

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032423\
 Data File : BM039144.D
 Acq On : 24 Mar 2023 16:35
 Operator : CG/JU
 Sample : 02047-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 R-PIT

Quant Time: Mar 25 01:05:36 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)

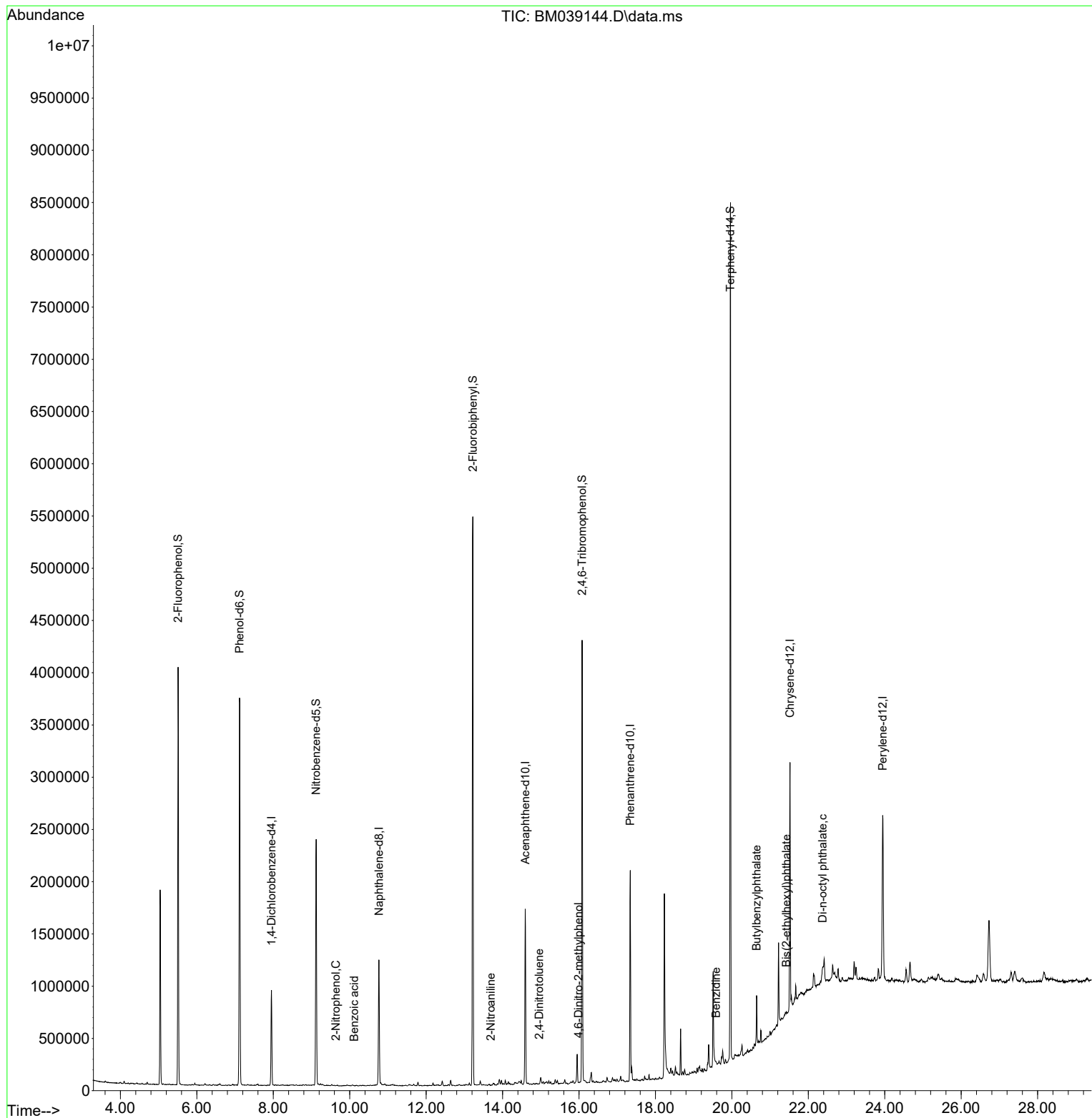
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	244384	20.000	ng	0.00
21) Naphthalene-d8	10.763	136	975088	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	561619	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1172207	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1065680	20.000	ng	0.00
86) Perylene-d12	23.945	264	1174102	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1698046	105.564	ng	0.00
7) Phenol-d6	7.116	99	2190468	104.840	ng	0.00
23) Nitrobenzene-d5	9.122	82	1349146	67.965	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	729530	112.287	ng	0.00
45) 2-Fluorobiphenyl	13.222	172	2796804	64.828	ng	0.00
79) Terphenyl-d14	19.962	244	3945171	67.685	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.640	139	59	2.997	ng	# 3
32) Benzoic acid	10.116	122	128	5.742	ng	# 1
48) 2-Nitroaniline	13.692	65	40	2.219	ng	# 65
57) 2,4-Dinitrotoluene	14.957	165	313	2.095	ng	# 78
65) 4,6-Dinitro-2-methylph...	15.986	198	62	5.095	ng	# 1
77) Benzidine	19.586	184	162	4.882	ng	# 1
80) Butylbenzylphthalate	20.645	149	982	3.343	ng	# 28
84) Bis(2-ethylhexyl)phtha...	21.427	149	8296	2.645	ng	# 88
85) Di-n-octyl phthalate	22.374	149	3845	3.840	ng	# 1

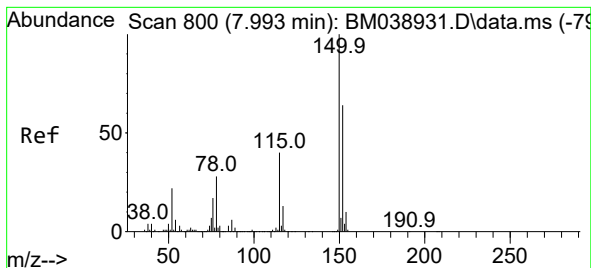
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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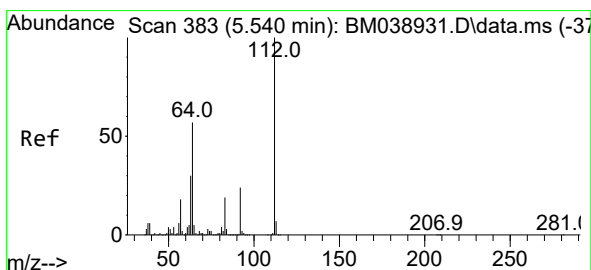
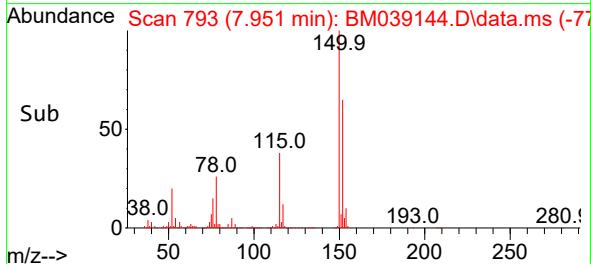
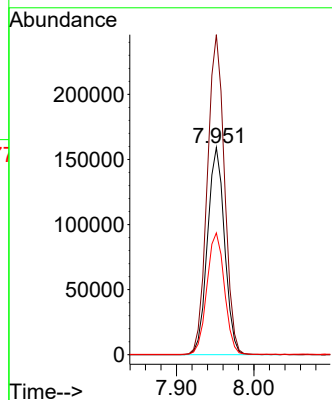
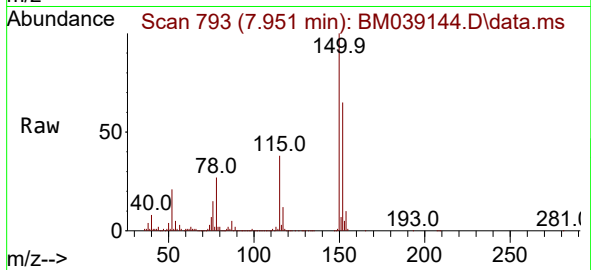




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 79
Delta R.T. 0.000 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

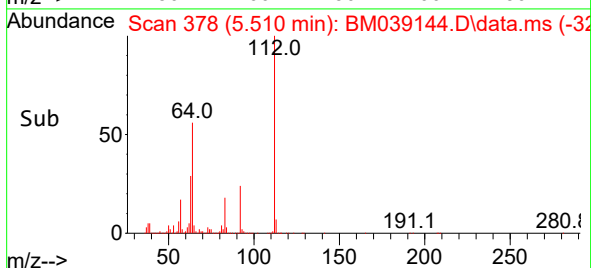
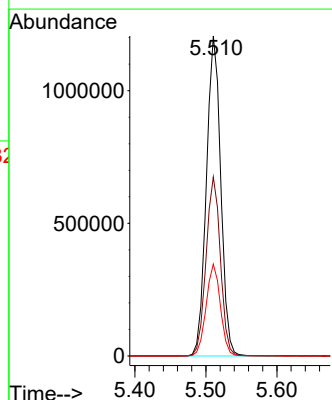
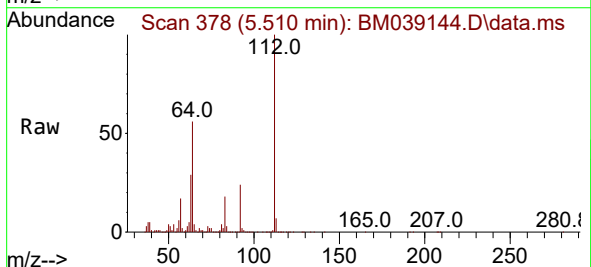
Instrument :
BNA_M
ClientSampleId :
R-PIT

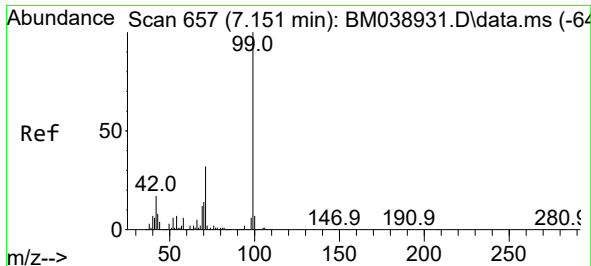
Tgt Ion:152 Resp: 244384
Ion Ratio Lower Upper
152 100
150 154.5 125.1 187.7
115 58.8 49.6 74.4



#5
2-Fluorophenol
Concen: 105.564 ng
RT: 5.510 min Scan# 378
Delta R.T. 0.006 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

Tgt Ion:112 Resp: 1698046
Ion Ratio Lower Upper
112 100
64 56.0 45.9 68.9
63 28.7 23.8 35.8

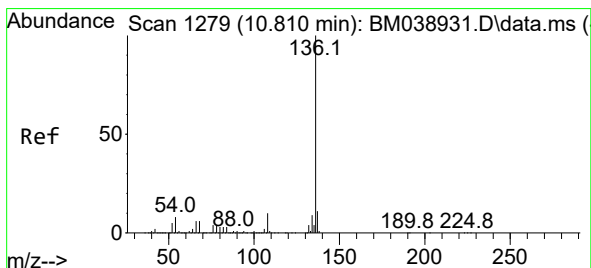
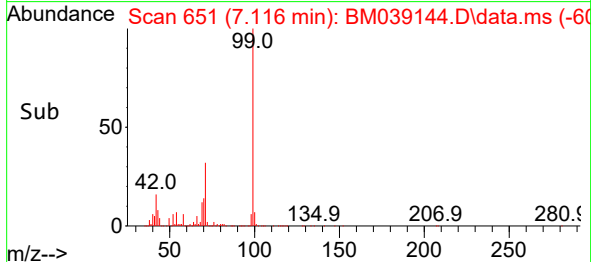
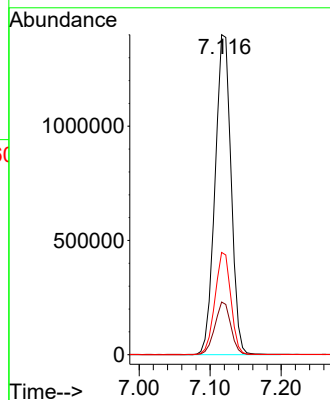
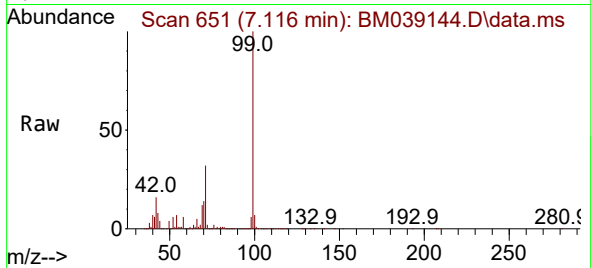




#7
Phenol-d6
Concen: 104.840 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

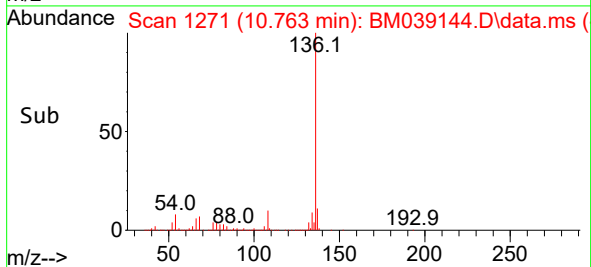
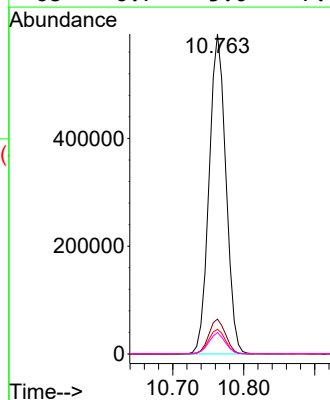
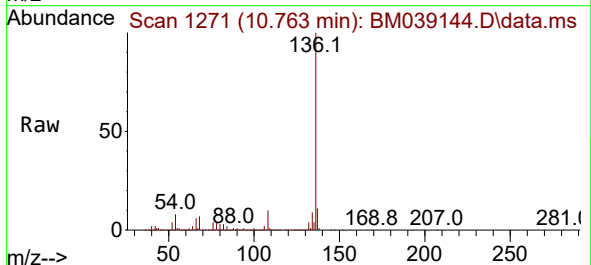
Instrument :
BNA_M
ClientSampleId :
R-PIT

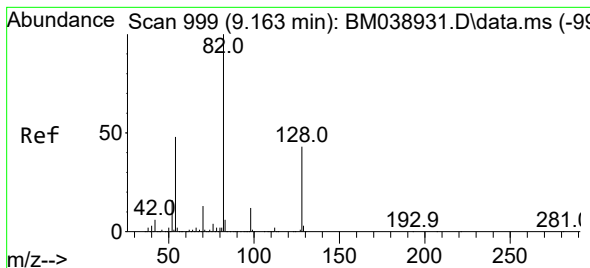
Tgt Ion: 99 Resp: 2190468
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

Tgt Ion: 136 Resp: 975088
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 6.3 9.5
68 6.7 5.0 7.6





#23

Nitrobenzene-d5

Concen: 67.965 ng

RT: 9.122 min Scan# 999

Delta R.T. 0.000 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Instrument :

BNA_M

ClientSampleId :

R-PIT

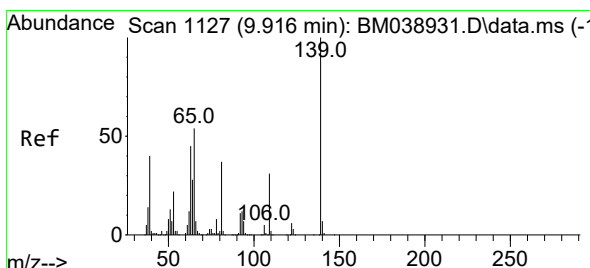
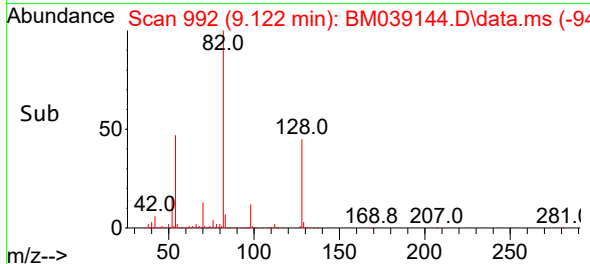
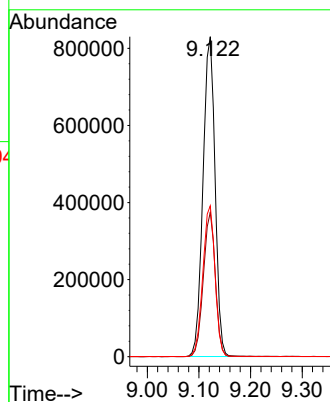
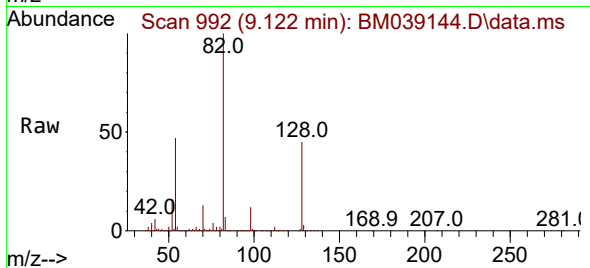
Tgt Ion: 82 Resp: 1349146

Ion Ratio Lower Upper

82 100

128 45.1 34.4 51.6

54 47.2 38.8 58.2



#26

2-Nitrophenol

Concen: 2.997 ng

RT: 9.640 min Scan# 1080

Delta R.T. -0.241 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

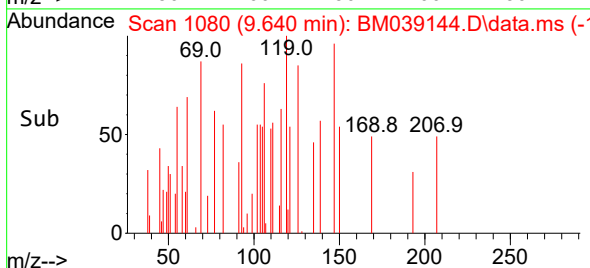
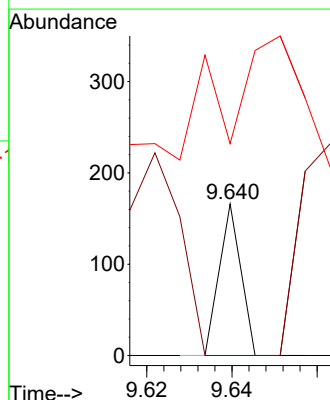
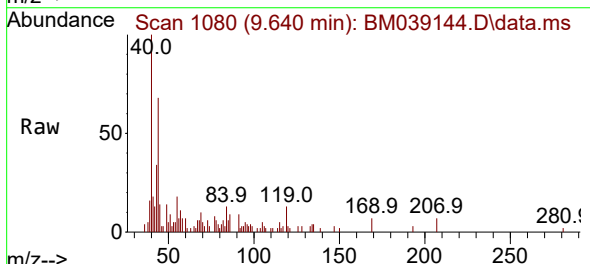
Tgt Ion:139 Resp: 59

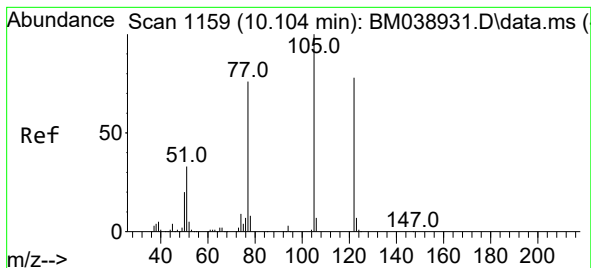
Ion Ratio Lower Upper

139 100

109 0.0 24.5 36.7#

65 139.8 43.0 64.6#





#32

Benzoic acid

Concen: 5.742 ng

RT: 10.116 min Scan# 1161

Delta R.T. 0.024 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Instrument :

BNA_M

ClientSampleId :

R-PIT

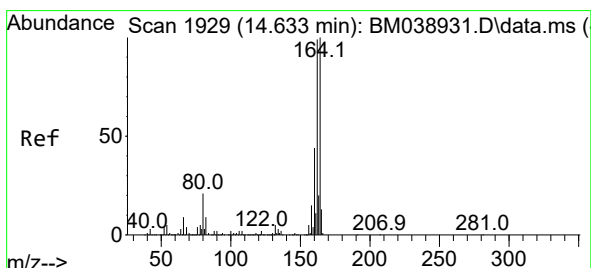
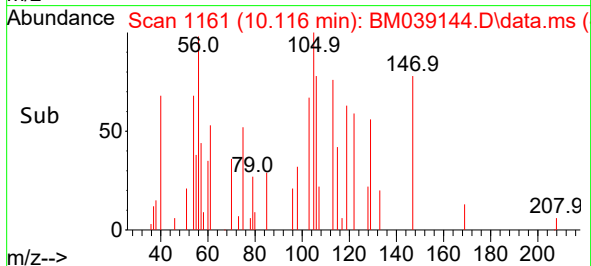
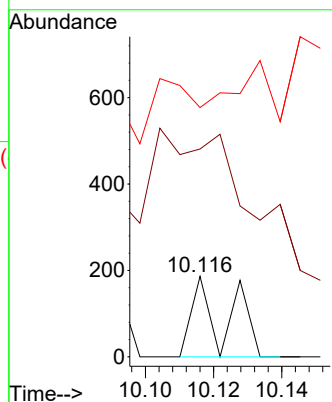
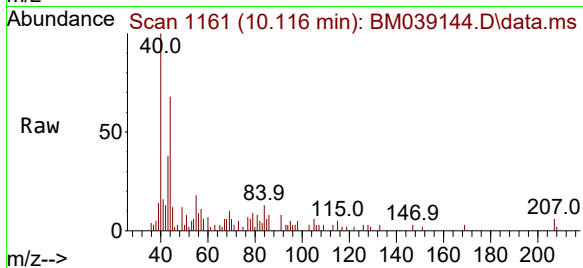
Tgt Ion:122 Resp: 128

Ion Ratio Lower Upper

122 100

105 258.6 104.2 144.2#

77 310.2 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: BM039144.D

Acq: 24 Mar 2023 16:35

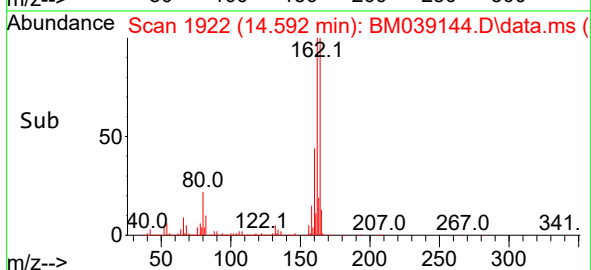
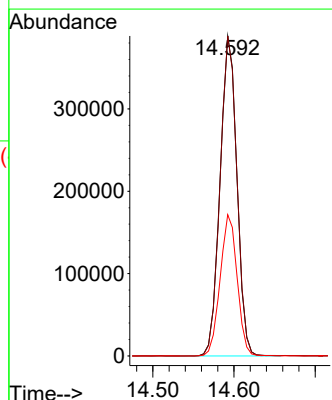
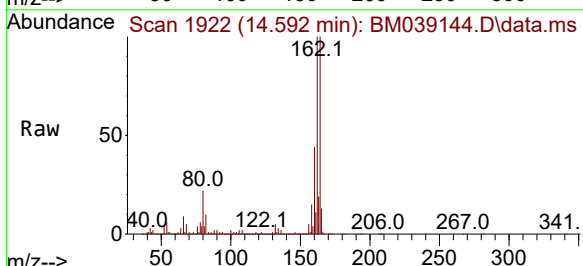
Tgt Ion:164 Resp: 561619

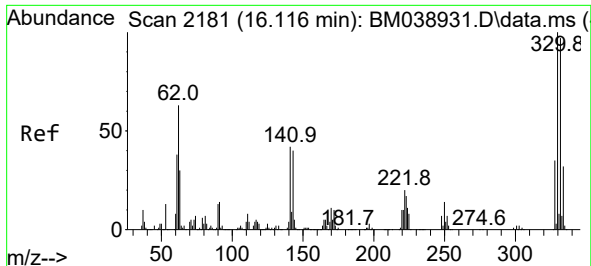
Ion Ratio Lower Upper

164 100

162 100.0 79.2 118.8

160 44.2 35.5 53.3

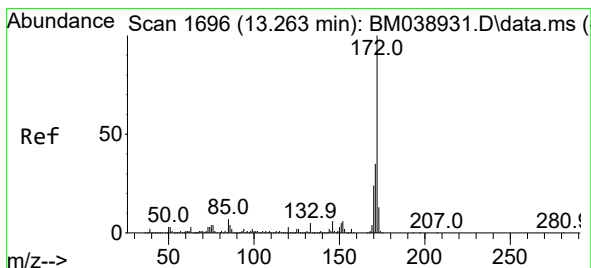
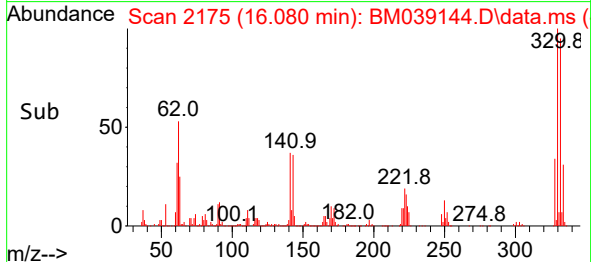
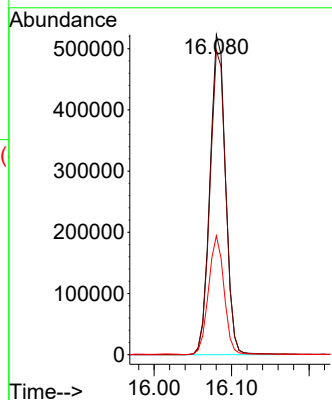
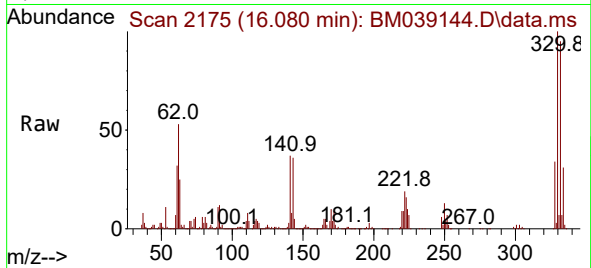




#42
2,4,6-Tribromophenol
Concen: 112.287 ng
RT: 16.080 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

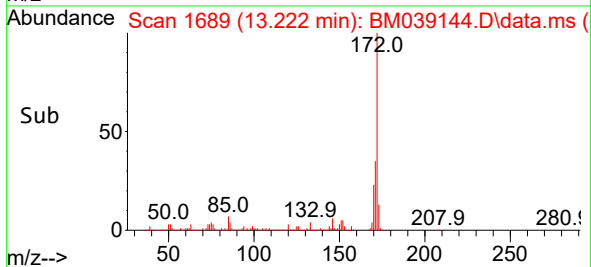
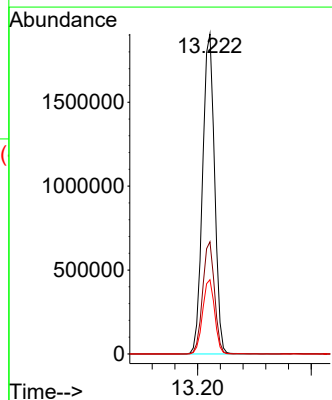
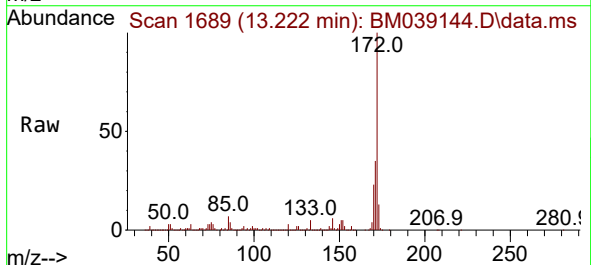
Instrument :
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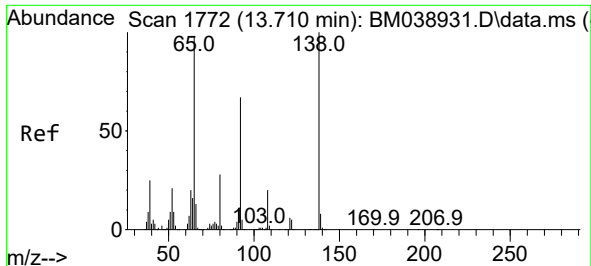
Tgt Ion:330 Resp: 729530
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 36.9 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 64.828 ng
RT: 13.222 min Scan# 1689
Delta R.T. 0.000 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

Tgt Ion:172 Resp: 2796804
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.2 19.1 28.7





#48

2-Nitroaniline

Concen: 2.219 ng

RT: 13.692 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Instrument :

BNA_M

ClientSampleId :

R-PIT

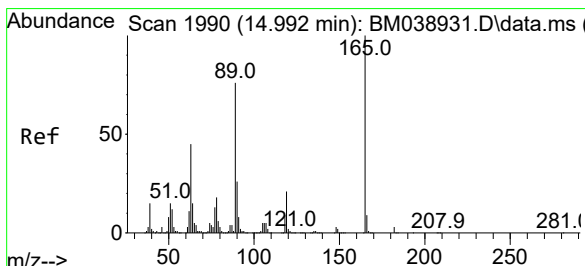
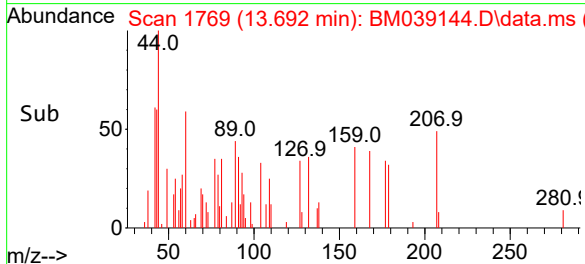
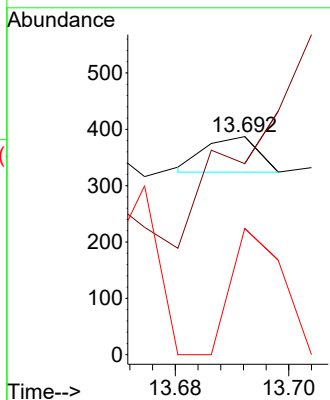
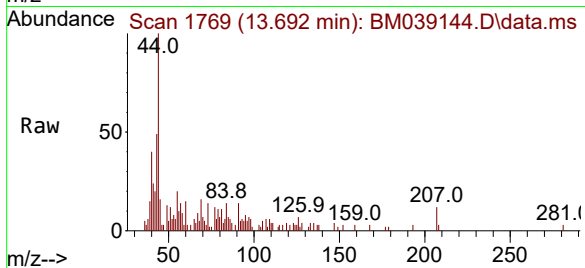
Tgt Ion: 65 Resp: 40

Ion Ratio Lower Upper

65 100

92 87.6 54.9 82.3#

138 57.9 81.6 122.4#



#57

2,4-Dinitrotoluene

Concen: 2.095 ng

RT: 14.957 min Scan# 1984

Delta R.T. -0.006 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Tgt Ion: 165 Resp: 313

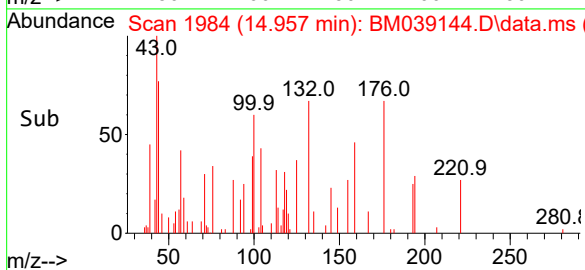
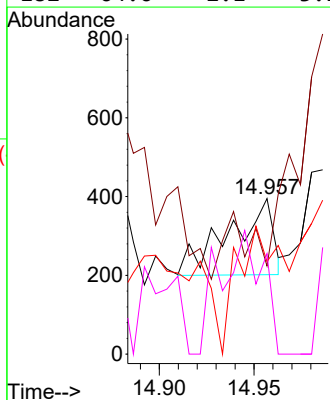
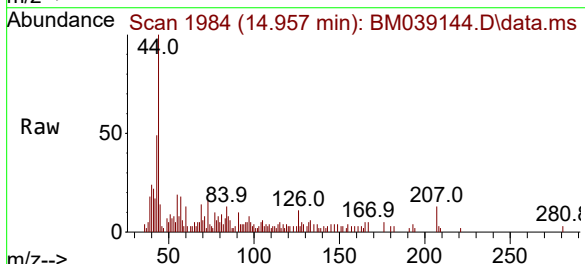
Ion Ratio Lower Upper

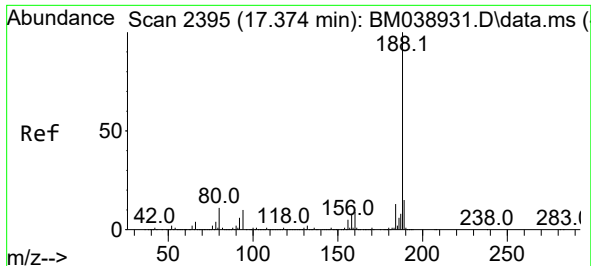
165 100

63 56.7 35.9 53.9#

89 59.5 61.0 91.6#

182 64.6 2.1 3.1#

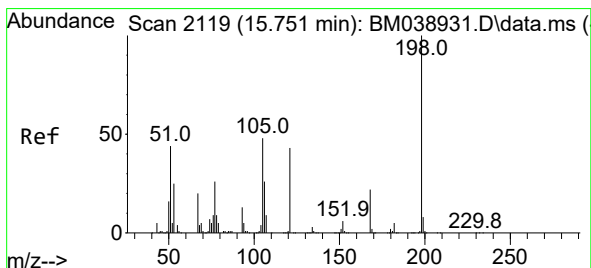
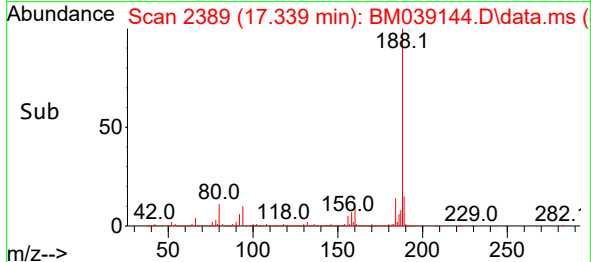
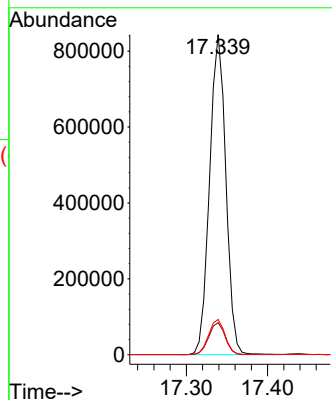
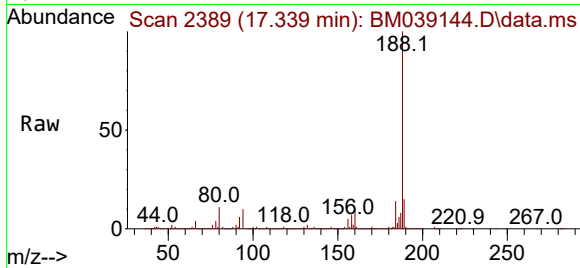




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

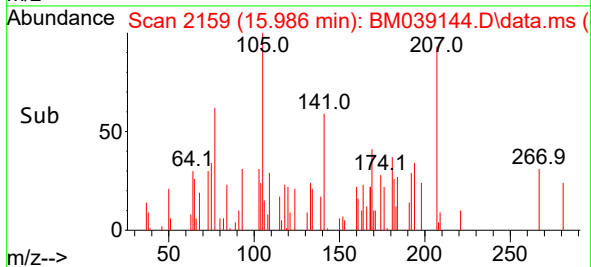
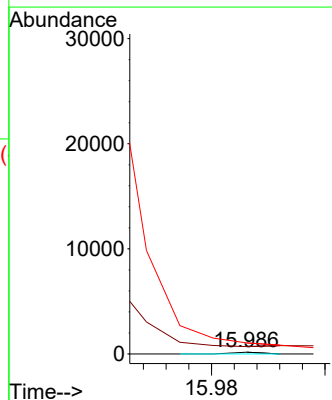
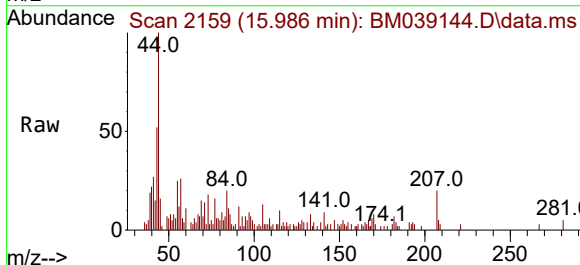
Instrument :
BNA_M
ClientSampleId :
R-PIT

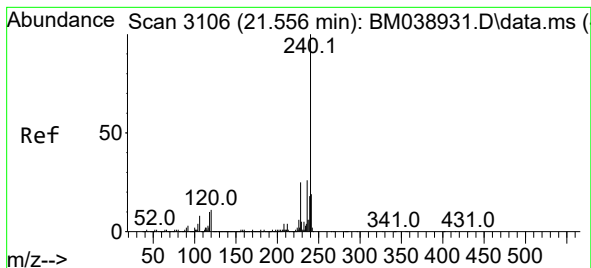
Tgt Ion:188 Resp: 1172207
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 11.0 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 5.095 ng
RT: 15.986 min Scan# 2159
Delta R.T. 0.259 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 400.6 30.1 70.1#
105 601.1 29.3 69.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Instrument :

BNA_M

ClientSampleId :

R-PIT

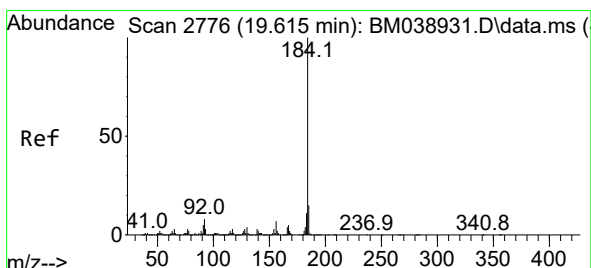
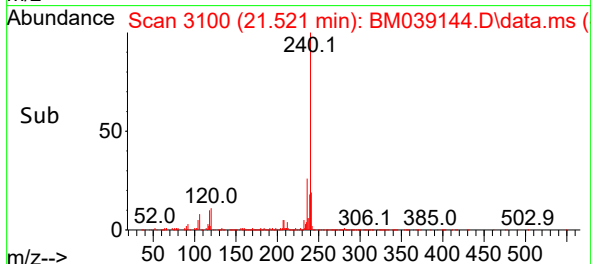
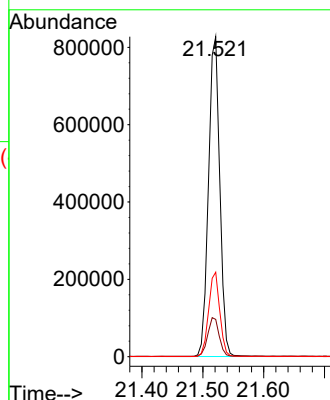
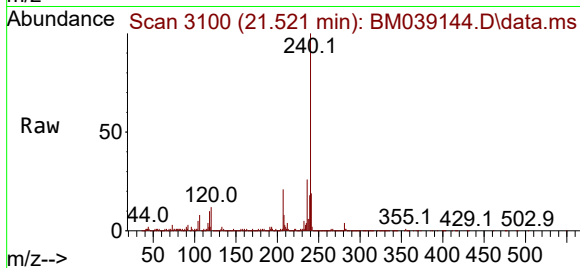
Tgt Ion:240 Resp: 1065680

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

236 26.4 20.8 31.2



#77

Benzidine

Concen: 4.882 ng

RT: 19.586 min Scan# 2771

Delta R.T. 0.000 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

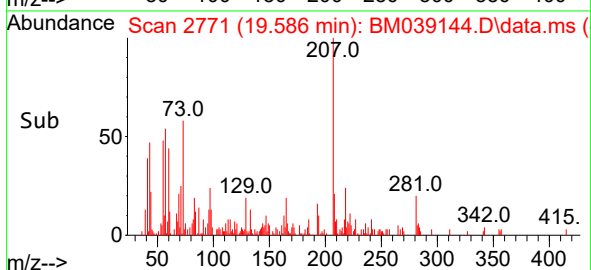
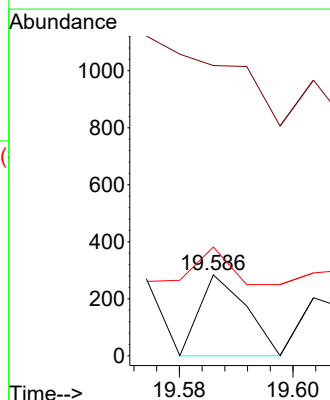
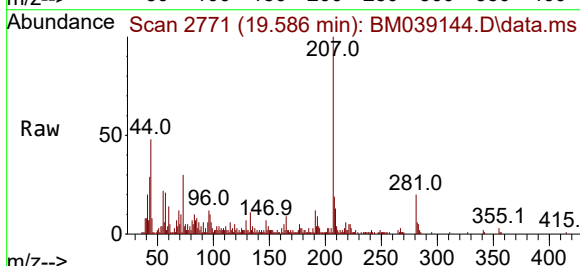
Tgt Ion:184 Resp: 162

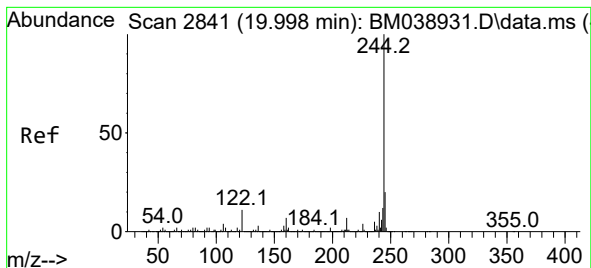
Ion Ratio Lower Upper

184 100

185 358.5 12.2 18.4#

183 134.5 8.8 13.2#





#79

Terphenyl-d14

Concen: 67.685 ng

RT: 19.962 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

Instrument :

BNA_M

ClientSampleId :

R-PIT

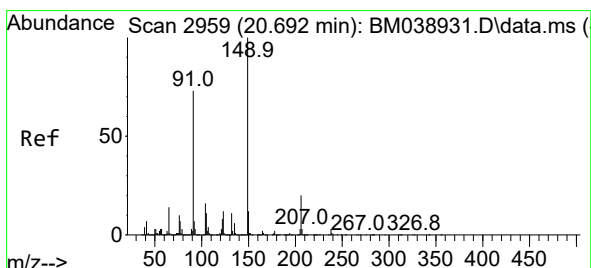
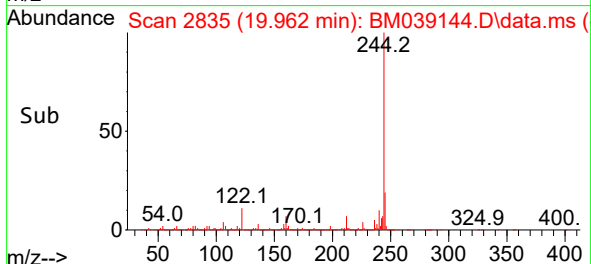
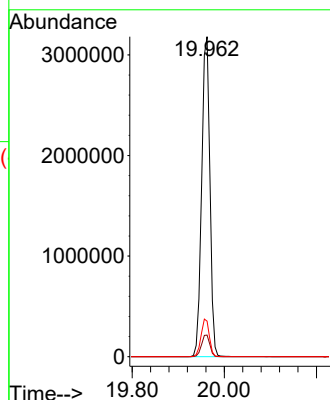
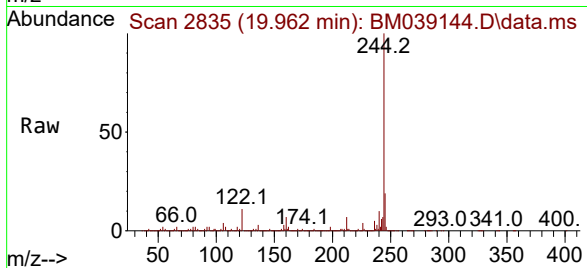
Tgt Ion:244 Resp: 3945171

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.1 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.343 ng

RT: 20.645 min Scan# 2951

Delta R.T. -0.012 min

Lab File: BM039144.D

Acq: 24 Mar 2023 16:35

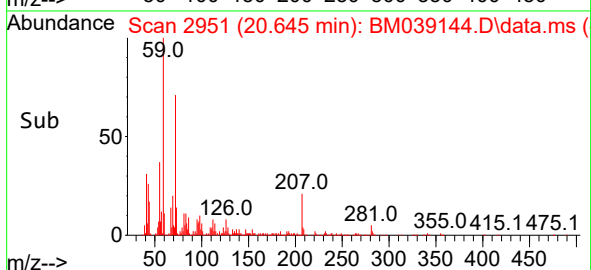
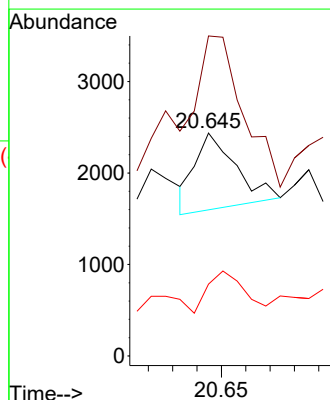
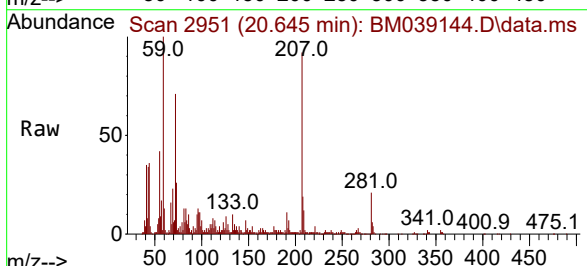
Tgt Ion:149 Resp: 982

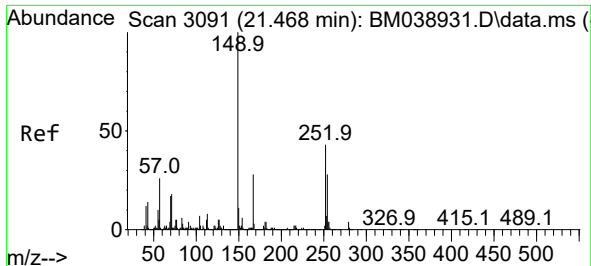
Ion Ratio Lower Upper

149 100

91 143.5 58.4 87.6#

206 32.2 16.1 24.1#

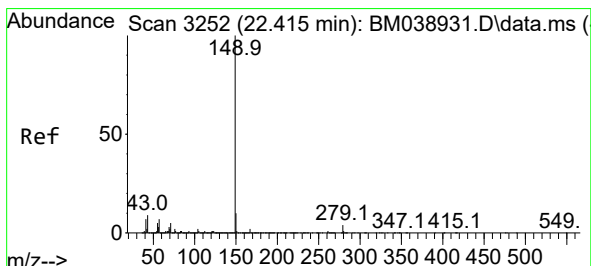
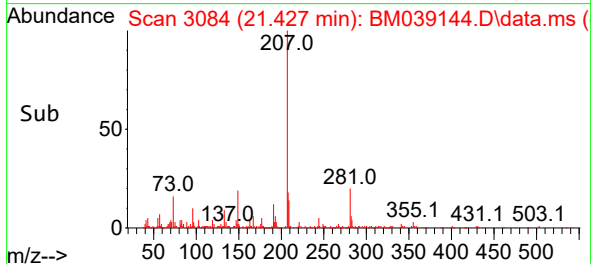
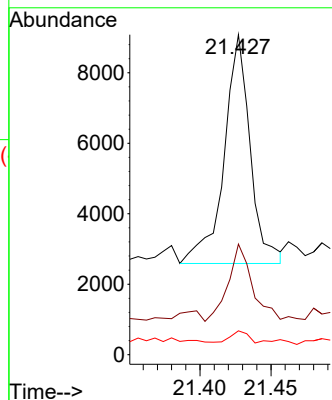
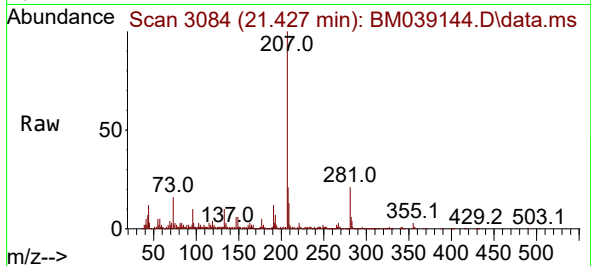




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.645 ng
 RT: 21.427 min Scan# 3091
 Delta R.T. -0.006 min
 Lab File: BM039144.D
 Acq: 24 Mar 2023 16:35

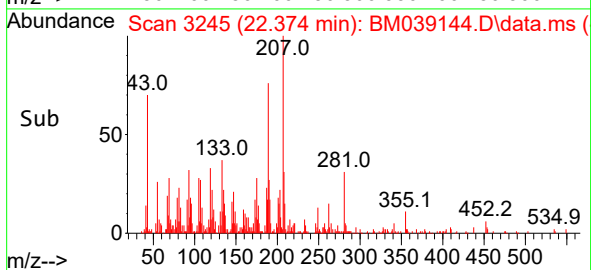
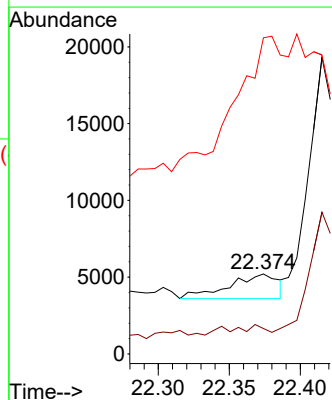
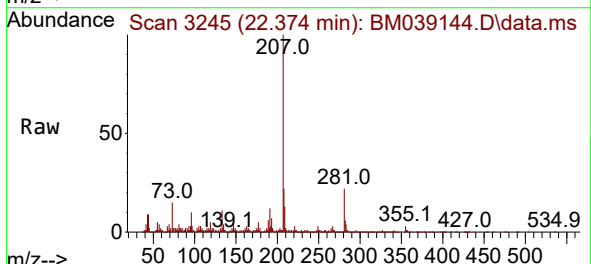
Instrument :
 BNA_M
 ClientSampleId :
 R-PIT

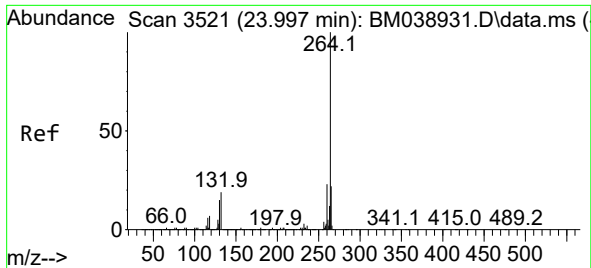
Tgt Ion:149 Resp: 8296
 Ion Ratio Lower Upper
 149 100
 167 34.5 22.3 33.5#
 279 7.5 3.2 4.8#



#85
 Di-n-octyl phthalate
 Concen: 3.840 ng
 RT: 22.374 min Scan# 3245
 Delta R.T. 0.006 min
 Lab File: BM039144.D
 Acq: 24 Mar 2023 16:35

Tgt Ion:149 Resp: 3845
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 638.5 7.4 11.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.945 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM039144.D
Acq: 24 Mar 2023 16:35

Instrument :
BNA_M
ClientSampleId :
R-PIT

Tgt Ion:264 Resp: 1174102

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.7	17.9	26.9

