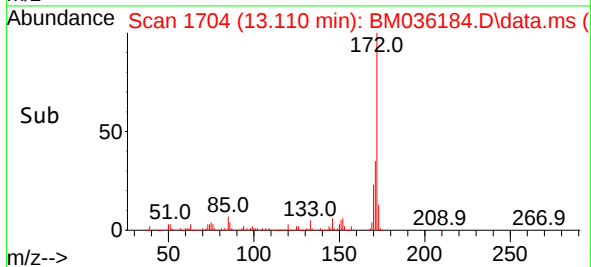
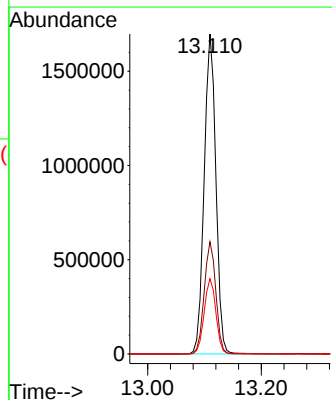
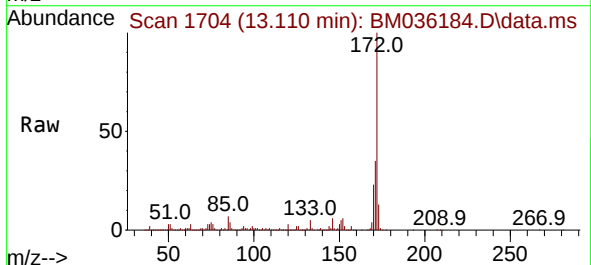
Instrument :
BNA_M
ClientSampleId :
RVE-201

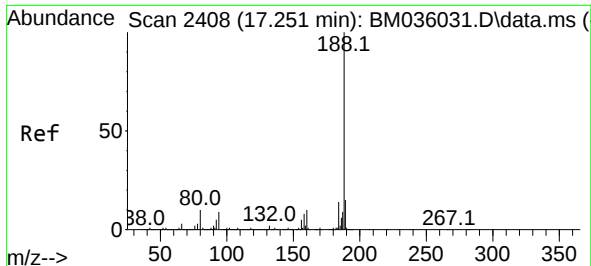
Tgt Ion:330 Resp: 662372
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 37.1 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 60.141 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:172 Resp: 2422509
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.5 18.7 28.1

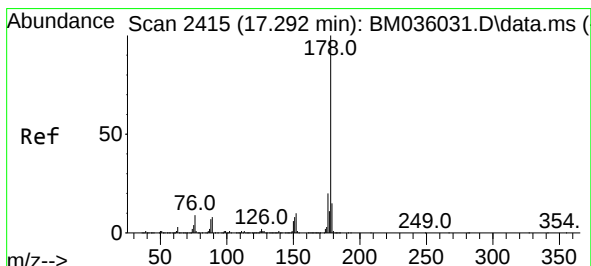
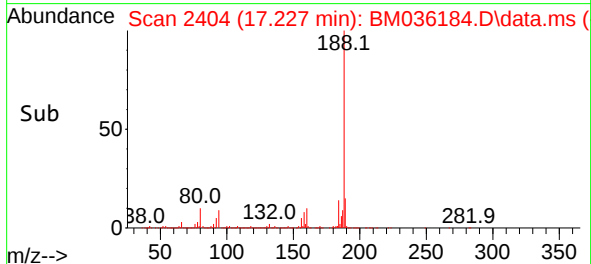
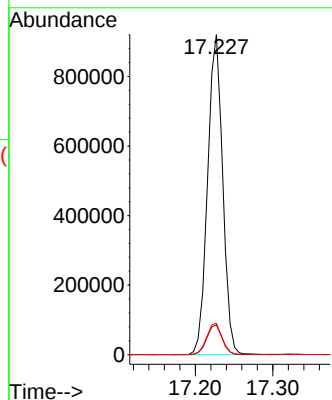
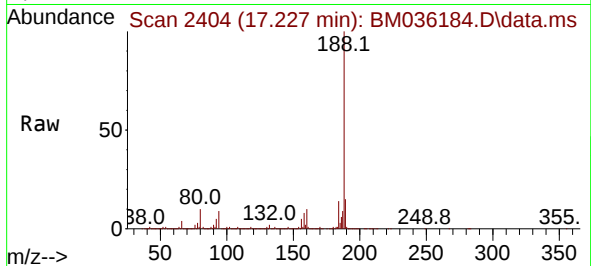




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

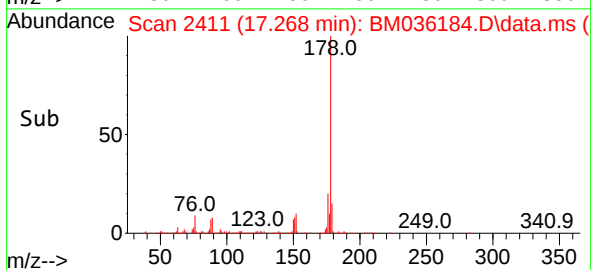
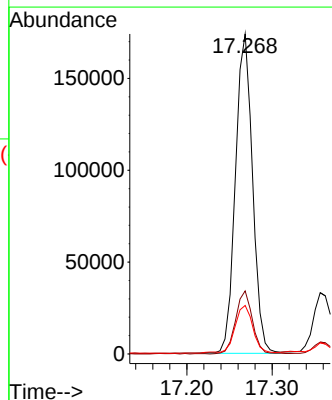
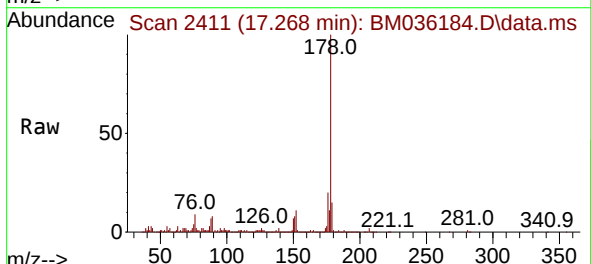
Instrument :
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ClientSampleId :
RVE-201

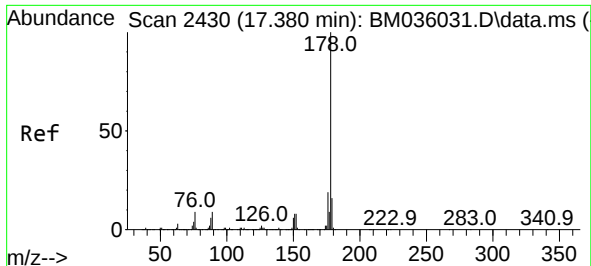
Tgt Ion:188 Resp: 1243489
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.8 7.6 11.4



#71
Phenanthrene
Concen: 3.828 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:178 Resp: 242500
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.1 12.4 18.6

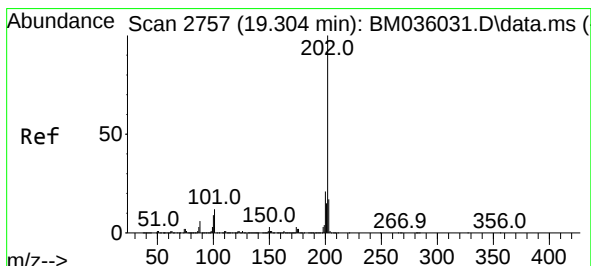
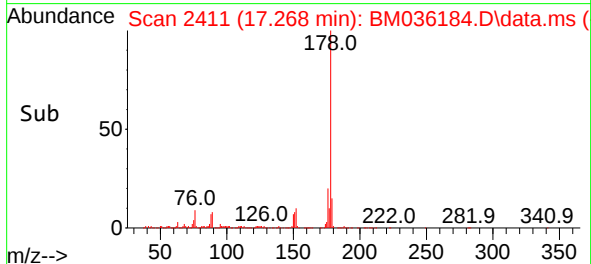
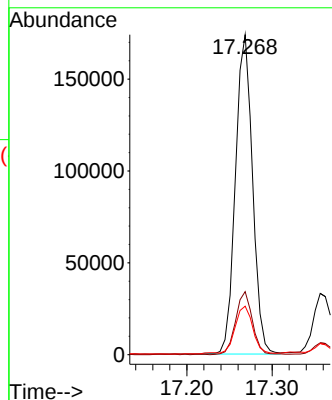
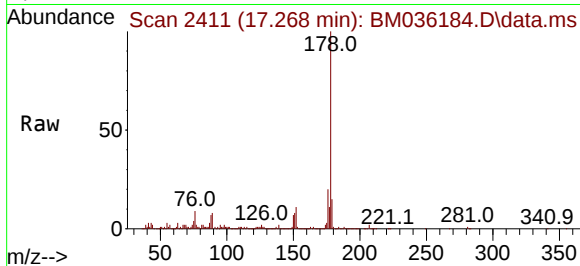




#72
 Anthracene
 Concen: 3.954 ng
 RT: 17.268 min Scan# 2411
 Delta R.T. -0.100 min
 Lab File: BM036184.D
 Acq: 09 Aug 2022 20:40

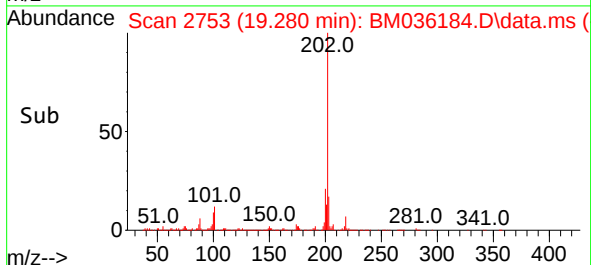
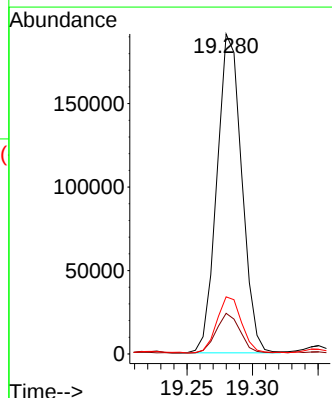
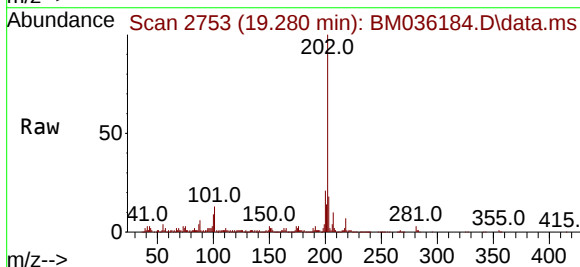
Instrument :
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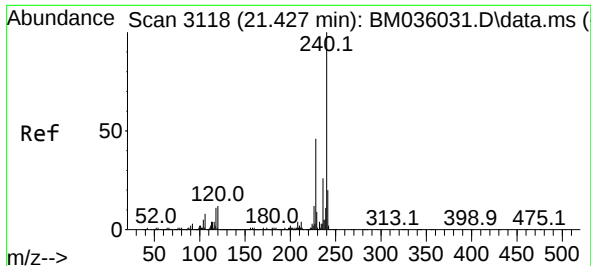
Tgt Ion:178 Resp: 242500
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.4
 179 15.1 12.2 18.2



#75
 Fluoranthene
 Concen: 3.549 ng
 RT: 19.280 min Scan# 2753
 Delta R.T. -0.012 min
 Lab File: BM036184.D
 Acq: 09 Aug 2022 20:40

Tgt Ion:202 Resp: 251655
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.6
 203 17.9 0.0 37.4

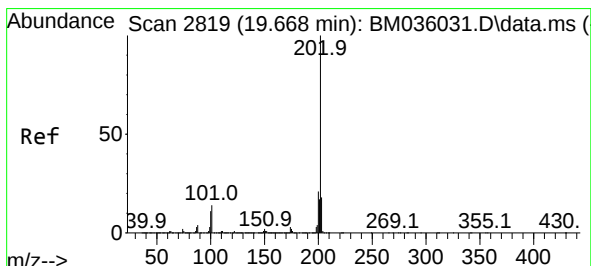
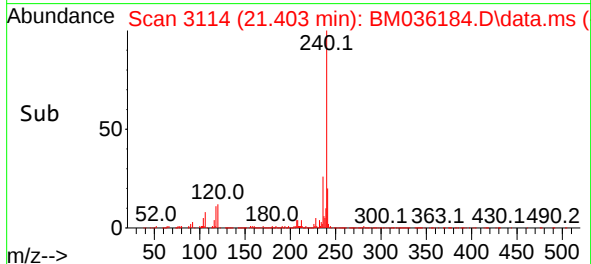
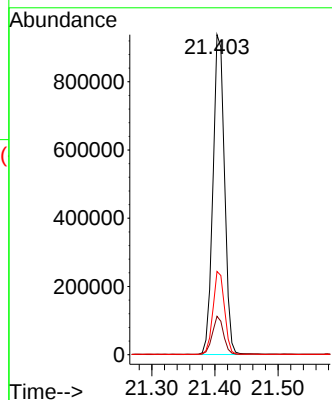
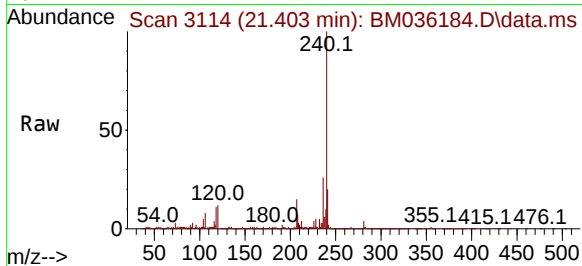




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3118
Delta R.T. -0.018 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

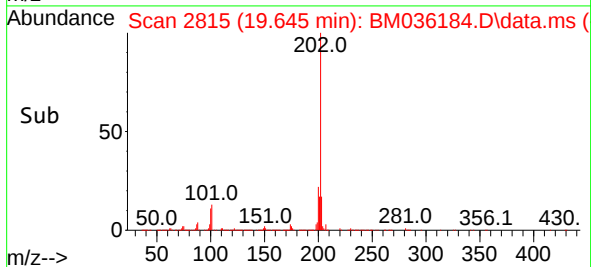
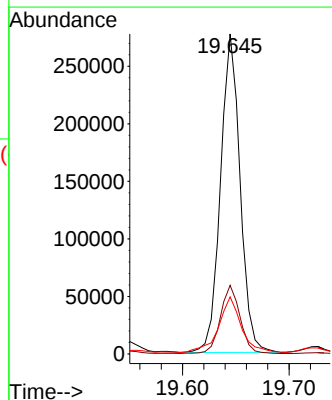
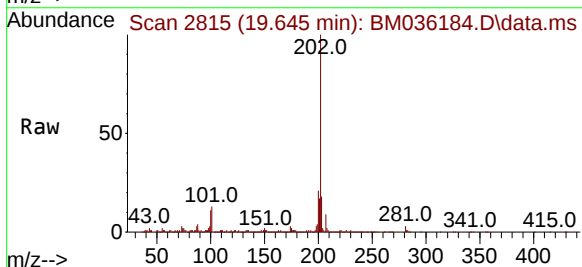
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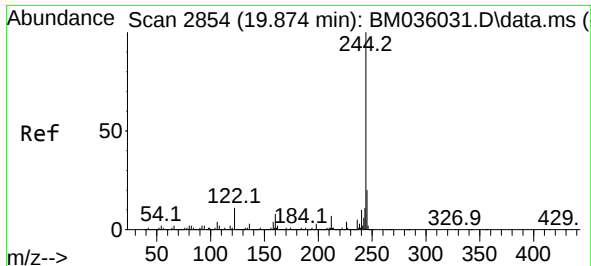
Tgt Ion:240 Resp: 1188352
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.0
236 26.0 20.6 30.8



#78
Pyrene
Concen: 4.798 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:202 Resp: 353533
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 17.9 13.9 20.9

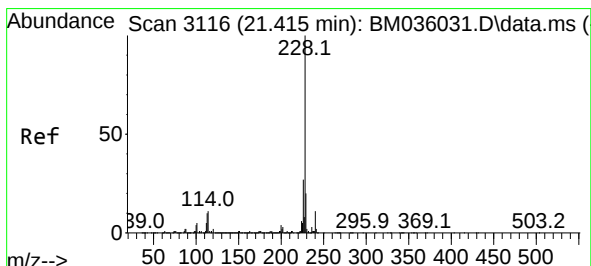
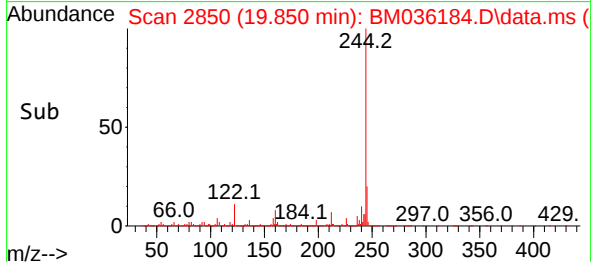
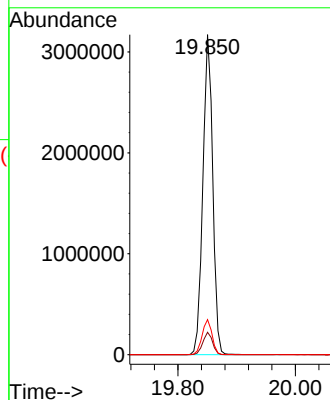
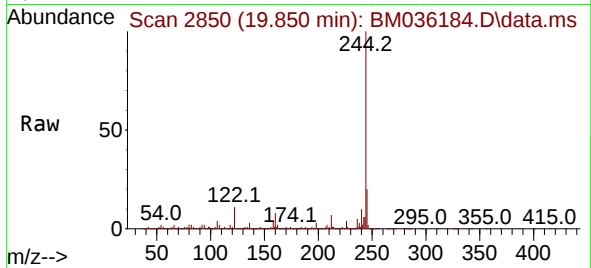




#79
 Terphenyl-d14
 Concen: 61.273 ng
 RT: 19.850 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM036184.D
 Acq: 09 Aug 2022 20:40

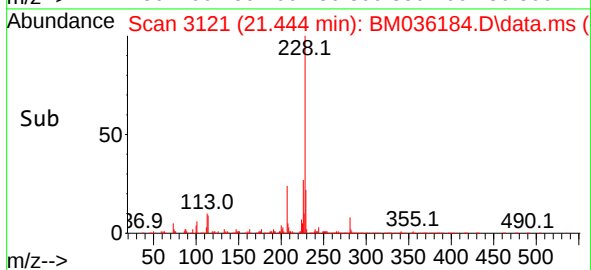
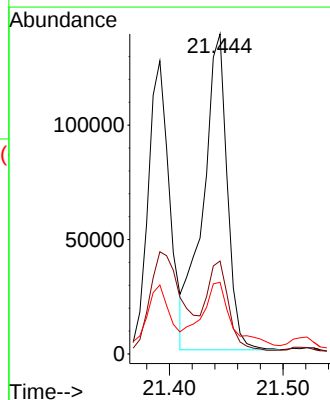
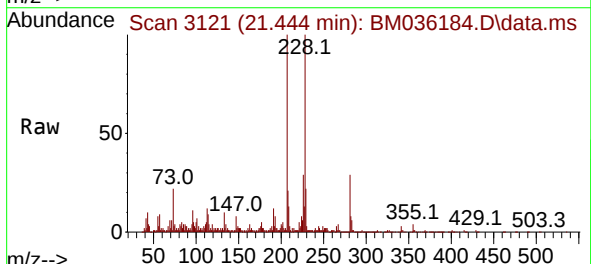
Instrument :
 BNA_M
 ClientSampleId :
 RVE-201

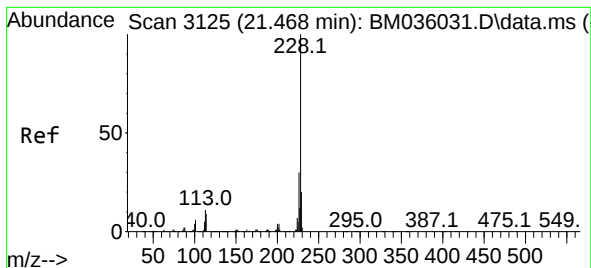
Tgt Ion:244 Resp: 3691568
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.4
 122 11.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.803 ng
 RT: 21.444 min Scan# 3121
 Delta R.T. 0.041 min
 Lab File: BM036184.D
 Acq: 09 Aug 2022 20:40

Tgt Ion:228 Resp: 205146
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.3 33.5
 229 22.4 15.8 23.6





#83

Chrysene

Concen: 2.948 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM036184.D

Acq: 09 Aug 2022 20:40

Instrument :

BNA_M

ClientSampleId :

RVE-201

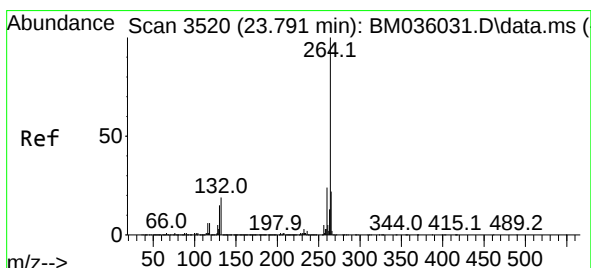
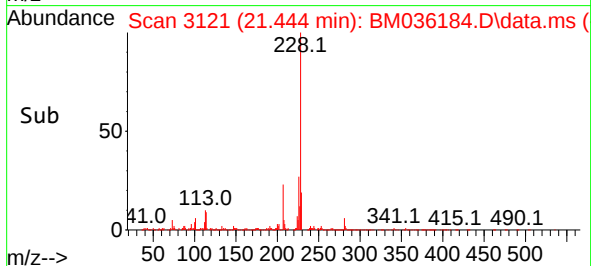
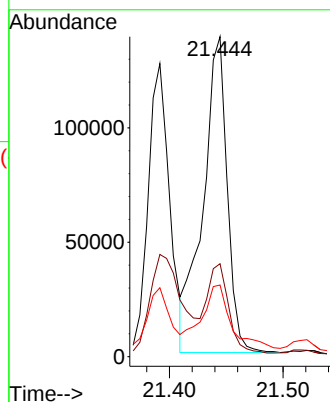
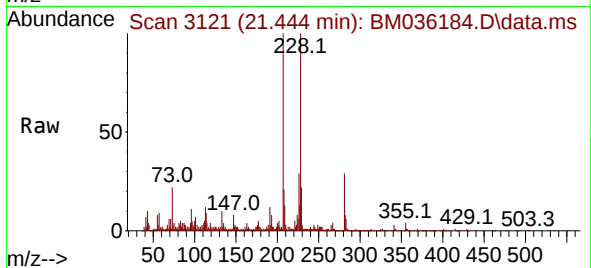
Tgt Ion:228 Resp: 205146

Ion Ratio Lower Upper

228 100

226 29.1 24.4 36.6

229 22.4 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.762 min Scan# 3515

Delta R.T. -0.012 min

Lab File: BM036184.D

Acq: 09 Aug 2022 20:40

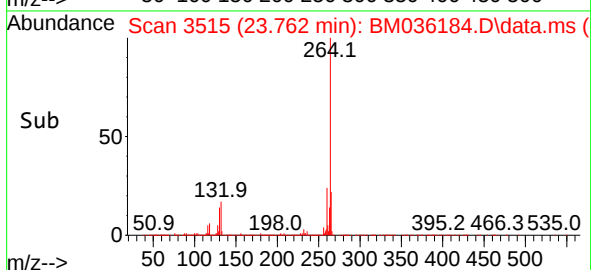
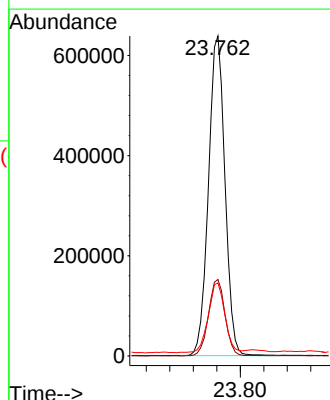
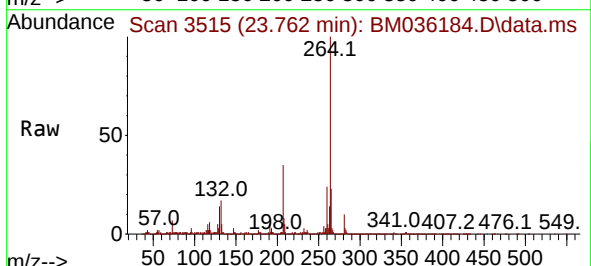
Tgt Ion:264 Resp: 1247194

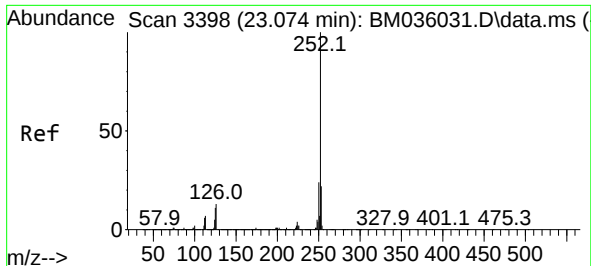
Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 22.8 17.5 26.3

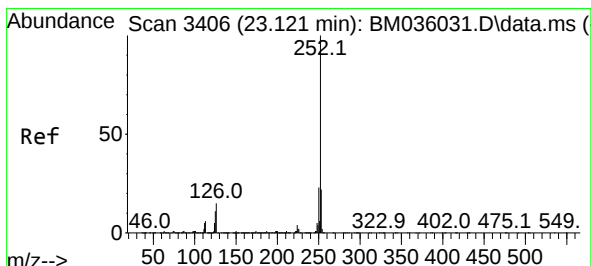
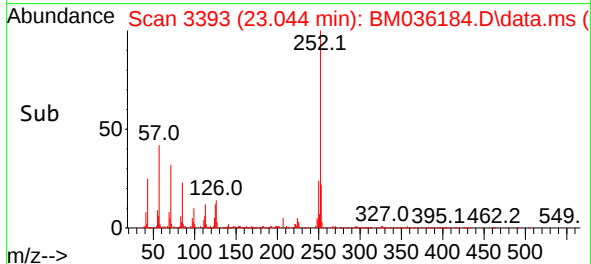
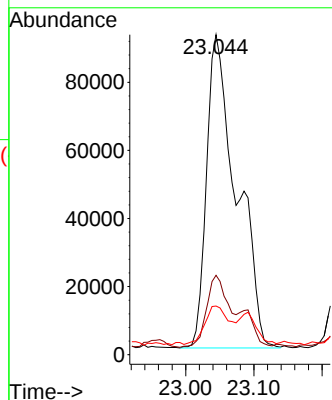
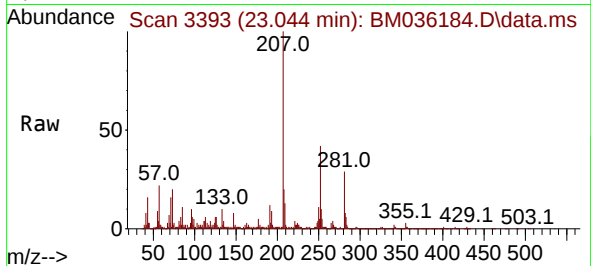




#88
Benzo(b)fluoranthene
Concen: 3.857 ng
RT: 23.044 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

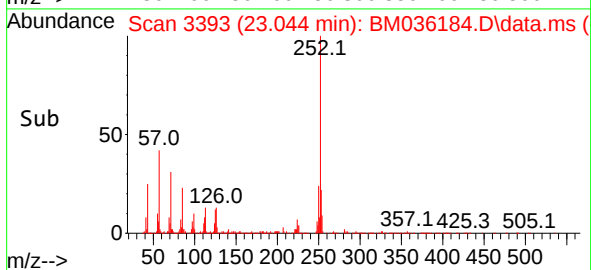
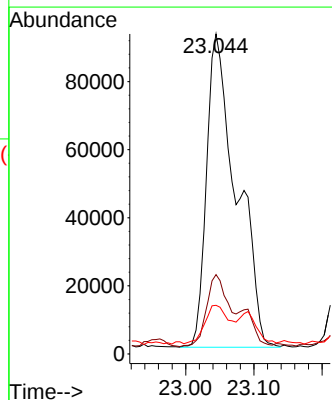
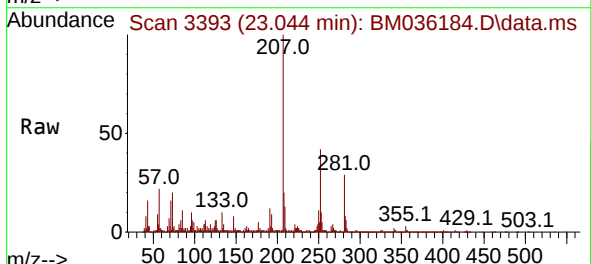
Instrument :
BNA_M
ClientSampleId :
RVE-201

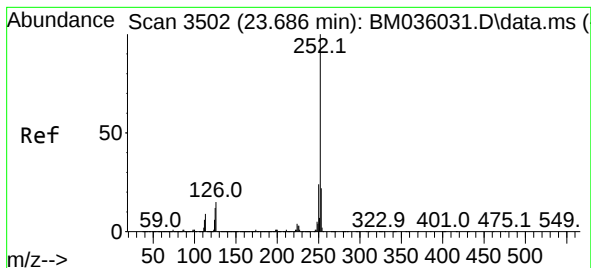
Tgt Ion:252 Resp: 281832
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 15.2 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 3.819 ng
RT: 23.044 min Scan# 3393
Delta R.T. -0.065 min
Lab File: BM036184.D
Acq: 09 Aug 2022 20:40

Tgt Ion:252 Resp: 281832
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 15.2 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 2.656 ng

RT: 23.656 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM036184.D

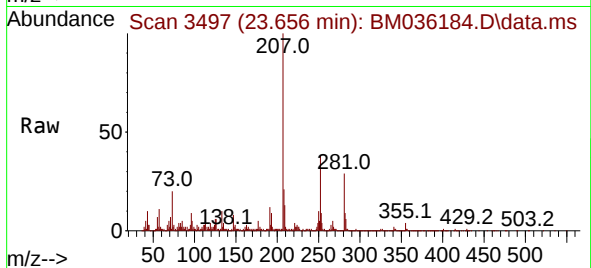
Acq: 09 Aug 2022 20:40

Instrument :

BNA_M

ClientSampleId :

RVE-201



Tgt Ion:252 Resp: 162825

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

125 15.1 8.7 13.1#

