

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039186.D
 Acq On : 28 Mar 2023 19:09
 Operator : CG/JU
 Sample : 02012-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-23-GW01RE

Quant Time: Mar 29 01:31:26 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 29 01:28:31 2023
 Response via : Initial Calibration

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

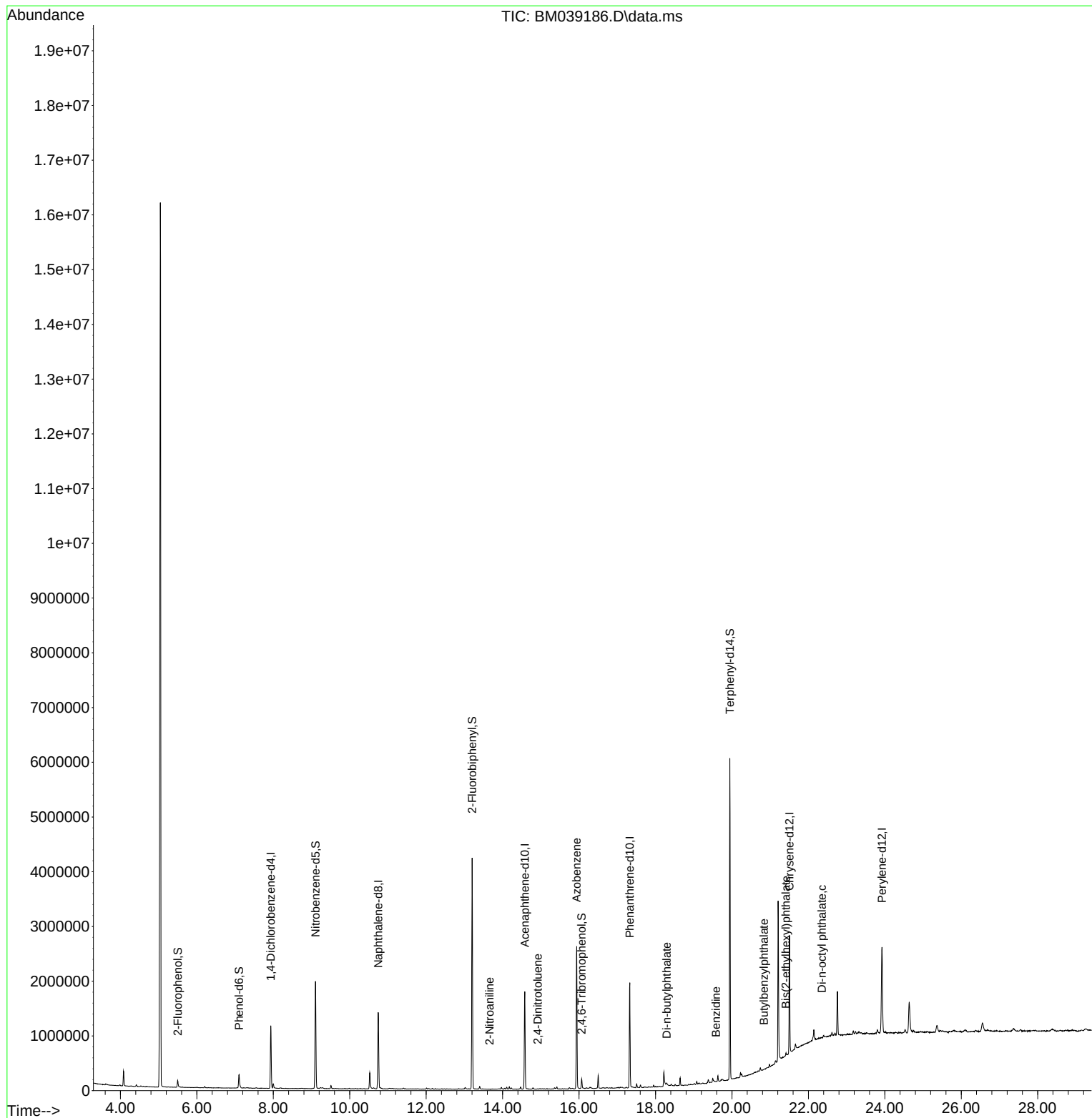
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	300656	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1142986	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	605867	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	1143842	20.000	ng	0.00
76) Chrysene-d12	21.503	240	997573	20.000	ng	0.00
86) Perylene-d12	23.927	264	1151081	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	67572	3.415	ng	0.00
7) Phenol-d6	7.104	99	157167	6.114	ng	0.00
23) Nitrobenzene-d5	9.104	82	1113597	47.858	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	28868	4.119	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	2114574	45.435	ng	0.00
79) Terphenyl-d14	19.945	244	2598797	47.630	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.657	65	201	2.231	ng	# 6
57) 2,4-Dinitrotoluene	14.921	165	150	2.082	ng	# 18
63) Azobenzene	15.939	77	752642	15.680	ng	# 1
74) Di-n-butylphthalate	18.292	149	21307	2.074	ng	# 94
77) Benzidine	19.586	184	4243	5.044	ng	# 85
80) Butylbenzylphthalate	20.839	149	170	3.321	ng	# 98
84) Bis(2-ethylhexyl)phtha...	21.415	149	14509	2.784	ng	# 98
85) Di-n-octyl phthalate	22.356	149	964	3.808	ng	# 77

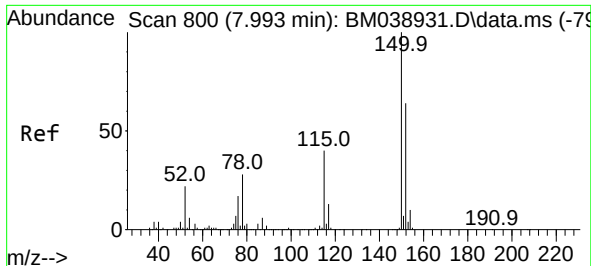
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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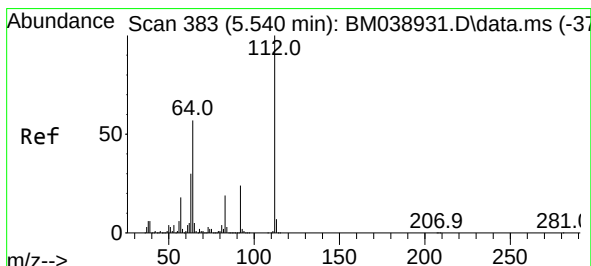
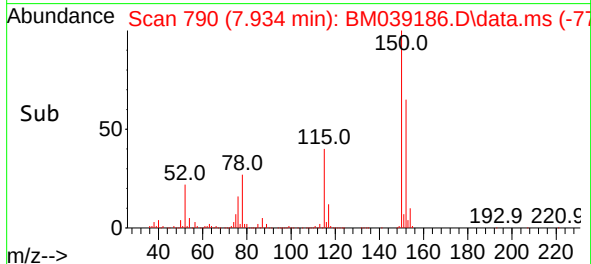
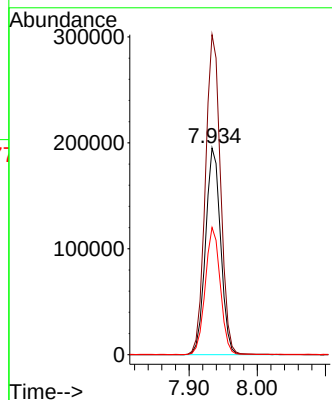
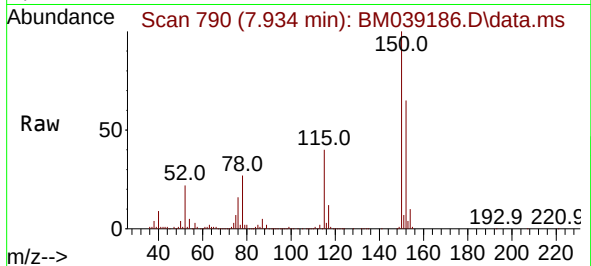




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 71
Delta R.T. -0.005 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

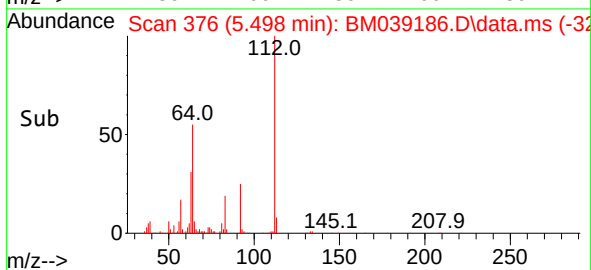
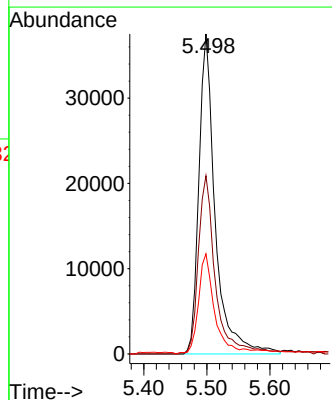
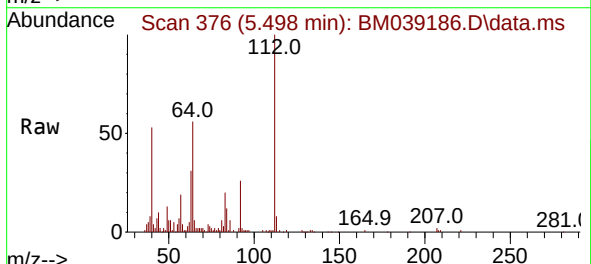
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

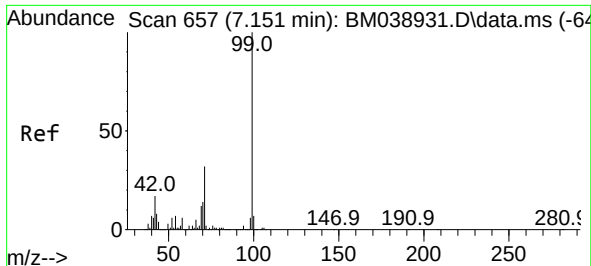
Tgt Ion:152 Resp: 300656
Ion Ratio Lower Upper
152 100
150 154.7 125.1 187.7
115 61.5 49.6 74.4



#5
2-Fluorophenol
Concen: 3.415 ng
RT: 5.498 min Scan# 376
Delta R.T. -0.000 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion:112 Resp: 67572
Ion Ratio Lower Upper
112 100
64 55.7 45.9 68.9
63 31.3 23.8 35.8

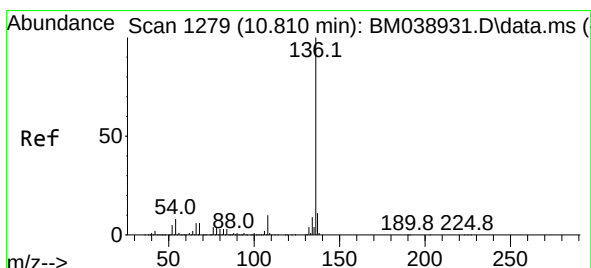
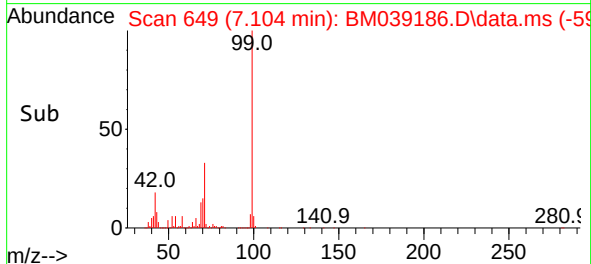
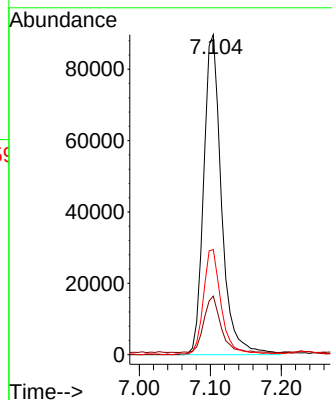
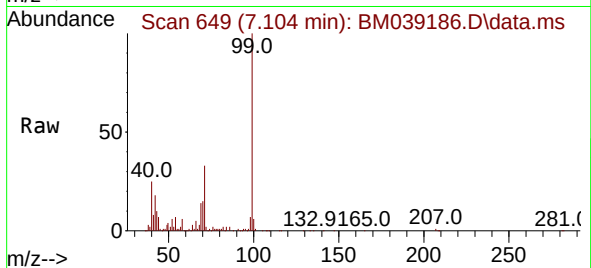




#7
Phenol-d6
Concen: 6.114 ng
RT: 7.104 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

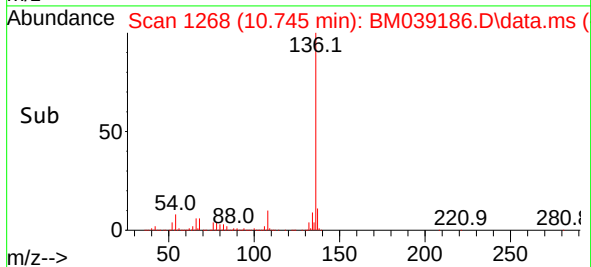
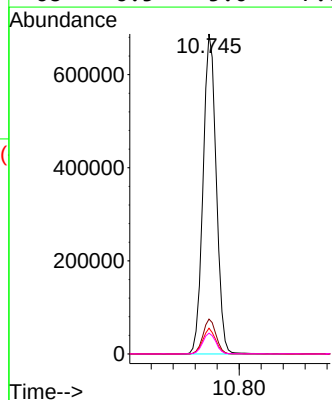
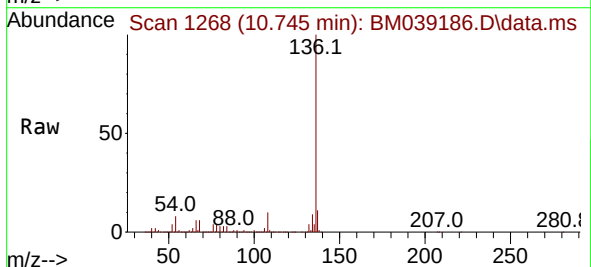
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

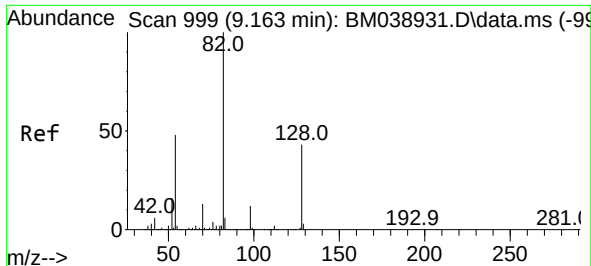
Tgt Ion: 99 Resp: 157167
Ion Ratio Lower Upper
99 100
42 18.3 13.5 20.3
71 32.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion: 136 Resp: 1142986
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.0 6.3 9.5
68 6.5 5.0 7.6

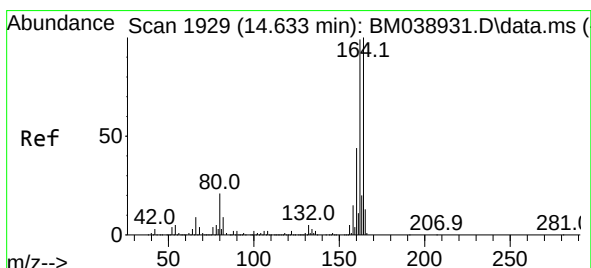
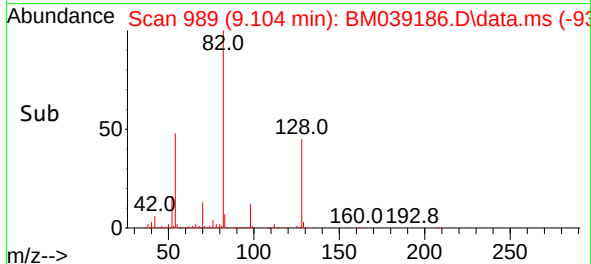
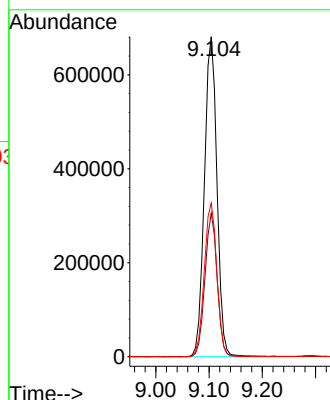
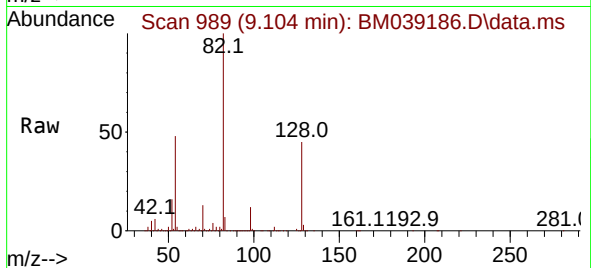




#23
Nitrobenzene-d5
Concen: 47.858 ng
RT: 9.104 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

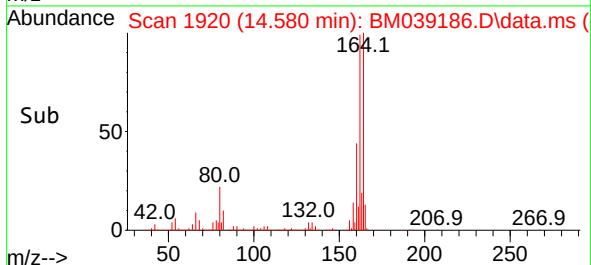
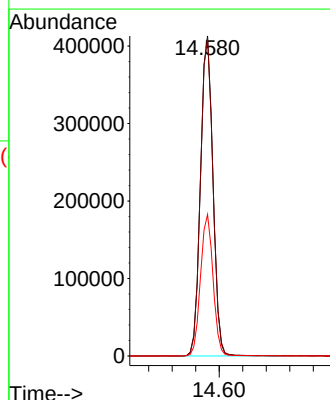
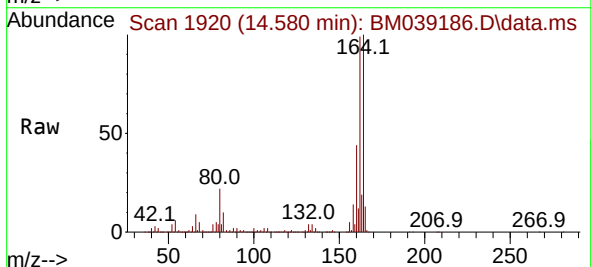
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

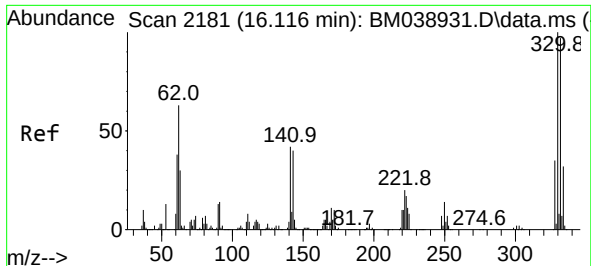
Tgt Ion: 82 Resp: 1113597
Ion Ratio Lower Upper
82 100
128 44.8 34.4 51.6
54 48.1 38.8 58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion: 164 Resp: 605867
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 44.2 35.5 53.3

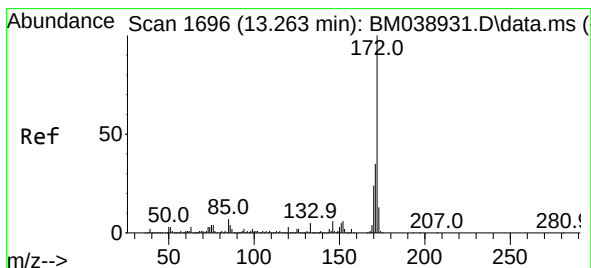
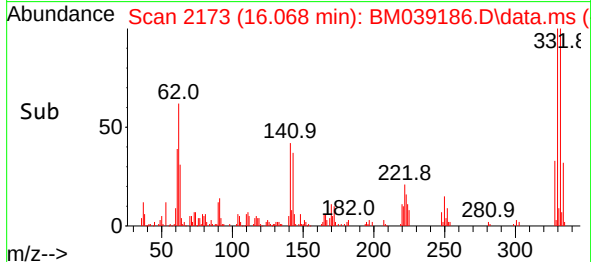
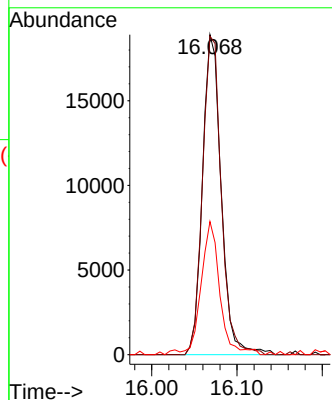
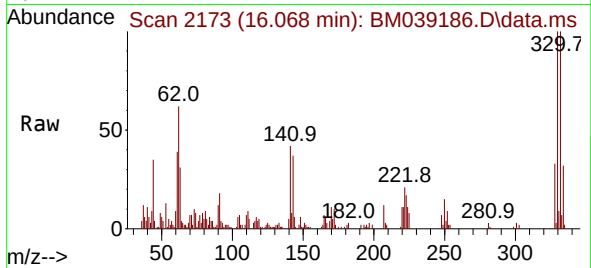




#42
2,4,6-Tribromophenol
Concen: 4.119 ng
RT: 16.068 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

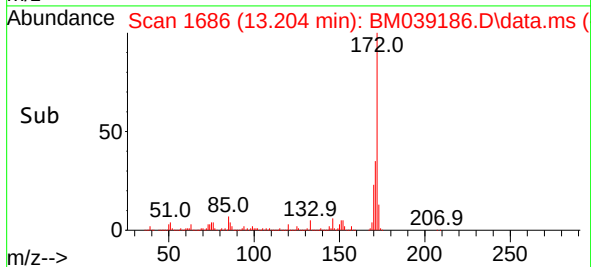
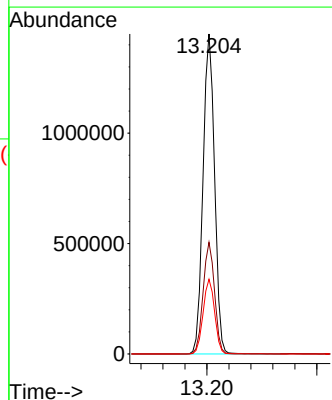
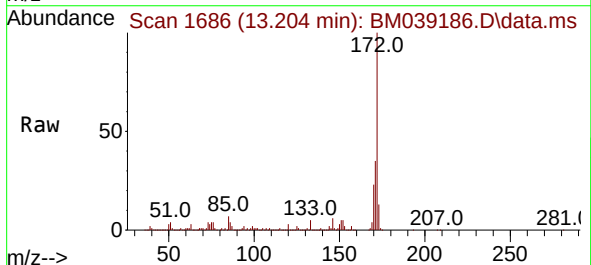
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

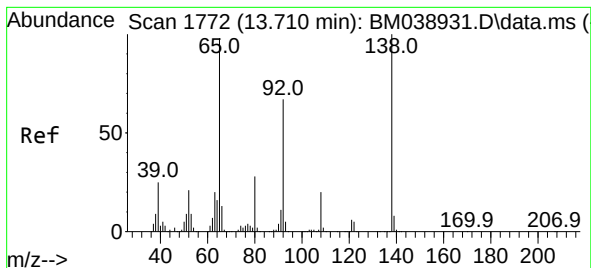
Tgt Ion:330 Resp: 28868
Ion Ratio Lower Upper
330 100
332 99.6 77.4 116.0
141 41.1 32.2 48.4



#45
2-Fluorobiphenyl
Concen: 45.435 ng
RT: 13.204 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion:172 Resp: 2114574
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.4 19.1 28.7

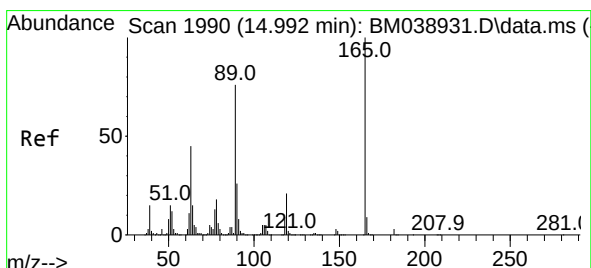
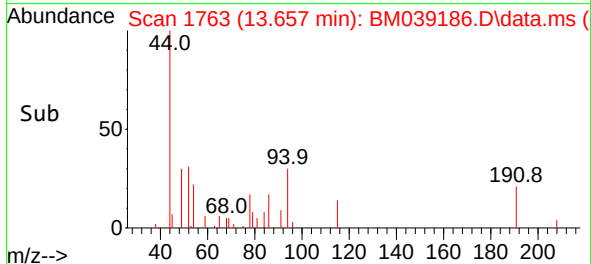
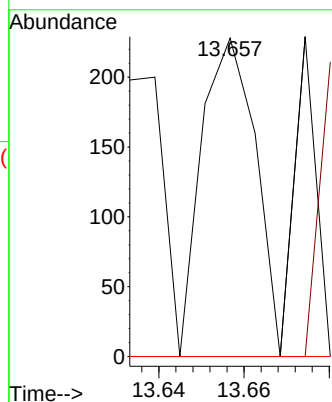
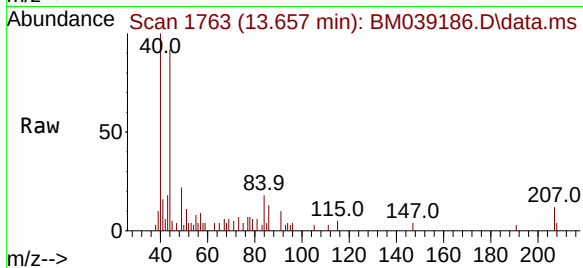




#48
2-Nitroaniline
Concen: 2.231 ng
RT: 13.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

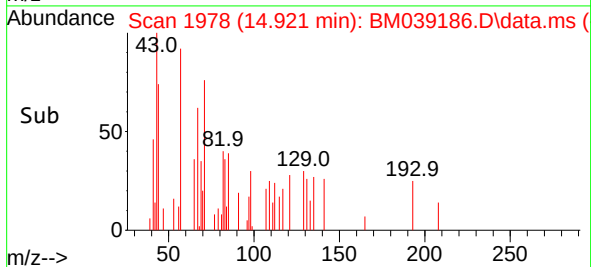
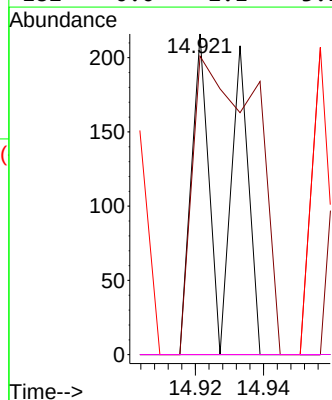
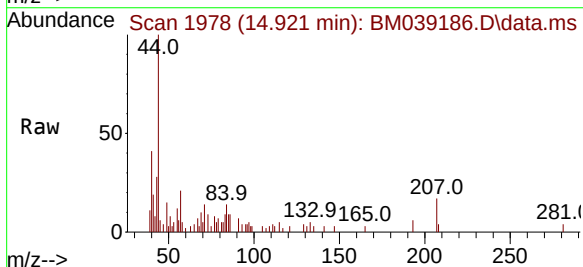
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

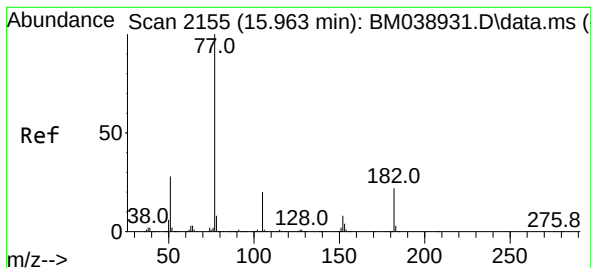
Tgt Ion: 65 Resp: 201
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 81.6 122.4#



#57
2,4-Dinitrotoluene
Concen: 2.082 ng
RT: 14.921 min Scan# 1978
Delta R.T. -0.029 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion: 165 Resp: 150
Ion Ratio Lower Upper
165 100
63 93.1 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 15.680 ng

RT: 15.939 min Scan# 2151

Delta R.T. 0.023 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

Instrument :

BNA_M

ClientSampleId :

B-23-GW01RE

Tgt Ion: 77 Resp: 752642

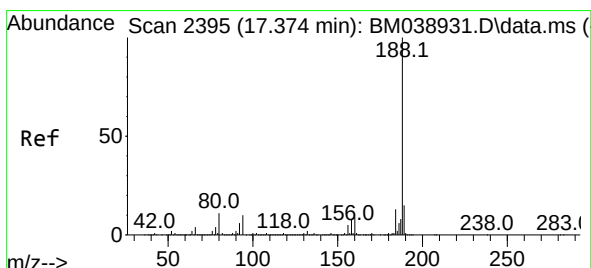
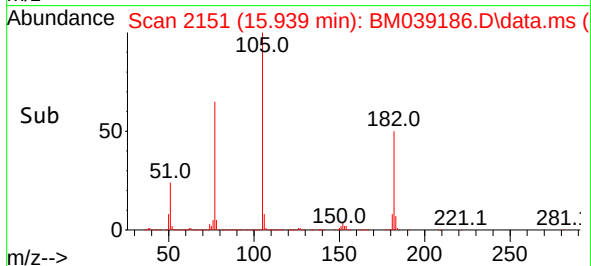
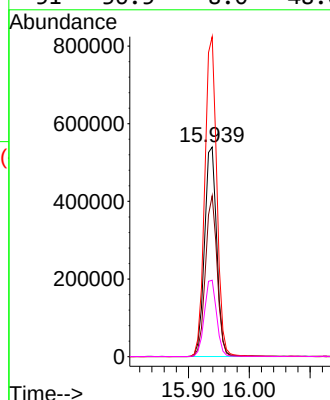
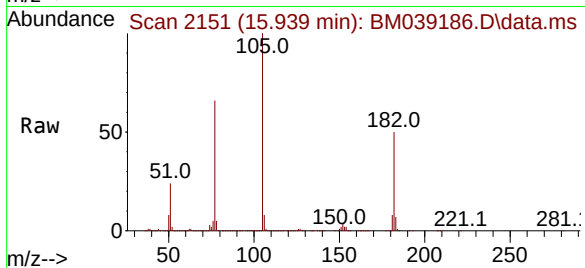
Ion Ratio Lower Upper

77 100

182 76.8 2.0 42.0#

105 152.6 0.4 40.4#

51 36.5 8.0 48.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.327 min Scan# 2387

Delta R.T. -0.000 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

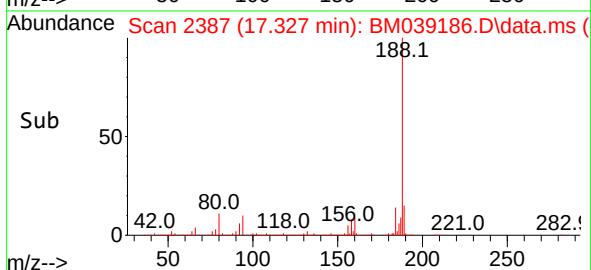
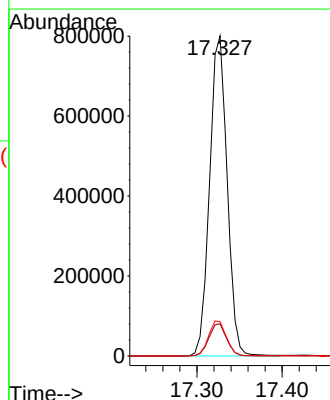
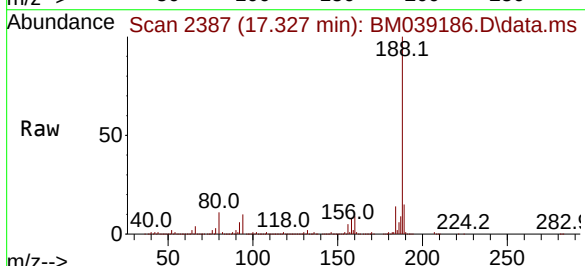
Tgt Ion: 188 Resp: 1143842

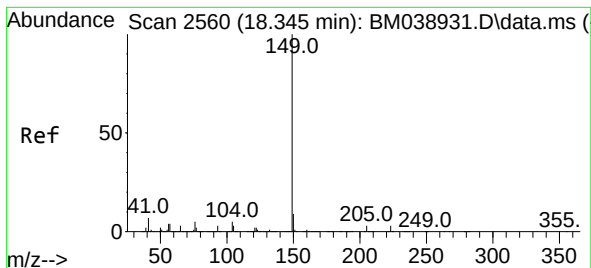
Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

80 10.7 8.5 12.7





#74

Di-n-butylphthalate

Concen: 2.074 ng

RT: 18.292 min Scan# 21307

Delta R.T. -0.006 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

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BNA_M

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B-23-GW01RE

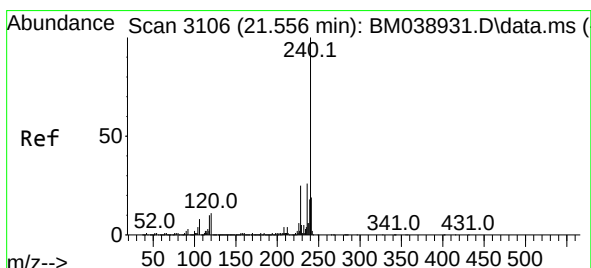
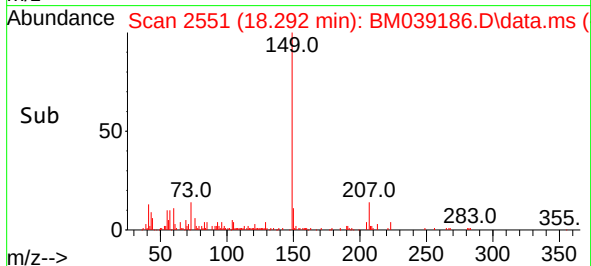
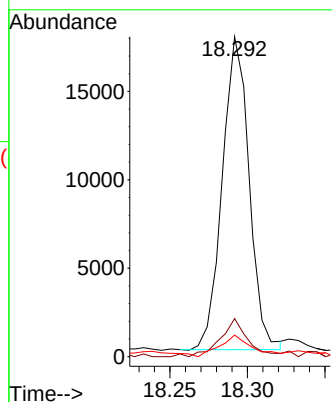
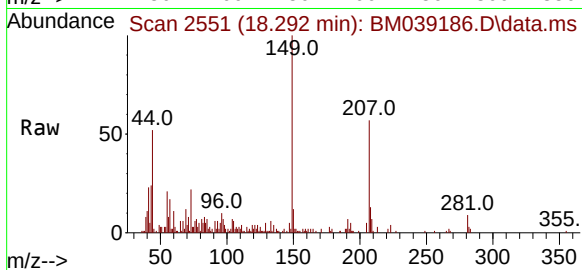
Tgt Ion:149 Resp: 21307

Ion Ratio Lower Upper

149 100

150 11.9 7.4 11.2#

104 6.8 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

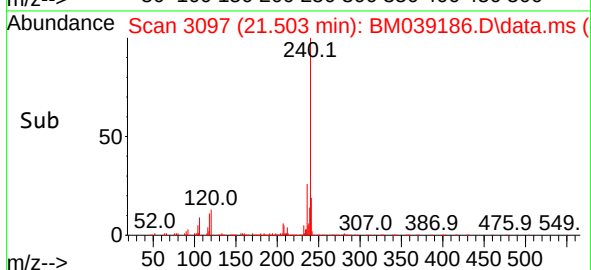
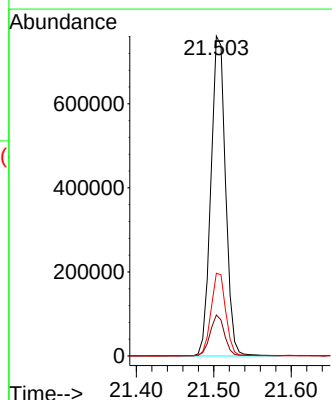
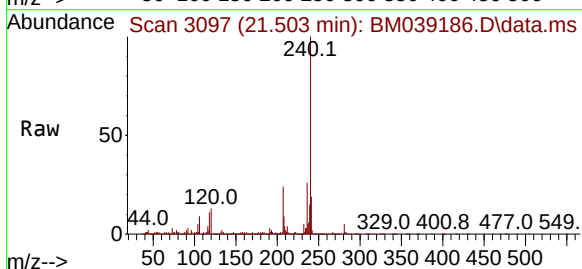
Tgt Ion:240 Resp: 997573

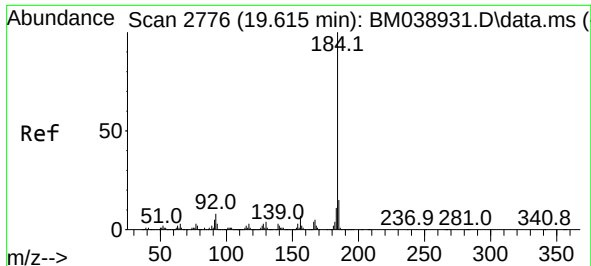
Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.9 20.8 31.2

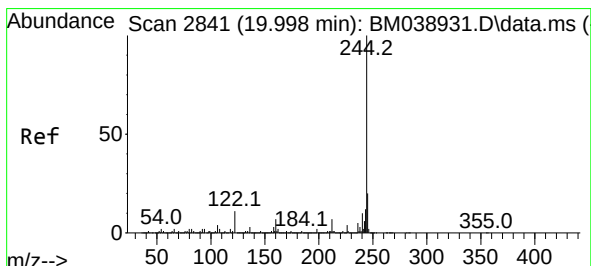
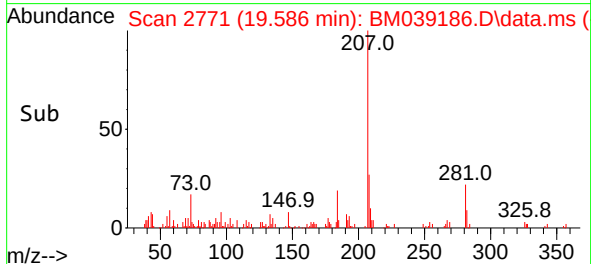
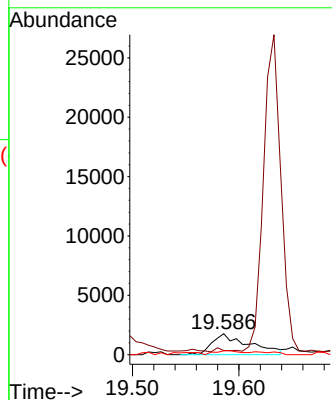
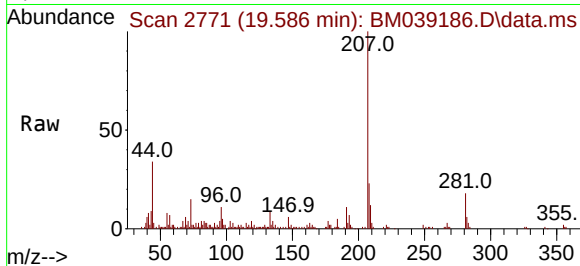




#77
Benzidine
Concen: 5.044 ng
RT: 19.586 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

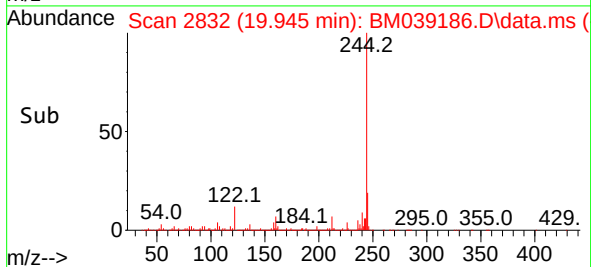
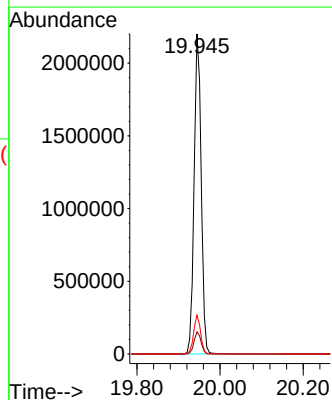
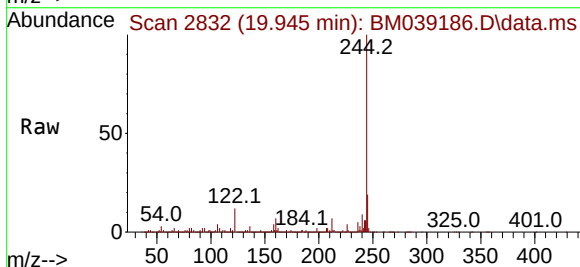
Instrument :
BNA_M
ClientSampleId :
B-23-GW01RE

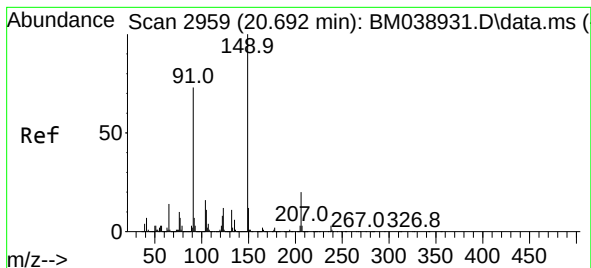
Tgt Ion:184 Resp: 4243
Ion Ratio Lower Upper
184 100
185 20.2 12.2 18.4#
183 18.1 8.8 13.2#



#79
Terphenyl-d14
Concen: 47.630 ng
RT: 19.945 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BM039186.D
Acq: 28 Mar 2023 19:09

Tgt Ion:244 Resp: 2598797
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 12.1 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.321 ng

RT: 20.839 min Scan# 2959

Delta R.T. 0.194 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

Instrument :

BNA_M

ClientSampleId :

B-23-GW01RE

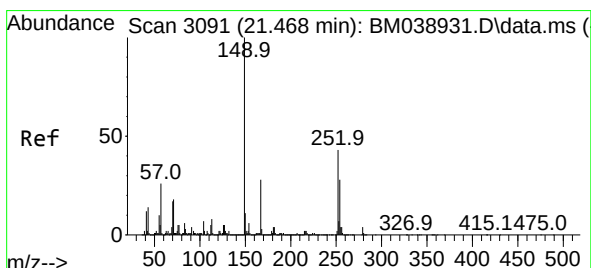
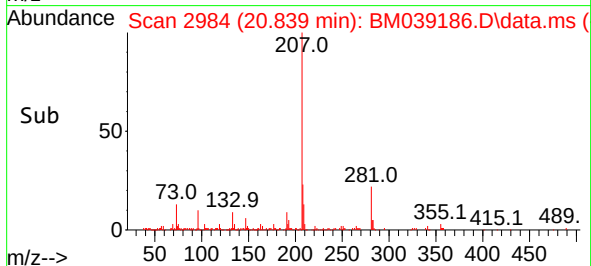
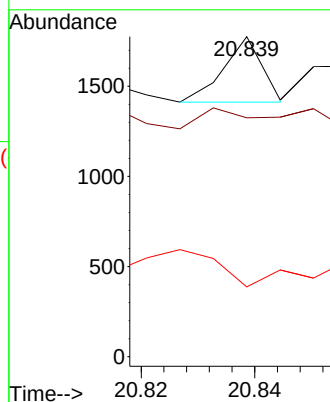
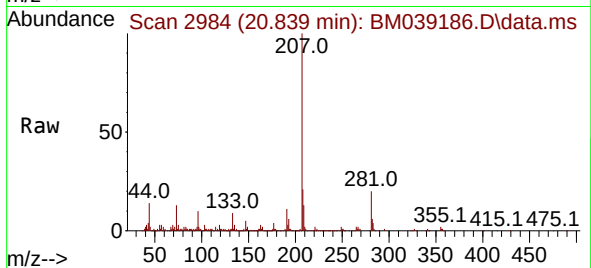
Tgt Ion:149 Resp: 170

Ion Ratio Lower Upper

149 100

91 74.6 58.4 87.6

206 21.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.784 ng

RT: 21.415 min Scan# 3082

Delta R.T. -0.000 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

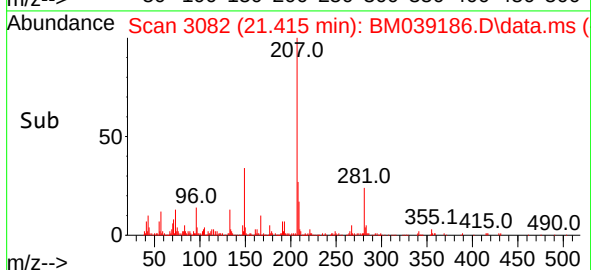
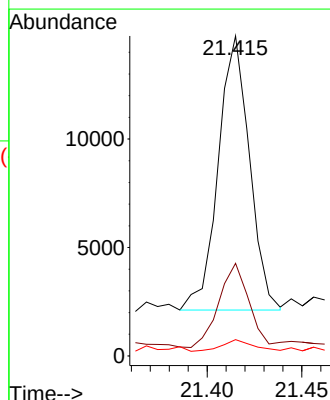
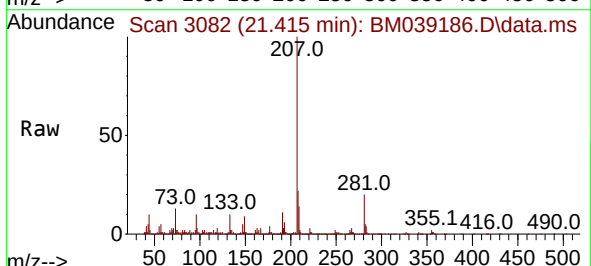
Tgt Ion:149 Resp: 14509

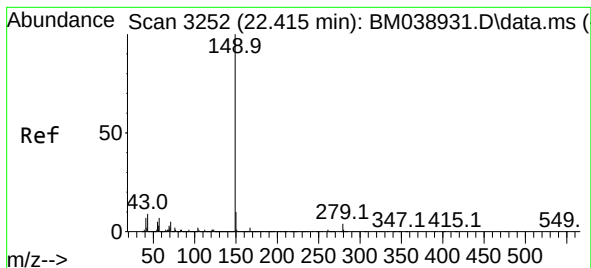
Ion Ratio Lower Upper

149 100

167 29.0 22.3 33.5

279 5.1 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 3.808 ng

RT: 22.356 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

Instrument :

BNA_M

ClientSampleId :

B-23-GW01RE

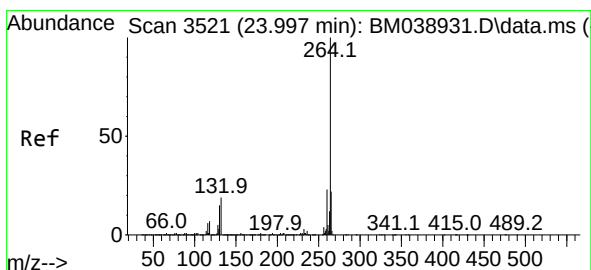
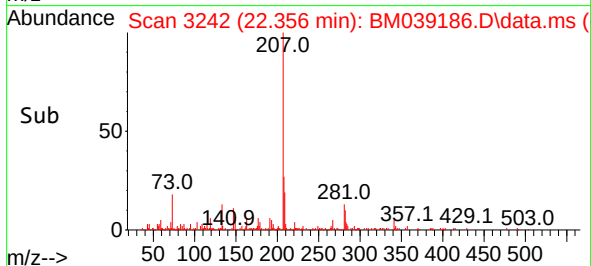
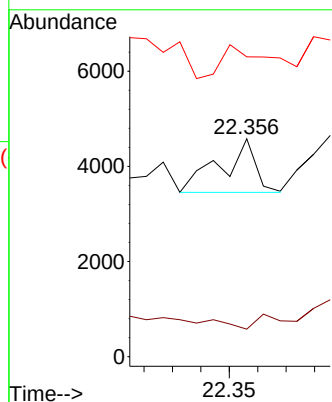
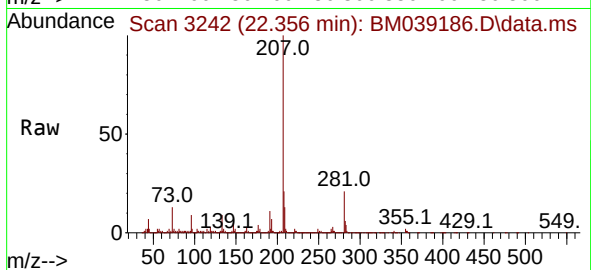
Tgt Ion:149 Resp: 964

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: 23.927 min Scan# 3509

Delta R.T. -0.000 min

Lab File: BM039186.D

Acq: 28 Mar 2023 19:09

Tgt Ion:264 Resp: 1151081

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.0 17.9 26.9

