

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020223\
 Data File : BM038666.D
 Acq On : 02 Feb 2023 16:50
 Operator : CG/JU
 Sample : 01389-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ROW-1

Quant Time: Feb 03 05:36:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 03:31:45 2023
 Response via : Initial Calibration

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

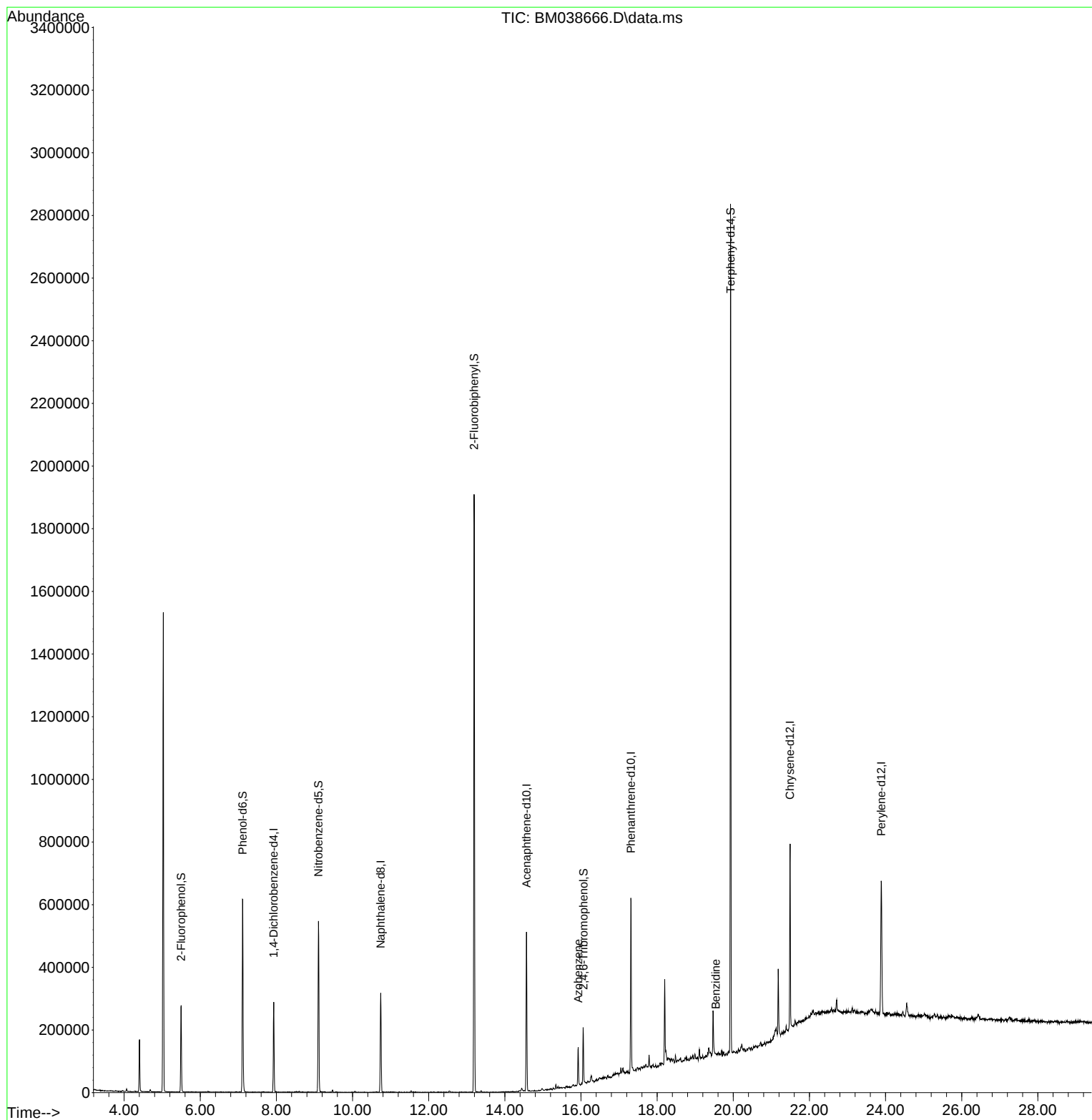
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	82736	20.000	ng	-0.01
21) Naphthalene-d8	10.740	136	266239	20.000	ng	-0.01
39) Acenaphthene-d10	14.569	164	174471	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	335370	20.000	ng	-0.01
76) Chrysene-d12	21.492	240	256735	20.000	ng	0.00
86) Perylene-d12	23.886	264	321203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	121034	28.657	ng	0.00
7) Phenol-d6	7.111	99	338738	70.320	ng	0.00
23) Nitrobenzene-d5	9.104	82	296286	63.211	ng	-0.01
42) 2,4,6-Tribromophenol	16.063	330	33768	14.239	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	976479	71.253	ng	-0.01
79) Terphenyl-d14	19.927	244	1181268	81.195	ng	0.00
Target Compounds						
63) Azobenzene	15.928	77	32031	3.087	ng	# 1
77) Benzidine	19.545	184	425	3.165	ng	# 1

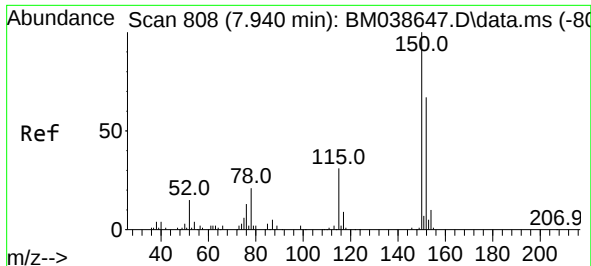
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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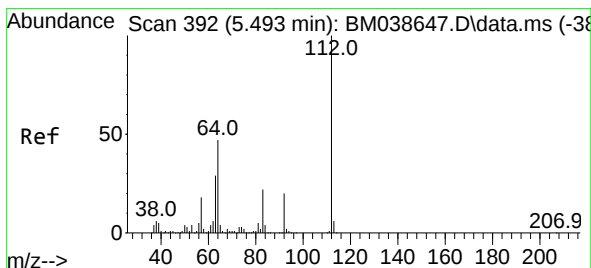
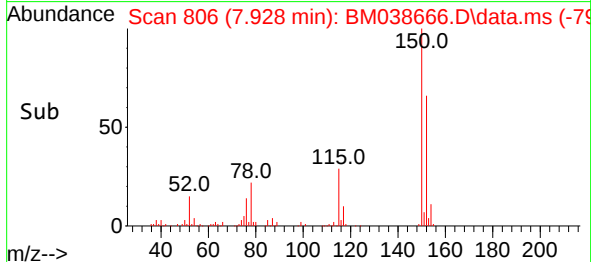
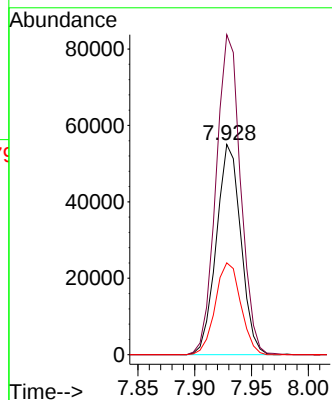
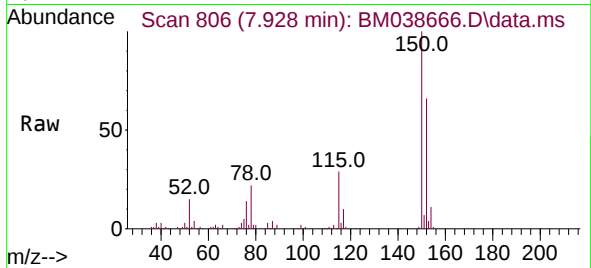




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.012 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

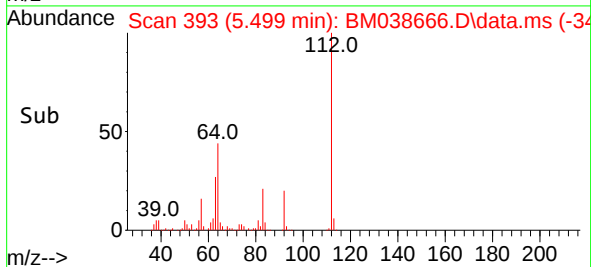
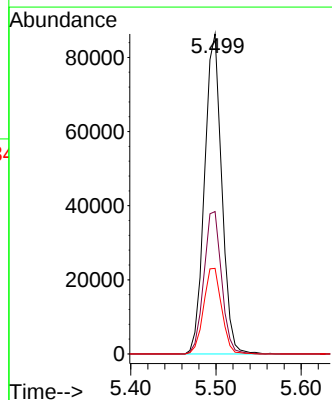
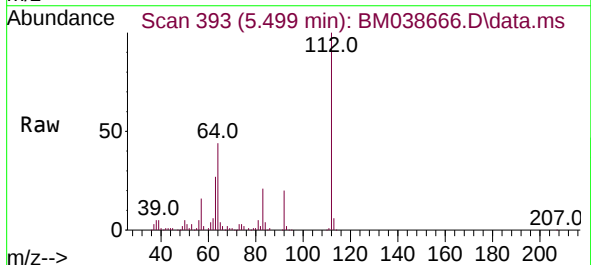
Instrument :
BNA_M
ClientSampleId :
ROW-1

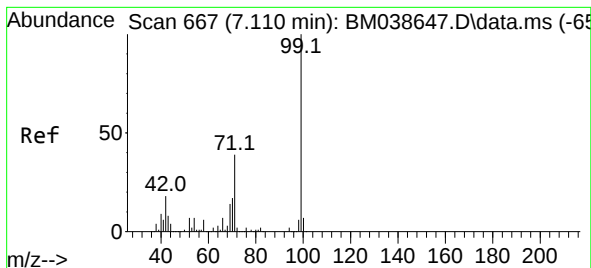
Tgt Ion:152 Resp: 82736
Ion Ratio Lower Upper
152 100
150 152.2 119.5 179.3
115 43.7 37.6 56.4



#5
2-Fluorophenol
Concen: 28.657 ng
RT: 5.499 min Scan# 393
Delta R.T. 0.006 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

Tgt Ion:112 Resp: 121034
Ion Ratio Lower Upper
112 100
64 44.5 37.9 56.9
63 26.7 23.3 34.9





#7

Phenol-d6

Concen: 70.320 ng

RT: 7.111 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

Instrument :

BNA_M

ClientSampleId :

ROW-1

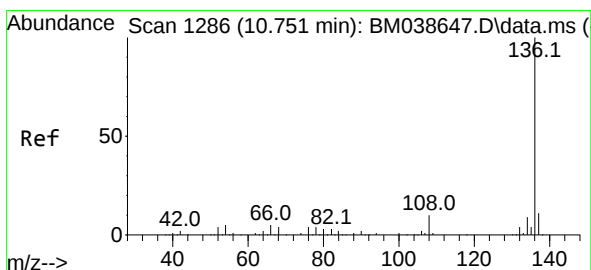
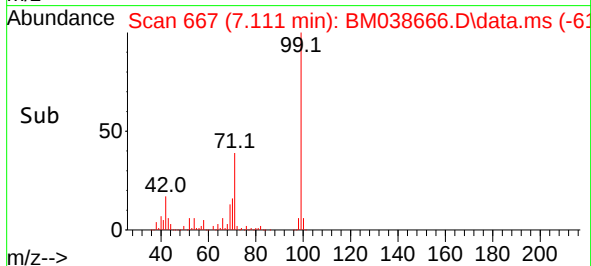
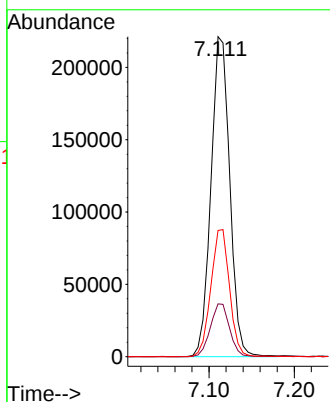
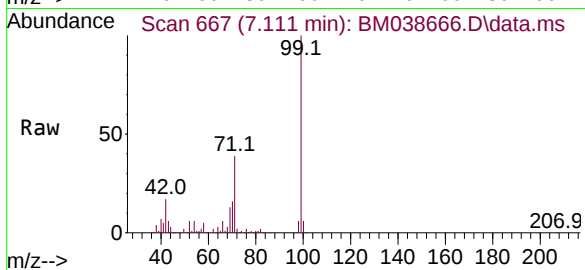
Tgt Ion: 99 Resp: 338738

Ion Ratio Lower Upper

99 100

42 16.5 14.6 22.0

71 39.5 31.0 46.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.740 min Scan# 1284

Delta R.T. -0.011 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

Tgt Ion: 136 Resp: 266239

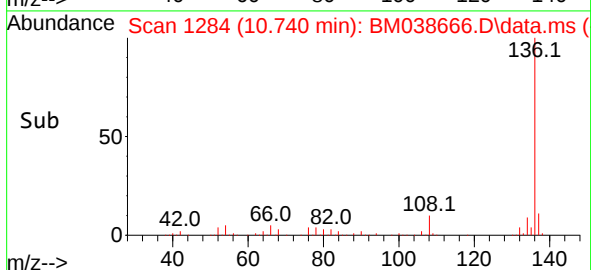
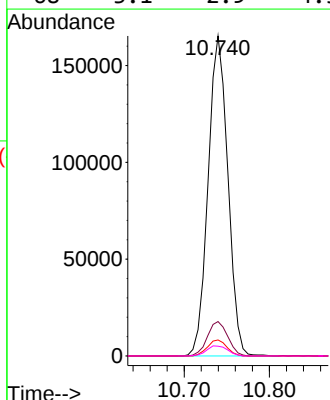
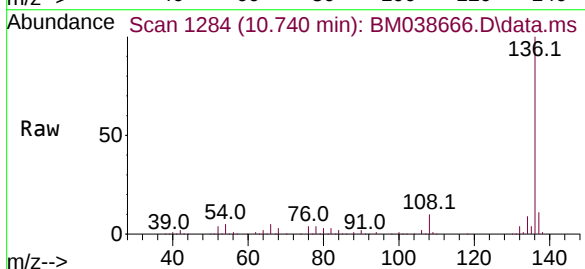
Ion Ratio Lower Upper

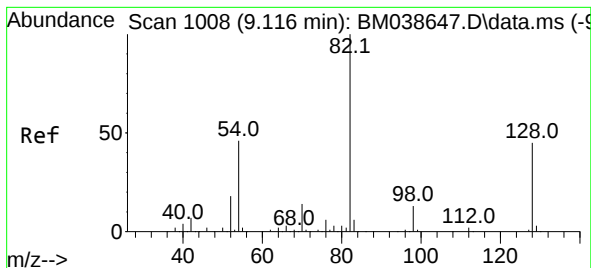
136 100

137 10.8 8.8 13.2

54 5.0 4.2 6.4

68 3.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 63.211 ng

RT: 9.104 min Scan# 1006

Delta R.T. -0.011 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

Instrument :

BNA_M

ClientSampleId :

ROW-1

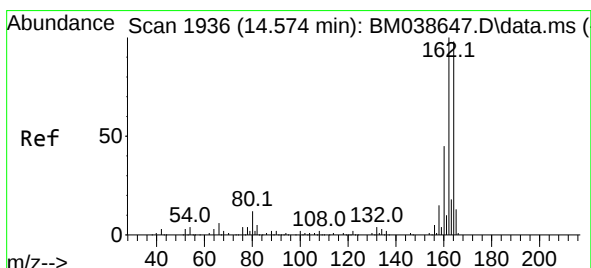
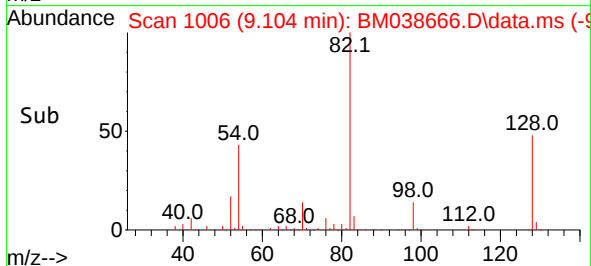
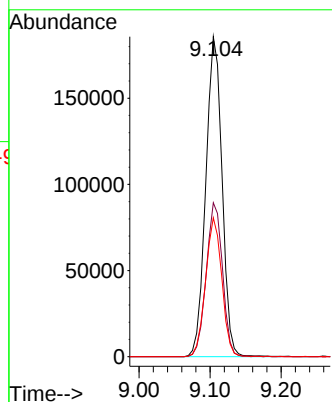
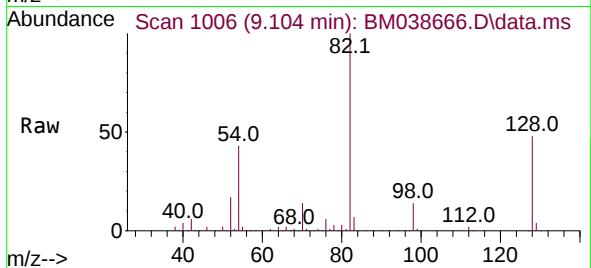
Tgt Ion: 82 Resp: 296286

Ion Ratio Lower Upper

82 100

128 48.1 36.0 54.0

54 43.4 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

Delta R.T. -0.005 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

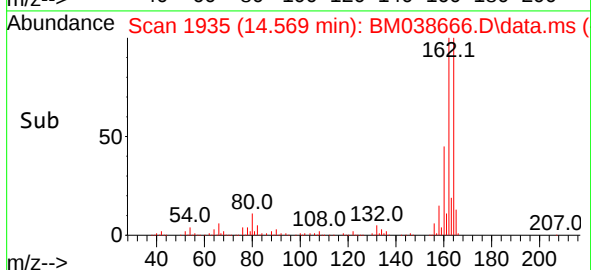
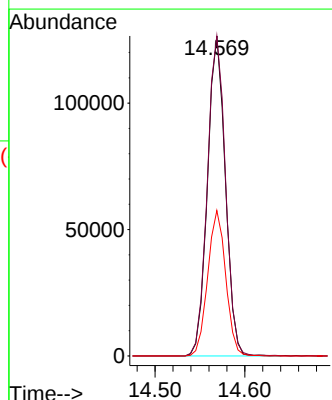
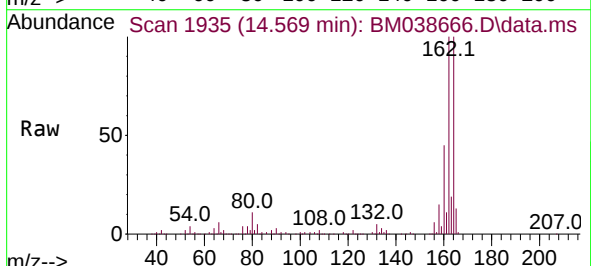
Tgt Ion:164 Resp: 174471

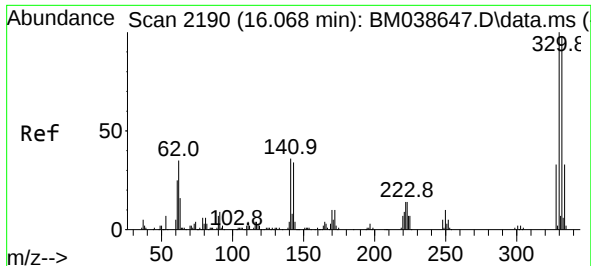
Ion Ratio Lower Upper

164 100

162 100.0 81.4 122.0

160 45.5 36.5 54.7

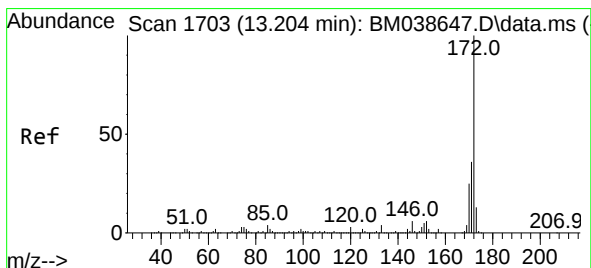
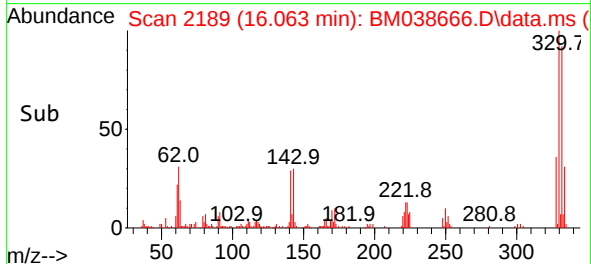
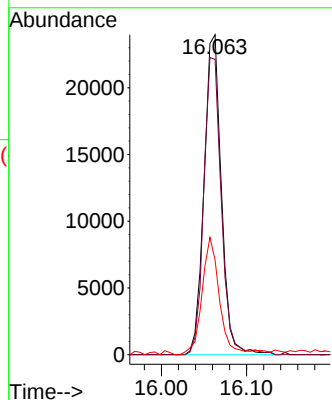
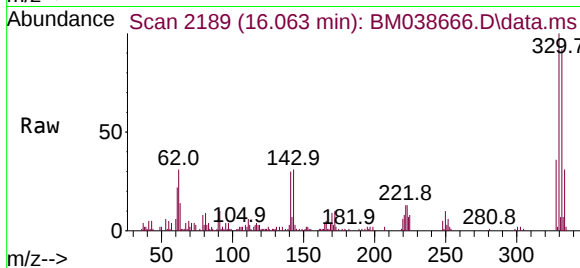




#42
2,4,6-Tribromophenol
Concen: 14.239 ng
RT: 16.063 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

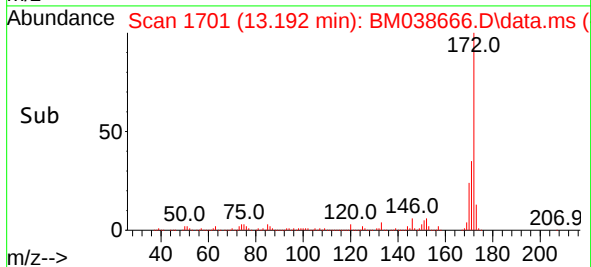
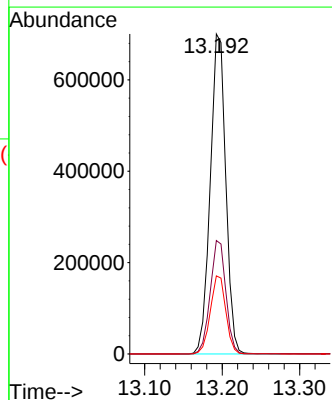
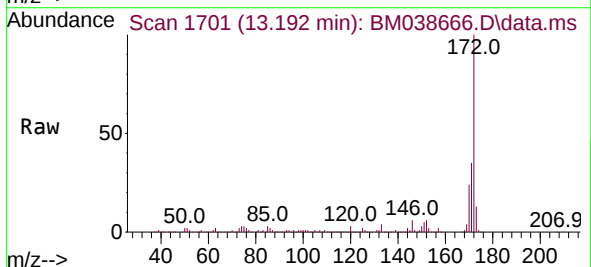
Instrument :
BNA_M
ClientSampleId :
ROW-1

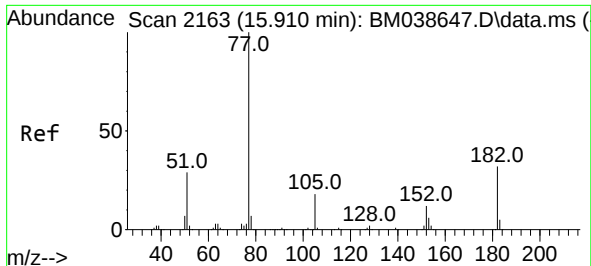
Tgt Ion:330 Resp: 33768
Ion Ratio Lower Upper
330 100
332 94.1 77.8 116.6
141 36.3 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 71.253 ng
RT: 13.192 min Scan# 1701
Delta R.T. -0.011 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

Tgt Ion:172 Resp: 976479
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 24.4 20.0 30.0

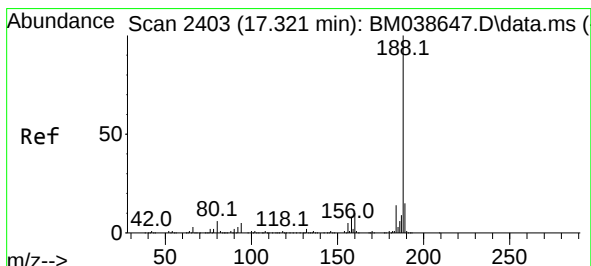
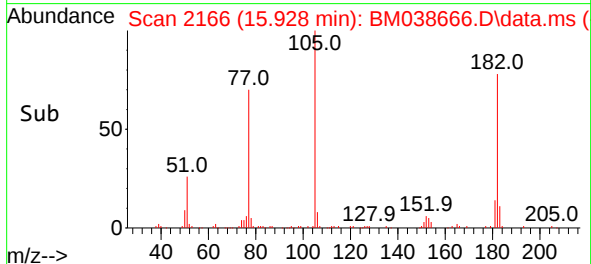
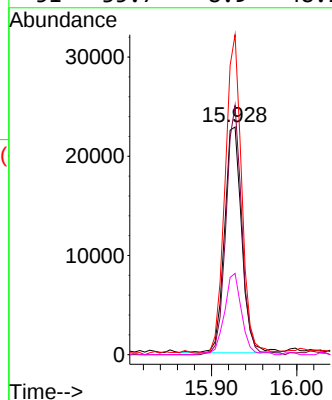
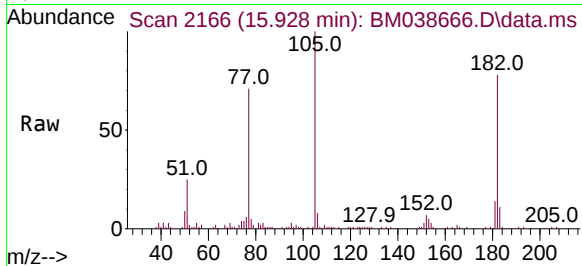




#63
Azobenzene
Concen: 3.087 ng
RT: 15.928 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

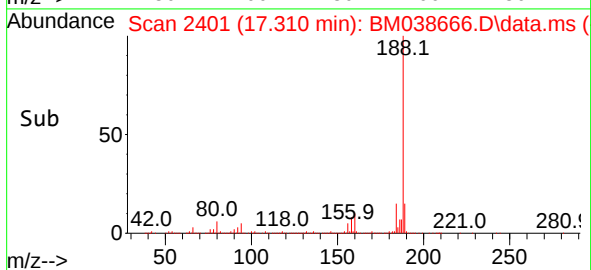
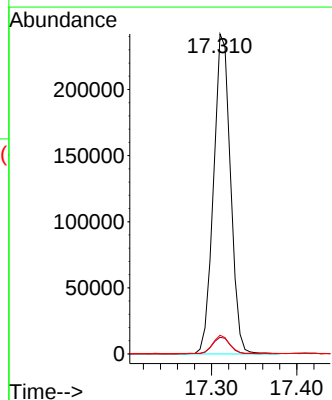
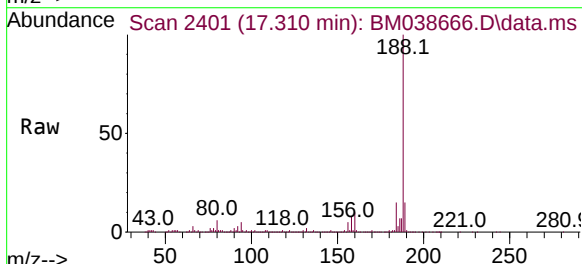
Instrument :
BNA_M
ClientSampleId :
ROW-1

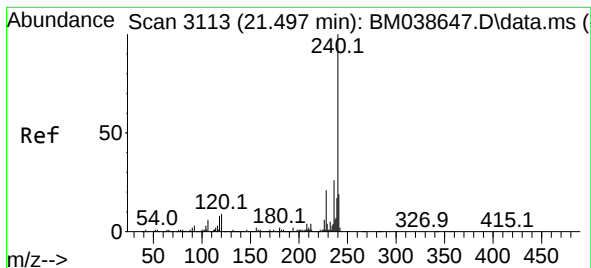
Tgt Ion: 77	Resp: 32031
Ion Ratio	Lower Upper
77 100	
182 109.5	12.0 52.0#
105 140.6	0.0 37.5#
51 35.7	8.9 48.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2401
Delta R.T. -0.011 min
Lab File: BM038666.D
Acq: 02 Feb 2023 16:50

Tgt Ion: 188	Resp: 335370
Ion Ratio	Lower Upper
188 100	
94 5.2	4.2 6.4
80 5.8	4.6 7.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.492 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

Instrument :

BNA_M

ClientSampleId :

ROW-1

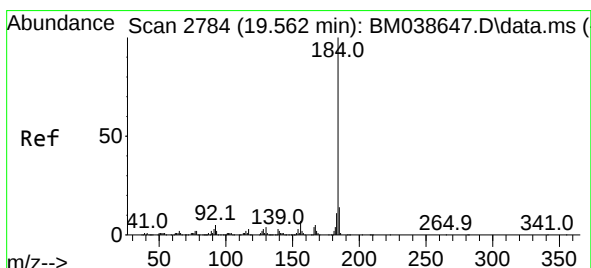
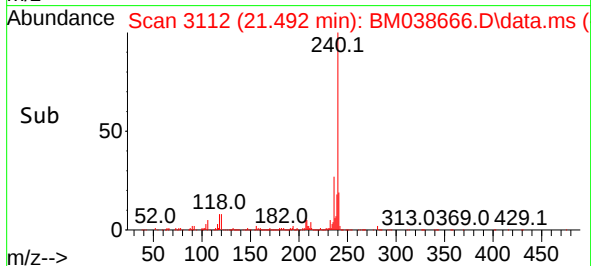
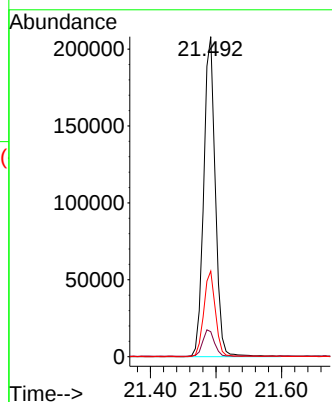
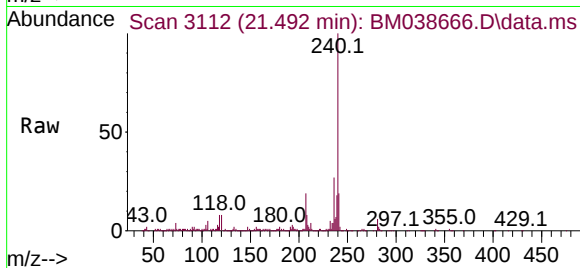
Tgt Ion:240 Resp: 256735

Ion Ratio Lower Upper

240 100

120 7.8 7.0 10.4

236 26.8 20.9 31.3



#77

Benzidine

Concen: 3.165 ng

RT: 19.545 min Scan# 2781

Delta R.T. -0.017 min

Lab File: BM038666.D

Acq: 02 Feb 2023 16:50

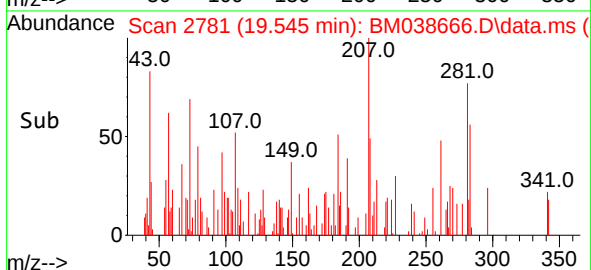
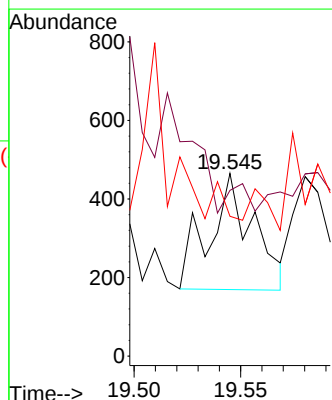
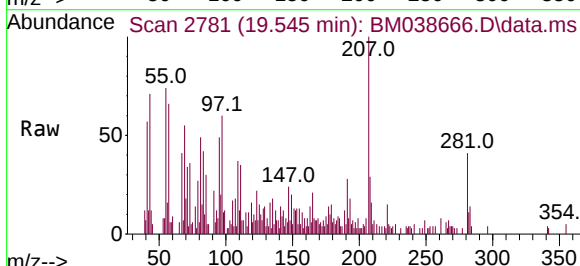
Tgt Ion:184 Resp: 425

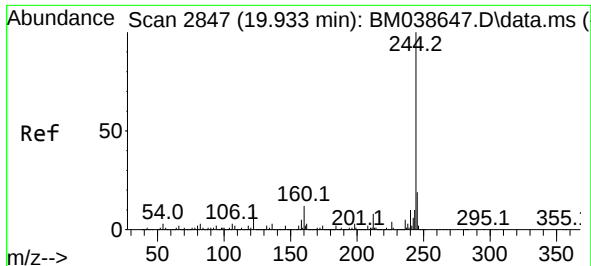
Ion Ratio Lower Upper

184 100

185 90.8 10.8 16.2#

183 76.6 8.8 13.2#

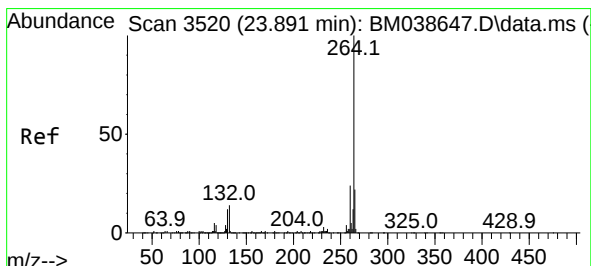
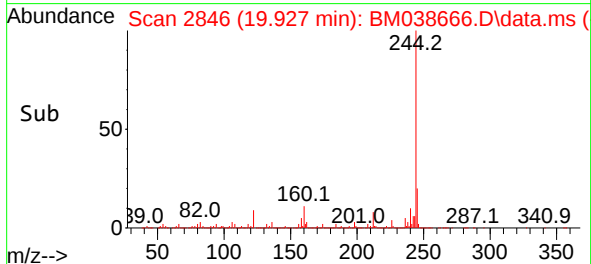
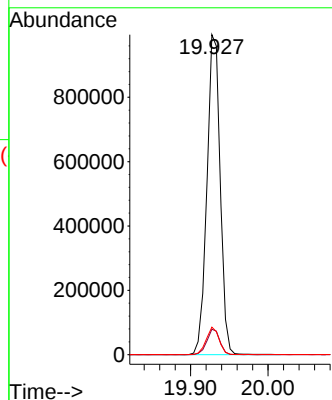
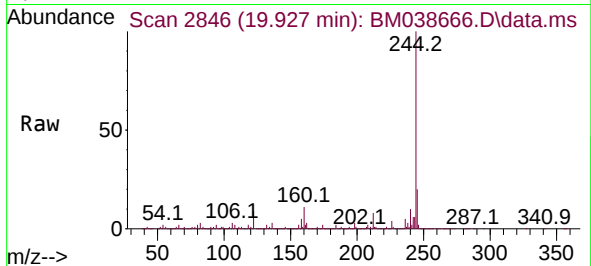




#79
 Terphenyl-d14
 Concen: 81.195 ng
 RT: 19.927 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038666.D
 Acq: 02 Feb 2023 16:50

Instrument :
 BNA_M
 ClientSampleId :
 ROW-1

Tgt Ion:244 Resp: 1181268
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 8.6 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.886 min Scan# 3519
 Delta R.T. -0.006 min
 Lab File: BM038666.D
 Acq: 02 Feb 2023 16:50

Tgt Ion:264 Resp: 321203
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.6 29.4
 265 22.1 17.9 26.9

