

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036105.D
 Acq On : 04 Aug 2022 19:07
 Operator : CG/JU
 Sample : N3931-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-116

Quant Time: Aug 05 03:40:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM080122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 03:36:25 2022
 Response via : Initial Calibration

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

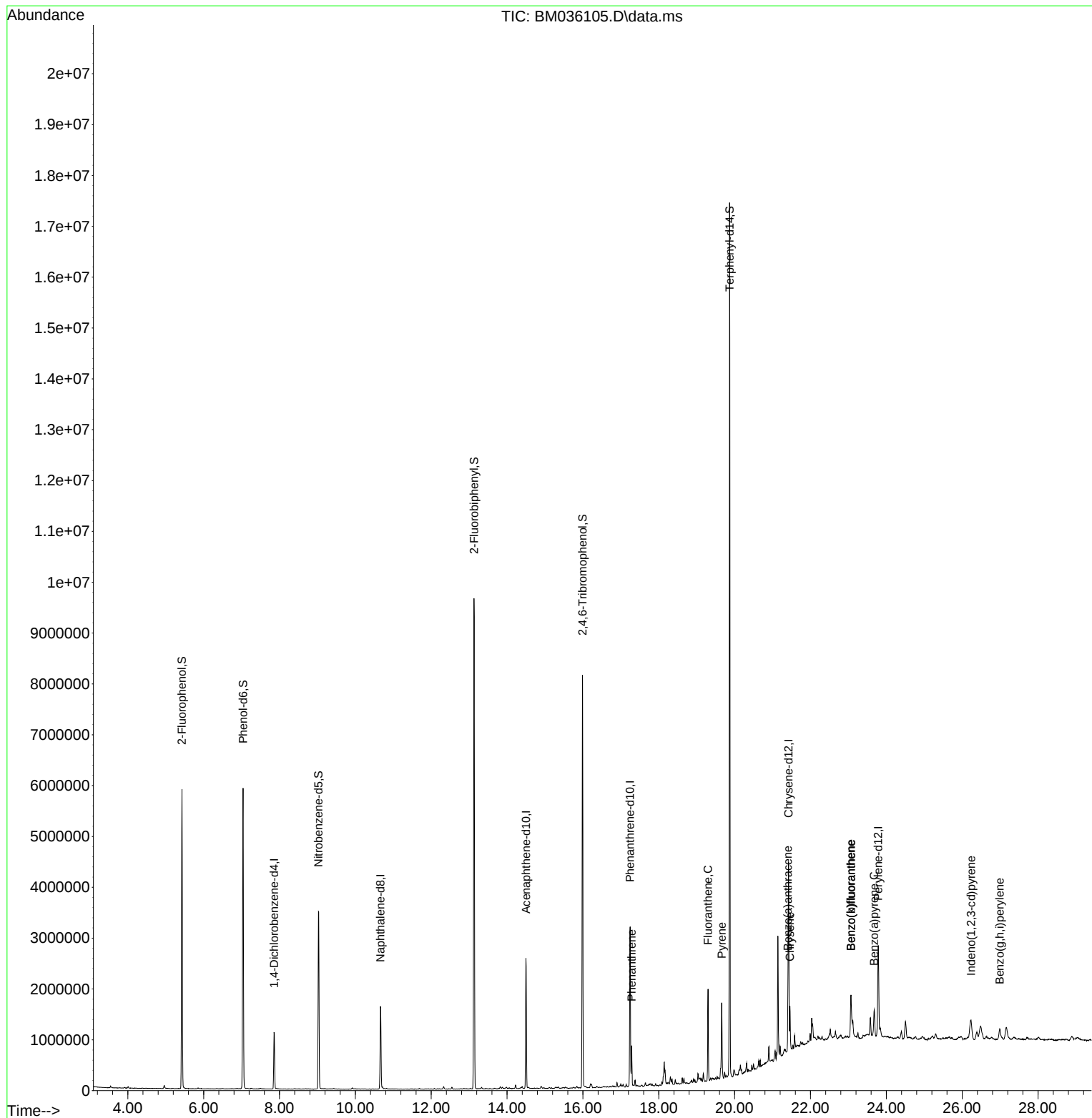
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	307544	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1376973	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	878461	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1871963	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1497860	20.000	ng	0.00
86) Perylene-d12	23.786	264	1273715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2521883	132.945	ng	0.00
7) Phenol-d6	7.040	99	3362019	139.288	ng	0.00
23) Nitrobenzene-d5	9.028	82	2041205	82.979	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1527422	148.214	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	4909375	82.514	ng	0.00
79) Terphenyl-d14	19.868	244	7948441	104.668	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.286	178	467189	4.899	ng	100
75) Fluoranthene	19.298	202	971298	9.098	ng	99
78) Pyrene	19.662	202	890741	9.590	ng	100
81) Benzo(a)anthracene	21.403	228	452235	4.902	ng	99
83) Chrysene	21.456	228	471672	5.378	ng	97
87) Indeno(1,2,3-cd)pyrene	26.232	276	249311	2.785	ng	98
88) Benzo(b)fluoranthene	23.068	252	552701	7.406	ng	# 97
89) Benzo(k)fluoranthene	23.068	252	552701	7.333	ng	# 97
90) Benzo(a)pyrene	23.680	252	329979	5.270	ng	# 95
92) Benzo(g,h,i)perylene	26.991	276	248050	3.420	ng	97

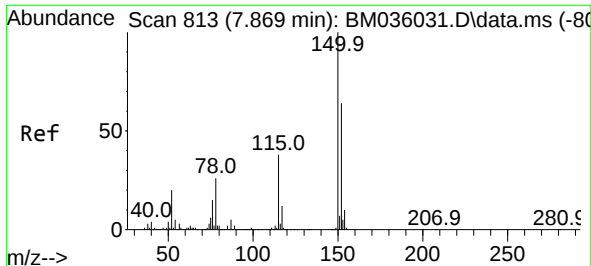
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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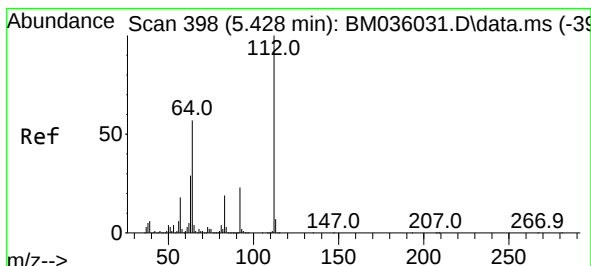
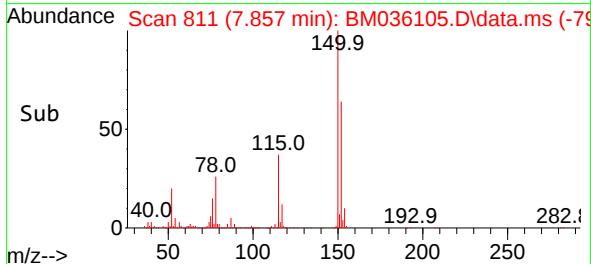
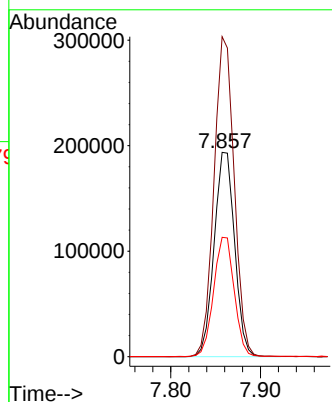
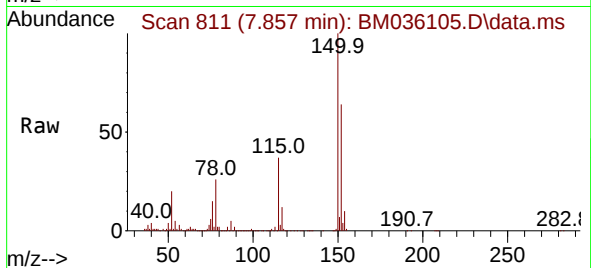




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

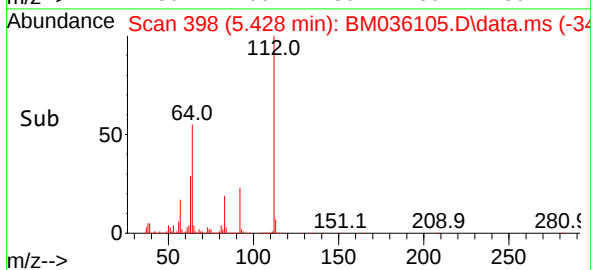
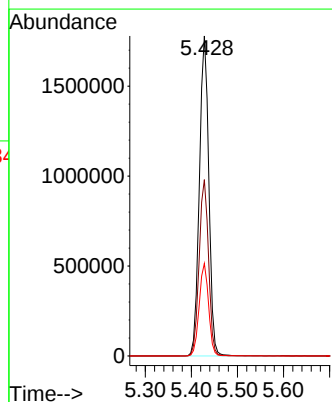
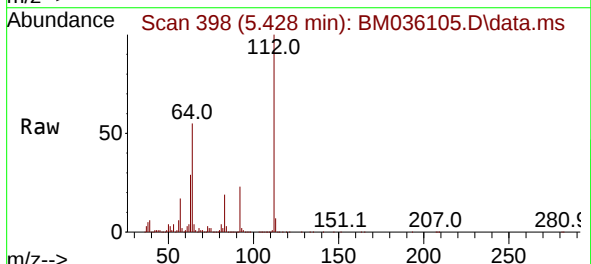
Instrument :
BNA_M
ClientSampleId :
RVE-116

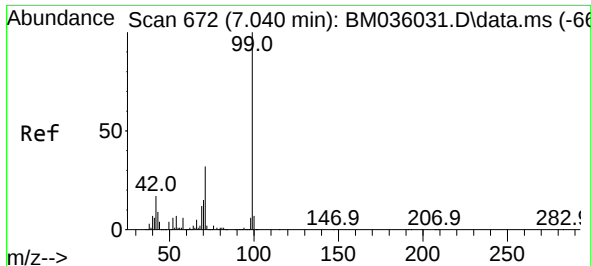
Tgt Ion:152 Resp: 307544
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 58.4 47.9 71.9



#5
2-Fluorophenol
Concen: 132.945 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:112 Resp: 2521883
Ion Ratio Lower Upper
112 100
64 55.1 47.8 71.6
63 28.9 26.6 40.0

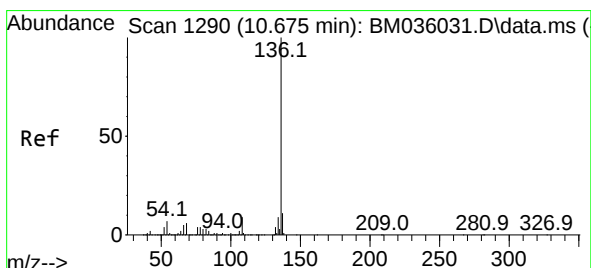
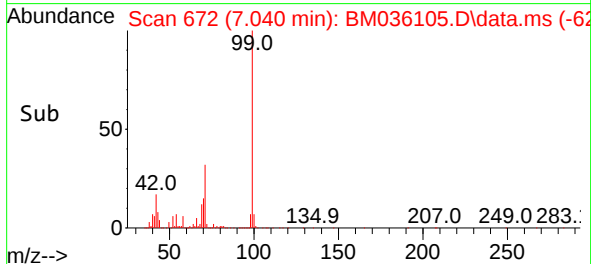
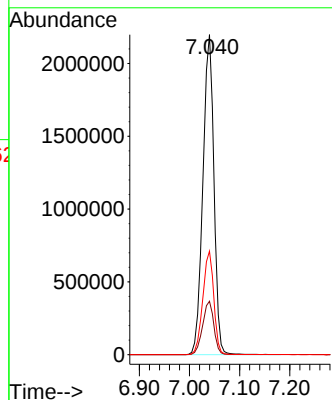
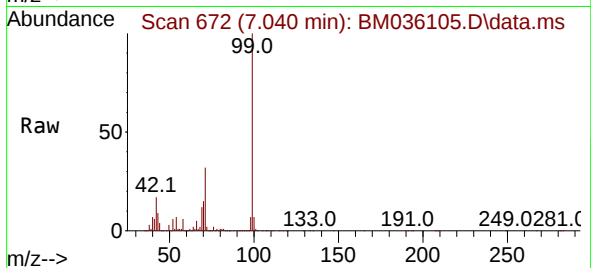




#7
Phenol-d6
Concen: 139.288 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

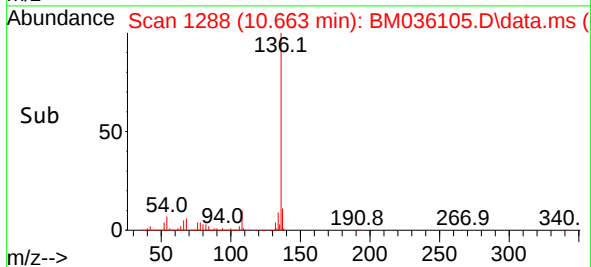
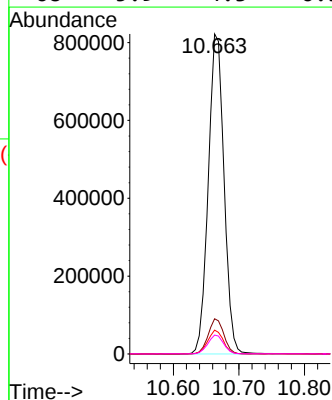
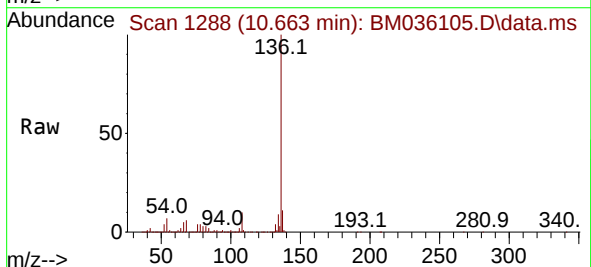
Instrument :
BNA_M
ClientSampleId :
RVE-116

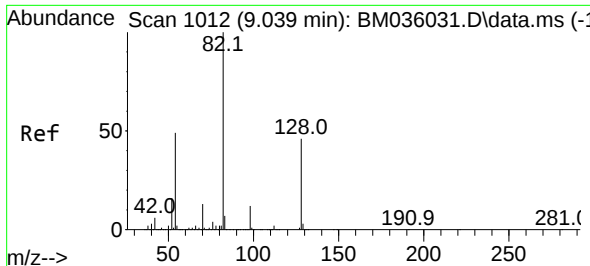
Tgt Ion: 99 Resp: 3362019
Ion Ratio Lower Upper
99 100
42 16.7 18.8 28.2#
71 32.4 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:136 Resp: 1376973
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 7.0 10.4
68 5.9 4.3 6.5

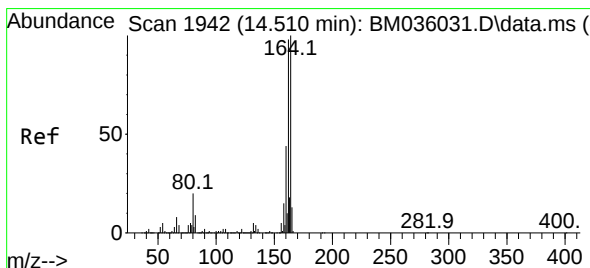
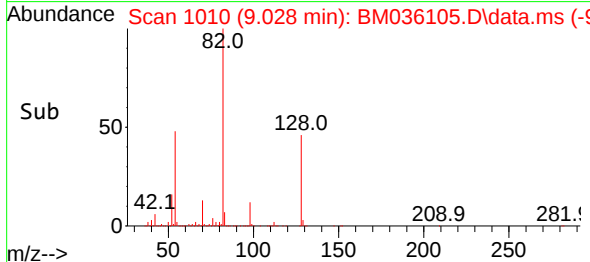
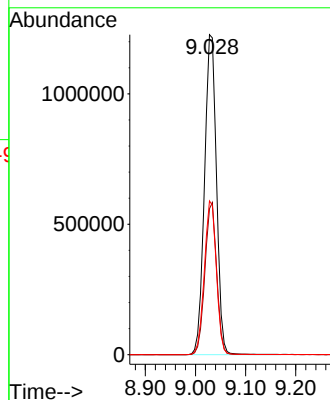
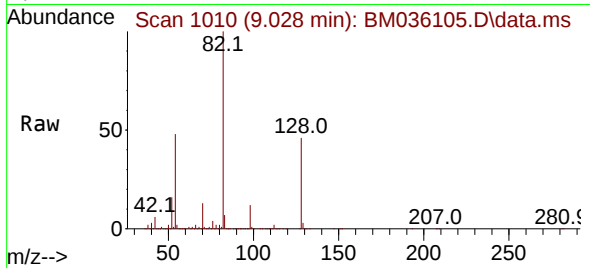




#23
 Nitrobenzene-d5
 Concen: 82.979 ng
 RT: 9.028 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: BM036105.D
 Acq: 04 Aug 2022 19:07

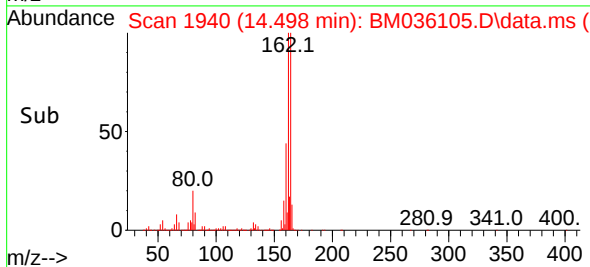
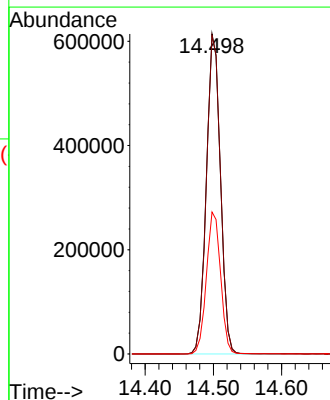
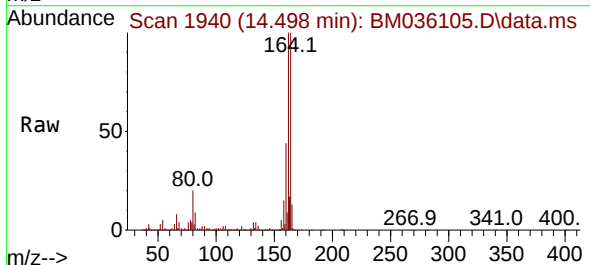
Instrument :
 BNA_M
 ClientSampleId :
 RVE-116

Tgt Ion: 82 Resp: 2041205
 Ion Ratio Lower Upper
 82 100
 128 45.6 33.7 50.5
 54 48.0 43.2 64.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.498 min Scan# 1940
 Delta R.T. 0.000 min
 Lab File: BM036105.D
 Acq: 04 Aug 2022 19:07

Tgt Ion: 164 Resp: 878461
 Ion Ratio Lower Upper
 164 100
 162 99.5 83.0 124.6
 160 44.3 37.0 55.4

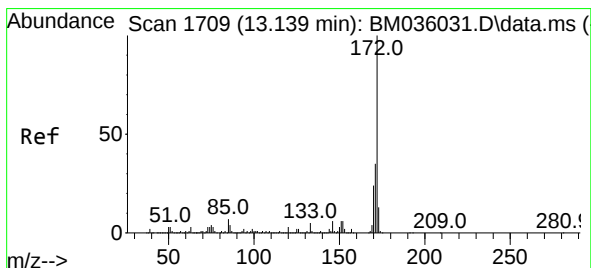
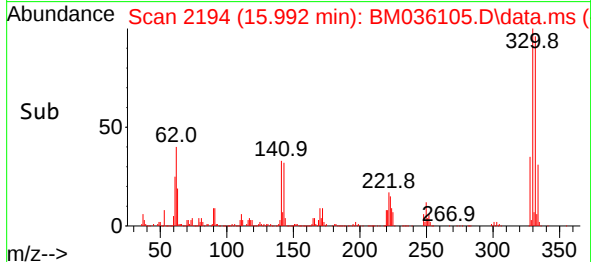
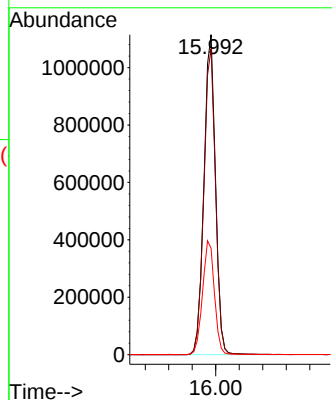
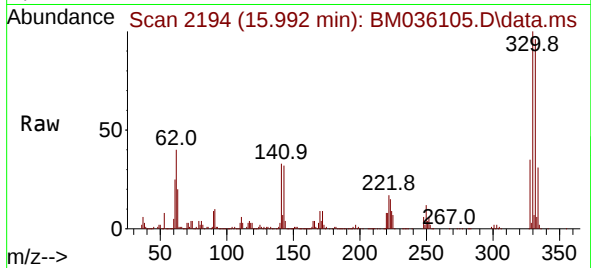




#42
2,4,6-Tribromophenol
Concen: 148.214 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

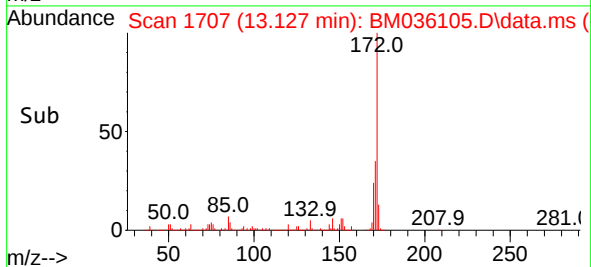
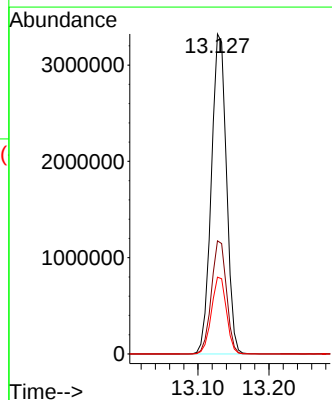
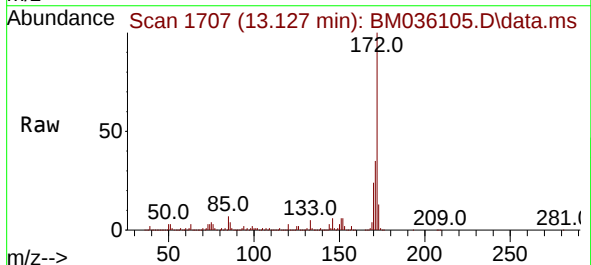
Instrument :
BNA_M
ClientSampleId :
RVE-116

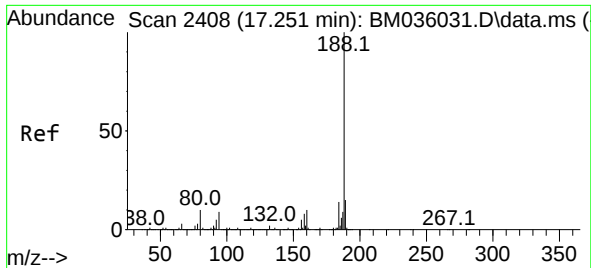
Tgt Ion:330 Resp: 1527422
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 36.6 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 82.514 ng
RT: 13.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:172 Resp: 4909375
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 24.0 18.7 28.1

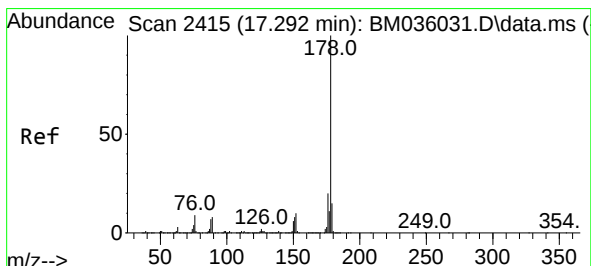
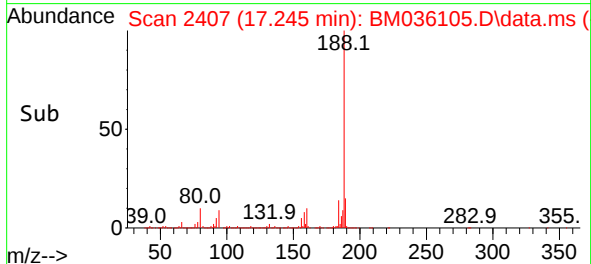
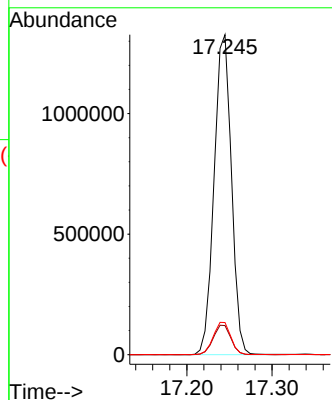
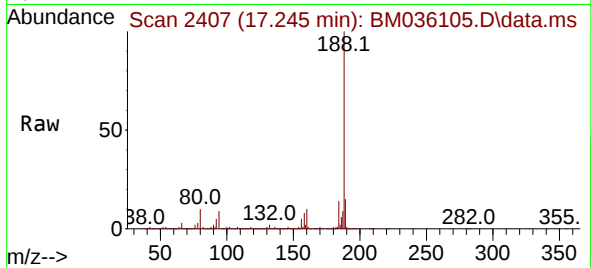




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

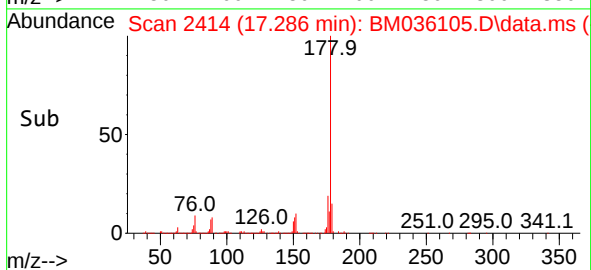
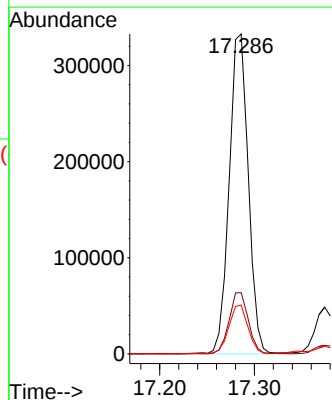
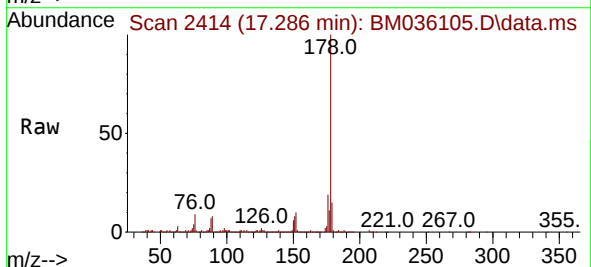
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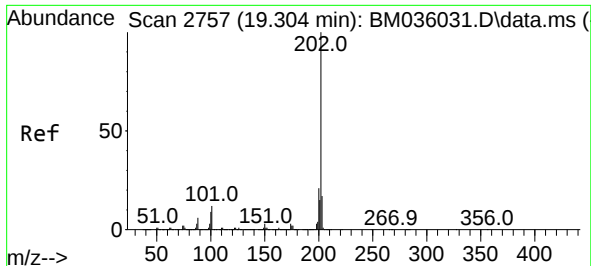
Tgt Ion:188 Resp: 1871963
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 10.1 7.6 11.4



#71
Phenanthrene
Concen: 4.899 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:178 Resp: 467189
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.4 18.6

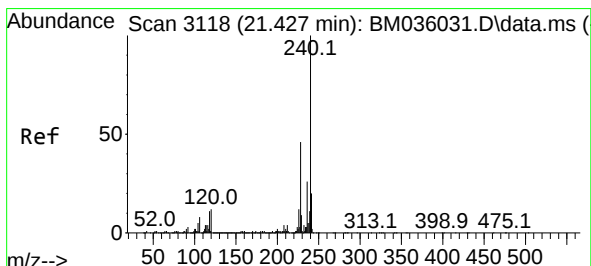
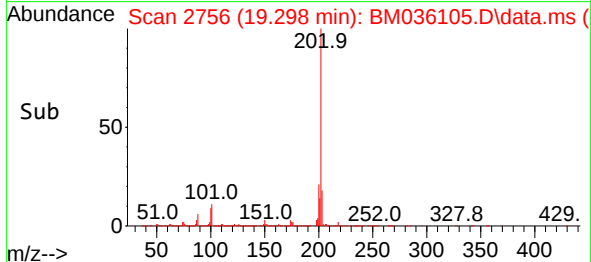
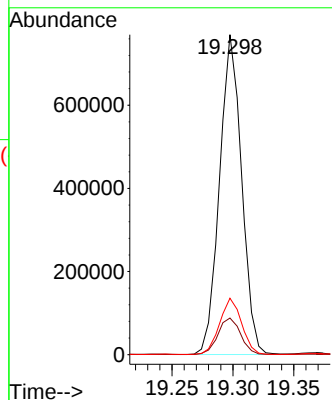
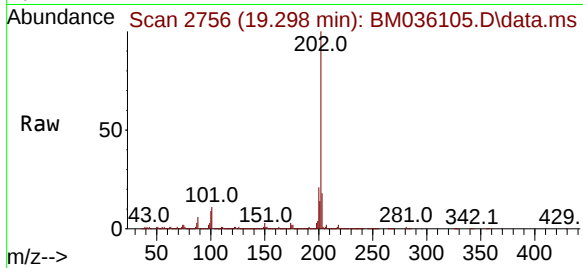




#75
Fluoranthene
Concen: 9.098 ng
RT: 19.298 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

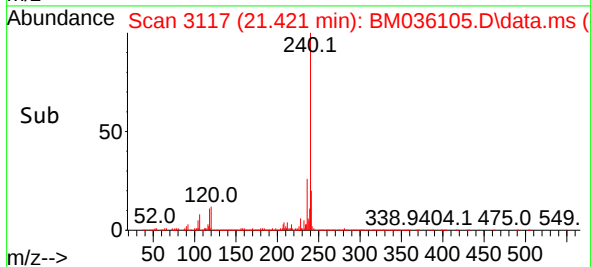
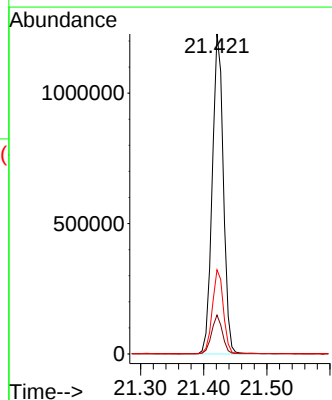
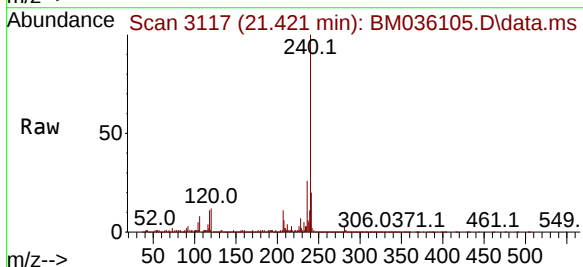
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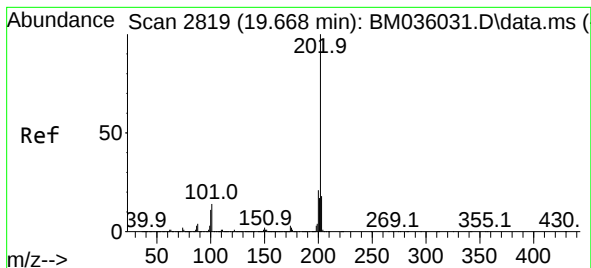
Tgt Ion:202 Resp: 971298
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.6
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:240 Resp: 1497860
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.0
236 26.3 20.6 30.8





#78

Pyrene

Concen: 9.590 ng

RT: 19.662 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Instrument :

BNA_M

ClientSampleId :

RVE-116

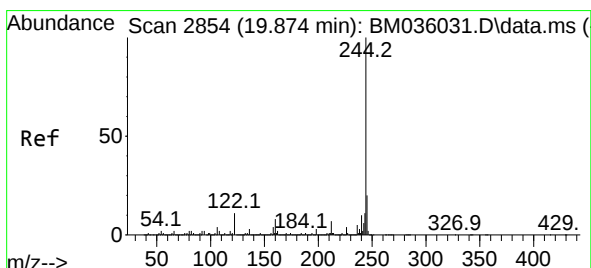
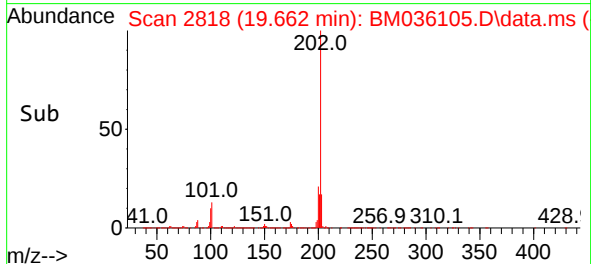
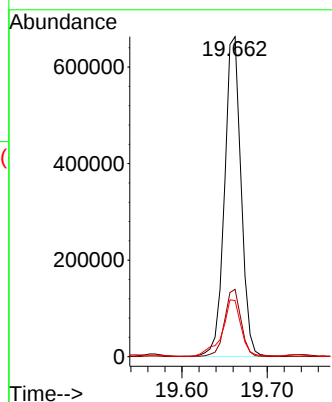
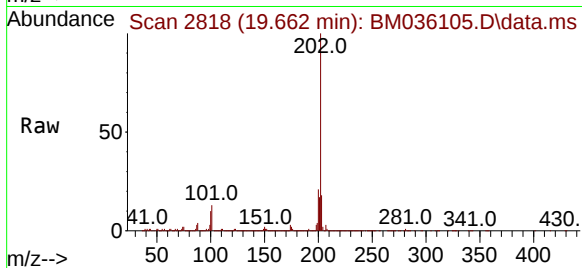
Tgt Ion:202 Resp: 890741

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.6 13.9 20.9



#79

Terphenyl-d14

Concen: 104.668 ng

RT: 19.868 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

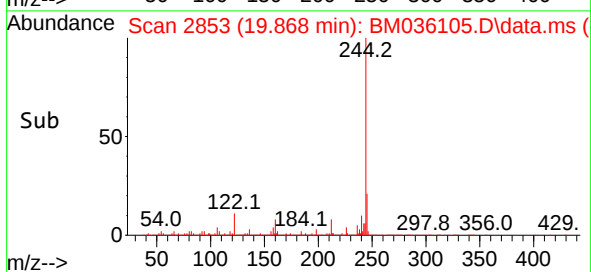
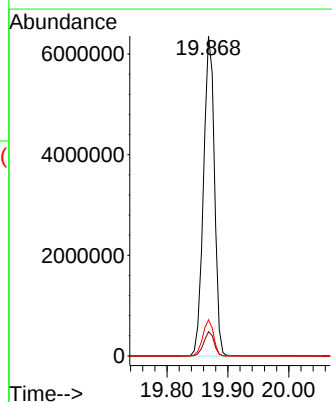
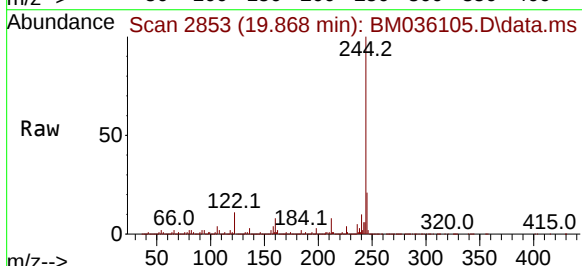
Tgt Ion:244 Resp: 7948441

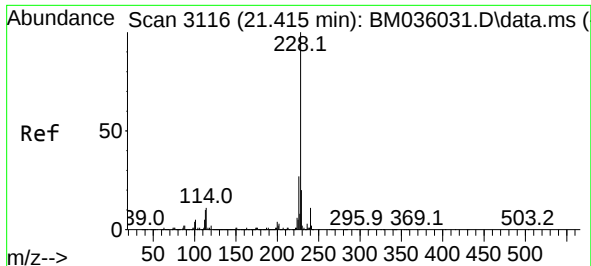
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 11.3 8.3 12.5

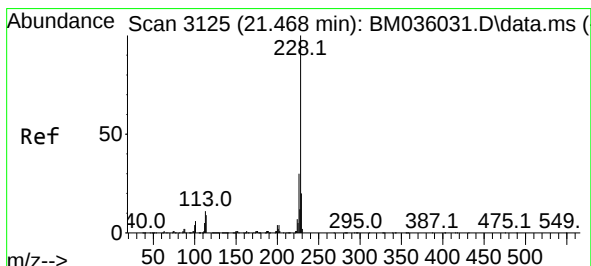
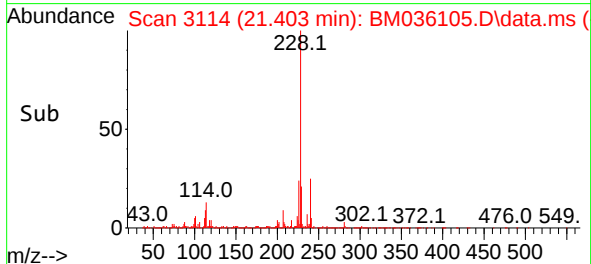
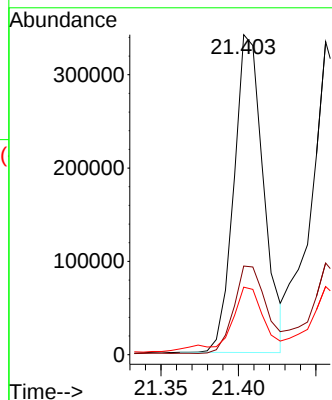
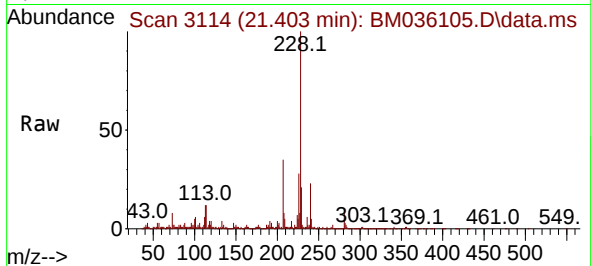




#81
Benzo(a)anthracene
Concen: 4.902 ng
RT: 21.403 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

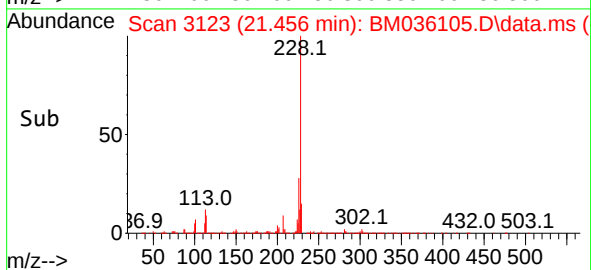
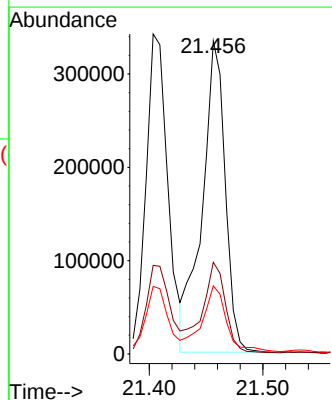
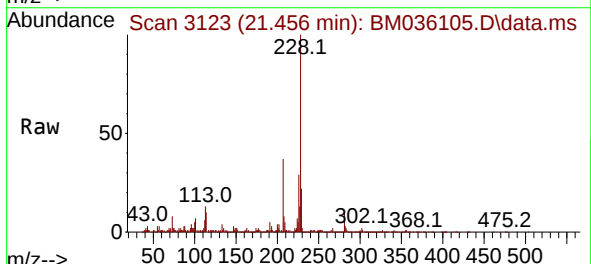
Instrument :
BNA_M
ClientSampleId :
RVE-116

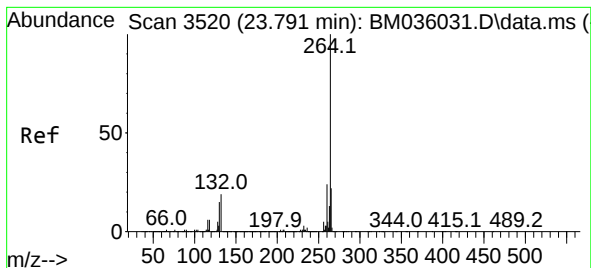
Tgt Ion:228 Resp: 452235
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 21.1 15.8 23.6



#83
Chrysene
Concen: 5.378 ng
RT: 21.456 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:228 Resp: 471672
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.786 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Instrument :

BNA_M

ClientSampleId :

RVE-116

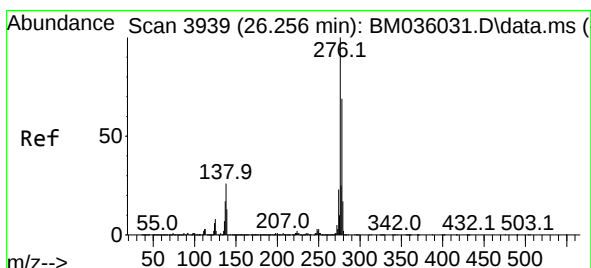
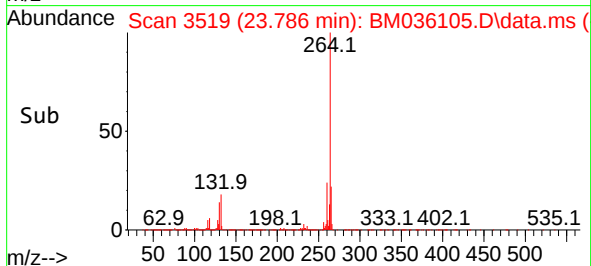
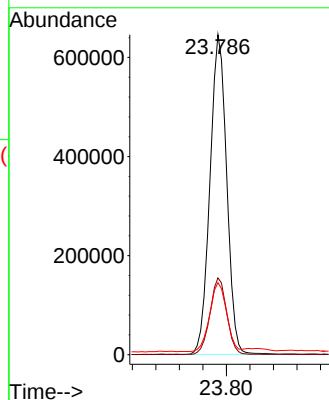
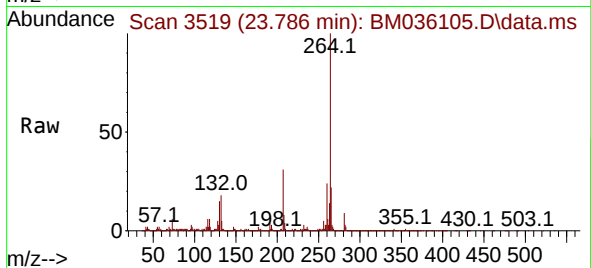
Tgt Ion:264 Resp: 1273715

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 22.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.785 ng

RT: 26.232 min Scan# 3935

Delta R.T. -0.012 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

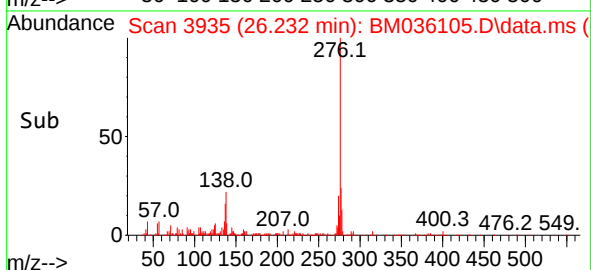
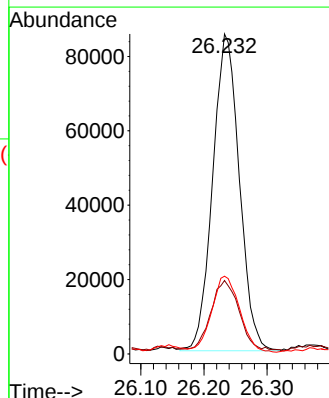
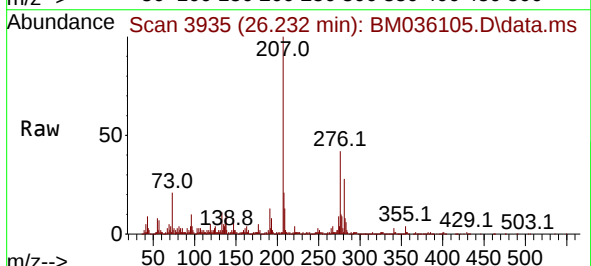
Tgt Ion:276 Resp: 249311

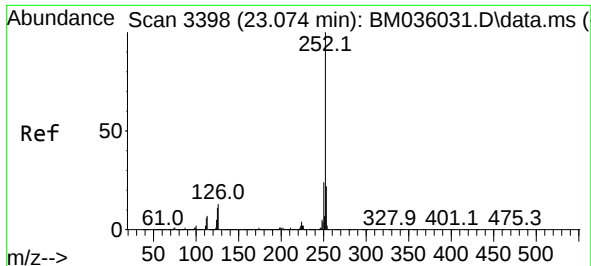
Ion Ratio Lower Upper

276 100

138 23.9 20.2 30.4

277 25.4 20.2 30.2

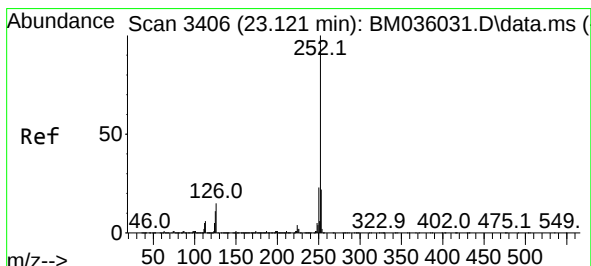
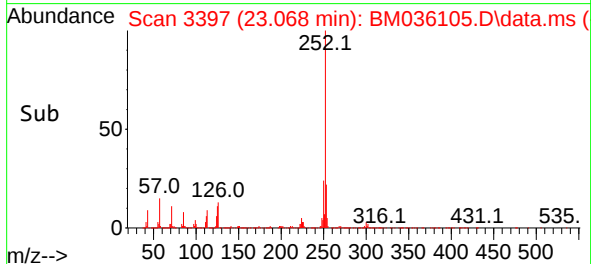
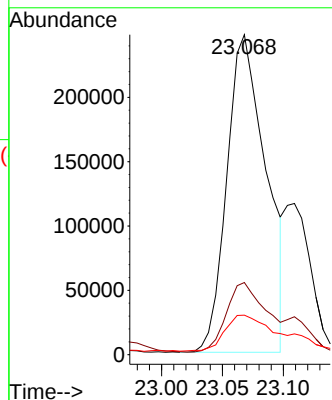
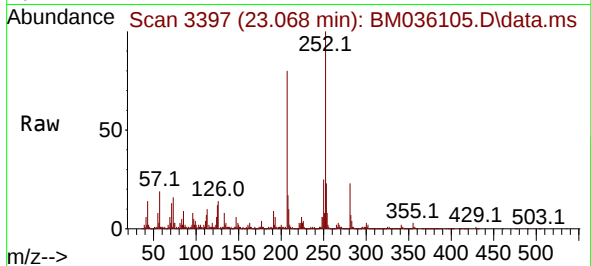




#88
Benzo(b)fluoranthene
Concen: 7.406 ng
RT: 23.068 min Scan# 3397
Delta R.T. 0.000 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

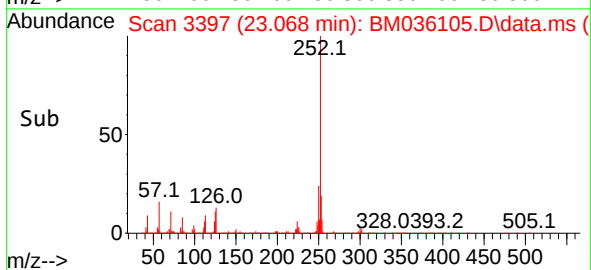
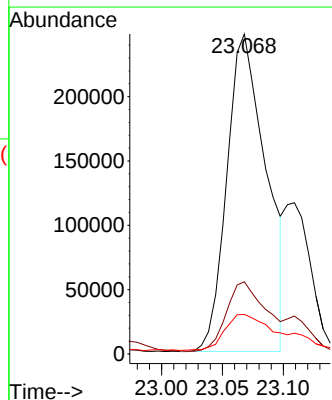
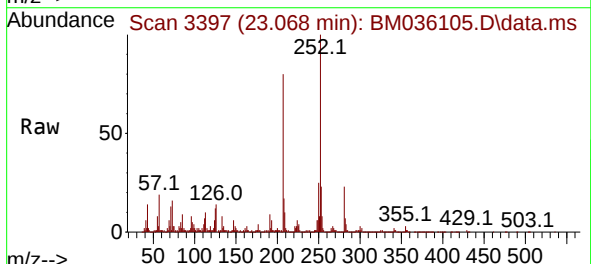
Instrument :
BNA_M
ClientSampleId :
RVE-116

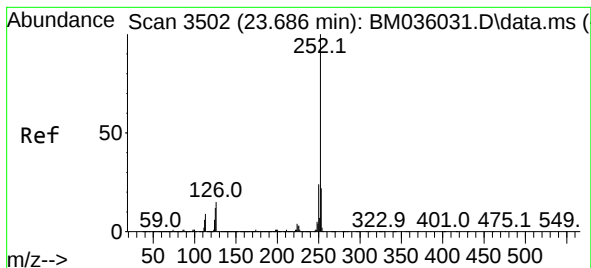
Tgt Ion:252 Resp: 552701
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 12.4 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 7.333 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.047 min
Lab File: BM036105.D
Acq: 04 Aug 2022 19:07

Tgt Ion:252 Resp: 552701
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 12.4 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 5.270 ng

RT: 23.680 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Instrument :

BNA_M

ClientSampleId :

RVE-116

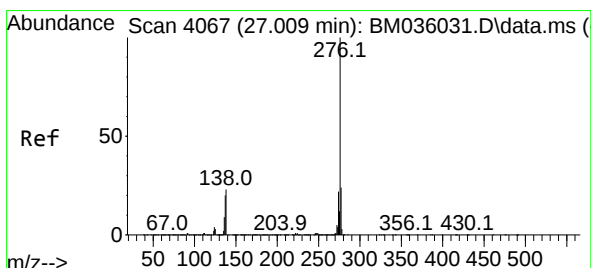
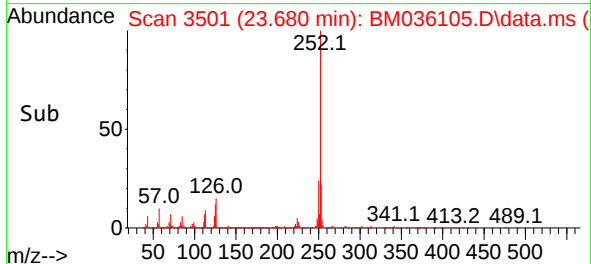
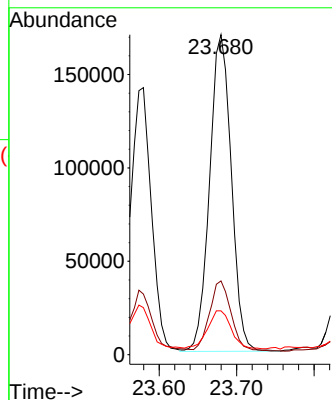
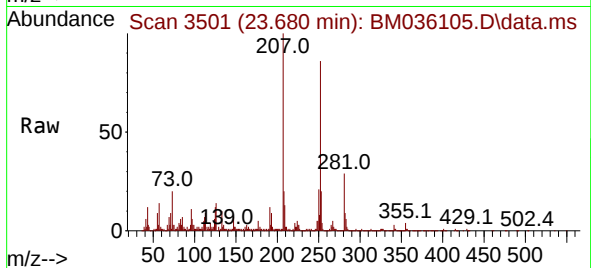
Tgt Ion:252 Resp: 329979

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 13.7 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 3.420 ng

RT: 26.991 min Scan# 4064

Delta R.T. -0.006 min

Lab File: BM036105.D

Acq: 04 Aug 2022 19:07

Tgt Ion:276 Resp: 248050

Ion Ratio Lower Upper

276 100

277 25.3 18.7 28.1

138 23.2 17.6 26.4

