

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039026.D
 Acq On : 16 Mar 2023 21:22
 Operator : CG/JU
 Sample : 01923-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 05:56:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

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

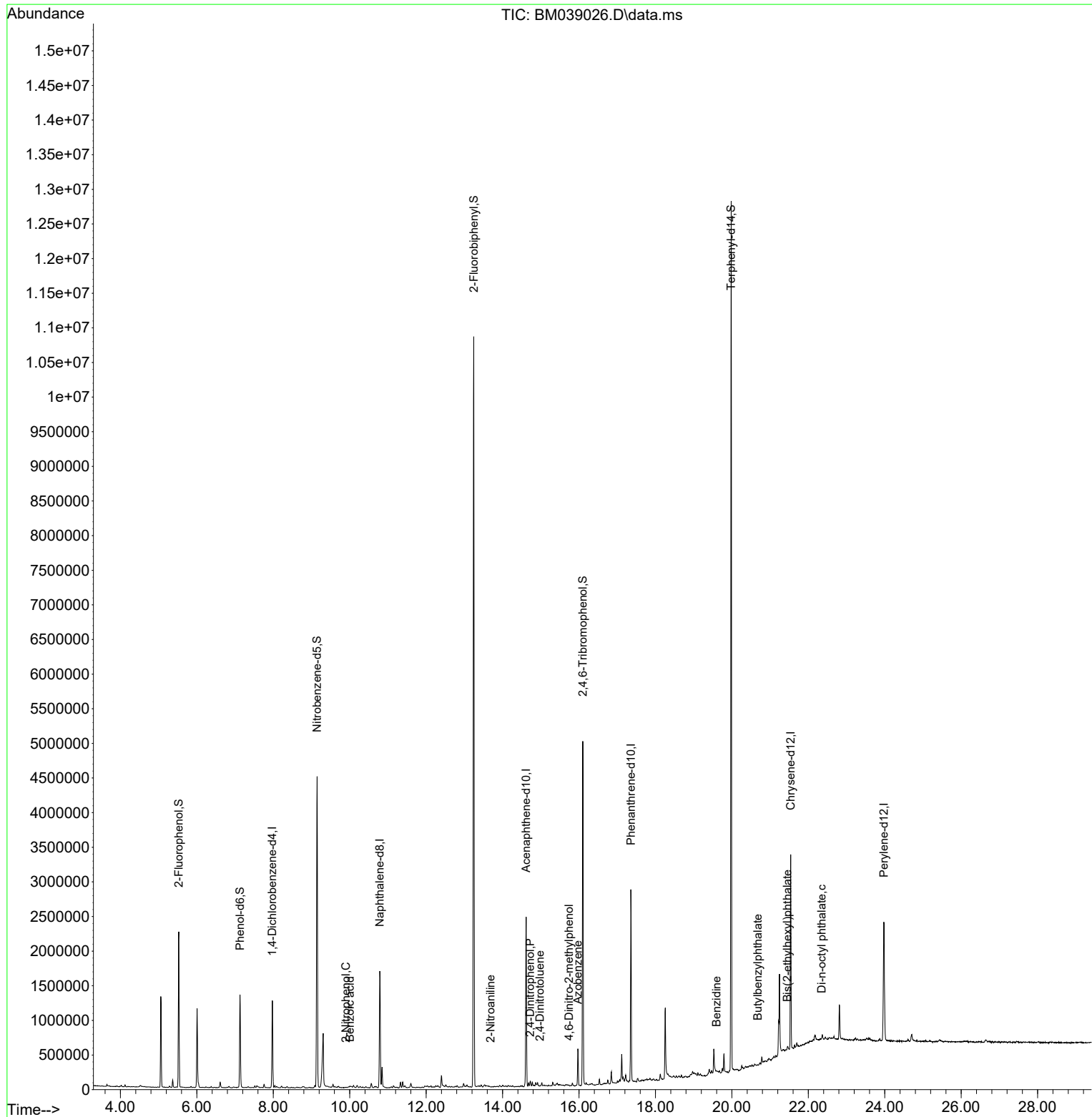
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	314580	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	1337395	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	771943	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	1529409	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1243167	20.000	ng	0.00
86) Perylene-d12	23.974	264	1256450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	917462	44.310	ng	0.00
7) Phenol-d6	7.128	99	709364	26.376	ng	0.00
23) Nitrobenzene-d5	9.145	82	2483735	91.225	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	739701	82.832	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	5159686	87.012	ng	0.00
79) Terphenyl-d14	19.980	244	5517084	81.140	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.898	139	479	3.026	ng	# 51
32) Benzoic acid	10.004	122	5904	6.057	ng	91
48) 2-Nitroaniline	13.686	65	113	2.222	ng	# 6
54) 2,4-Dinitrophenol	14.722	184	187	5.214	ng	# 40
57) 2,4-Dinitrotoluene	14.974	165	301	2.088	ng	# 14
63) Azobenzene	15.969	77	151271	2.474	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.733	198	55	5.093	ng	# 1
77) Benzidine	19.598	184	314	4.886	ng	# 1
80) Butylbenzylphthalate	20.674	149	3015	3.387	ng	# 50
84) Bis(2-ethylhexyl)phtha...	21.451	149	13701	2.711	ng	97
85) Di-n-octyl phthalate	22.350	149	628	3.803	ng	# 77

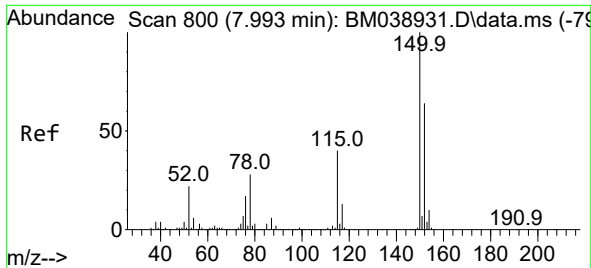
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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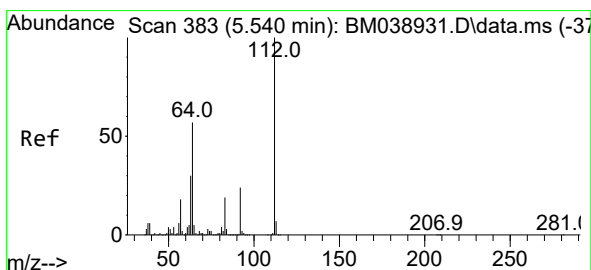
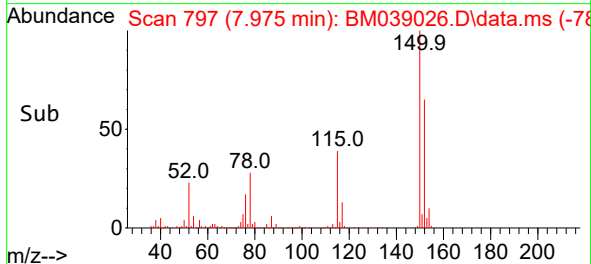
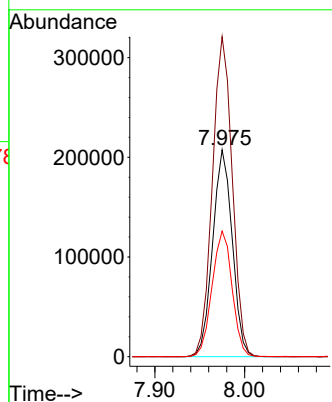
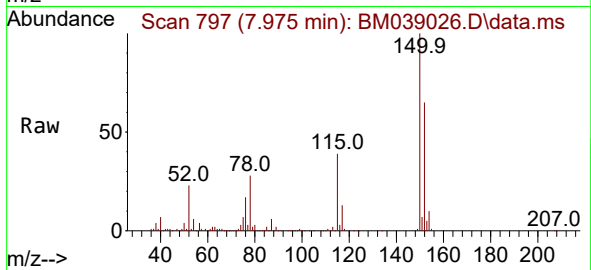




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 79
Delta R.T. -0.000 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

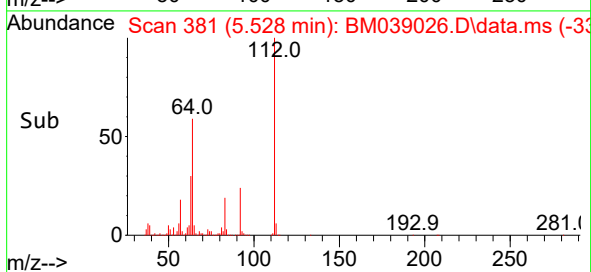
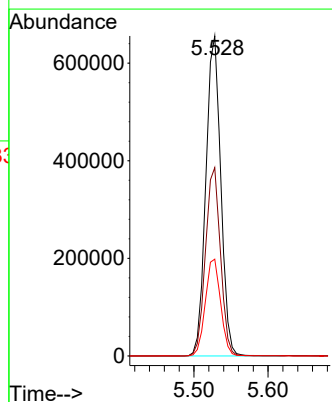
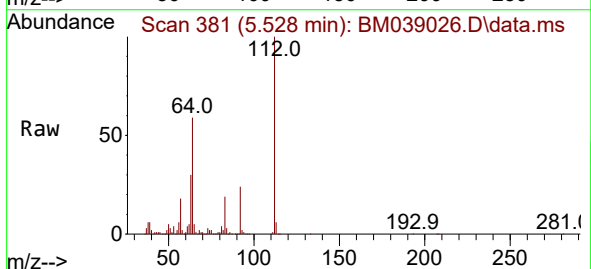
Instrument :
BNA_M
ClientSampleId :

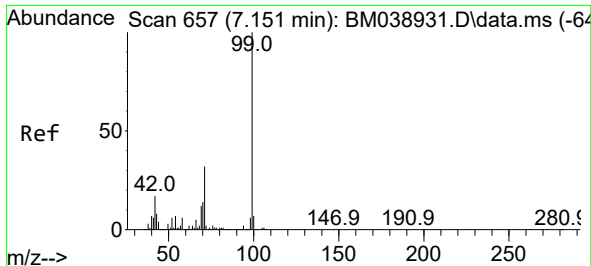
Tgt Ion:152 Resp: 314580
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 60.8 49.6 74.4



#5
2-Fluorophenol
Concen: 44.310 ng
RT: 5.528 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Tgt Ion:112 Resp: 917462
Ion Ratio Lower Upper
112 100
64 58.9 45.9 68.9
63 30.2 23.8 35.8

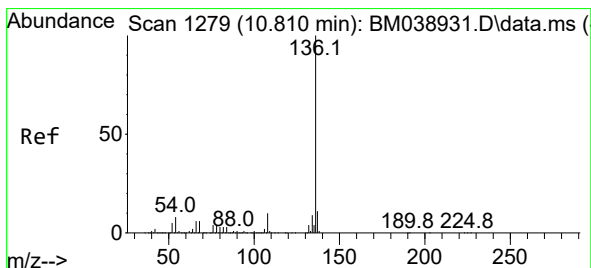
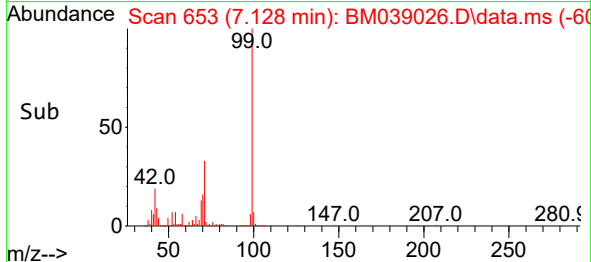
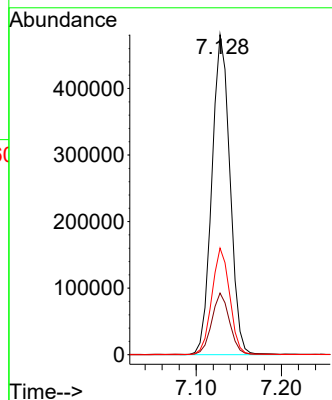
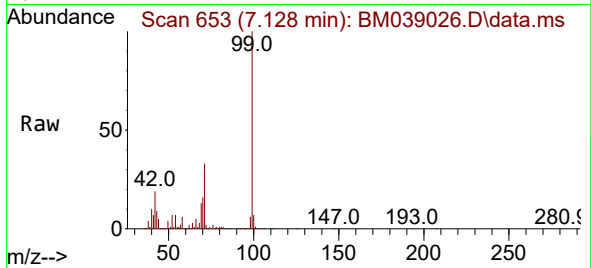




#7
Phenol-d6
Concen: 26.376 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

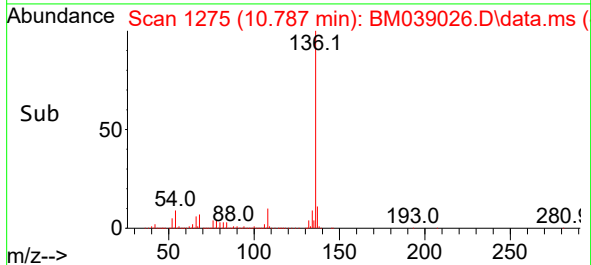
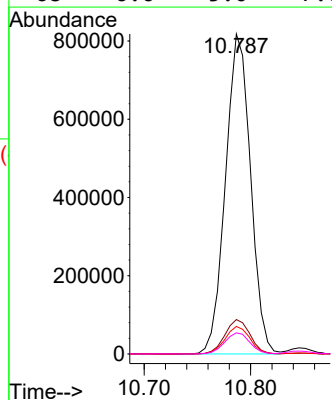
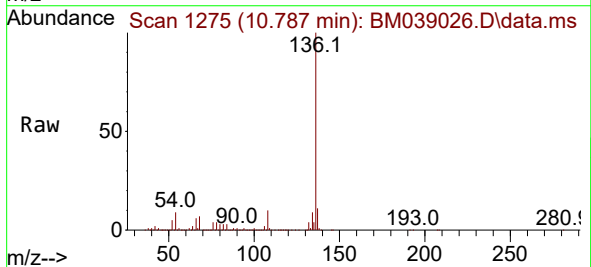
Instrument :
BNA_M
ClientSampleId :

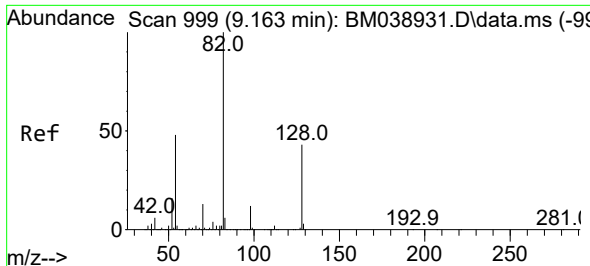
Tgt Ion: 99 Resp: 709364
Ion Ratio Lower Upper
99 100
42 19.3 13.5 20.3
71 33.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Tgt Ion:136 Resp: 1337395
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 8.6 6.3 9.5
68 6.6 5.0 7.6

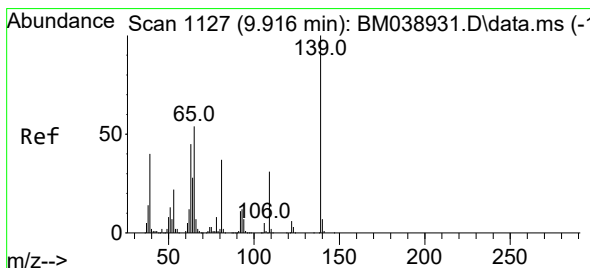
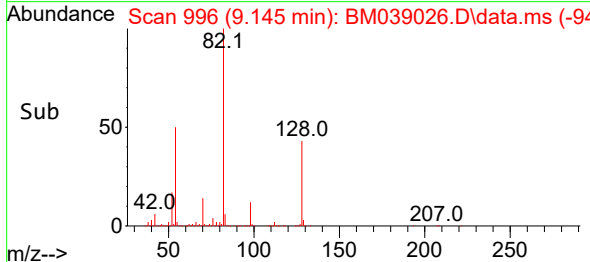
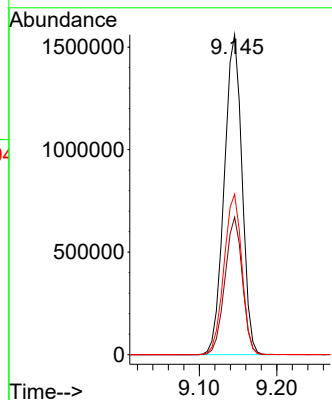
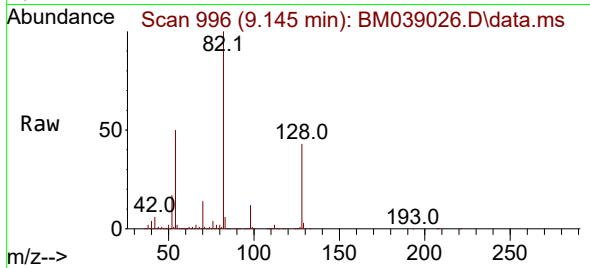




#23
Nitrobenzene-d5
Concen: 91.225 ng
RT: 9.145 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

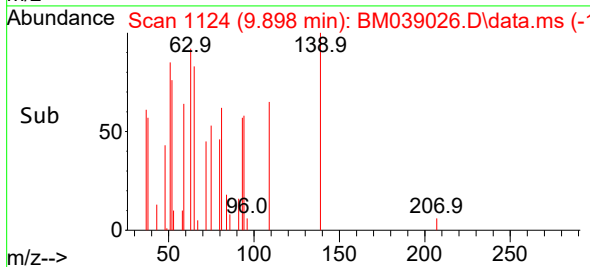
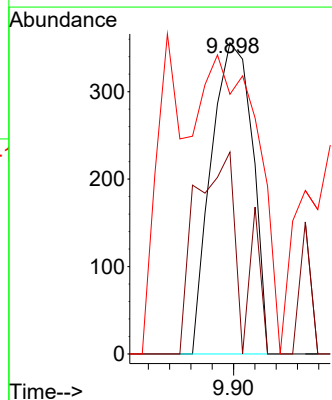
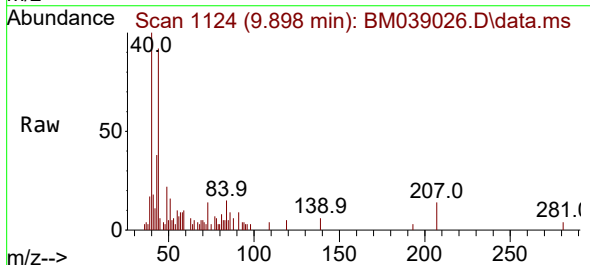
Instrument :
BNA_M
ClientSampleId :

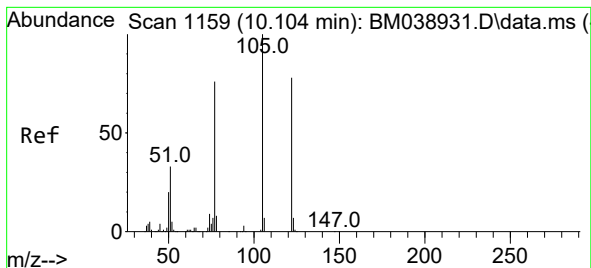
Tgt Ion: 82 Resp: 2483735
Ion Ratio Lower Upper
82 100
128 43.0 34.4 51.6
54 50.2 38.8 58.2



#26
2-Nitrophenol
Concen: 3.026 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Tgt Ion:139 Resp: 479
Ion Ratio Lower Upper
139 100
109 64.9 24.5 36.7#
65 83.4 43.0 64.6#





#32

Benzoic acid

Concen: 6.057 ng

RT: 10.004 min Scan# 1159

Delta R.T. -0.094 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

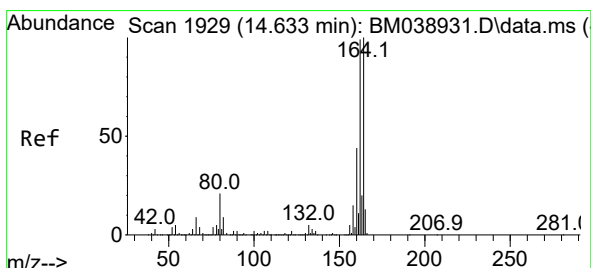
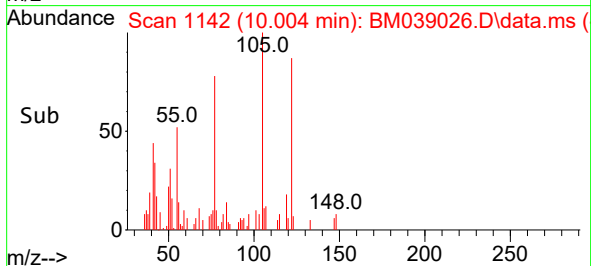
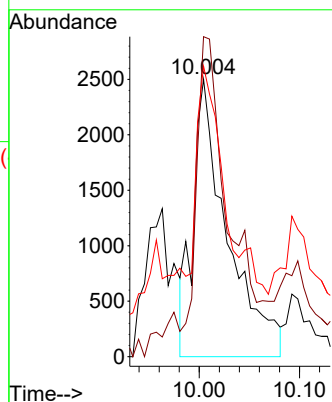
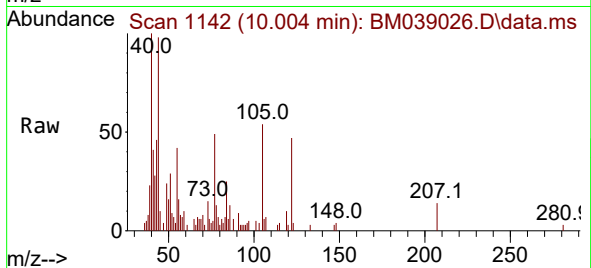
Tgt Ion:122 Resp: 5904

Ion Ratio Lower Upper

122 100

105 115.4 104.2 144.2

77 104.8 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.616 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

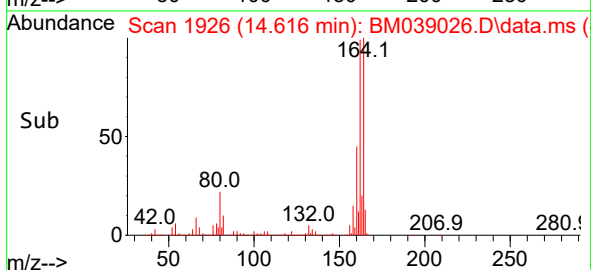
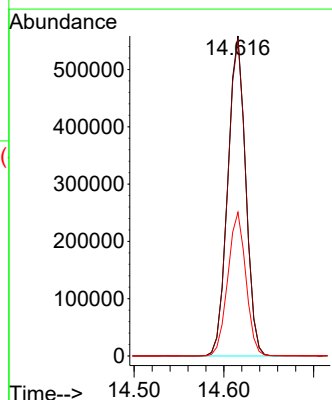
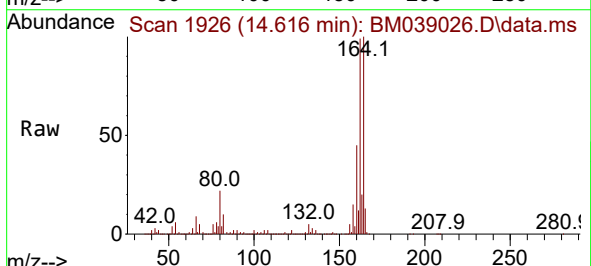
Tgt Ion:164 Resp: 771943

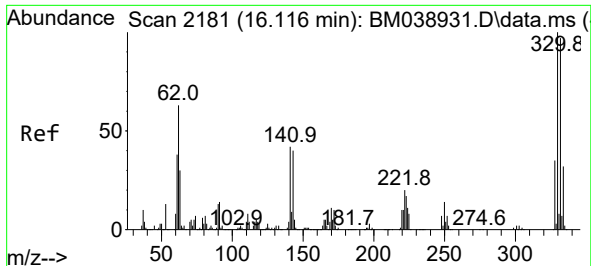
Ion Ratio Lower Upper

164 100

162 99.1 79.2 118.8

160 44.9 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 82.832 ng

RT: 16.098 min Scan# 2181

Delta R.T. -0.006 min

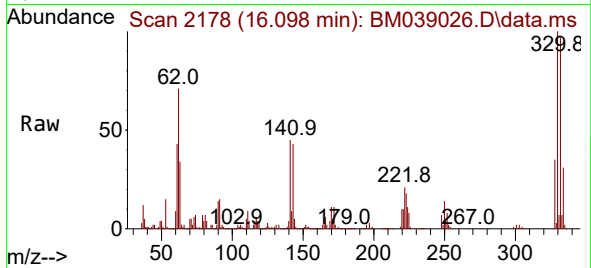
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Acq: 16 Mar 2023 21:22

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BNA_M

ClientSampleId :



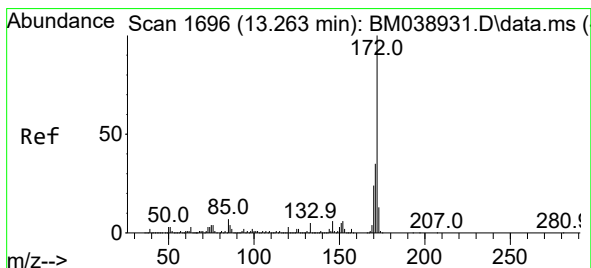
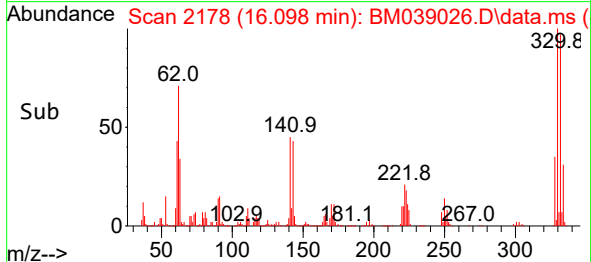
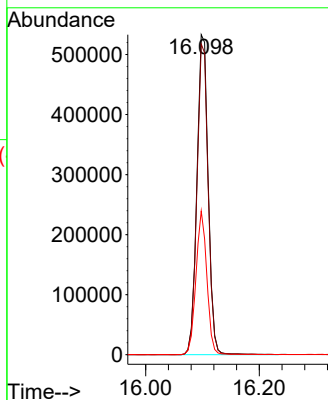
Tgt Ion:330 Resp: 739701

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 43.5 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 87.012 ng

RT: 13.245 min Scan# 1693

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

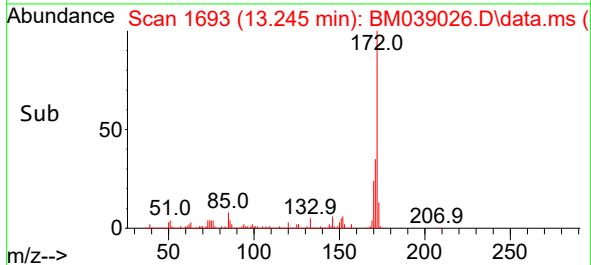
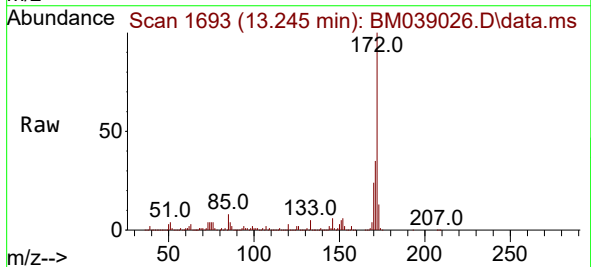
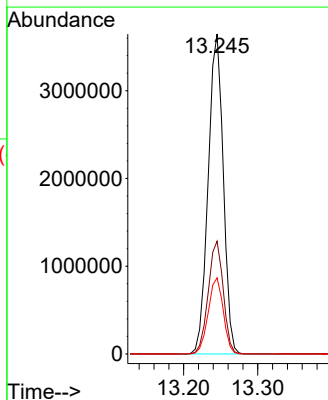
Tgt Ion:172 Resp: 5159686

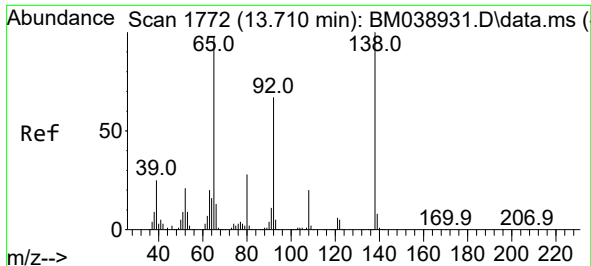
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

170 23.8 19.1 28.7

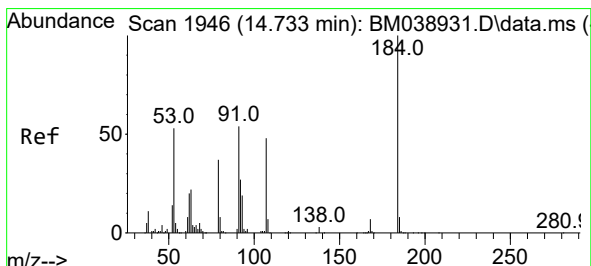
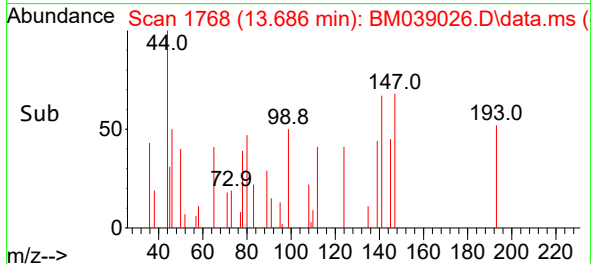
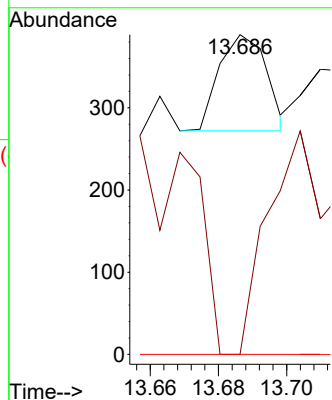
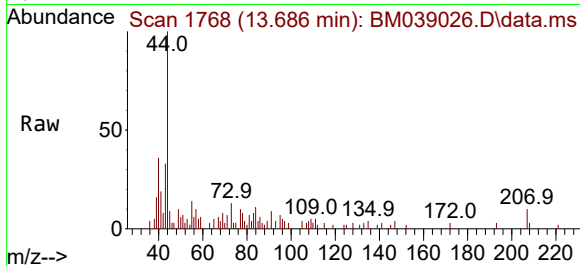




#48
2-Nitroaniline
Concen: 2.222 ng
RT: 13.686 min Scan# 113
Delta R.T. -0.012 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

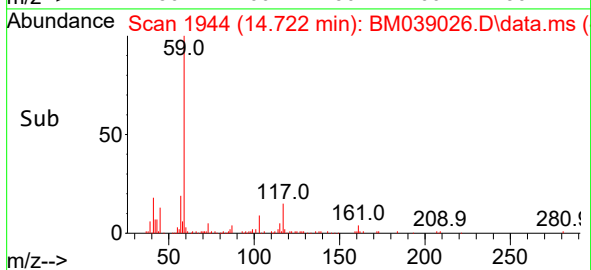
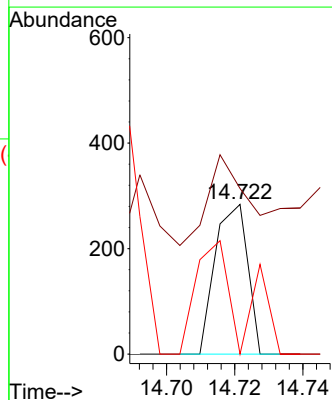
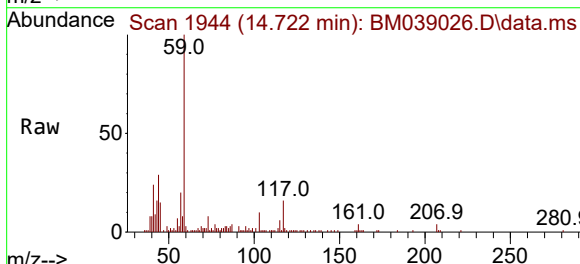
Instrument :
BNA_M
ClientSampleId :

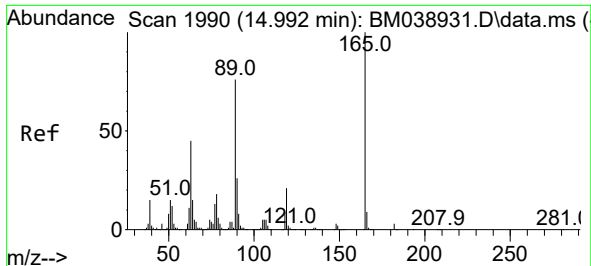
Tgt Ion: 65 Resp: 113
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#



#54
2,4-Dinitrophenol
Concen: 5.214 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Tgt Ion: 184 Resp: 187
Ion Ratio Lower Upper
184 100
63 110.6 60.6 90.8#
154 0.0 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.088 ng

RT: 14.974 min Scan# 1990

Delta R.T. 0.000 min

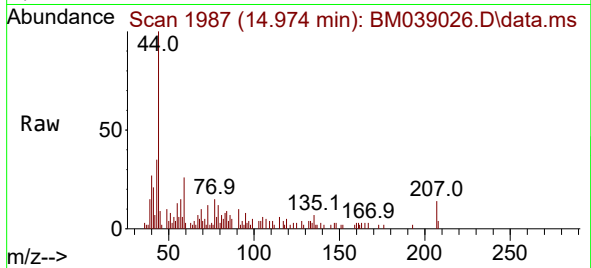
Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:165 Resp: 301

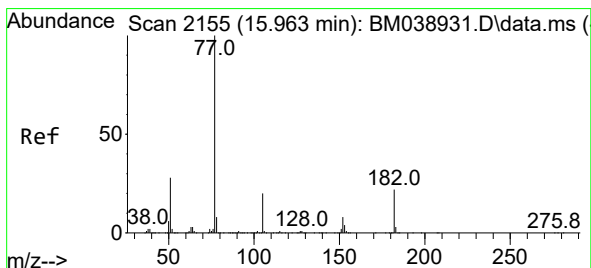
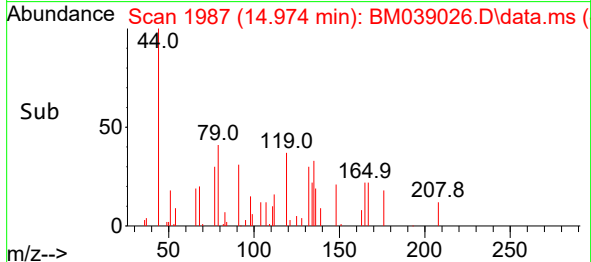
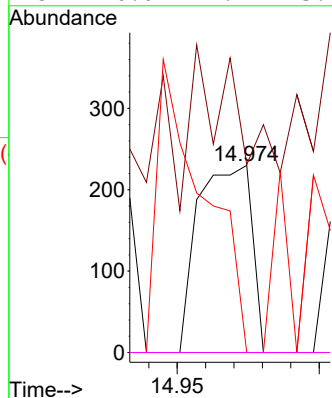
Ion Ratio Lower Upper

165 100

63 100.4 35.9 53.9#

89 0.0 61.0 91.6#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 2.474 ng

RT: 15.969 min Scan# 2156

Delta R.T. 0.018 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Tgt Ion: 77 Resp: 151271

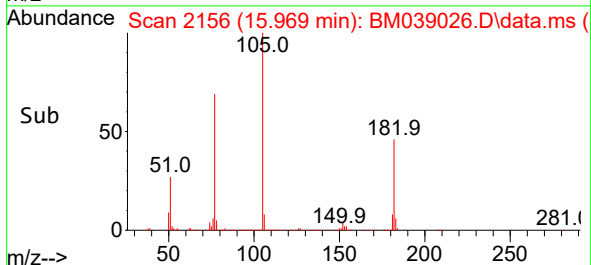
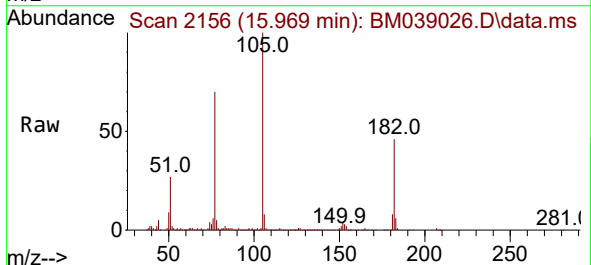
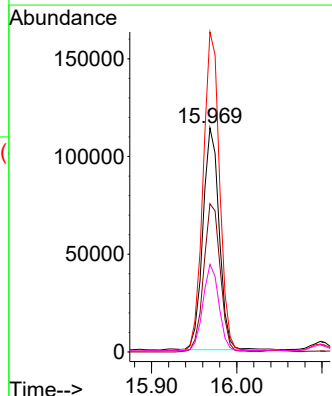
Ion Ratio Lower Upper

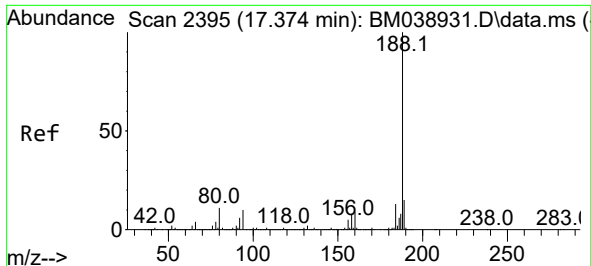
77 100

182 66.1 2.0 42.0#

105 142.8 0.4 40.4#

51 39.0 8.0 48.0

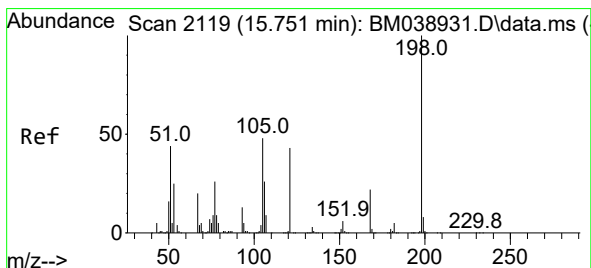
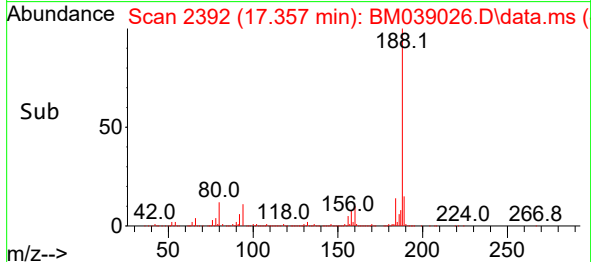
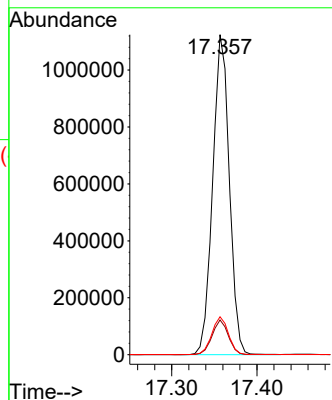
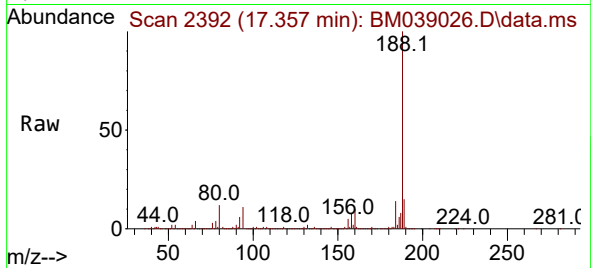




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.357 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

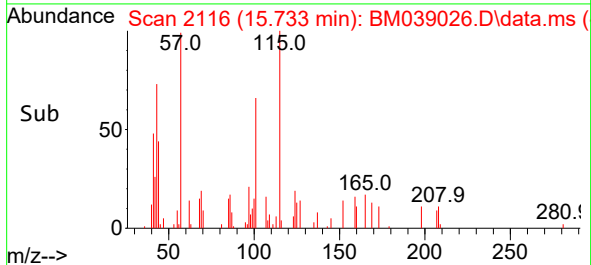
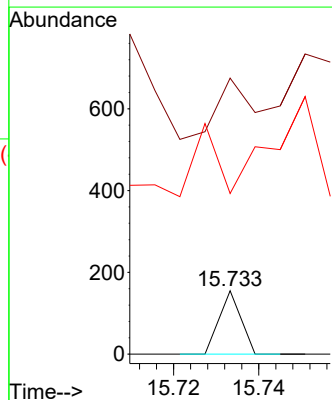
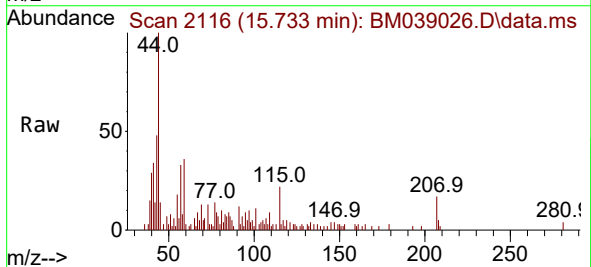
Instrument :
BNA_M
ClientSampleId :

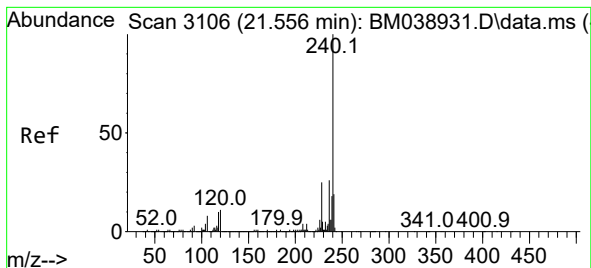
Tgt Ion:188 Resp: 1529409
Ion Ratio Lower Upper
188 100
94 10.9 7.9 11.9
80 11.8 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 5.093 ng
RT: 15.733 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 435.5 30.1 70.1#
105 253.5 29.3 69.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.539 min Scan# 3106

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

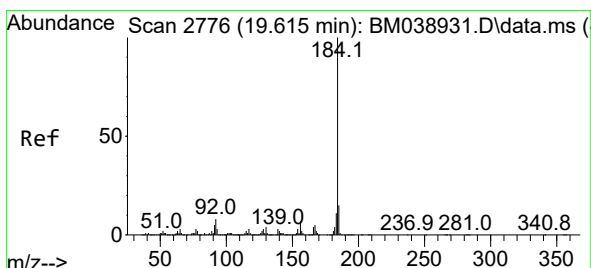
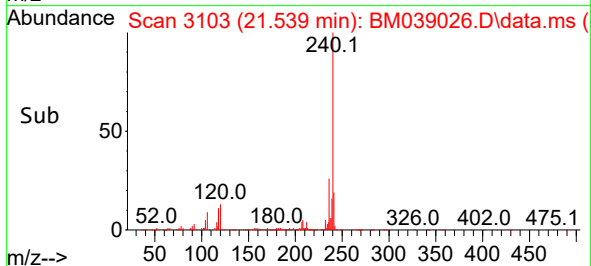
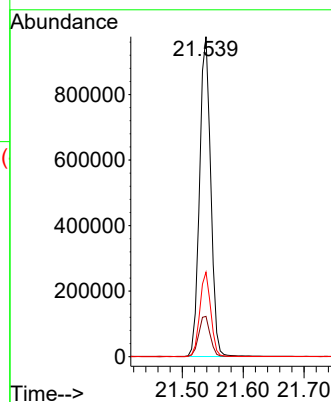
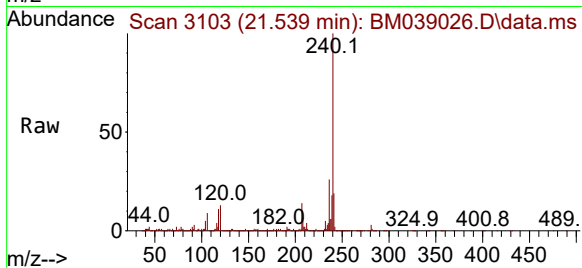
Tgt Ion:240 Resp: 1243167

Ion Ratio Lower Upper

240 100

120 12.6 9.2 13.8

236 26.4 20.8 31.2



#77

Benzidine

Concen: 4.886 ng

RT: 19.598 min Scan# 2773

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

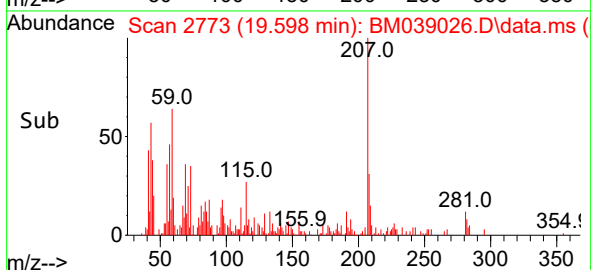
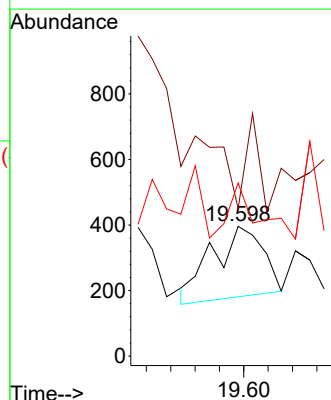
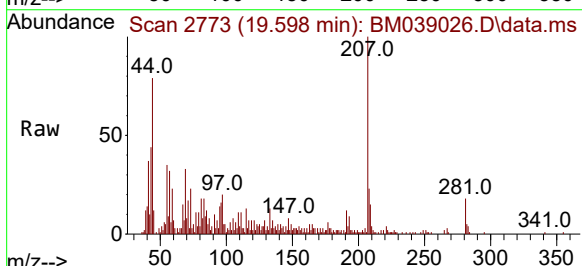
Tgt Ion:184 Resp: 314

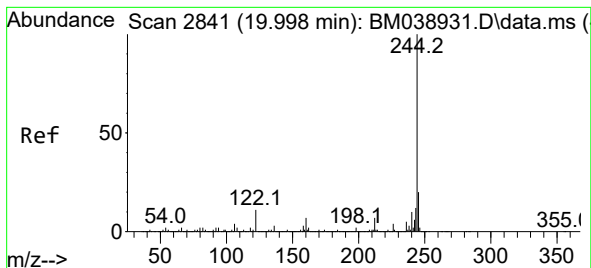
Ion Ratio Lower Upper

184 100

185 113.6 12.2 18.4#

183 133.3 8.8 13.2#





#79

Terphenyl-d14

Concen: 81.140 ng

RT: 19.980 min Scan# 2

Delta R.T. 0.000 min

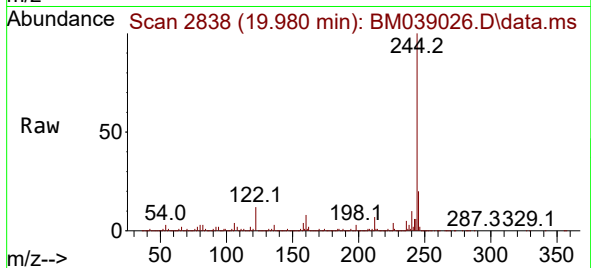
Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :



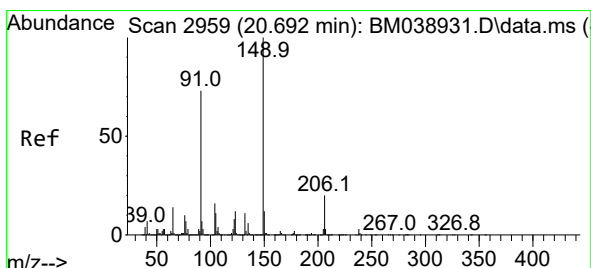
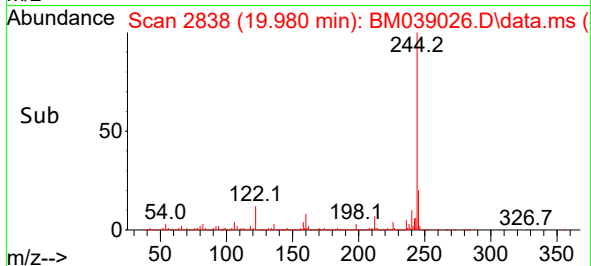
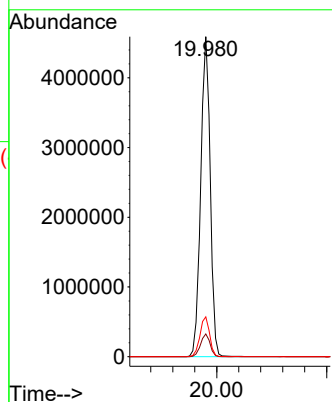
Tgt Ion:244 Resp: 5517084

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 12.5 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.387 ng

RT: 20.674 min Scan# 2956

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

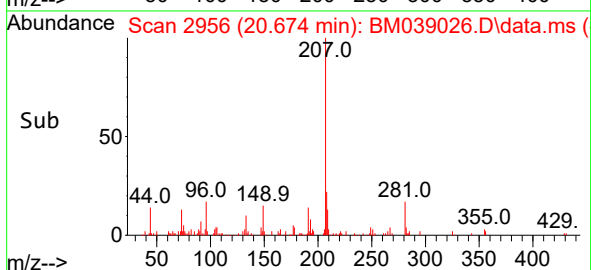
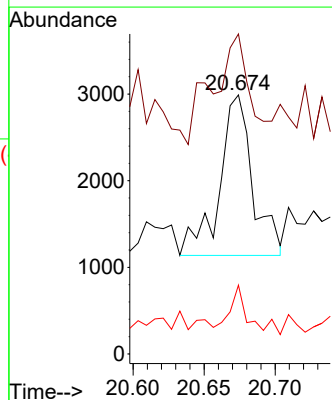
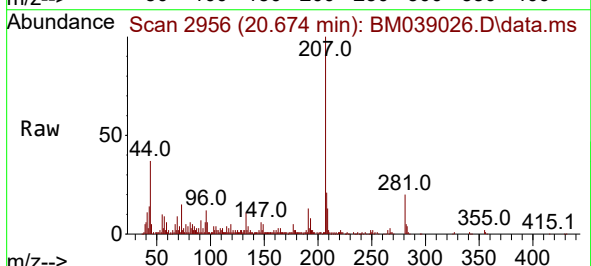
Tgt Ion:149 Resp: 3015

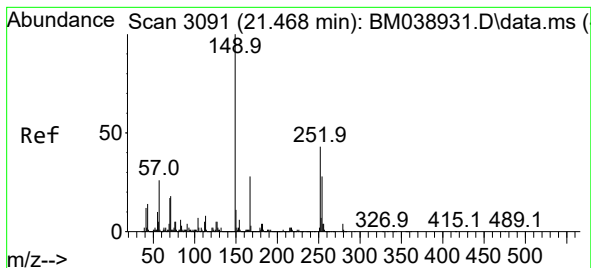
Ion Ratio Lower Upper

149 100

91 123.5 58.4 87.6#

206 26.6 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.711 ng

RT: 21.451 min Scan# 3091

Delta R.T. 0.000 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

Instrument :

BNA_M

ClientSampleId :

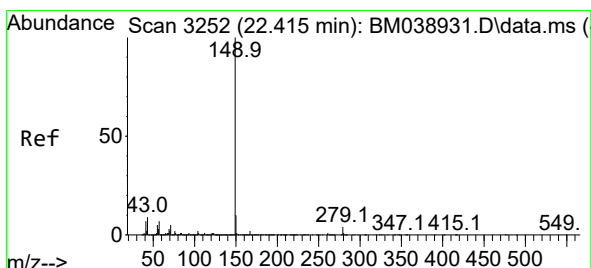
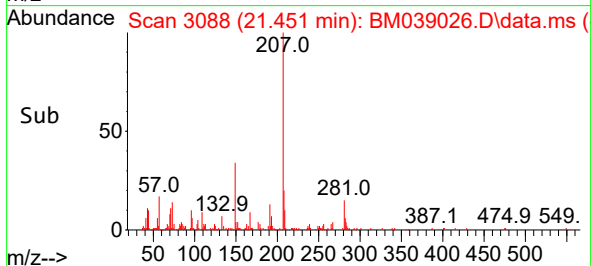
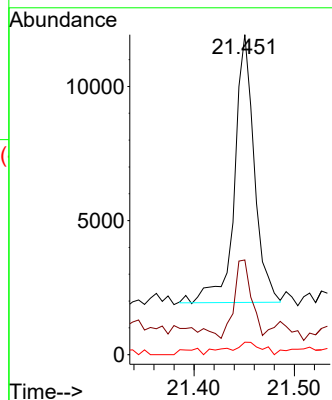
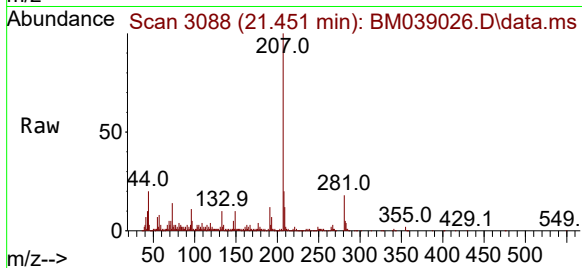
Tgt Ion:149 Resp: 13701

Ion Ratio Lower Upper

149 100

167 29.6 22.3 33.5

279 3.9 3.2 4.8



#85

Di-n-octyl phthalate

Concen: 3.803 ng

RT: 22.350 min Scan# 3241

Delta R.T. -0.041 min

Lab File: BM039026.D

Acq: 16 Mar 2023 21:22

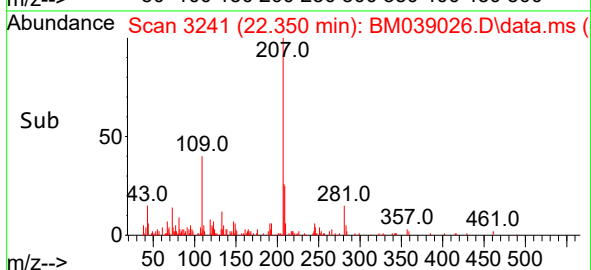
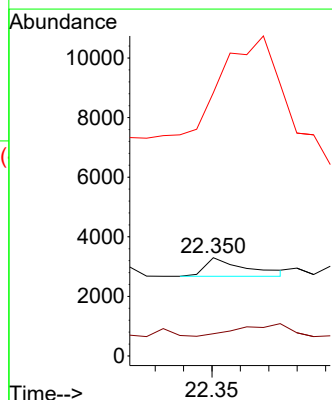
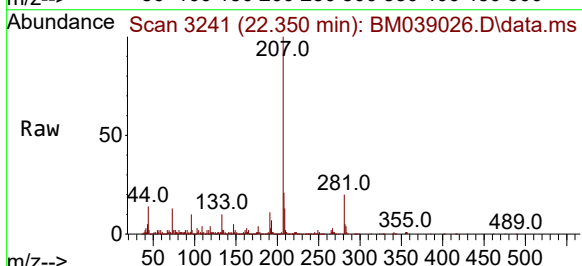
Tgt Ion:149 Resp: 628

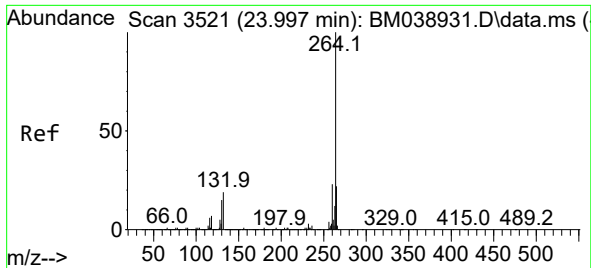
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

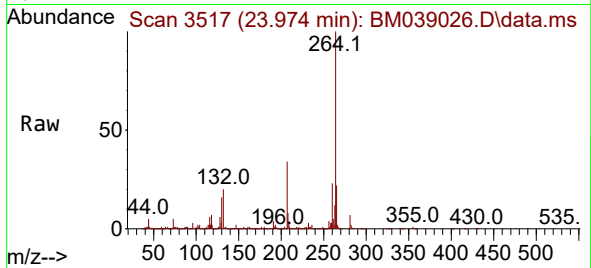
43 0.0 7.4 11.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.974 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039026.D
Acq: 16 Mar 2023 21:22

Instrument :
BNA_M
ClientSampleId :



Tgt Ion:264 Resp: 1256450
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 22.0 17.9 26.9

