

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061323\
 Data File : BM040231.D
 Acq On : 13 Jun 2023 18:49
 Operator : MA/JU
 Sample : 03047-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-41

Quant Time: Jun 13 22:55:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 22:36:11 2023
 Response via : Initial Calibration

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

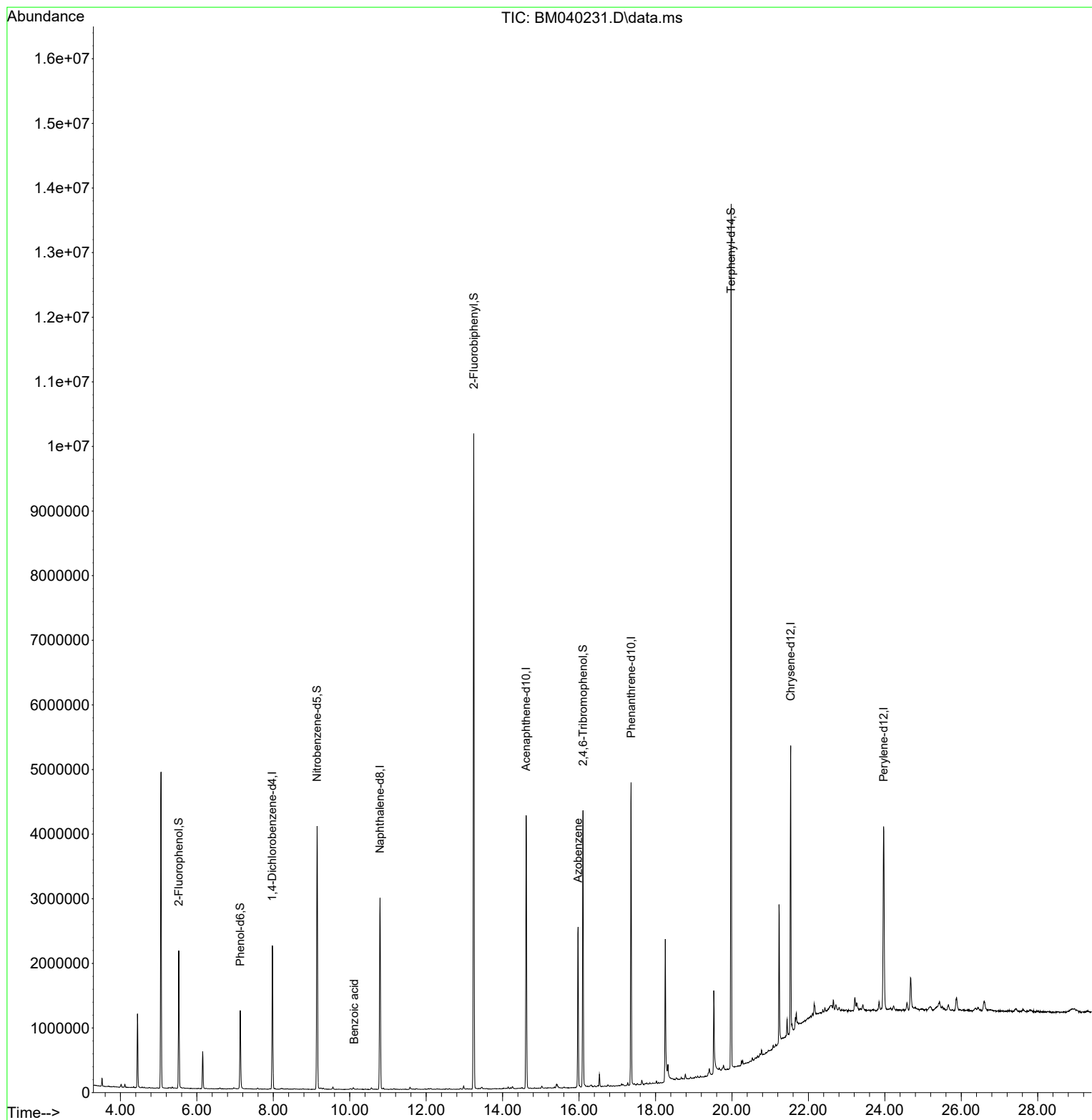
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	569414	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	2372594	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	1342340	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	2581203	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1891665	20.000	ng	0.00
86) Perylene-d12	23.968	264	1965108	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	874718	23.818	ng	0.00
7) Phenol-d6	7.134	99	677902	13.539	ng	0.00
23) Nitrobenzene-d5	9.145	82	2219348	48.981	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	689413	36.816	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4790487	48.985	ng	0.00
79) Terphenyl-d14	19.980	244	5978352	61.409	ng	0.00
Target Compounds						
32) Benzoic acid	10.116	122	387	5.883	ng	# 1
63) Azobenzene	15.974	77	701976	6.369	ng	# 1

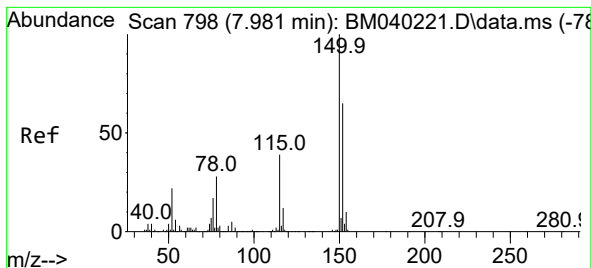
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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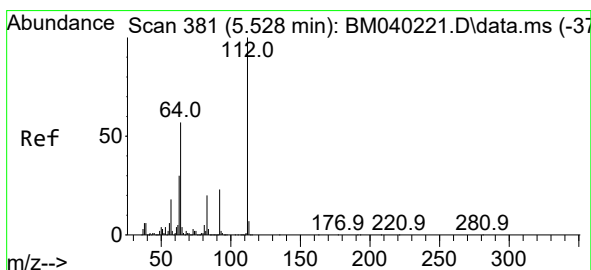
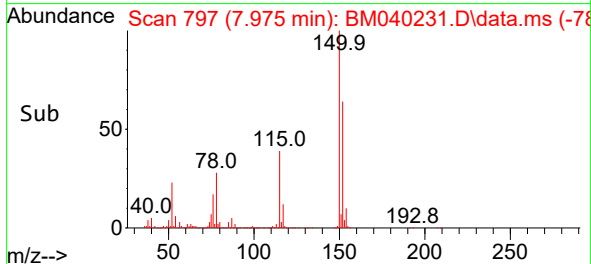
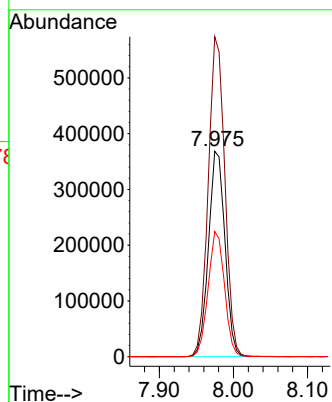
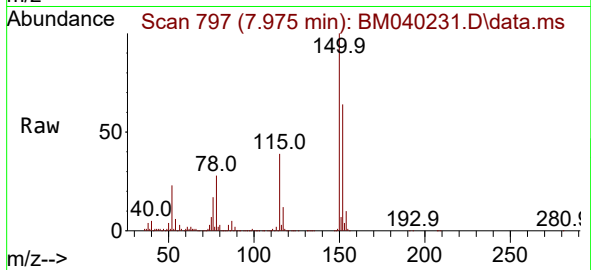




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 798
Delta R.T. -0.006 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

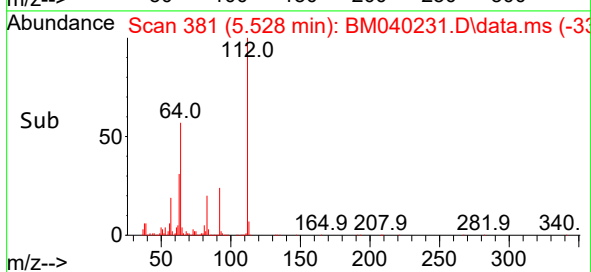
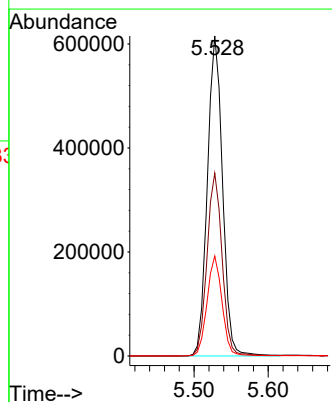
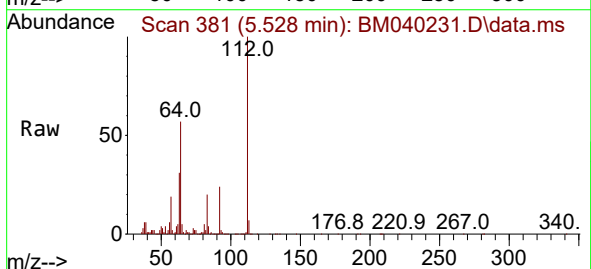
Instrument :
BNA_M
ClientSampleId :
MW-41

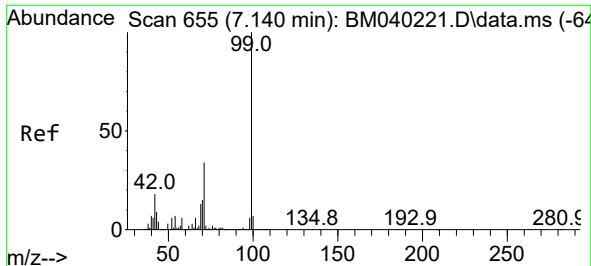
Tgt Ion:152 Resp: 569414
Ion Ratio Lower Upper
152 100
150 155.8 122.5 183.7
115 61.0 47.9 71.9



#5
2-Fluorophenol
Concen: 23.818 ng
RT: 5.528 min Scan# 381
Delta R.T. -0.000 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

Tgt Ion:112 Resp: 874718
Ion Ratio Lower Upper
112 100
64 57.2 45.2 67.8
63 31.2 24.2 36.4

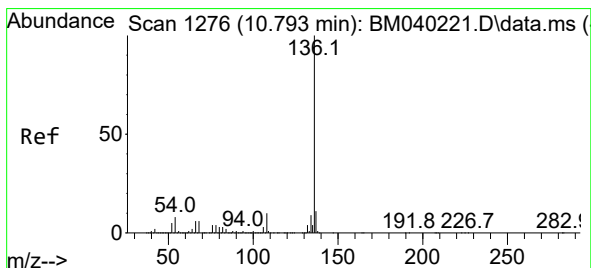
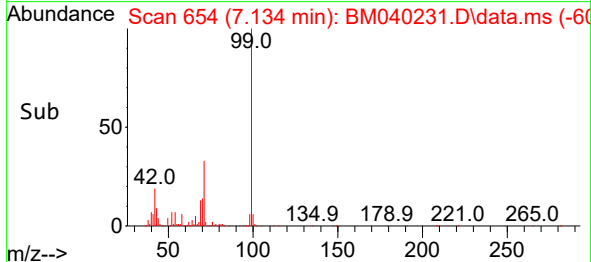
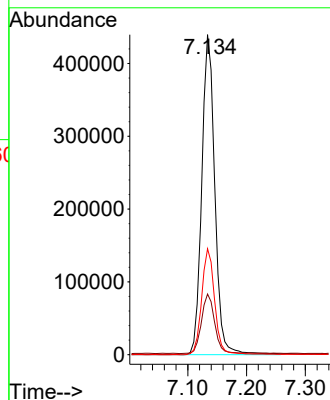
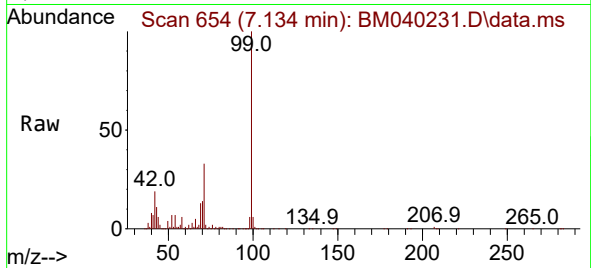




#7
Phenol-d6
Concen: 13.539 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

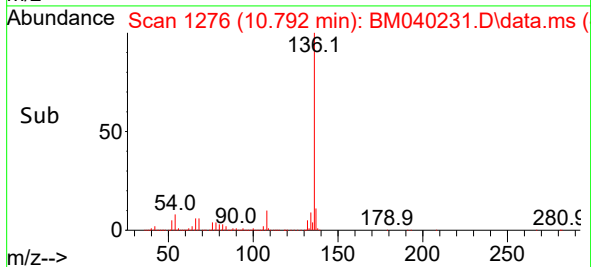
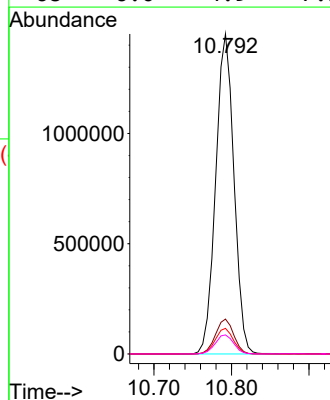
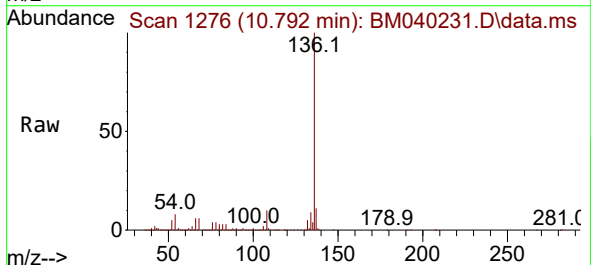
Instrument :
BNA_M
ClientSampleId :
MW-41

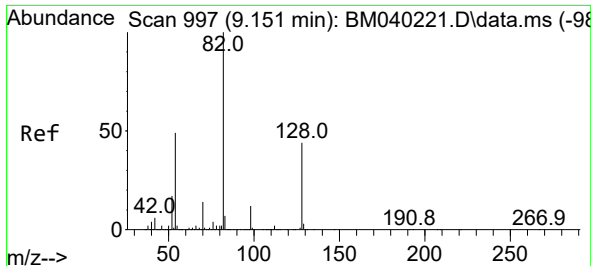
Tgt Ion: 99 Resp: 677902
Ion Ratio Lower Upper
99 100
42 18.9 14.5 21.7
71 33.1 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

Tgt Ion: 136 Resp: 2372594
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.0 6.2 9.4
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 48.981 ng

RT: 9.145 min Scan# 996

Delta R.T. -0.006 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

Instrument :

BNA_M

ClientSampleId :

MW-41

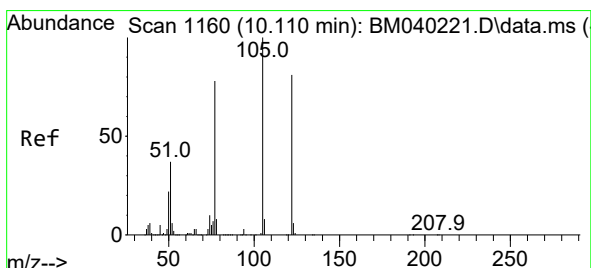
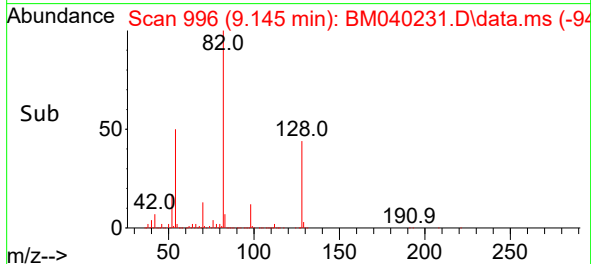
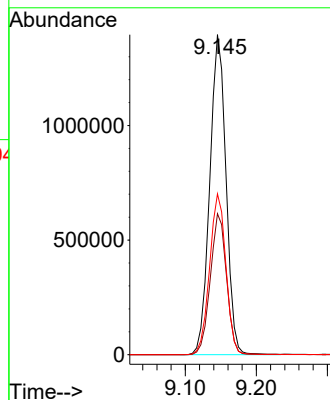
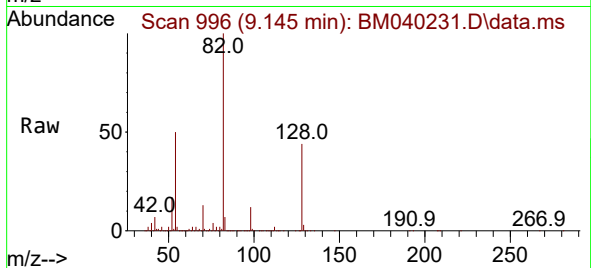
Tgt Ion: 82 Resp: 2219348

Ion Ratio Lower Upper

82 100

128 44.1 35.3 52.9

54 50.3 39.5 59.3



#32

Benzoic acid

Concen: 5.883 ng

RT: 10.116 min Scan# 1161

Delta R.T. 0.006 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

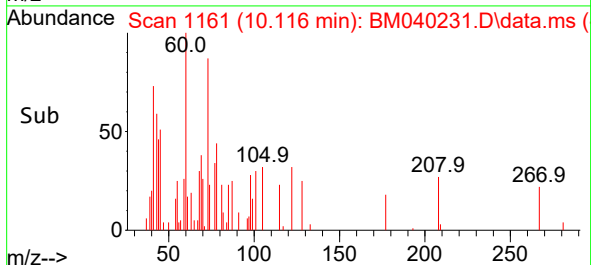
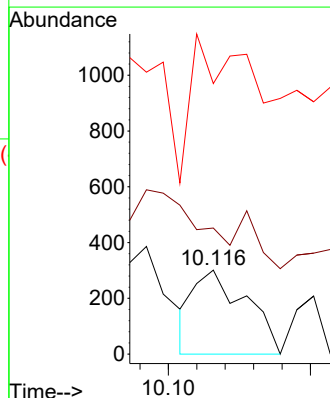
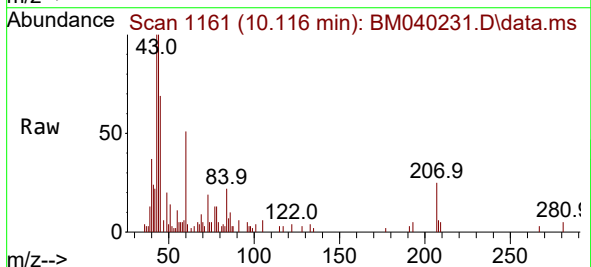
Tgt Ion:122 Resp: 387

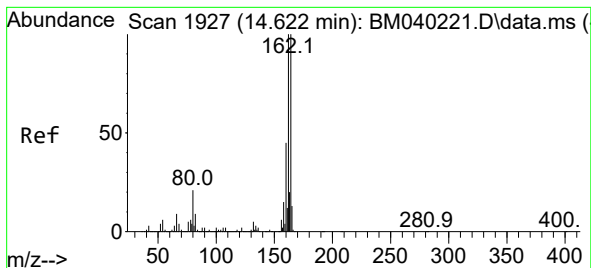
Ion Ratio Lower Upper

122 100

105 150.2 100.4 140.4#

77 322.3 75.0 115.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.616 min Scan# 1926

Delta R.T. -0.006 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

Instrument :

BNA_M

ClientSampleId :

MW-41

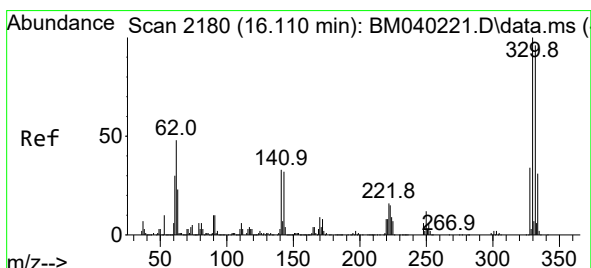
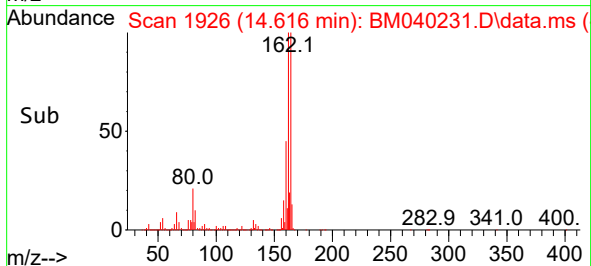
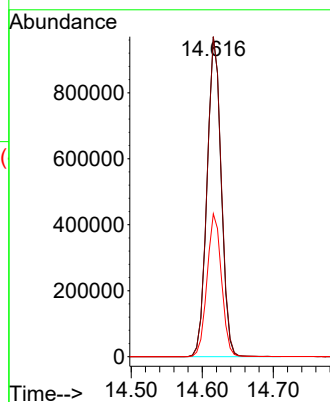
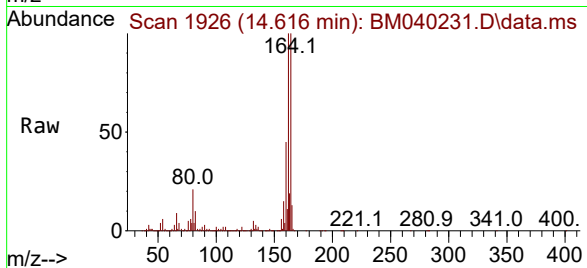
Tgt Ion:164 Resp: 1342340

Ion Ratio Lower Upper

164 100

162 100.0 79.9 119.9

160 44.7 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 36.816 ng

RT: 16.104 min Scan# 2179

Delta R.T. -0.006 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

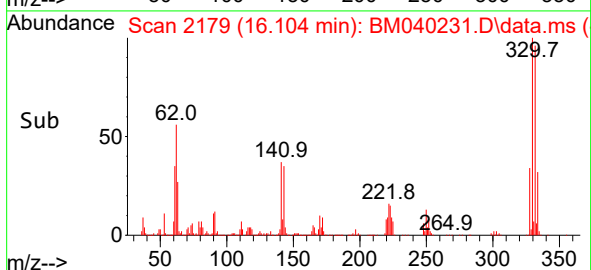
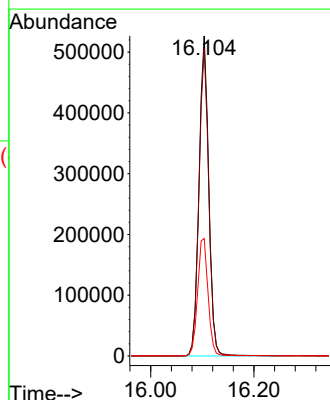
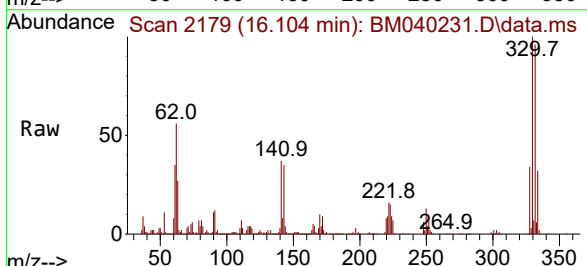
Tgt Ion:330 Resp: 689413

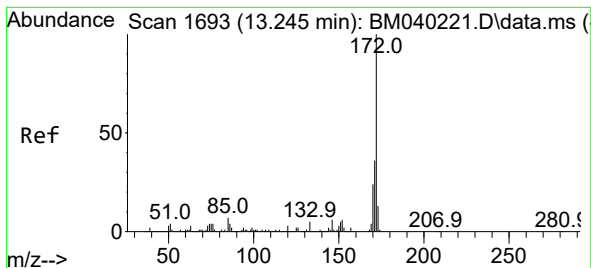
Ion Ratio Lower Upper

330 100

332 96.2 77.5 116.3

141 39.1 30.0 45.0

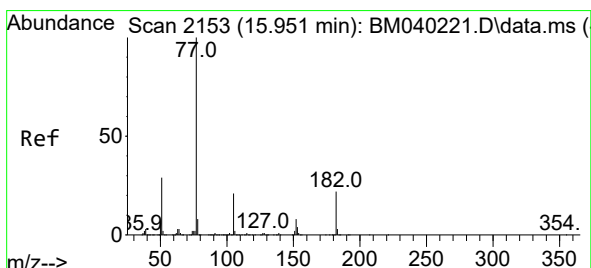
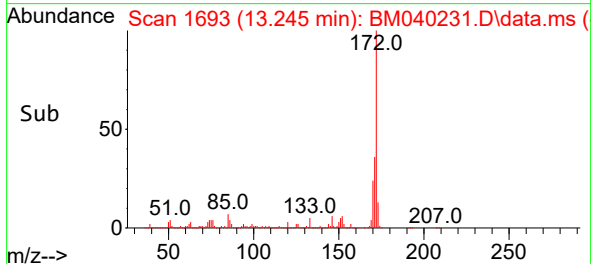
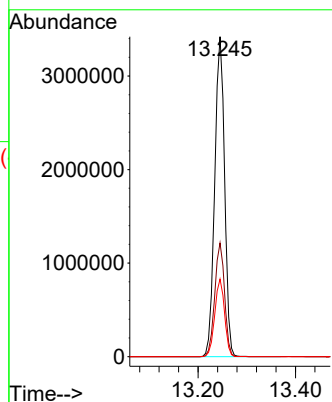
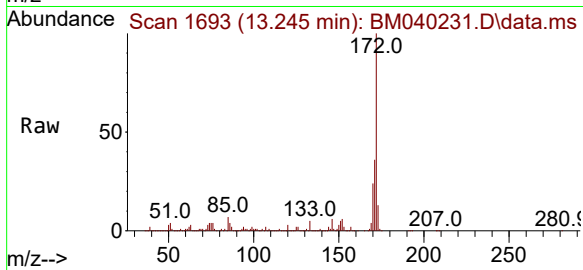




#45
2-Fluorobiphenyl
Concen: 48.985 ng
RT: 13.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

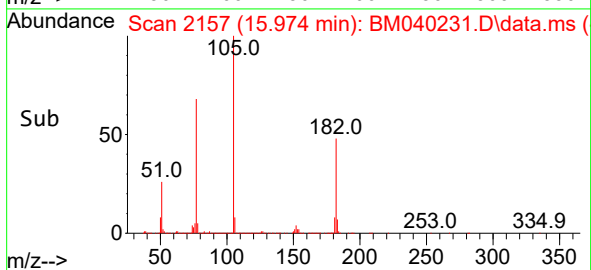
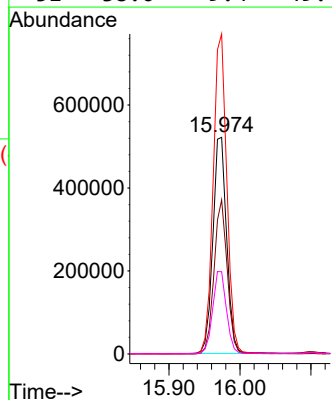
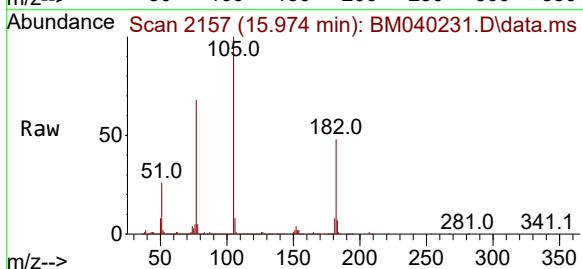
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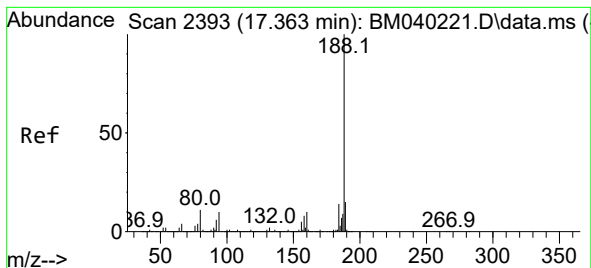
Tgt Ion:172 Resp: 4790487
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 24.3 19.5 29.3



#63
Azobenzene
Concen: 6.369 ng
RT: 15.974 min Scan# 2157
Delta R.T. 0.023 min
Lab File: BM040231.D
Acq: 13 Jun 2023 18:49

Tgt Ion: 77 Resp: 701976
Ion Ratio Lower Upper
77 100
182 71.1 2.1 42.1#
105 147.7 1.2 41.2#
51 38.0 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

Instrument :

BNA_M

ClientSampleId :

MW-41

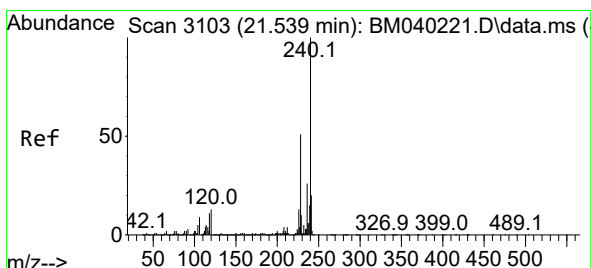
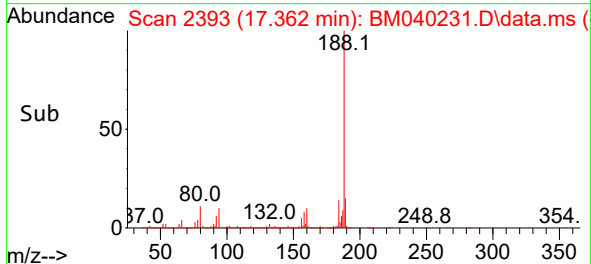
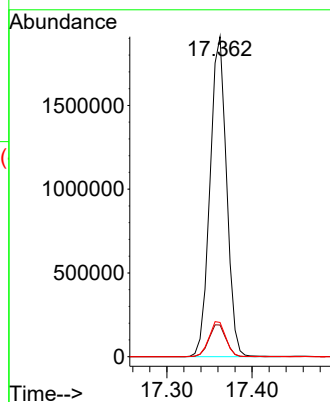
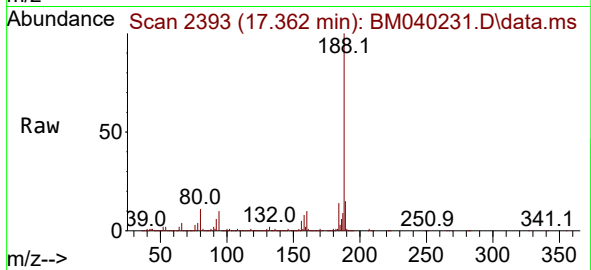
Tgt Ion:188 Resp: 2581203

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.7 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

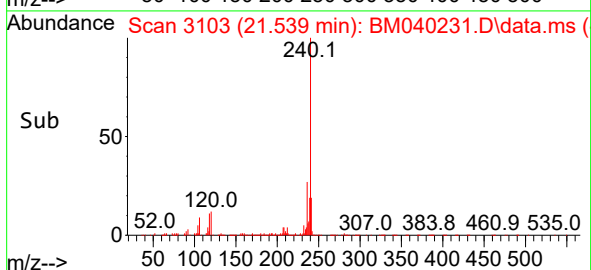
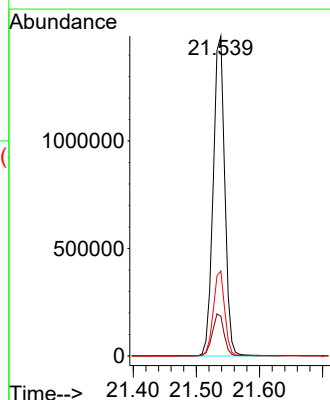
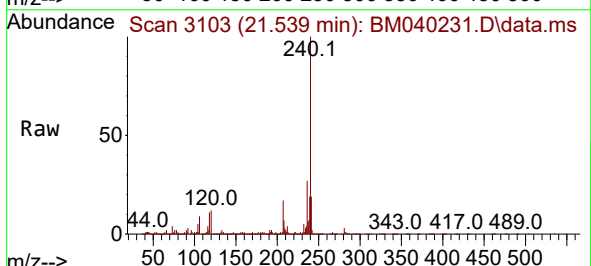
Tgt Ion:240 Resp: 1891665

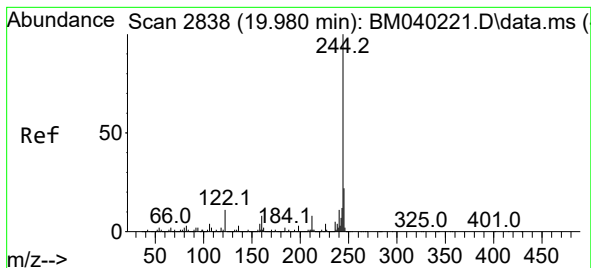
Ion Ratio Lower Upper

240 100

120 12.5 10.1 15.1

236 26.6 21.0 31.4





#79

Terphenyl-d14

Concen: 61.409 ng

RT: 19.980 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

Instrument :

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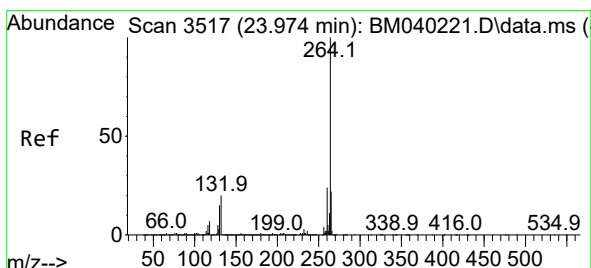
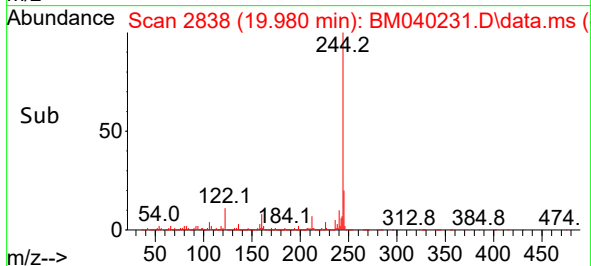
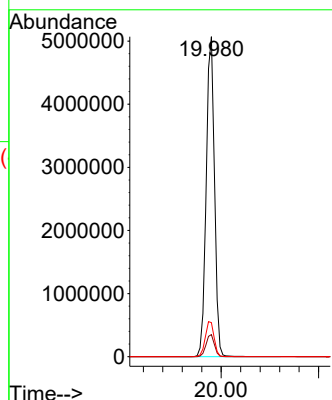
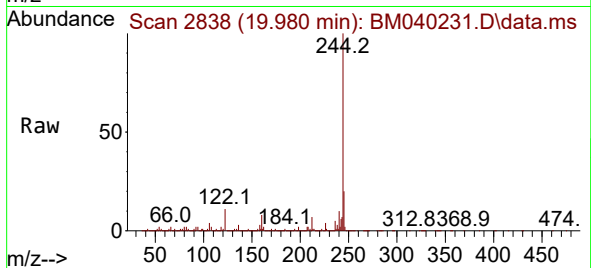
Tgt Ion:244 Resp: 5978352

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.7 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.968 min Scan# 3516

Delta R.T. -0.006 min

Lab File: BM040231.D

Acq: 13 Jun 2023 18:49

Tgt Ion:264 Resp: 1965108

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.8 17.5 26.3

