

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
 Data File : BM036165.D
 Acq On : 09 Aug 2022 03:59
 Operator : CG/JU
 Sample : N3963-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-212

Quant Time: Aug 09 04:33:54 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)

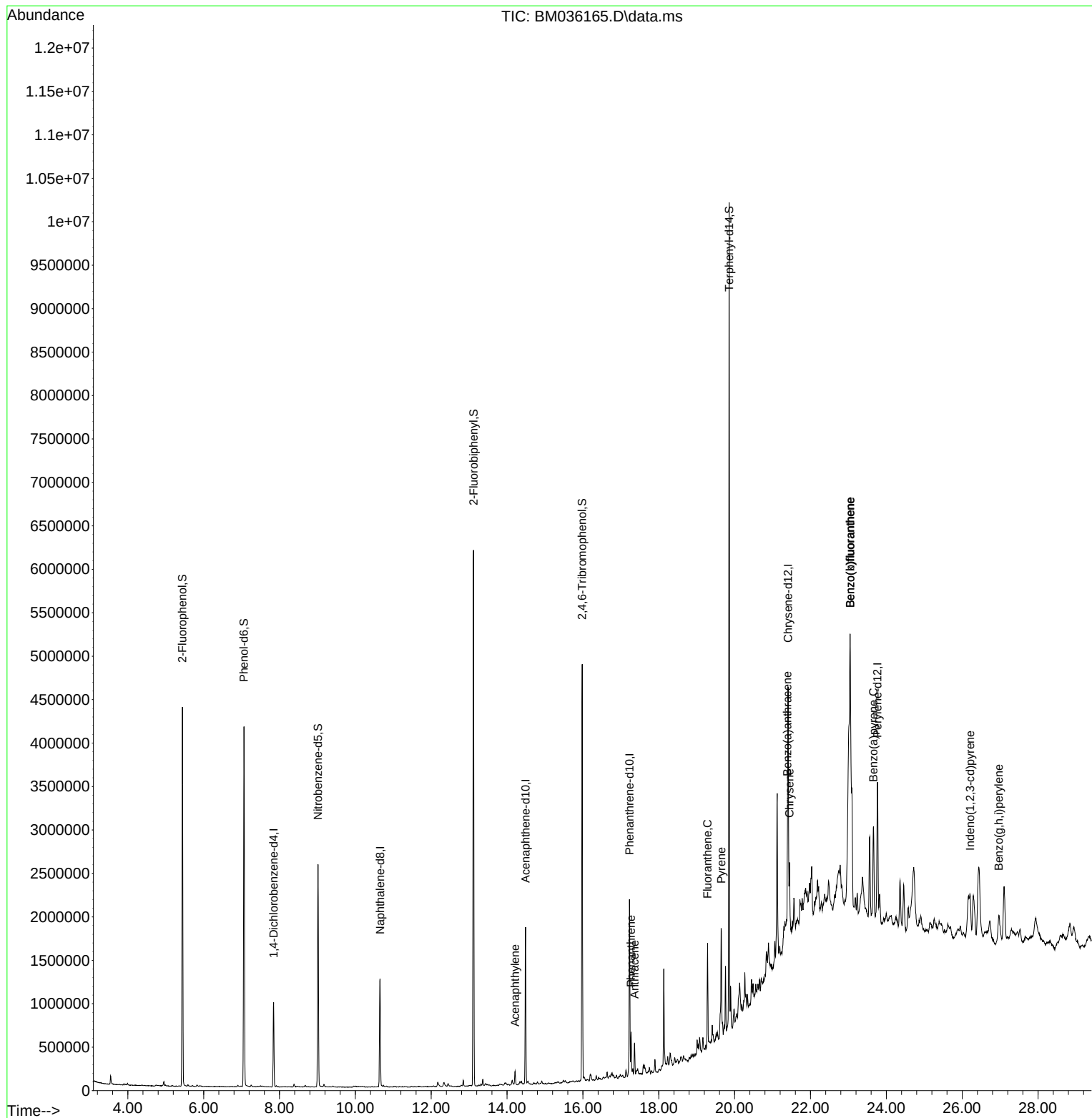
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	266740	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1069721	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	614720	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1193974	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1109117	20.000	ng	-0.01
86) Perylene-d12	23.768	264	1193937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1878221	114.159	ng	0.00
7) Phenol-d6	7.063	99	2346231	112.073	ng	0.00
23) Nitrobenzene-d5	9.016	82	1420839	74.350	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	879482	121.956	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	3148059	75.612	ng	0.00
79) Terphenyl-d14	19.856	244	4365986	77.644	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.210	152	119227	2.250	ng	98
71) Phenanthrene	17.268	178	130169	2.140	ng	98
72) Anthracene	17.362	178	208199	3.535	ng	98
75) Fluoranthene	19.286	202	661885	9.721	ng	98
78) Pyrene	19.645	202	766822	11.150	ng	99
81) Benzo(a)anthracene	21.392	228	582340	8.524	ng	98
83) Chrysene	21.445	228	578439	8.907	ng	96
87) Indeno(1,2,3-cd)pyrene	26.209	276	471602	5.621	ng	95
88) Benzo(b)fluoranthene	23.050	252	1341032	19.171	ng	# 96
89) Benzo(k)fluoranthene	23.050	252	1341032	18.981	ng	# 96
90) Benzo(a)pyrene	23.662	252	715396	12.189	ng	# 94
92) Benzo(g,h,i)perylene	26.968	276	427005	6.280	ng	98

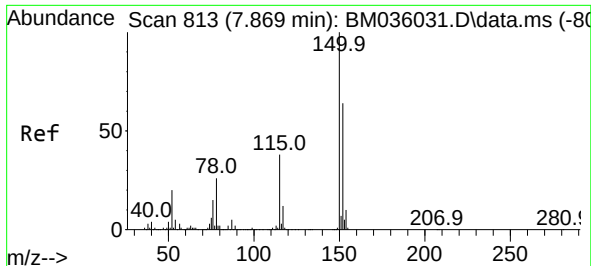
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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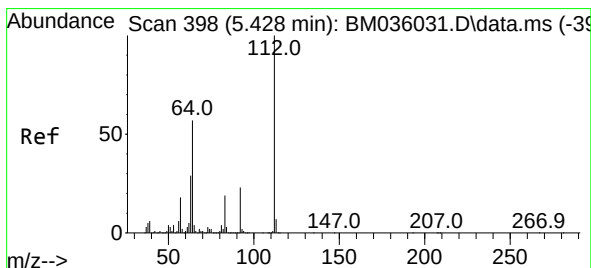
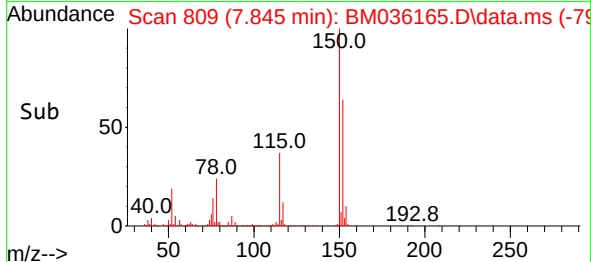
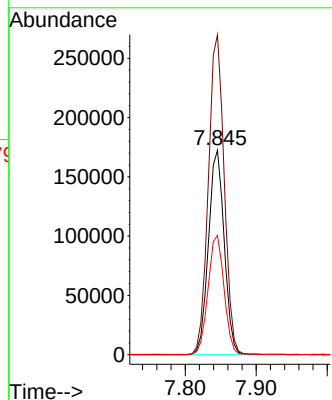
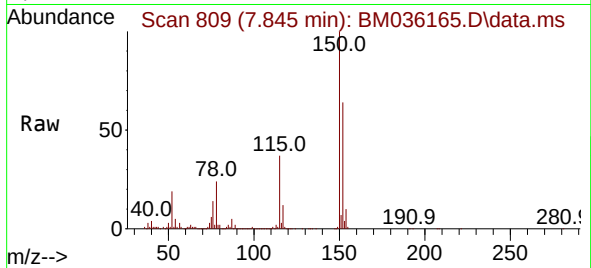




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

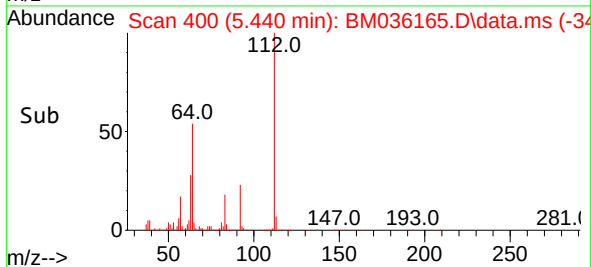
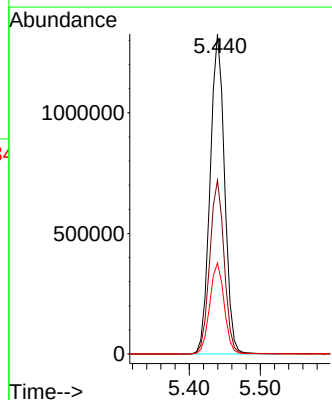
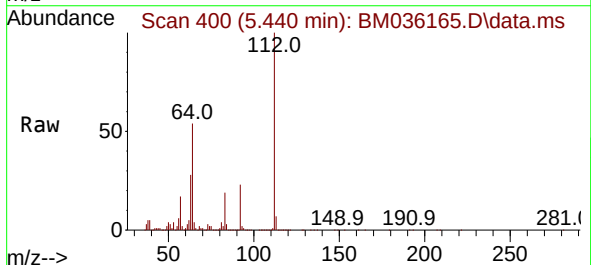
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BNA_M
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RVE-212

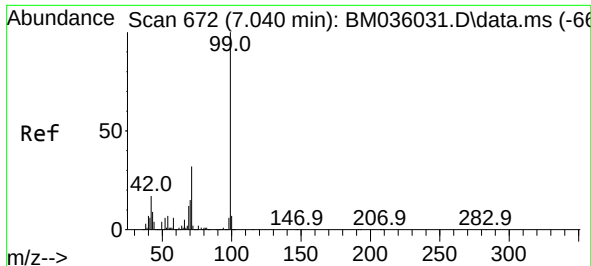
Tgt Ion:152 Resp: 266740
Ion Ratio Lower Upper
152 100
150 156.5 124.9 187.3
115 58.4 47.9 71.9



#5
2-Fluorophenol
Concen: 114.159 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:112 Resp: 1878221
Ion Ratio Lower Upper
112 100
64 54.3 47.8 71.6
63 28.4 26.6 40.0

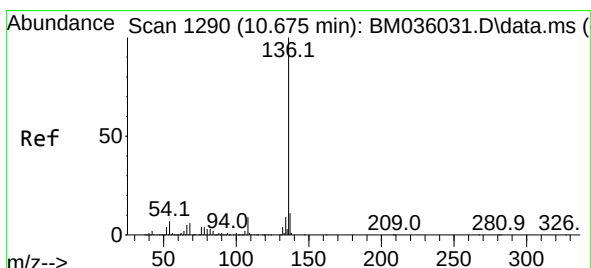
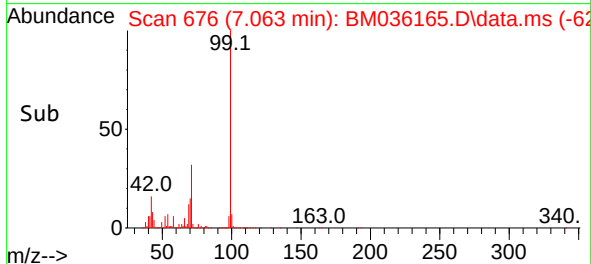
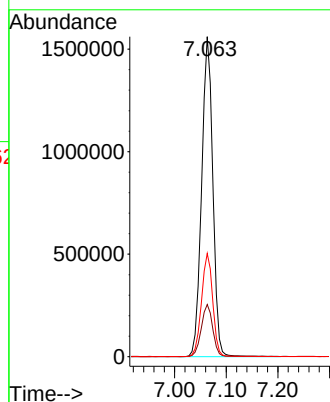
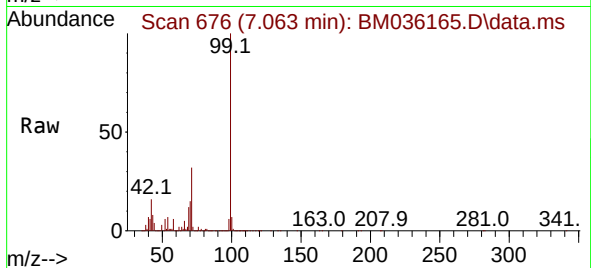




#7
Phenol-d6
Concen: 112.073 ng
RT: 7.063 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

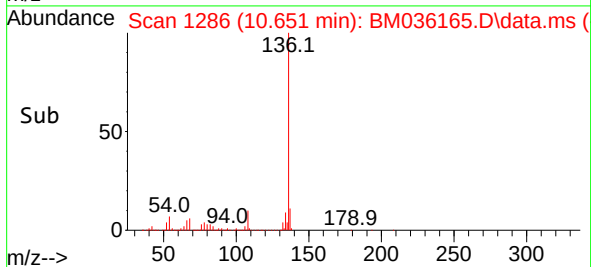
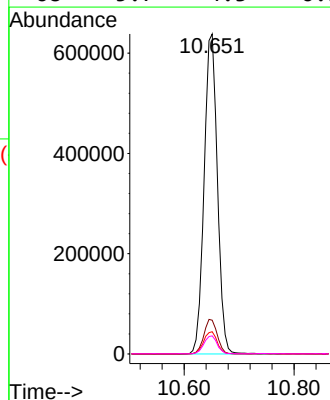
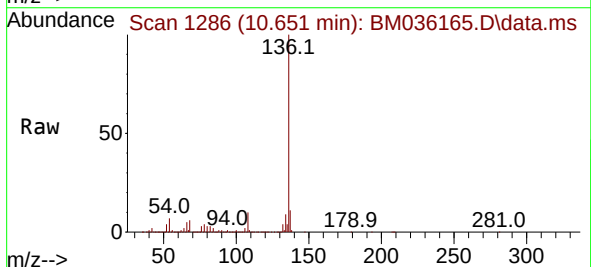
Instrument :
BNA_M
ClientSampleId :
RVE-212

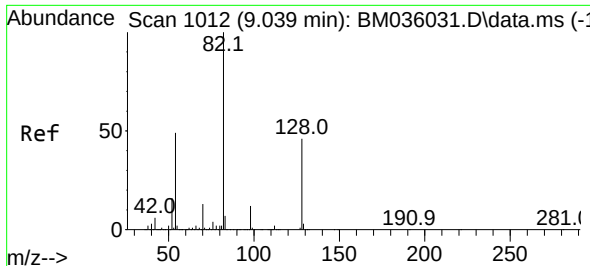
Tgt Ion: 99 Resp: 2346231
Ion Ratio Lower Upper
99 100
42 16.3 18.8 28.2#
71 32.3 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:136 Resp: 1069721
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.0 7.0 10.4
68 5.7 4.3 6.5

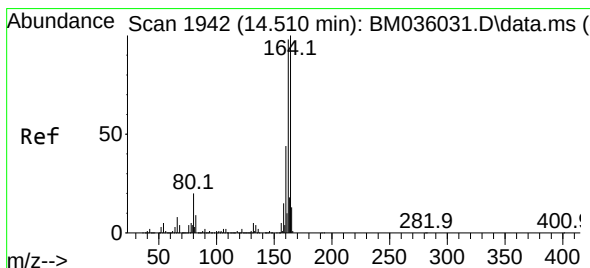
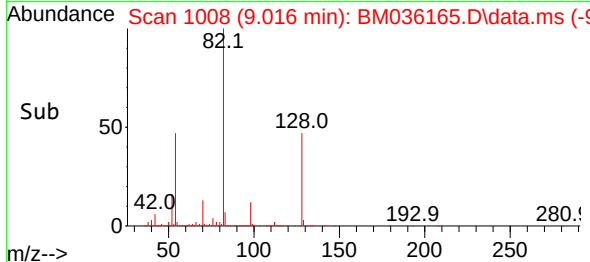
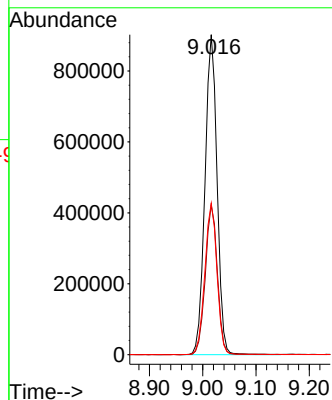
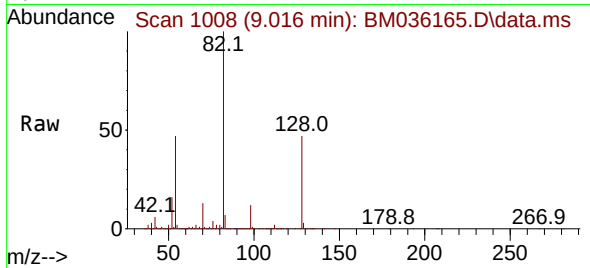




#23
Nitrobenzene-d5
Concen: 74.350 ng
RT: 9.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

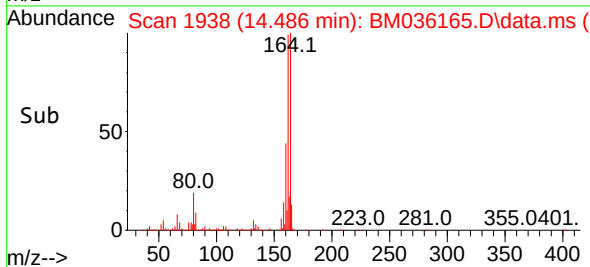
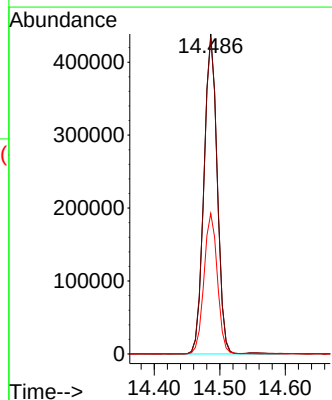
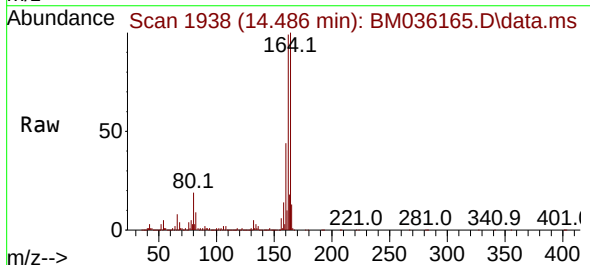
Instrument :
BNA_M
ClientSampleId :
RVE-212

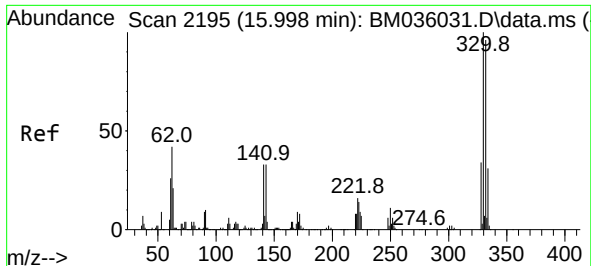
Tgt Ion: 82 Resp: 1420839
Ion Ratio Lower Upper
82 100
128 46.8 33.7 50.5
54 47.3 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:164 Resp: 614720
Ion Ratio Lower Upper
164 100
162 98.9 83.0 124.6
160 43.9 37.0 55.4

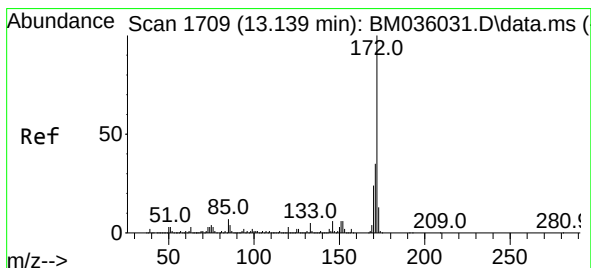
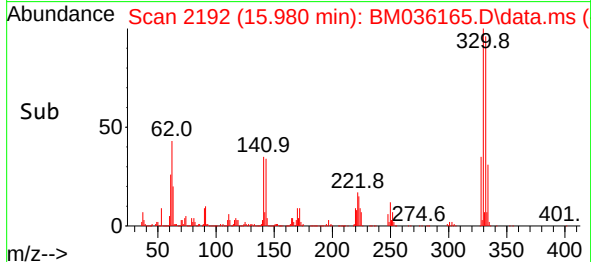
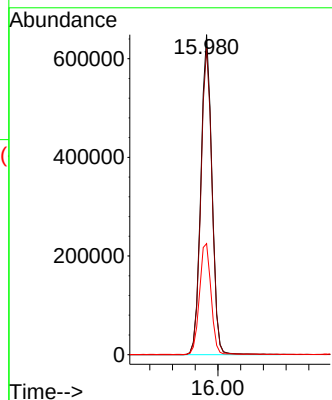
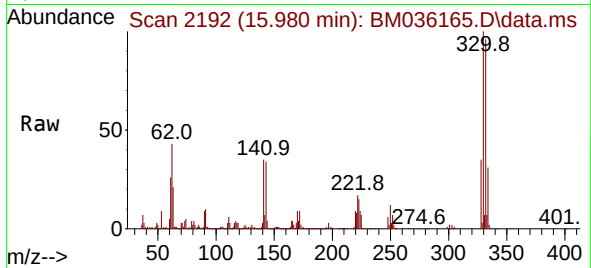




#42
2,4,6-Tribromophenol
Concen: 121.956 ng
RT: 15.980 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

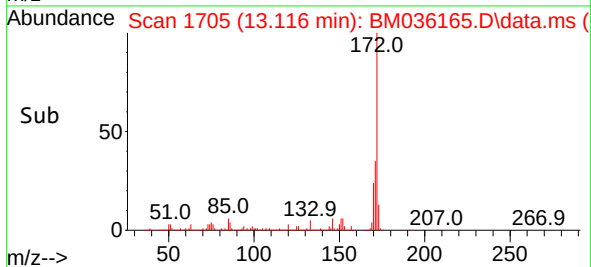
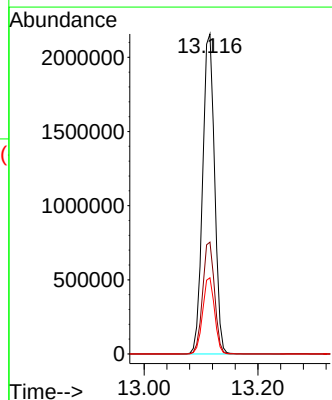
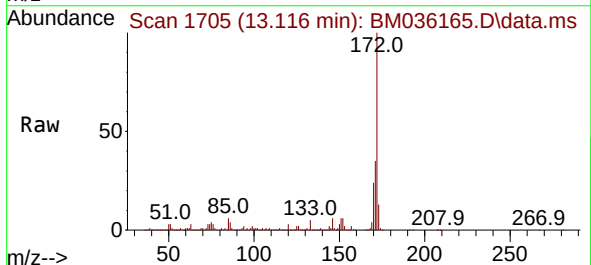
Instrument :
BNA_M
ClientSampleId :
RVE-212

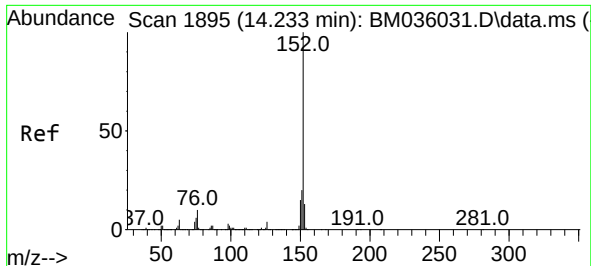
Tgt Ion:330 Resp: 879482
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 36.2 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 75.612 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:172 Resp: 3148059
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.8 18.7 28.1

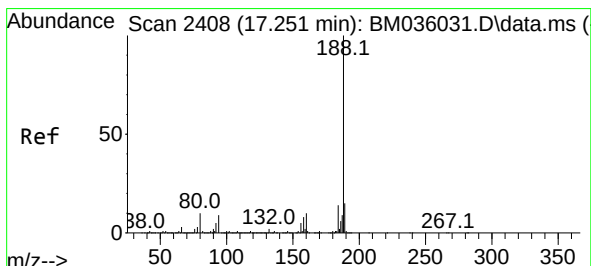
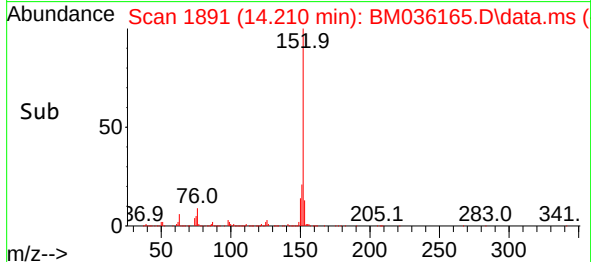
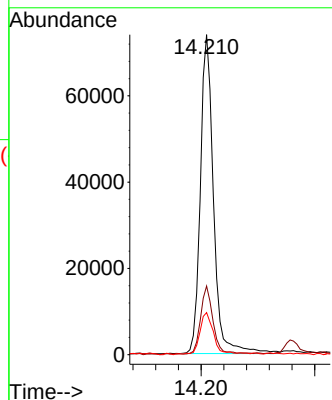
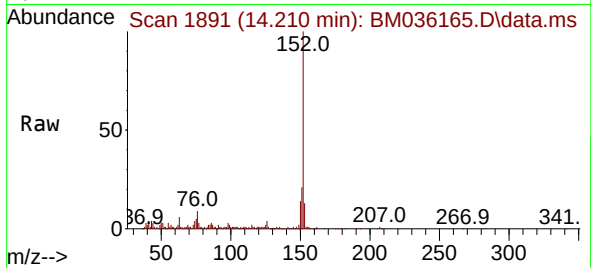




#49
Acenaphthylene
Concen: 2.250 ng
RT: 14.210 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

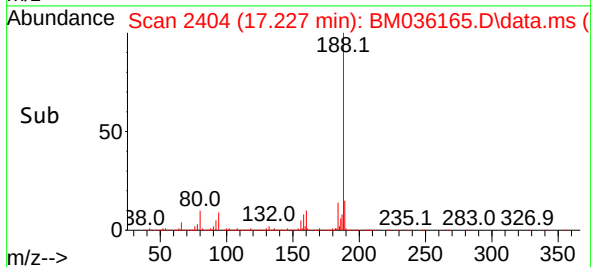
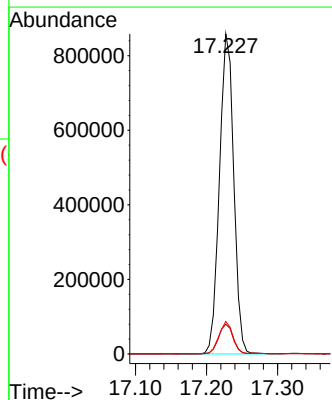
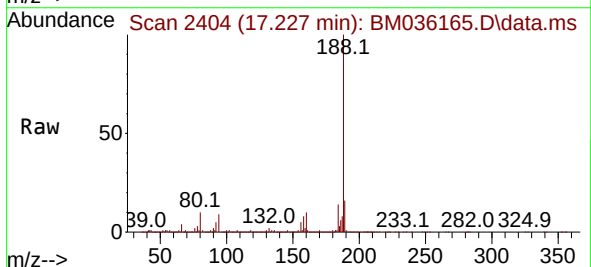
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RVE-212

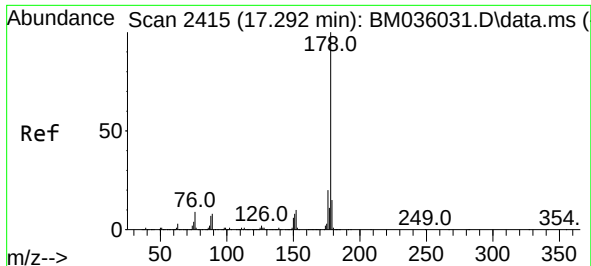
Tgt Ion:152 Resp: 119227
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.2
153 13.2 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:188 Resp: 1193974
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 10.2 7.6 11.4

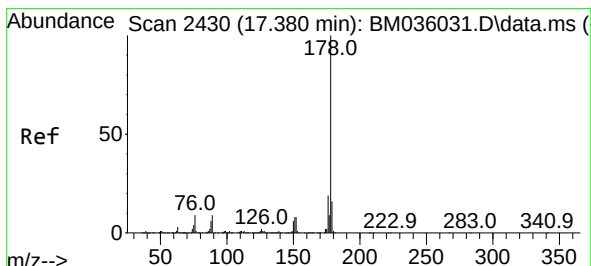
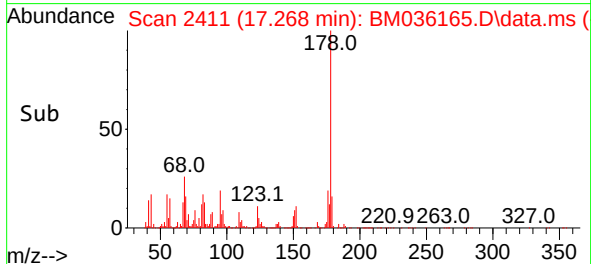
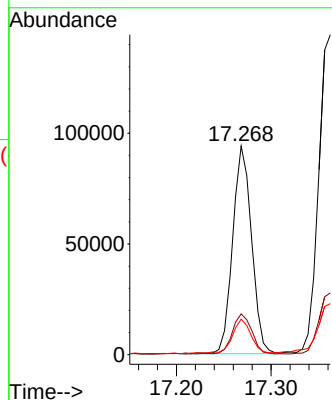
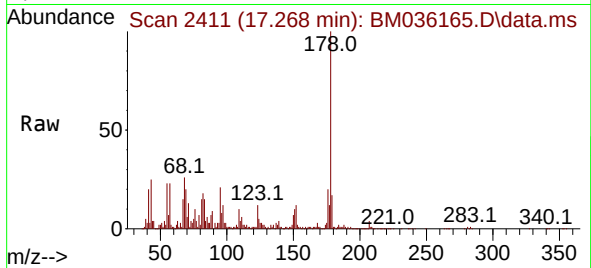




#71
Phenanthrene
Concen: 2.140 ng
RT: 17.268 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

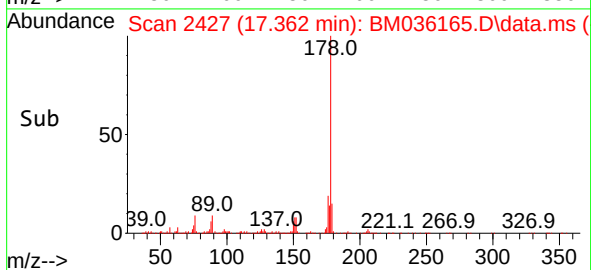
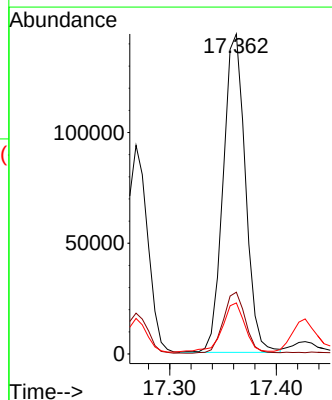
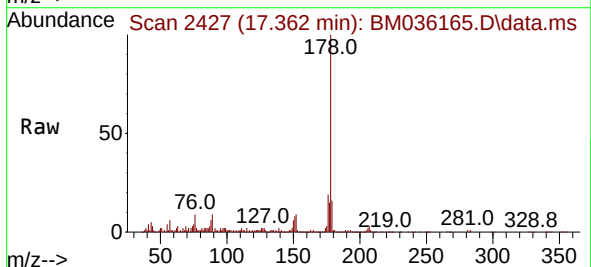
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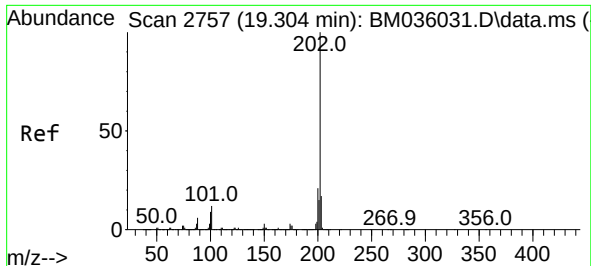
Tgt Ion:178 Resp: 130169
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 17.0 12.4 18.6



#72
Anthracene
Concen: 3.535 ng
RT: 17.362 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:178 Resp: 208199
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 16.0 12.2 18.2

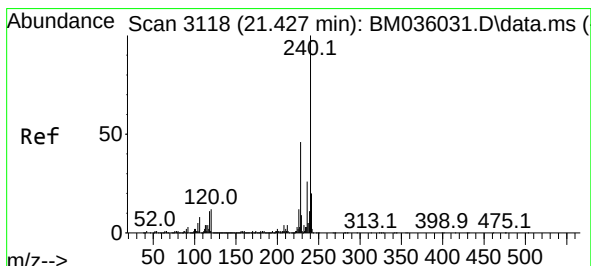
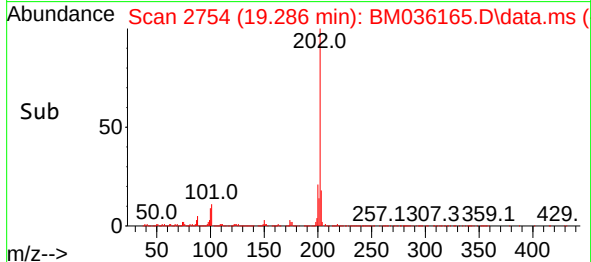
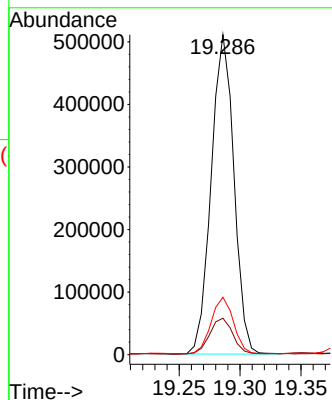
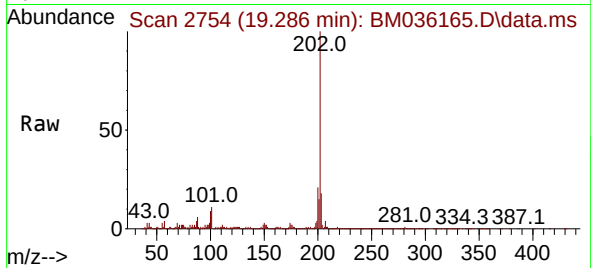




#75
Fluoranthene
Concen: 9.721 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

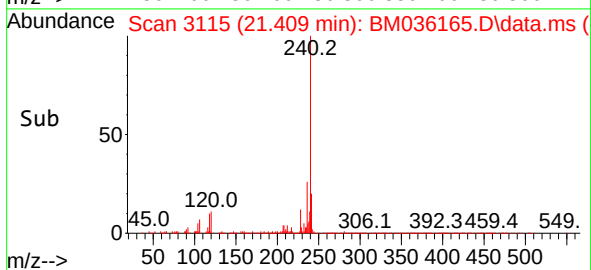
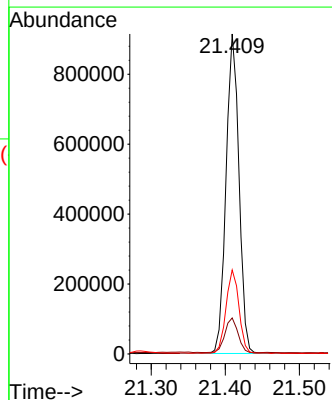
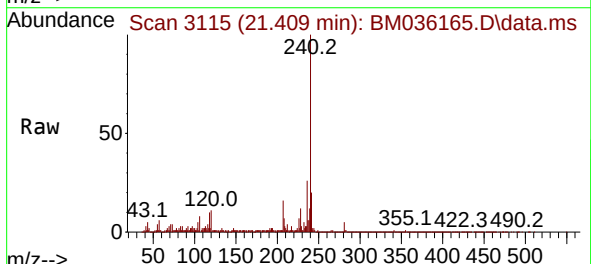
Instrument :
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RVE-212

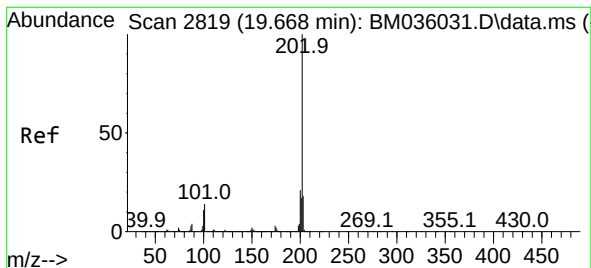
Tgt Ion:202 Resp: 661885
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.6
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:240 Resp: 1109117
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.0
236 26.2 20.6 30.8





#78

Pyrene

Concen: 11.150 ng

RT: 19.645 min Scan# 2

Delta R.T. -0.012 min

Lab File: BM036165.D

Acq: 09 Aug 2022 03:59

Instrument :

BNA_M

ClientSampleId :

RVE-212

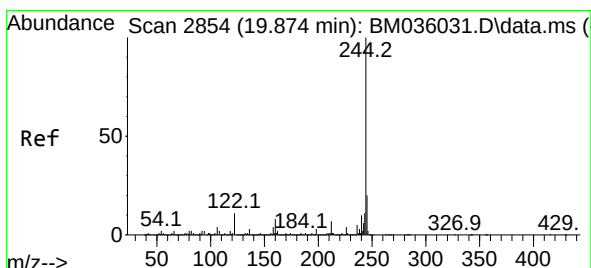
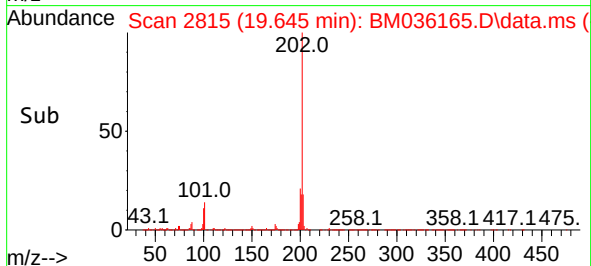
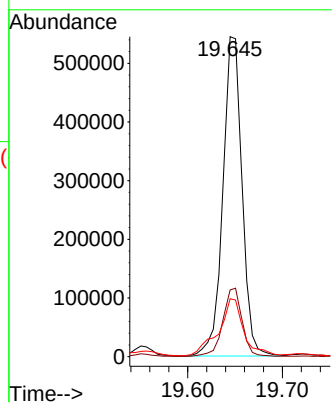
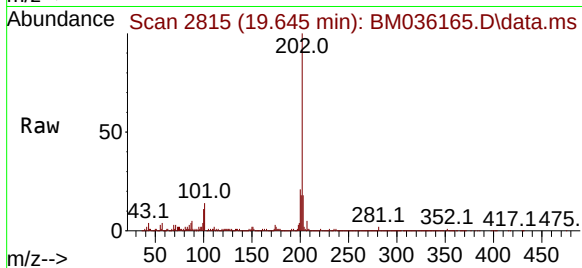
Tgt Ion:202 Resp: 766822

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 77.644 ng

RT: 19.856 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BM036165.D

Acq: 09 Aug 2022 03:59

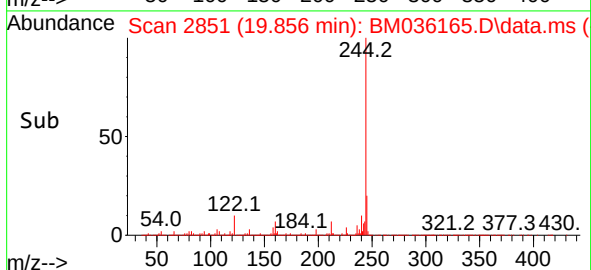
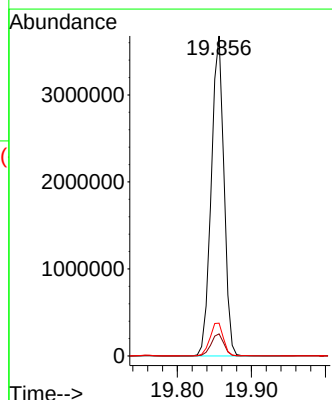
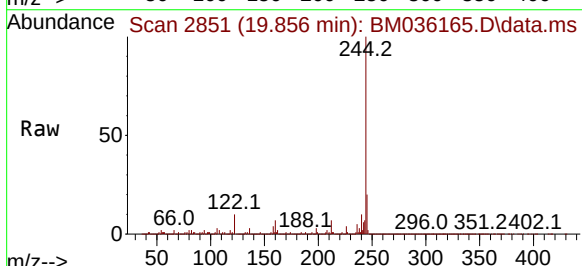
Tgt Ion:244 Resp: 4365986

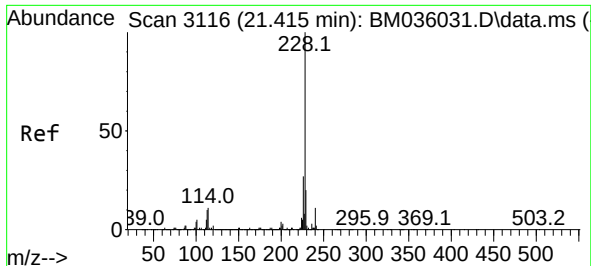
Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.4

122 10.2 8.3 12.5

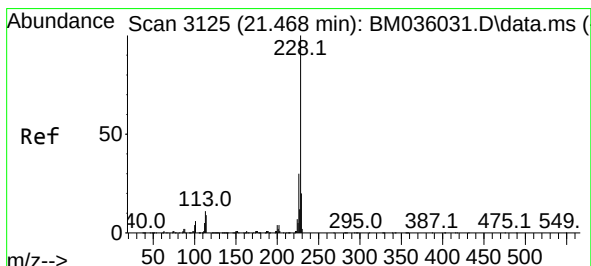
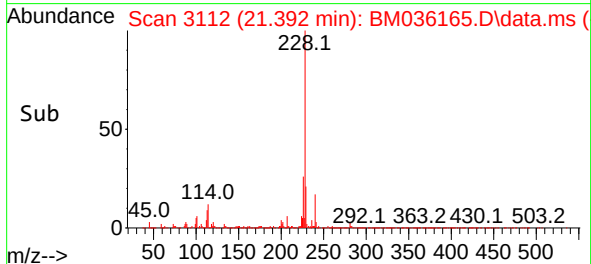
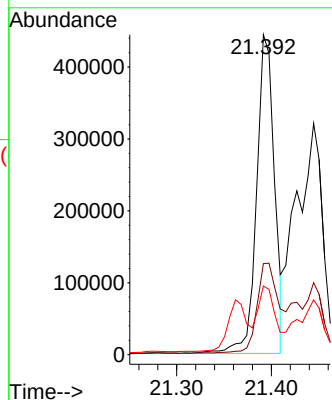
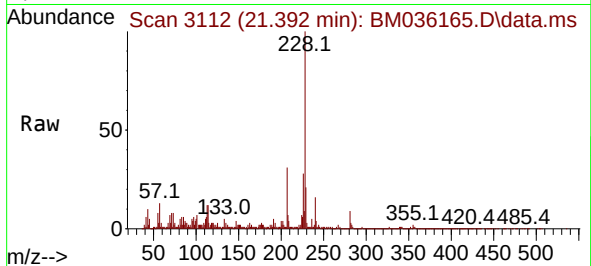




#81
Benzo(a)anthracene
Concen: 8.524 ng
RT: 21.392 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

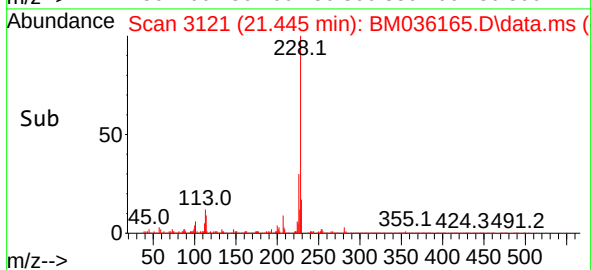
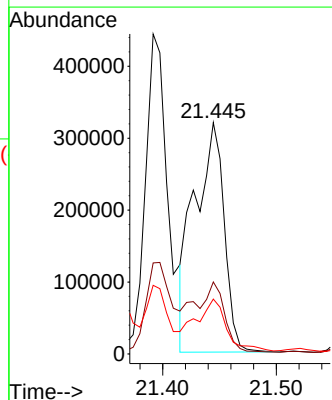
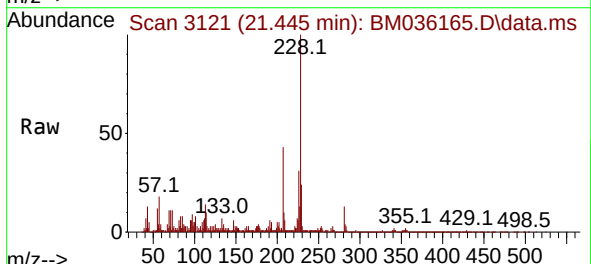
Instrument :
BNA_M
ClientSampleId :
RVE-212

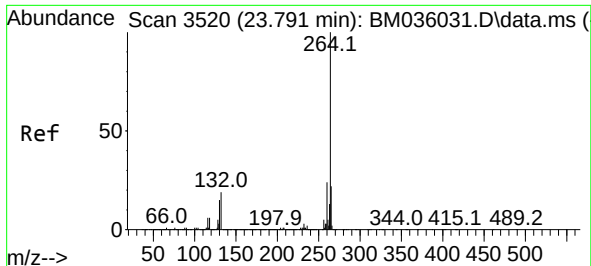
Tgt Ion:228 Resp: 582340
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 21.4 15.8 23.6



#83
Chrysene
Concen: 8.907 ng
RT: 21.445 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:228 Resp: 578439
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 23.7 15.8 23.8



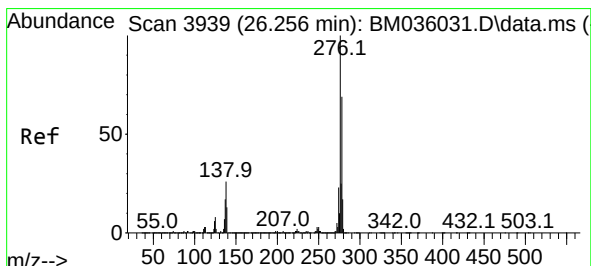
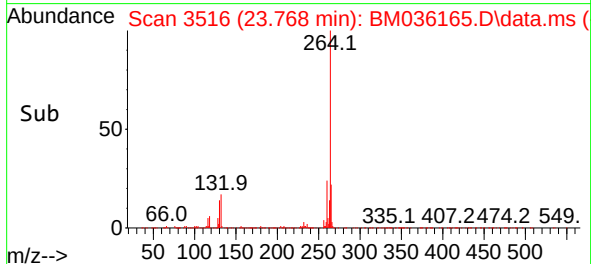
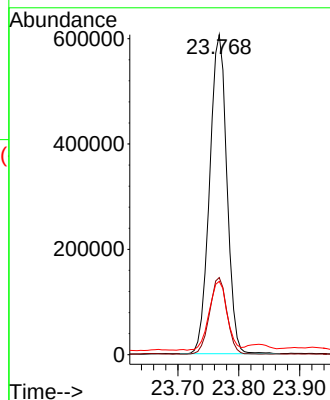
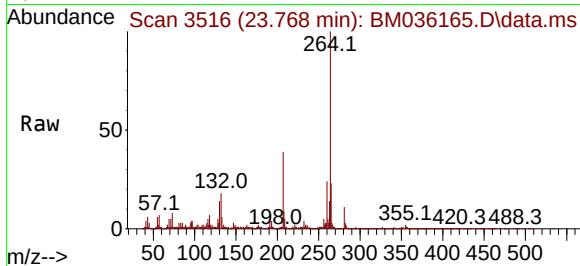


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Instrument :
BNA_M
ClientSampleId :
RVE-212

Tgt Ion:264 Resp: 1193937

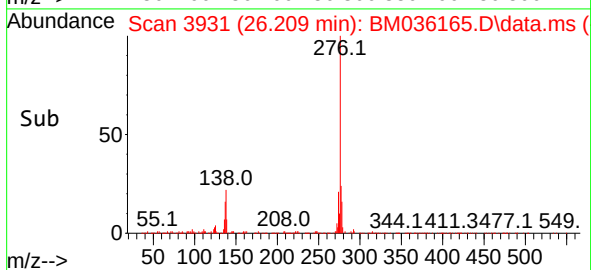
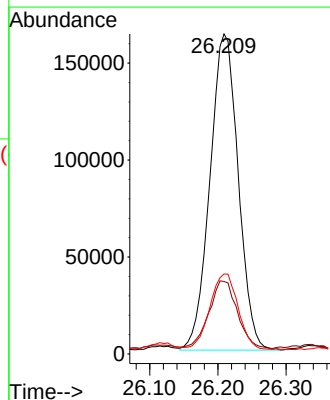
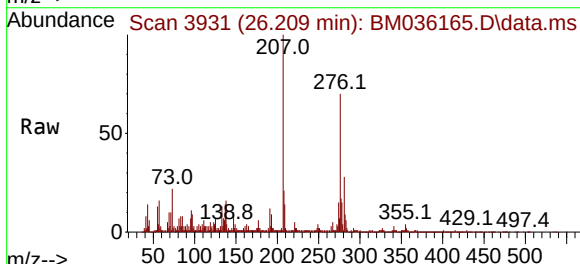
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	22.9	17.5	26.3

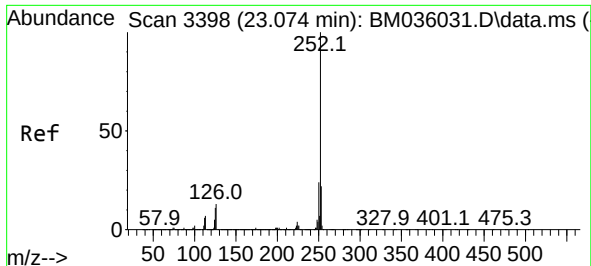


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.621 ng
RT: 26.209 min Scan# 3931
Delta R.T. -0.023 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:276 Resp: 471602

Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.4
277	23.8	20.2	30.2

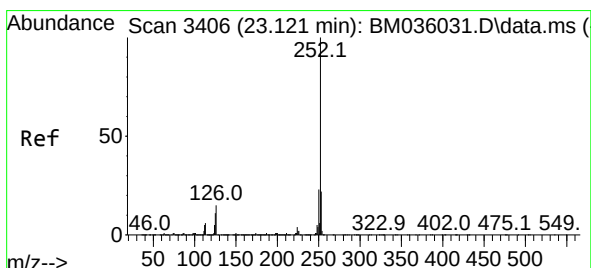
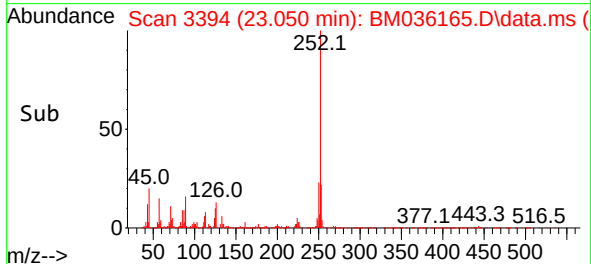
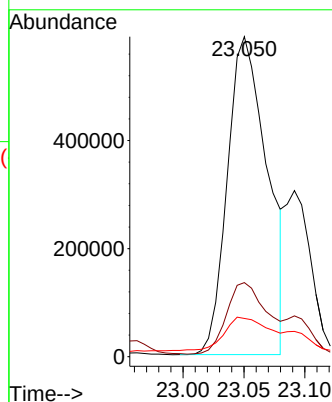
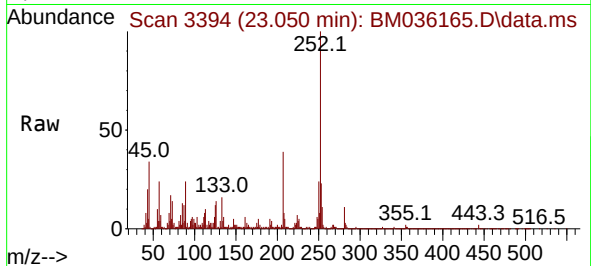




#88
Benzo(b)fluoranthene
Concen: 19.171 ng
RT: 23.050 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

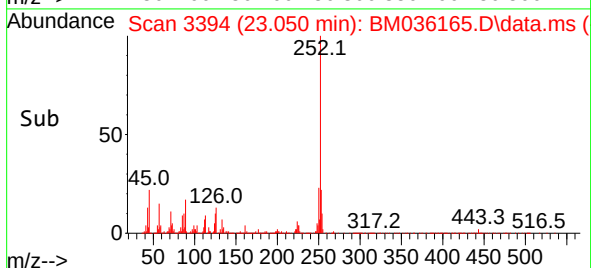
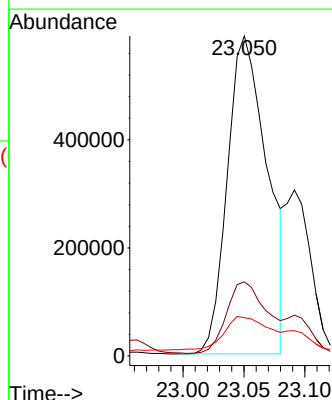
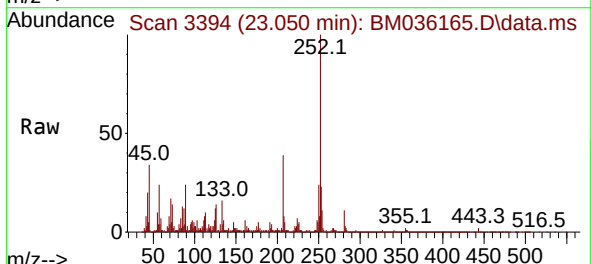
Instrument :
BNA_M
ClientSampleId :
RVE-212

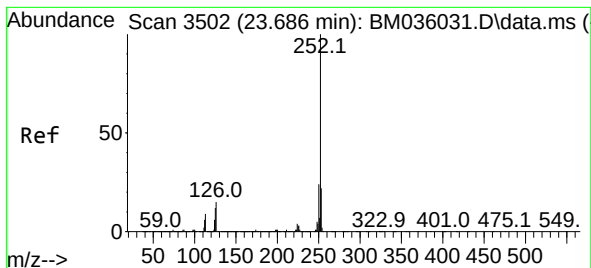
Tgt Ion:252 Resp: 1341032
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.0 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 18.981 ng
RT: 23.050 min Scan# 3394
Delta R.T. -0.059 min
Lab File: BM036165.D
Acq: 09 Aug 2022 03:59

Tgt Ion:252 Resp: 1341032
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 12.0 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 12.189 ng

RT: 23.662 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM036165.D

Acq: 09 Aug 2022 03:59

Instrument :

BNA_M

ClientSampleId :

RVE-212

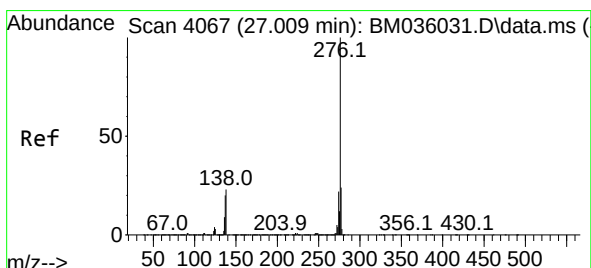
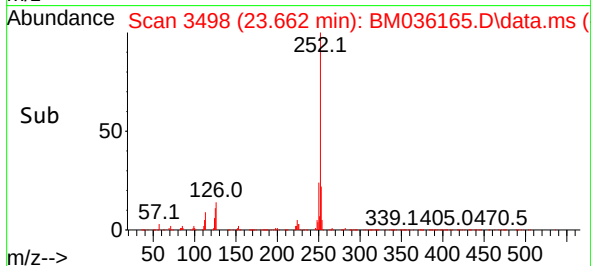
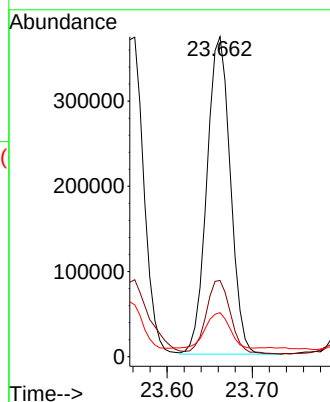
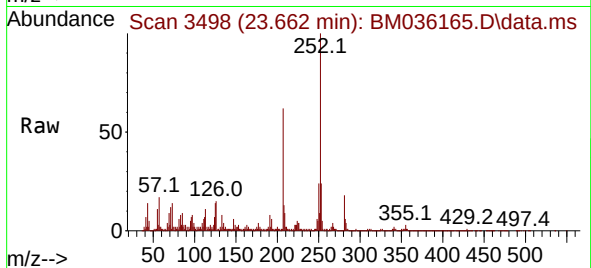
Tgt Ion:252 Resp: 715396

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 13.7 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 6.280 ng

RT: 26.968 min Scan# 4060

Delta R.T. -0.023 min

Lab File: BM036165.D

Acq: 09 Aug 2022 03:59

Tgt Ion:276 Resp: 427005

Ion Ratio Lower Upper

276 100

277 24.8 18.7 28.1

138 22.3 17.6 26.4

