

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080222\
 Data File : BM036069.D
 Acq On : 03 Aug 2022 01:46
 Operator : CG/JU
 Sample : N3896-07RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-64

Quant Time: Aug 03 02:36:55 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 01 17:50:14 2022
 Response via : Initial Calibration

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

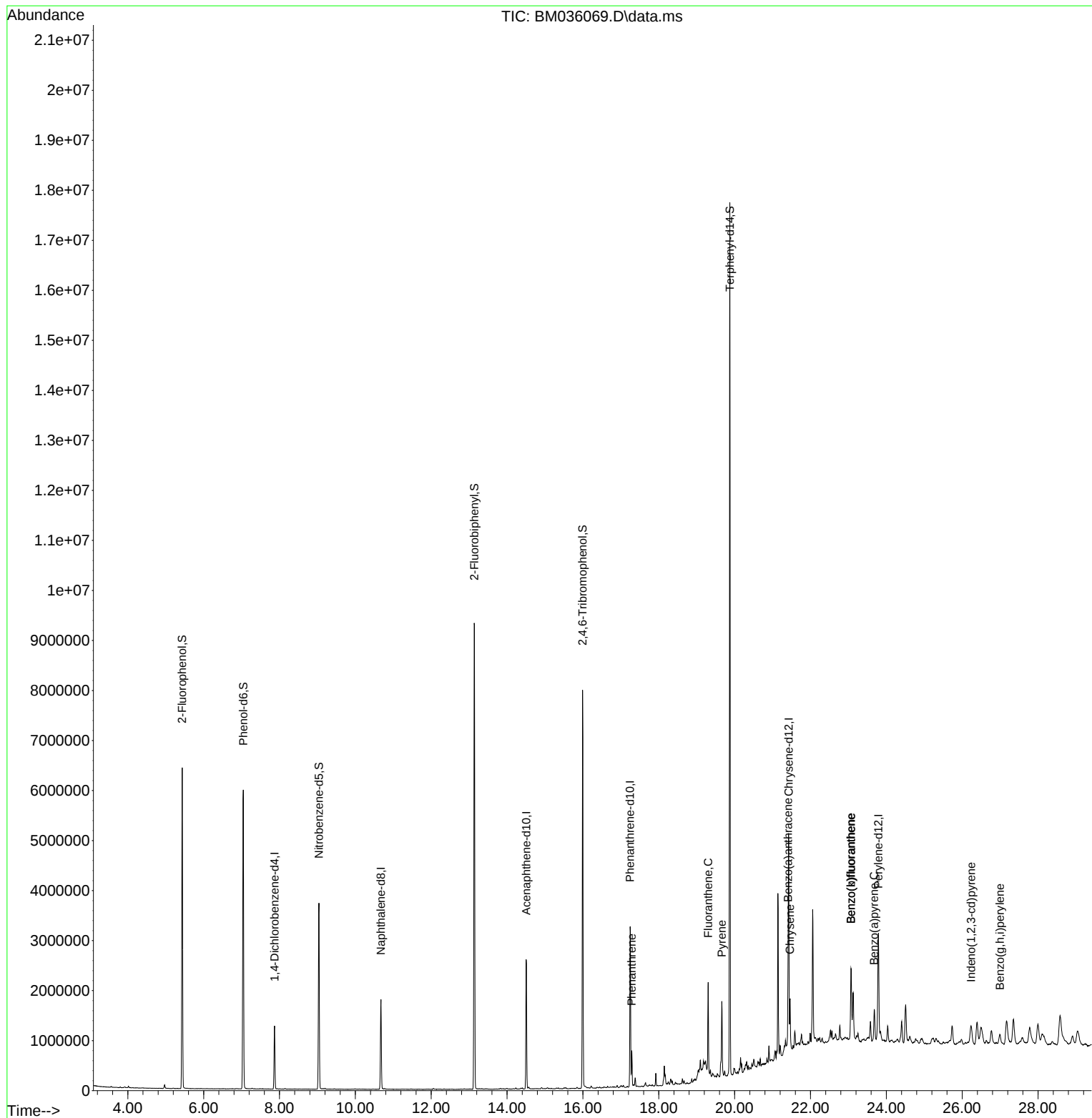
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	340933	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	1475619	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	889474	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	1883083	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1778934	20.000	ng	0.00
86) Perylene-d12	23.792	264	1506799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2749744	130.760	ng	0.00
7) Phenol-d6	7.046	99	3508519	131.122	ng	0.00
23) Nitrobenzene-d5	9.040	82	2114522	80.213	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1446319	138.607	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	4832064	80.209	ng	0.00
79) Terphenyl-d14	19.874	244	8049885	89.255	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.286	178	399940	4.169	ng	98
75) Fluoranthene	19.304	202	984261	9.165	ng	99
78) Pyrene	19.662	202	867024	7.860	ng	99
81) Benzo(a)anthracene	21.409	228	618470	5.644	ng	99
83) Chrysene	21.462	228	521298	5.005	ng	99
87) Indeno(1,2,3-cd)pyrene	26.238	276	258503	2.441	ng	97
88) Benzo(b)fluoranthene	23.068	252	628967	7.125	ng	# 95
89) Benzo(k)fluoranthene	23.068	252	628967	7.054	ng	# 95
90) Benzo(a)pyrene	23.680	252	398941	5.386	ng	# 96
92) Benzo(g,h,i)perylene	26.997	276	239983	2.797	ng	97

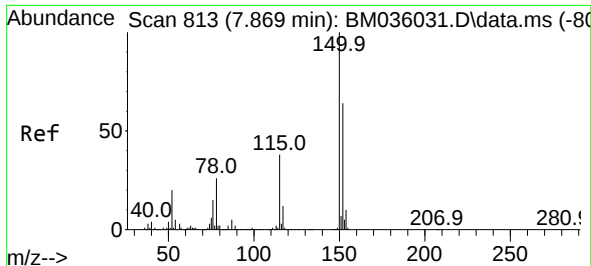
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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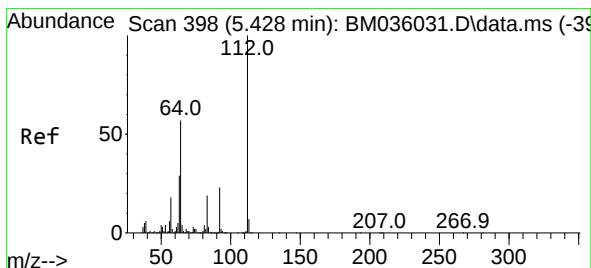
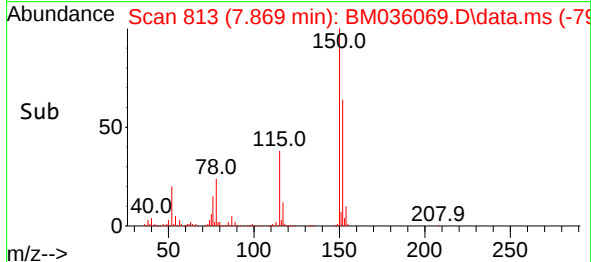
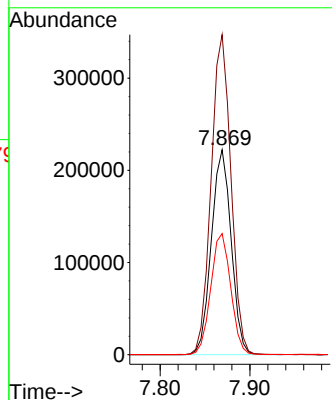
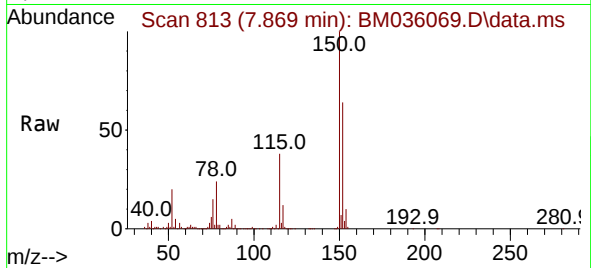




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

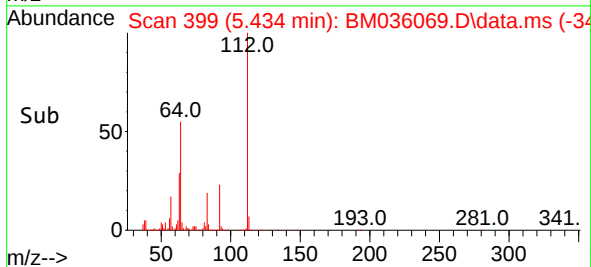
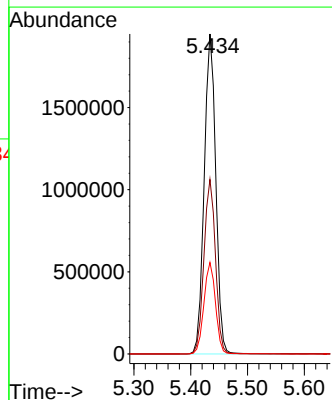
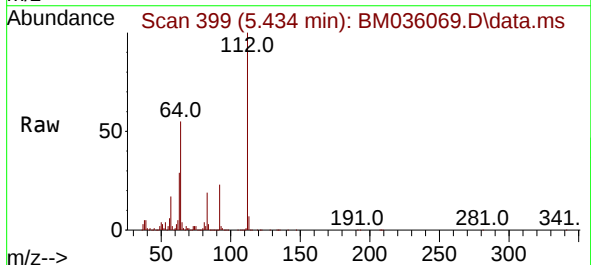
Instrument :
BNA_M
ClientSampleId :
RVE-64

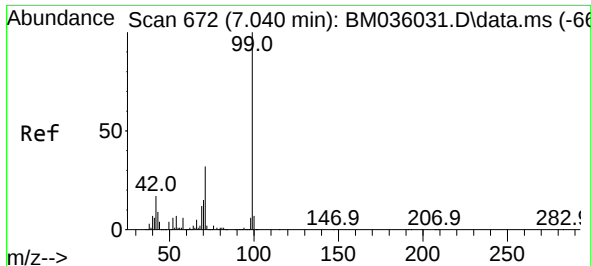
Tgt Ion:152 Resp: 340933
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 59.1 47.9 71.9



#5
2-Fluorophenol
Concen: 130.760 ng
RT: 5.434 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:112 Resp: 2749744
Ion Ratio Lower Upper
112 100
64 54.6 47.8 71.6
63 28.6 26.6 40.0

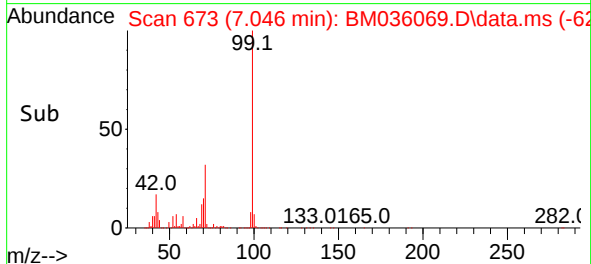
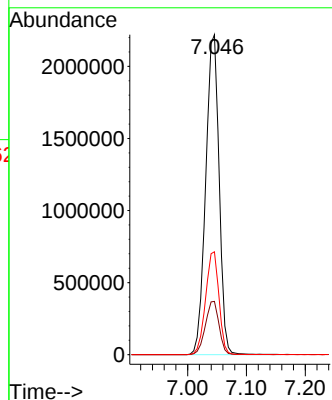
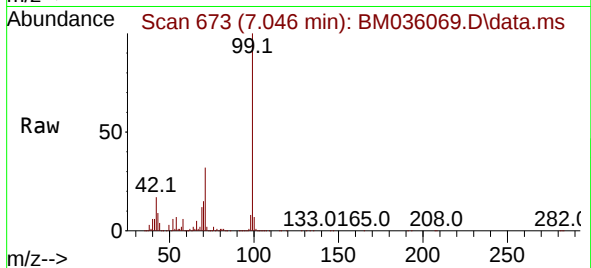




#7
Phenol-d6
Concen: 131.122 ng
RT: 7.046 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

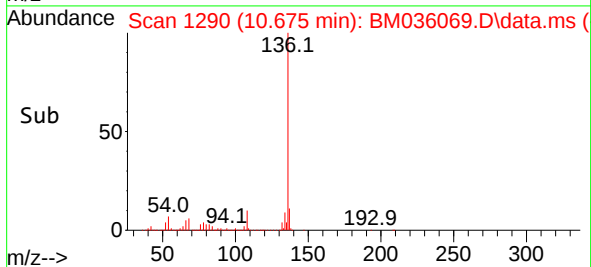
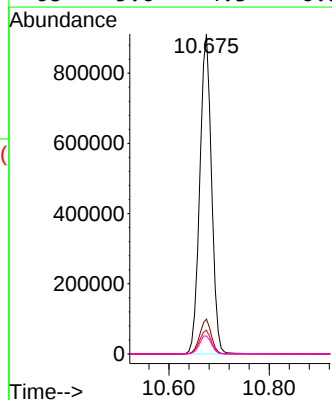
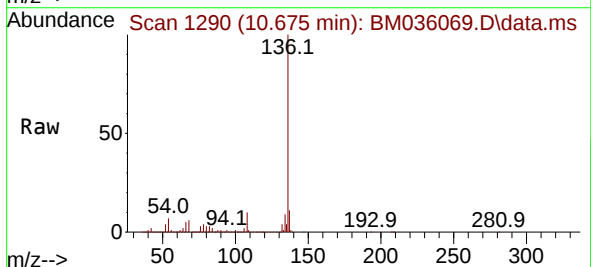
Instrument :
BNA_M
ClientSampleId :
RVE-64

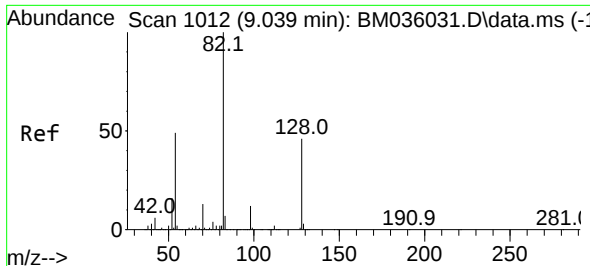
Tgt Ion: 99 Resp: 3508519
Ion Ratio Lower Upper
99 100
42 16.6 18.8 28.2#
71 32.1 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion: 136 Resp: 1475619
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.4 7.0 10.4
68 5.6 4.3 6.5

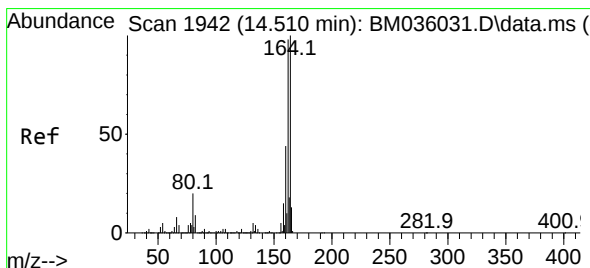
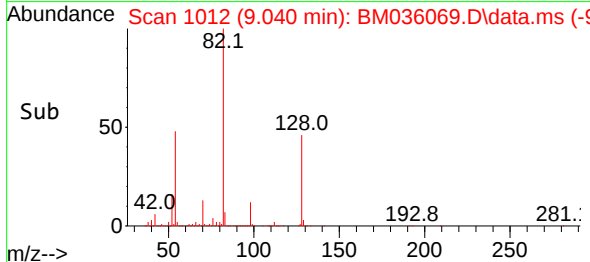
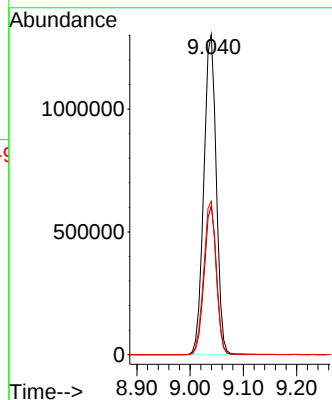
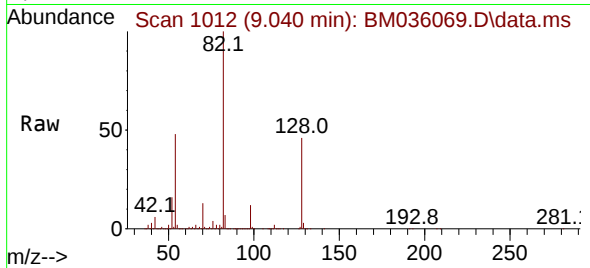




#23
Nitrobenzene-d5
Concen: 80.213 ng
RT: 9.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

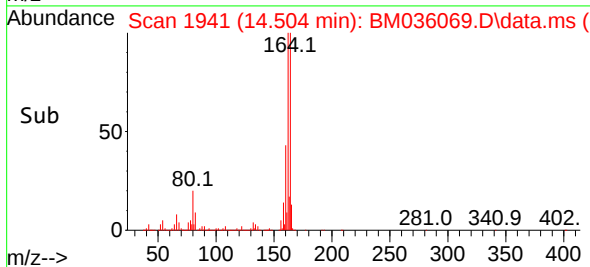
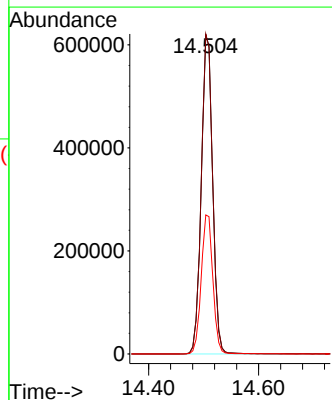
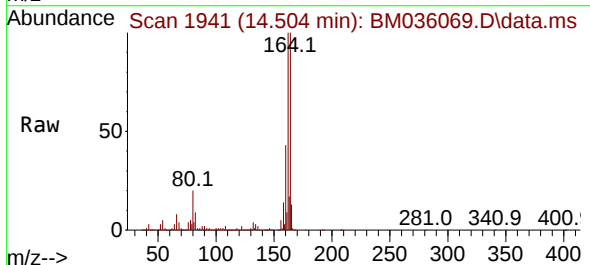
Instrument :
BNA_M
ClientSampleId :
RVE-64

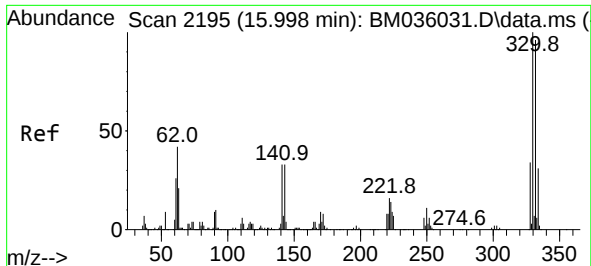
Tgt Ion: 82 Resp: 2114522
Ion Ratio Lower Upper
82 100
128 46.4 33.7 50.5
54 47.9 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:164 Resp: 889474
Ion Ratio Lower Upper
164 100
162 100.5 83.0 124.6
160 43.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 138.607 ng

RT: 15.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM036069.D

Acq: 03 Aug 2022 01:46

Instrument :

BNA_M

ClientSampleId :

RVE-64

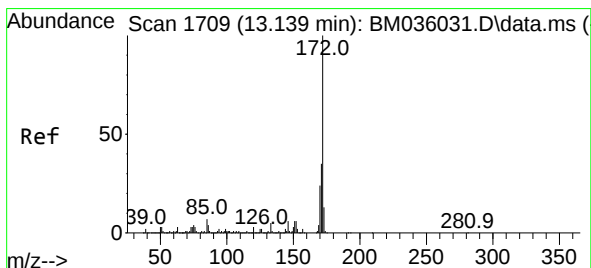
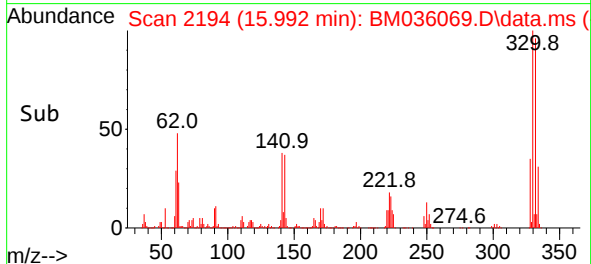
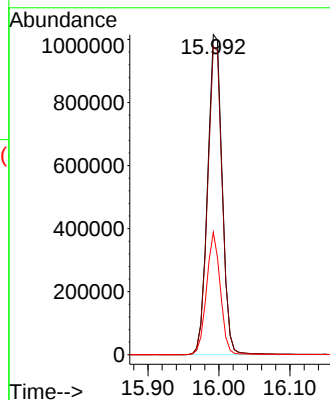
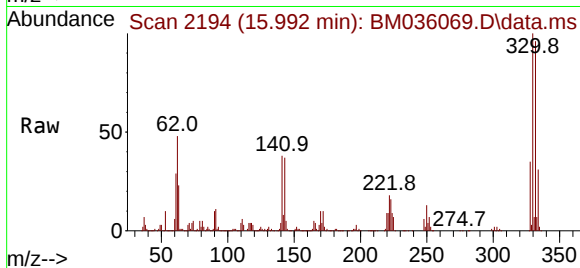
Tgt Ion:330 Resp: 1446319

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.4

141 36.3 35.3 52.9



#45

2-Fluorobiphenyl

Concen: 80.209 ng

RT: 13.139 min Scan# 1709

Delta R.T. 0.000 min

Lab File: BM036069.D

Acq: 03 Aug 2022 01:46

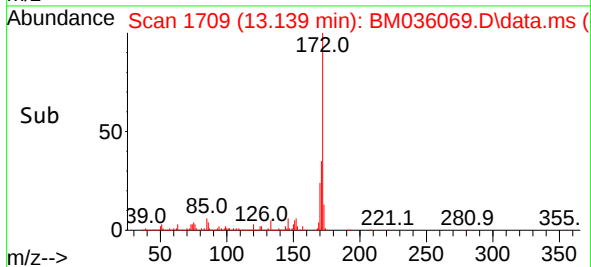
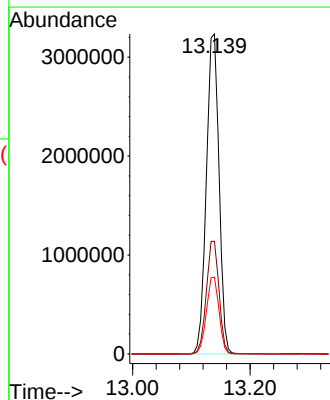
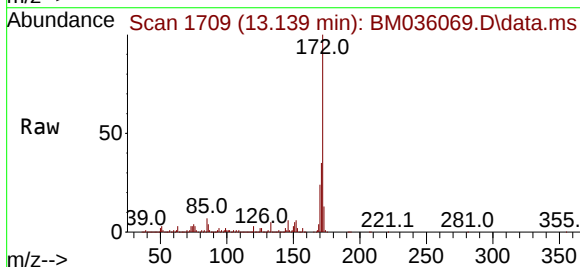
Tgt Ion:172 Resp: 4832064

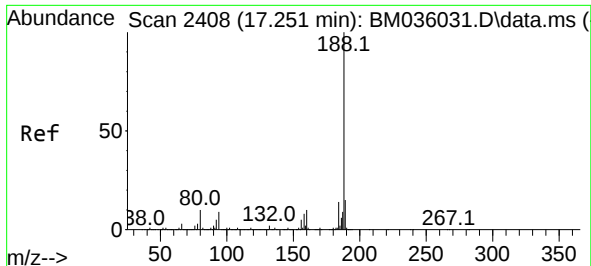
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 24.0 18.7 28.1

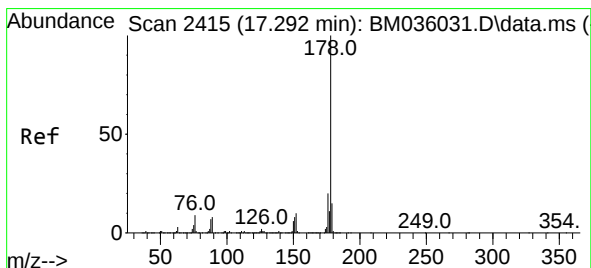
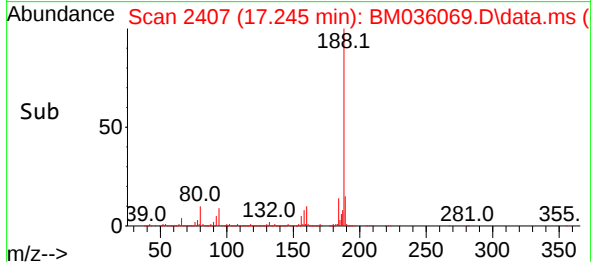
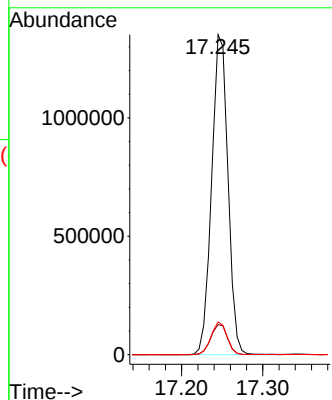
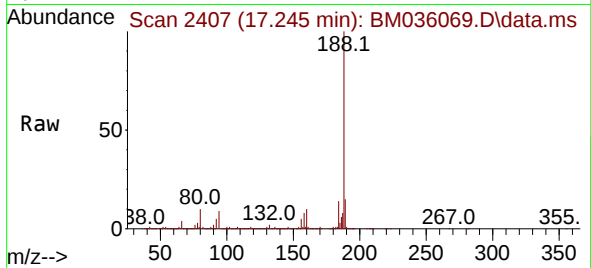




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

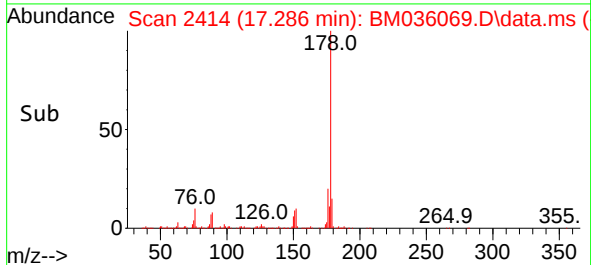
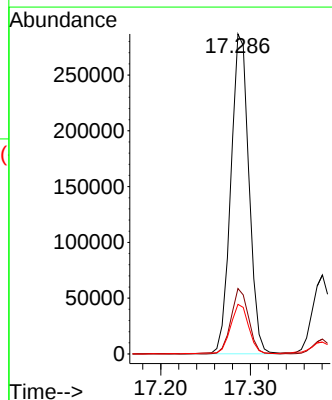
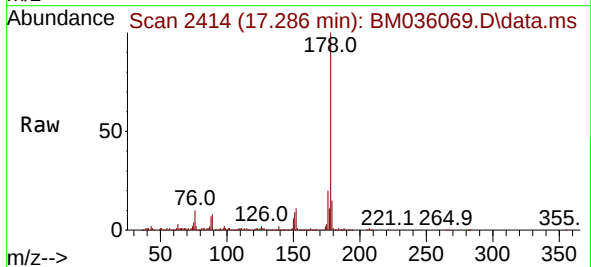
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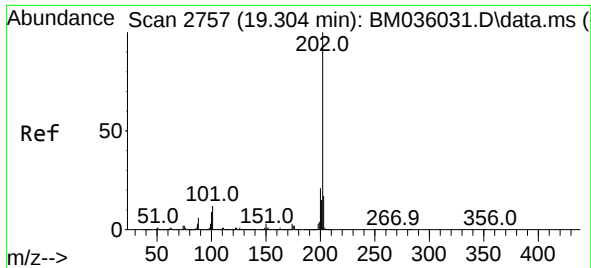
Tgt Ion:188 Resp: 1883083
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 10.2 7.6 11.4



#71
Phenanthrene
Concen: 4.169 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:178 Resp: 399940
Ion Ratio Lower Upper
178 100
176 20.4 15.4 23.0
179 15.5 12.4 18.6

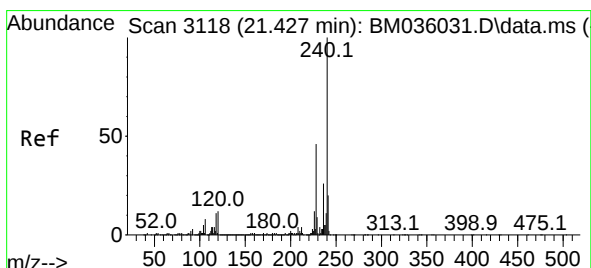
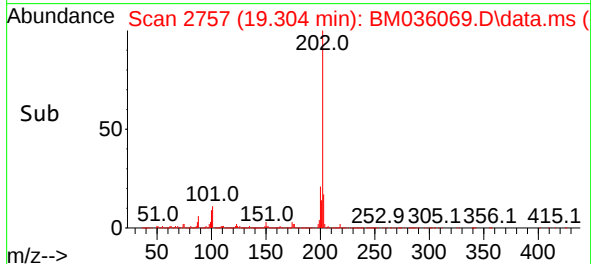
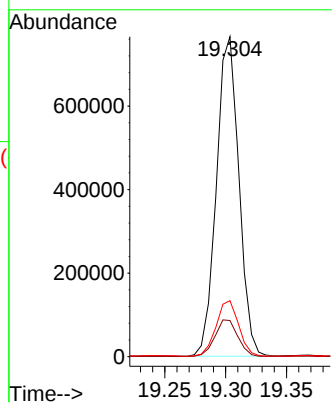
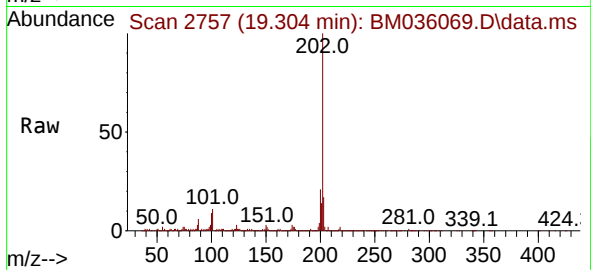




#75
Fluoranthene
Concen: 9.165 ng
RT: 19.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

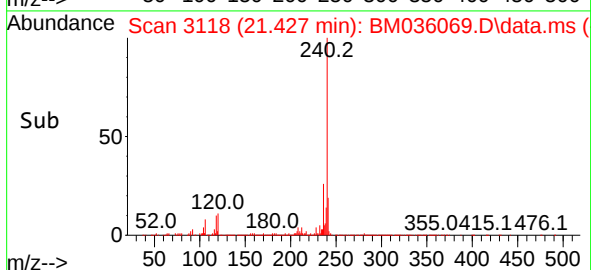
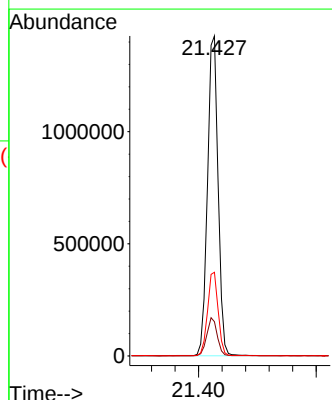
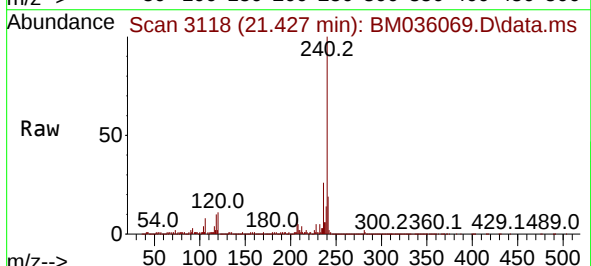
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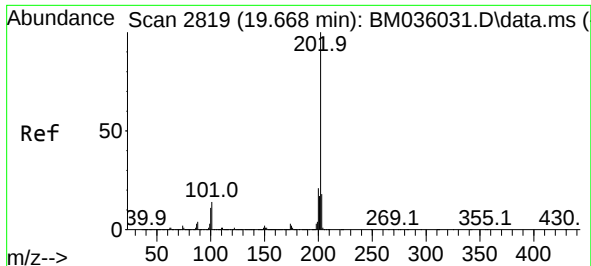
Tgt Ion:202 Resp: 984261
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.6
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:240 Resp: 1778934
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.0
236 26.1 20.6 30.8

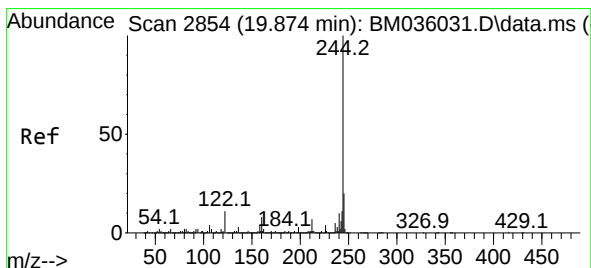
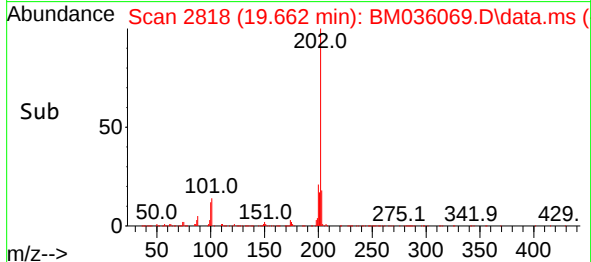
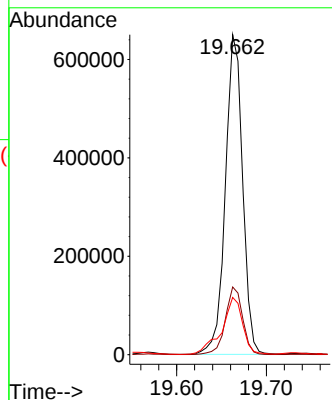
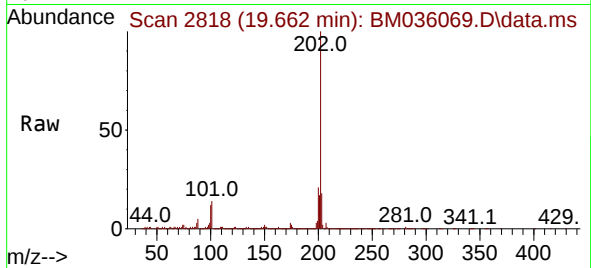




#78
 Pyrene
 Concen: 7.860 ng
 RT: 19.662 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM036069.D
 Acq: 03 Aug 2022 01:46

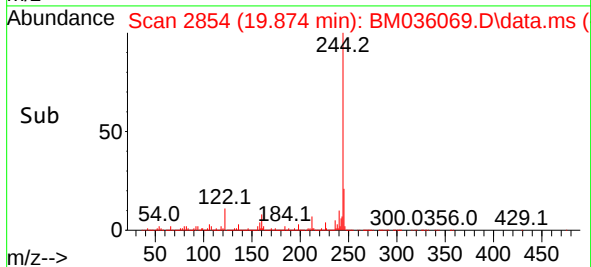
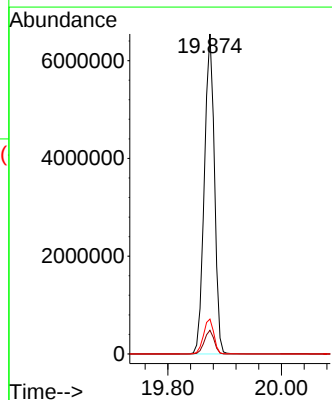
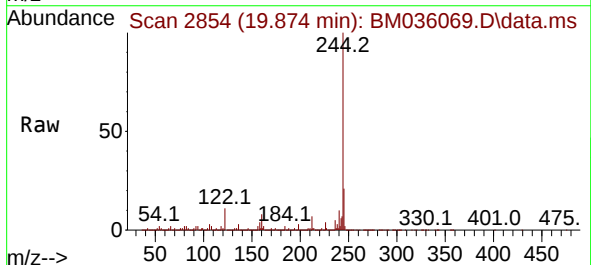
Instrument :
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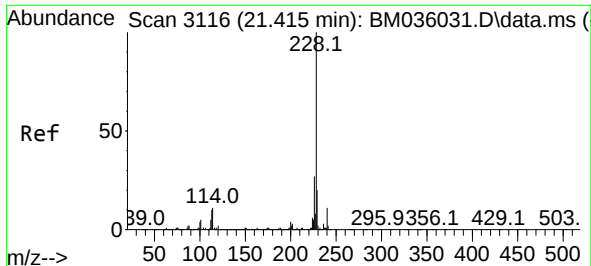
Tgt Ion:202 Resp: 867024
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.9 13.9 20.9



#79
 Terphenyl-d14
 Concen: 89.255 ng
 RT: 19.874 min Scan# 2854
 Delta R.T. 0.000 min
 Lab File: BM036069.D
 Acq: 03 Aug 2022 01:46

Tgt Ion:244 Resp: 8049885
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 10.9 8.3 12.5

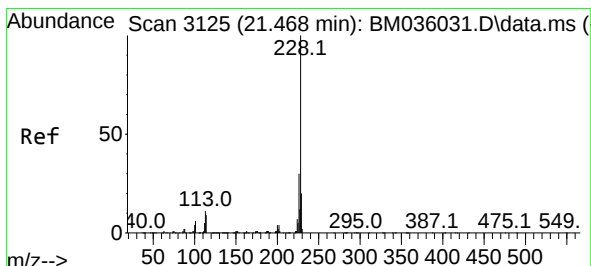
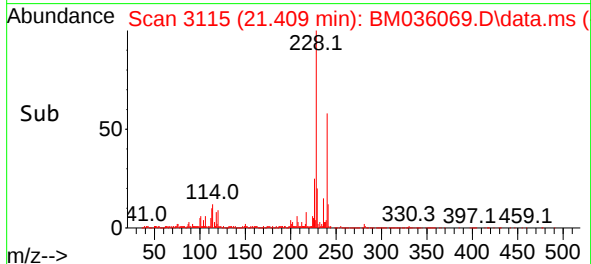
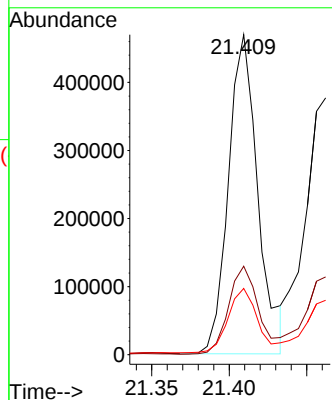
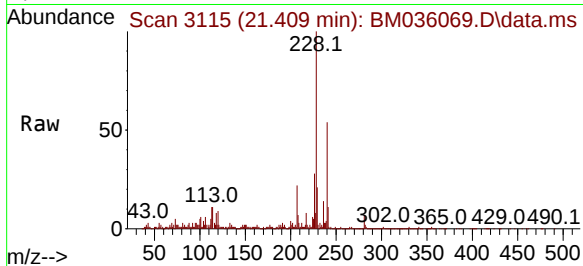




#81
Benzo(a)anthracene
Concen: 5.644 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

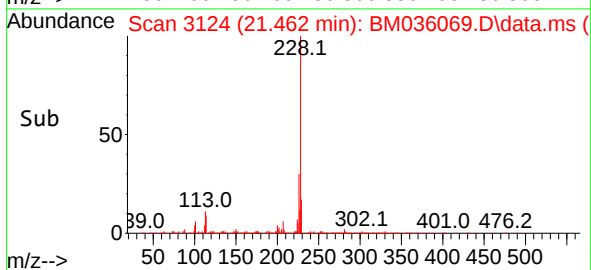
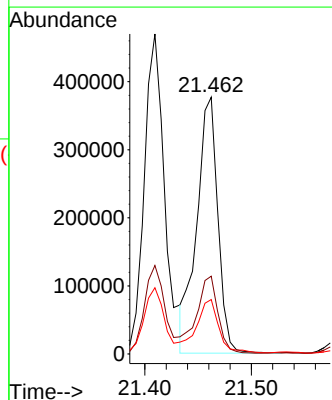
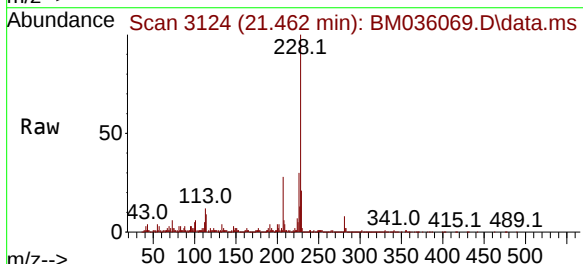
Instrument :
BNA_M
ClientSampleId :
RVE-64

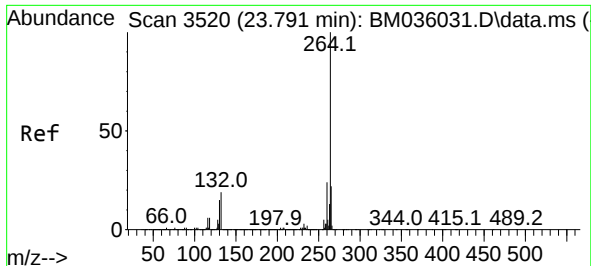
Tgt Ion:228 Resp: 618470
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 20.7 15.8 23.6



#83
Chrysene
Concen: 5.005 ng
RT: 21.462 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:228 Resp: 521298
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.2 15.8 23.8

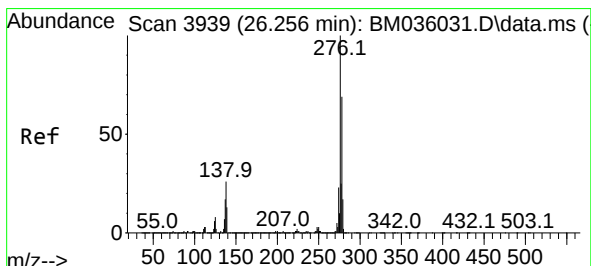
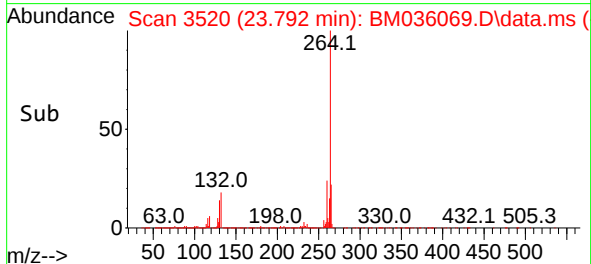
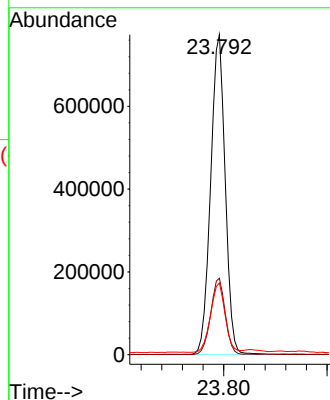
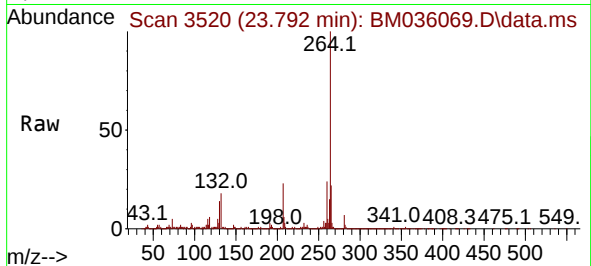




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.792 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

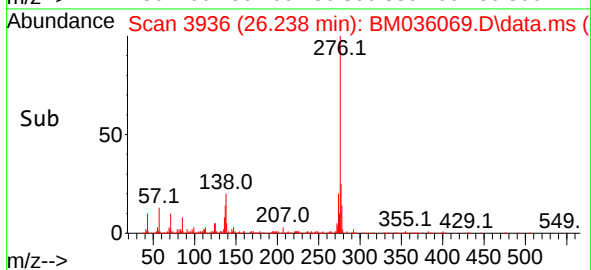
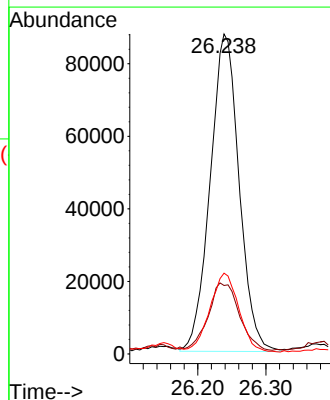
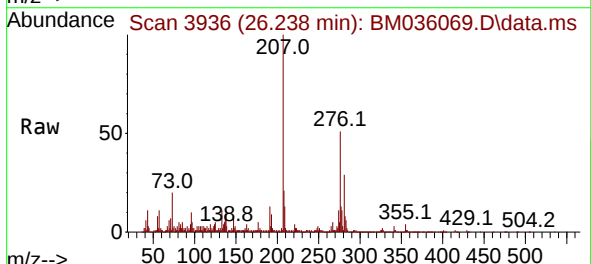
Instrument :
BNA_M
ClientSampleId :
RVE-64

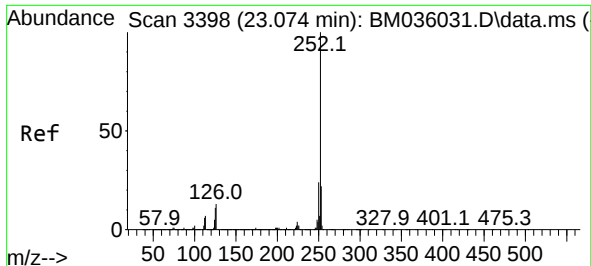
Tgt Ion:264 Resp: 1506799
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.4 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.441 ng
RT: 26.238 min Scan# 3936
Delta R.T. -0.018 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:276 Resp: 258503
Ion Ratio Lower Upper
276 100
138 22.9 20.2 30.4
277 24.9 20.2 30.2

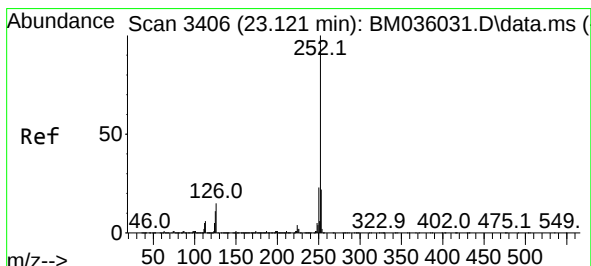
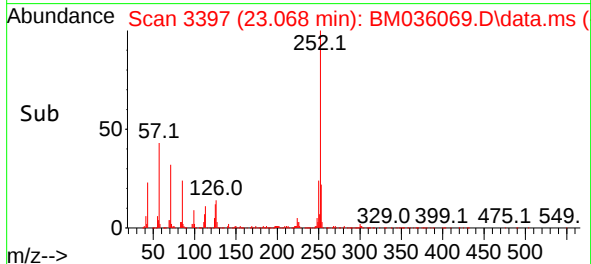
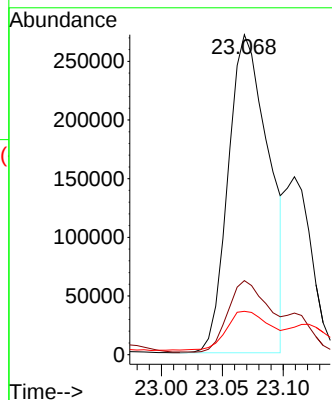
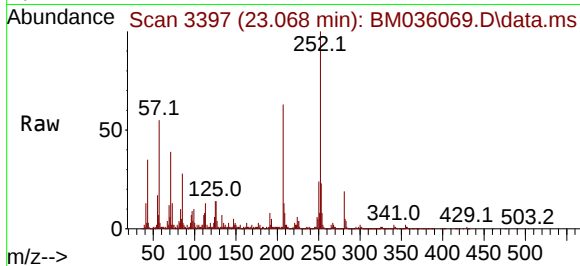




#88
Benzo(b)fluoranthene
Concen: 7.125 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

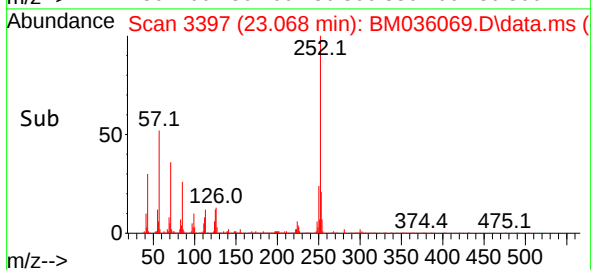
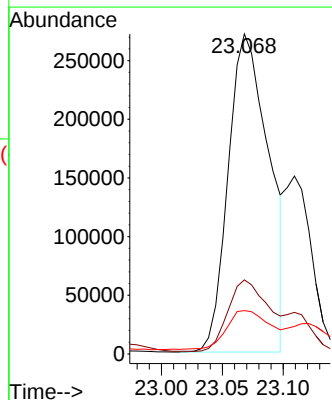
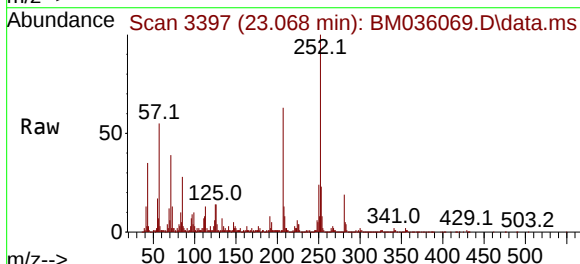
Instrument :
BNA_M
ClientSampleId :
RVE-64

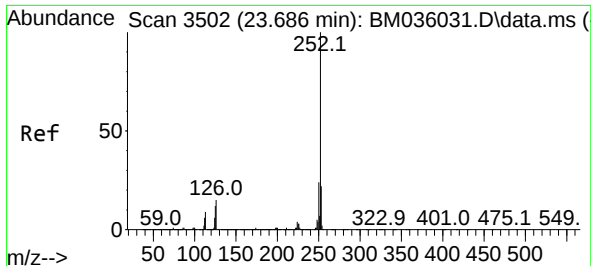
Tgt Ion:252 Resp: 628967
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.6 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 7.054 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.053 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:252 Resp: 628967
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 13.6 7.6 11.4#

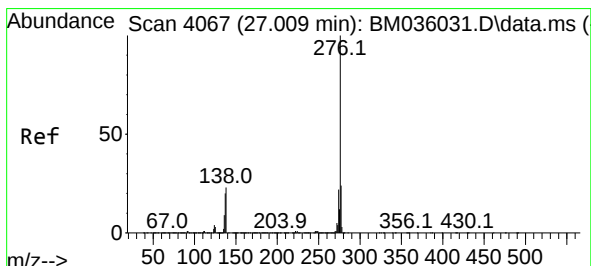
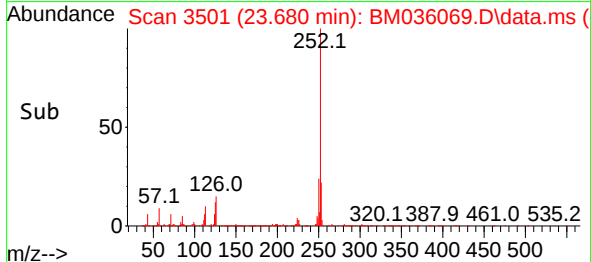
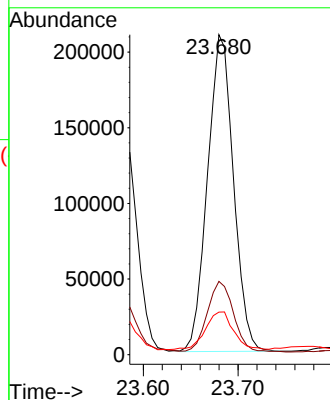
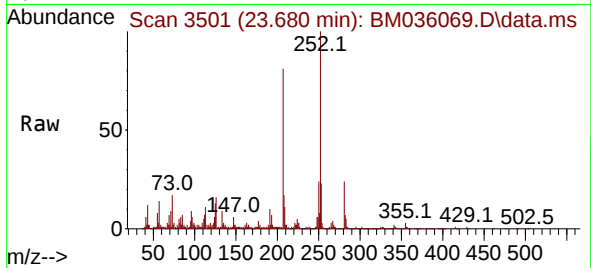




#90
Benzo(a)pyrene
Concen: 5.386 ng
RT: 23.680 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Instrument :
BNA_M
ClientSampleId :
RVE-64

Tgt Ion:252 Resp: 398941
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 13.3 8.7 13.1#



#92
Benzo(g,h,i)perylene
Concen: 2.797 ng
RT: 26.997 min Scan# 4065
Delta R.T. -0.012 min
Lab File: BM036069.D
Acq: 03 Aug 2022 01:46

Tgt Ion:276 Resp: 239983
Ion Ratio Lower Upper
276 100
277 22.9 18.7 28.1
138 23.9 17.6 26.4

