

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080822\
 Data File : BM036157.D
 Acq On : 08 Aug 2022 23:03
 Operator : CG/JU
 Sample : N3960-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RVE-161

Quant Time: Aug 08 23:44:01 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)

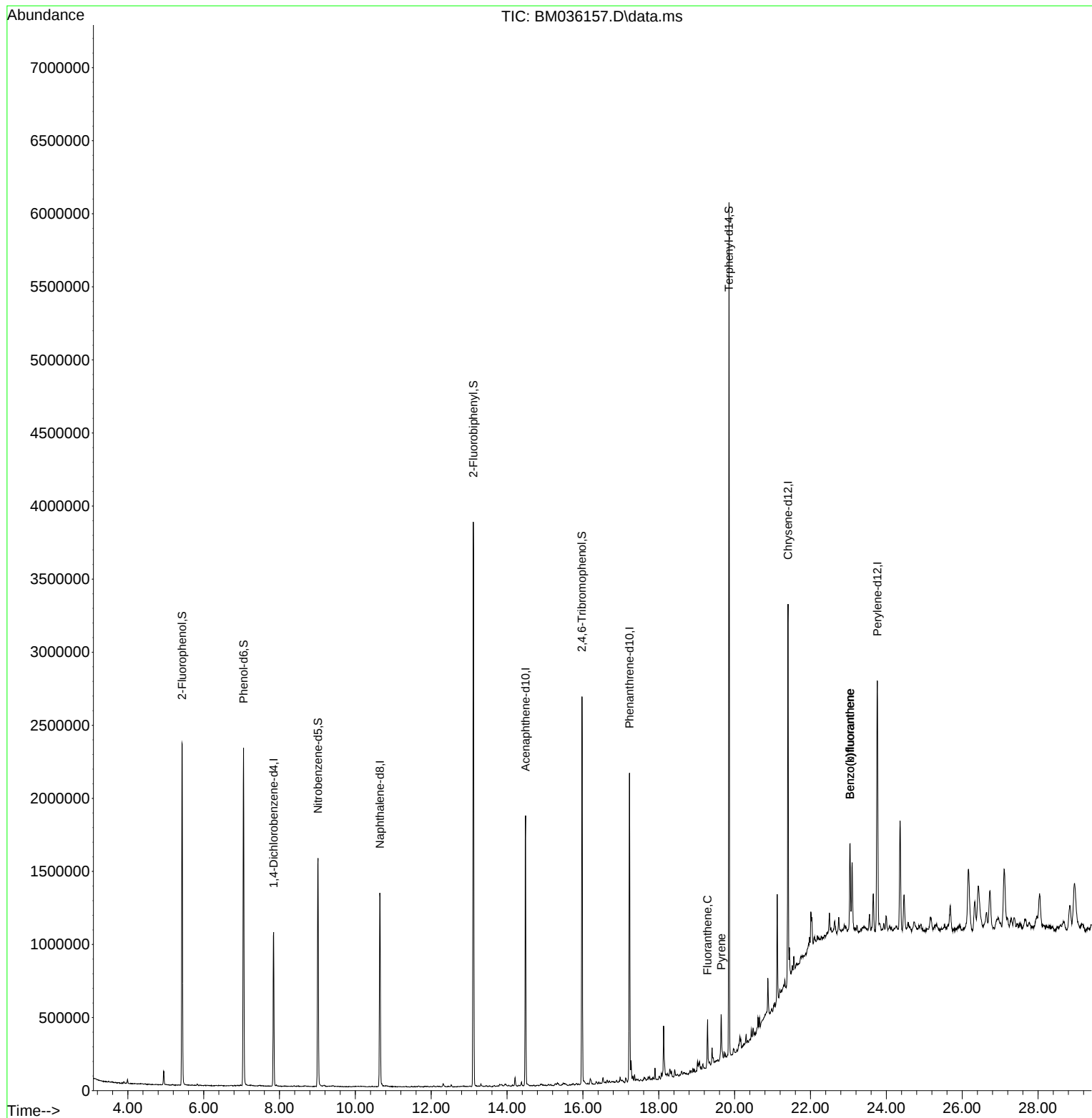
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	289174	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1128345	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	620625	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1209928	20.000	ng	0.00
76) Chrysene-d12	21.409	240	1148850	20.000	ng	-0.01
86) Perylene-d12	23.762	264	1239812	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1039404	58.274	ng	0.00
7) Phenol-d6	7.051	99	1311912	57.805	ng	-0.01
23) Nitrobenzene-d5	9.016	82	903269	44.811	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	467984	64.277	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	1949374	46.376	ng	-0.01
79) Terphenyl-d14	19.851	244	2655324	45.589	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	19.286	202	138700	2.010	ng	98
78) Pyrene	19.645	202	185081	2.598	ng	99
88) Benzo(b)fluoranthene	23.044	252	180685	2.487	ng	# 89
89) Benzo(k)fluoranthene	23.044	252	180906	2.466	ng	# 89

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

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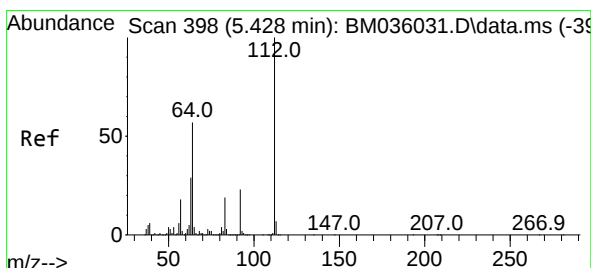
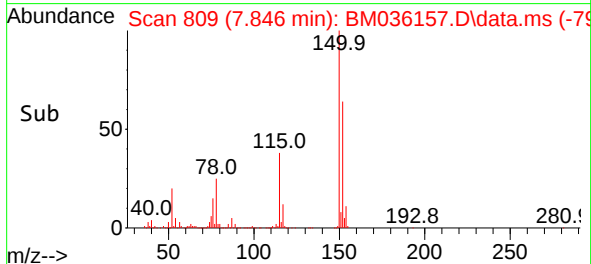
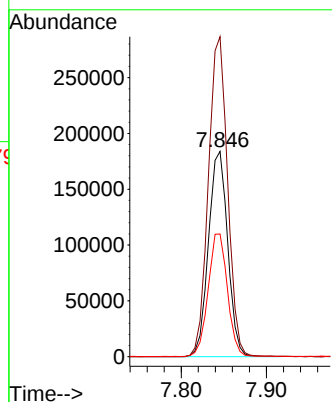
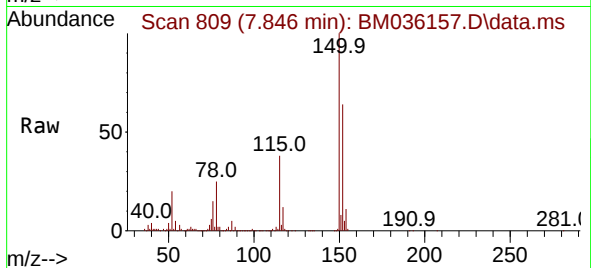




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 809
Delta R.T. 0.001 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

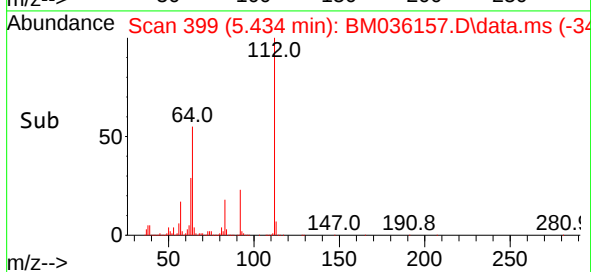
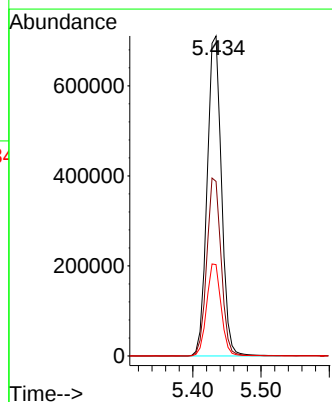
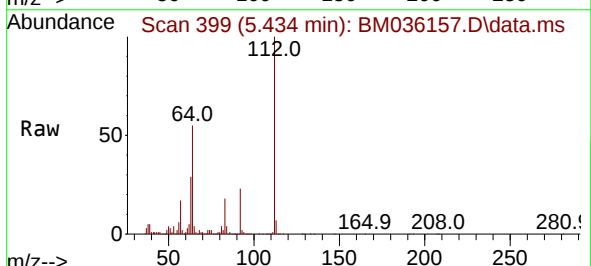
Instrument :
BNA_M
ClientSampleId :
RVE-161

Tgt Ion:152 Resp: 289174
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 59.8 47.9 71.9



#5
2-Fluorophenol
Concen: 58.274 ng
RT: 5.434 min Scan# 399
Delta R.T. 0.000 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Tgt Ion:112 Resp: 1039404
Ion Ratio Lower Upper
112 100
64 54.6 47.8 71.6
63 28.6 26.6 40.0

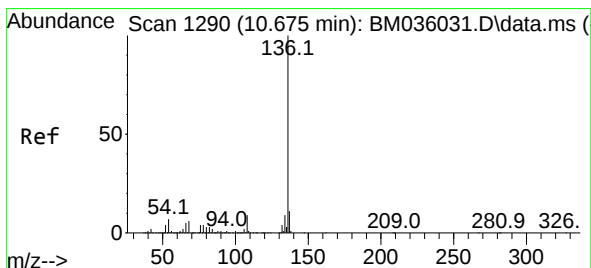
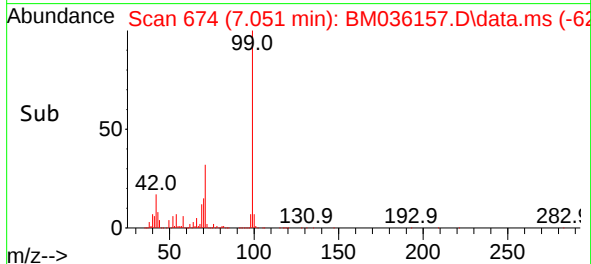
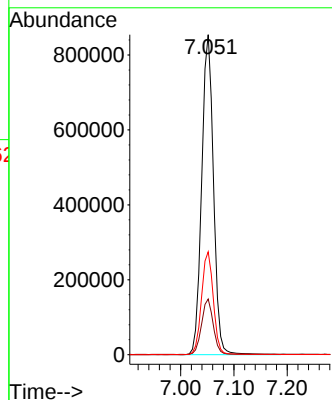
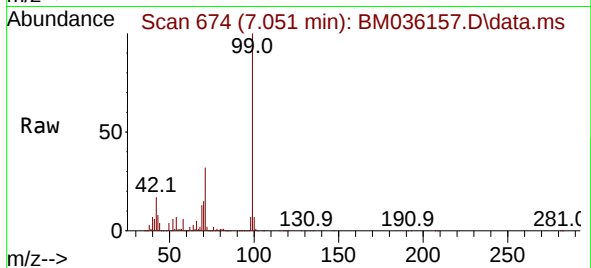




#7
Phenol-d6
Concen: 57.805 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

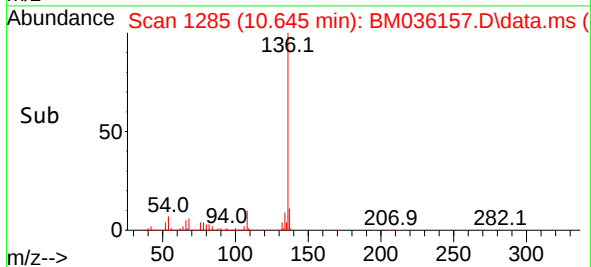
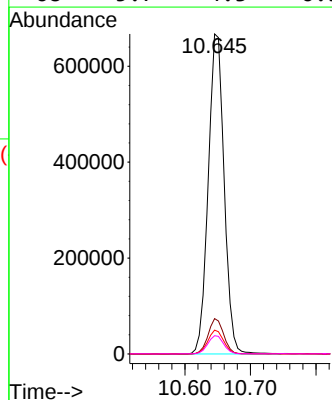
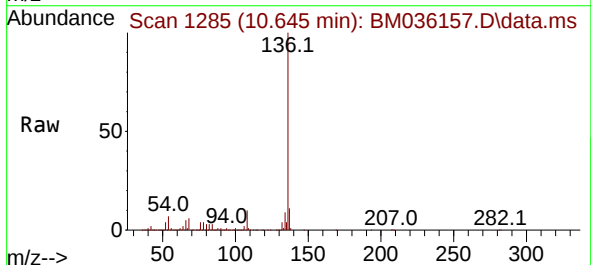
Instrument :
BNA_M
ClientSampleId :
RVE-161

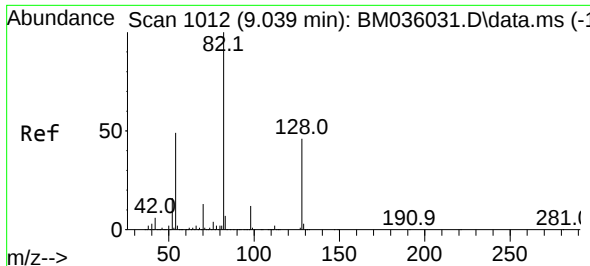
Tgt Ion: 99 Resp: 1311912
Ion Ratio Lower Upper
99 100
42 17.4 18.8 28.2#
71 32.2 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Tgt Ion: 136 Resp: 1128345
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 7.0 10.4
68 5.7 4.3 6.5

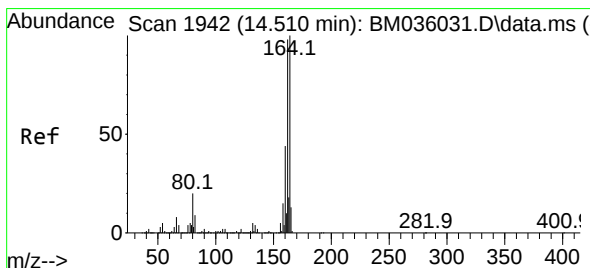
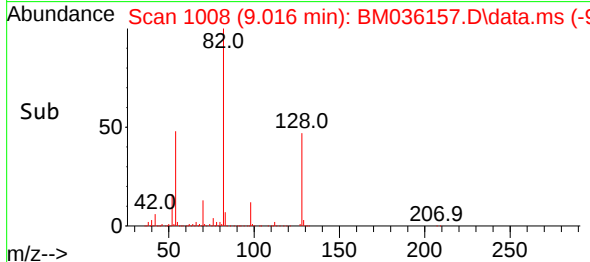
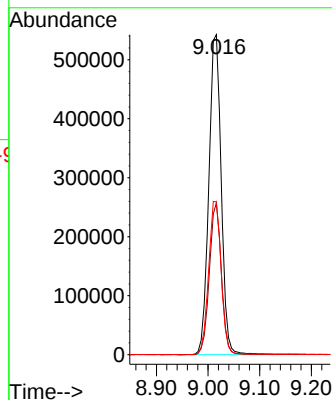
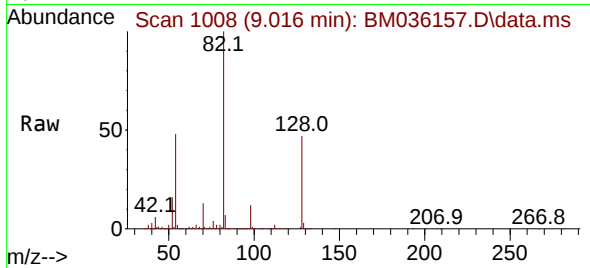




#23
Nitrobenzene-d5
Concen: 44.811 ng
RT: 9.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

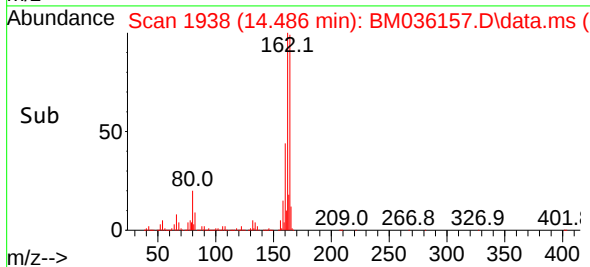
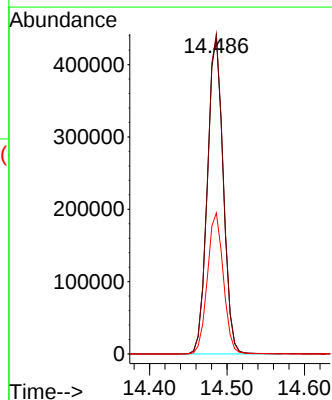
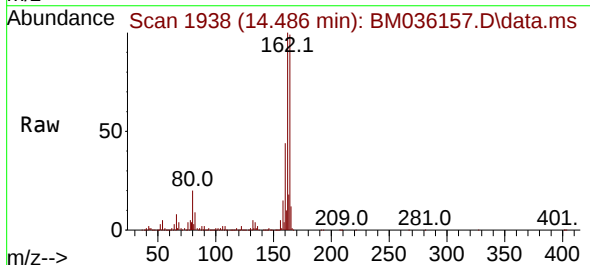
Instrument :
BNA_M
ClientSampleId :
RVE-161

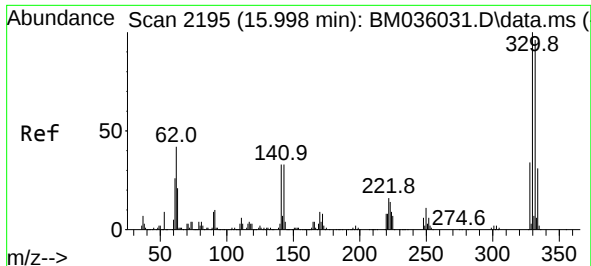
Tgt Ion: 82 Resp: 903269
Ion Ratio Lower Upper
82 100
128 47.4 33.7 50.5
54 47.8 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Tgt Ion:164 Resp: 620625
Ion Ratio Lower Upper
164 100
162 101.1 83.0 124.6
160 44.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 64.277 ng

RT: 15.974 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM036157.D

Acq: 08 Aug 2022 23:03

Instrument :

BNA_M

ClientSampleId :

RVE-161

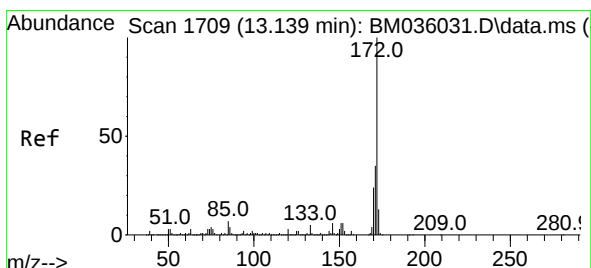
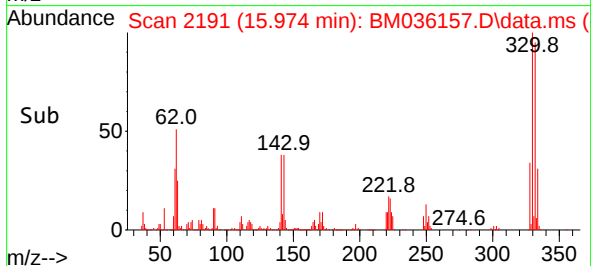
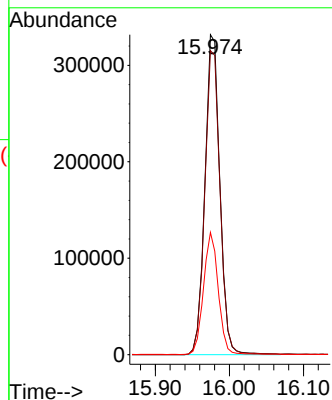
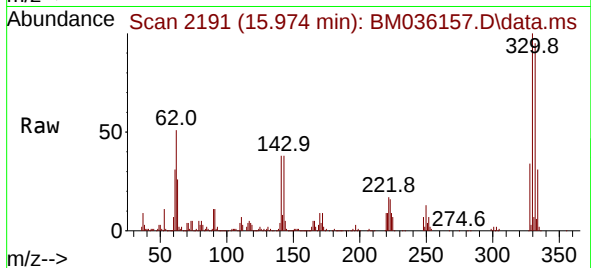
Tgt Ion:330 Resp: 467984

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 37.4 35.3 52.9



#45

2-Fluorobiphenyl

Concen: 46.376 ng

RT: 13.110 min Scan# 1704

Delta R.T. -0.012 min

Lab File: BM036157.D

Acq: 08 Aug 2022 23:03

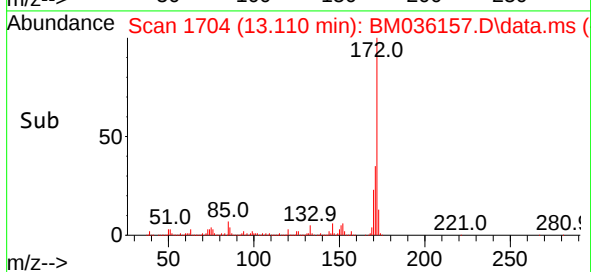
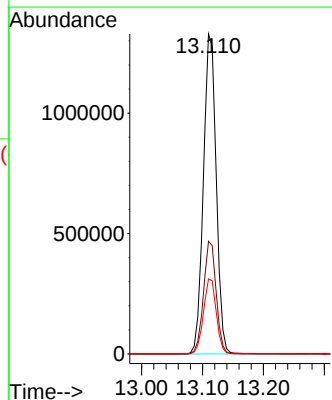
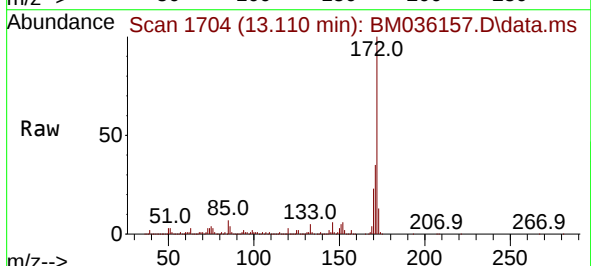
Tgt Ion:172 Resp: 1949374

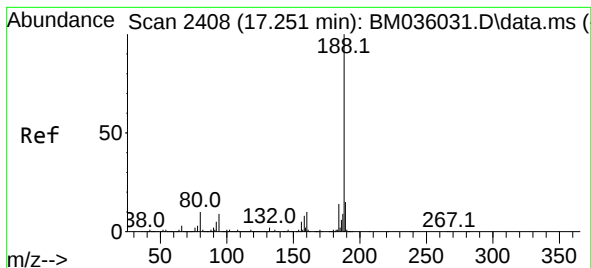
Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 23.5 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: BM036157.D

Acq: 08 Aug 2022 23:03

Instrument :

BNA_M

ClientSampleId :

RVE-161

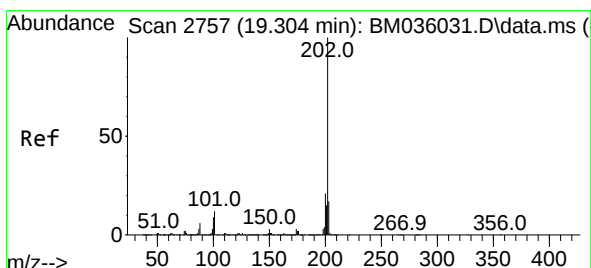
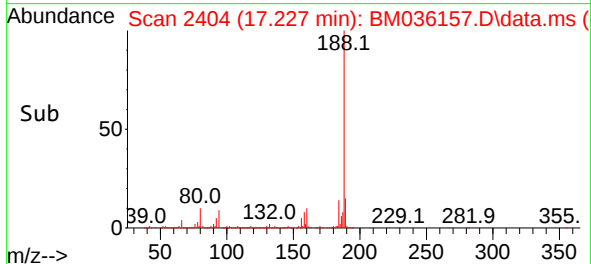
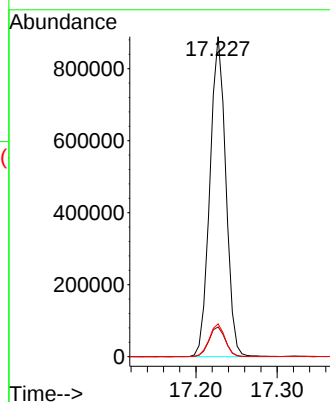
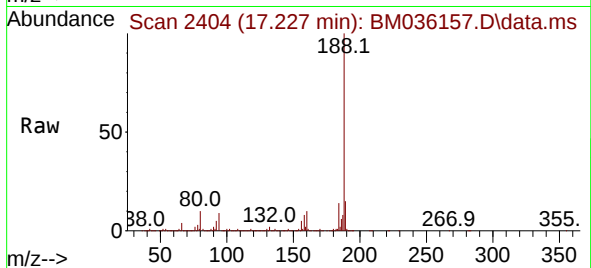
Tgt Ion:188 Resp: 1209928

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

80 10.3 7.6 11.4



#75

Fluoranthene

Concen: 2.010 ng

RT: 19.286 min Scan# 2754

Delta R.T. -0.006 min

Lab File: BM036157.D

Acq: 08 Aug 2022 23:03

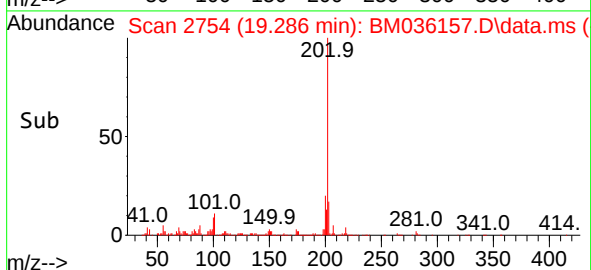
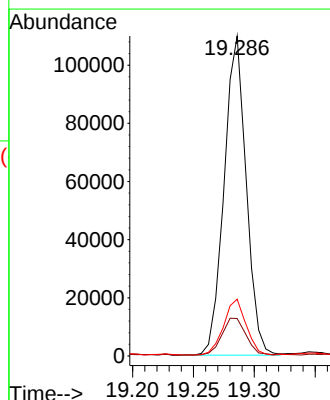
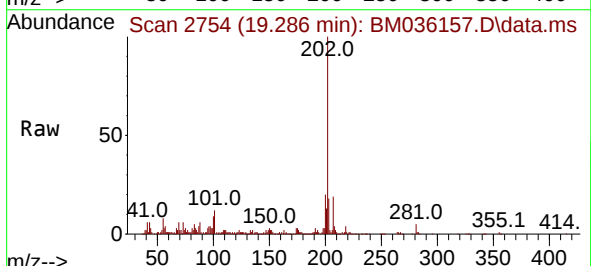
Tgt Ion:202 Resp: 138700

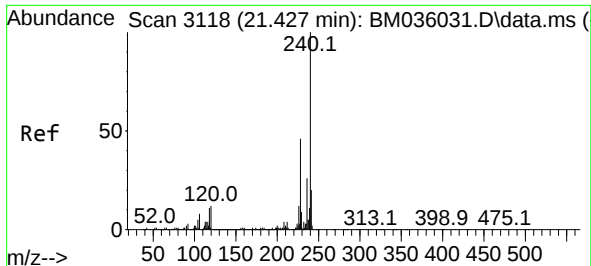
Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.6

203 17.7 0.0 37.4

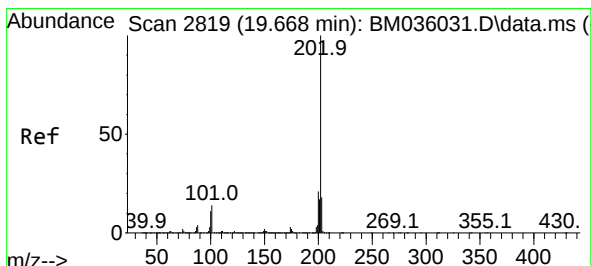
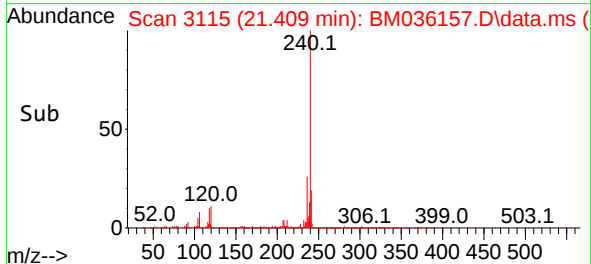
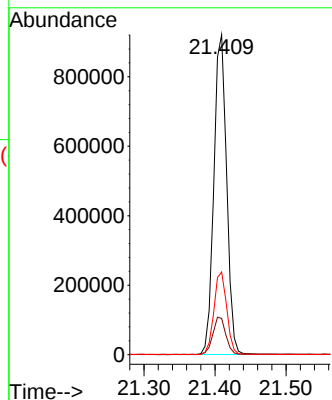
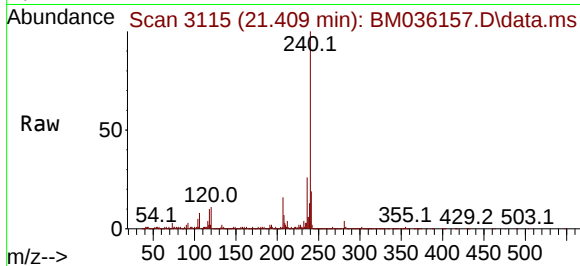




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

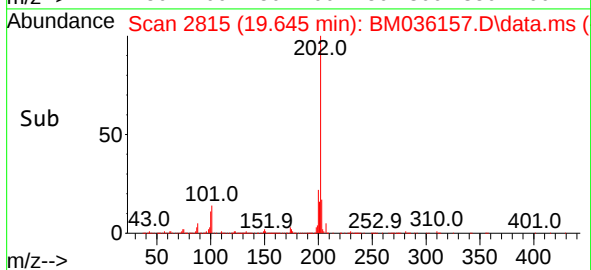
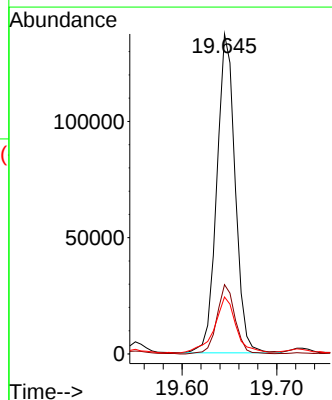
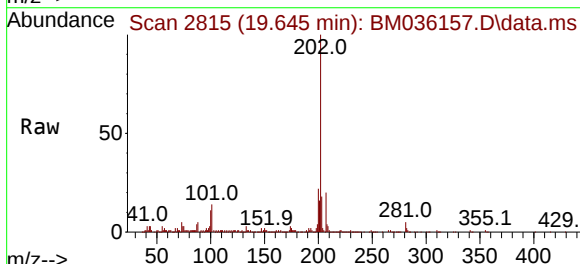
Instrument :
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ClientSampleId :
RVE-161

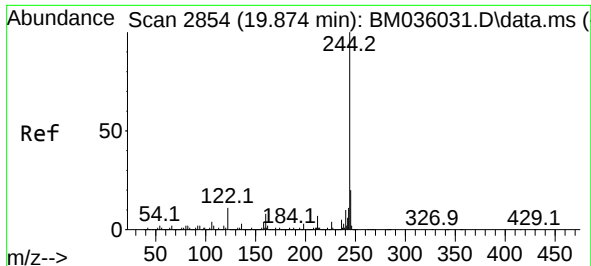
Tgt Ion:240 Resp: 1148850
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.0
236 25.9 20.6 30.8



#78
Pyrene
Concen: 2.598 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.012 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Tgt Ion:202 Resp: 185081
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 17.8 13.9 20.9

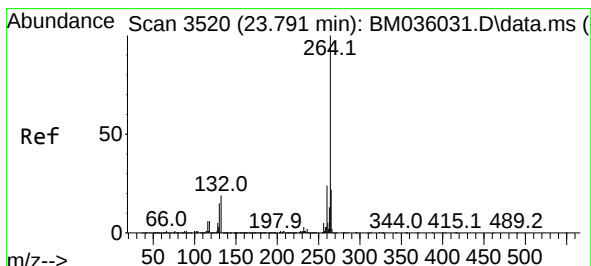
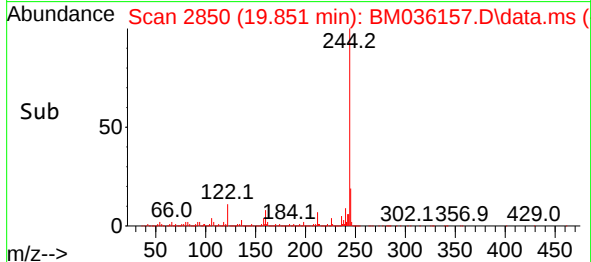
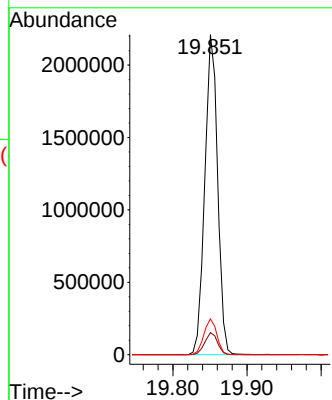
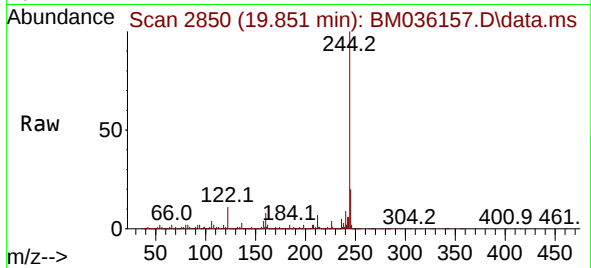




#79
 Terphenyl-d14
 Concen: 45.589 ng
 RT: 19.851 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM036157.D
 Acq: 08 Aug 2022 23:03

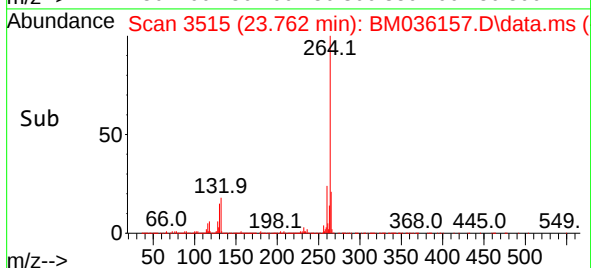
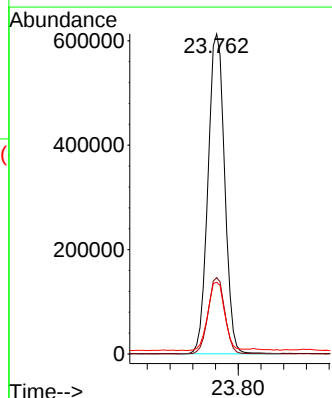
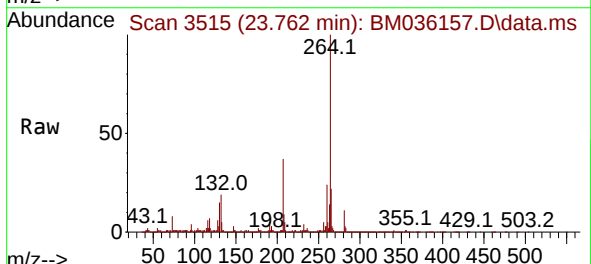
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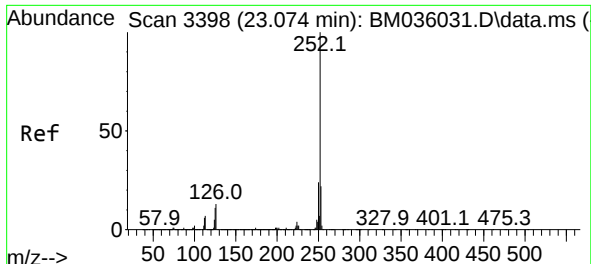
Tgt Ion:244 Resp: 2655324
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.4
 122 11.2 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.762 min Scan# 3515
 Delta R.T. -0.012 min
 Lab File: BM036157.D
 Acq: 08 Aug 2022 23:03

Tgt Ion:264 Resp: 1239812
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.9 28.3
 265 22.4 17.5 26.3

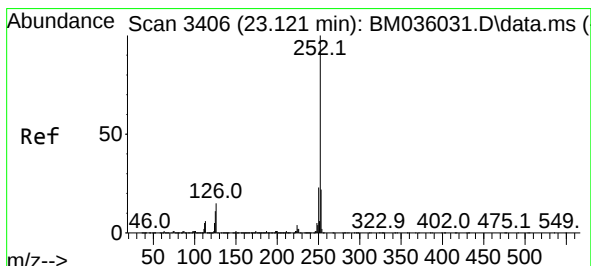
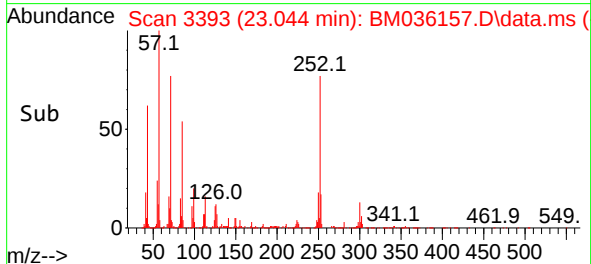
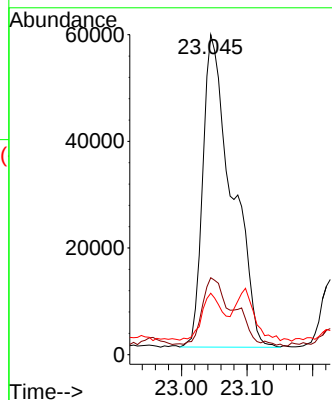
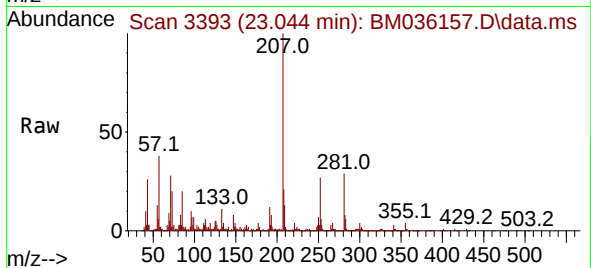




#88
Benzo(b)fluoranthene
Concen: 2.487 ng
RT: 23.044 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Instrument :
BNA_M
ClientSampleId :
RVE-161

Tgt Ion:252 Resp: 180685
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 19.2 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 2.466 ng
RT: 23.044 min Scan# 3393
Delta R.T. -0.064 min
Lab File: BM036157.D
Acq: 08 Aug 2022 23:03

Tgt Ion:252 Resp: 180906
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 19.2 7.6 11.4#

