

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041451.D
 Acq On : 21 Aug 2023 16:58
 Operator : MA/JU
 Sample : 04082-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 362

Quant Time: Aug 22 03:37:40 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	163496	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	643702	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	418513	20.000	ng	0.00
64) Phenanthrene-d10	17.174	188	961041	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1005141	20.000	ng	0.00
86) Perylene-d12	23.727	264	1133542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1095649	111.482	ng	0.00
7) Phenol-d6	6.957	99	1313147	98.398	ng	0.00
23) Nitrobenzene-d5	8.940	82	946779	70.212	ng	0.00
42) 2,4,6-Tribromophenol	15.921	330	693753	104.456	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	2161311	69.202	ng	0.00
79) Terphenyl-d14	19.821	244	4159917	72.019	ng	0.00

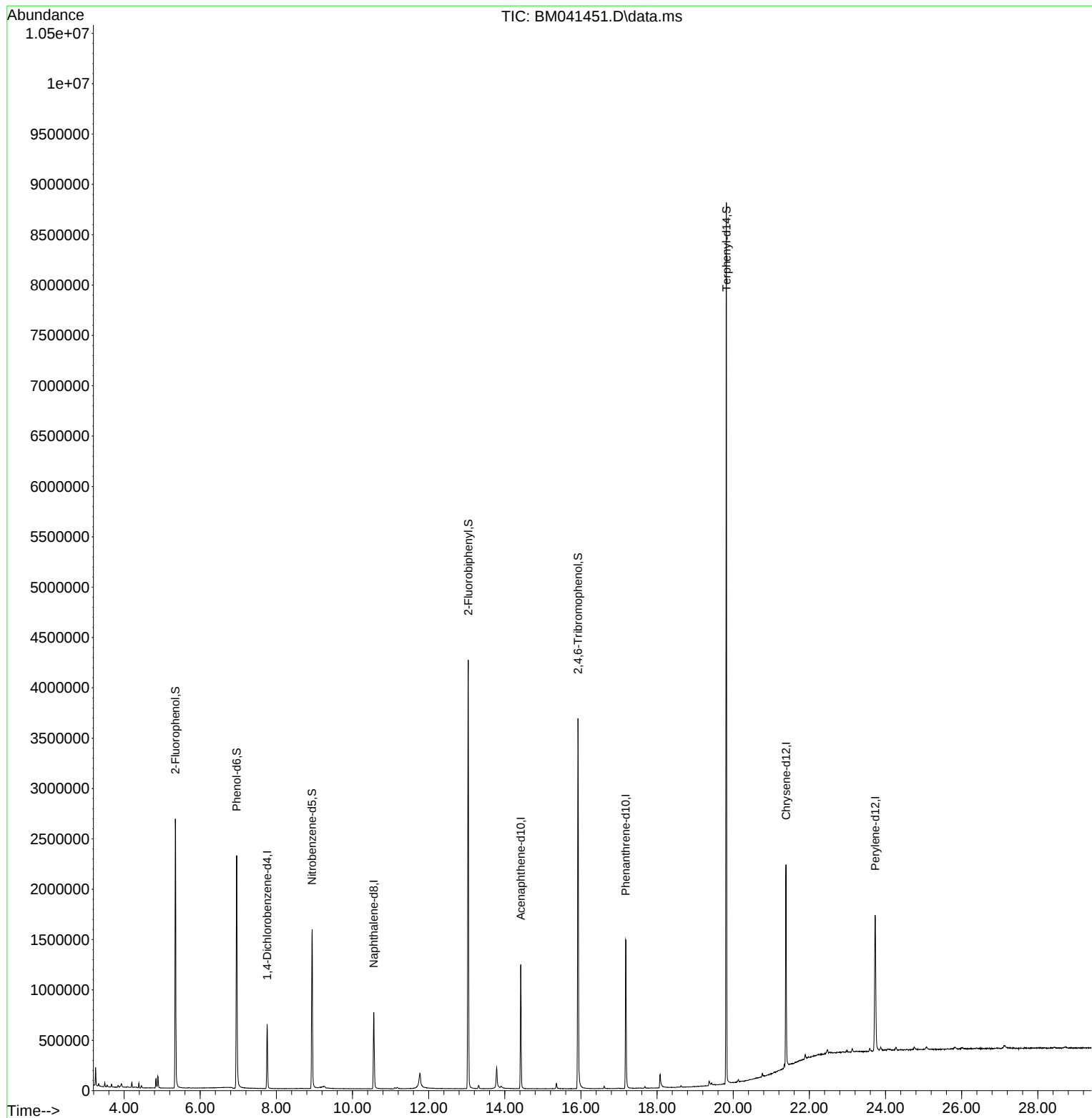
Target Compounds	Qvalue

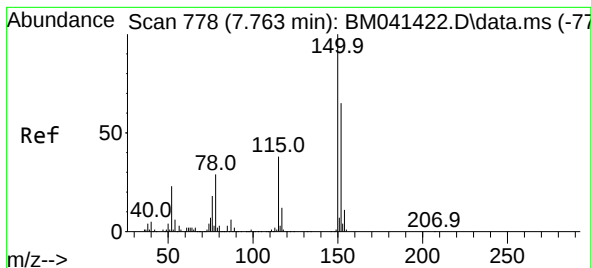
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM041451.D

Acq: 21 Aug 2023 16:58

Instrument :

BNA_M

ClientSampleId :

362

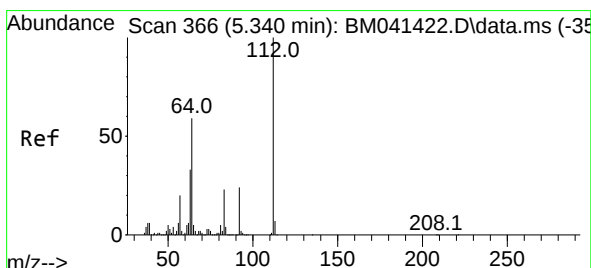
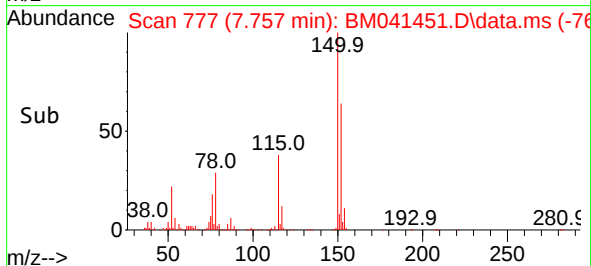
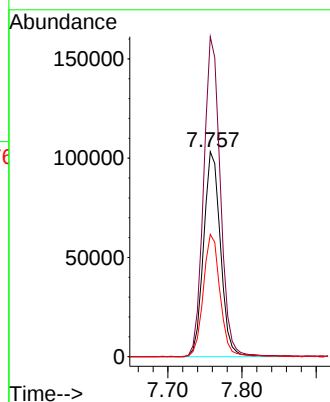
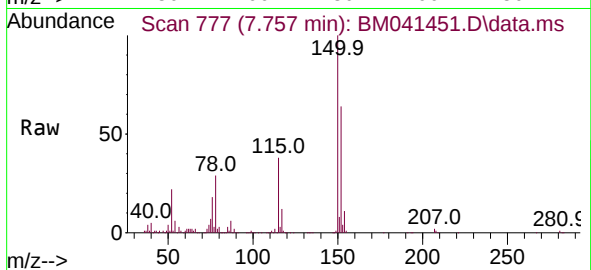
Tgt Ion:152 Resp: 163496

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

115 59.6 46.6 70.0



#5

2-Fluorophenol

Concen: 111.482 ng

RT: 5.346 min Scan# 367

Delta R.T. 0.000 min

Lab File: BM041451.D

Acq: 21 Aug 2023 16:58

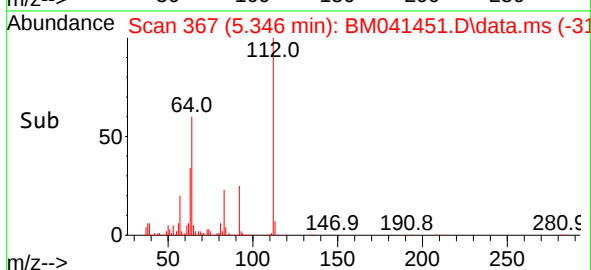
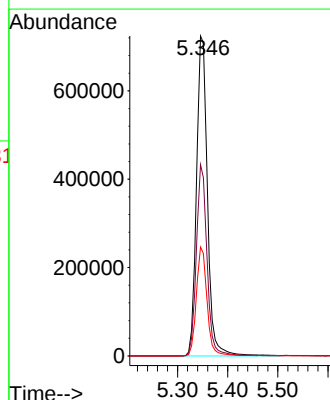
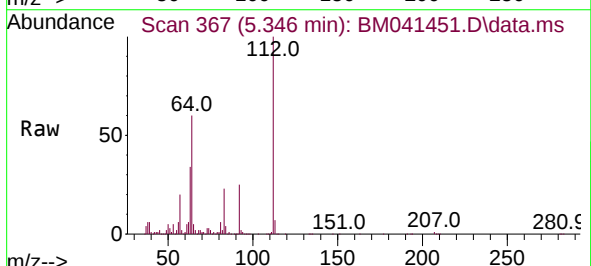
Tgt Ion:112 Resp: 1095649

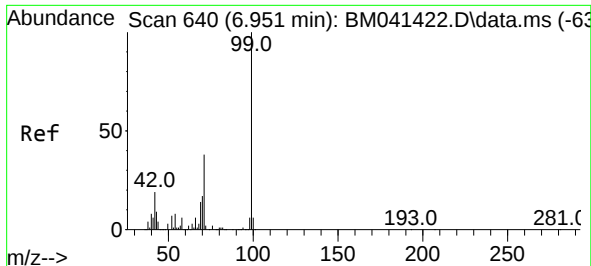
Ion Ratio Lower Upper

112 100

64 59.8 47.3 70.9

63 34.0 26.5 39.7

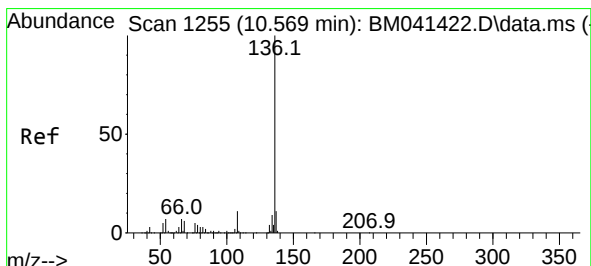
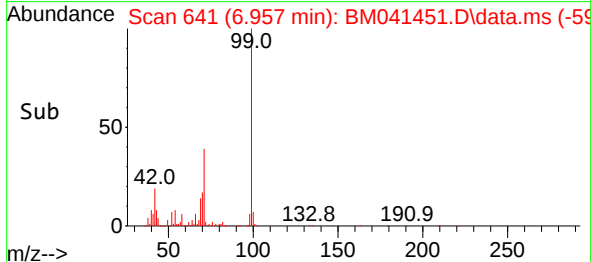
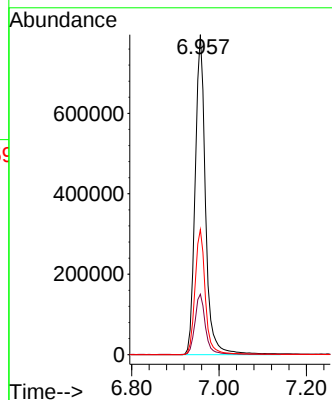
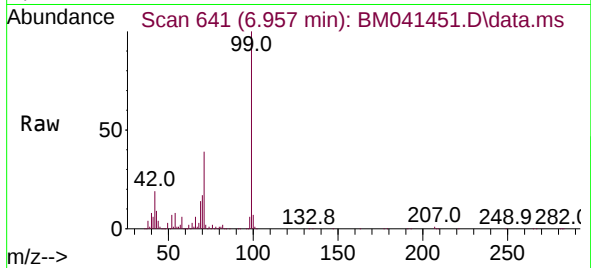




#7
Phenol-d6
Concen: 98.398 ng
RT: 6.957 min Scan# 641
Delta R.T. 0.000 min
Lab File: BM041451.D
Acq: 21 Aug 2023 16:58

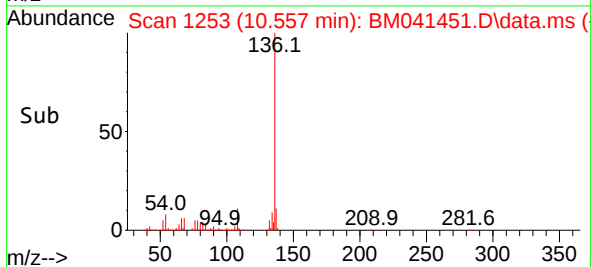
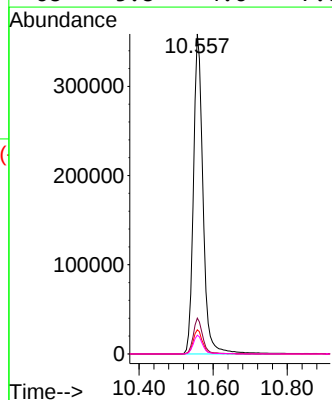
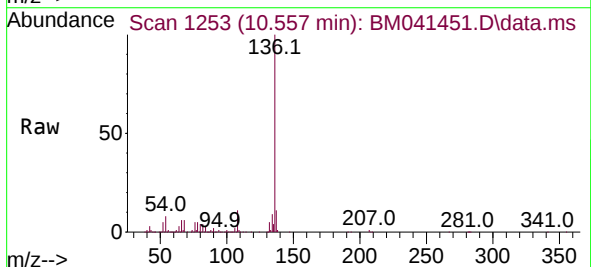
Instrument :
BNA_M
ClientSampleId :
362

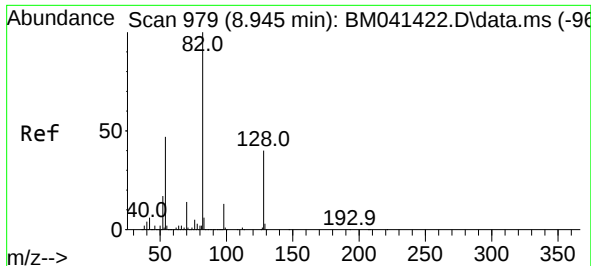
Tgt Ion: 99 Resp: 1313147
Ion Ratio Lower Upper
99 100
42 18.9 15.2 22.8
71 39.1 30.7 46.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BM041451.D
Acq: 21 Aug 2023 16:58

Tgt Ion: 136 Resp: 643702
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.6 5.7 8.5
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 70.212 ng

RT: 8.940 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM041451.D

Acq: 21 Aug 2023 16:58

Instrument :

BNA_M

ClientSampleId :

362

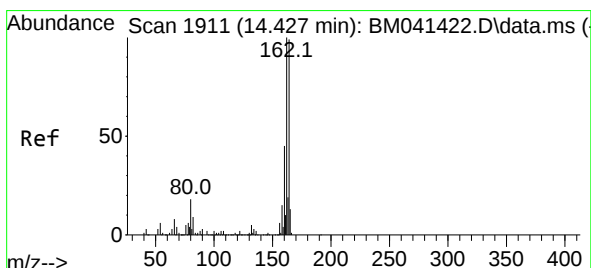
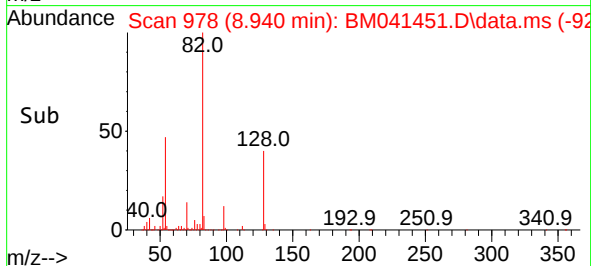
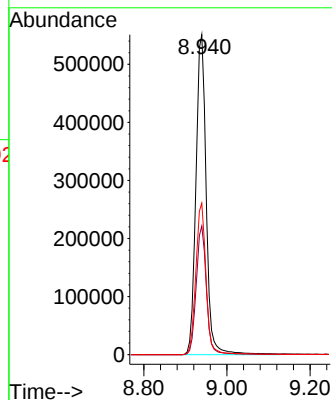
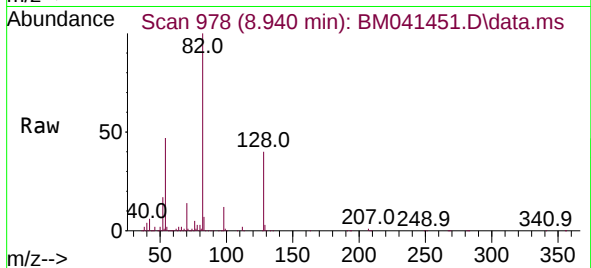
Tgt Ion: 82 Resp: 946779

Ion Ratio Lower Upper

82 100

128 40.2 32.2 48.4

54 47.3 37.5 56.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.422 min Scan# 1910

Delta R.T. 0.006 min

Lab File: BM041451.D

Acq: 21 Aug 2023 16:58

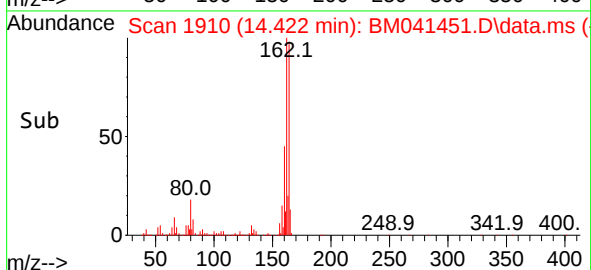
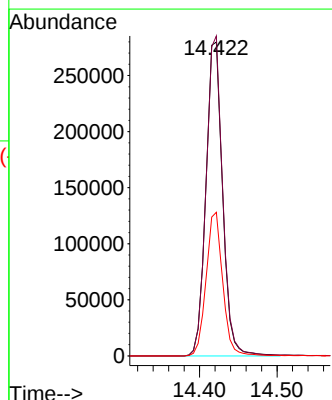
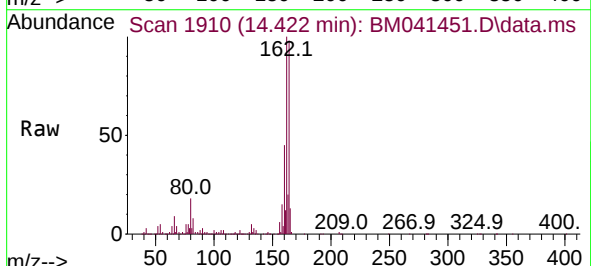
Tgt Ion: 164 Resp: 418513

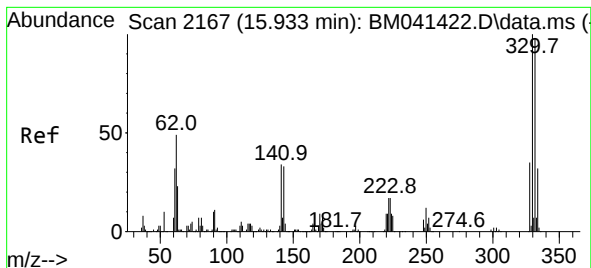
Ion Ratio Lower Upper

164 100

162 102.0 80.4 120.6

160 45.8 35.9 53.9

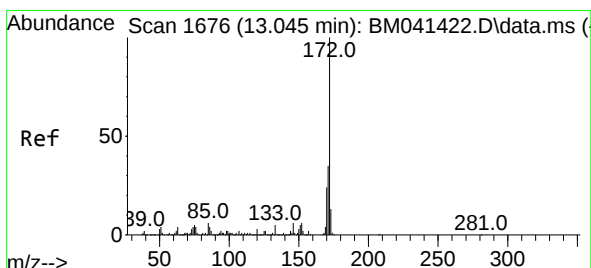
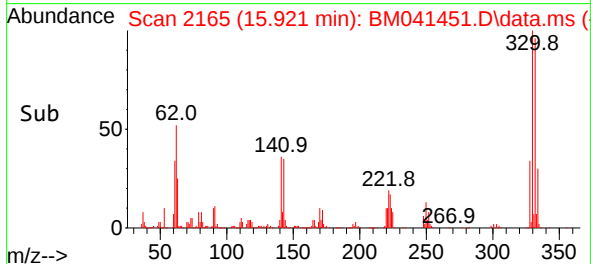
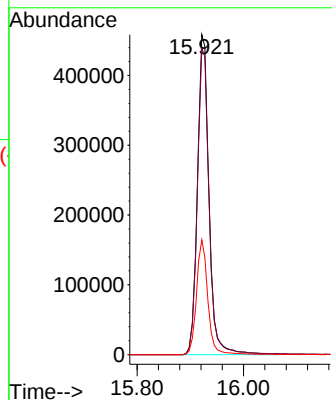
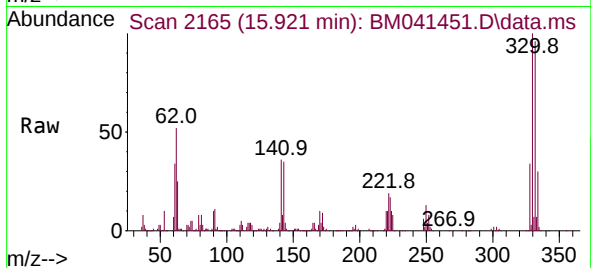




#42
2,4,6-Tribromophenol
Concen: 104.456 ng
RT: 15.921 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BM041451.D
Acq: 21 Aug 2023 16:58

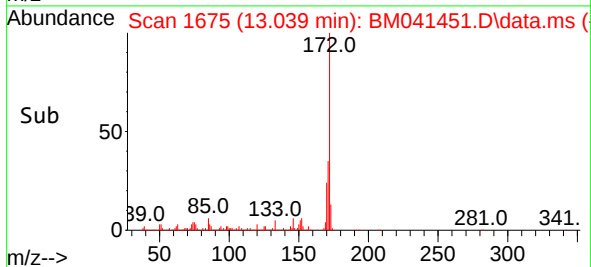
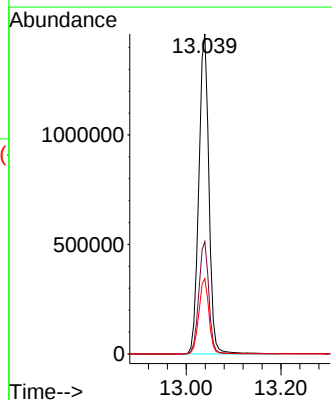
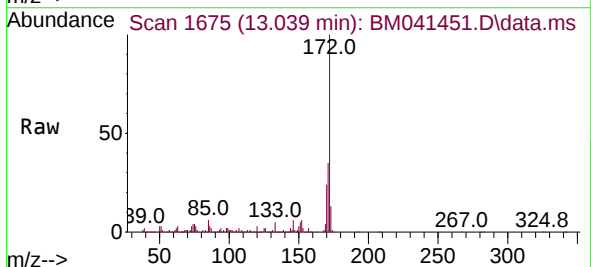
Instrument :
BNA_M
ClientSampleId :
362

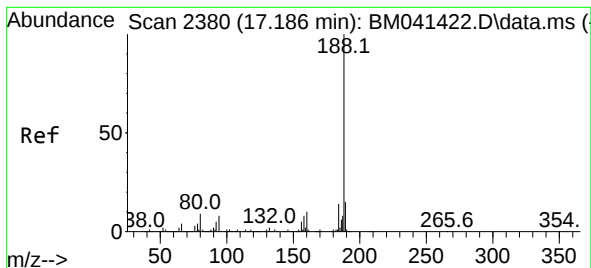
Tgt Ion:330 Resp: 693753
Ion Ratio Lower Upper
330 100
332 97.1 78.0 117.0
141 34.9 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 69.202 ng
RT: 13.039 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BM041451.D
Acq: 21 Aug 2023 16:58

Tgt Ion:172 Resp: 2161311
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.174 min Scan# 23

Delta R.T. 0.000 min

Lab File: BM041451.D

Acq: 21 Aug 2023 16:58

Instrument :

BNA_M

ClientSampleId :

362

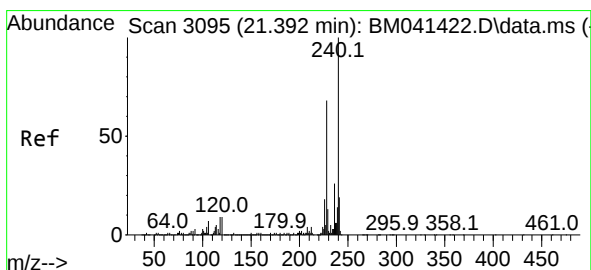
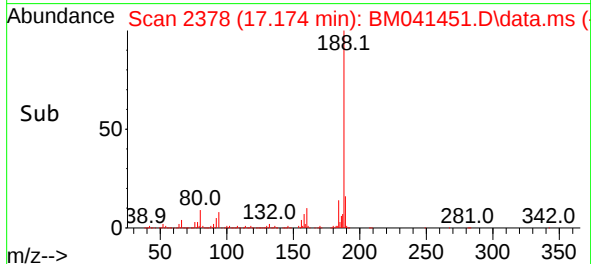
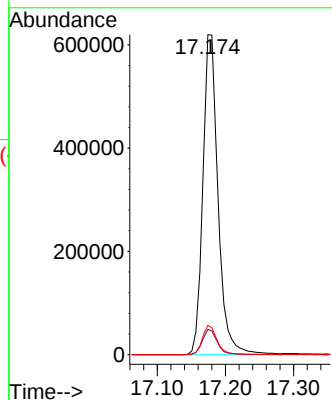
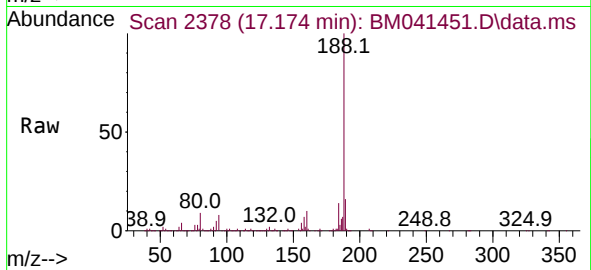
Tgt Ion:188 Resp: 961041

Ion Ratio Lower Upper

188 100

94 7.9 6.6 9.8

80 9.1 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: BM041451.D

Acq: 21 Aug 2023 16:58

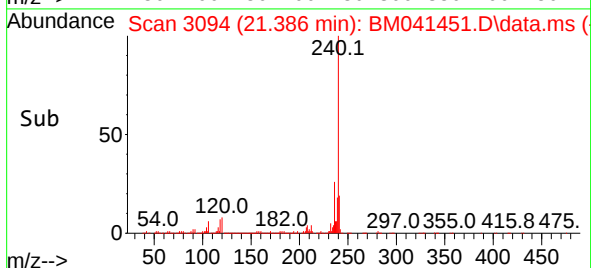
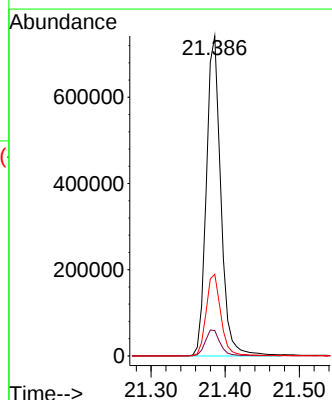
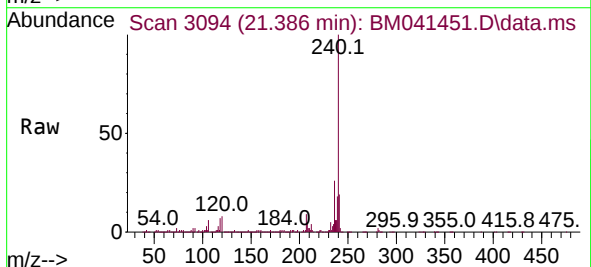
Tgt Ion:240 Resp: 1005141

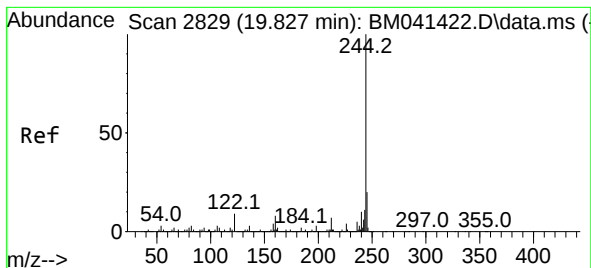
Ion Ratio Lower Upper

240 100

120 7.9 7.4 11.2

236 25.5 20.8 31.2





#79

Terphenyl-d14

Concen: 72.019 ng

RT: 19.821 min Scan# 2828

Delta R.T. 0.006 min

Lab File: BM041451.D

Acq: 21 Aug 2023 16:58

Instrument :

BNA_M

ClientSampleId :

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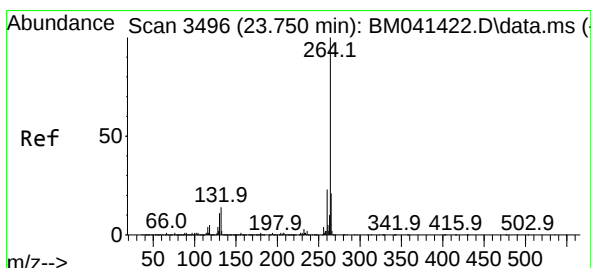
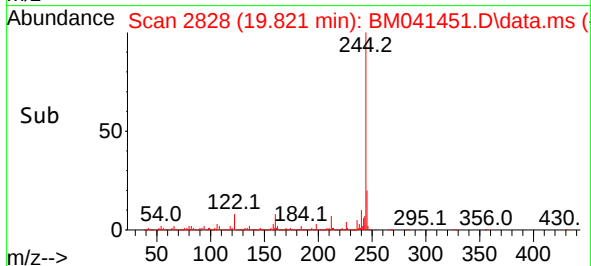
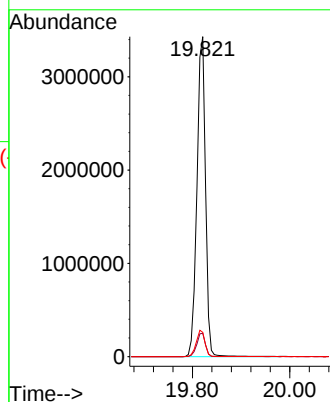
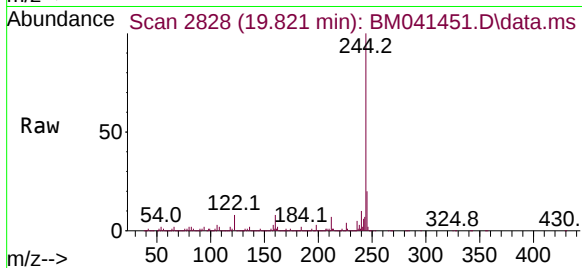
Tgt Ion:244 Resp: 4159917

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: BM041451.D

Acq: 21 Aug 2023 16:58

Tgt Ion:264 Resp: 1133542

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.5 17.5 26.3

