

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039121.D
 Acq On : 23 Mar 2023 18:10
 Operator : CG/JU
 Sample : 02036-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11939

Quant Time: Mar 24 04:31:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

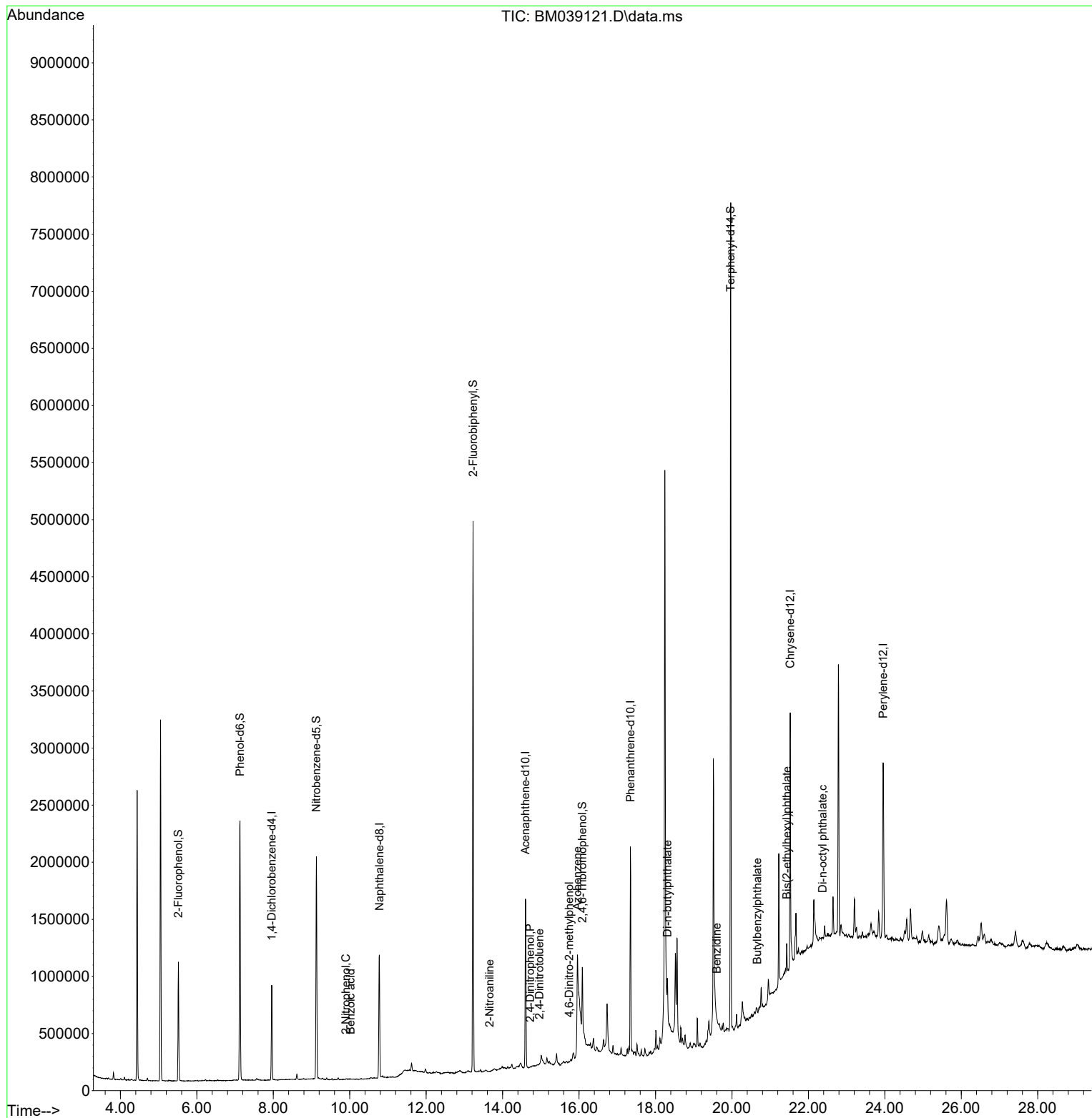
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	227871	20.000	ng	-0.01
21) Naphthalene-d8	10.774	136	891825	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	515702	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1058448	20.000	ng	0.00
76) Chrysene-d12	21.527	240	990523	20.000	ng	0.00
86) Perylene-d12	23.956	264	1094256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	446444	29.766	ng	0.00
7) Phenol-d6	7.128	99	1351739	69.385	ng	0.00
23) Nitrobenzene-d5	9.128	82	1090206	60.048	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	96017	16.094	ng	-0.01
45) 2-Fluorobiphenyl	13.227	172	2332016	58.868	ng	0.00
79) Terphenyl-d14	19.968	244	3427576	63.267	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.898	139	132	3.005	ng	# 1
32) Benzoic acid	10.022	122	562	5.779	ng	90
48) 2-Nitroaniline	13.663	65	592	2.269	ng	# 48
54) 2,4-Dinitrophenol	14.721	184	60	5.202	ng	# 1
57) 2,4-Dinitrotoluene	14.962	165	1039	2.157	ng	# 83
63) Azobenzene	15.956	77	131991	3.231	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.739	198	54	5.095	ng	# 1
74) Di-n-butylphthalate	18.315	149	258019	5.400	ng	98
77) Benzidine	19.603	184	201	4.884	ng	# 1
80) Butylbenzylphthalate	20.662	149	6490	3.507	ng	# 65
84) Bis(2-ethylhexyl)phtha...	21.433	149	88740	4.325	ng	98
85) Di-n-octyl phthalate	22.374	149	5745	3.866	ng	# 74

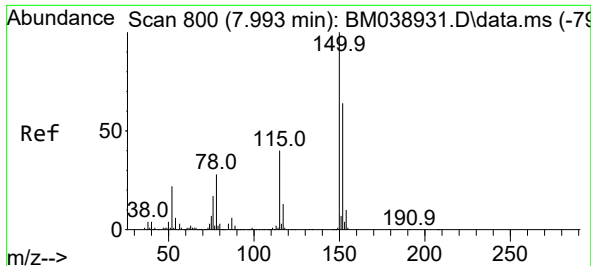
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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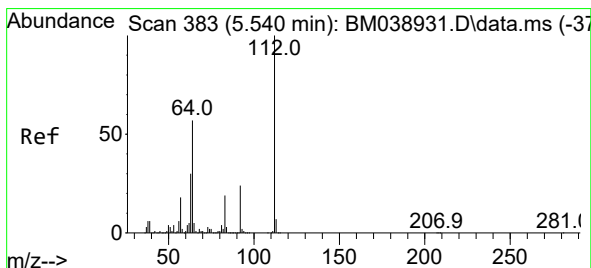
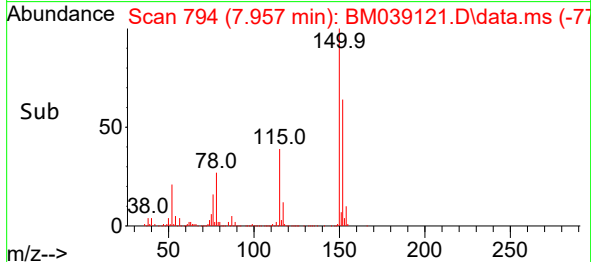
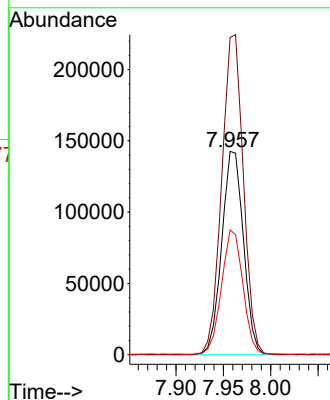
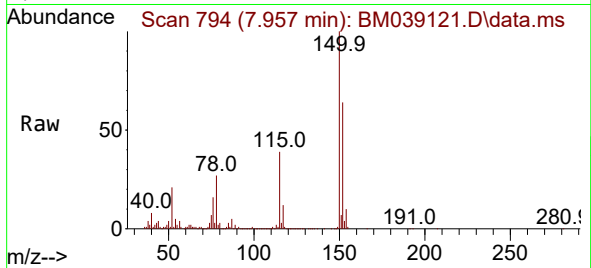




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

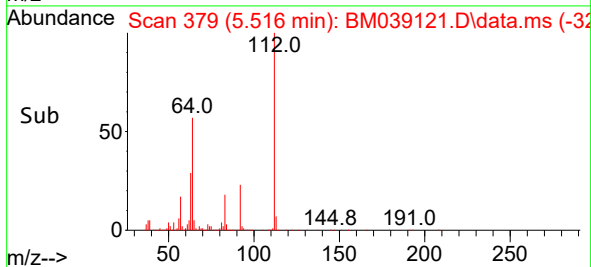
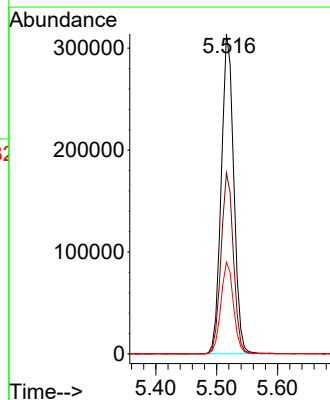
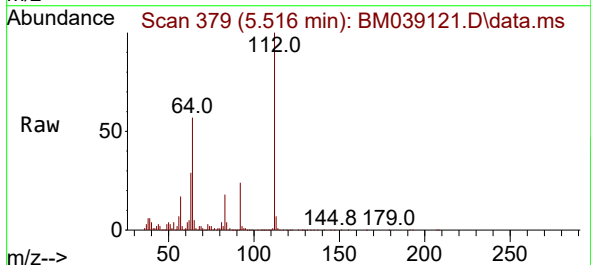
Instrument :
BNA_M
ClientSampleId :
72-11939

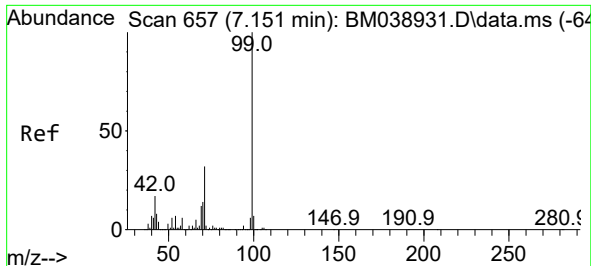
Tgt Ion:152 Resp: 227871
Ion Ratio Lower Upper
152 100
150 156.1 125.1 187.7
115 61.4 49.6 74.4



#5
2-Fluorophenol
Concen: 29.766 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion:112 Resp: 446444
Ion Ratio Lower Upper
112 100
64 56.6 45.9 68.9
63 28.7 23.8 35.8

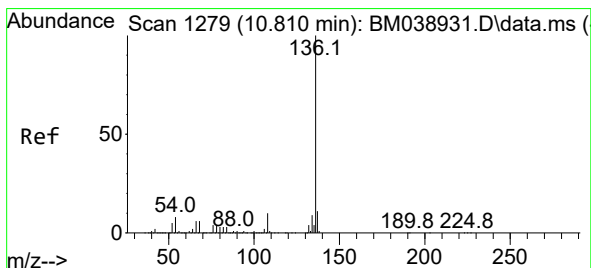
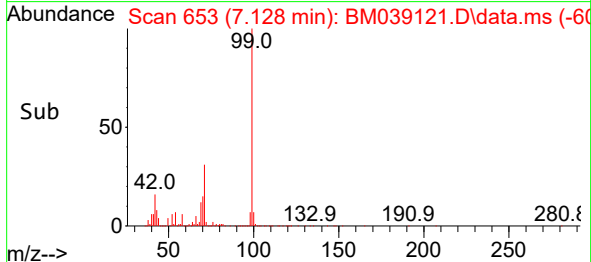
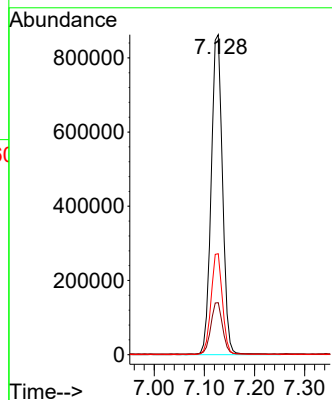
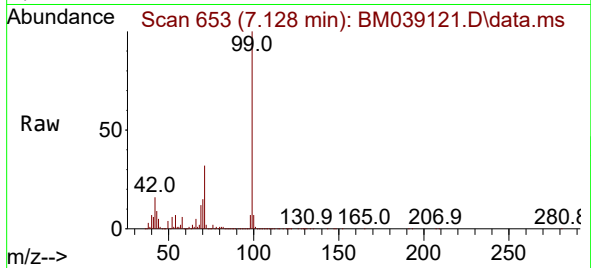




#7
Phenol-d6
Concen: 69.385 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

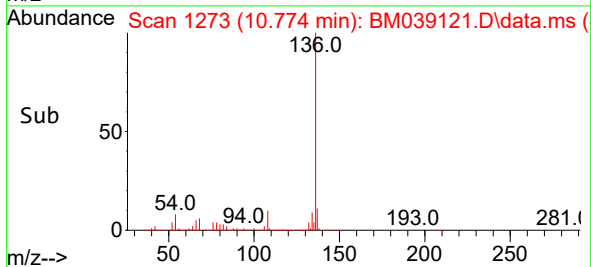
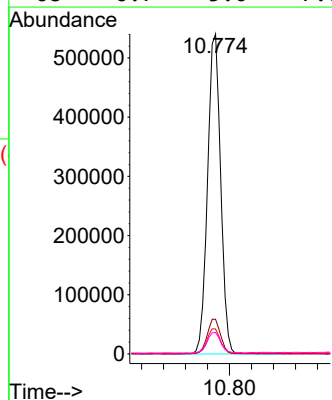
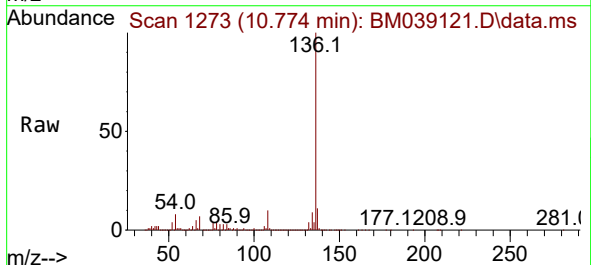
Instrument :
BNA_M
ClientSampleId :
72-11939

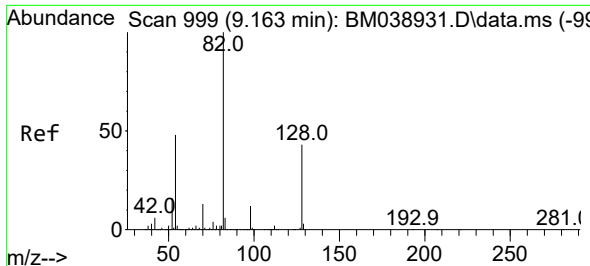
Tgt Ion: 99 Resp: 1351739
Ion Ratio Lower Upper
99 100
42 16.2 13.5 20.3
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.774 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion: 136 Resp: 891825
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.3 9.5
68 6.7 5.0 7.6

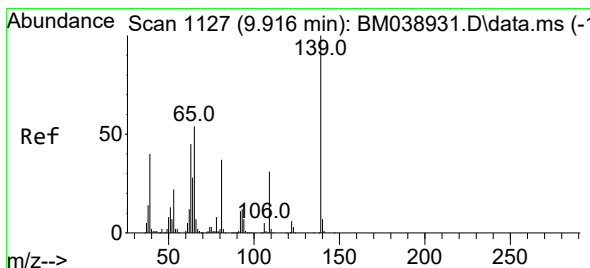
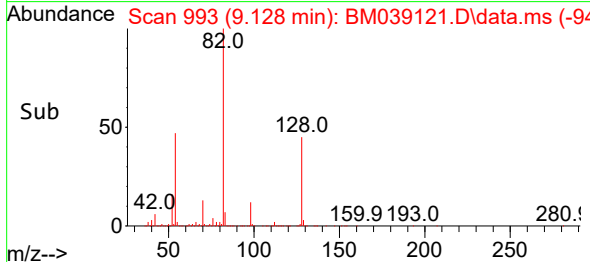
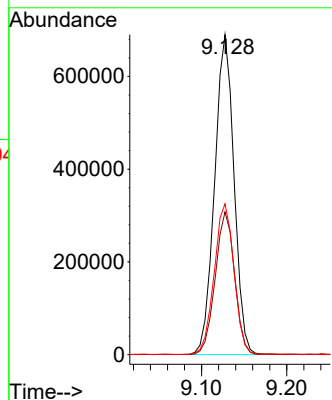
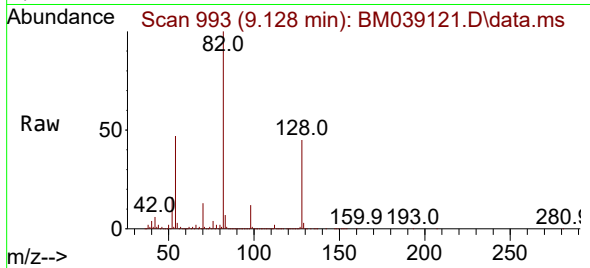




#23
Nitrobenzene-d5
Concen: 60.048 ng
RT: 9.128 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

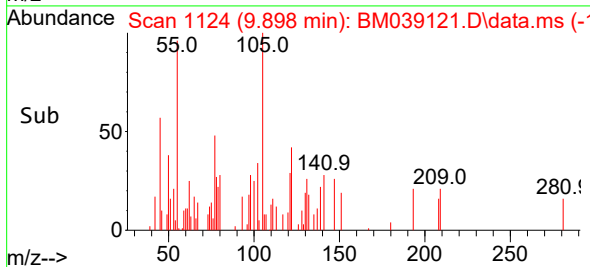
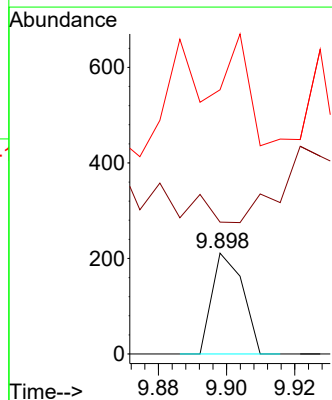
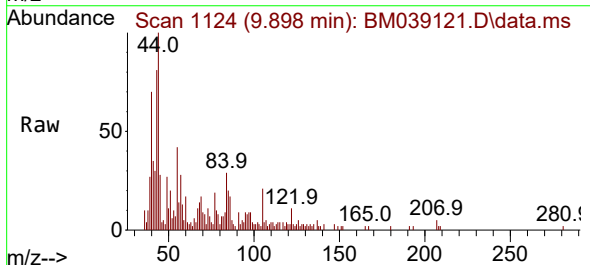
Instrument :
BNA_M
ClientSampleId :
72-11939

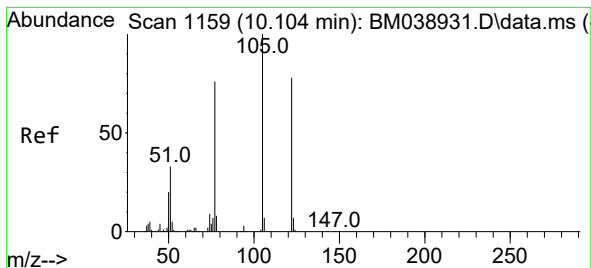
Tgt Ion: 82 Resp: 1090206
Ion Ratio Lower Upper
82 100
128 44.6 34.4 51.6
54 47.1 38.8 58.2



#26
2-Nitrophenol
Concen: 3.005 ng
RT: 9.898 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion: 139 Resp: 132
Ion Ratio Lower Upper
139 100
109 130.8 24.5 36.7#
65 262.1 43.0 64.6#





#32

Benzoic acid

Concen: 5.779 ng

RT: 10.022 min Scan# 1145

Delta R.T. -0.065 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

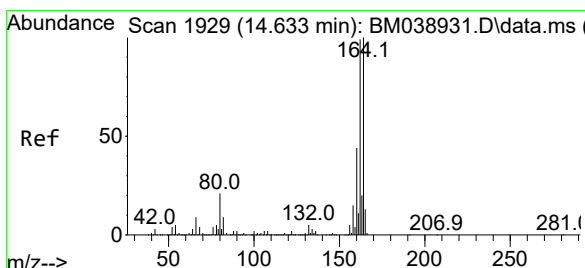
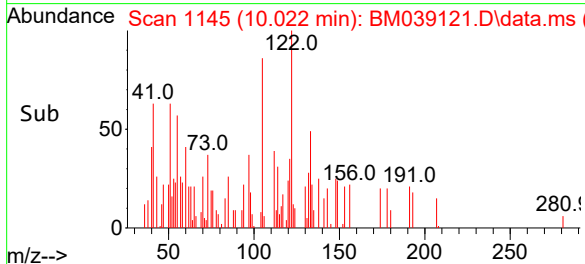
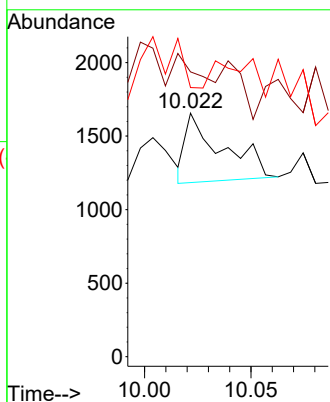
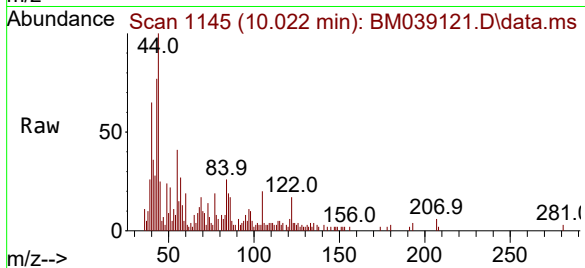
Tgt Ion:122 Resp: 562

Ion Ratio Lower Upper

122 100

105 117.0 104.2 144.2

77 110.5 75.1 115.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1923

Delta R.T. -0.012 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

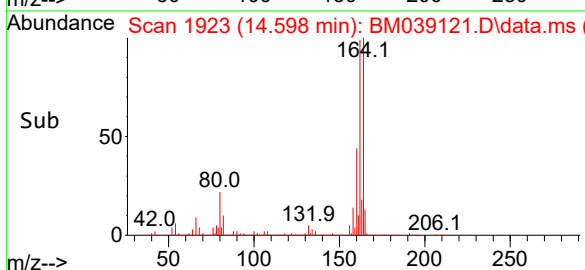
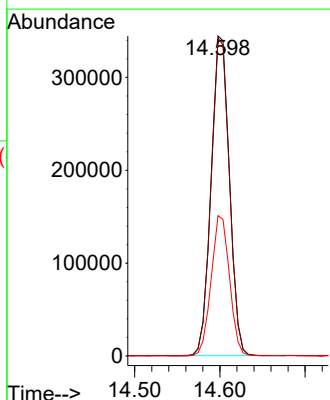
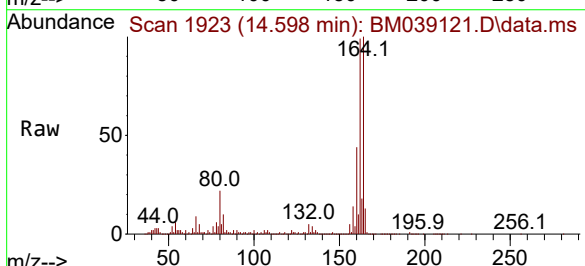
Tgt Ion:164 Resp: 515702

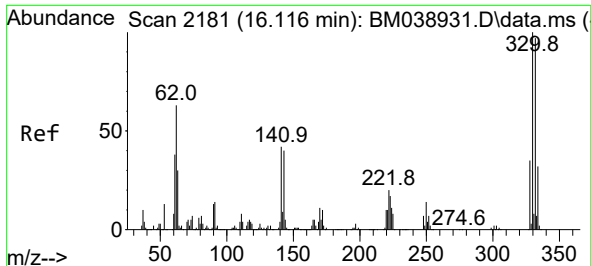
Ion Ratio Lower Upper

164 100

162 99.4 79.2 118.8

160 43.8 35.5 53.3

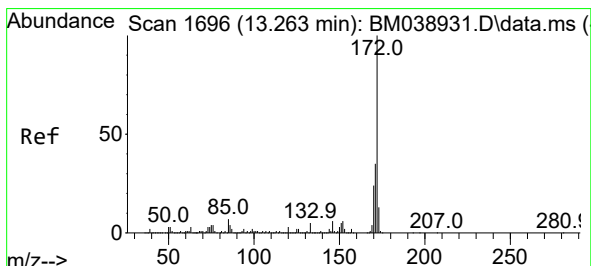
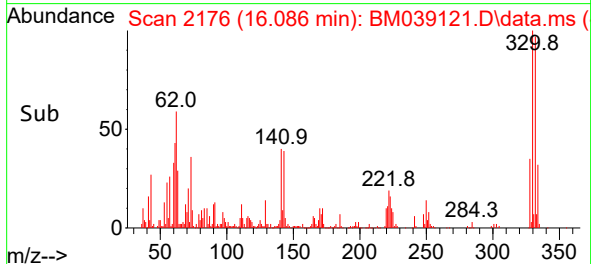
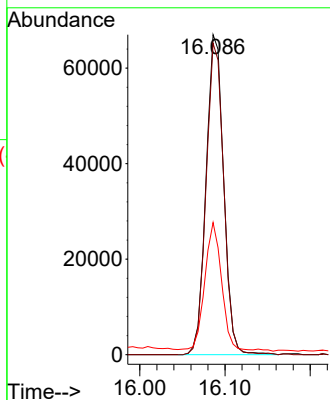
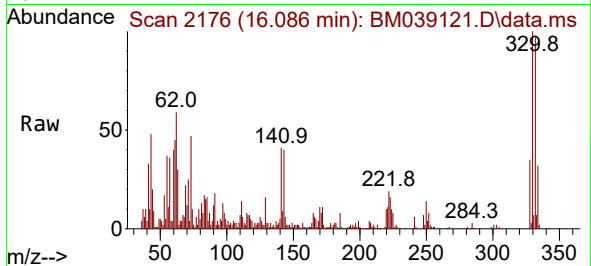




#42
2,4,6-Tribromophenol
Concen: 16.094 ng
RT: 16.086 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

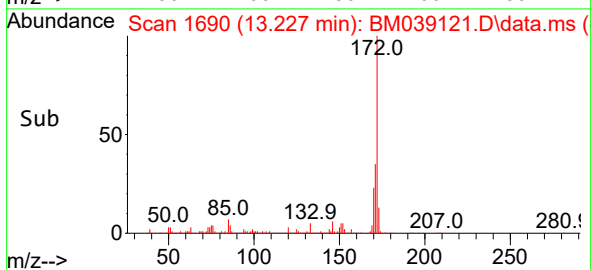
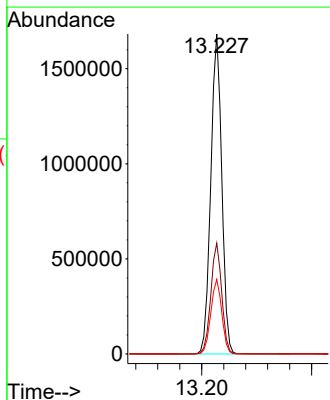
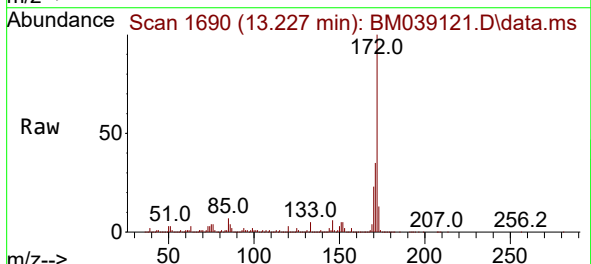
Instrument :
BNA_M
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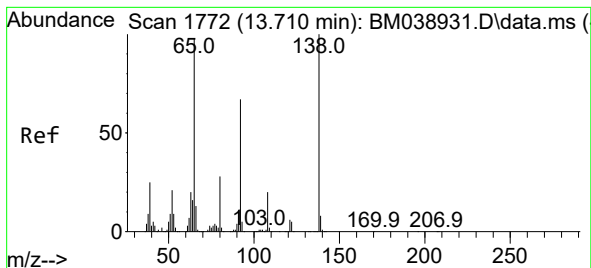
Tgt Ion:330 Resp: 96017
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 37.5 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 58.868 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion:172 Resp: 2332016
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.3 19.1 28.7





#48

2-Nitroaniline

Concen: 2.269 ng

RT: 13.663 min Scan# 1

Delta R.T. -0.030 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

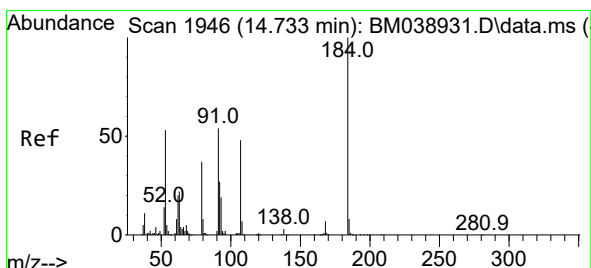
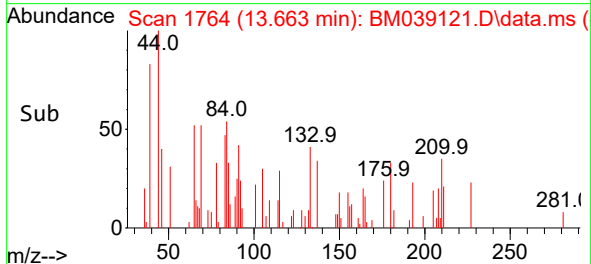
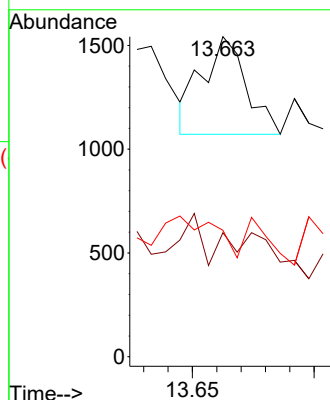
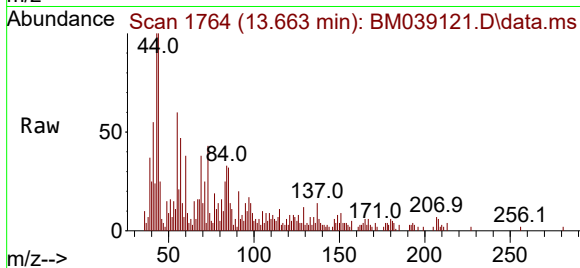
Tgt Ion: 65 Resp: 592

Ion Ratio Lower Upper

65 100

92 38.8 54.9 82.3#

138 39.5 81.6 122.4#



#54

2,4-Dinitrophenol

Concen: 5.202 ng

RT: 14.721 min Scan# 1944

Delta R.T. 0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

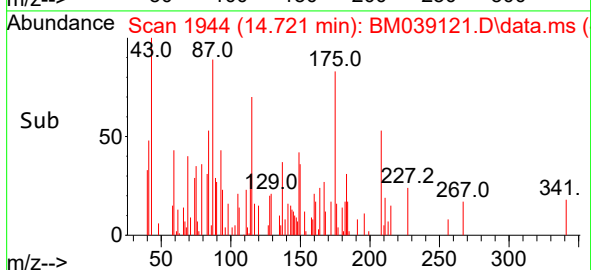
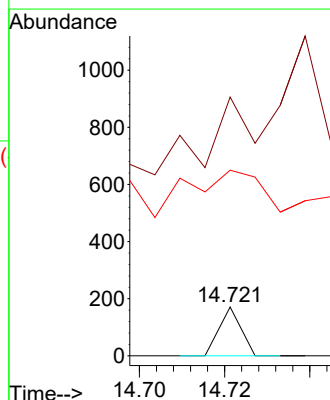
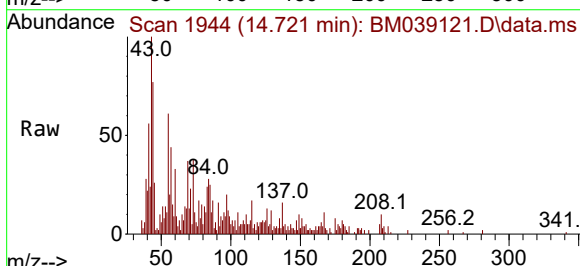
Tgt Ion:184 Resp: 60

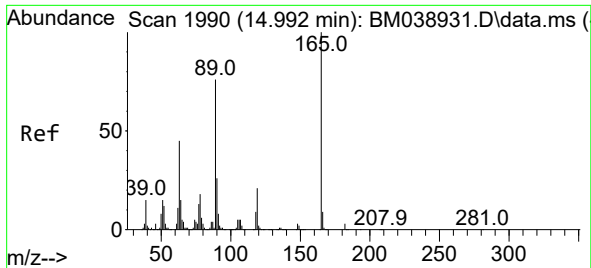
Ion Ratio Lower Upper

184 100

63 529.8 60.6 90.8#

154 380.1 51.4 77.2#





#57

2,4-Dinitrotoluene

Concen: 2.157 ng

RT: 14.962 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

Tgt Ion:165 Resp: 1039

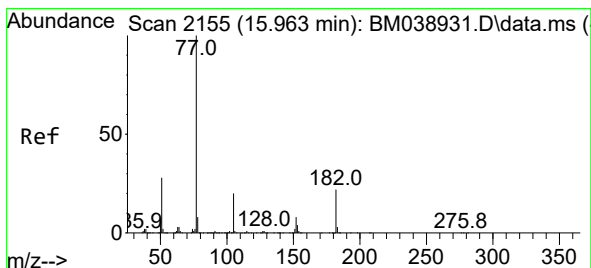
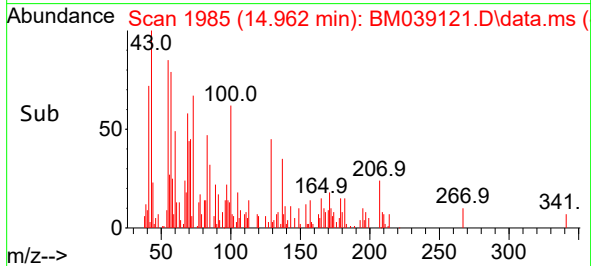
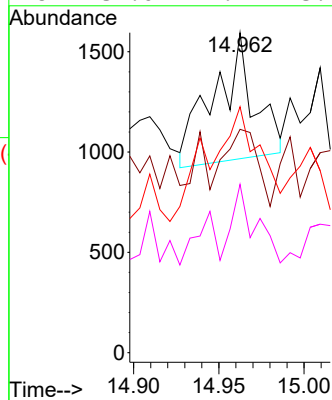
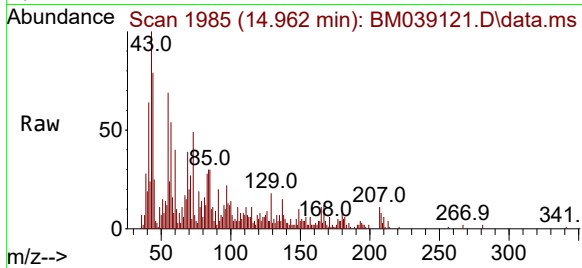
Ion Ratio Lower Upper

165 100

63 69.8 35.9 53.9#

89 76.9 61.0 91.6

182 52.6 2.1 3.1#



#63

Azobenzene

Concen: 3.231 ng

RT: 15.956 min Scan# 2154

Delta R.T. 0.018 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Tgt Ion: 77 Resp: 131991

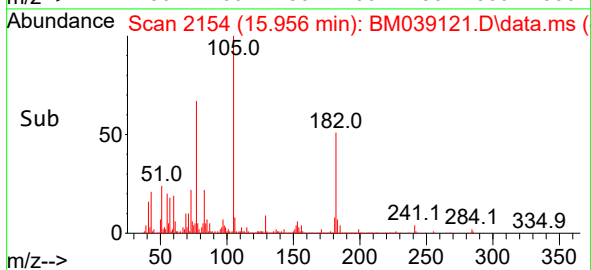
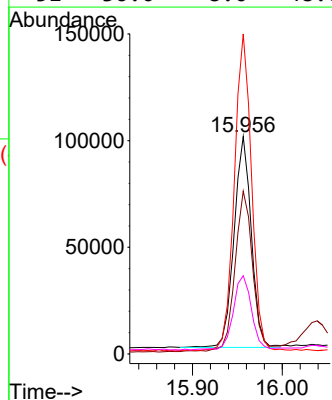
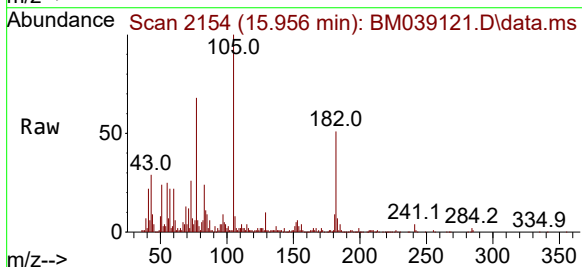
Ion Ratio Lower Upper

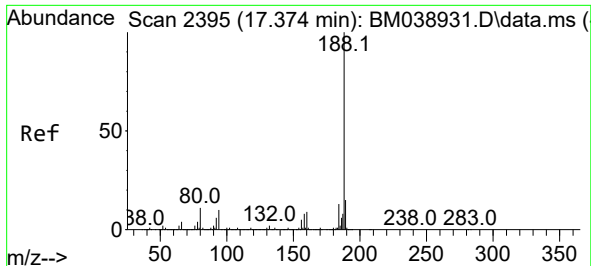
77 100

182 74.9 2.0 42.0#

105 147.1 0.4 40.4#

51 36.0 8.0 48.0

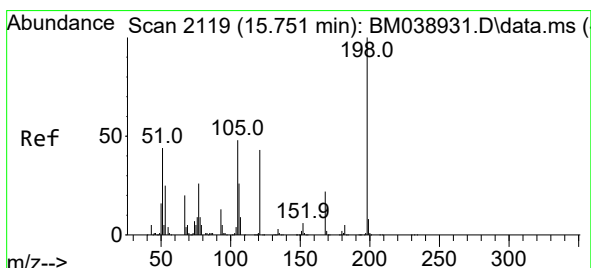
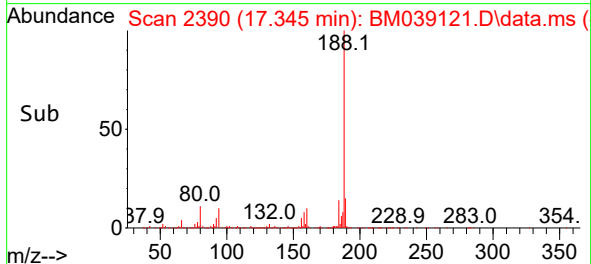
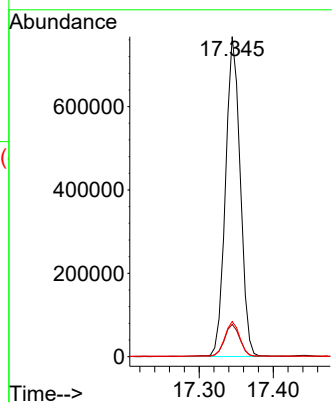
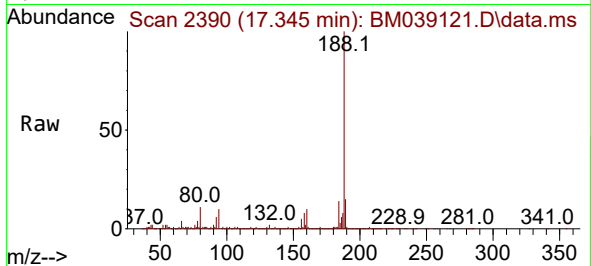




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

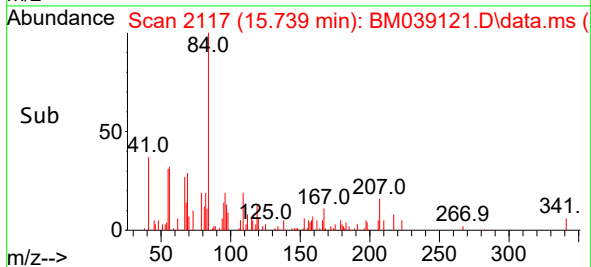
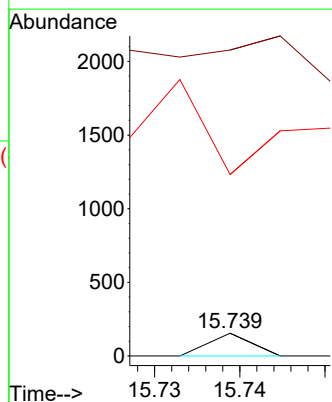
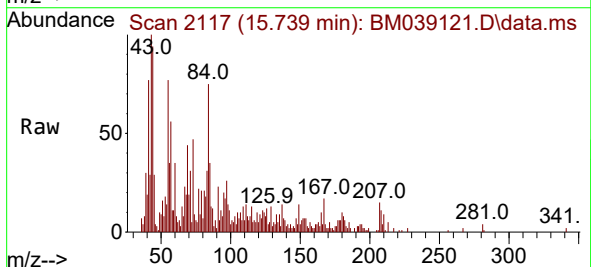
Instrument :
BNA_M
ClientSampleId :
72-11939

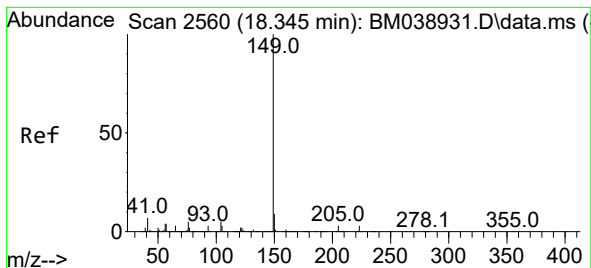
Tgt Ion:188 Resp: 1058448
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 11.0 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 5.095 ng
RT: 15.739 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 1348.7 30.1 70.1#
105 800.0 29.3 69.3#





#74

Di-n-butylphthalate

Concen: 5.400 ng

RT: 18.315 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

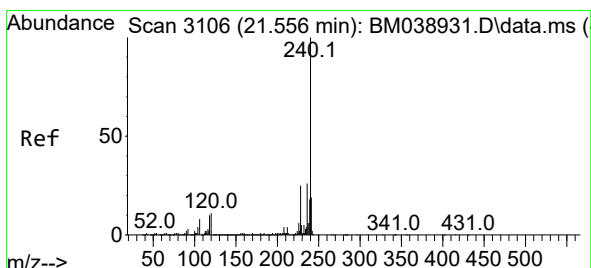
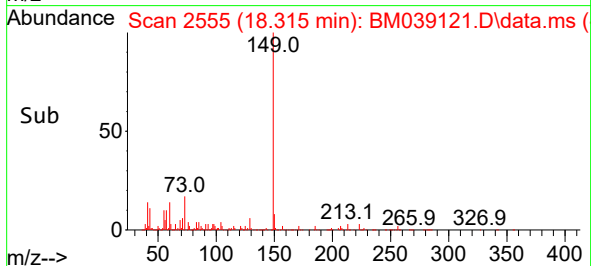
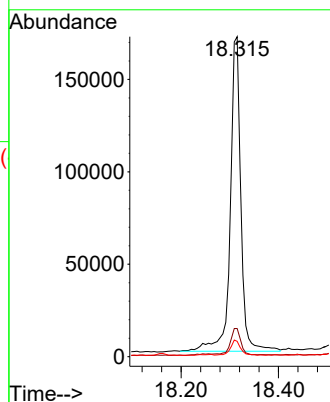
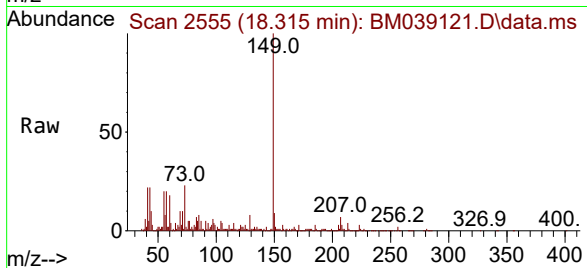
Tgt Ion:149 Resp: 258019

Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 4.8 4.3 6.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

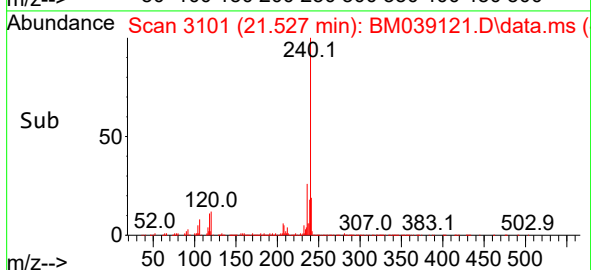
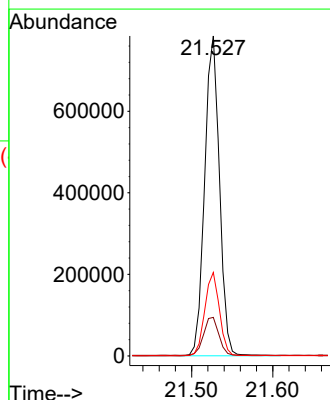
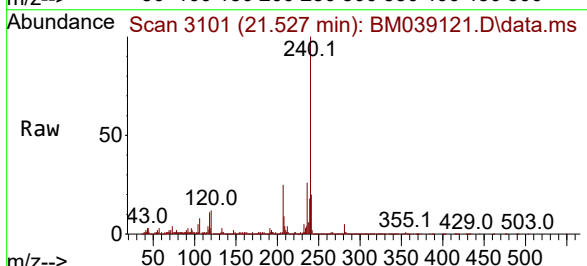
Tgt Ion:240 Resp: 990523

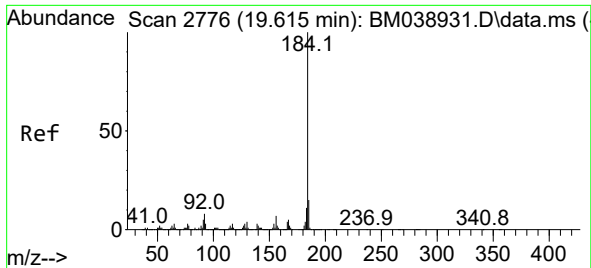
Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 26.1 20.8 31.2

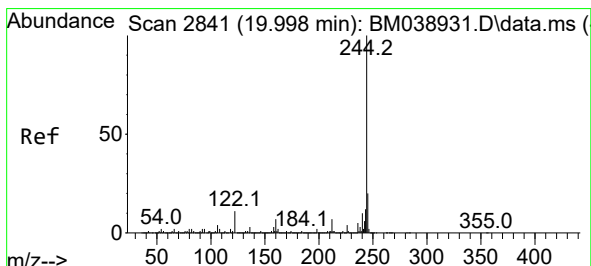
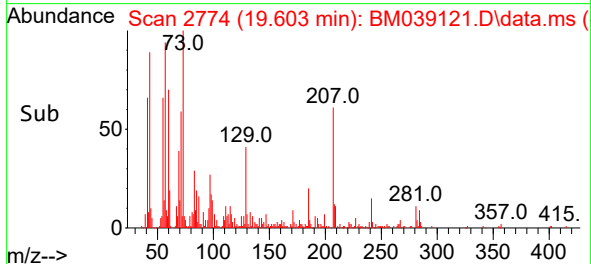
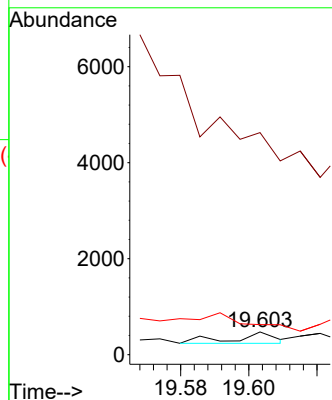
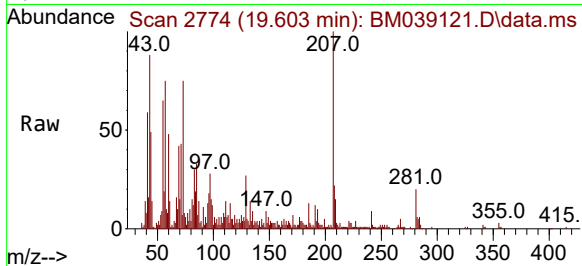




#77
Benzidine
Concen: 4.884 ng
RT: 19.603 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

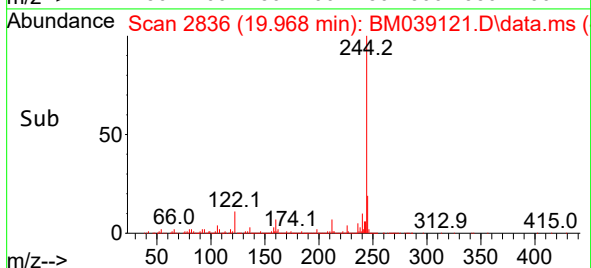
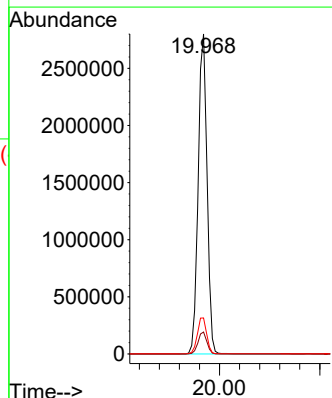
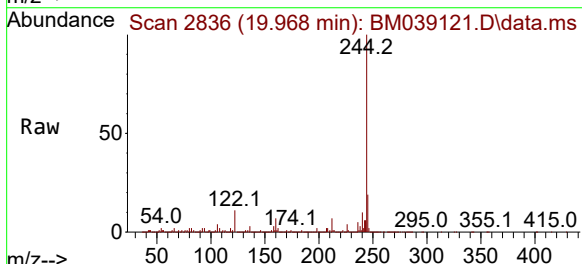
Instrument :
BNA_M
ClientSampleId :
72-11939

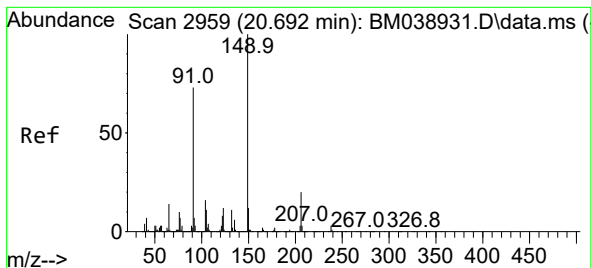
Tgt Ion:184 Resp: 201
Ion Ratio Lower Upper
184 100
185 978.2 12.2 18.4#
183 132.8 8.8 13.2#



#79
Terphenyl-d14
Concen: 63.267 ng
RT: 19.968 min Scan# 2836
Delta R.T. -0.000 min
Lab File: BM039121.D
Acq: 23 Mar 2023 18:10

Tgt Ion:244 Resp: 3427576
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.2 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.507 ng

RT: 20.662 min Scan# 2959

Delta R.T. -0.000 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

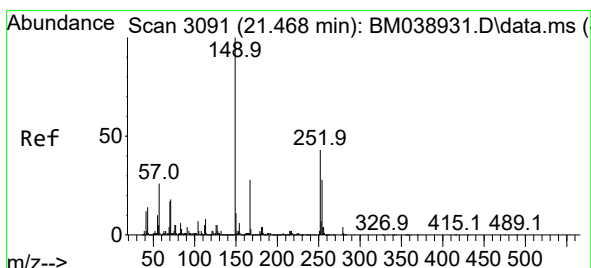
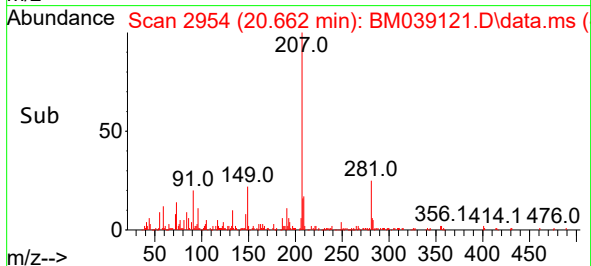
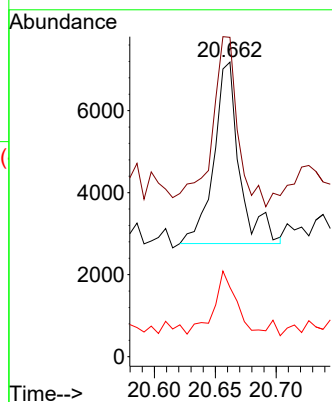
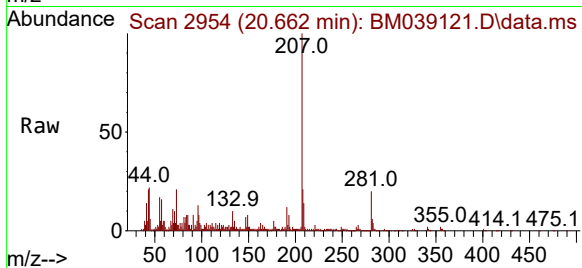
Tgt Ion:149 Resp: 6490

Ion Ratio Lower Upper

149 100

91 108.5 58.4 87.6#

206 23.5 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.325 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

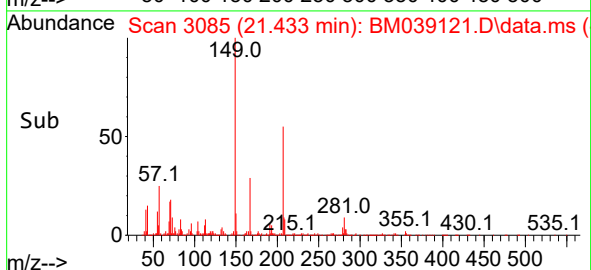
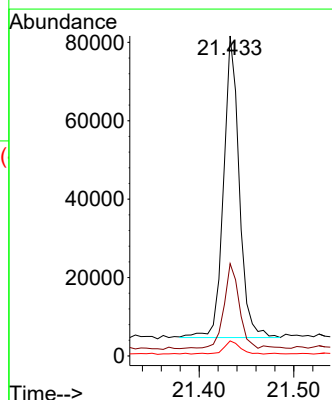
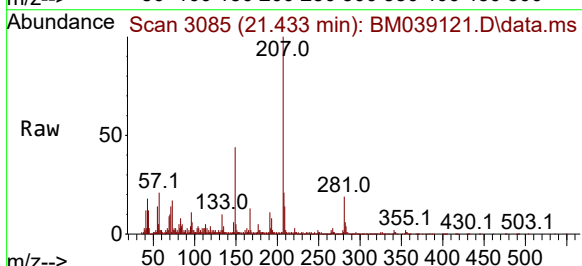
Tgt Ion:149 Resp: 88740

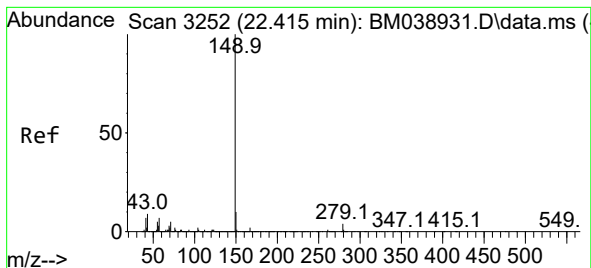
Ion Ratio Lower Upper

149 100

167 28.8 22.3 33.5

279 4.7 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 3.866 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Instrument :

BNA_M

ClientSampleId :

72-11939

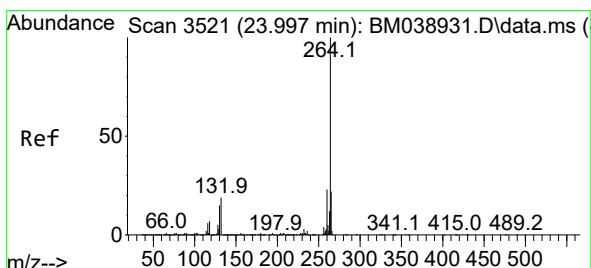
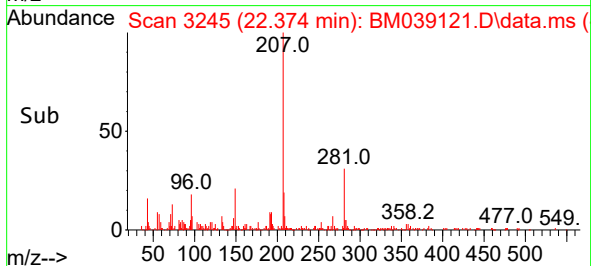
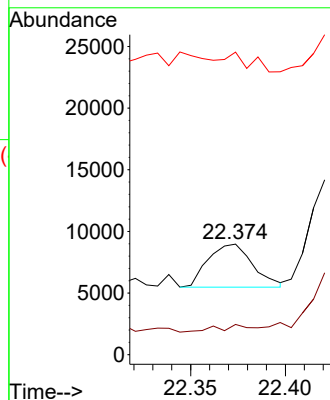
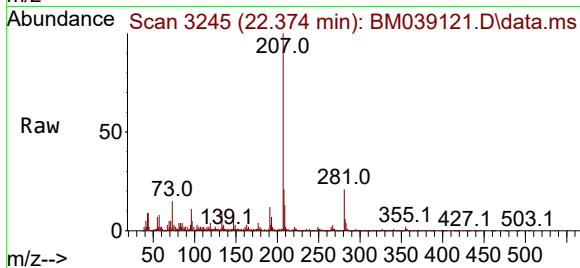
Tgt Ion:149 Resp: 5745

Ion Ratio Lower Upper

149 100

167 13.2 1.2 1.8#

43 0.0 7.4 11.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM039121.D

Acq: 23 Mar 2023 18:10

Tgt Ion:264 Resp: 1094256

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.1 17.9 26.9

