

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039151.D
 Acq On : 24 Mar 2023 20:59
 Operator : CG/JU
 Sample : 02069-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 API-3-3

Quant Time: Mar 25 01:09:09 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 24 15:04:20 2023
 Response via : Initial Calibration

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

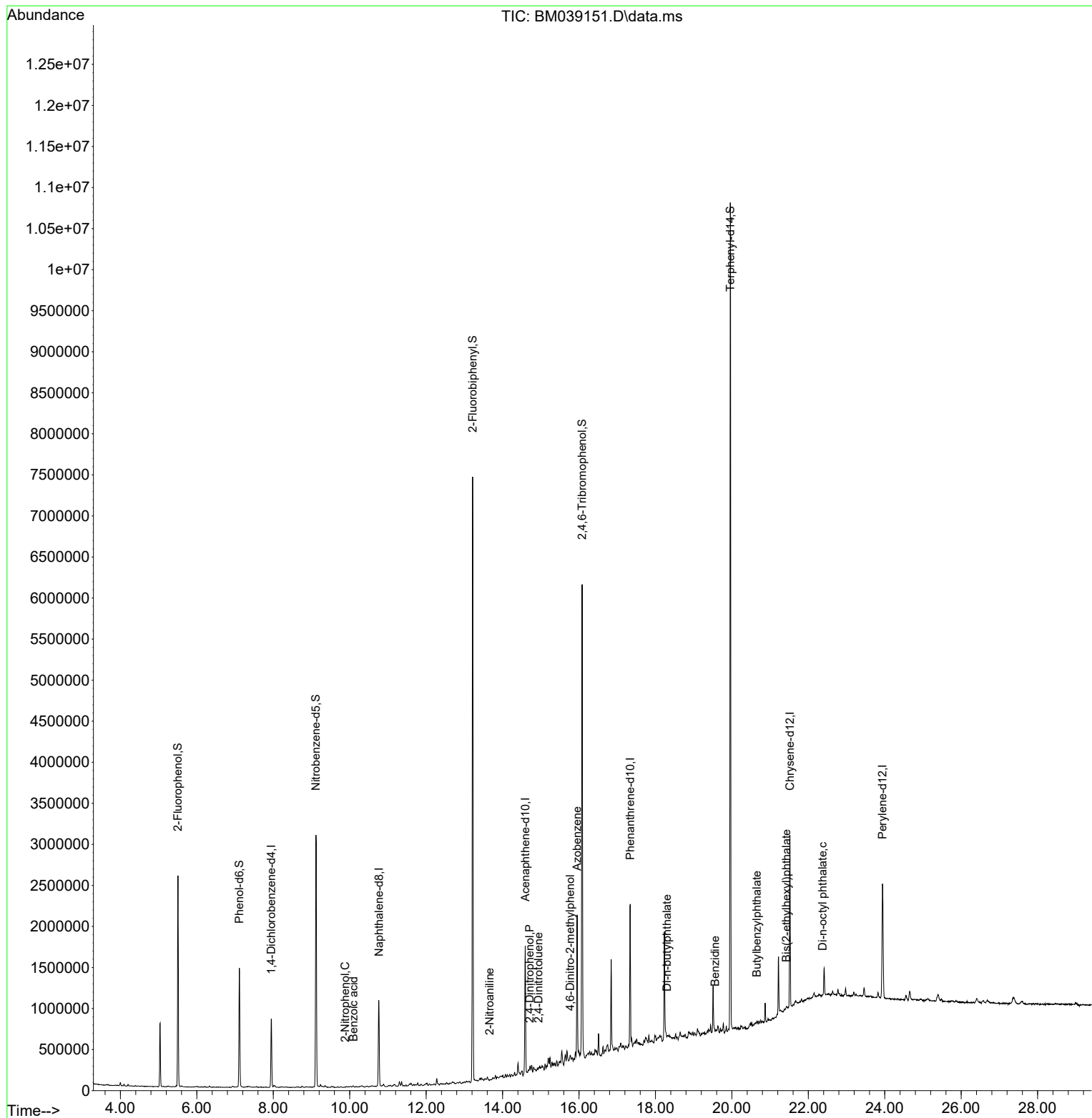
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	223377	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	881050	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	501419	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1026542	20.000	ng	0.00
76) Chrysene-d12	21.515	240	936097	20.000	ng	-0.01
86) Perylene-d12	23.939	264	1041025	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.505	112	1091712	74.252	ng	0.00
7) Phenol-d6	7.110	99	862950	45.187	ng	0.00
23) Nitrobenzene-d5	9.116	82	1784479	99.490	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	1038517	179.035	ng	0.00
45) 2-Fluorobiphenyl	13.216	172	3743435	97.188	ng	0.00
79) Terphenyl-d14	19.962	244	5050945	98.652	ng	0.00
Target Compounds						
					Qvalue	
26) 2-Nitrophenol	9.881	139	181	3.011	ng	# 1
32) Benzoic acid	10.098	122	135	5.744	ng	# 15
48) 2-Nitroaniline	13.663	65	149	2.229	ng	# 56
54) 2,4-Dinitrophenol	14.710	184	398	5.267	ng	# 1
57) 2,4-Dinitrotoluene	14.939	165	800	2.139	ng	# 1
63) Azobenzene	15.951	77	512229	12.895	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.769	198	179	5.112	ng	# 1
74) Di-n-butylphthalate	18.304	149	17633	2.052	ng	# 68
77) Benzidine	19.557	184	539	4.899	ng	# 1
80) Butylbenzylphthalate	20.651	149	412	3.329	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.427	149	10225	2.709	ng	# 76
85) Di-n-octyl phthalate	22.374	149	3161	3.837	ng	# 31

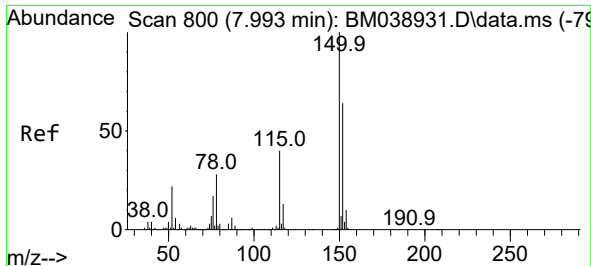
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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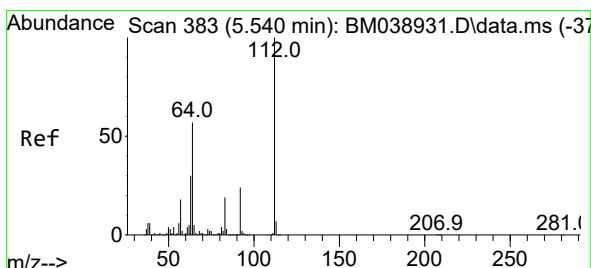
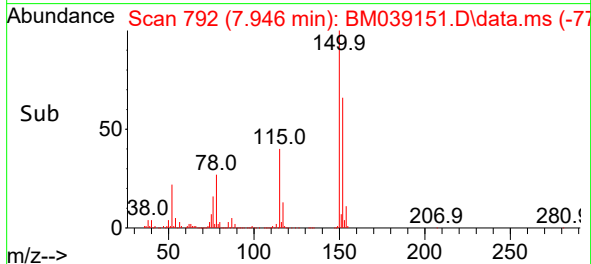
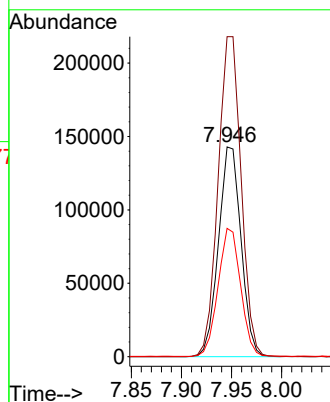
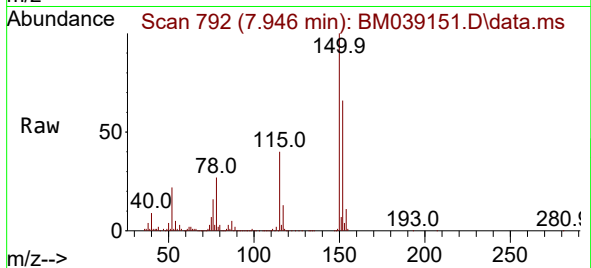




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.946 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BM039151.D
 Acq: 24 Mar 2023 20:59

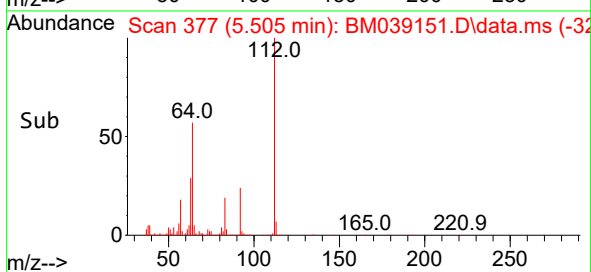
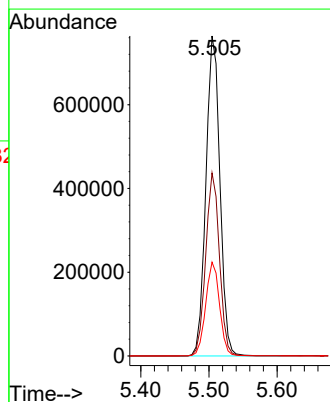
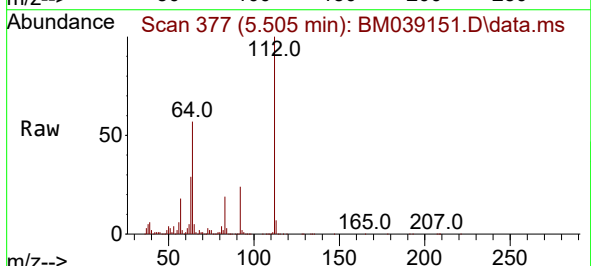
Instrument :
 BNA_M
 ClientSampleId :
 API-3-3

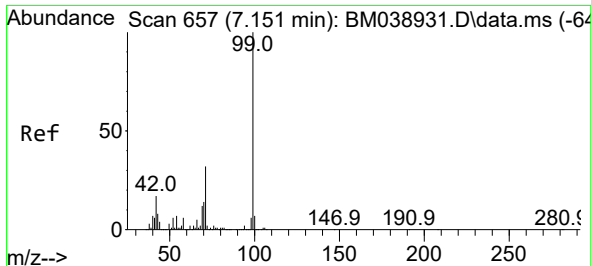
Tgt Ion:152 Resp: 223377
 Ion Ratio Lower Upper
 152 100
 150 152.5 125.1 187.7
 115 61.2 49.6 74.4



#5
 2-Fluorophenol
 Concen: 74.252 ng
 RT: 5.505 min Scan# 377
 Delta R.T. 0.000 min
 Lab File: BM039151.D
 Acq: 24 Mar 2023 20:59

Tgt Ion:112 Resp: 1091712
 Ion Ratio Lower Upper
 112 100
 64 57.2 45.9 68.9
 63 29.3 23.8 35.8

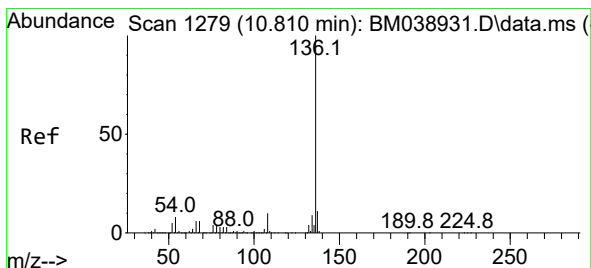
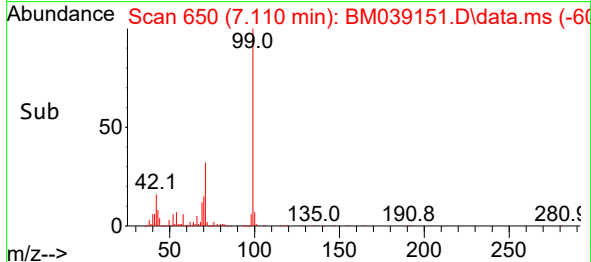
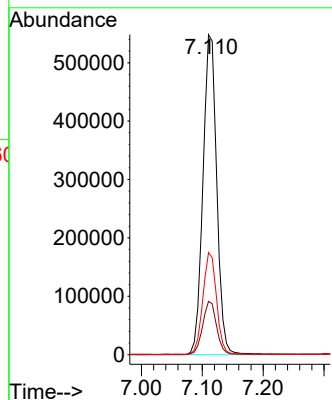
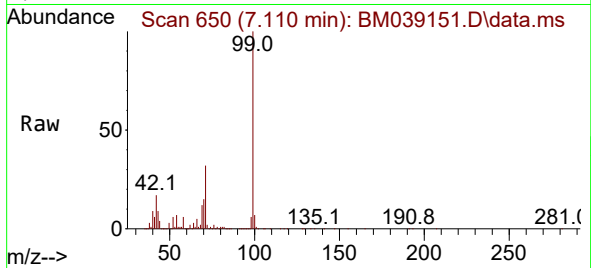




#7
Phenol-d6
Concen: 45.187 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

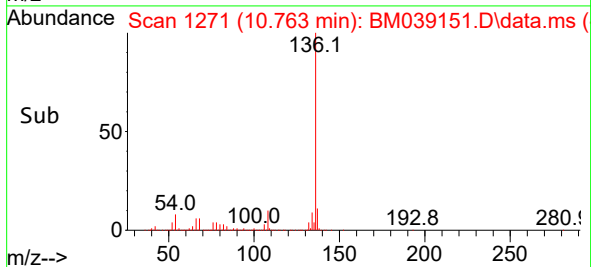
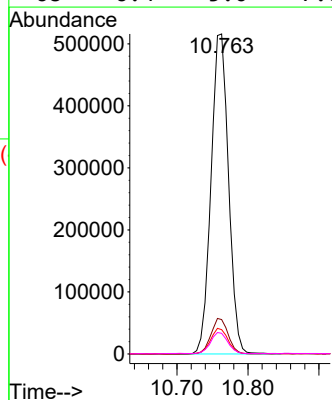
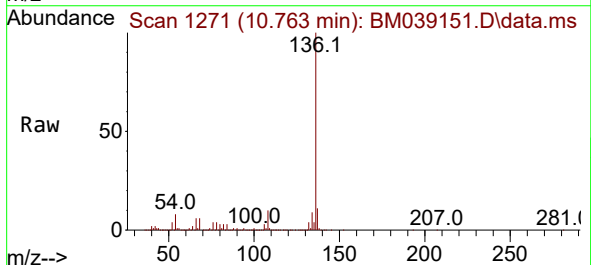
Instrument :
BNA_M
ClientSampleId :
API-3-3

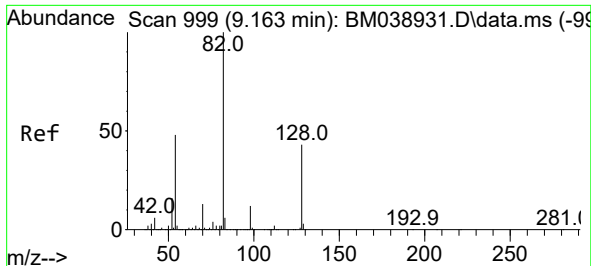
Tgt Ion: 99 Resp: 862950
Ion Ratio Lower Upper
99 100
42 16.6 13.5 20.3
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

Tgt Ion: 136 Resp: 881050
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.6 6.3 9.5
68 6.4 5.0 7.6

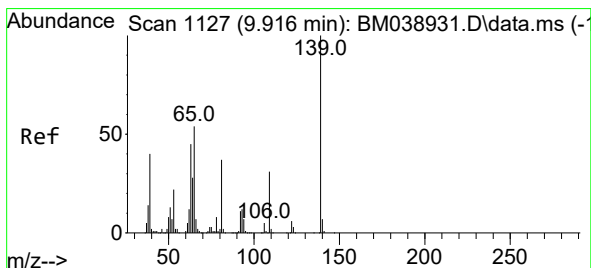
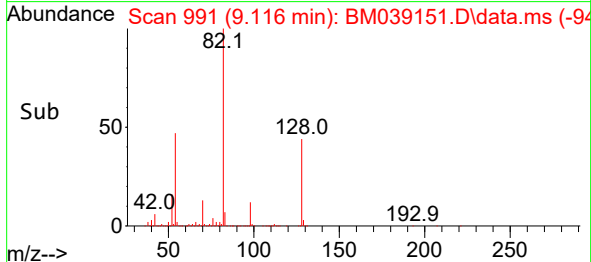
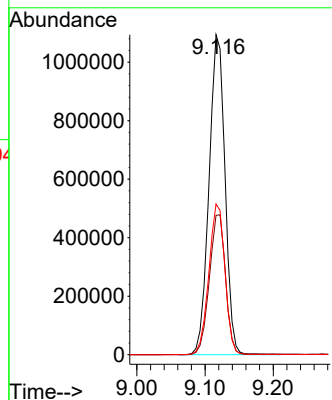
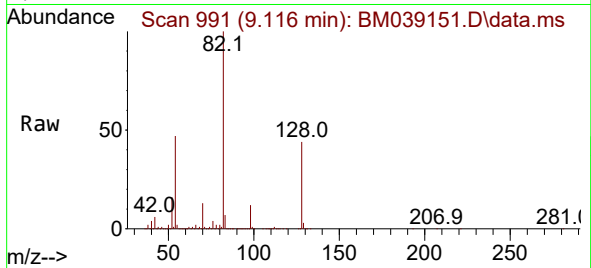




#23
Nitrobenzene-d5
Concen: 99.490 ng
RT: 9.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

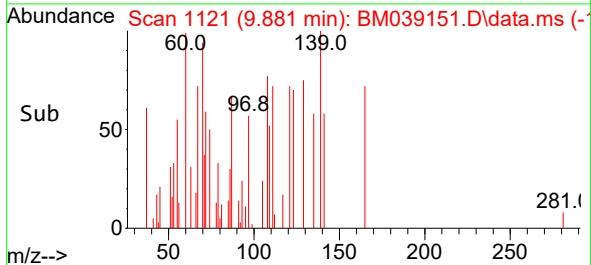
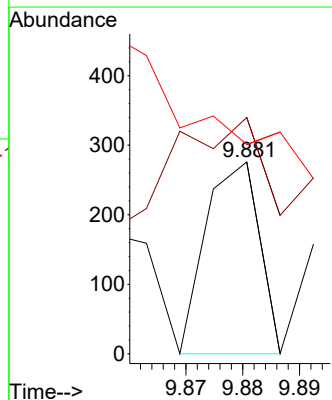
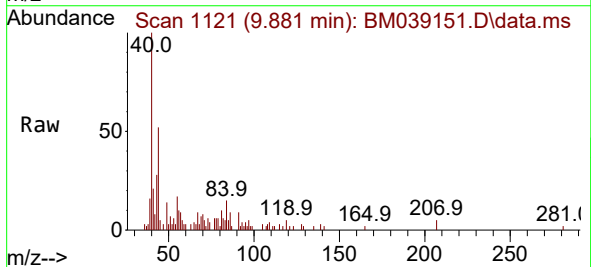
Instrument :
BNA_M
ClientSampleId :
API-3-3

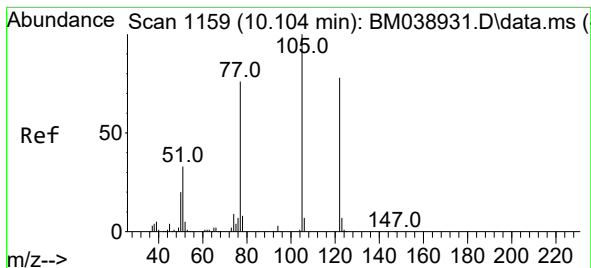
Tgt Ion: 82 Resp: 1784479
Ion Ratio Lower Upper
82 100
128 43.6 34.4 51.6
54 47.1 38.8 58.2



#26
2-Nitrophenol
Concen: 3.011 ng
RT: 9.881 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

Tgt Ion: 139 Resp: 181
Ion Ratio Lower Upper
139 100
109 123.2 24.5 36.7#
65 109.1 43.0 64.6#





#32

Benzoic acid

Concen: 5.744 ng

RT: 10.098 min Scan# 1158

Delta R.T. 0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

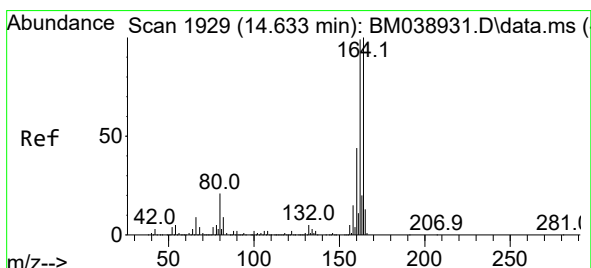
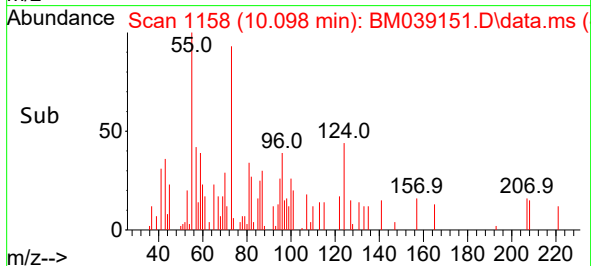
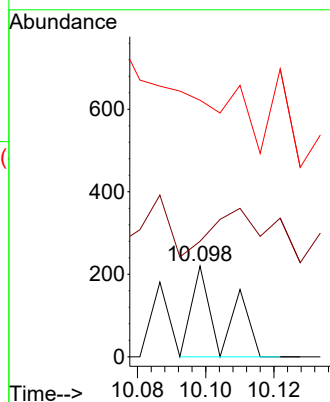
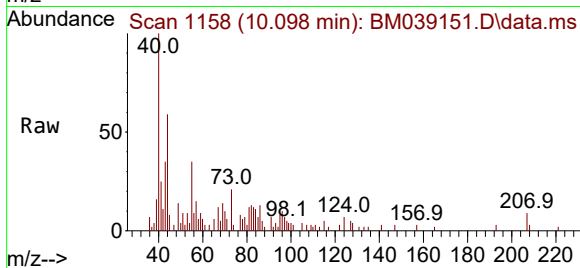
Tgt Ion:122 Resp: 135

Ion Ratio Lower Upper

122 100

105 127.3 104.2 144.2

77 282.7 75.1 115.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.592 min Scan# 1922

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

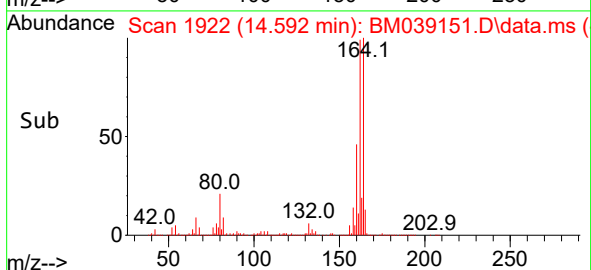
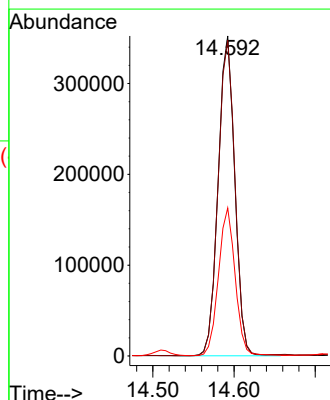
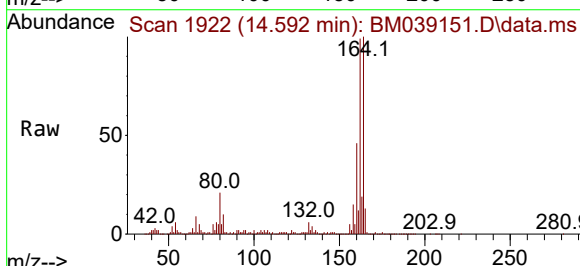
Tgt Ion:164 Resp: 501419

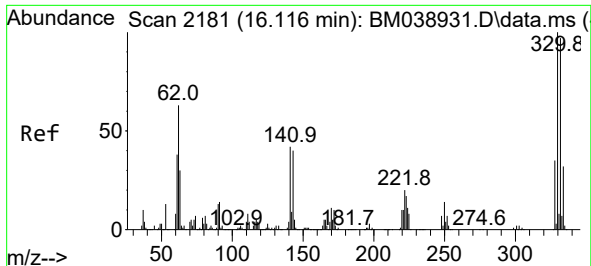
Ion Ratio Lower Upper

164 100

162 98.6 79.2 118.8

160 46.2 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 179.035 ng

RT: 16.080 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

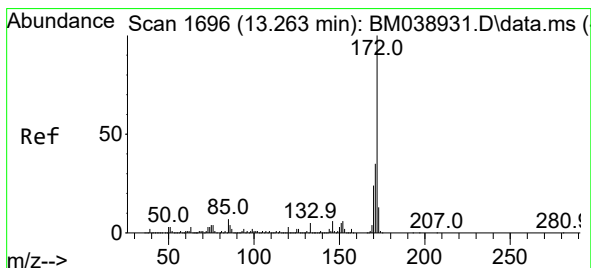
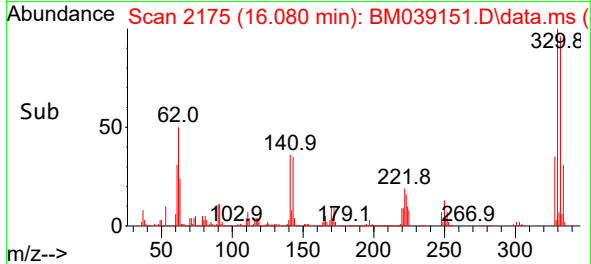
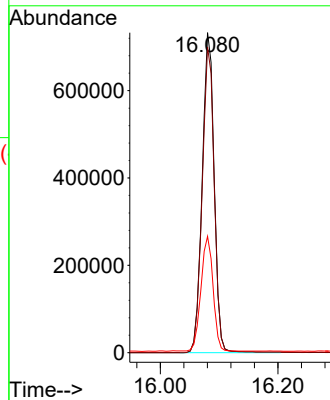
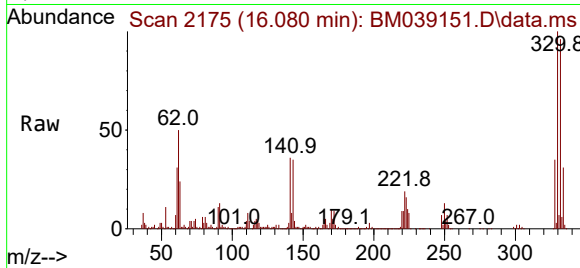
Tgt Ion:330 Resp: 1038517

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

141 36.1 32.2 48.4



#45

2-Fluorobiphenyl

Concen: 97.188 ng

RT: 13.216 min Scan# 1688

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

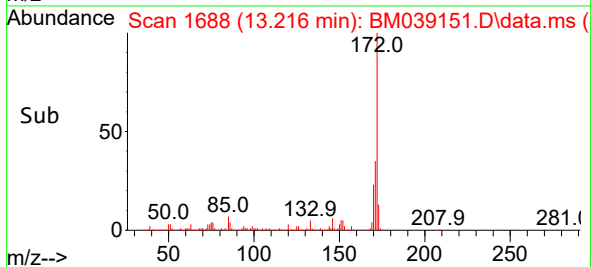
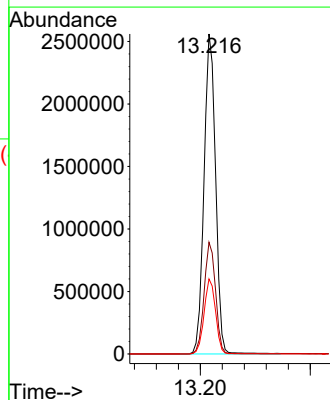
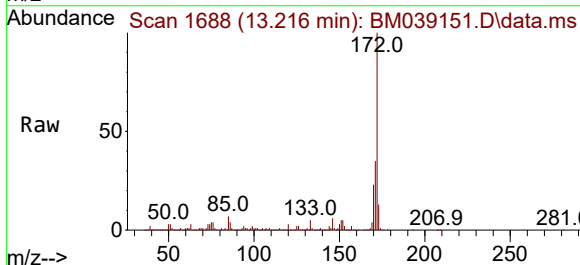
Tgt Ion:172 Resp: 3743435

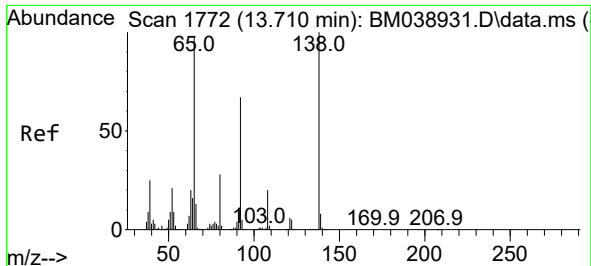
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.4 19.1 28.7





#48

2-Nitroaniline

Concen: 2.229 ng

RT: 13.663 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

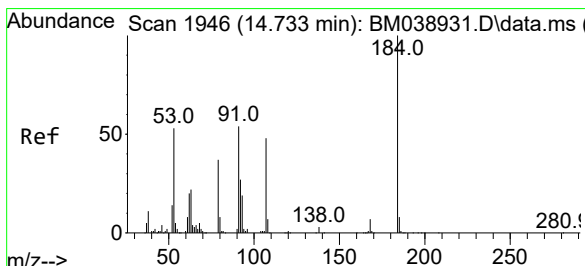
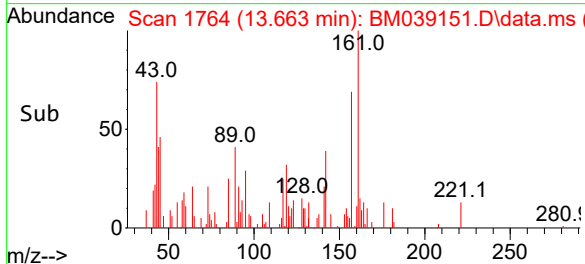
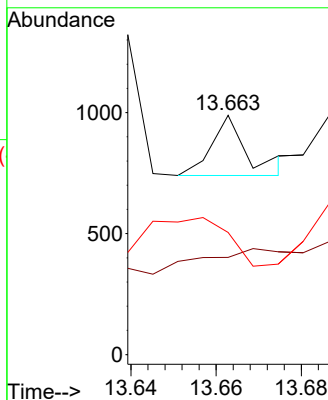
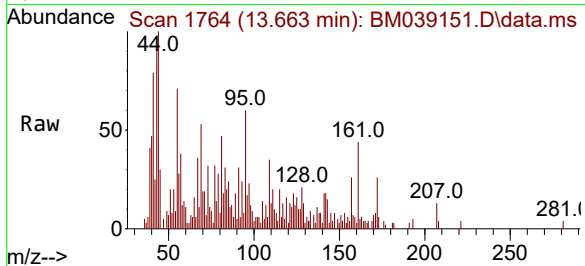
Tgt Ion: 65 Resp: 149

Ion Ratio Lower Upper

65 100

92 40.6 54.9 82.3#

138 51.1 81.6 122.4#



#54

2,4-Dinitrophenol

Concen: 5.267 ng

RT: 14.710 min Scan# 1942

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

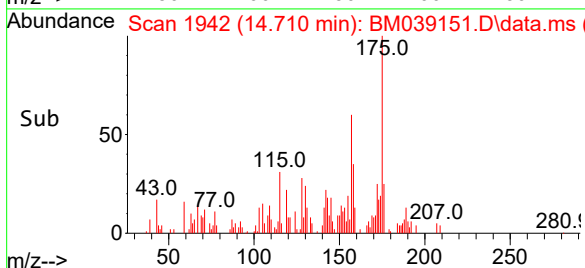
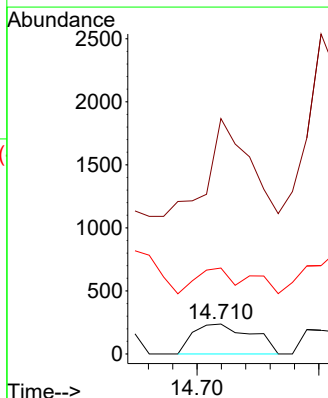
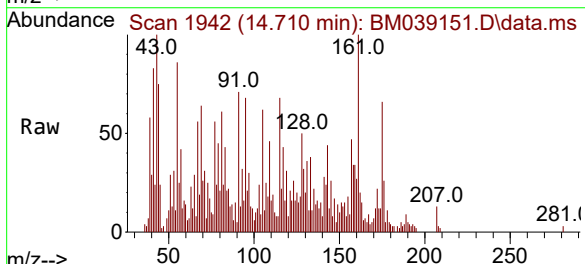
Tgt Ion:184 Resp: 398

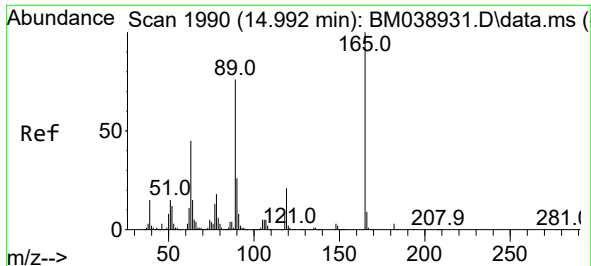
Ion Ratio Lower Upper

184 100

63 784.5 60.6 90.8#

154 286.1 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.139 ng

RT: 14.939 min Scan# 1990

Delta R.T. -0.023 min

Lab File: BM039151.D

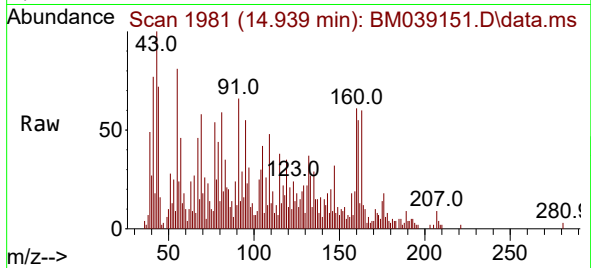
Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3



Tgt Ion:165 Resp: 800

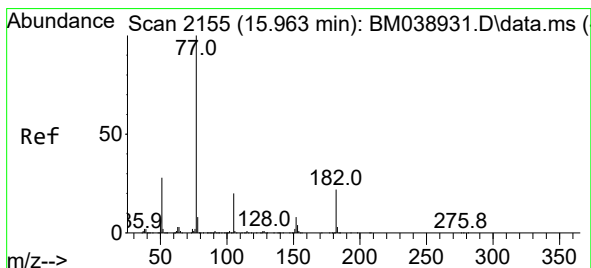
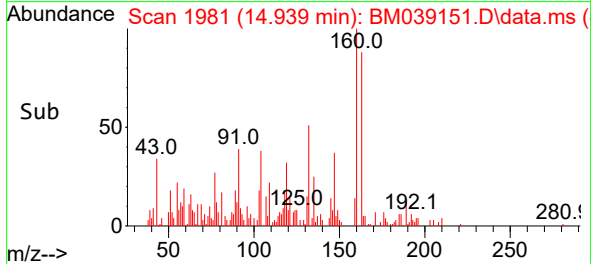
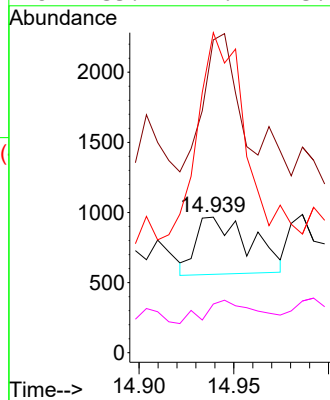
Ion Ratio Lower Upper

165 100

63 230.7 35.9 53.9#

89 236.0 61.0 91.6#

182 35.9 2.1 3.1#



#63

Azobenzene

Concen: 12.895 ng

RT: 15.951 min Scan# 2153

Delta R.T. 0.018 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Tgt Ion: 77 Resp: 512229

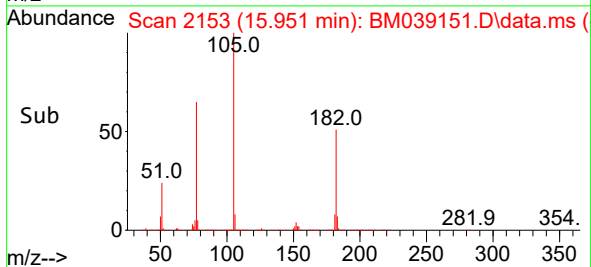
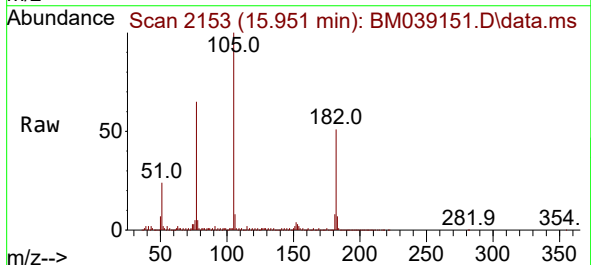
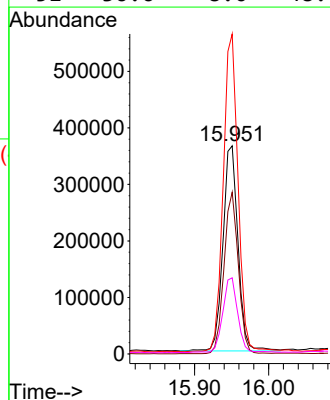
Ion Ratio Lower Upper

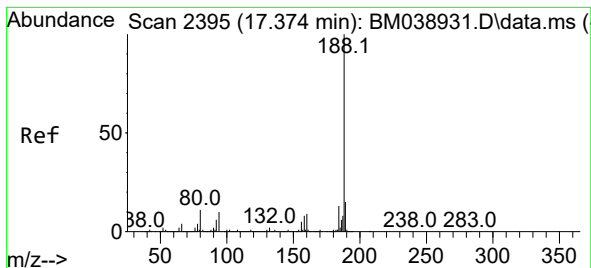
77 100

182 77.7 2.0 42.0#

105 153.7 0.4 40.4#

51 36.6 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

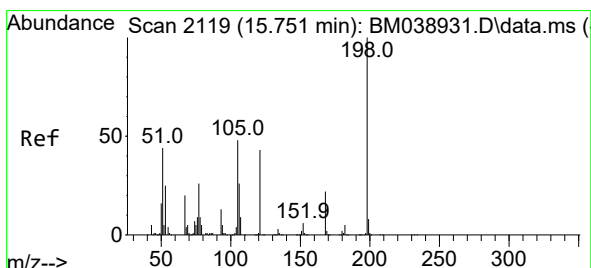
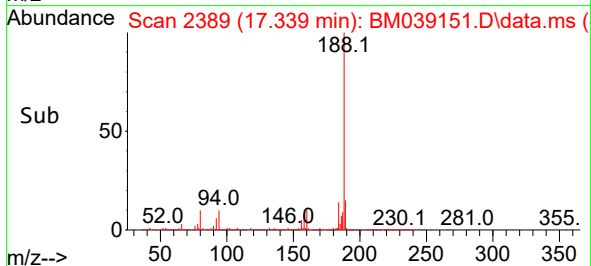
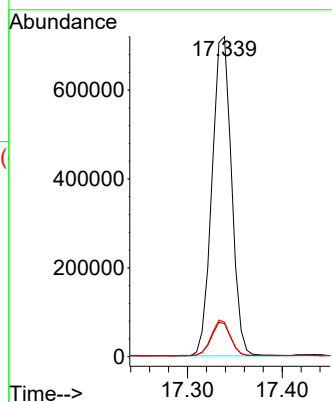
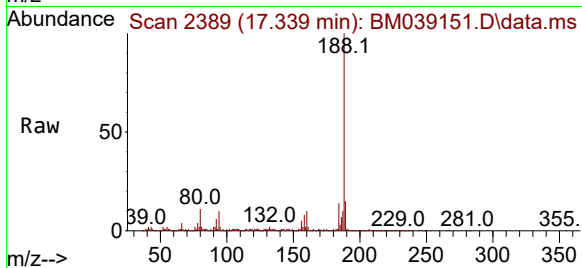
Tgt Ion:188 Resp: 1026542

Ion Ratio Lower Upper

188 100

94 10.3 7.9 11.9

80 10.8 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.112 ng

RT: 15.769 min Scan# 2122

Delta R.T. 0.041 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

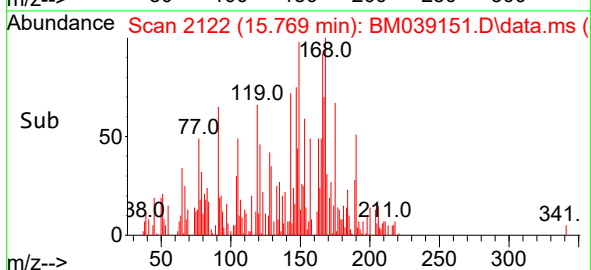
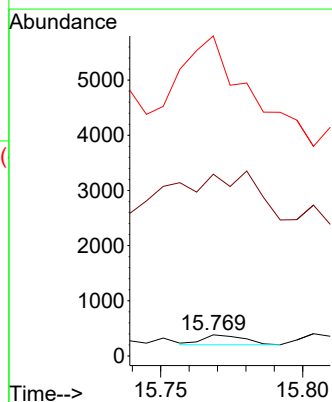
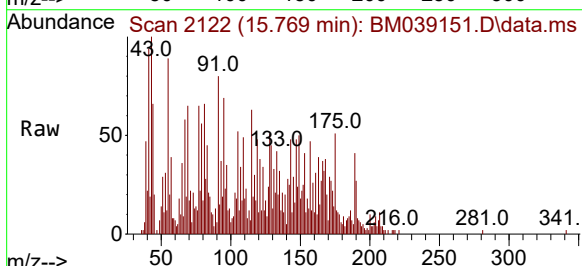
Tgt Ion:198 Resp: 179

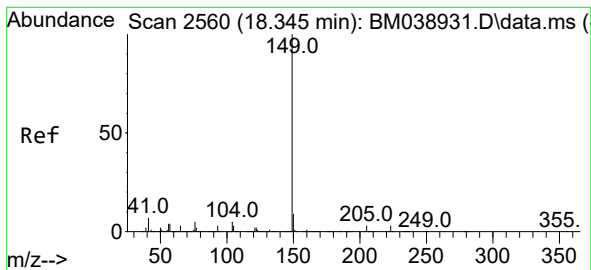
Ion Ratio Lower Upper

198 100

51 860.3 30.1 70.1#

105 1514.4 29.3 69.3#





#74

Di-n-butylphthalate

Concen: 2.052 ng

RT: 18.304 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

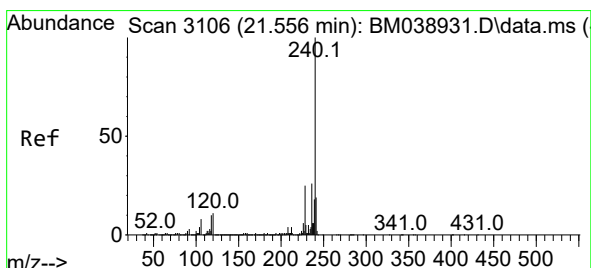
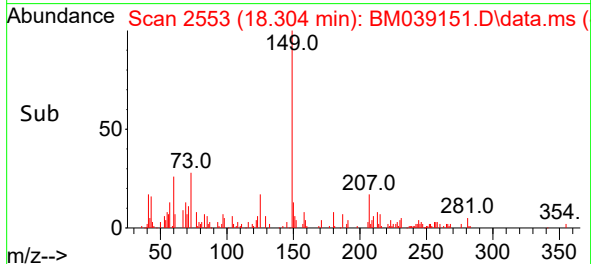
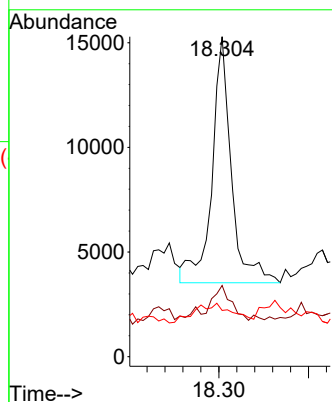
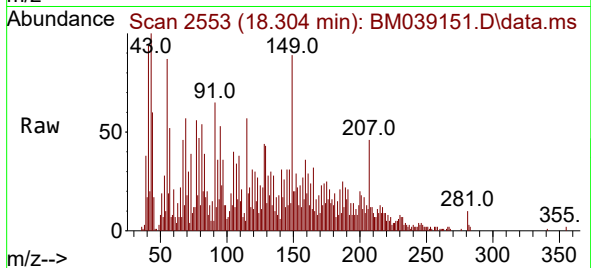
Tgt Ion:149 Resp: 17633

Ion Ratio Lower Upper

149 100

150 22.3 7.4 11.2#

104 14.5 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3099

Delta R.T. -0.012 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

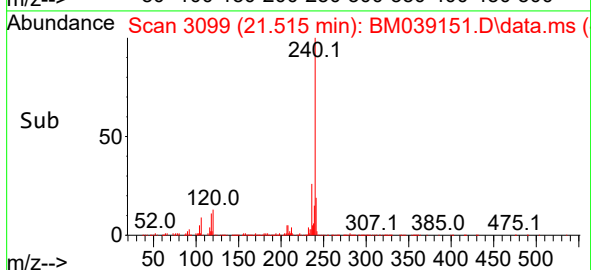
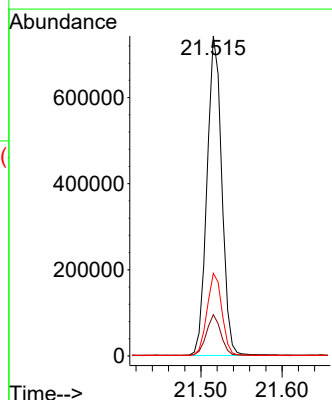
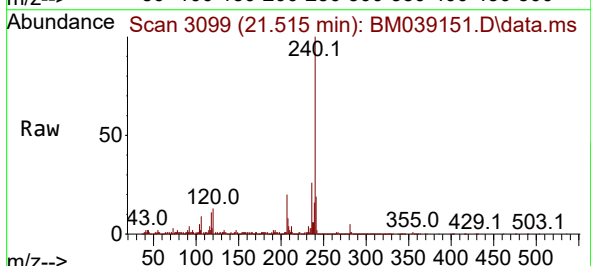
Tgt Ion:240 Resp: 936097

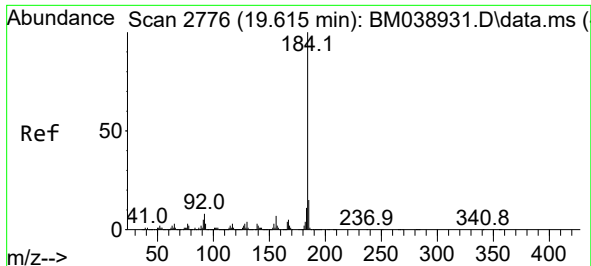
Ion Ratio Lower Upper

240 100

120 12.9 9.2 13.8

236 25.8 20.8 31.2

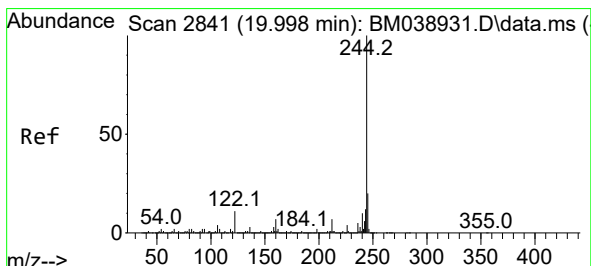
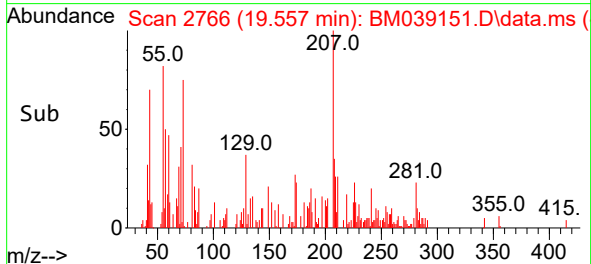
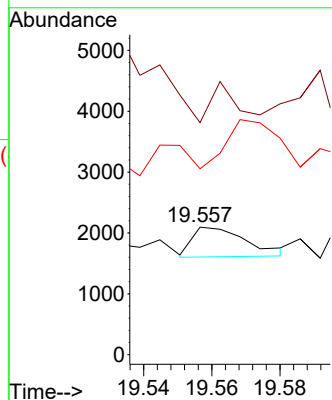
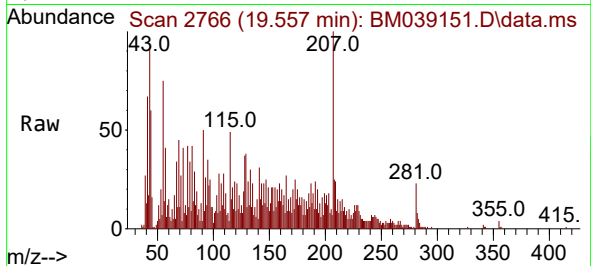




#77
Benzidine
Concen: 4.899 ng
RT: 19.557 min Scan# 21
Delta R.T. -0.029 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

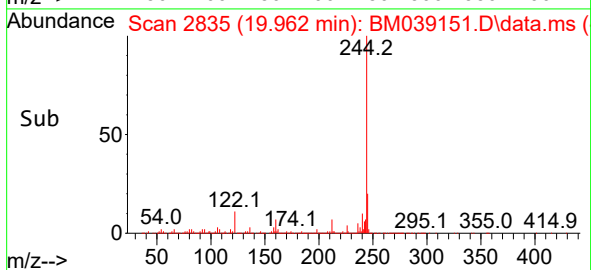
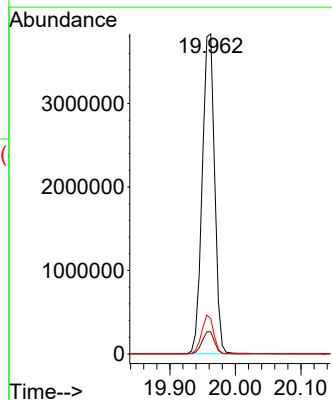
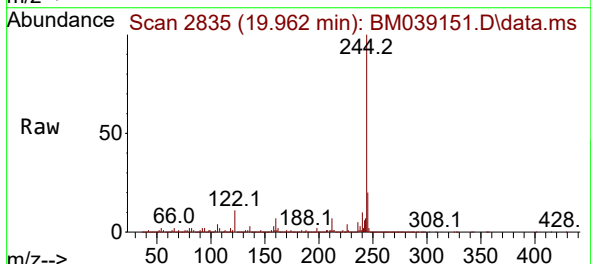
Instrument :
BNA_M
ClientSampleId :
API-3-3

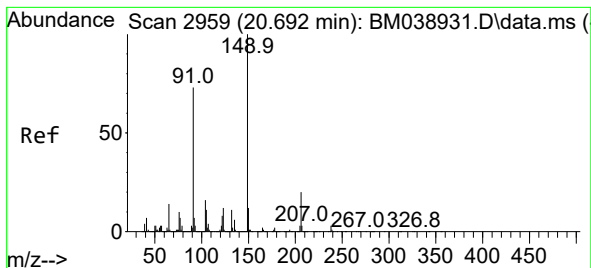
Tgt Ion:184 Resp: 539
Ion Ratio Lower Upper
184 100
185 181.9 12.2 18.4#
183 145.8 8.8 13.2#



#79
Terphenyl-d14
Concen: 98.652 ng
RT: 19.962 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BM039151.D
Acq: 24 Mar 2023 20:59

Tgt Ion:244 Resp: 5050945
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.329 ng

RT: 20.651 min Scan# 2952

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

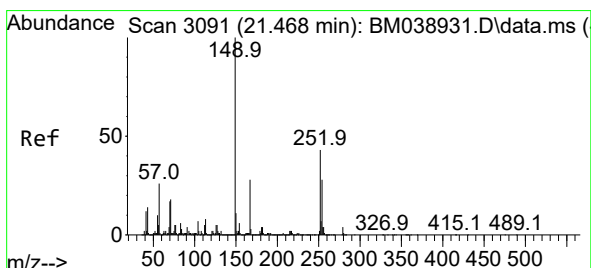
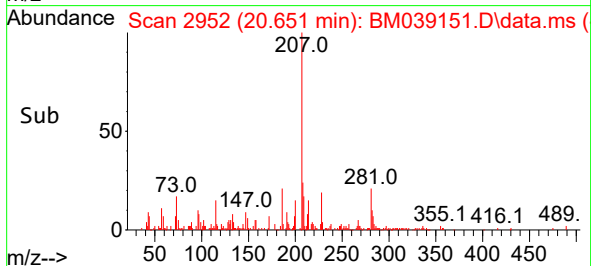
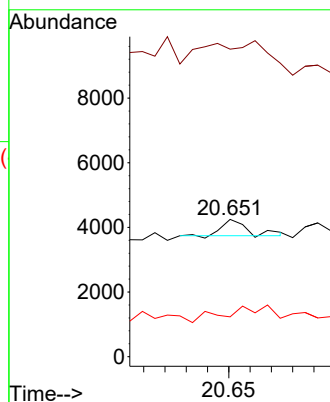
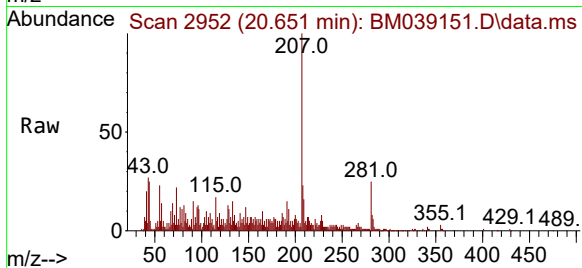
Tgt Ion:149 Resp: 412

Ion Ratio Lower Upper

149 100

91 224.1 58.4 87.6#

206 29.0 16.1 24.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.709 ng

RT: 21.427 min Scan# 3084

Delta R.T. -0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

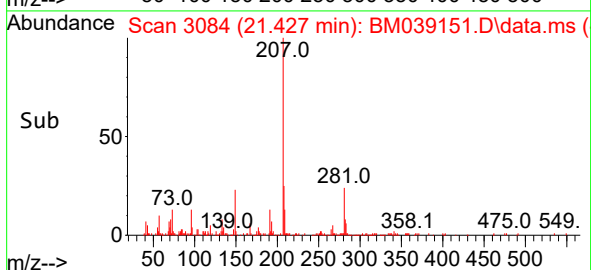
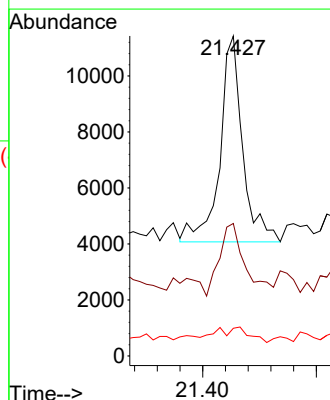
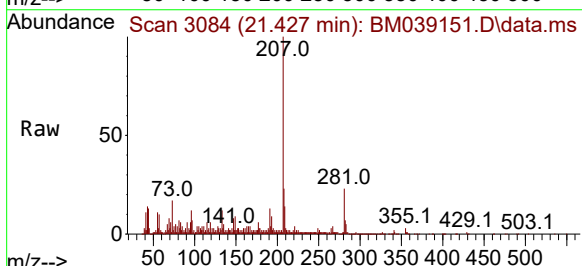
Tgt Ion:149 Resp: 10225

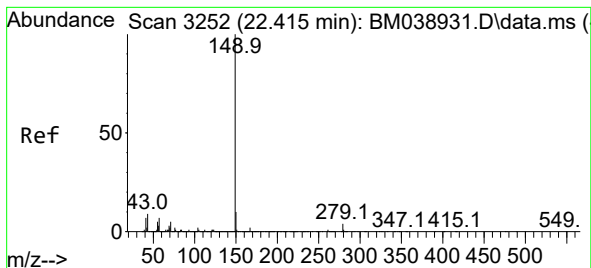
Ion Ratio Lower Upper

149 100

167 41.4 22.3 33.5#

279 8.6 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.837 ng

RT: 22.374 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Instrument :

BNA_M

ClientSampleId :

API-3-3

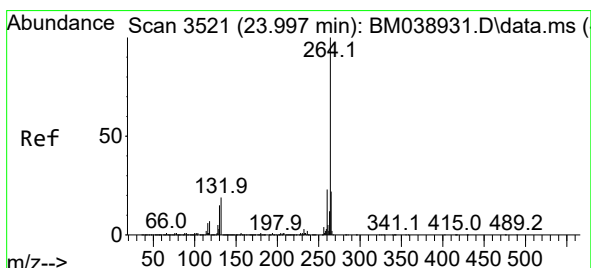
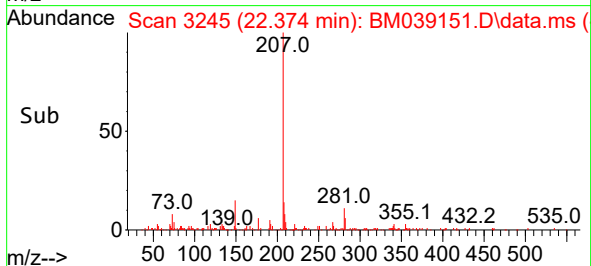
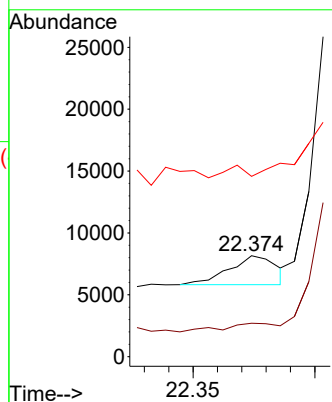
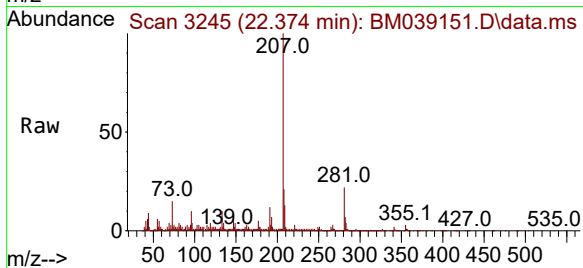
Tgt Ion:149 Resp: 3161

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 38.3 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.939 min Scan# 3511

Delta R.T. -0.017 min

Lab File: BM039151.D

Acq: 24 Mar 2023 20:59

Tgt Ion:264 Resp: 1041025

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.7 17.9 26.9

