

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041450.D
 Acq On : 21 Aug 2023 16:20
 Operator : MA/JU
 Sample : 04082-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 217

Quant Time: Aug 22 03:37:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 03:32:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	143563	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	563425	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	363857	20.000	ng	0.00
64) Phenanthrene-d10	17.180	188	826364	20.000	ng	0.00
76) Chrysene-d12	21.386	240	872843	20.000	ng	0.00
86) Perylene-d12	23.727	264	976728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1014921	117.606	ng	0.00
7) Phenol-d6	6.957	99	1178703	100.587	ng	0.00
23) Nitrobenzene-d5	8.939	82	892280	75.598	ng	0.00
42) 2,4,6-Tribromophenol	15.921	330	639950	110.829	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	2037696	75.045	ng	0.00
79) Terphenyl-d14	19.821	244	3766182	75.086	ng	0.00

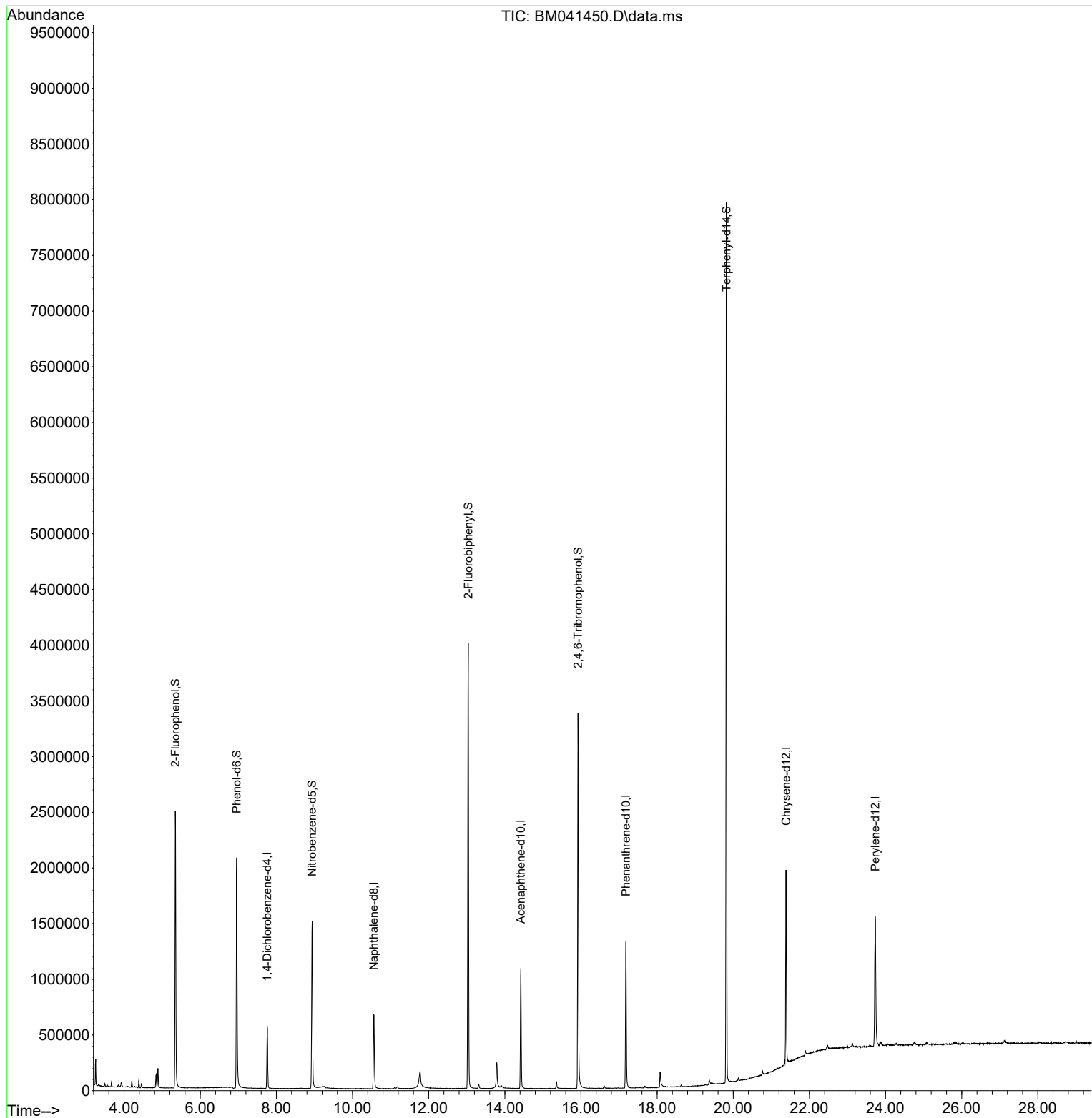
Target Compounds	Qvalue

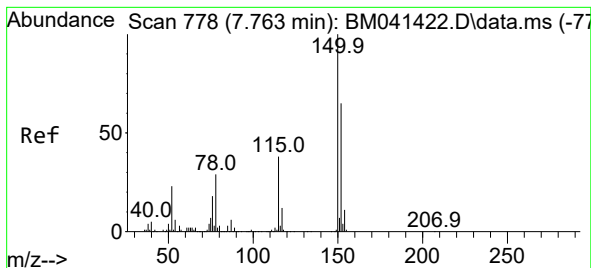
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.757 min Scan# 71

Delta R.T. 0.000 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Instrument :

BNA_M

ClientSampleId :

217

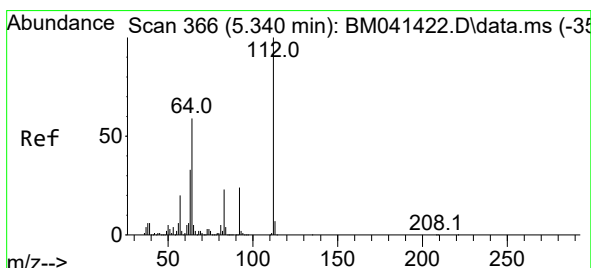
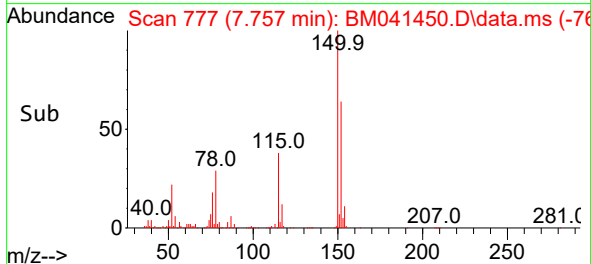
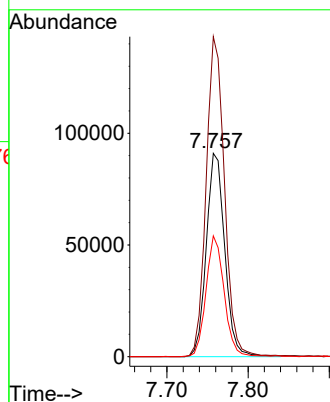
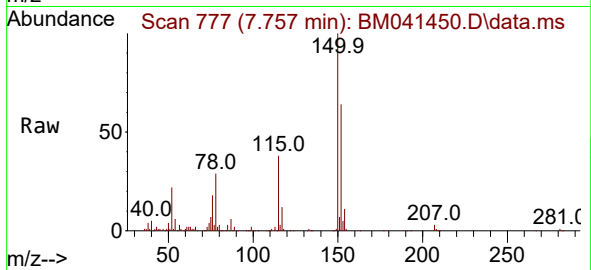
Tgt Ion:152 Resp: 143563

Ion Ratio Lower Upper

152 100

150 157.3 123.8 185.6

115 59.4 46.6 70.0



#5

2-Fluorophenol

Concen: 117.606 ng

RT: 5.346 min Scan# 367

Delta R.T. -0.000 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

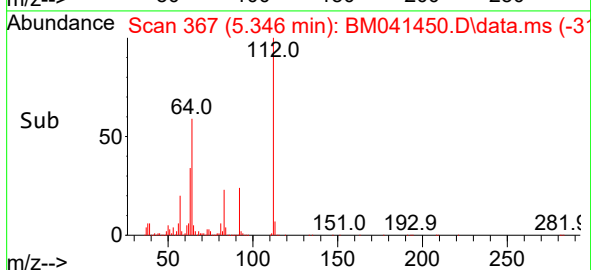
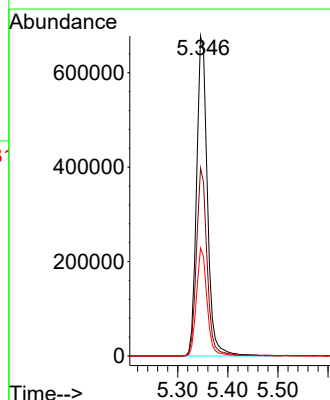
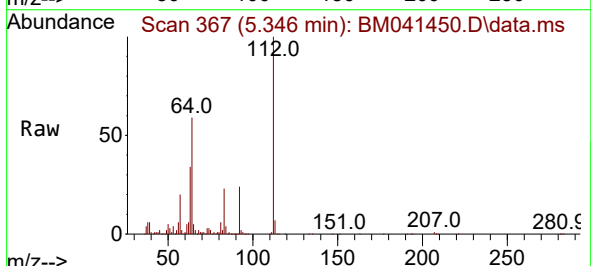
Tgt Ion:112 Resp: 1014921

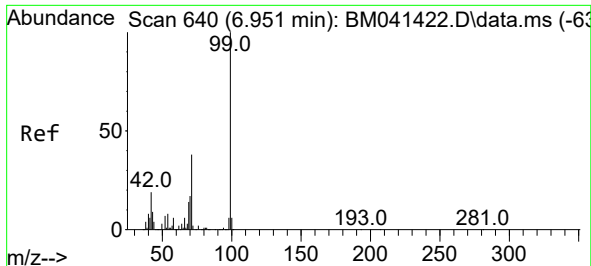
Ion Ratio Lower Upper

112 100

64 58.7 47.3 70.9

63 33.7 26.5 39.7

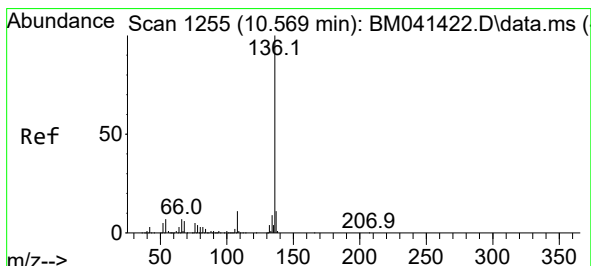
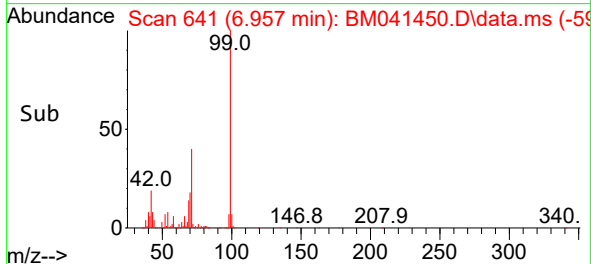
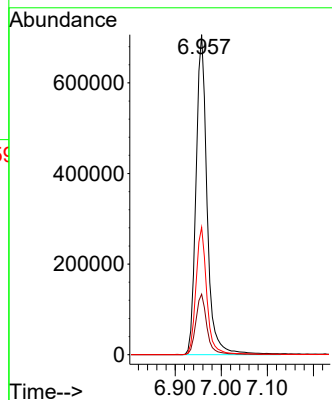
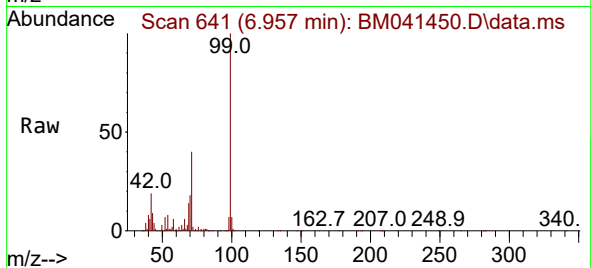




#7
Phenol-d6
Concen: 100.587 ng
RT: 6.957 min Scan# 641
Delta R.T. 0.000 min
Lab File: BM041450.D
Acq: 21 Aug 2023 16:20

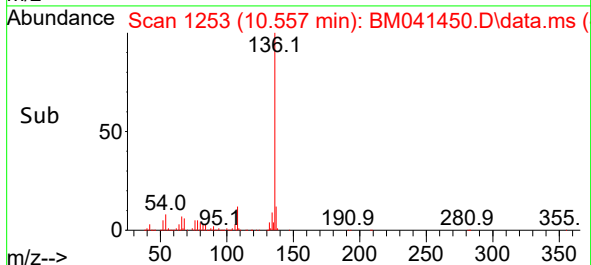
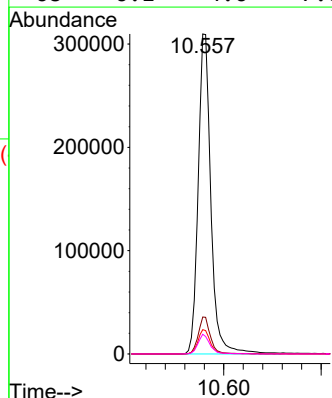
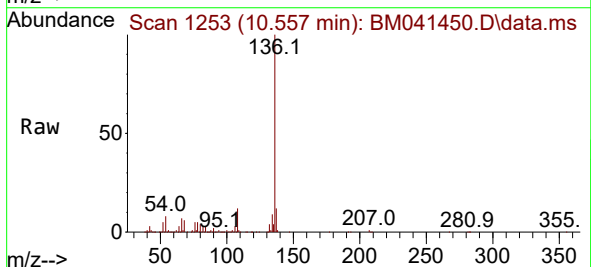
Instrument :
BNA_M
ClientSampleId :
217

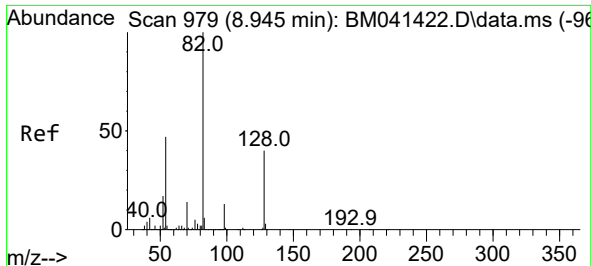
Tgt Ion: 99 Resp: 1178703
Ion Ratio Lower Upper
99 100
42 18.9 15.2 22.8
71 39.8 30.7 46.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BM041450.D
Acq: 21 Aug 2023 16:20

Tgt Ion:136 Resp: 563425
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 7.6 5.7 8.5
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 75.598 ng

RT: 8.939 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Instrument :

BNA_M

ClientSampleId :

217

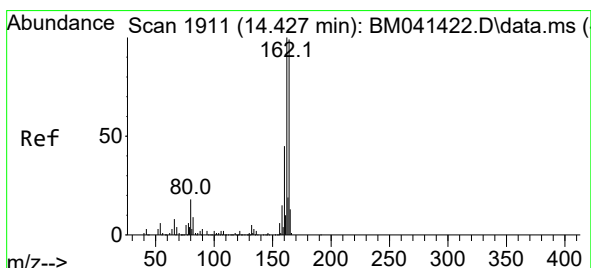
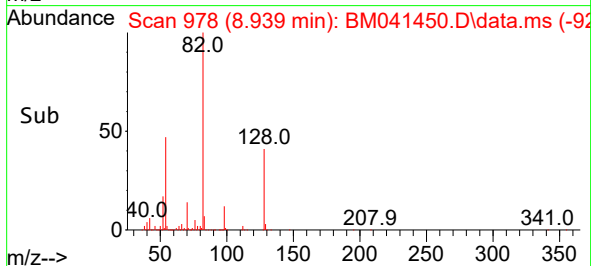
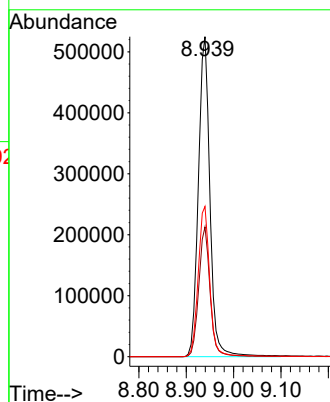
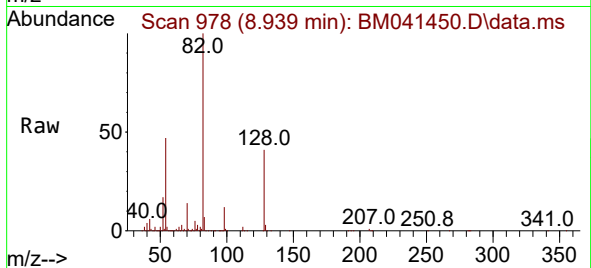
Tgt Ion: 82 Resp: 892280

Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.4

54 47.0 37.5 56.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.421 min Scan# 1910

Delta R.T. 0.006 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

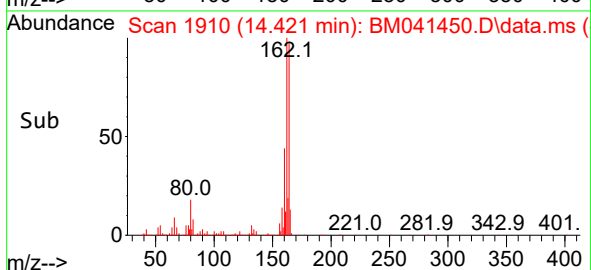
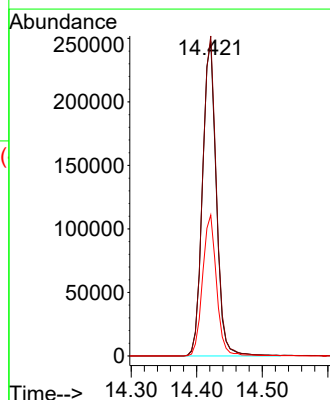
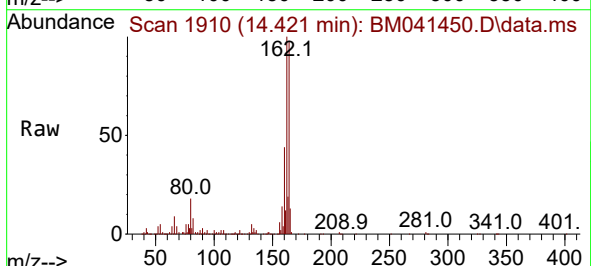
Tgt Ion: 164 Resp: 363857

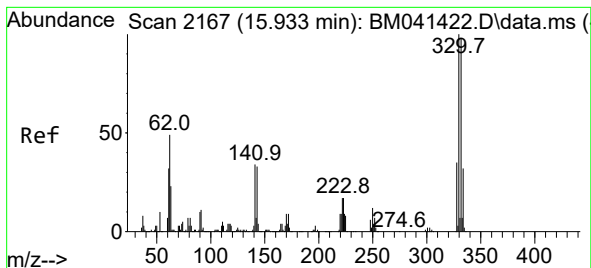
Ion Ratio Lower Upper

164 100

162 101.8 80.4 120.6

160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 110.829 ng

RT: 15.921 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Instrument :

BNA_M

ClientSampleId :

217

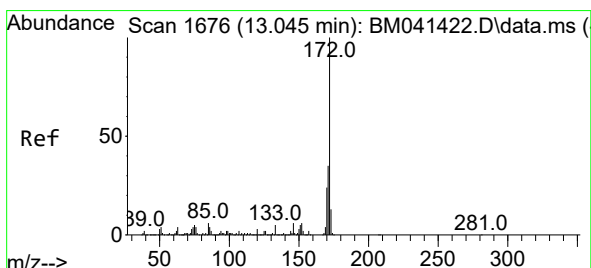
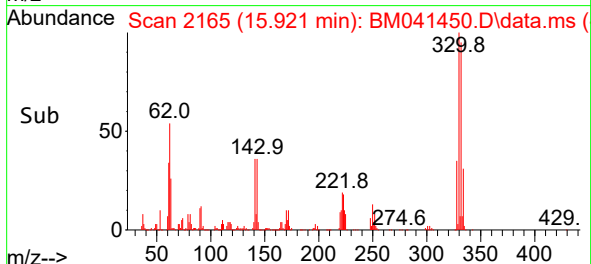
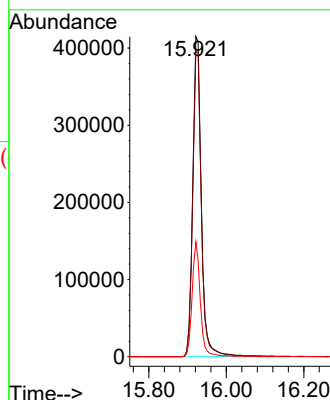
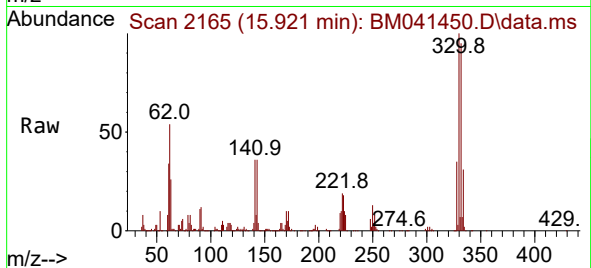
Tgt Ion:330 Resp: 639950

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 34.4 28.3 42.5



#45

2-Fluorobiphenyl

Concen: 75.045 ng

RT: 13.039 min Scan# 1675

Delta R.T. 0.006 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

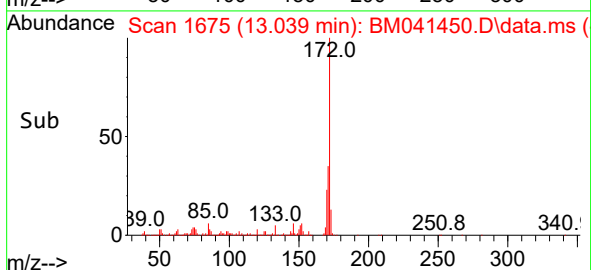
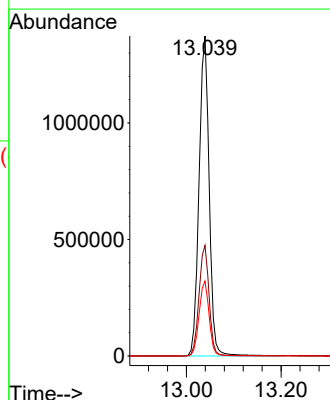
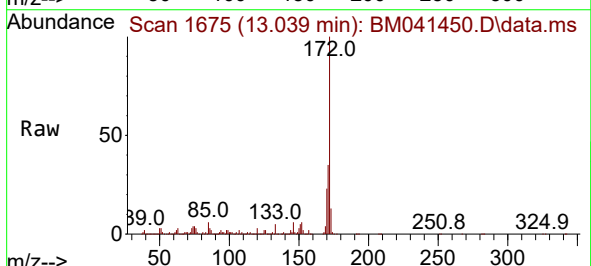
Tgt Ion:172 Resp: 2037696

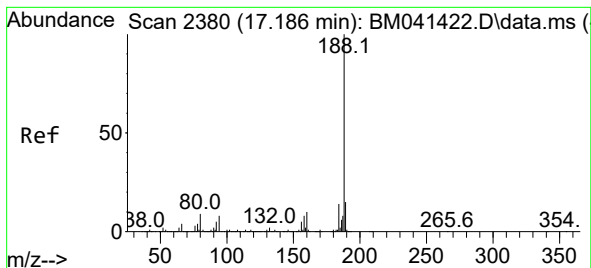
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Instrument :

BNA_M

ClientSampleId :

217

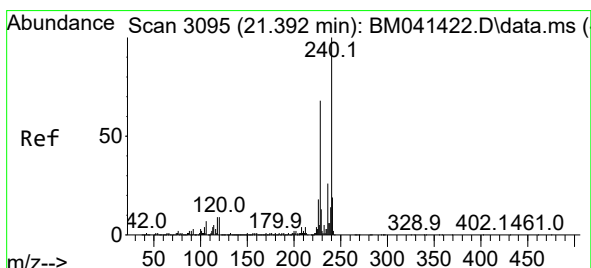
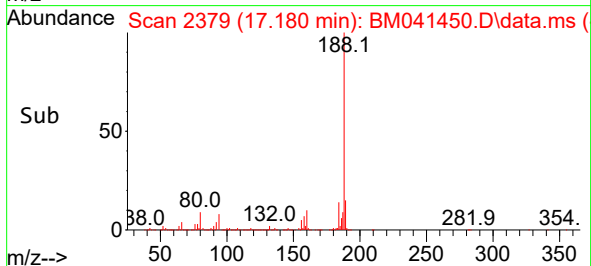
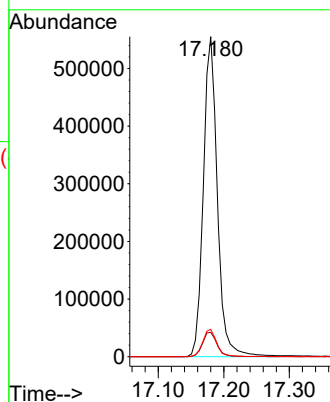
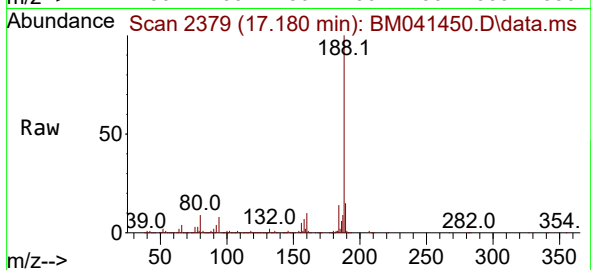
Tgt Ion:188 Resp: 826364

Ion Ratio Lower Upper

188 100

94 7.6 6.6 9.8

80 8.5 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

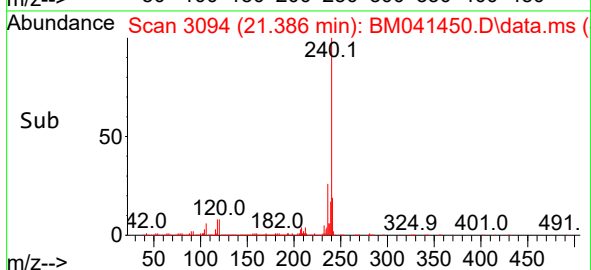
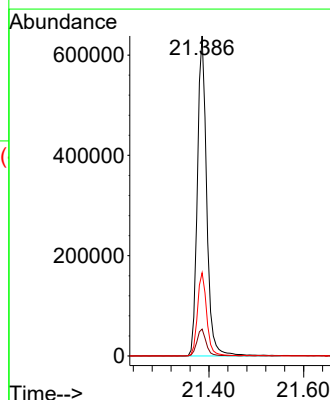
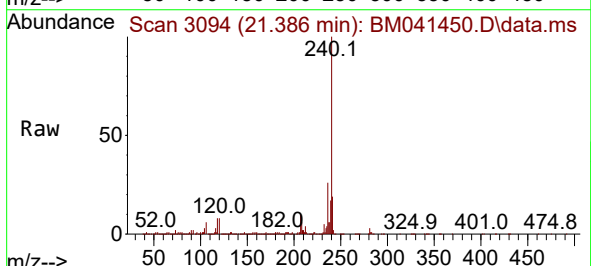
Tgt Ion:240 Resp: 872843

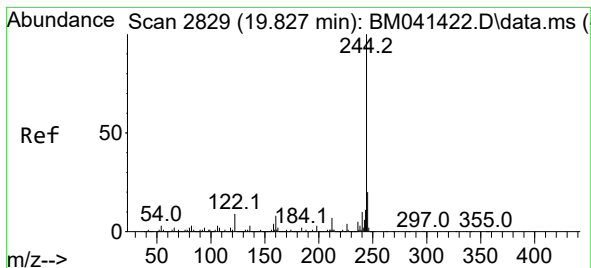
Ion Ratio Lower Upper

240 100

120 8.4 7.4 11.2

236 26.0 20.8 31.2





#79

Terphenyl-d14

Concen: 75.086 ng

RT: 19.821 min Scan# 217

Delta R.T. 0.006 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Instrument :

BNA_M

ClientSampleId :

217

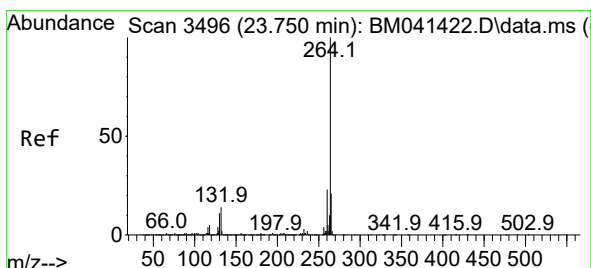
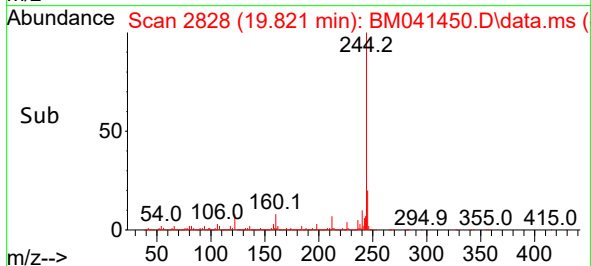
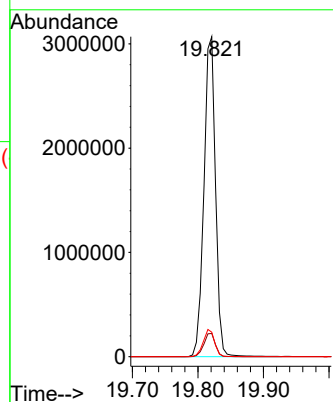
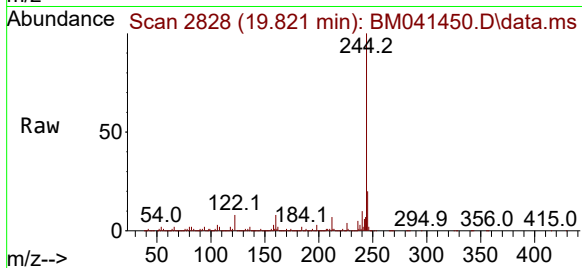
Tgt Ion:244 Resp: 3766182

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 7.6 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3492

Delta R.T. 0.000 min

Lab File: BM041450.D

Acq: 21 Aug 2023 16:20

Tgt Ion:264 Resp: 976728

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

265 22.3 17.5 26.3

