

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080922\
 Data File : BM036172.D
 Acq On : 09 Aug 2022 13:07
 Operator : CG/JU
 Sample : N3962-20
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-205

Quant Time: Aug 10 03:32:28 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

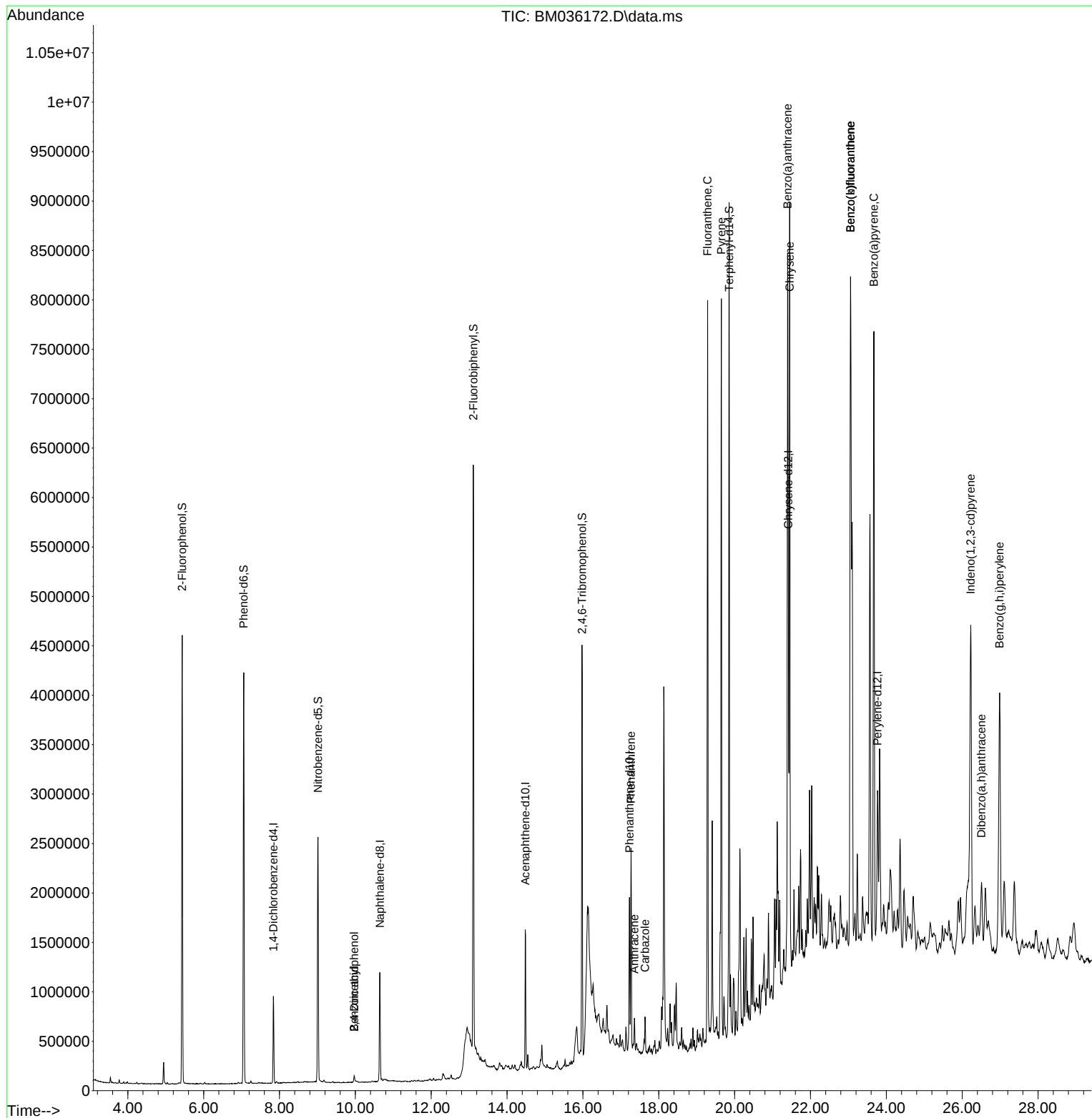
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	232073	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	911285	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	478522	20.000	ng	-0.01
64) Phenanthrene-d10	17.227	188	899254	20.000	ng	0.00
76) Chrysene-d12	21.415	240	948858	20.000	ng	0.00
86) Perylene-d12	23.768	264	1080983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1932711	135.019	ng	0.00
7) Phenol-d6	7.057	99	2366713	129.939	ng	0.00
23) Nitrobenzene-d5	9.016	82	1427281	87.673	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	764158	136.124	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	2885217	89.023	ng	-0.01
79) Terphenyl-d14	19.856	244	4036521	83.909	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	9.969	122	31957	2.858	ng	# 7
32) Benzoic acid	9.969	122	31957	3.605	ng	88
71) Phenanthrene	17.268	178	1115518	24.349	ng	100
72) Anthracene	17.356	178	194289	4.380	ng	98
73) Carbazole	17.639	167	236739	5.268	ng	99
75) Fluoranthene	19.286	202	4188281	81.670	ng	98
78) Pyrene	19.650	202	4359805	74.098	ng	98
81) Benzo(a)anthracene	21.397	228	3627141	62.062	ng	99
83) Chrysene	21.450	228	3826240	68.872	ng	97
87) Indeno(1,2,3-cd)pyrene	26.221	276	3228380	42.498	ng	97
88) Benzo(b)fluoranthene	23.056	252	6142050	96.979	ng	96
89) Benzo(k)fluoranthene	23.056	252	6142050	96.018	ng	96
90) Benzo(a)pyrene	23.674	252	4597748	86.523	ng	98
91) Dibenzo(a,h)anthracene	26.509	278	498582	7.841	ng	95
92) Benzo(g,h,i)perylene	26.985	276	3362346	54.620	ng	99

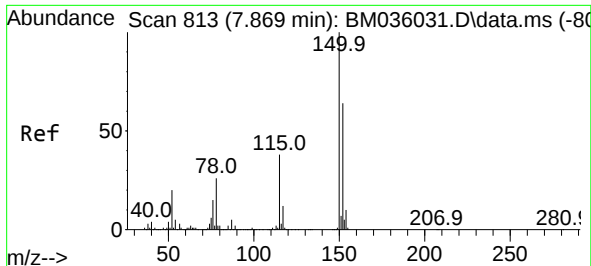
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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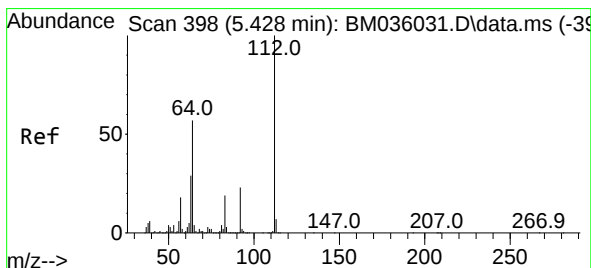
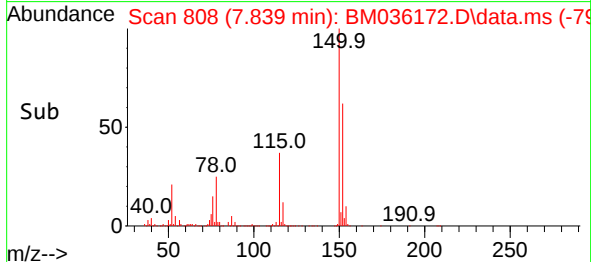
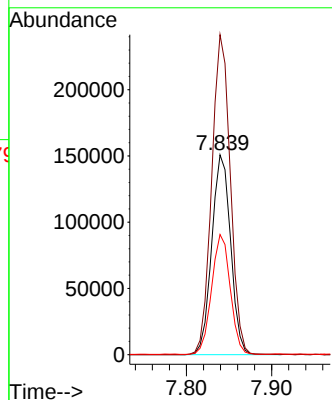
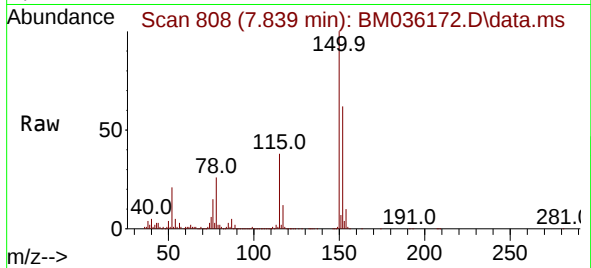




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

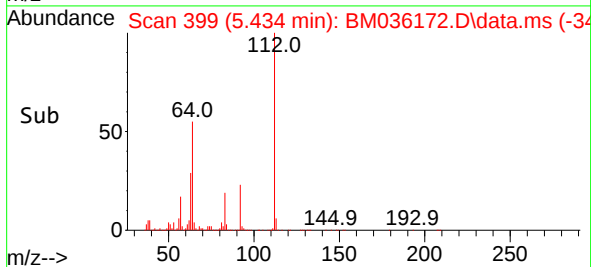
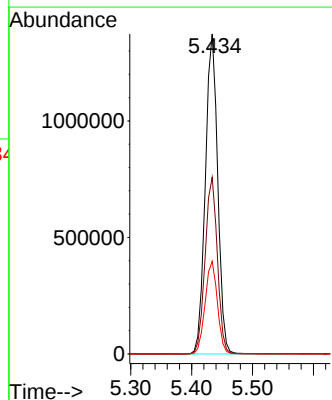
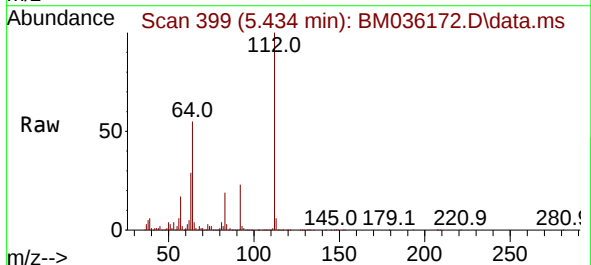
Instrument :
BNA_M
ClientSampleId :
RVE-205

Tgt Ion:152 Resp: 232073
Ion Ratio Lower Upper
152 100
150 160.1 124.9 187.3
115 60.1 47.9 71.9



#5
2-Fluorophenol
Concen: 135.019 ng
RT: 5.434 min Scan# 399
Delta R.T. -0.000 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:112 Resp: 1932711
Ion Ratio Lower Upper
112 100
64 55.2 47.8 71.6
63 28.9 26.6 40.0

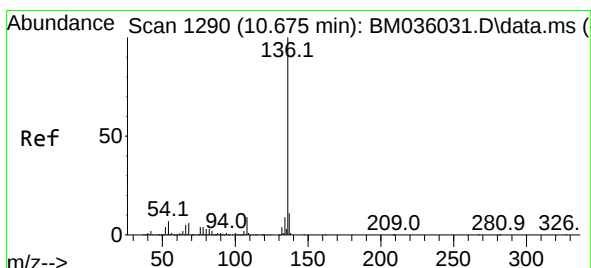
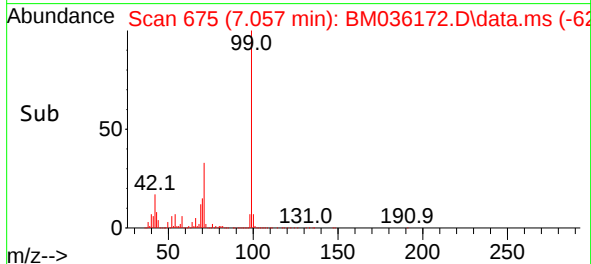
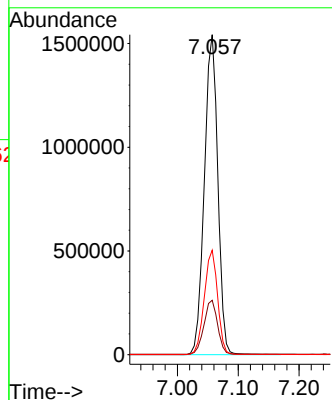
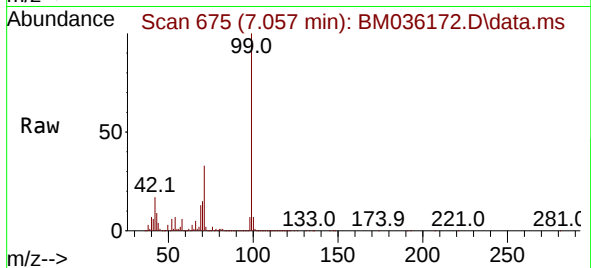




#7
Phenol-d6
Concen: 129.939 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

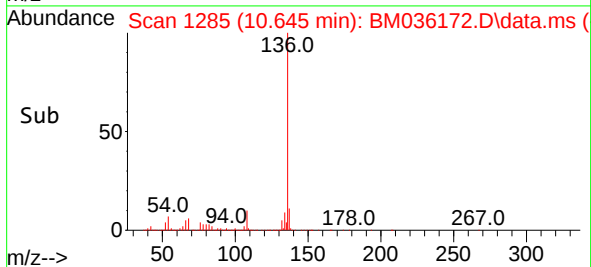
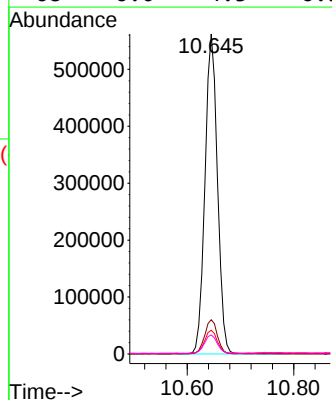
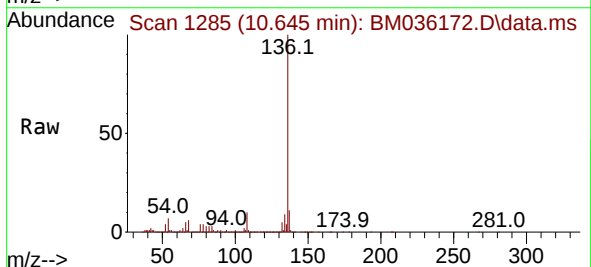
Instrument :
BNA_M
ClientSampleId :
RVE-205

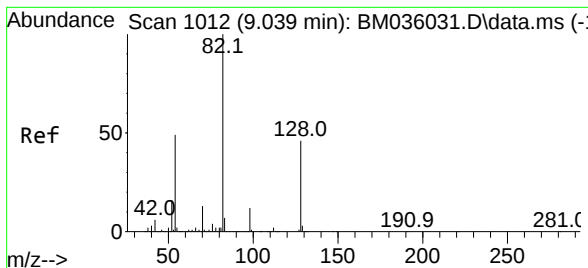
Tgt Ion: 99 Resp: 2366713
Ion Ratio Lower Upper
99 100
42 17.0 18.8 28.2#
71 32.7 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion: 136 Resp: 911285
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 7.0 10.4
68 6.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 87.673 ng

RT: 9.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM036172.D

Acq: 09 Aug 2022 13:07

Instrument :

BNA_M

ClientSampleId :

RVE-205

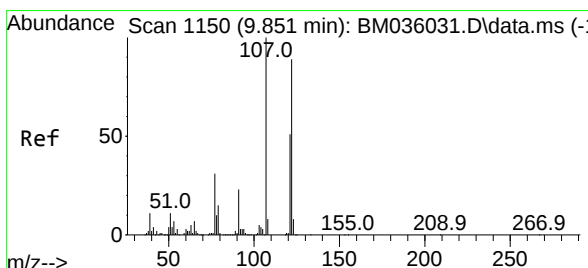
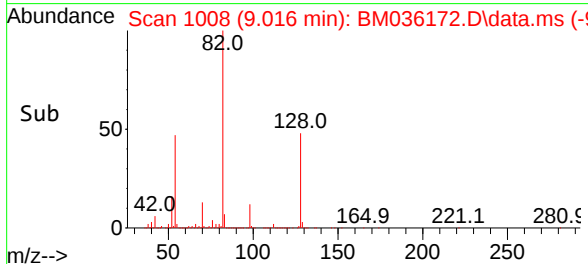
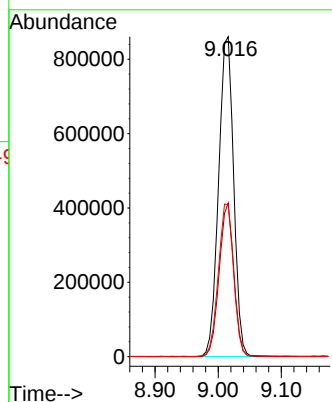
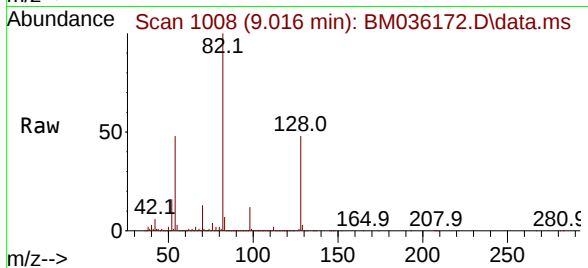
Tgt Ion: 82 Resp: 1427281

Ion Ratio Lower Upper

82 100

128 48.0 33.7 50.5

54 47.5 43.2 64.8



#27

2,4-Dimethylphenol

Concen: 2.858 ng

RT: 9.969 min Scan# 1170

Delta R.T. 0.112 min

Lab File: BM036172.D

Acq: 09 Aug 2022 13:07

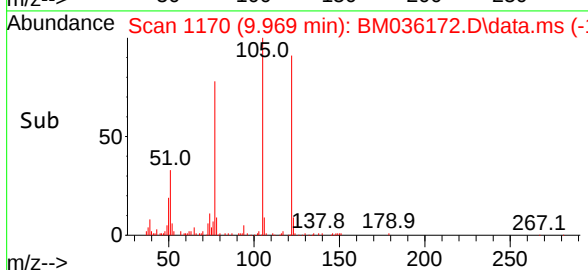
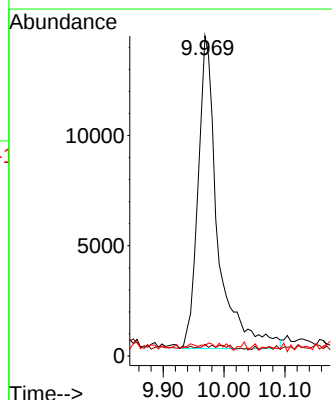
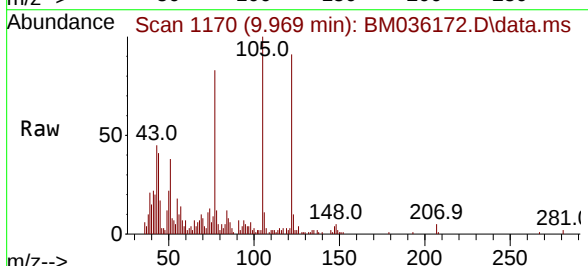
Tgt Ion:122 Resp: 31957

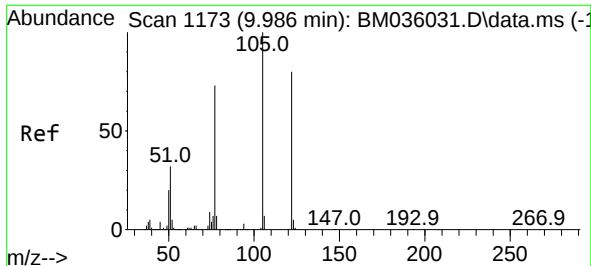
Ion Ratio Lower Upper

122 100

107 3.7 92.4 138.6#

121 3.1 47.4 71.0#

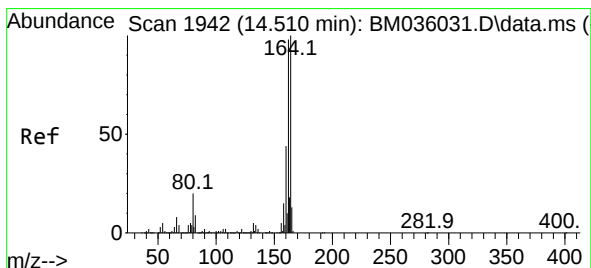
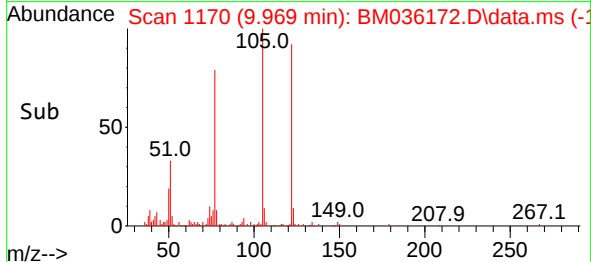
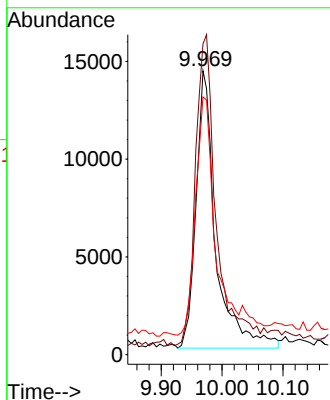
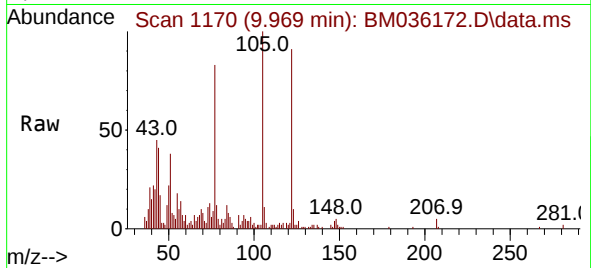




#32
Benzoic acid
Concen: 3.605 ng
RT: 9.969 min Scan# 1173
Delta R.T. -0.076 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

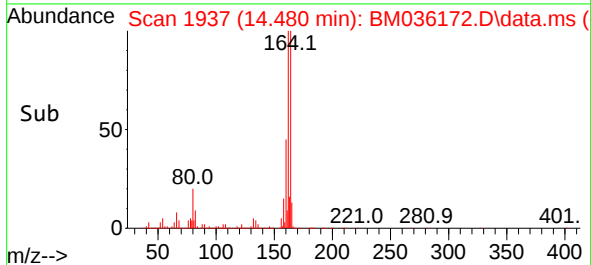
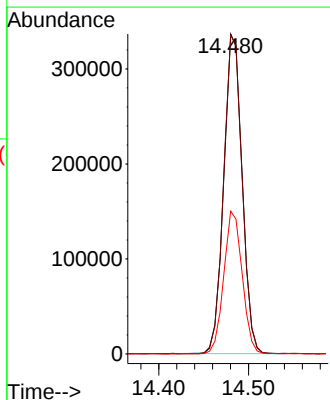
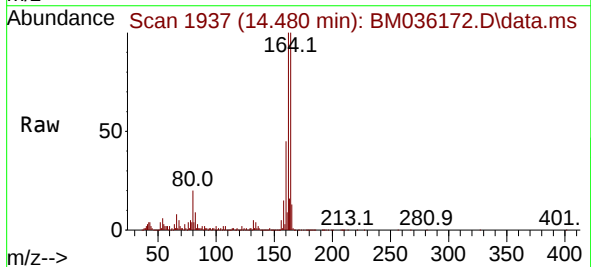
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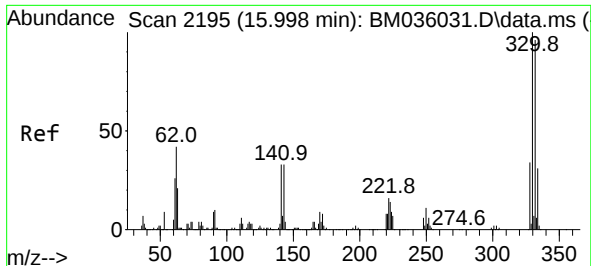
Tgt Ion:122 Resp: 31957
Ion Ratio Lower Upper
122 100
105 109.5 105.7 145.7
77 90.8 80.0 120.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:164 Resp: 478522
Ion Ratio Lower Upper
164 100
162 99.7 83.0 124.6
160 44.7 37.0 55.4

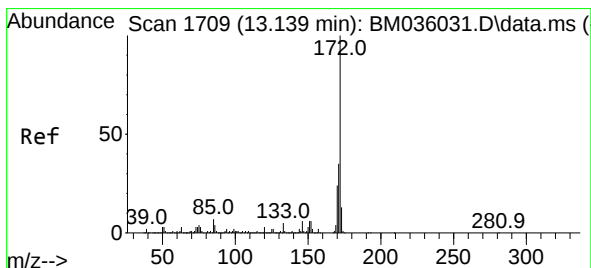
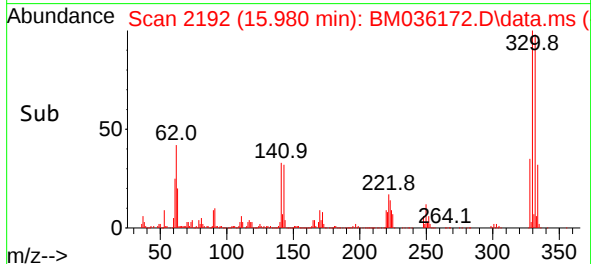
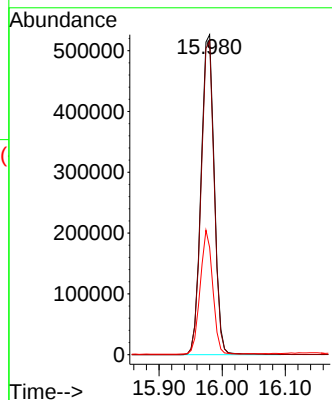
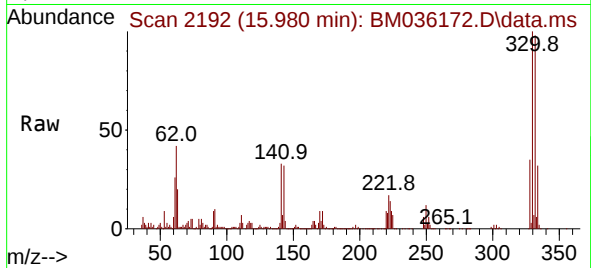




#42
2,4,6-Tribromophenol
Concen: 136.124 ng
RT: 15.980 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

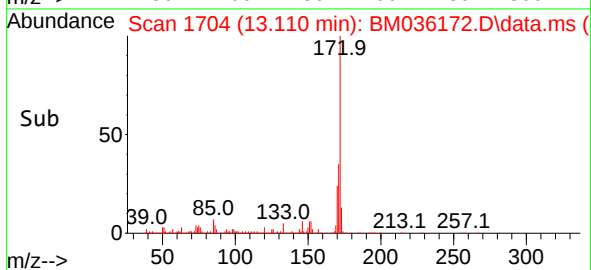
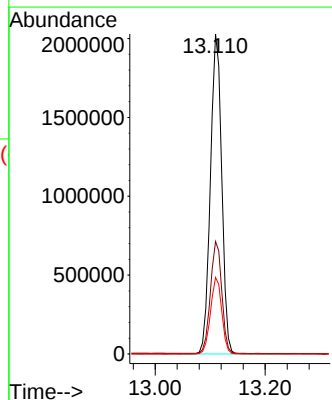
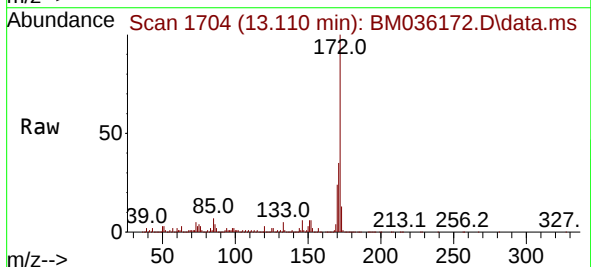
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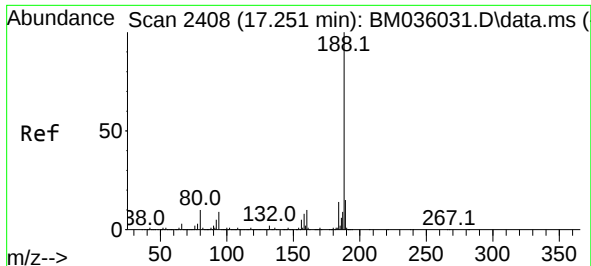
Tgt Ion:330 Resp: 764158
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.6 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 89.023 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:172 Resp: 2885217
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.9 18.7 28.1

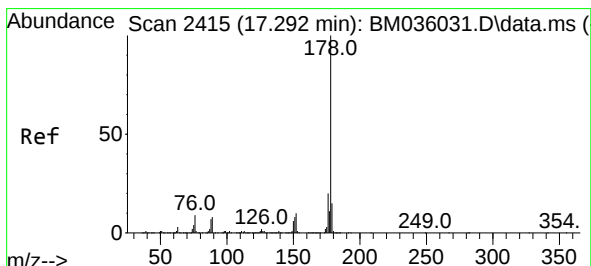
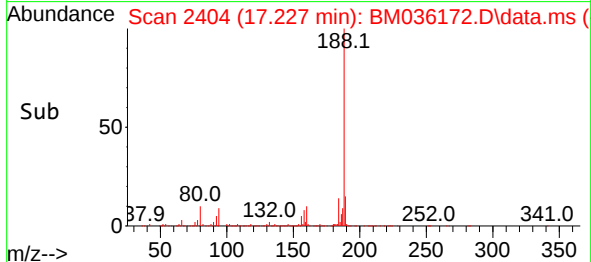
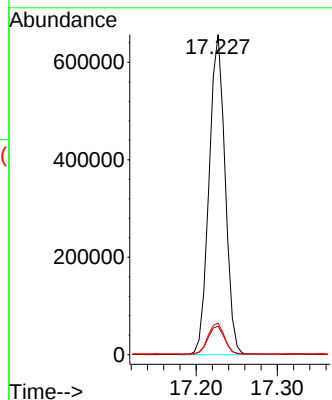
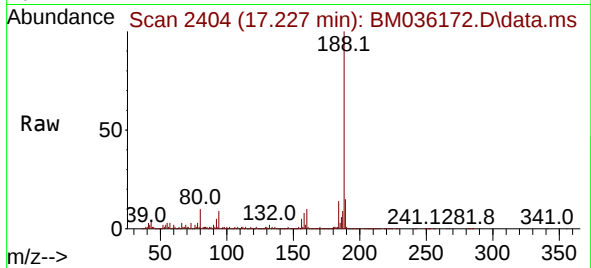




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

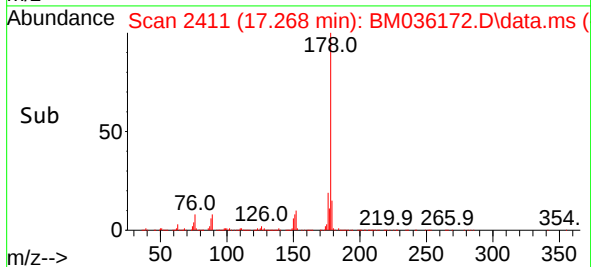
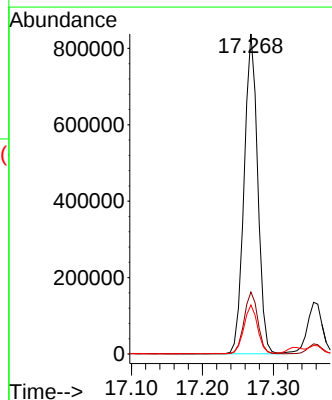
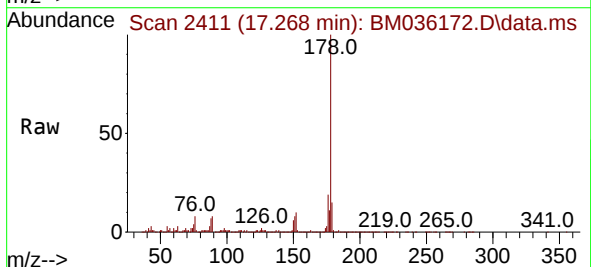
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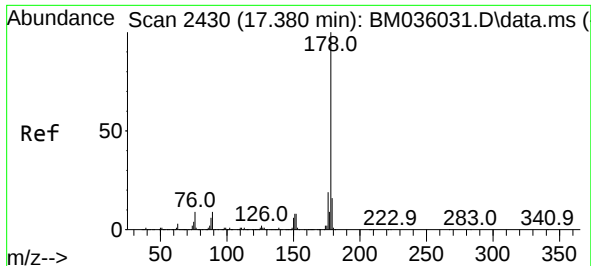
Tgt Ion:188 Resp: 899254
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 9.9 7.6 11.4



#71
Phenanthrene
Concen: 24.349 ng
RT: 17.268 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:178 Resp: 1115518
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.3 12.4 18.6

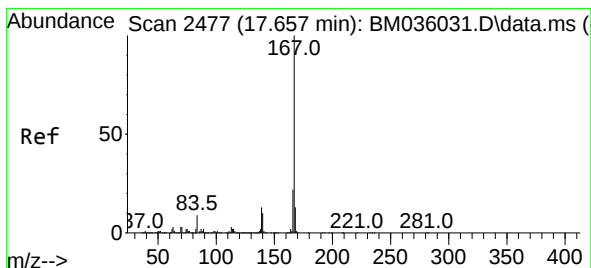
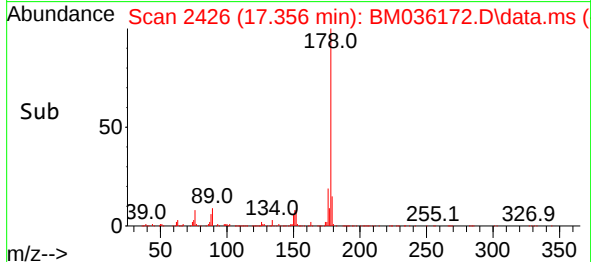
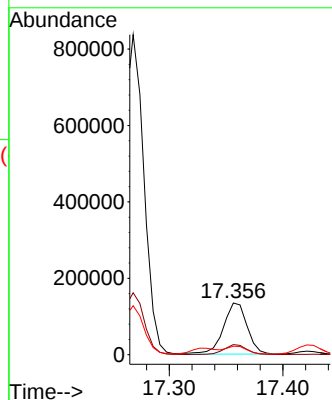
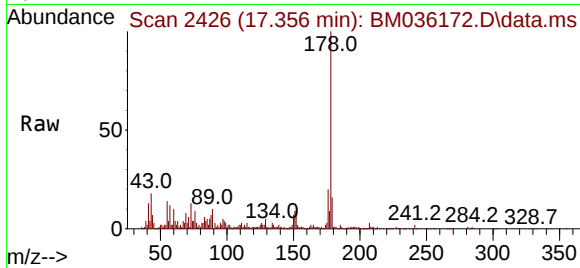




#72
 Anthracene
 Concen: 4.380 ng
 RT: 17.356 min Scan# 2426
 Delta R.T. -0.012 min
 Lab File: BM036172.D
 Acq: 09 Aug 2022 13:07

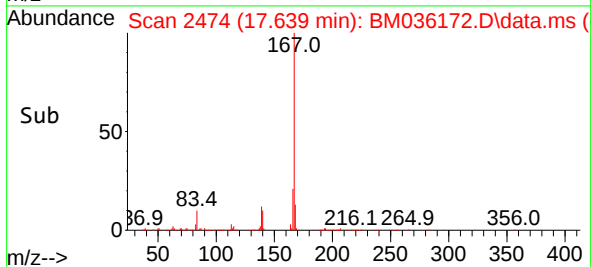
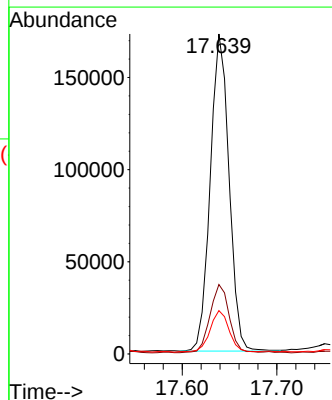
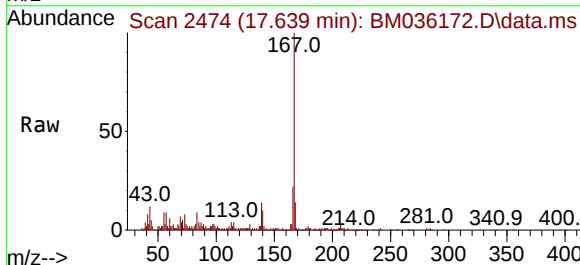
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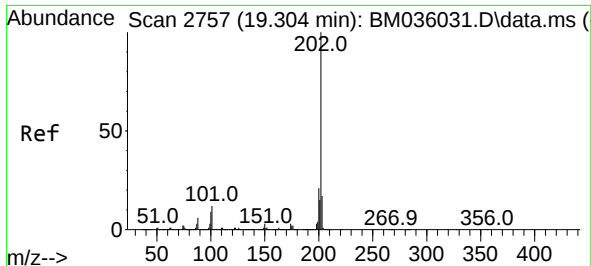
Tgt Ion:178 Resp: 194289
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 16.3 12.2 18.2



#73
 Carbazole
 Concen: 5.268 ng
 RT: 17.639 min Scan# 2474
 Delta R.T. -0.006 min
 Lab File: BM036172.D
 Acq: 09 Aug 2022 13:07

Tgt Ion:167 Resp: 236739
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 13.5 10.9 16.3

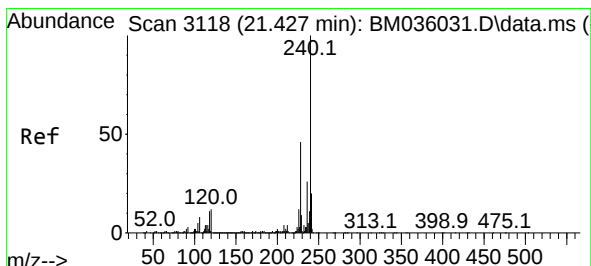
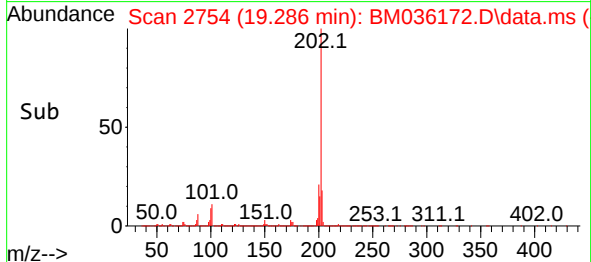
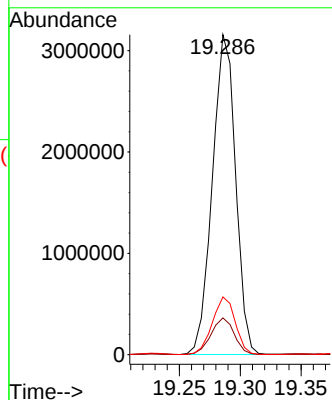
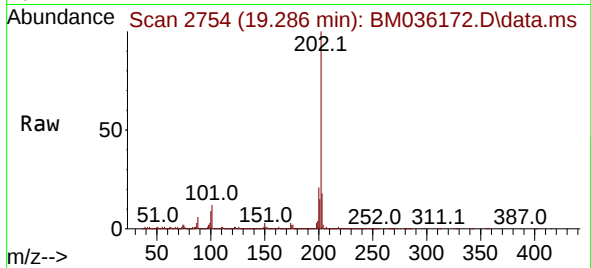




#75
Fluoranthene
Concen: 81.670 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

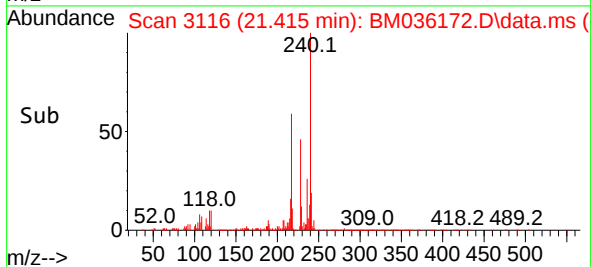
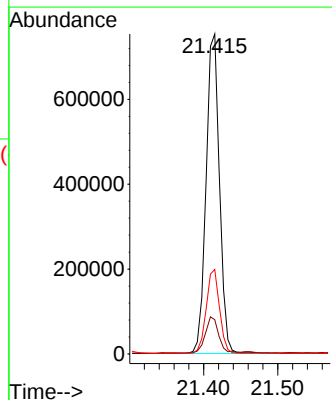
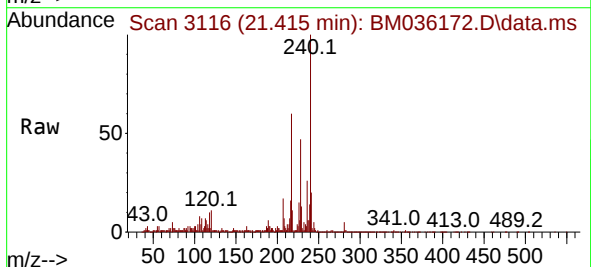
Instrument :
BNA_M
ClientSampleId :
RVE-205

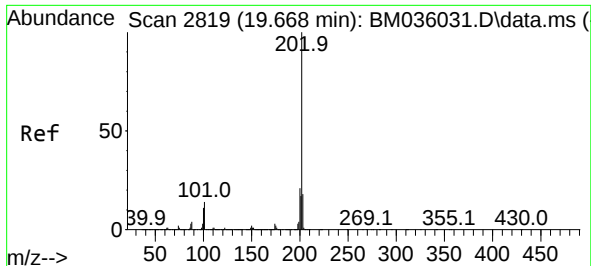
Tgt Ion:202 Resp: 4188281
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.6
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:240 Resp: 948858
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.0
236 26.4 20.6 30.8

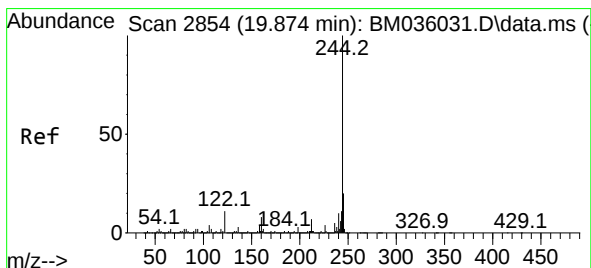
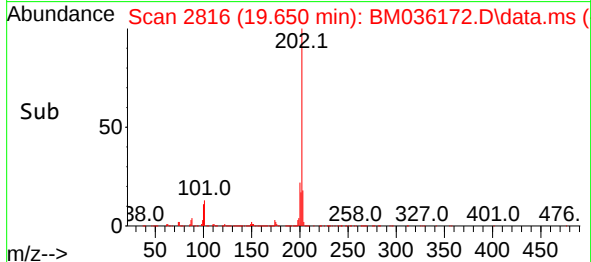
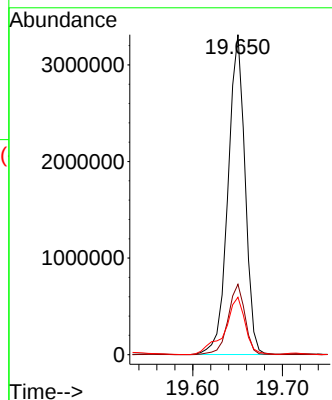
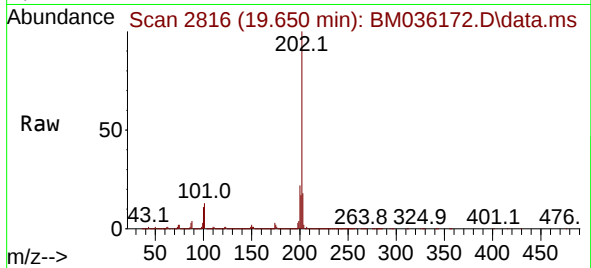




#78
Pyrene
Concen: 74.098 ng
RT: 19.650 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

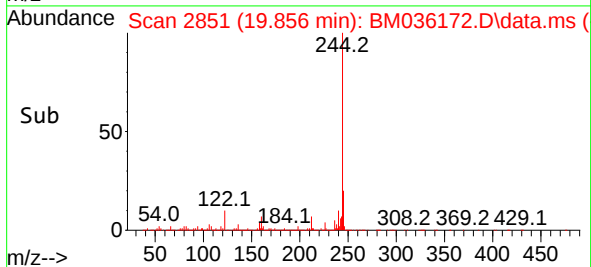
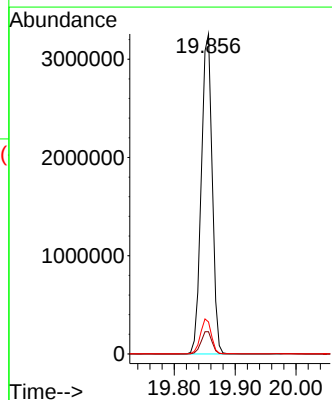
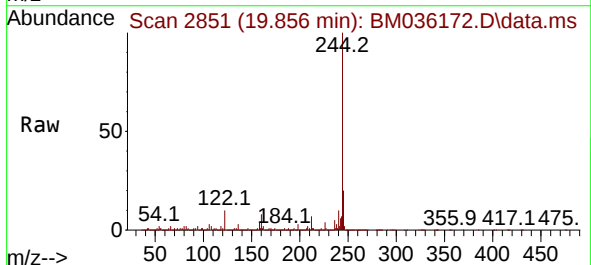
Instrument :
BNA_M
ClientSampleId :
RVE-205

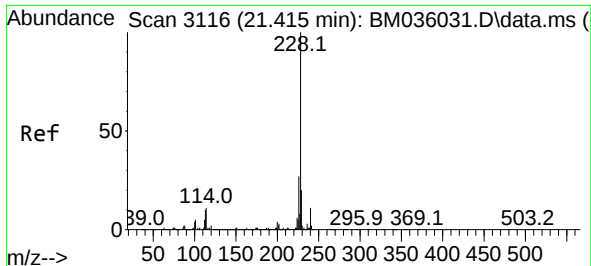
Tgt Ion:202 Resp: 4359805
Ion Ratio Lower Upper
202 100
200 22.0 16.7 25.1
203 18.0 13.9 20.9



#79
Terphenyl-d14
Concen: 83.909 ng
RT: 19.856 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:244 Resp: 4036521
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.4
122 10.0 8.3 12.5

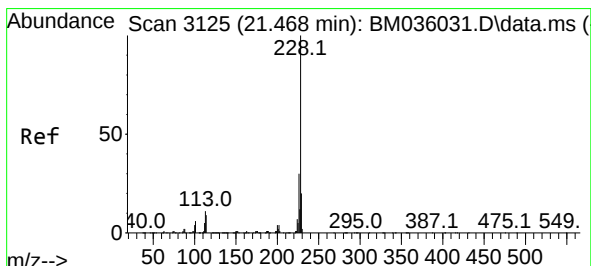
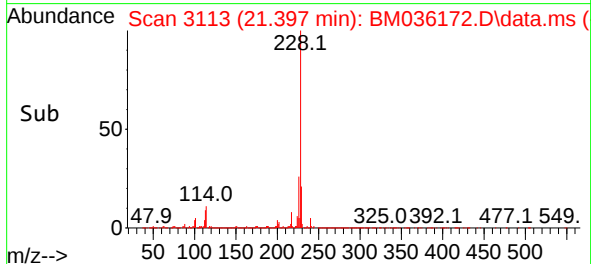
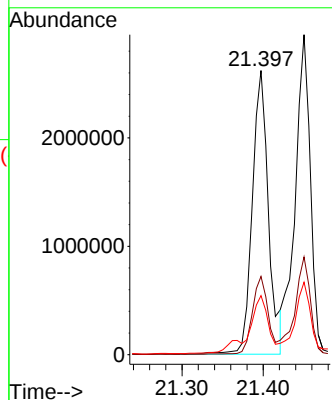
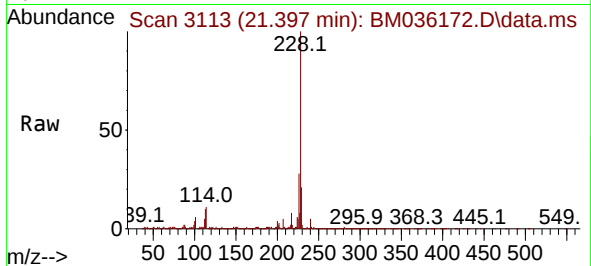




#81
Benzo(a)anthracene
Concen: 62.062 ng
RT: 21.397 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

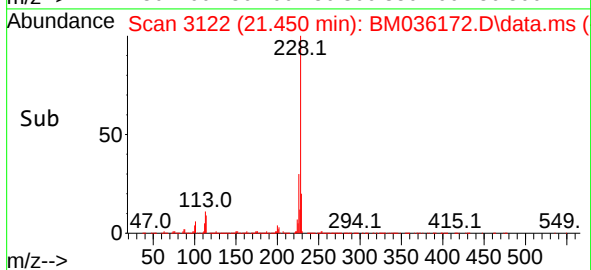
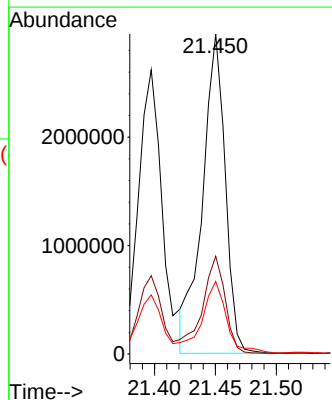
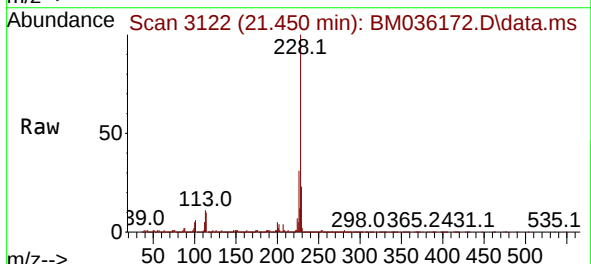
Instrument :
BNA_M
ClientSampleId :
RVE-205

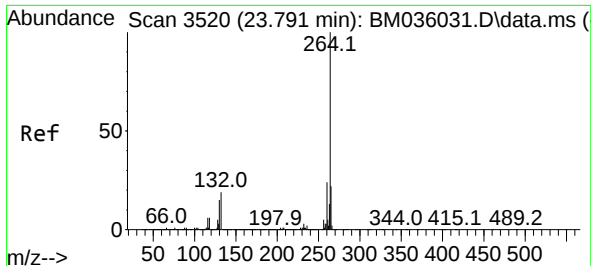
Tgt Ion:228 Resp: 3627141
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 20.8 15.8 23.6



#83
Chrysene
Concen: 68.872 ng
RT: 21.450 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:228 Resp: 3826240
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.6 15.8 23.8

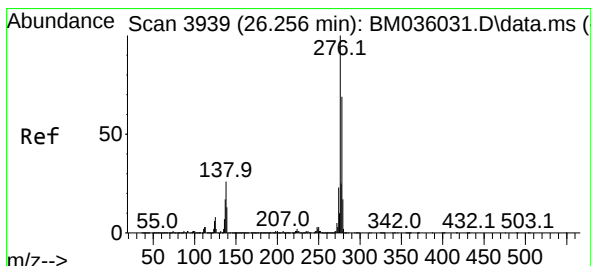
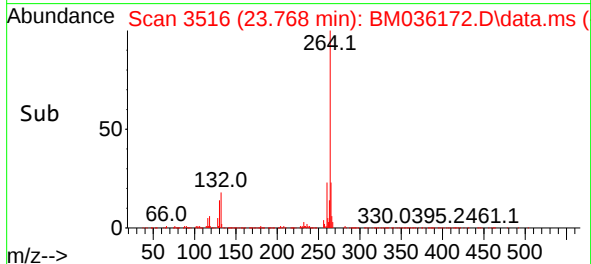
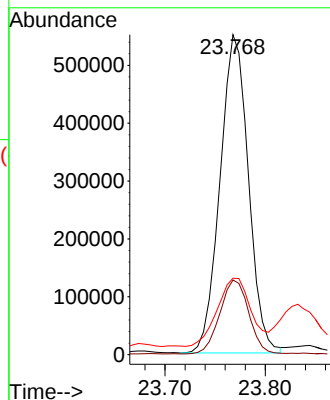
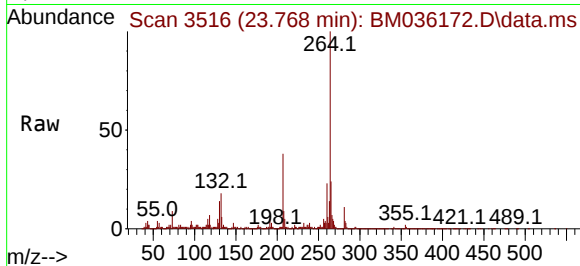




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

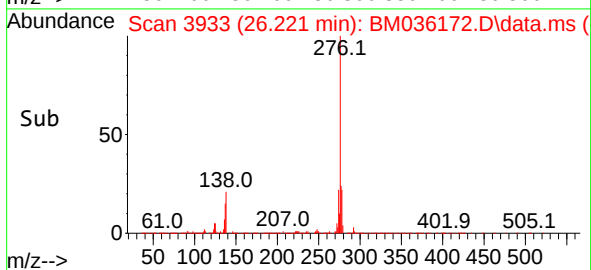
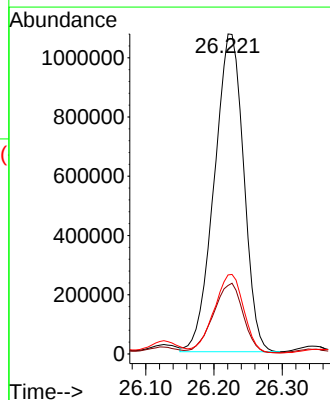
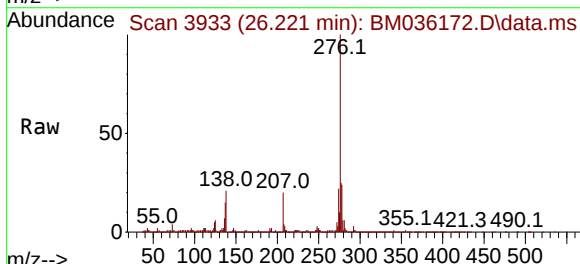
Instrument :
BNA_M
ClientSampleId :
RVE-205

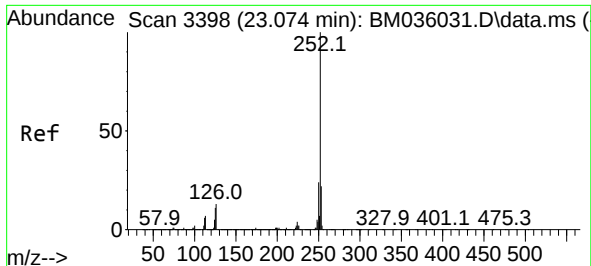
Tgt Ion:264 Resp: 1080983
Ion Ratio Lower Upper
264 100
260 23.3 18.9 28.3
265 23.9 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 42.498 ng
RT: 26.221 min Scan# 3933
Delta R.T. -0.012 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:276 Resp: 3228380
Ion Ratio Lower Upper
276 100
138 22.2 20.2 30.4
277 24.9 20.2 30.2

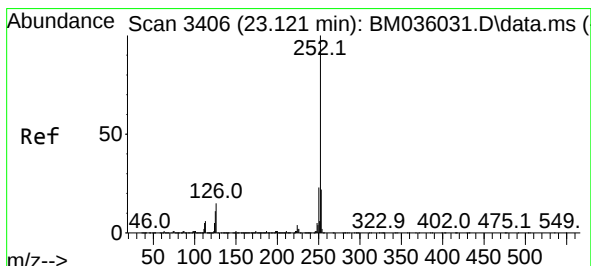
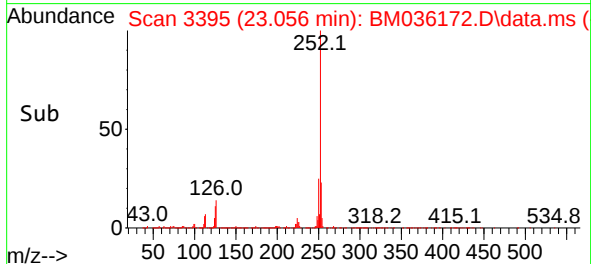
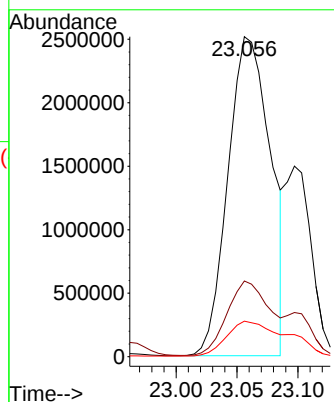
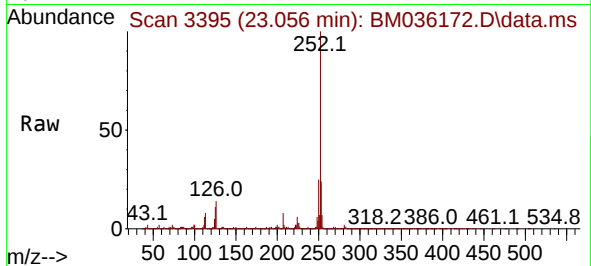




#88
Benzo(b)fluoranthene
Concen: 96.979 ng
RT: 23.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

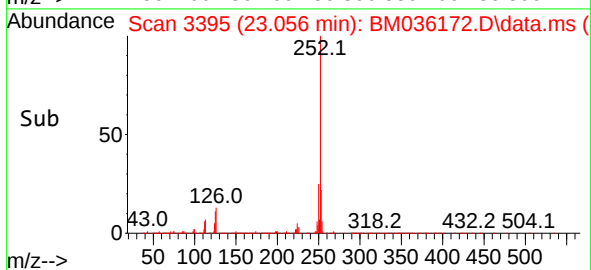
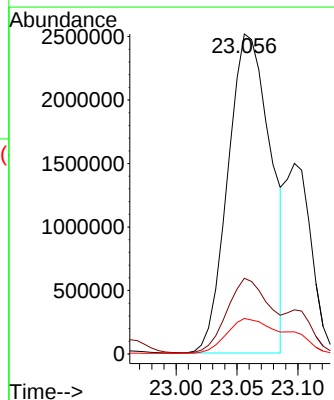
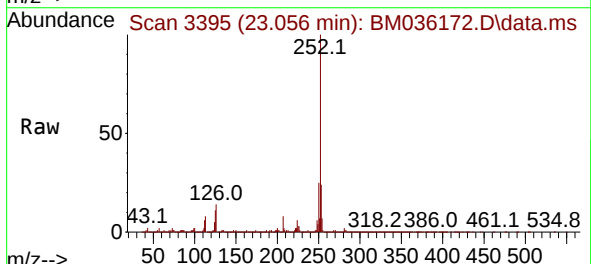
Instrument :
BNA_M
ClientSampleId :
RVE-205

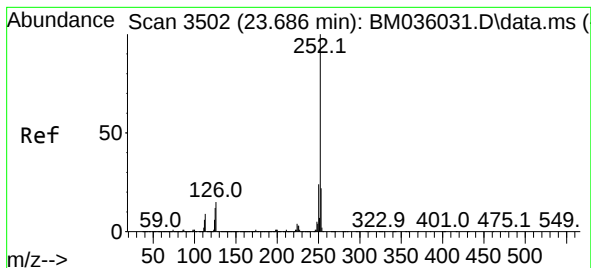
Tgt Ion:252 Resp: 6142050
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 11.1 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 96.018 ng
RT: 23.056 min Scan# 3395
Delta R.T. -0.053 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Tgt Ion:252 Resp: 6142050
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.1 7.6 11.4





#90

Benzo(a)pyrene

Concen: 86.523 ng

RT: 23.674 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM036172.D

Acq: 09 Aug 2022 13:07

Instrument :

BNA_M

ClientSampleId :

RVE-205

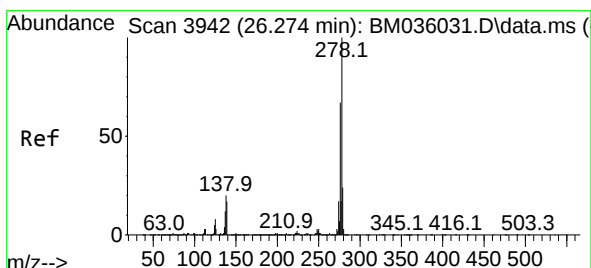
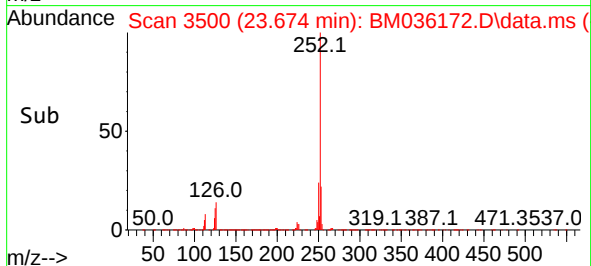
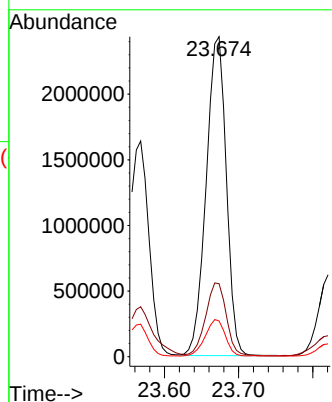
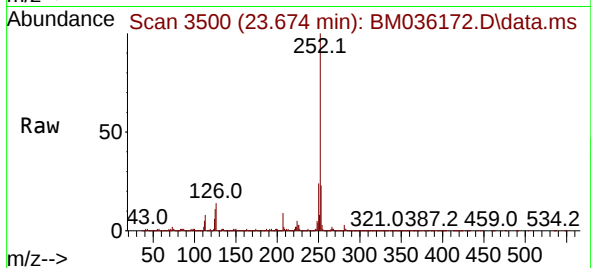
Tgt Ion:252 Resp: 4597748

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 11.1 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 7.841 ng

RT: 26.509 min Scan# 3982

Delta R.T. 0.259 min

Lab File: BM036172.D

Acq: 09 Aug 2022 13:07

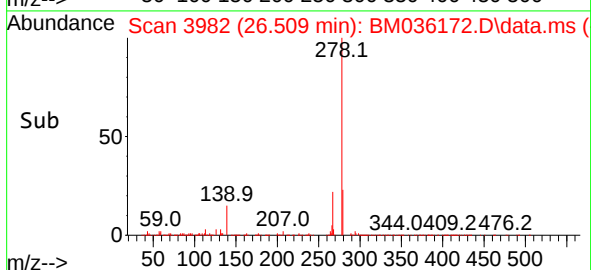
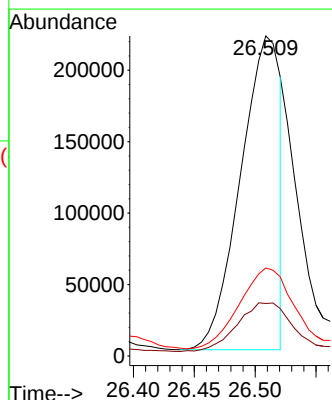
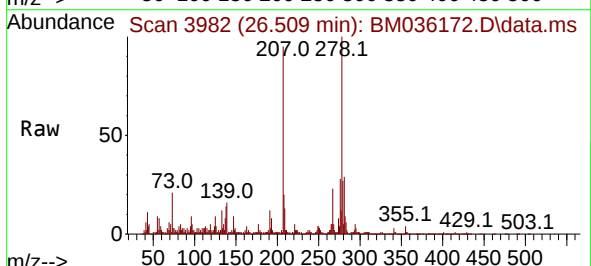
Tgt Ion:278 Resp: 498582

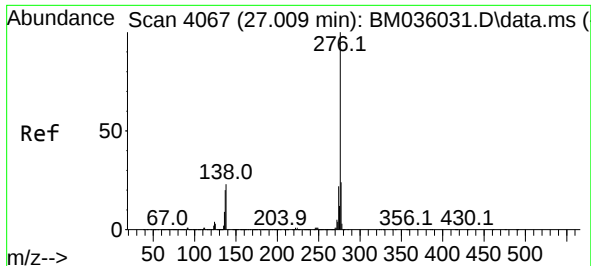
Ion Ratio Lower Upper

278 100

139 16.4 12.9 19.3

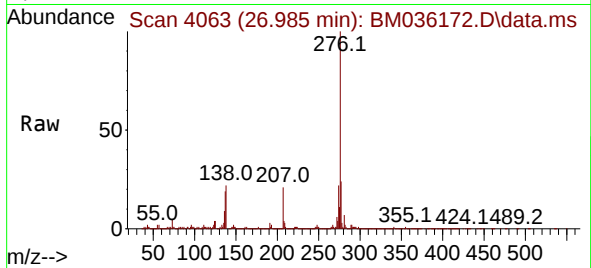
279 27.5 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 54.620 ng
RT: 26.985 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BM036172.D
Acq: 09 Aug 2022 13:07

Instrument :
BNA_M
ClientSampleId :
RVE-205



Tgt Ion:276 Resp: 3362346
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 22.3 17.6 26.4

