

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
 Data File : BM039060.D
 Acq On : 21 Mar 2023 00:57
 Operator : CG/JU
 Sample : 01964-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MAPLE-5

Quant Time: Mar 21 03:54:41 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)

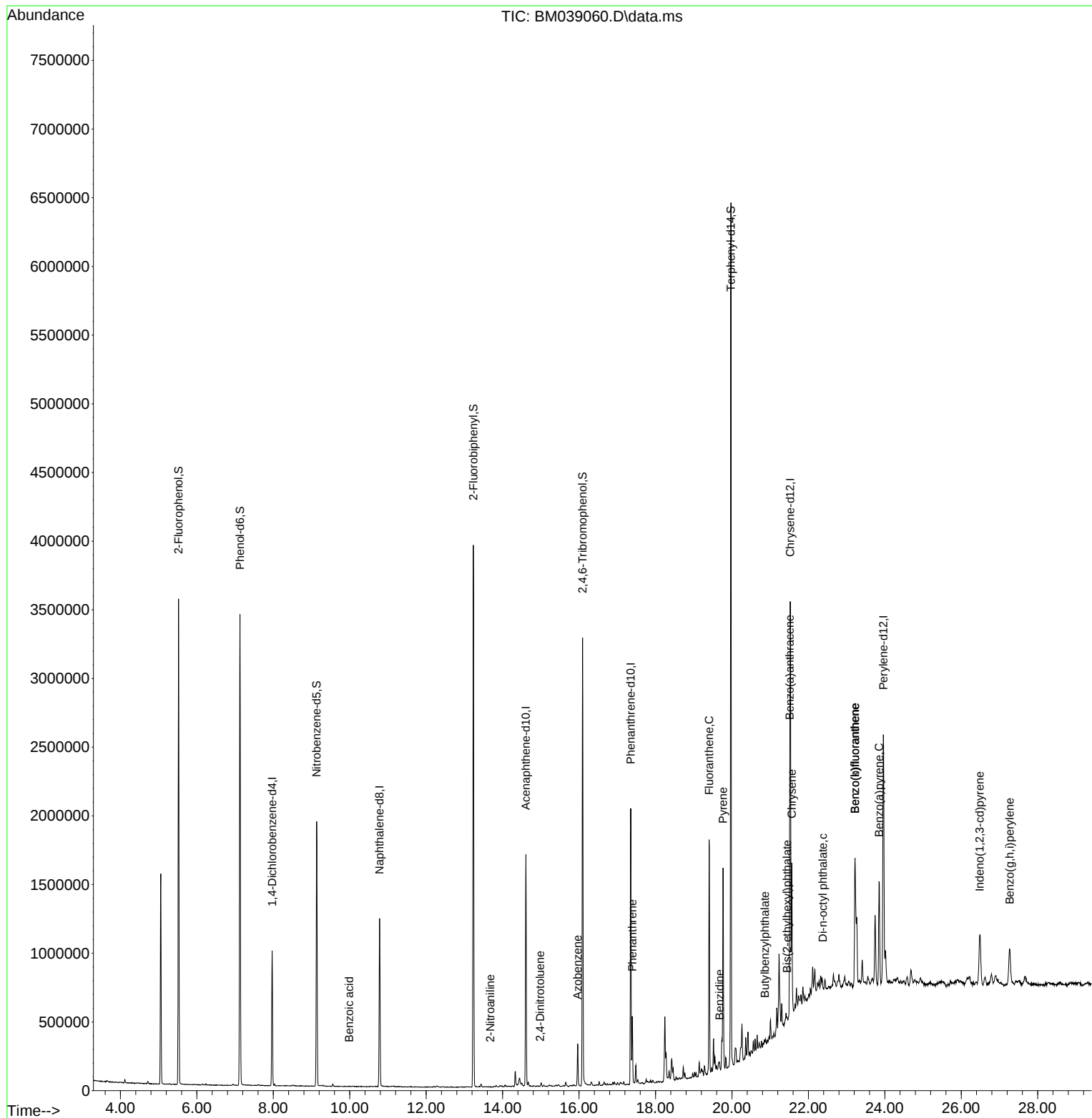
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	247318	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	971674	20.000	ng	-0.01
39) Acenaphthene-d10	14.610	164	542831	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1142202	20.000	ng	-0.01
76) Chrysene-d12	21.527	240	1172271	20.000	ng	-0.01
86) Perylene-d12	23.962	264	1332553	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1438604	88.374	ng	0.00
7) Phenol-d6	7.128	99	1854390	87.702	ng	0.00
23) Nitrobenzene-d5	9.134	82	1066169	53.898	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	503403	80.164	ng	-0.01
45) 2-Fluorobiphenyl	13.233	172	1895336	45.453	ng	-0.01
79) Terphenyl-d14	19.974	244	2837960	44.262	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.986	122	246	5.751	ng	# 29
48) 2-Nitroaniline	13.680	65	335	2.244	ng	# 38
57) 2,4-Dinitrotoluene	14.980	165	111	2.080	ng	# 20
63) Azobenzene	15.963	77	90406	2.102	ng	# 1
71) Phenanthrene	17.392	178	283249	4.225	ng	99
75) Fluoranthene	19.404	202	942793	13.320	ng	99
77) Benzidine	19.680	184	443	4.891	ng	# 27
78) Pyrene	19.768	202	836787	9.504	ng	99
80) Butylbenzylphthalate	20.862	149	430	3.327	ng	91
81) Benzo(a)anthracene	21.515	228	625323	7.407	ng	96
83) Chrysene	21.568	228	574229	6.994	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	5302	2.578	ng	95
85) Di-n-octyl phthalate	22.380	149	627	3.803	ng	# 1
87) Indeno(1,2,3-cd)pyrene	26.485	276	361970	3.570	ng	97
88) Benzo(b)fluoranthene	23.221	252	823387	9.672	ng	97
89) Benzo(k)fluoranthene	23.221	252	823387	9.294	ng	97
90) Benzo(a)pyrene	23.850	252	534816	6.527	ng	98
92) Benzo(g,h,i)perylene	27.268	276	326812	3.890	ng	97

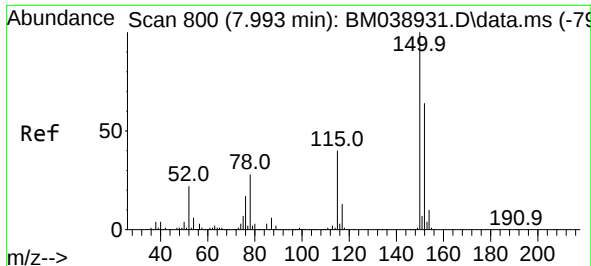
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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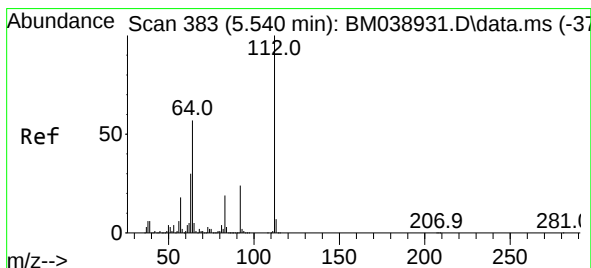
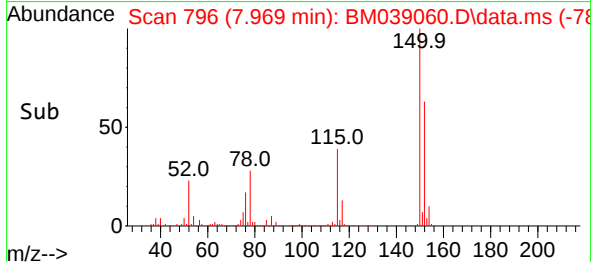
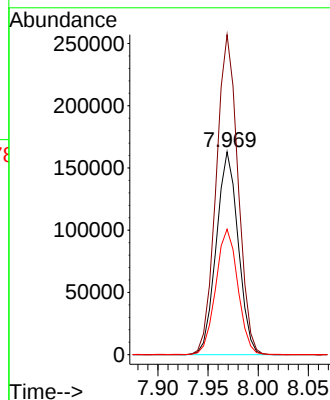
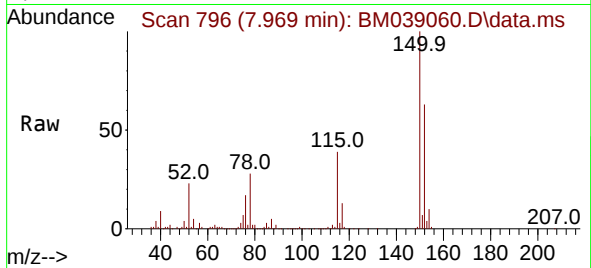




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

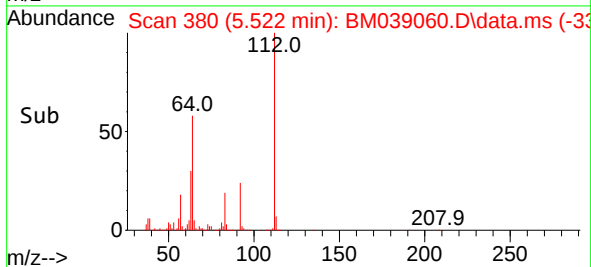
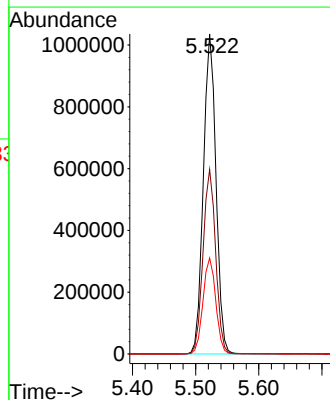
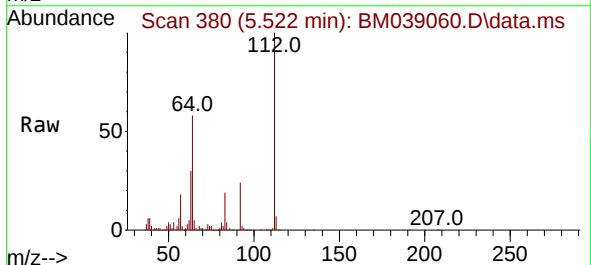
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

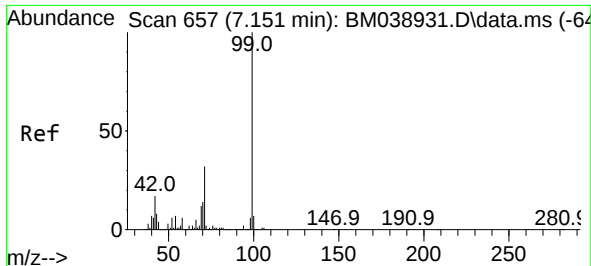
Tgt Ion:152 Resp: 247318
Ion Ratio Lower Upper
152 100
150 157.7 125.1 187.7
115 61.8 49.6 74.4



#5
2-Fluorophenol
Concen: 88.374 ng
RT: 5.522 min Scan# 380
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:112 Resp: 1438604
Ion Ratio Lower Upper
112 100
64 57.6 45.9 68.9
63 30.0 23.8 35.8

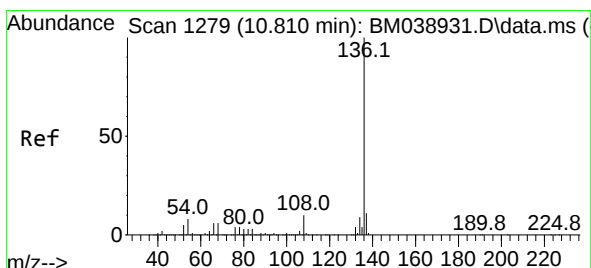
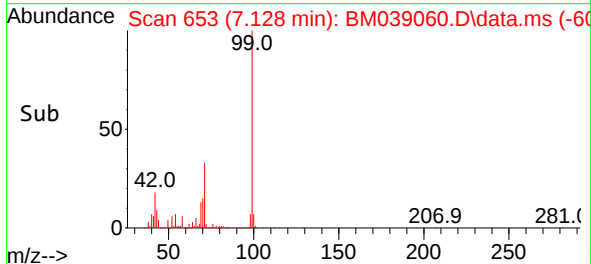
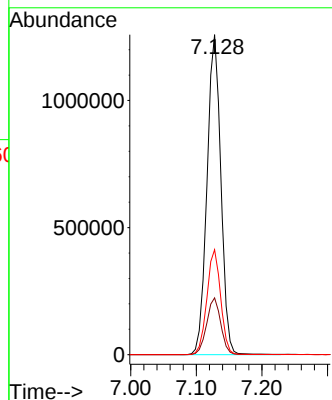
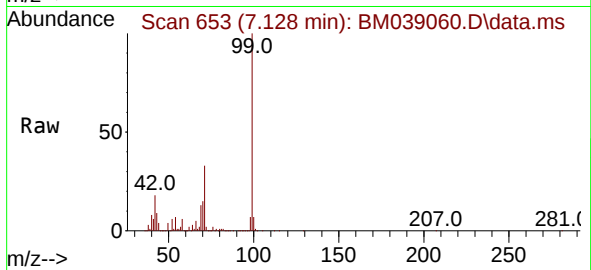




#7
Phenol-d6
Concen: 87.702 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

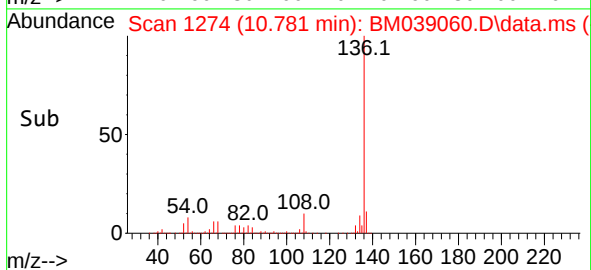
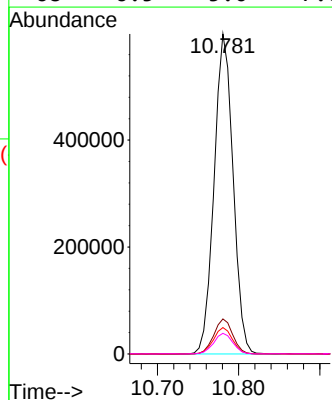
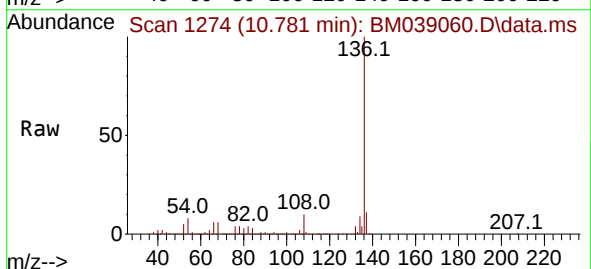
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

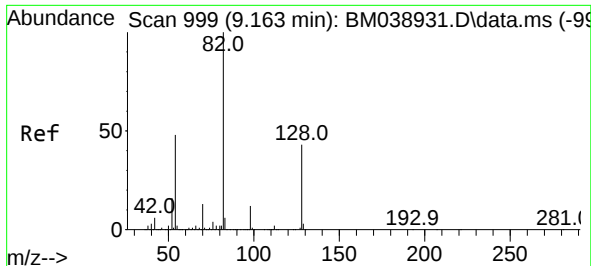
Tgt Ion: 99 Resp: 1854390
Ion Ratio Lower Upper
99 100
42 17.7 13.5 20.3
71 32.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion: 136 Resp: 971674
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.3 6.3 9.5
68 6.5 5.0 7.6

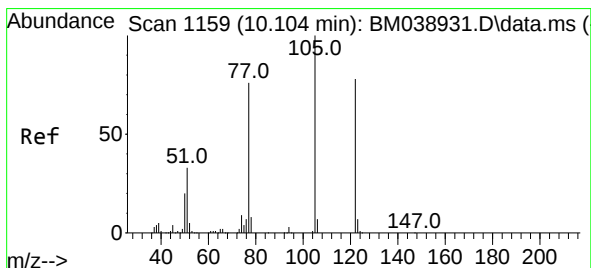
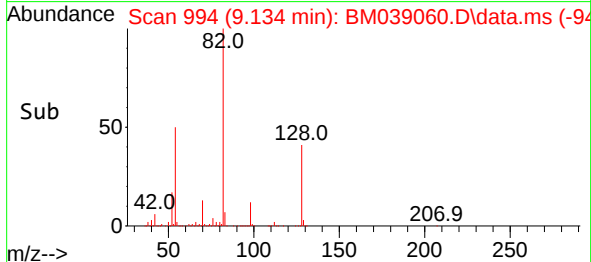
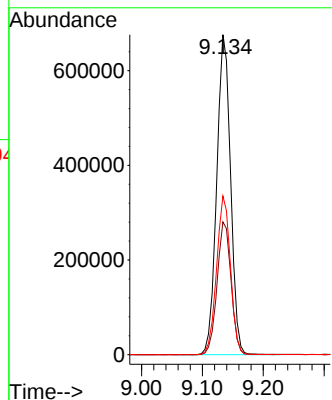
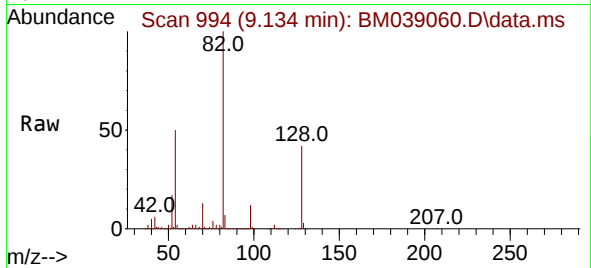




#23
Nitrobenzene-d5
Concen: 53.898 ng
RT: 9.134 min Scan# 994
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

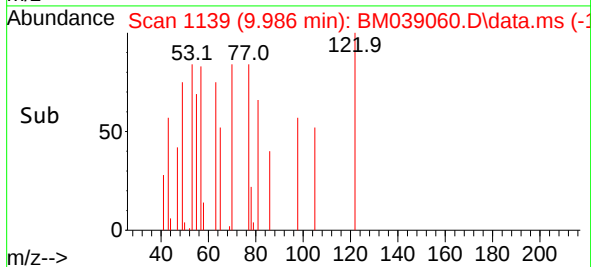
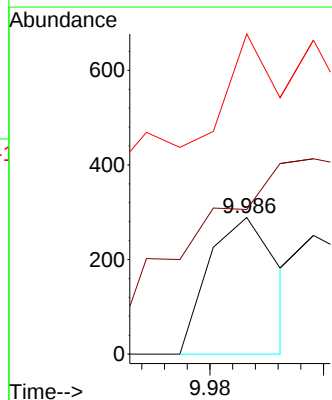
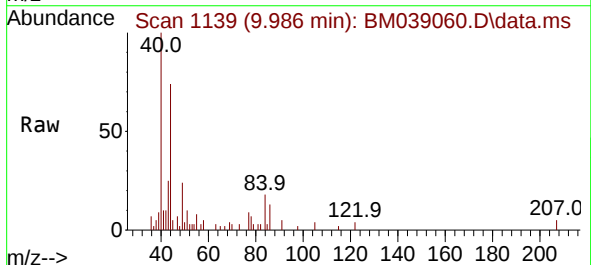
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

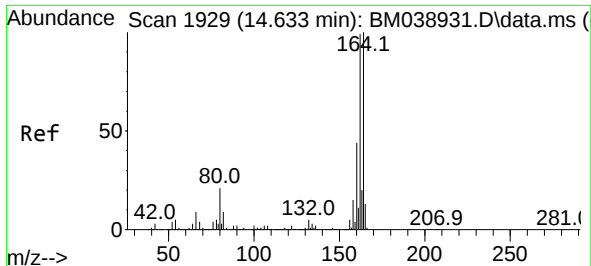
Tgt Ion: 82 Resp: 1066169
Ion Ratio Lower Upper
82 100
128 41.5 34.4 51.6
54 49.6 38.8 58.2



#32
Benzoic acid
Concen: 5.751 ng
RT: 9.986 min Scan# 1139
Delta R.T. -0.112 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:122 Resp: 246
Ion Ratio Lower Upper
122 100
105 105.9 104.2 144.2
77 234.3 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1925

Delta R.T. -0.006 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

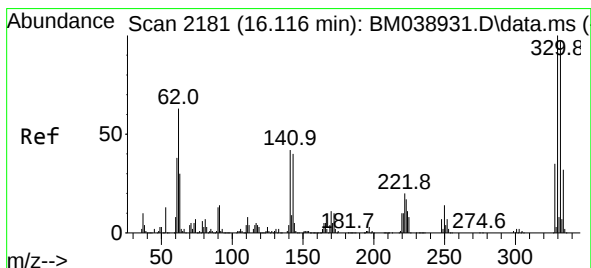
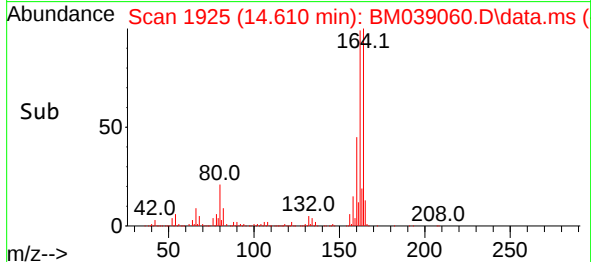
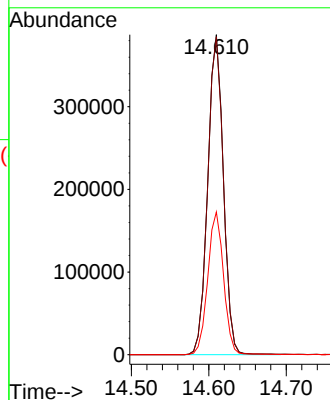
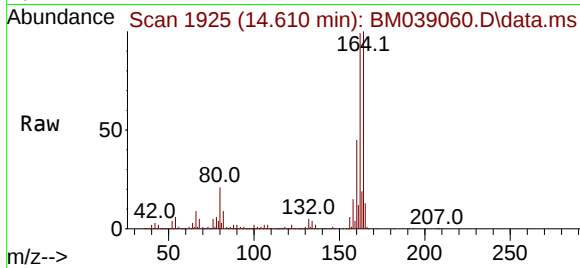
Tgt Ion:164 Resp: 542831

Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

160 44.6 35.5 53.3



#42

2,4,6-Tribromophenol

Concen: 80.164 ng

RT: 16.092 min Scan# 2177

Delta R.T. -0.012 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

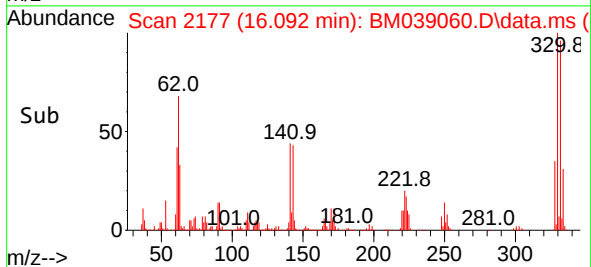
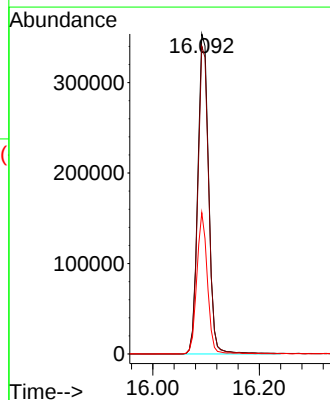
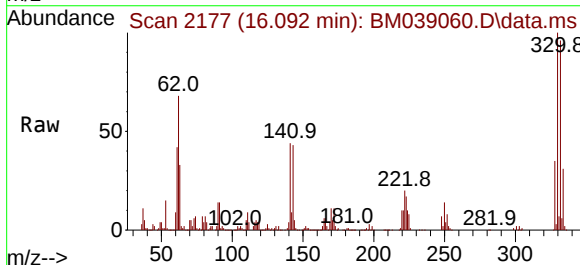
Tgt Ion:330 Resp: 503403

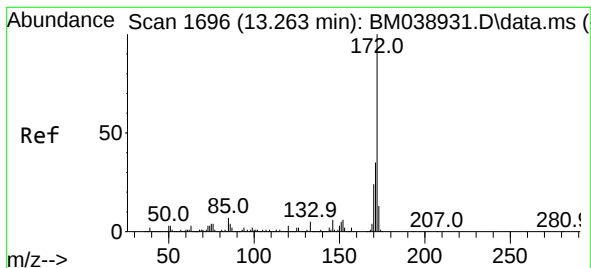
Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 42.9 32.2 48.4





#45

2-Fluorobiphenyl

Concen: 45.453 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

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ClientSampleId :

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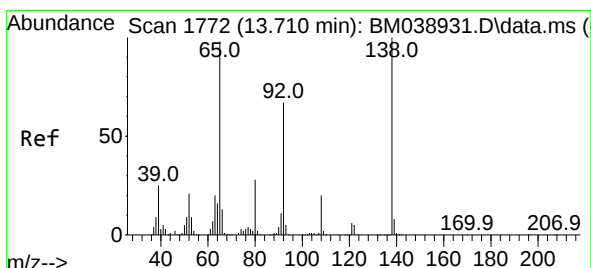
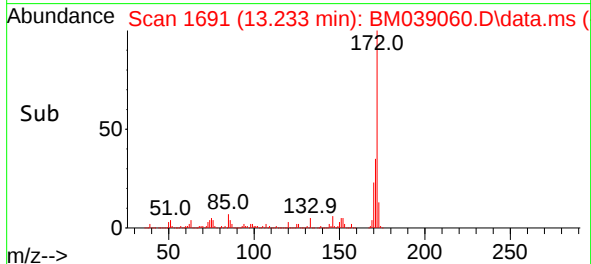
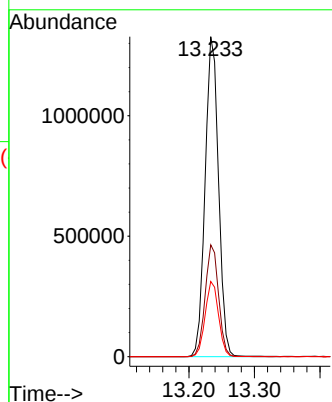
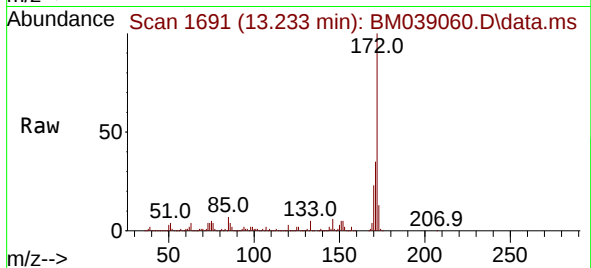
Tgt Ion:172 Resp: 1895336

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.5 19.1 28.7



#48

2-Nitroaniline

Concen: 2.244 ng

RT: 13.680 min Scan# 1767

Delta R.T. -0.018 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

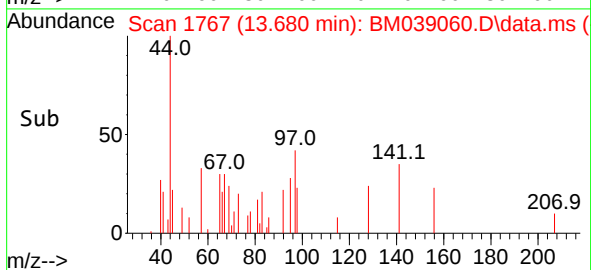
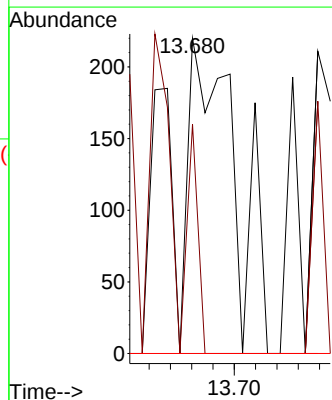
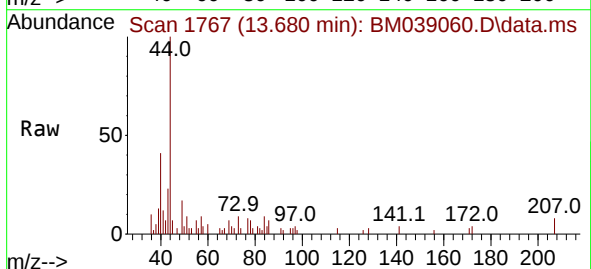
Tgt Ion: 65 Resp: 335

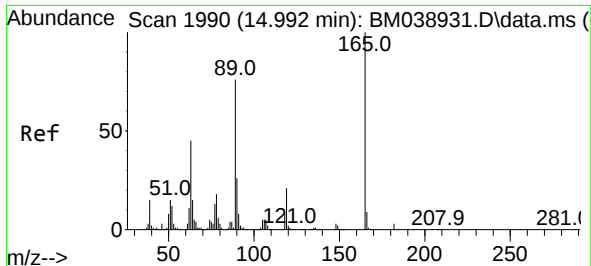
Ion Ratio Lower Upper

65 100

92 72.7 54.9 82.3

138 0.0 81.6 122.4#

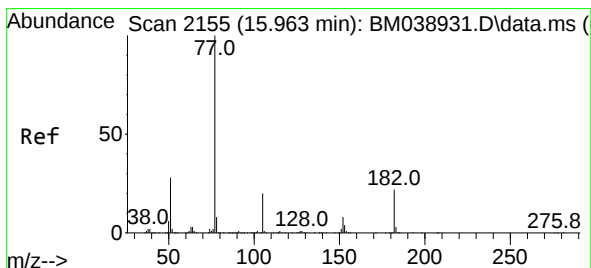
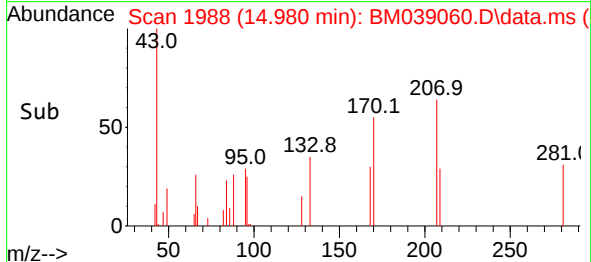
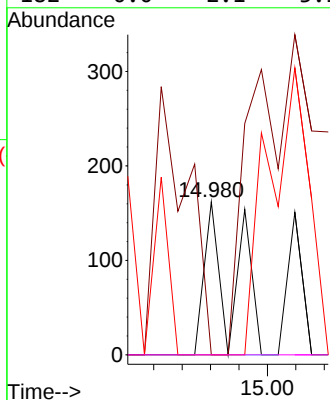
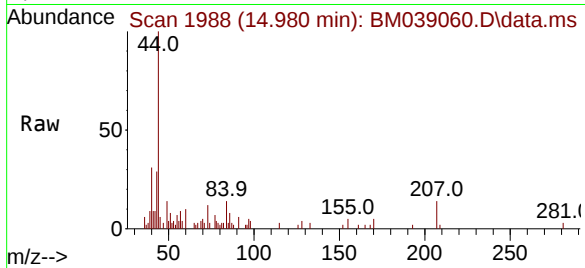




#57
2,4-Dinitrotoluene
Concen: 2.080 ng
RT: 14.980 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

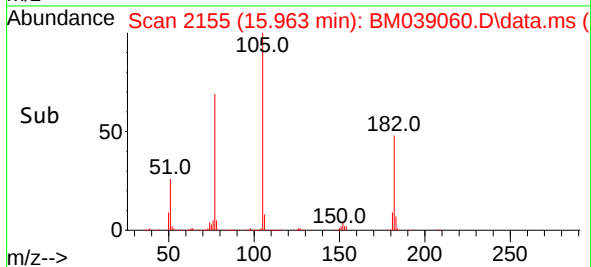
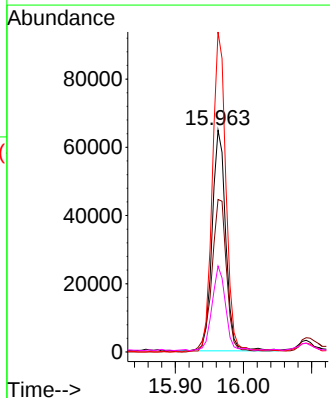
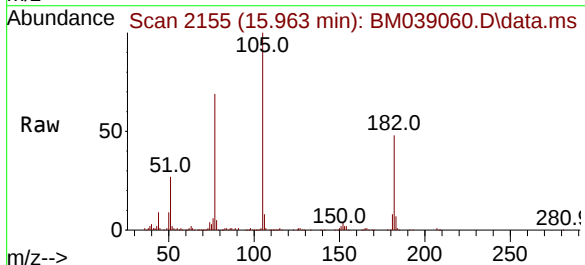
Instrument :
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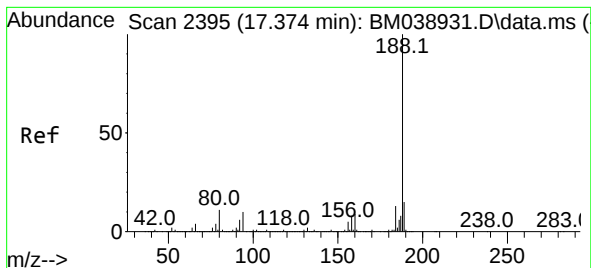
Tgt Ion:165 Resp: 111
Ion Ratio Lower Upper
165 100
63 0.0 35.9 53.9#
89 0.0 61.0 91.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.102 ng
RT: 15.963 min Scan# 2155
Delta R.T. 0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion: 77 Resp: 90406
Ion Ratio Lower Upper
77 100
182 68.8 2.0 42.0#
105 144.3 0.4 40.4#
51 38.8 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

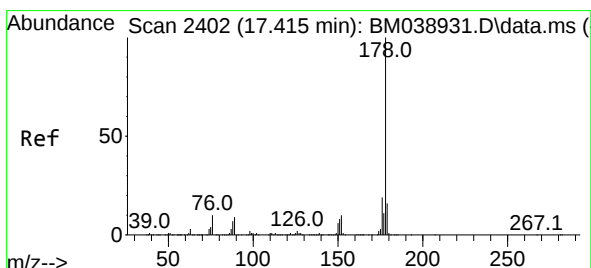
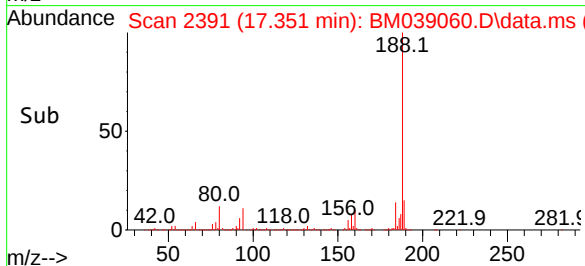
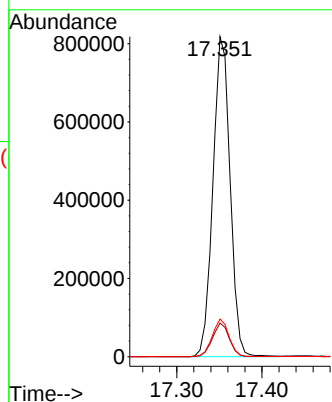
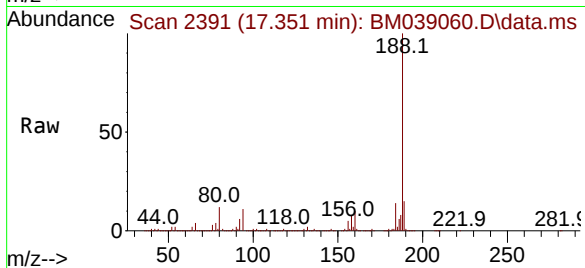
Tgt Ion:188 Resp: 1142202

Ion Ratio Lower Upper

188 100

94 10.5 7.9 11.9

80 11.7 8.5 12.7



#71

Phenanthrene

Concen: 4.225 ng

RT: 17.392 min Scan# 2398

Delta R.T. -0.012 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

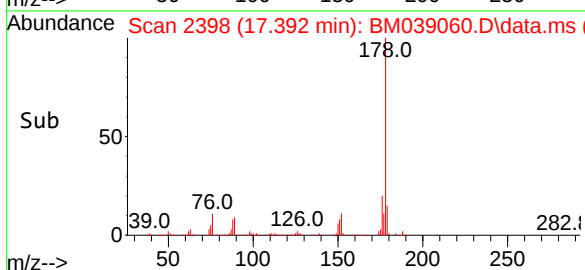
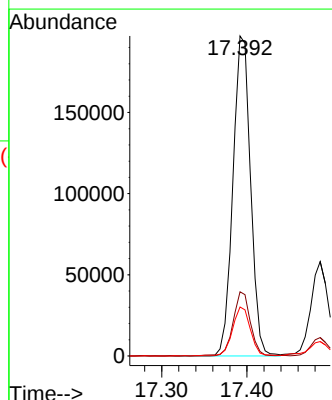
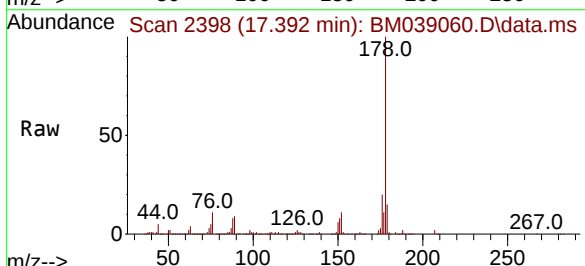
Tgt Ion:178 Resp: 283249

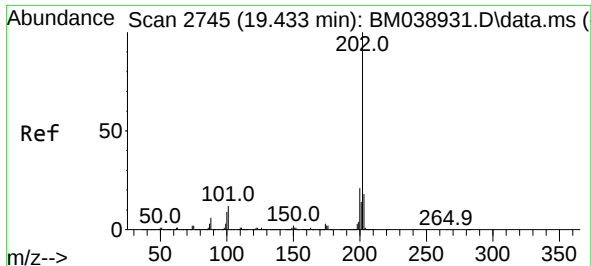
Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

179 15.3 12.5 18.7

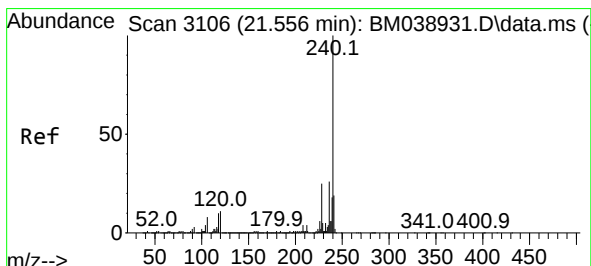
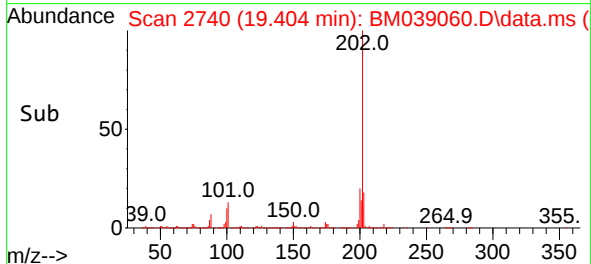
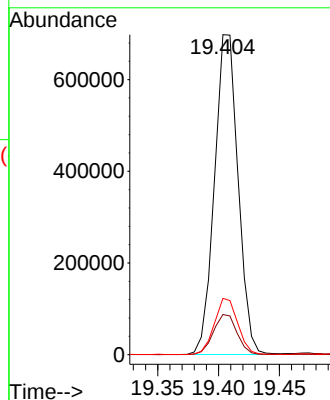
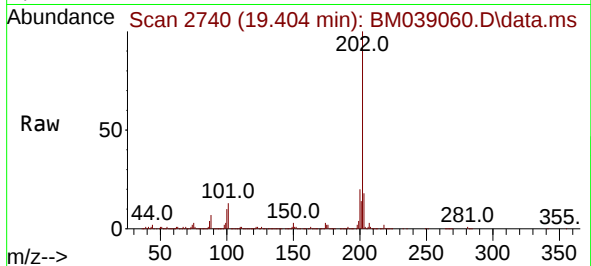




#75
Fluoranthene
Concen: 13.320 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

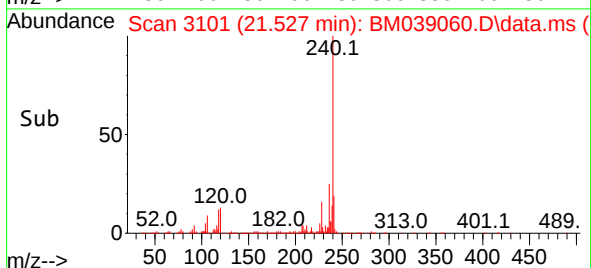
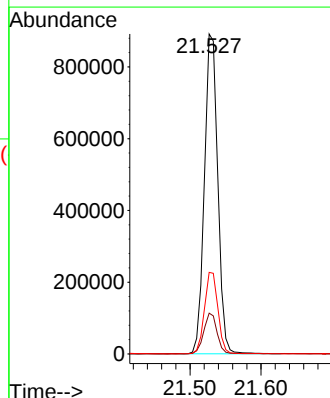
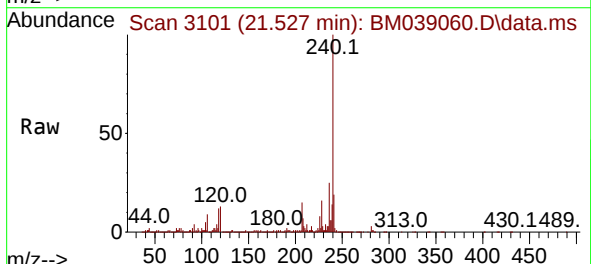
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

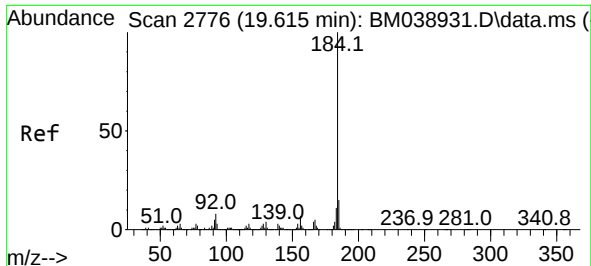
Tgt Ion:202 Resp: 942793
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:240 Resp: 1172271
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 25.5 20.8 31.2

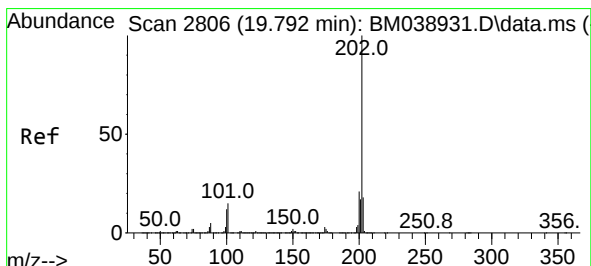
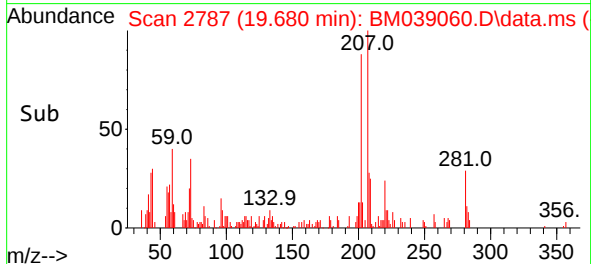
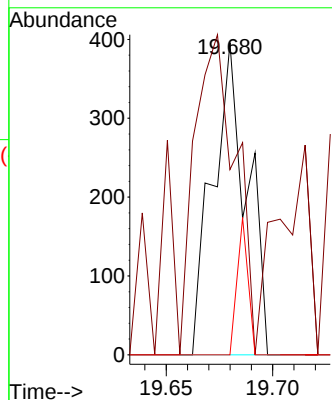
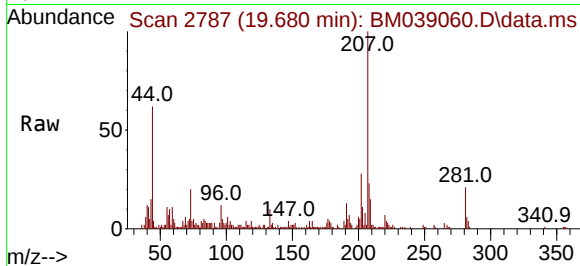




#77
Benzidine
Concen: 4.891 ng
RT: 19.680 min Scan# 21
Delta R.T. 0.082 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

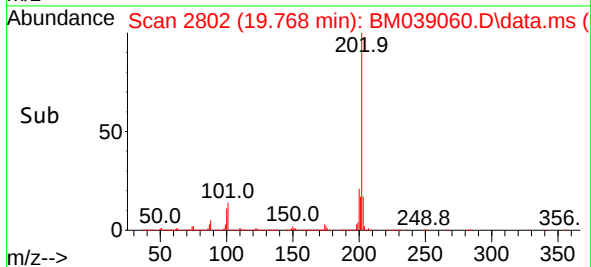
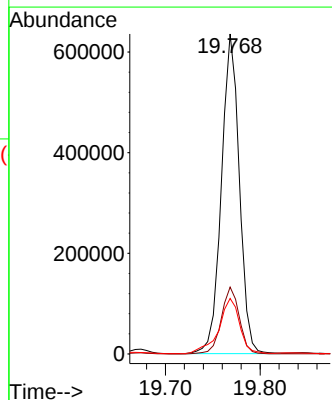
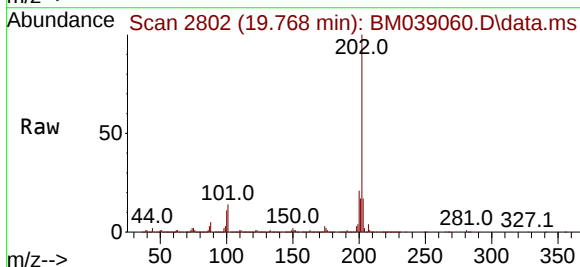
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

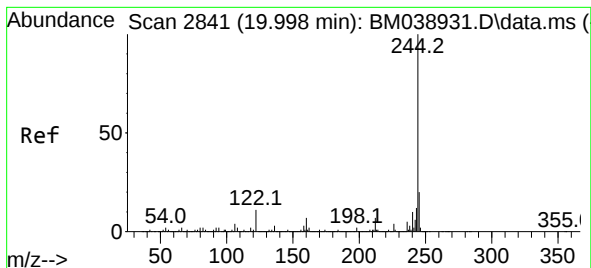
Tgt Ion:184 Resp: 443
Ion Ratio Lower Upper
184 100
185 59.3 12.2 18.4#
183 0.0 8.8 13.2#



#78
Pyrene
Concen: 9.504 ng
RT: 19.768 min Scan# 2802
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:202 Resp: 836787
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 44.262 ng

RT: 19.974 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

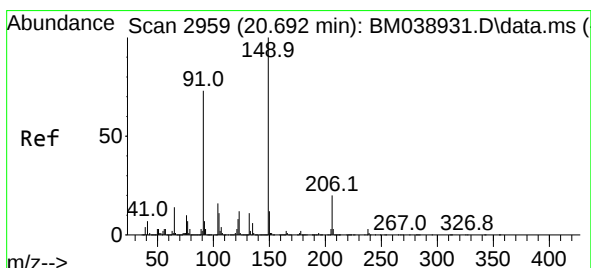
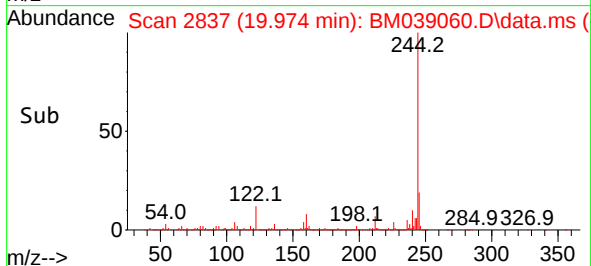
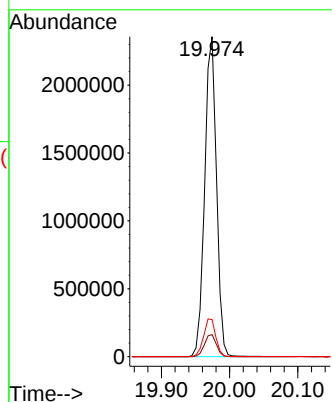
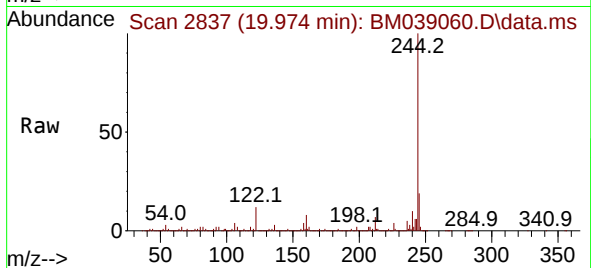
Tgt Ion:244 Resp: 2837960

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.6 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.327 ng

RT: 20.862 min Scan# 2988

Delta R.T. 0.188 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

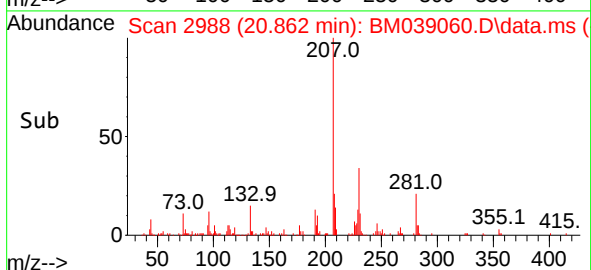
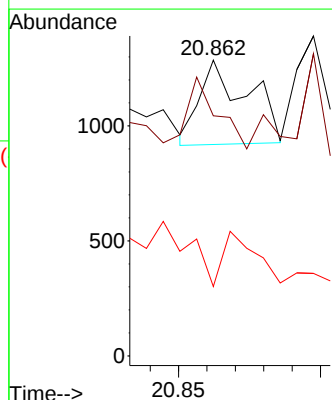
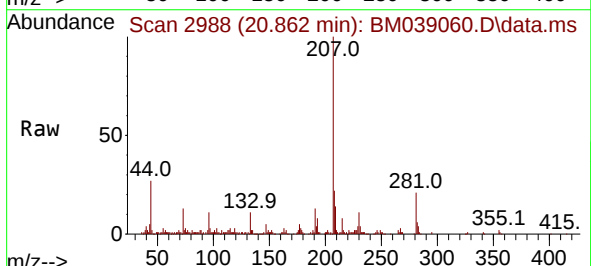
Tgt Ion:149 Resp: 430

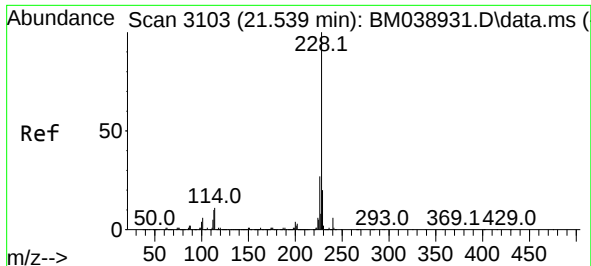
Ion Ratio Lower Upper

149 100

91 81.2 58.4 87.6

206 23.5 16.1 24.1

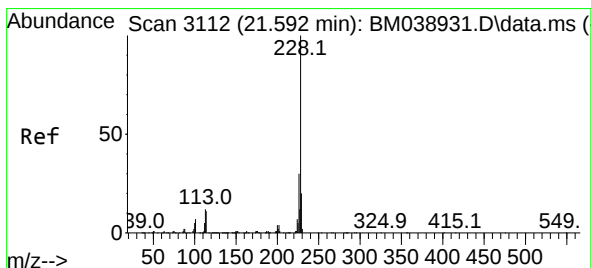
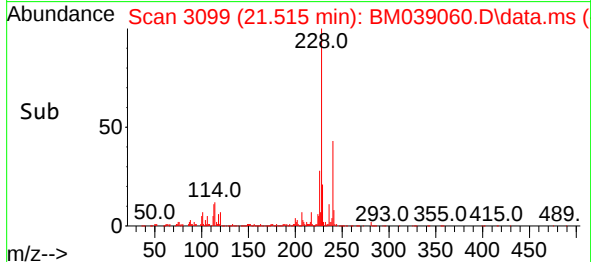
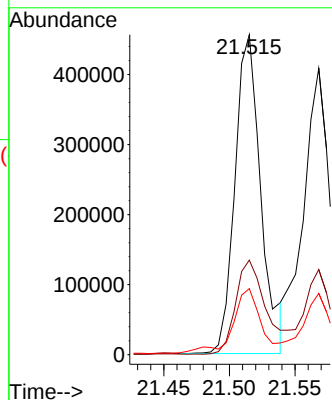
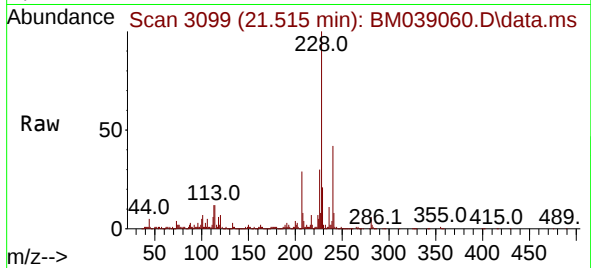




#81
Benzo(a)anthracene
Concen: 7.407 ng
RT: 21.515 min Scan# 30
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

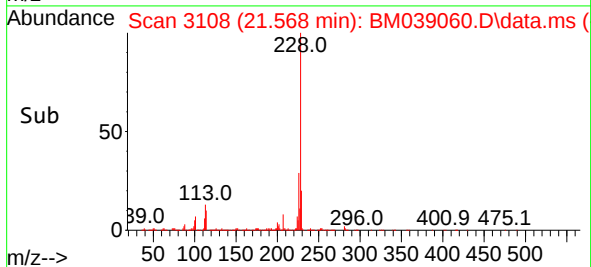
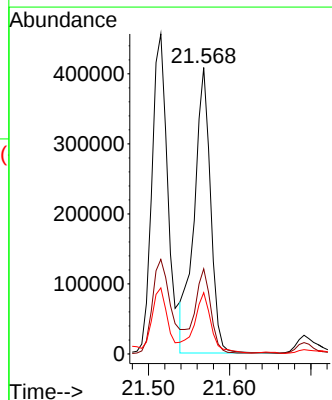
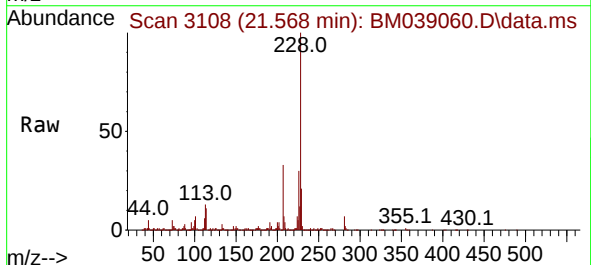
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

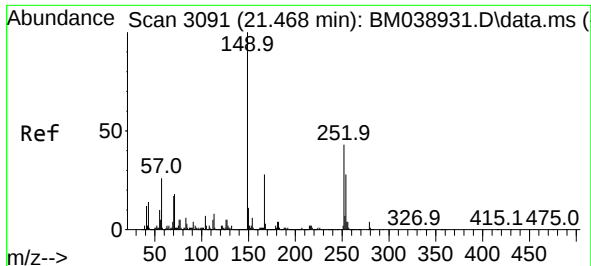
Tgt Ion:228 Resp: 625323
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.2
229 20.6 15.7 23.5



#83
Chrysene
Concen: 6.994 ng
RT: 21.568 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:228 Resp: 574229
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.4 16.0 24.0

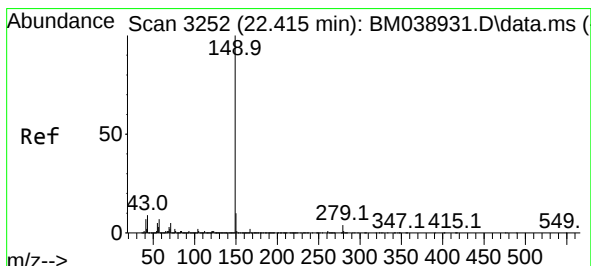
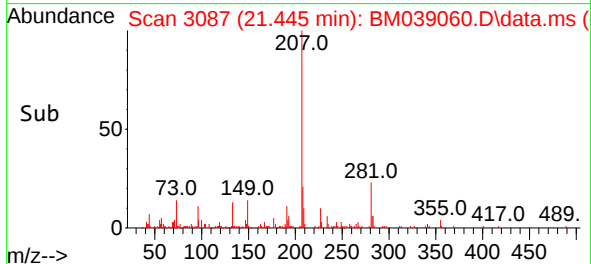
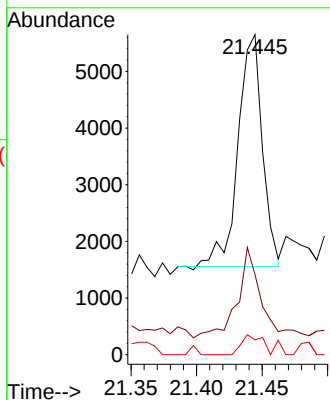
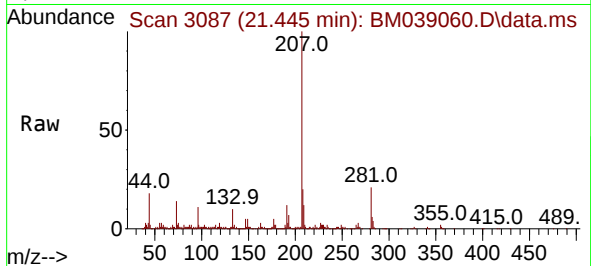




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.578 ng
RT: 21.445 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

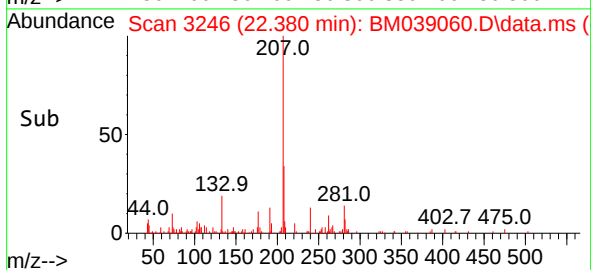
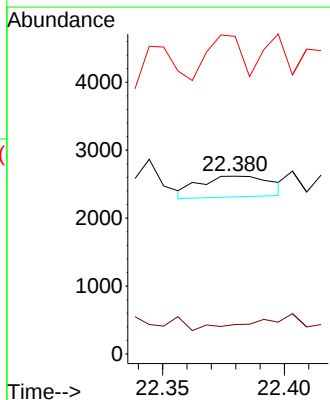
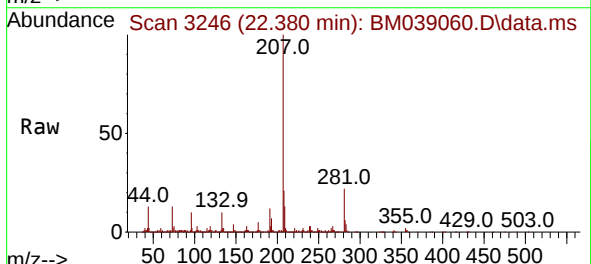
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

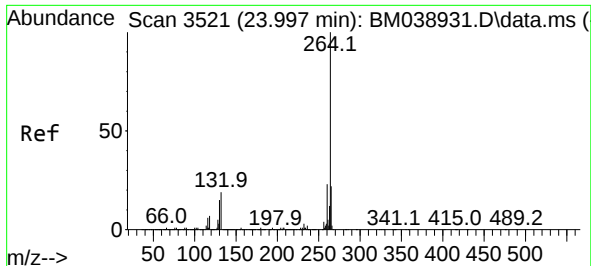
Tgt Ion:149 Resp: 5302
Ion Ratio Lower Upper
149 100
167 25.0 22.3 33.5
279 4.6 3.2 4.8



#85
Di-n-octyl phthalate
Concen: 3.803 ng
RT: 22.380 min Scan# 3246
Delta R.T. -0.012 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:149 Resp: 627
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 101.4 7.4 11.2#



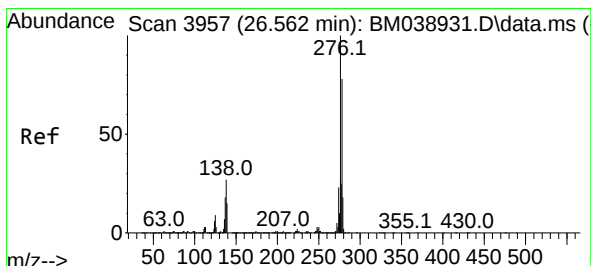
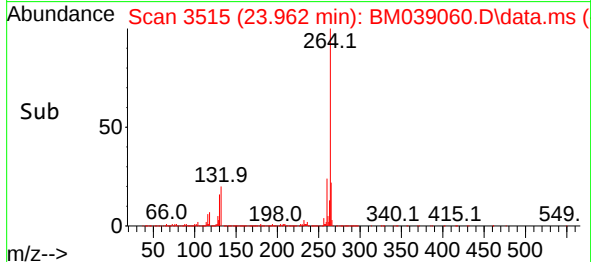
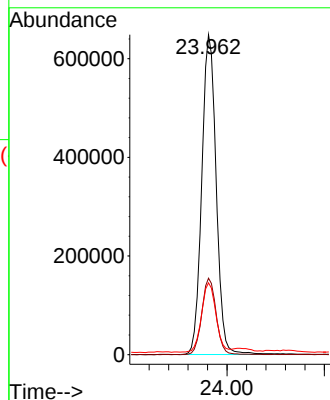
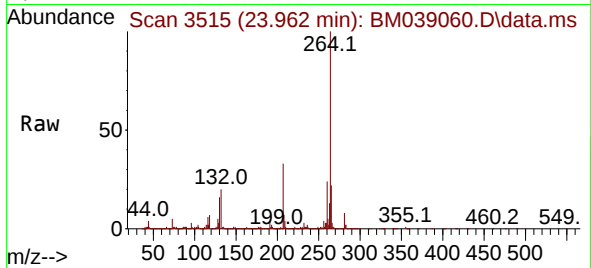


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Instrument :
BNA_M
ClientSampleId :
MAPLE-5

Tgt Ion:264 Resp: 1332553

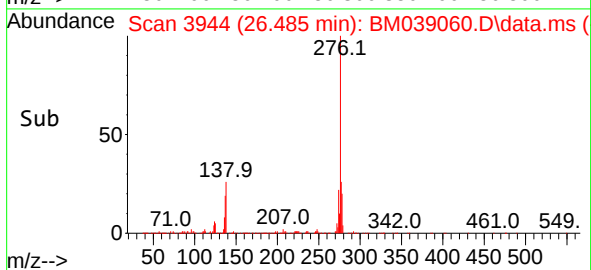
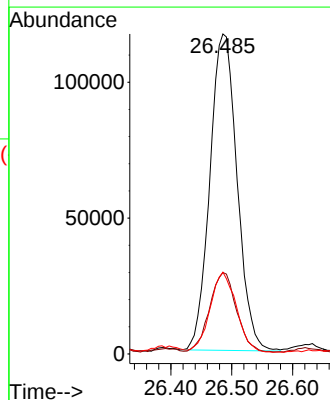
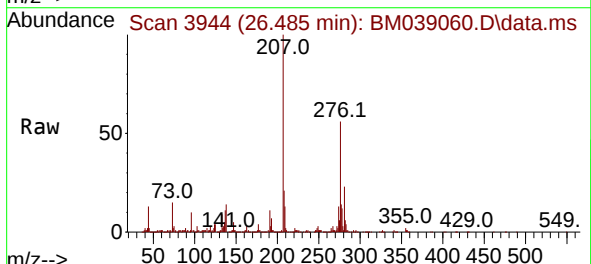
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.5	17.9	26.9

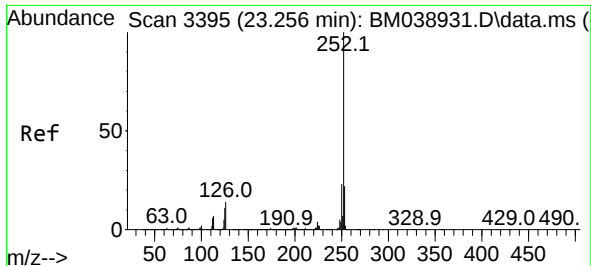


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.570 ng
RT: 26.485 min Scan# 3944
Delta R.T. -0.035 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:276 Resp: 361970

Ion	Ratio	Lower	Upper
276	100		
138	24.9	22.1	33.1
277	24.6	20.1	30.1

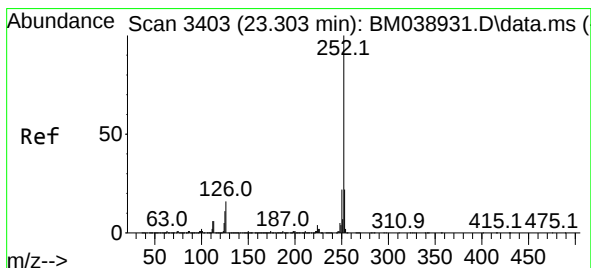
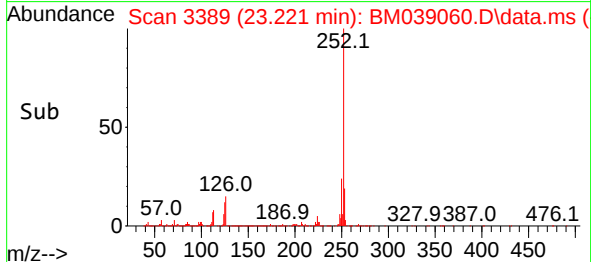
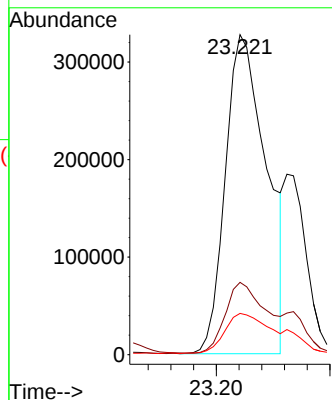
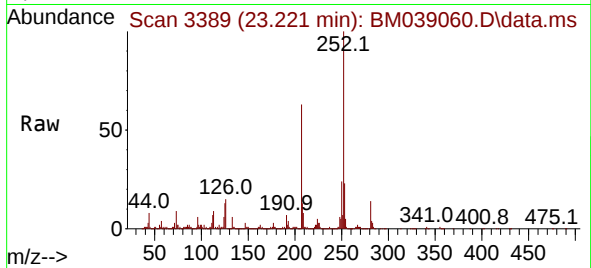




#88
Benzo(b)fluoranthene
Concen: 9.672 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.018 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

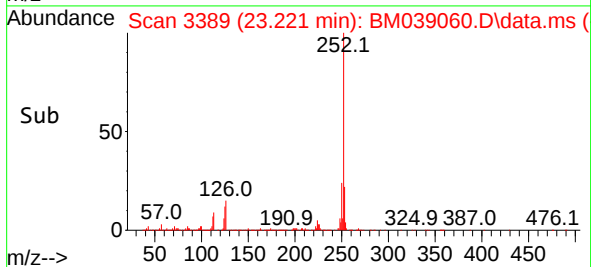
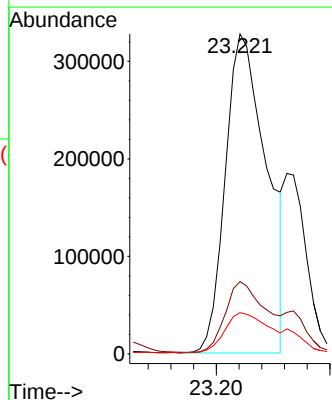
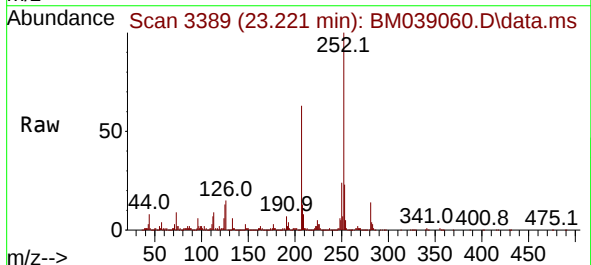
Instrument :
BNA_M
ClientSampleId :
MAPLE-5

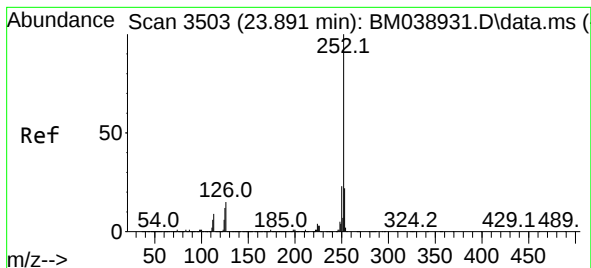
Tgt Ion:252 Resp: 823387
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.9 8.8 13.2



#89
Benzo(k)fluoranthene
Concen: 9.294 ng
RT: 23.221 min Scan# 3389
Delta R.T. -0.065 min
Lab File: BM039060.D
Acq: 21 Mar 2023 00:57

Tgt Ion:252 Resp: 823387
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 12.9 8.9 13.3





#90

Benzo(a)pyrene

Concen: 6.527 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Instrument :

BNA_M

ClientSampleId :

MAPLE-5

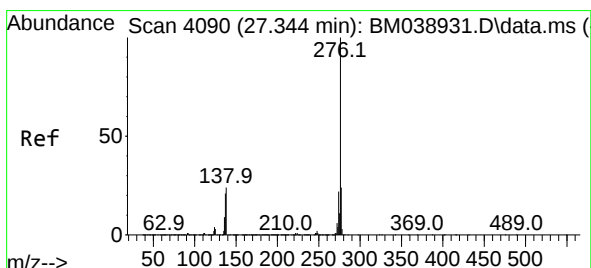
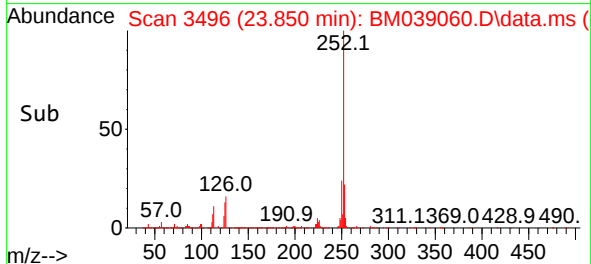
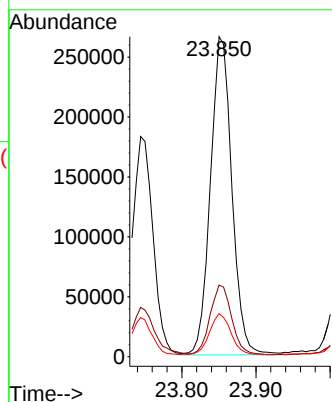
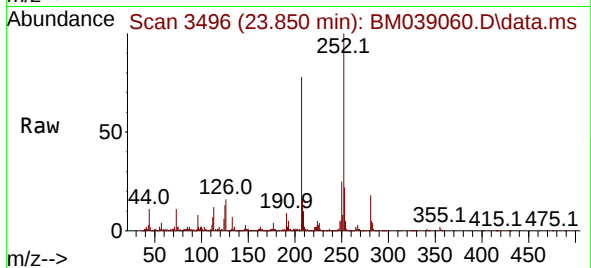
Tgt Ion:252 Resp: 534816

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 13.4 9.8 14.8



#92

Benzo(g,h,i)perylene

Concen: 3.890 ng

RT: 27.268 min Scan# 4077

Delta R.T. -0.035 min

Lab File: BM039060.D

Acq: 21 Mar 2023 00:57

Tgt Ion:276 Resp: 326812

Ion Ratio Lower Upper

276 100

277 24.8 19.3 28.9

138 25.8 19.0 28.6

