

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080422\
 Data File : BM036102.D
 Acq On : 04 Aug 2022 17:14
 Operator : CG/JU
 Sample : N3931-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-117

Quant Time: Aug 05 03:39:47 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)

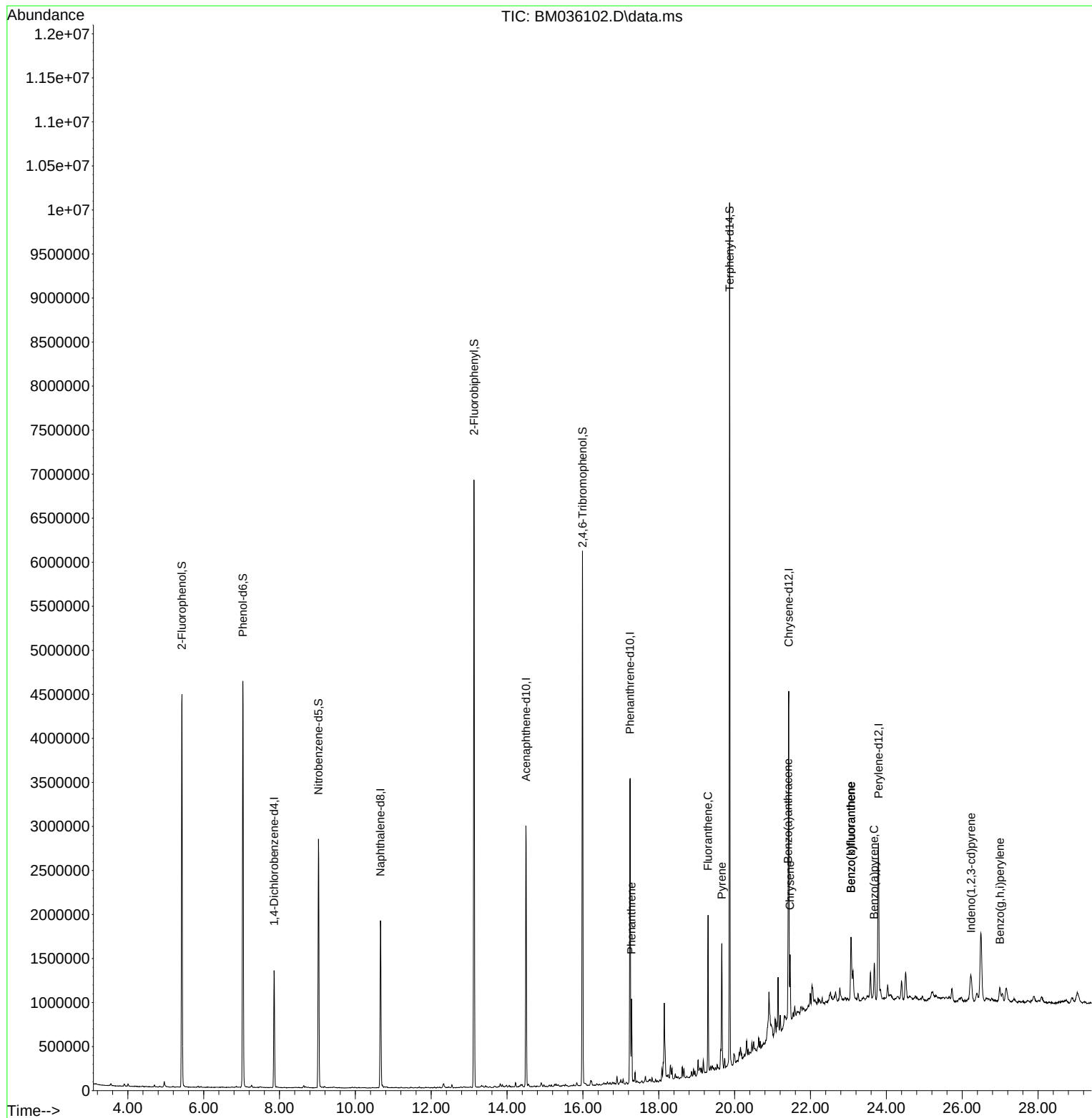
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	355387	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1593964	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	998611	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2073253	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1567240	20.000	ng	0.00
86) Perylene-d12	23.791	264	1316674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	2001946	91.328	ng	0.00
7) Phenol-d6	7.034	99	2650150	95.014	ng	0.00
23) Nitrobenzene-d5	9.028	82	1589988	55.837	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	1094383	93.417	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	3374613	49.895	ng	0.00
79) Terphenyl-d14	19.868	244	4368975	54.986	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.280	178	549030	5.198	ng	100
75) Fluoranthene	19.298	202	953849	8.067	ng	98
78) Pyrene	19.662	202	841291	8.657	ng	100
81) Benzo(a)anthracene	21.409	228	410801	4.256	ng	98
83) Chrysene	21.462	228	404023	4.403	ng	98
87) Indeno(1,2,3-cd)pyrene	26.238	276	200880	2.171	ng	99
88) Benzo(b)fluoranthene	23.068	252	470235	6.096	ng	# 94
89) Benzo(k)fluoranthene	23.068	252	470235	6.035	ng	# 94
90) Benzo(a)pyrene	23.680	252	279211	4.314	ng	# 93
92) Benzo(g,h,i)perylene	26.997	276	202623	2.702	ng	98

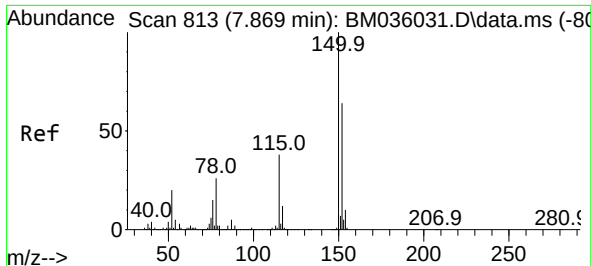
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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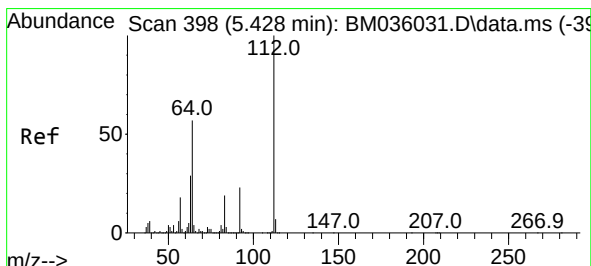
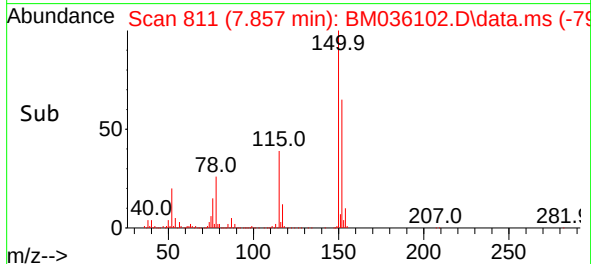
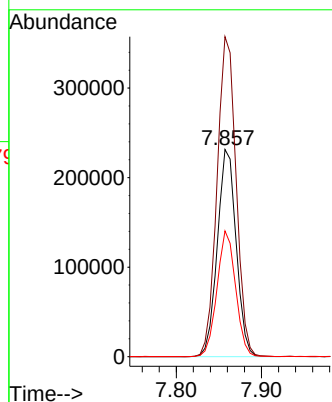
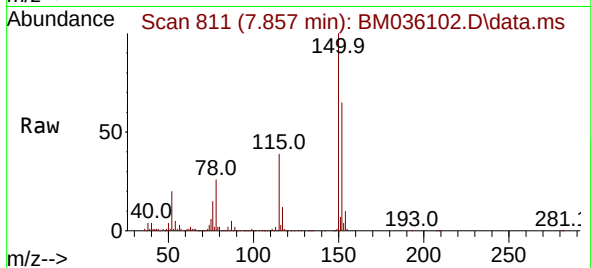




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

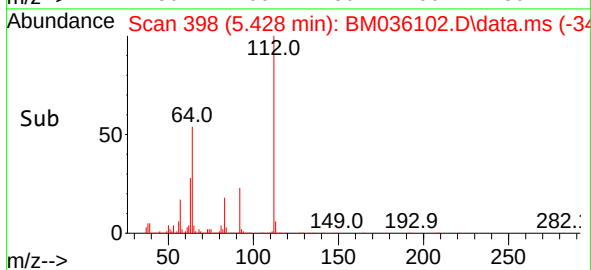
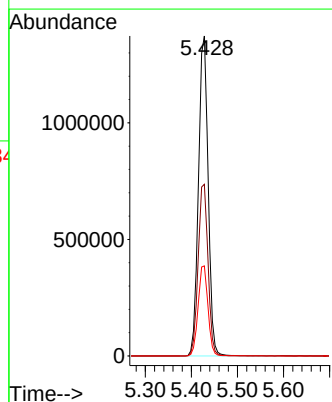
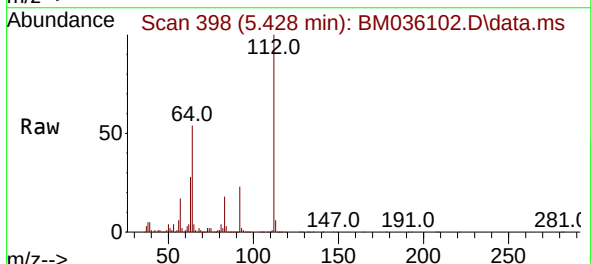
Instrument :
BNA_M
ClientSampleId :
RVE-117

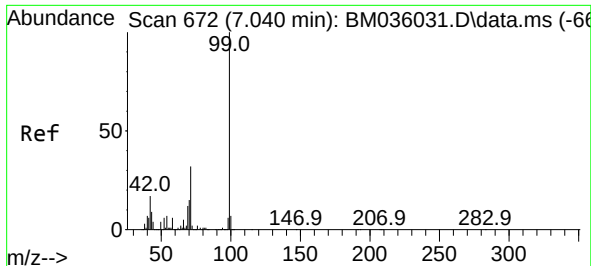
Tgt Ion:152 Resp: 355387
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 60.7 47.9 71.9



#5
2-Fluorophenol
Concen: 91.328 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:112 Resp: 2001946
Ion Ratio Lower Upper
112 100
64 53.6 47.8 71.6
63 28.2 26.6 40.0

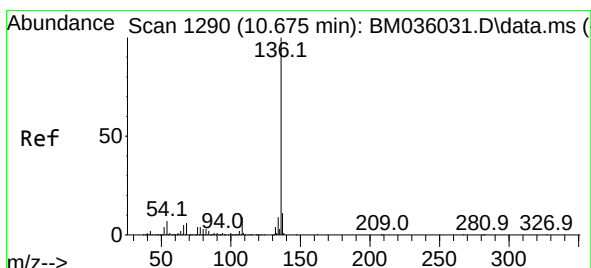
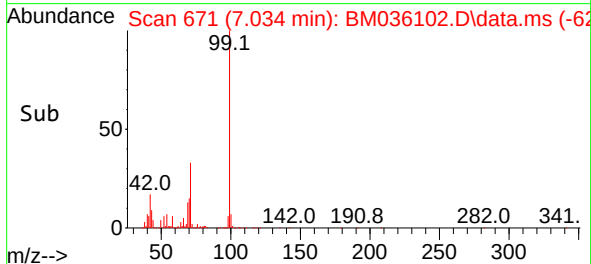
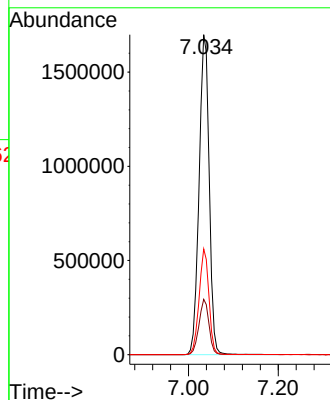
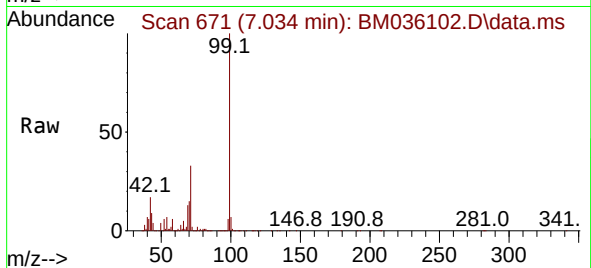




#7
Phenol-d6
Concen: 95.014 ng
RT: 7.034 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

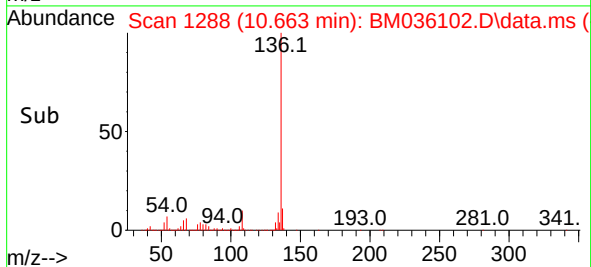
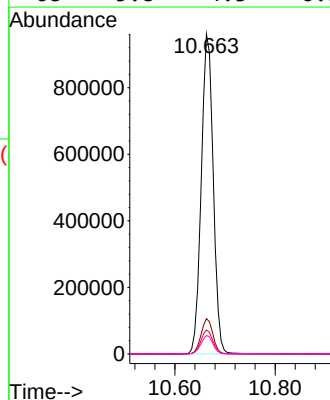
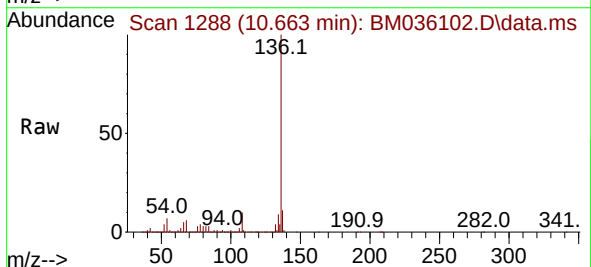
Instrument :
BNA_M
ClientSampleId :
RVE-117

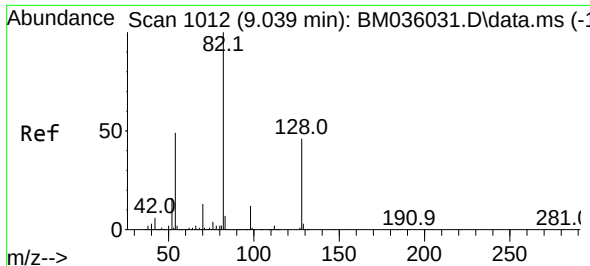
Tgt Ion: 99 Resp: 2650150
Ion Ratio Lower Upper
99 100
42 17.3 18.8 28.2#
71 33.1 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion: 136 Resp: 1593964
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 7.0 10.4
68 5.8 4.3 6.5

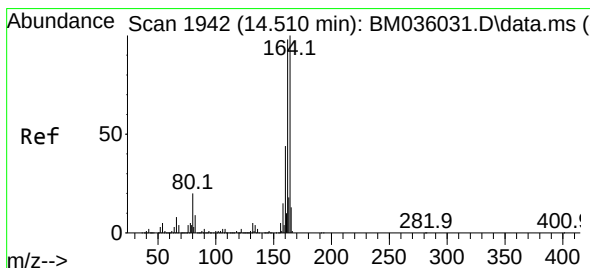
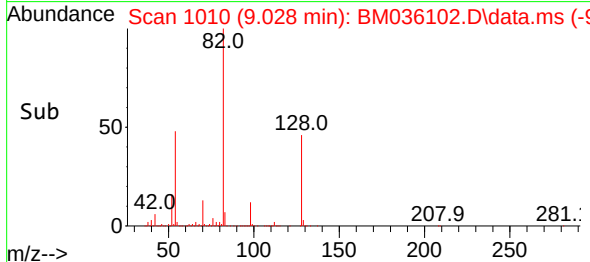
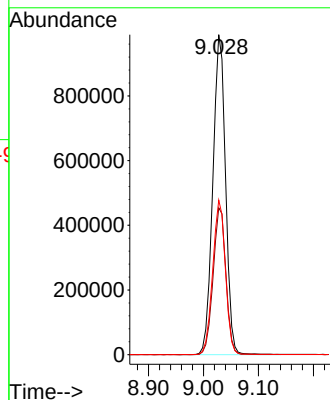
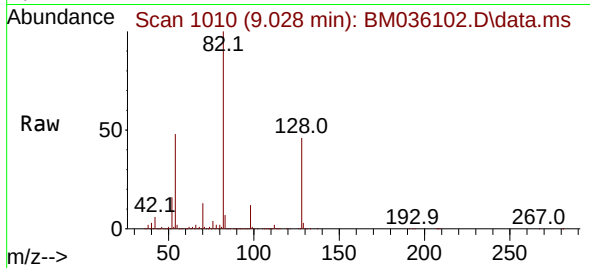




#23
Nitrobenzene-d5
Concen: 55.837 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

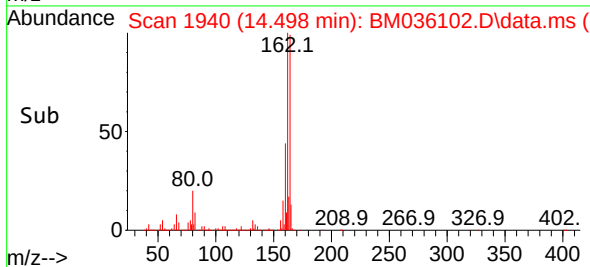
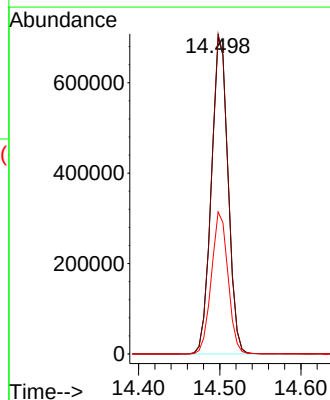
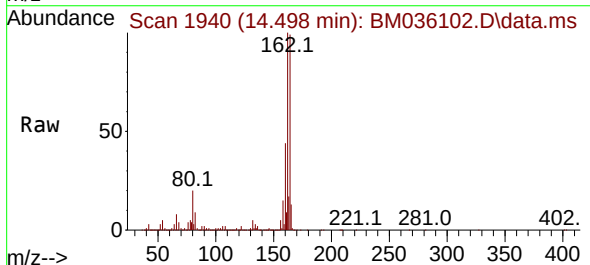
Instrument :
BNA_M
ClientSampleId :
RVE-117

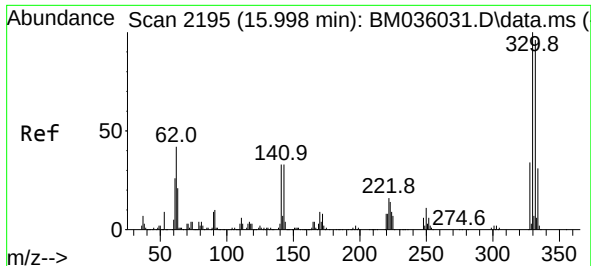
Tgt Ion: 82 Resp: 1589988
Ion Ratio Lower Upper
82 100
128 45.9 33.7 50.5
54 48.3 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:164 Resp: 998611
Ion Ratio Lower Upper
164 100
162 101.1 83.0 124.6
160 44.9 37.0 55.4

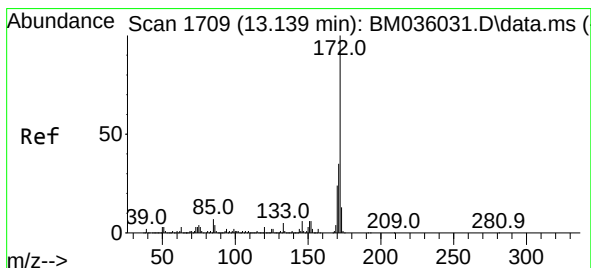
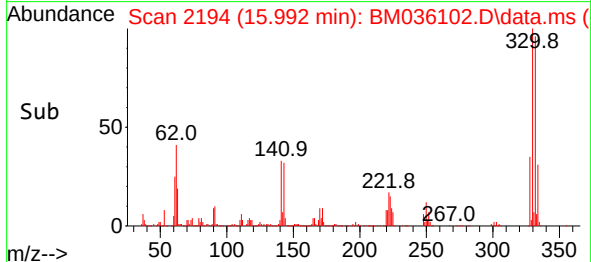
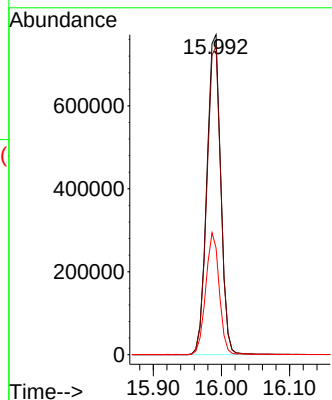
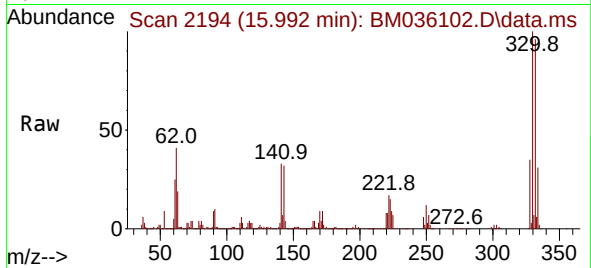




#42
2,4,6-Tribromophenol
Concen: 93.417 ng
RT: 15.992 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

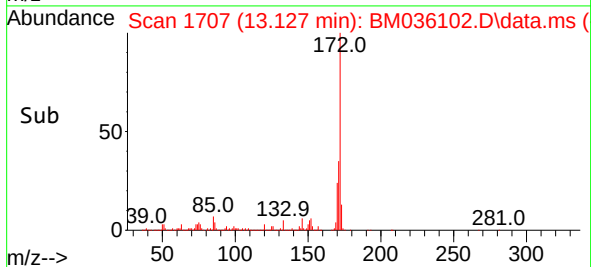
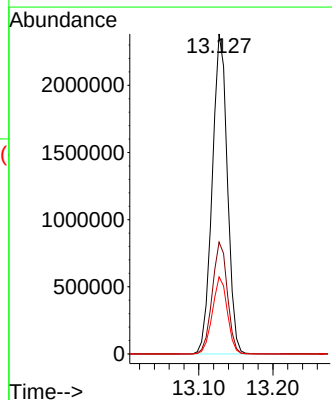
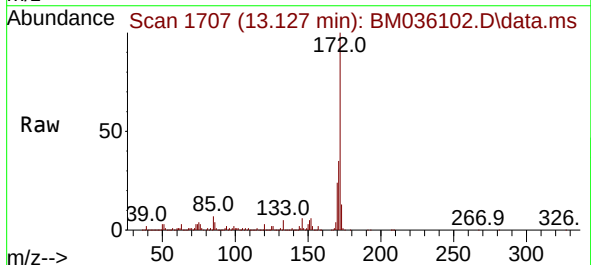
Instrument :
BNA_M
ClientSampleId :
RVE-117

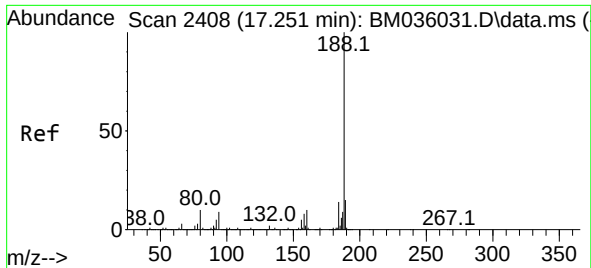
Tgt Ion:330 Resp: 1094383
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 36.7 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 49.895 ng
RT: 13.127 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:172 Resp: 3374613
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 24.1 18.7 28.1

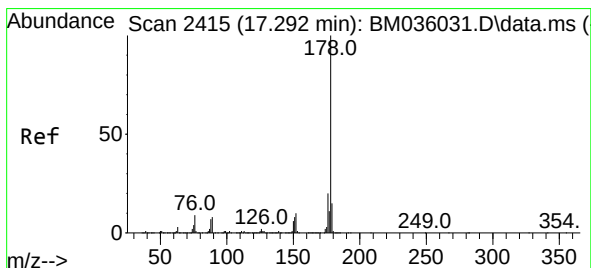
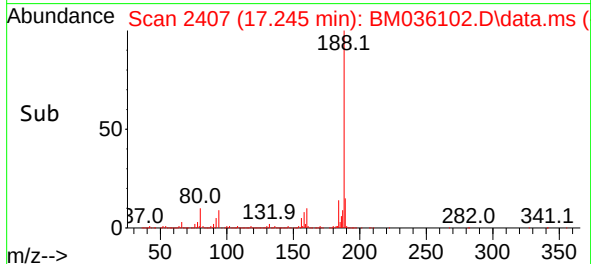
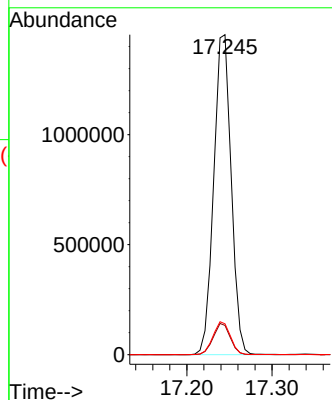
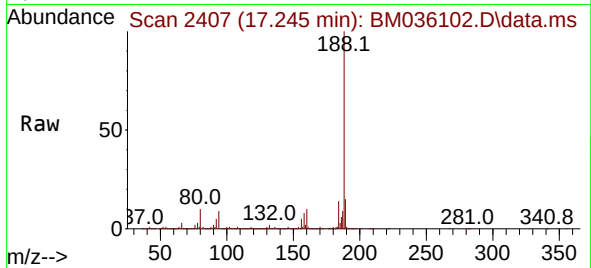




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

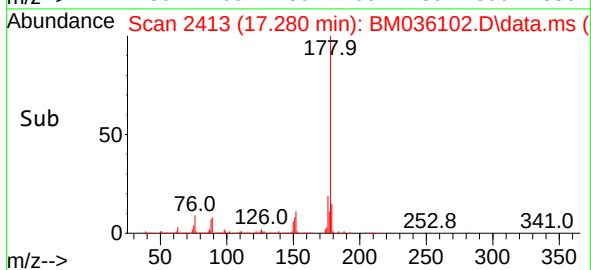
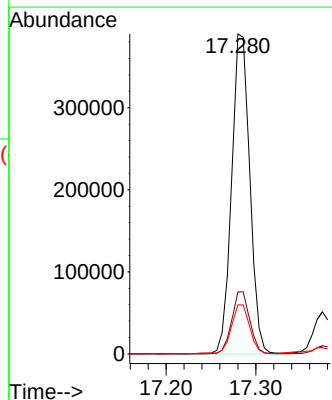
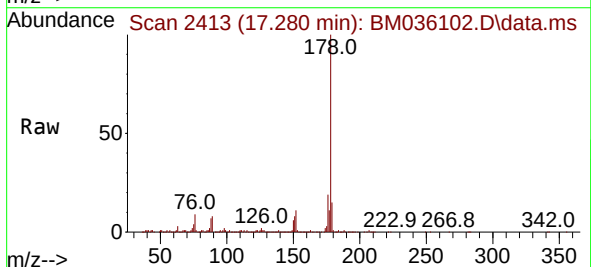
Instrument :
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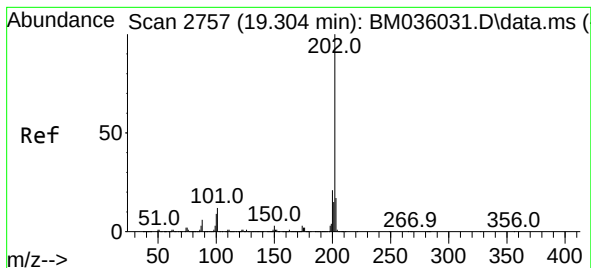
Tgt Ion:188 Resp: 2073253
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.4
80 9.7 7.6 11.4



#71
Phenanthrene
Concen: 5.198 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:178 Resp: 549030
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.3 12.4 18.6





#75

Fluoranthene

Concen: 8.067 ng

RT: 19.298 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM036102.D

Acq: 04 Aug 2022 17:14

Instrument :

BNA_M

ClientSampleId :

RVE-117

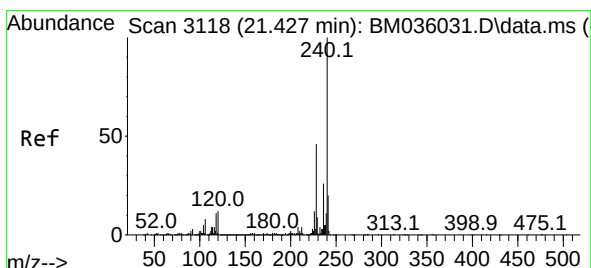
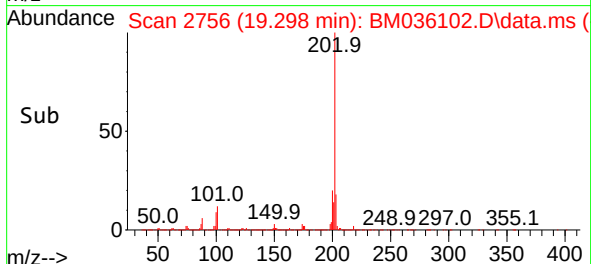
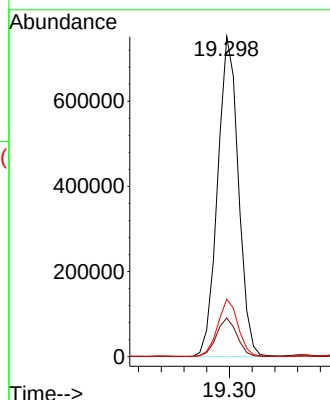
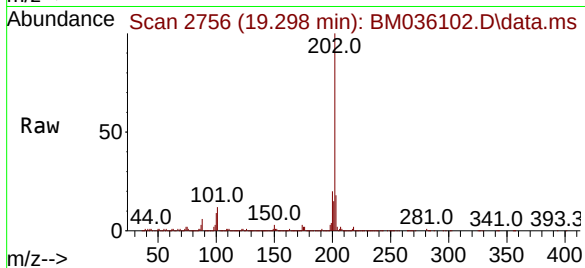
Tgt Ion:202 Resp: 953849

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.6

203 18.0 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.427 min Scan# 3118

Delta R.T. 0.006 min

Lab File: BM036102.D

Acq: 04 Aug 2022 17:14

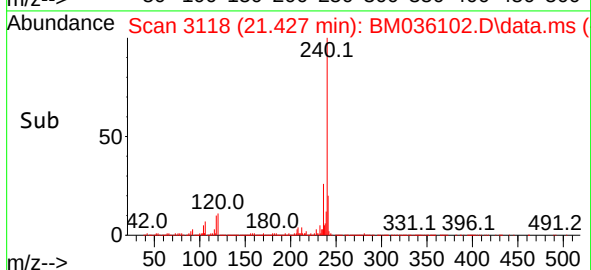
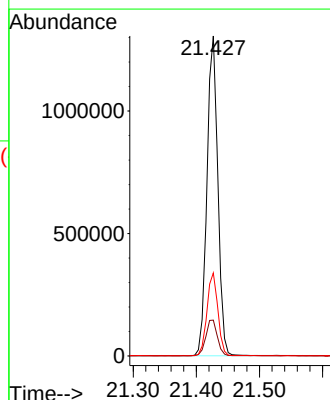
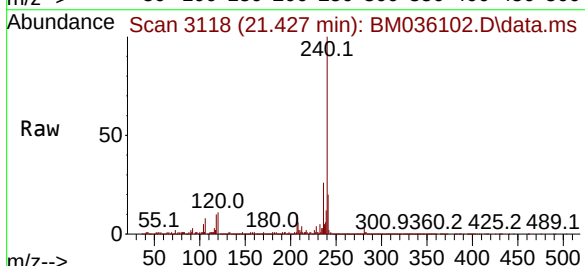
Tgt Ion:240 Resp: 1567240

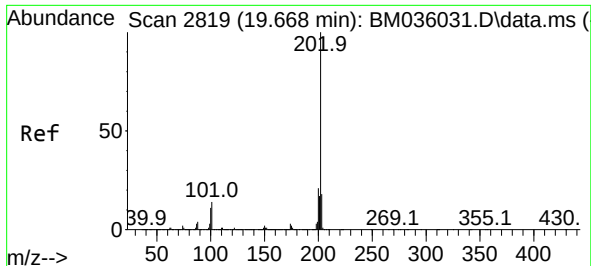
Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.0

236 26.0 20.6 30.8

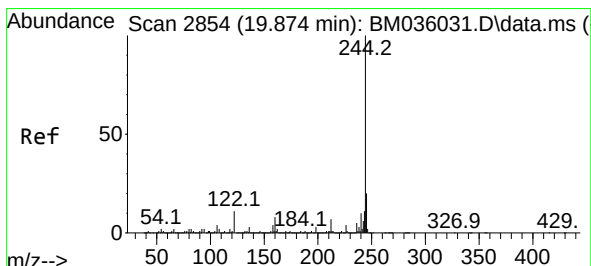
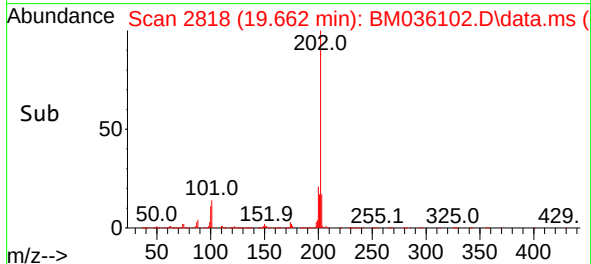
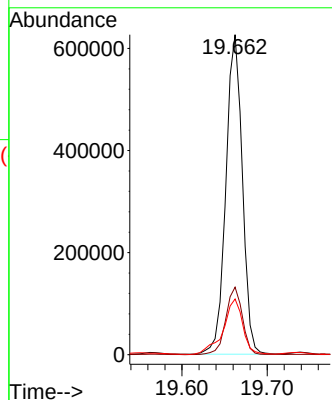
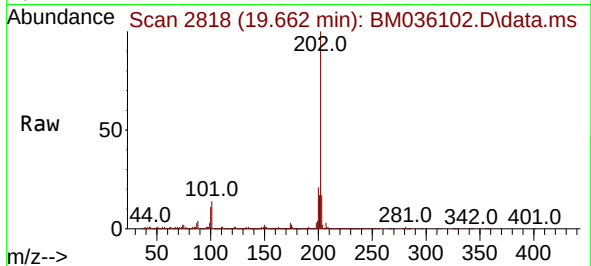




#78
 Pyrene
 Concen: 8.657 ng
 RT: 19.662 min Scan# 2818
 Delta R.T. 0.000 min
 Lab File: BM036102.D
 Acq: 04 Aug 2022 17:14

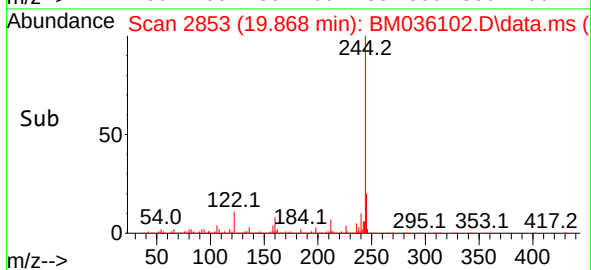
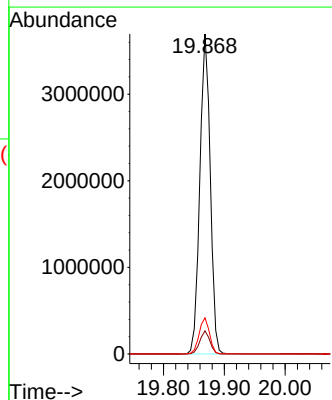
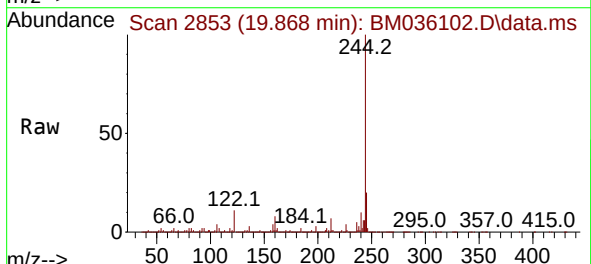
Instrument :
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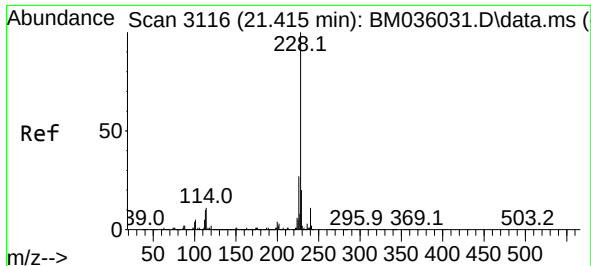
Tgt Ion:202 Resp: 841291
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.4 13.9 20.9



#79
 Terphenyl-d14
 Concen: 54.986 ng
 RT: 19.868 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: BM036102.D
 Acq: 04 Aug 2022 17:14

Tgt Ion:244 Resp: 4368975
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 11.3 8.3 12.5

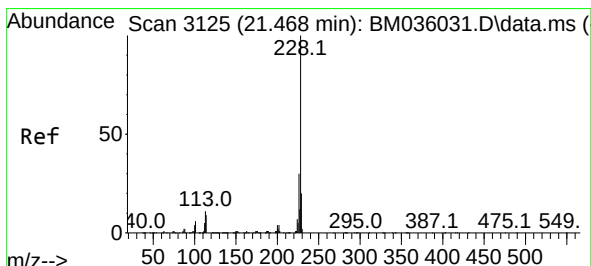
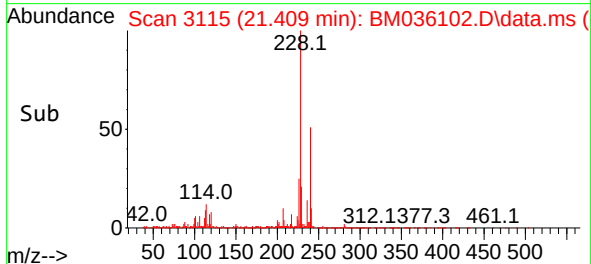
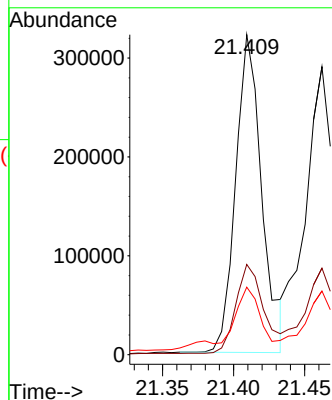
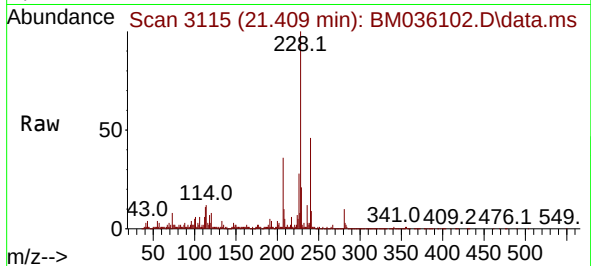




#81
Benzo(a)anthracene
Concen: 4.256 ng
RT: 21.409 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

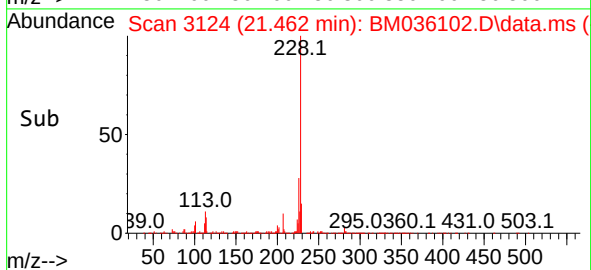
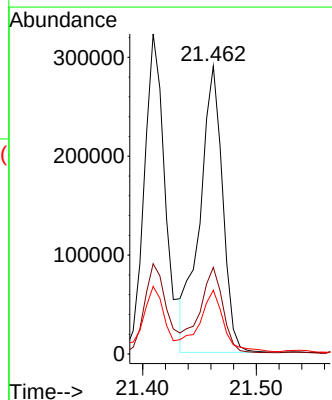
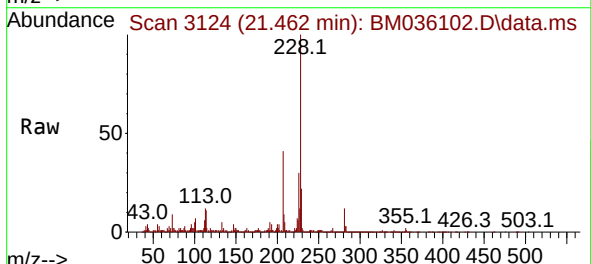
Instrument :
BNA_M
ClientSampleId :
RVE-117

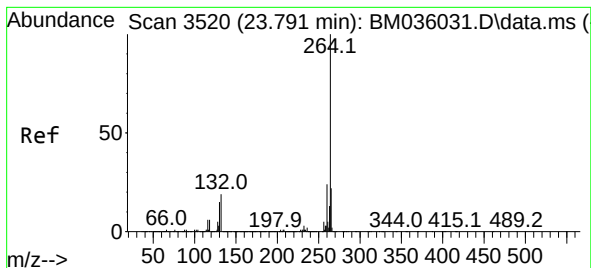
Tgt Ion:228 Resp: 410801
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 21.1 15.8 23.6



#83
Chrysene
Concen: 4.403 ng
RT: 21.462 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:228 Resp: 404023
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.791 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM036102.D

Acq: 04 Aug 2022 17:14

Instrument :

BNA_M

ClientSampleId :

RVE-117

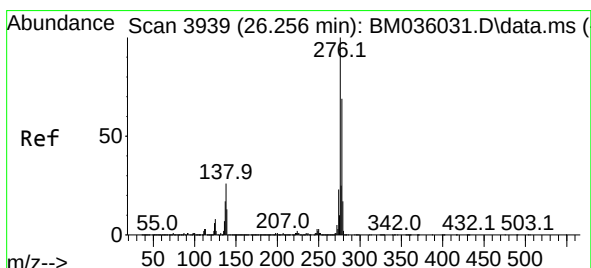
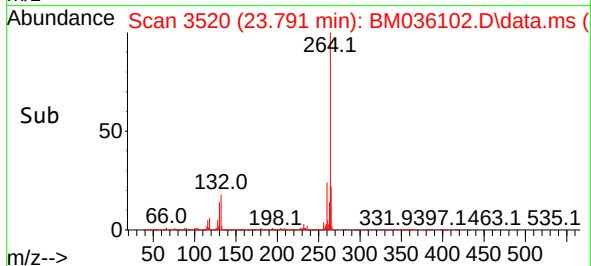
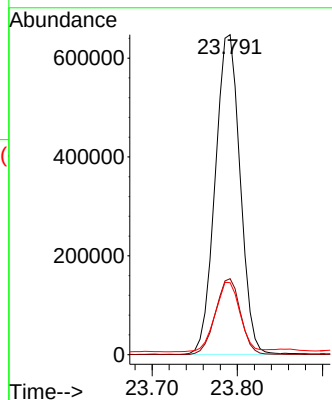
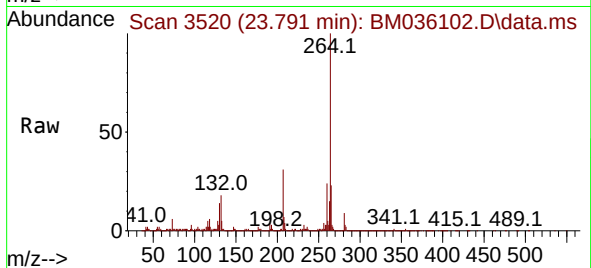
Tgt Ion:264 Resp: 1316674

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.171 ng

RT: 26.238 min Scan# 3936

Delta R.T. -0.006 min

Lab File: BM036102.D

Acq: 04 Aug 2022 17:14

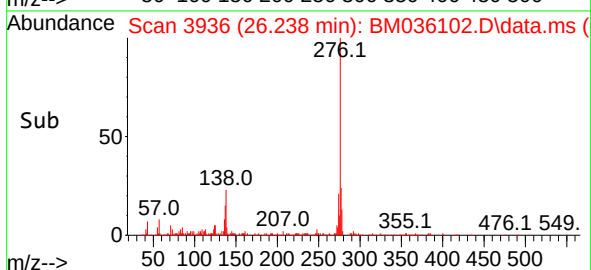
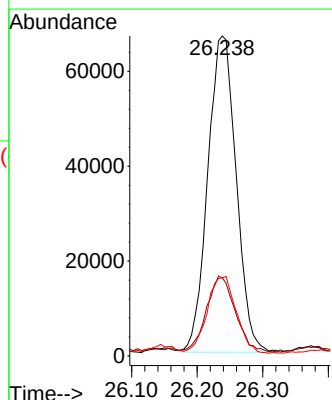
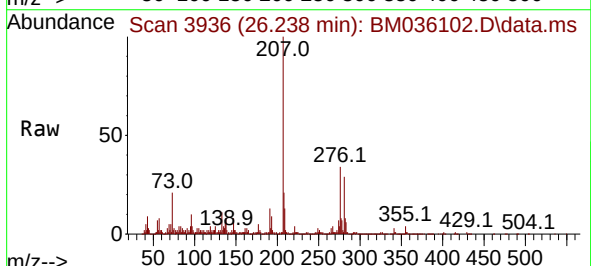
Tgt Ion:276 Resp: 200880

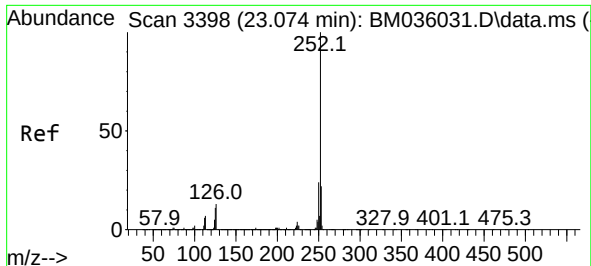
Ion Ratio Lower Upper

276 100

138 24.2 20.2 30.4

277 24.8 20.2 30.2

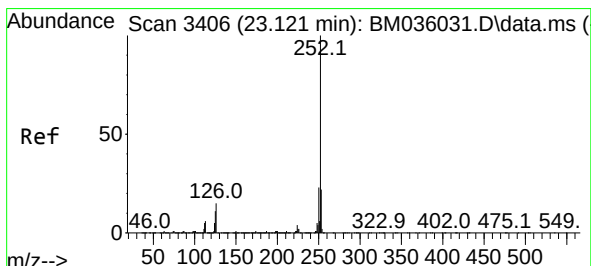
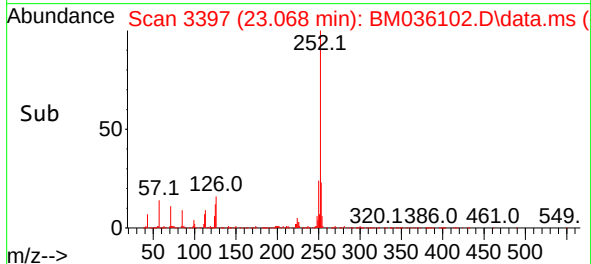
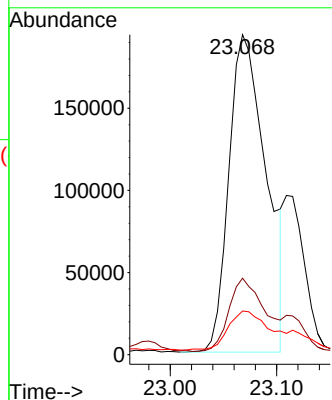
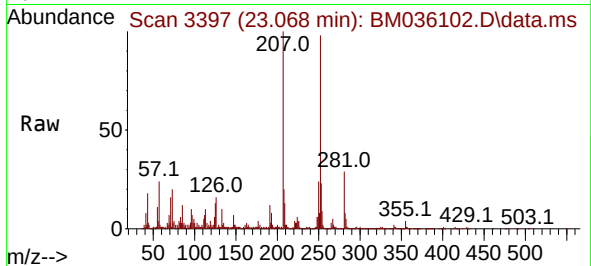




#88
Benzo(b)fluoranthene
Concen: 6.096 ng
RT: 23.068 min Scan# 3397
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

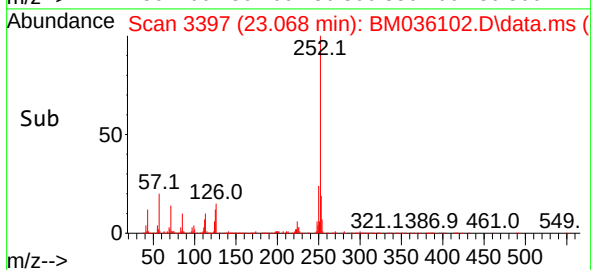
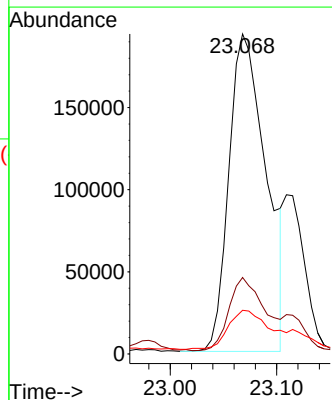
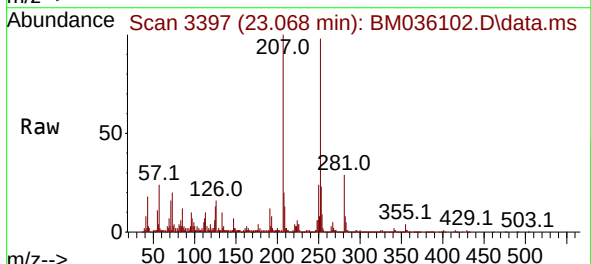
Instrument :
BNA_M
ClientSampleId :
RVE-117

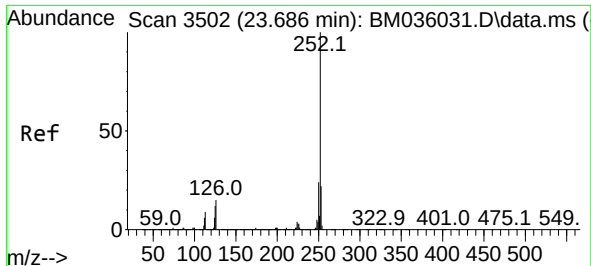
Tgt Ion:252 Resp: 470235
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 13.6 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 6.035 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.047 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:252 Resp: 470235
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.6 7.6 11.4#

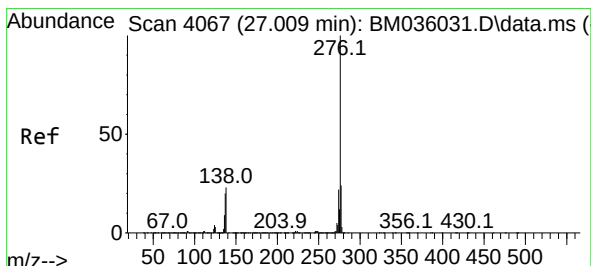
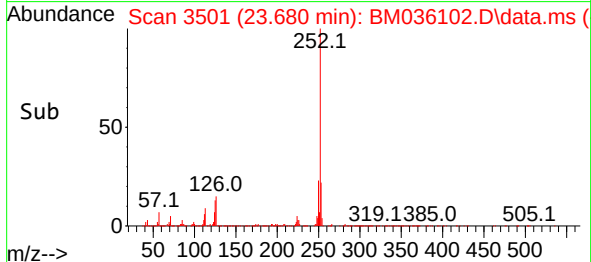
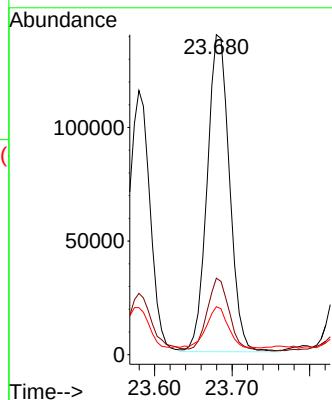
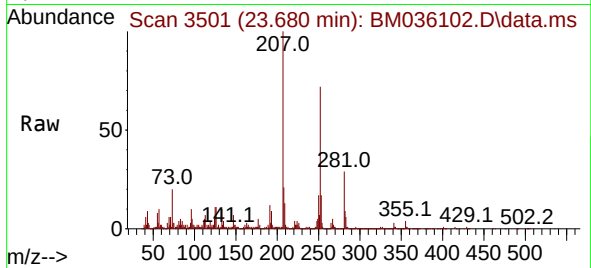




#90
Benzo(a)pyrene
Concen: 4.314 ng
RT: 23.680 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Instrument :
BNA_M
ClientSampleId :
RVE-117

Tgt Ion:252 Resp: 279211
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 15.0 8.7 13.1#



#92
Benzo(g,h,i)perylene
Concen: 2.702 ng
RT: 26.997 min Scan# 4065
Delta R.T. 0.000 min
Lab File: BM036102.D
Acq: 04 Aug 2022 17:14

Tgt Ion:276 Resp: 202623
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 23.7 17.6 26.4

