

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038491.D
 Acq On : 19 Jan 2023 17:13
 Operator : CG/JU
 Sample : PB150215BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150215BL

Quant Time: Jan 20 03:58:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM011623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 06:09:42 2023
 Response via : Initial Calibration

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

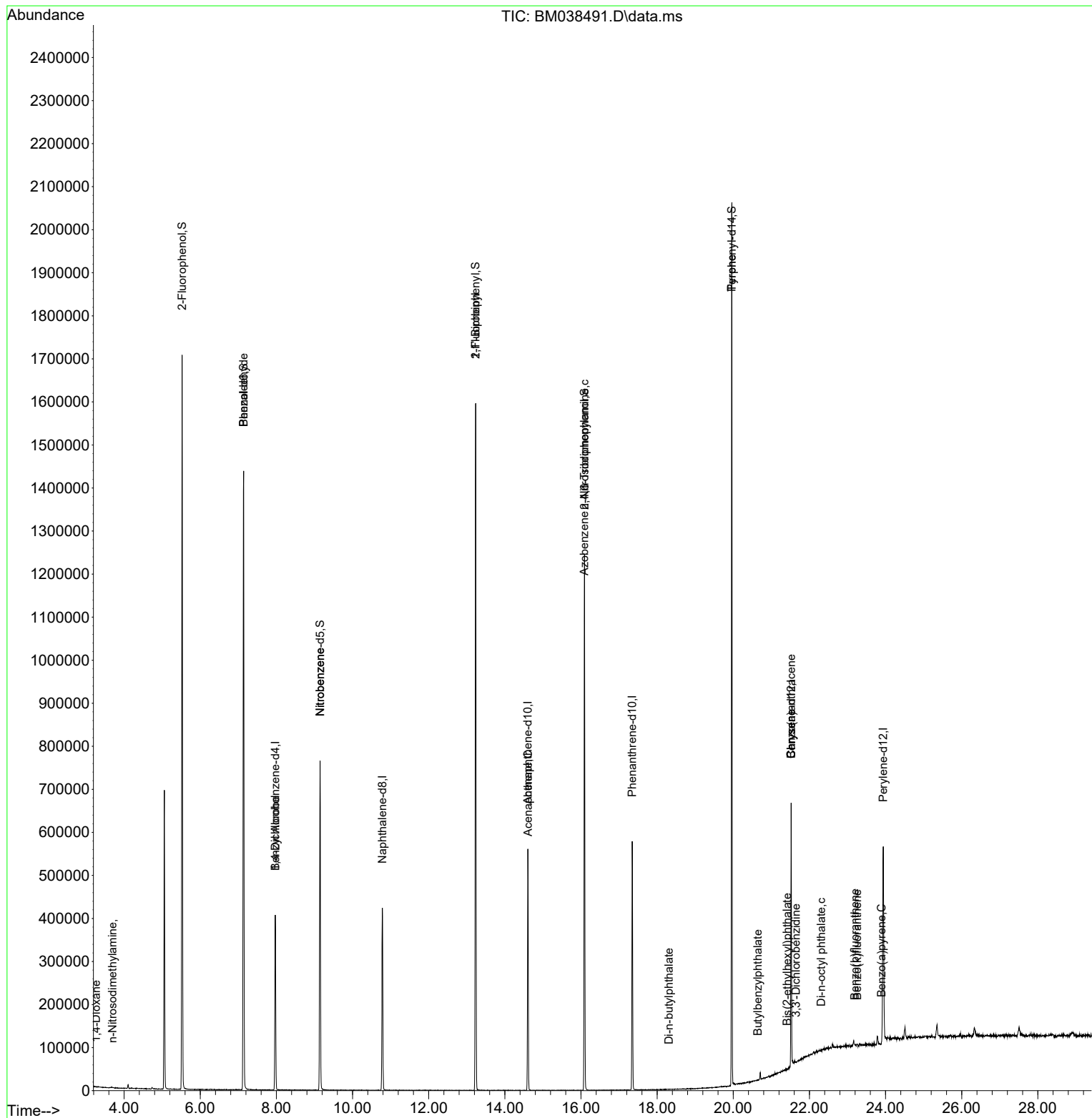
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	85322	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	285455	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	155660	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	305149	20.000	ng	0.00
76) Chrysene-d12	21.521	240	255804	20.000	ng	0.00
86) Perylene-d12	23.939	264	323784	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	497451	88.935	ng	0.00
7) Phenol-d6	7.140	99	590607	82.428	ng	0.00
23) Nitrobenzene-d5	9.145	82	390223	55.699	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	162076	61.592	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	657878	52.707	ng	0.00
79) Terphenyl-d14	19.962	244	852750	62.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.264	88	56	0.022	ng	# 1
4) n-Nitrosodimethylamine	3.693	42	157	0.036	ng	# 1
9) Benzaldehyde	7.140	77	1681	0.351	ng	# 7
15) Benzyl Alcohol	7.969	79	3641	0.634	ng	# 41
24) Nitrobenzene	9.145	77	1742	0.235	ng	# 40
46) 1,1'-Biphenyl	13.233	154	1289	0.107	ng	# 1
52) Acenaphthene	14.610	154	463	0.051	ng	# 3
63) Azobenzene	16.086	77	1842	0.129	ng	# 50
66) n-Nitrosodiphenylamine	16.092	169	5853	0.654	ng	# 49
74) Di-n-butylphthalate	18.310	149	439	0.024	ng	# 78
78) Pyrene	19.957	202	2635	0.155	ng	# 75
80) Butylbenzylphthalate	20.645	149	125	0.020	ng	# 22
81) Benzo(a)anthracene	21.521	228	599	0.033	ng	# 52
82) 3,3'-Dichlorobenzidine	21.645	252	66	0.011	ng	# 25
83) Chrysene	21.521	228	599	0.034	ng	# 49
84) Bis(2-ethylhexyl)phtha...	21.415	149	155	0.017	ng	# 54
85) Di-n-octyl phthalate	22.309	149	196	0.012	ng	# 1
88) Benzo(b)fluoranthene	23.192	252	65	0.003	ng	# 60
89) Benzo(k)fluoranthene	23.256	252	102	0.005	ng	# 1
90) Benzo(a)pyrene	23.892	252	136	0.007	ng	# 18

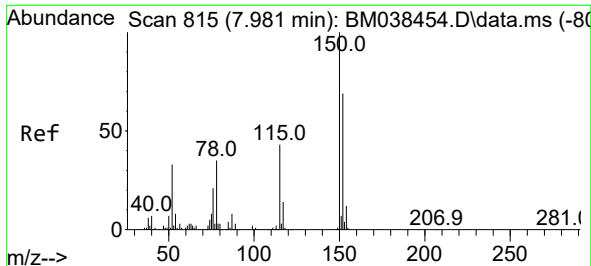
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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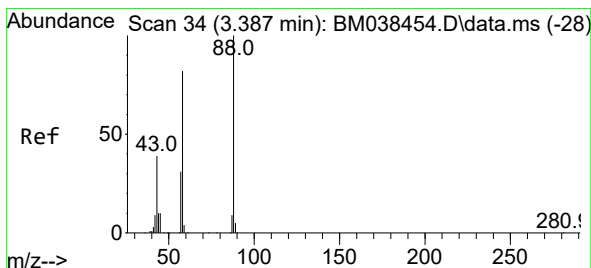
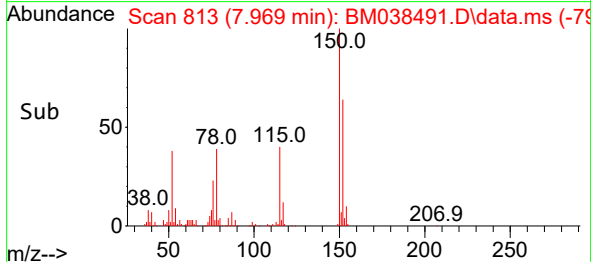
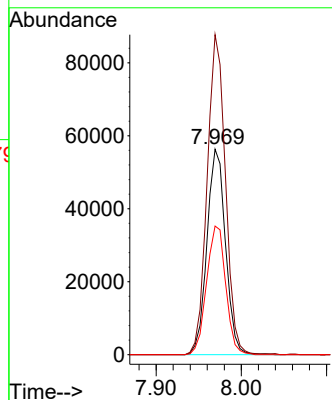
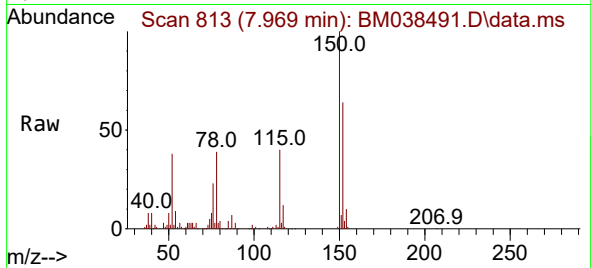




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.969 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM038491.D
 Acq: 19 Jan 2023 17:13

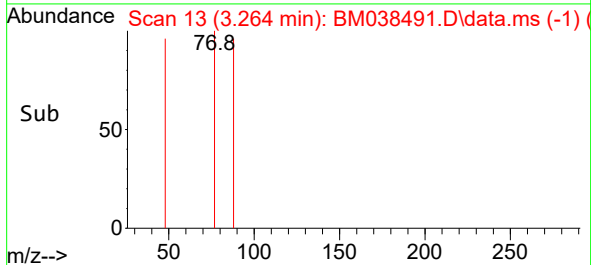
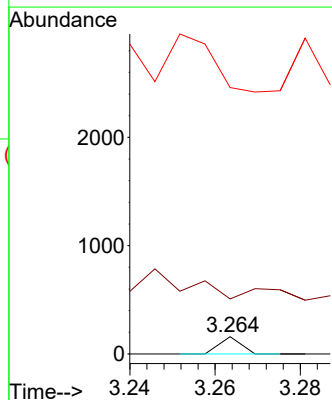
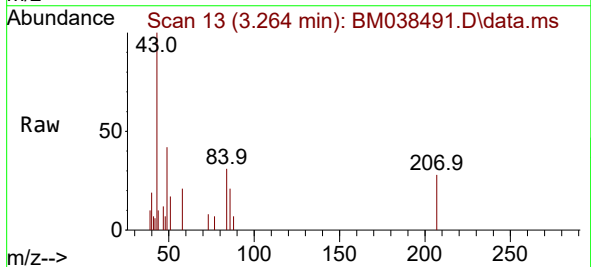
Instrument :
 BNA_M
 ClientSampleId :
 PB150215BL

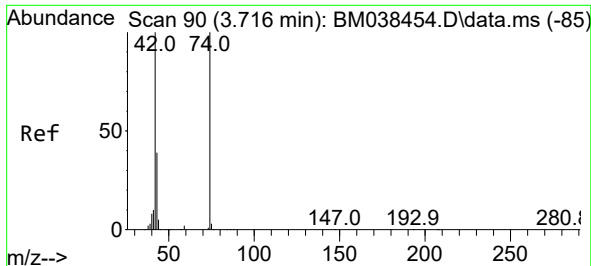
Tgt Ion:152 Resp: 85322
 Ion Ratio Lower Upper
 152 100
 150 155.7 116.0 174.0
 115 62.6 49.4 74.2



#2
 1,4-Dioxane
 Concen: 0.022 ng
 RT: 3.264 min Scan# 13
 Delta R.T. -0.117 min
 Lab File: BM038491.D
 Acq: 19 Jan 2023 17:13

Tgt Ion: 88 Resp: 56
 Ion Ratio Lower Upper
 88 100
 58 0.0 64.3 96.5#
 43 578.6 32.3 48.5#

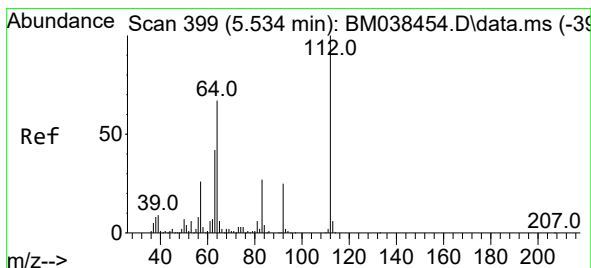
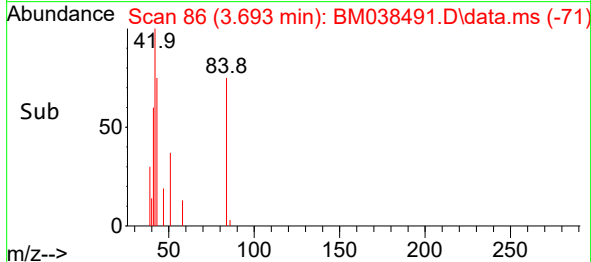
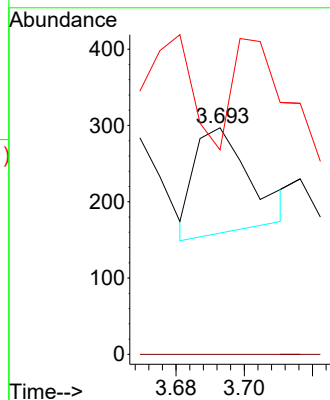
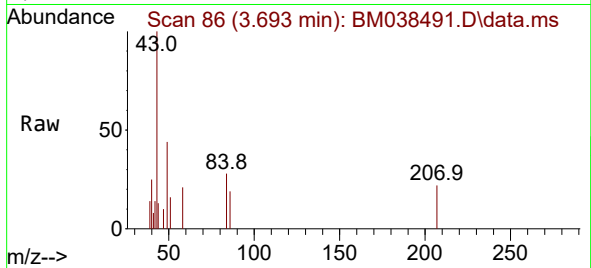




#4
n-Nitrosodimethylamine
Concen: 0.036 ng
RT: 3.693 min Scan# 80
Delta R.T. -0.011 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

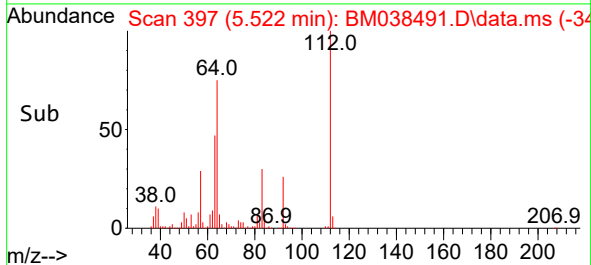
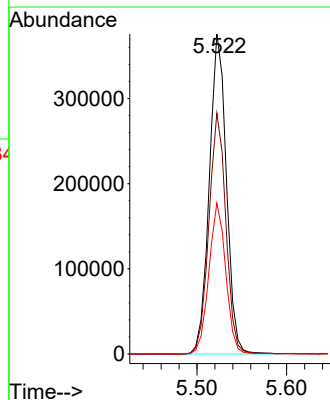
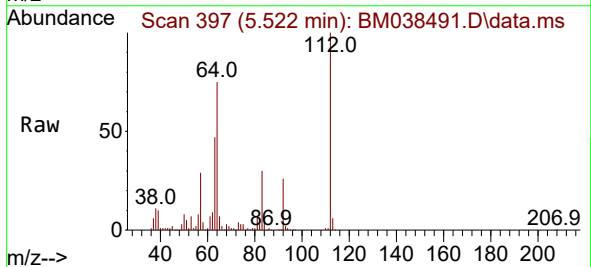
Instrument :
BNA_M
ClientSampleId :
PB150215BL

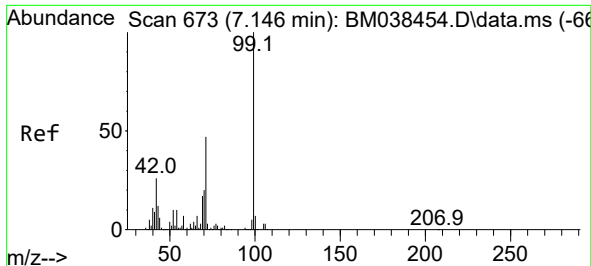
Tgt Ion: 42 Resp: 157
Ion Ratio Lower Upper
42 100
74 0.0 79.7 119.5#
44 90.2 4.7 7.1#



#5
2-Fluorophenol
Concen: 88.935 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion: 112 Resp: 497451
Ion Ratio Lower Upper
112 100
64 75.3 53.7 80.5
63 47.1 33.7 50.5

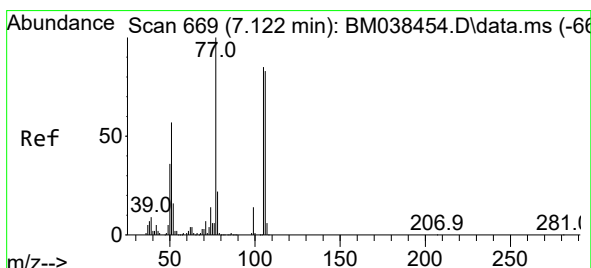
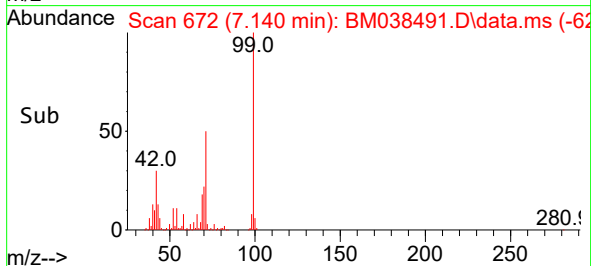
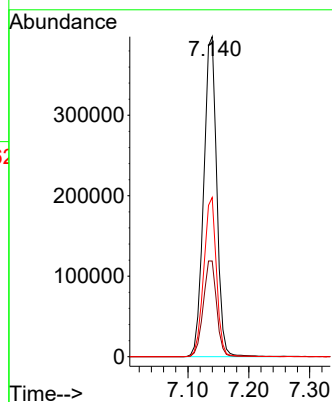
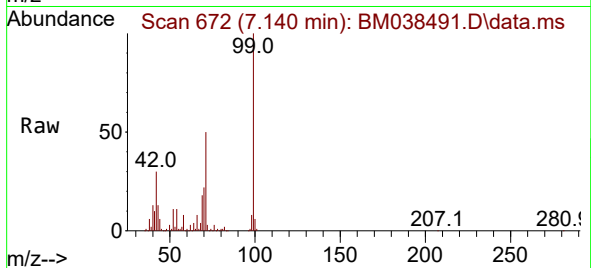




#7
Phenol-d6
Concen: 82.428 ng
RT: 7.140 min Scan# 673
Delta R.T. 0.000 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

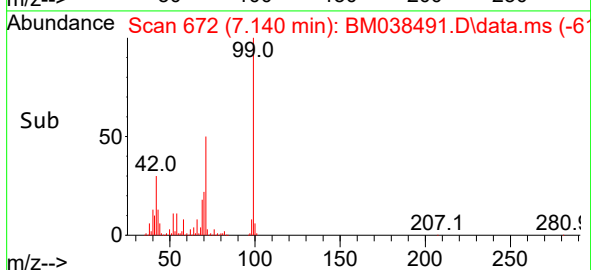
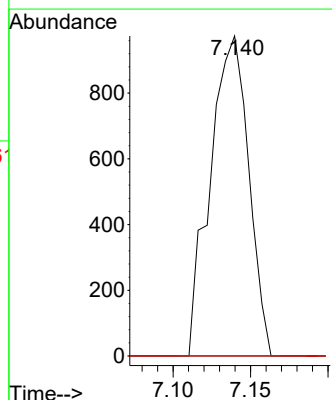
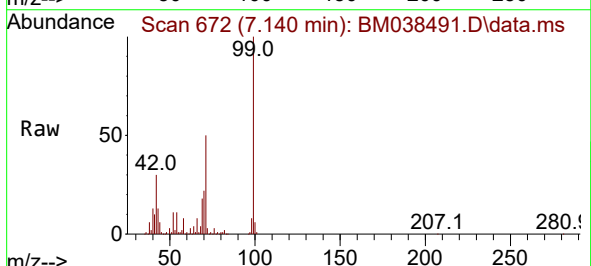
Instrument :
BNA_M
ClientSampleId :
PB150215BL

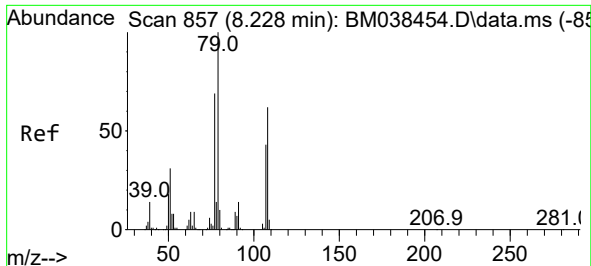
Tgt Ion: 99 Resp: 590607
Ion Ratio Lower Upper
99 100
42 29.9 20.8 31.2
71 49.7 37.8 56.8



#9
Benzaldehyde
Concen: 0.351 ng
RT: 7.140 min Scan# 672
Delta R.T. 0.024 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion: 77 Resp: 1681
Ion Ratio Lower Upper
77 100
105 0.0 65.3 105.3#
106 0.0 62.5 102.5#

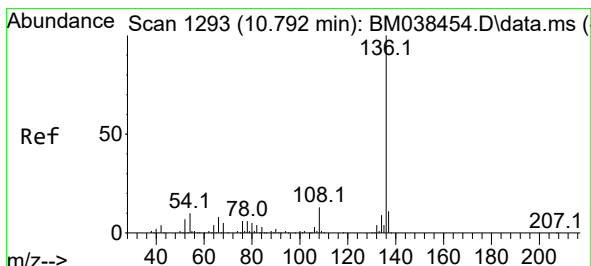
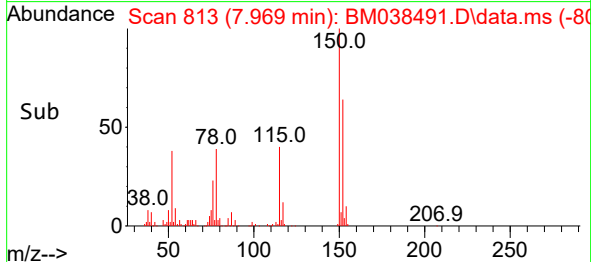
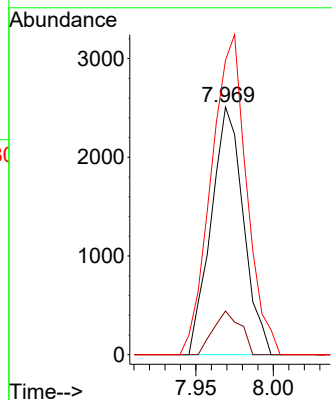
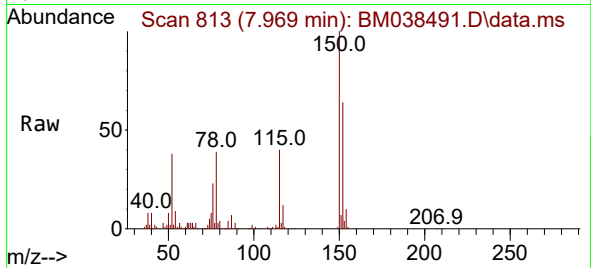




#15
Benzyl Alcohol
Concen: 0.634 ng
RT: 7.969 min Scan# 81
Delta R.T. -0.253 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

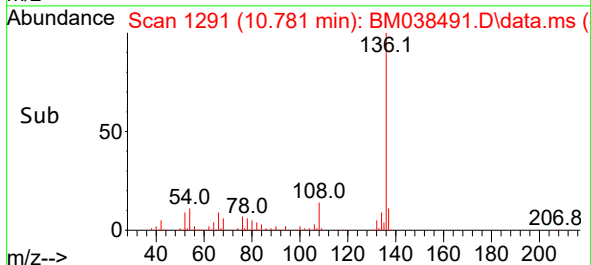
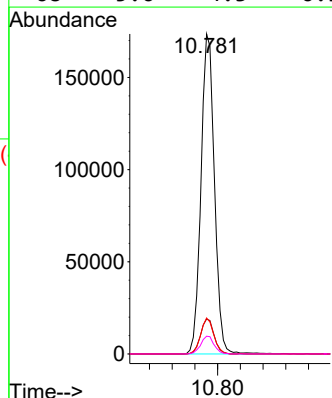
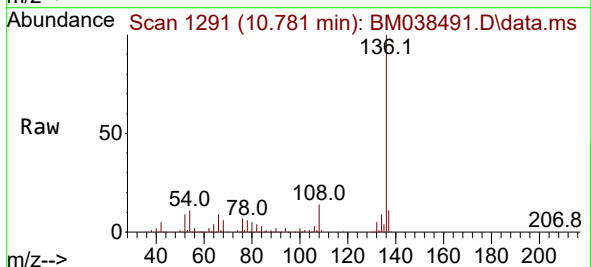
Instrument :
BNA_M
ClientSampleId :
PB150215BL

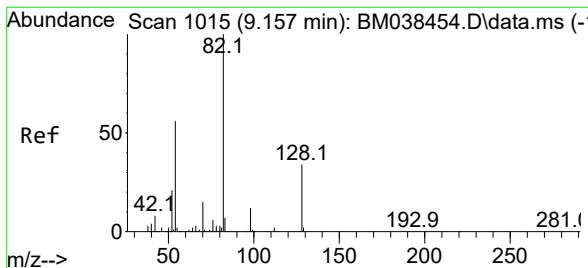
Tgt Ion: 79 Resp: 3641
Ion Ratio Lower Upper
79 100
108 17.6 49.3 73.9#
77 118.9 55.1 82.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion: 136 Resp: 285455
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 11.3 7.6 11.4
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 55.699 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

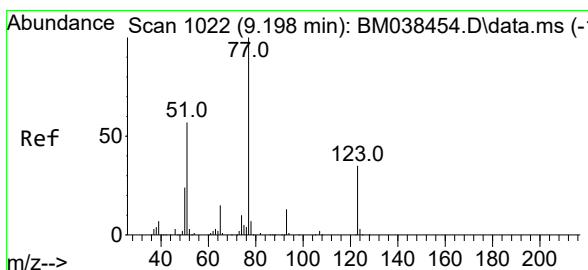
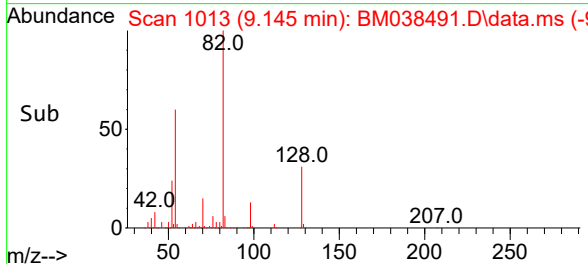
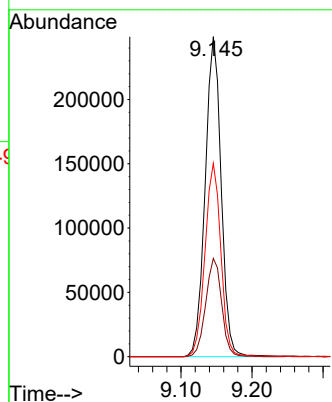
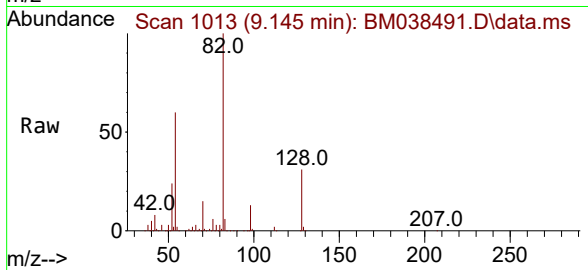
Tgt Ion: 82 Resp: 390223

Ion Ratio Lower Upper

82 100

128 30.7 27.0 40.6

54 60.4 45.0 67.6



#24

Nitrobenzene

Concen: 0.235 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.047 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

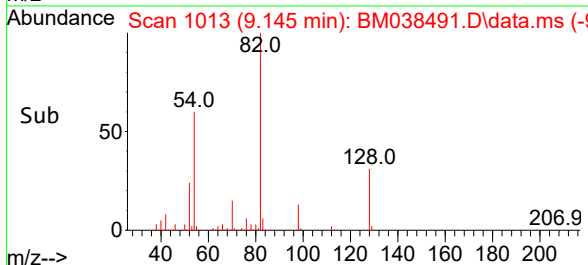
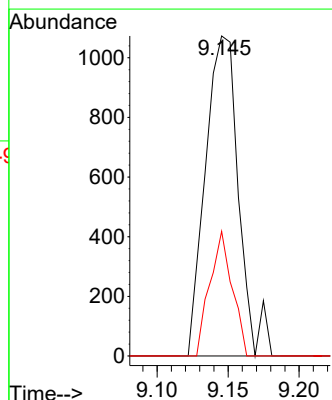
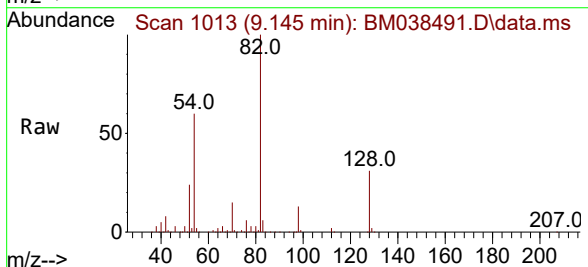
Tgt Ion: 77 Resp: 1742

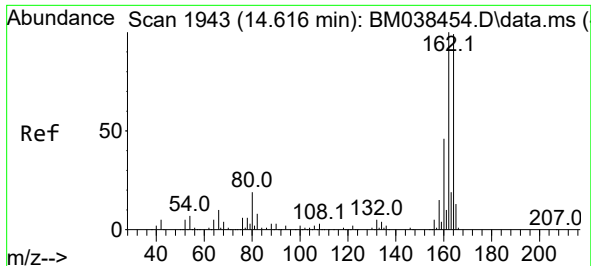
Ion Ratio Lower Upper

77 100

123 0.0 28.2 42.4#

65 39.0 12.1 18.1#

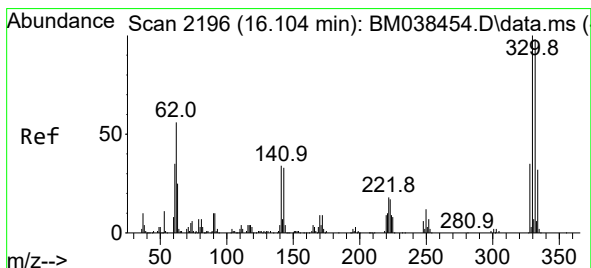
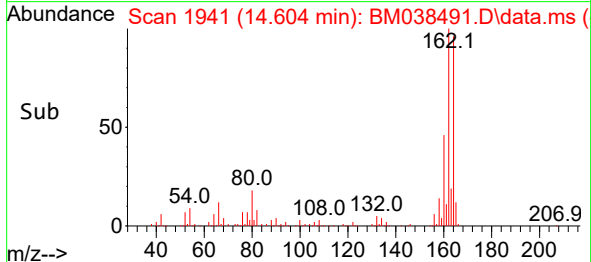
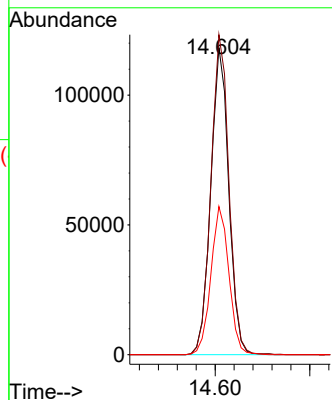
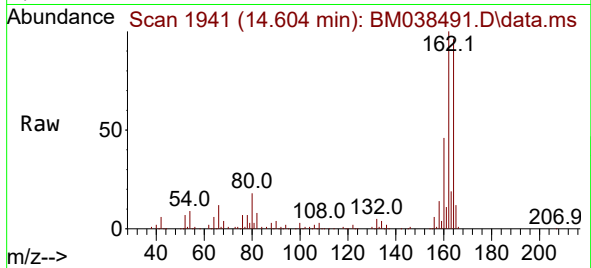




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

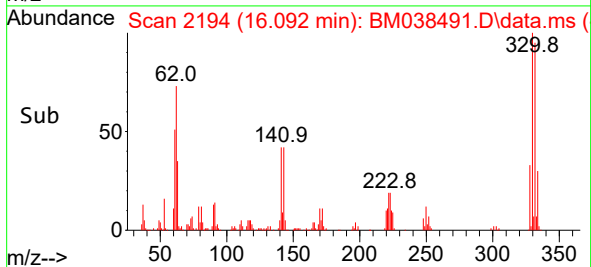
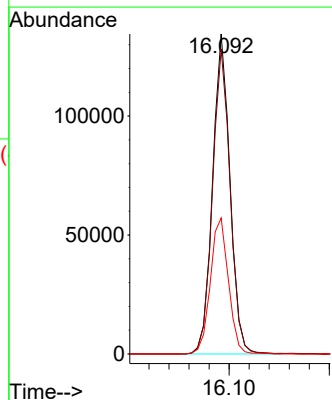
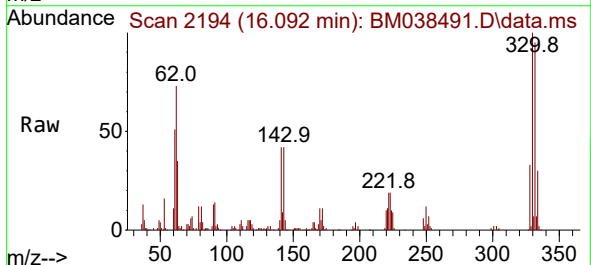
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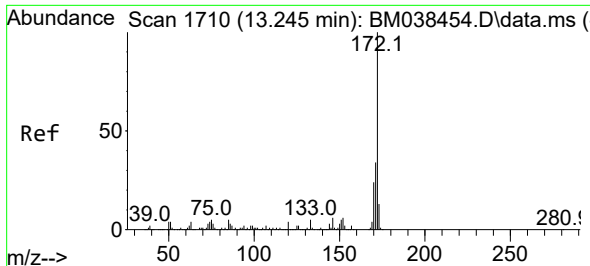
Tgt Ion:164 Resp: 155660
Ion Ratio Lower Upper
164 100
162 104.2 80.9 121.3
160 48.2 37.4 56.0



#42
2,4,6-Tribromophenol
Concen: 61.592 ng
RT: 16.092 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion:330 Resp: 162076
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 44.1 28.1 42.1#

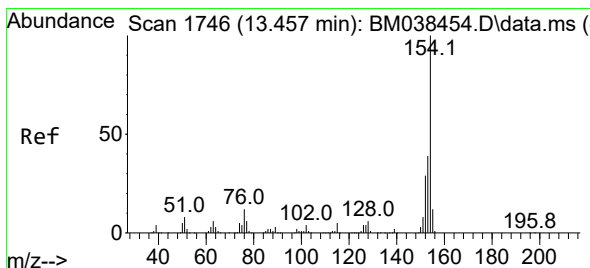
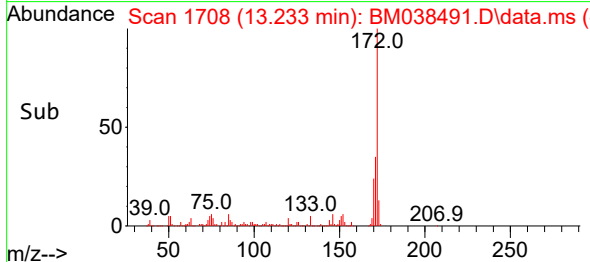
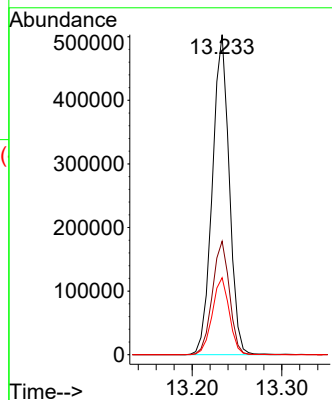
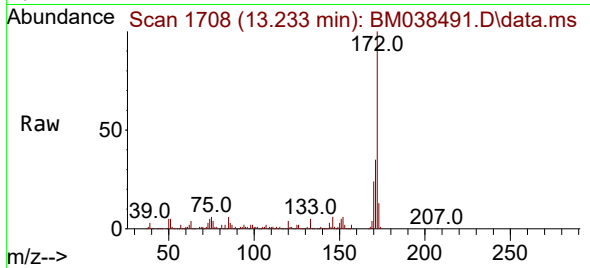




#45
2-Fluorobiphenyl
Concen: 52.707 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

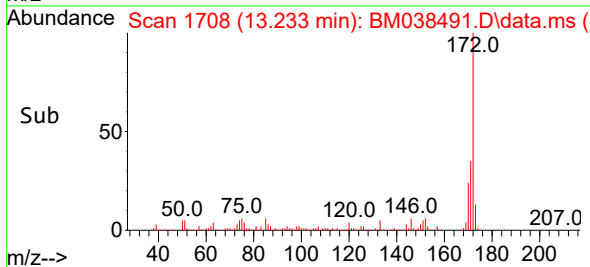
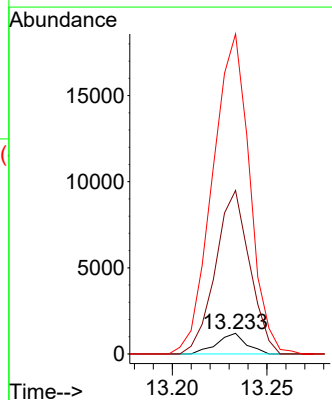
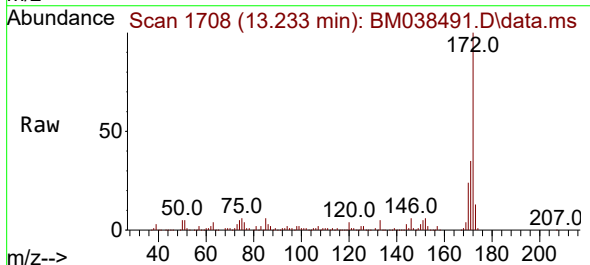
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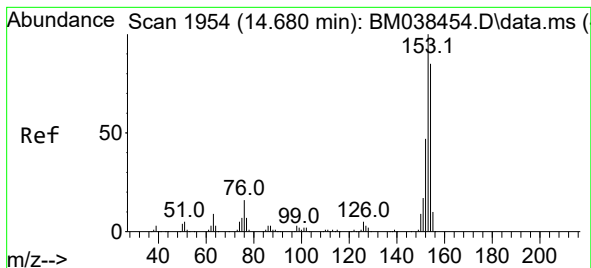
Tgt Ion:172 Resp: 657878
Ion Ratio Lower Upper
172 100
171 35.4 27.5 41.3
170 24.0 19.0 28.6



#46
1,1'-Biphenyl
Concen: 0.107 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.211 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion:154 Resp: 1289
Ion Ratio Lower Upper
154 100
153 792.9 19.3 59.3#
76 1551.9 0.0 32.2#





#52

Acenaphthene

Concen: 0.051 ng

RT: 14.610 min Scan# 1942

Delta R.T. -0.064 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

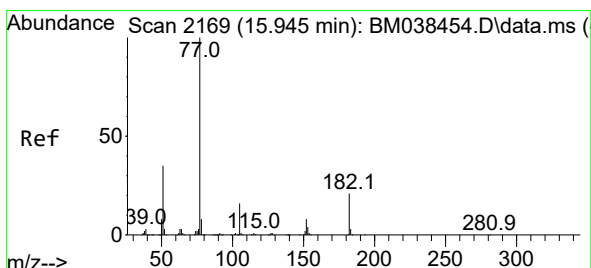
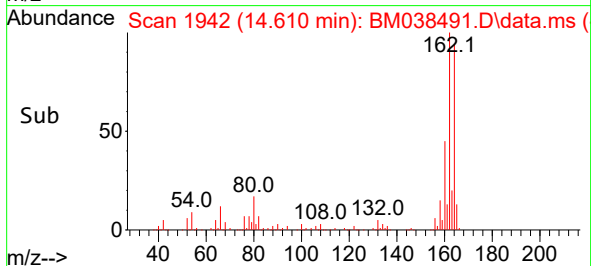
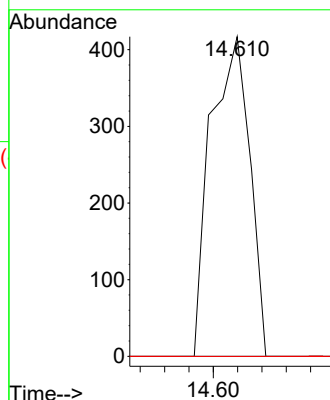
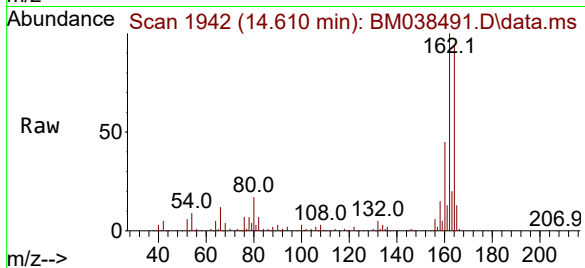
Tgt Ion:154 Resp: 463

Ion Ratio Lower Upper

154 100

153 0.0 93.8 140.6#

152 0.0 44.2 66.4#



#63

Azobenzene

Concen: 0.129 ng

RT: 16.086 min Scan# 2193

Delta R.T. 0.147 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Tgt Ion: 77 Resp: 1842

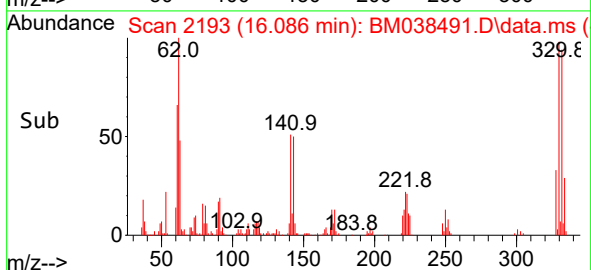
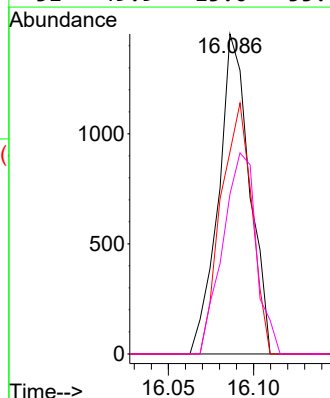
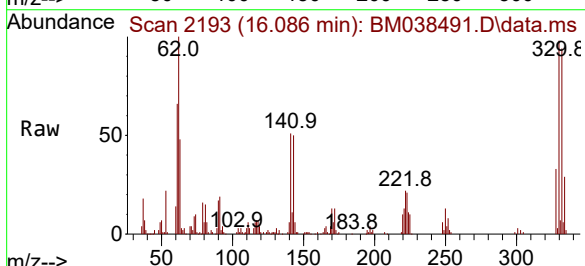
Ion Ratio Lower Upper

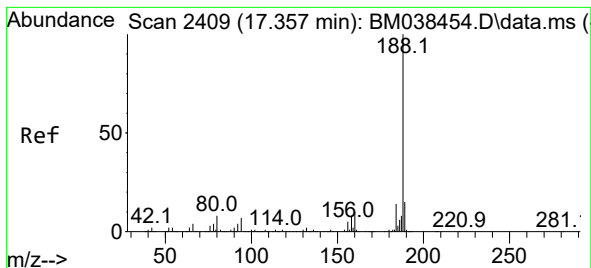
77 100

182 0.0 1.1 41.1#

105 63.1 0.0 36.4#

51 49.9 15.0 55.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.345 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

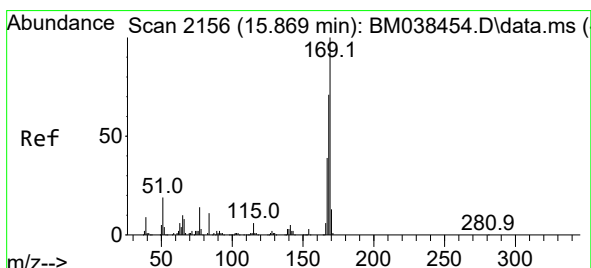
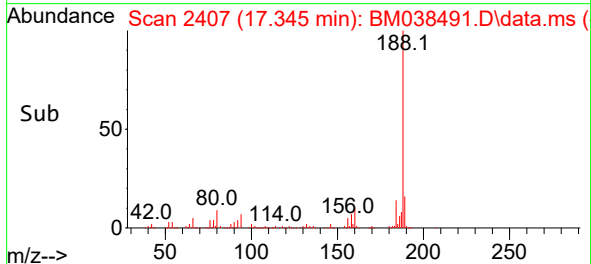
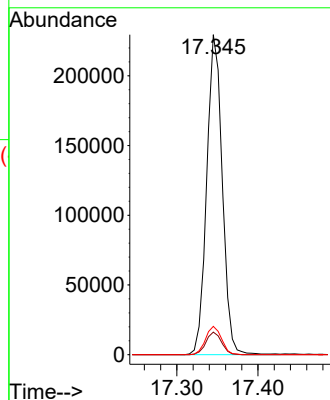
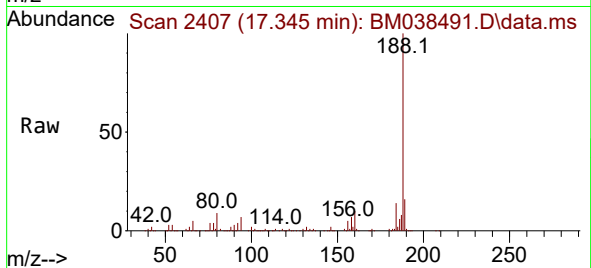
Tgt Ion:188 Resp: 305149

Ion Ratio Lower Upper

188 100

94 7.1 5.4 8.0

80 8.9 6.5 9.7



#66

n-Nitrosodiphenylamine

Concen: 0.654 ng

RT: 16.092 min Scan# 2194

Delta R.T. 0.230 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

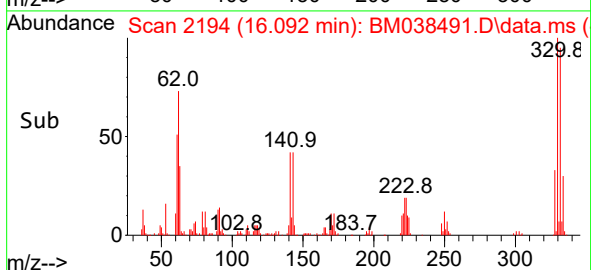
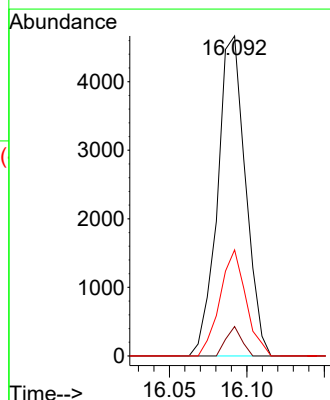
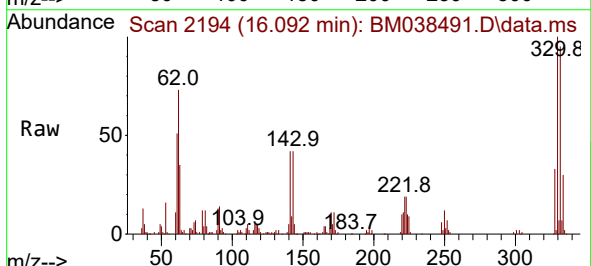
Tgt Ion:169 Resp: 5853

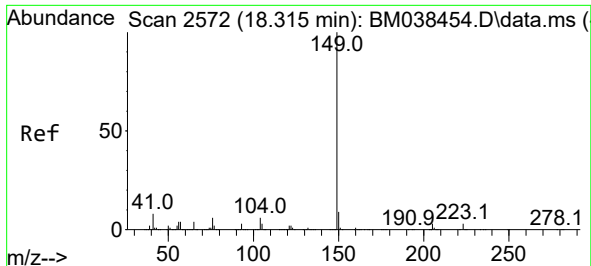
Ion Ratio Lower Upper

169 100

168 9.2 56.6 85.0#

167 33.1 31.1 46.7

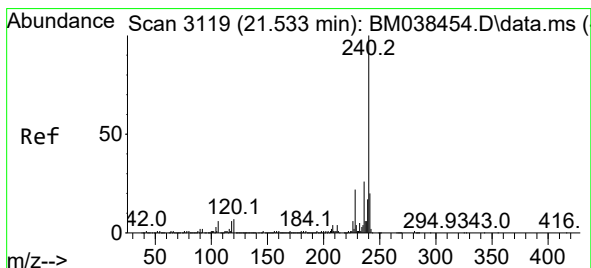
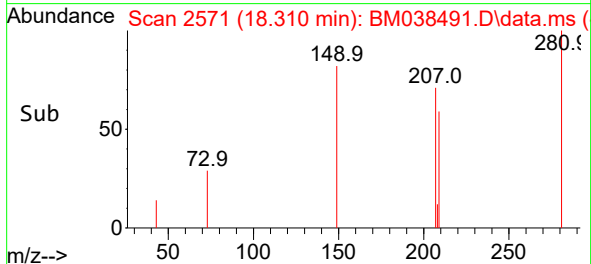
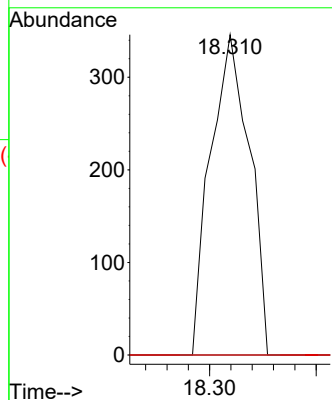
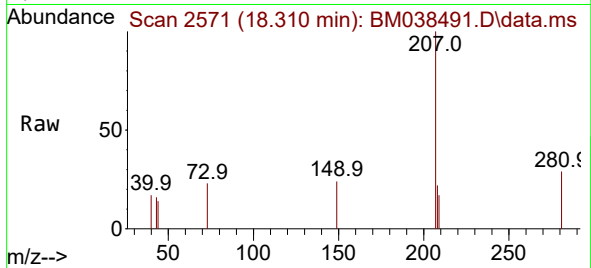




#74
Di-n-butylphthalate
Concen: 0.024 ng
RT: 18.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

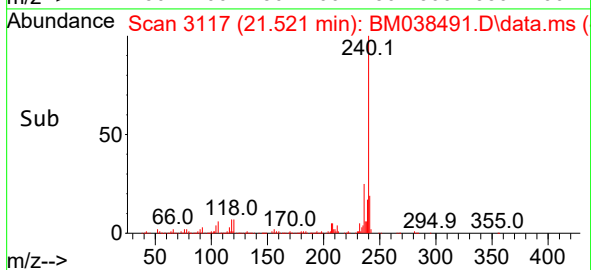
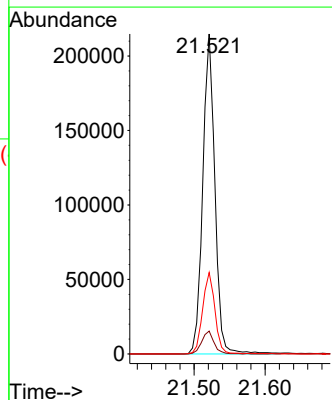
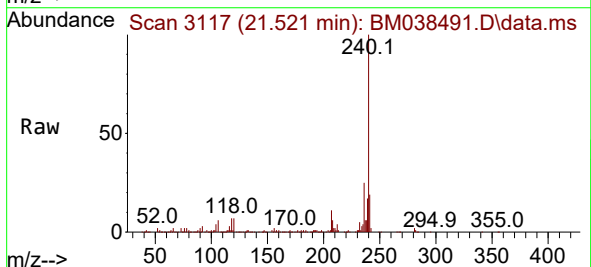
Instrument :
BNA_M
ClientSampleId :
PB150215BL

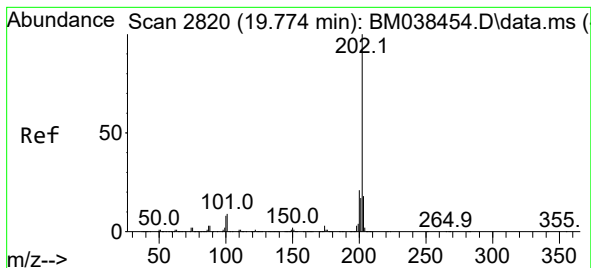
Tgt Ion:149 Resp: 439
Ion Ratio Lower Upper
149 100
150 0.0 7.4 11.2#
104 0.0 4.7 7.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion:240 Resp: 255804
Ion Ratio Lower Upper
240 100
120 7.2 5.6 8.4
236 25.5 21.0 31.4





#78

Pyrene

Concen: 0.155 ng

RT: 19.957 min Scan# 21

Delta R.T. 0.189 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

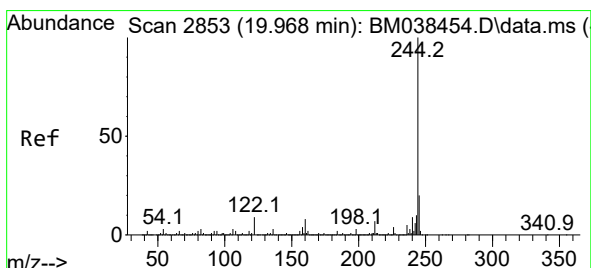
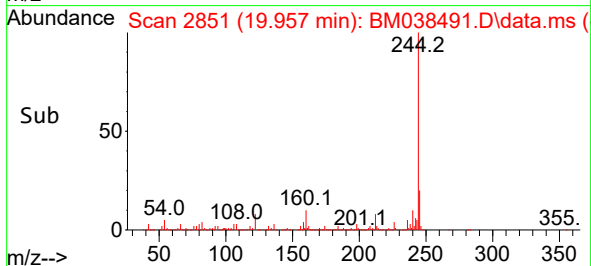
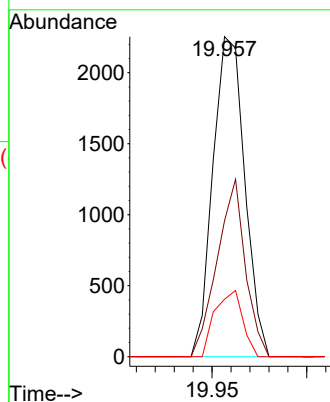
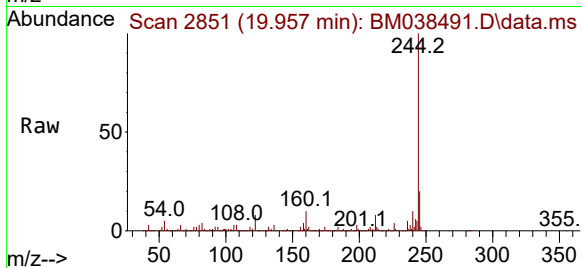
Tgt Ion:202 Resp: 2635

Ion Ratio Lower Upper

202 100

200 42.5 16.9 25.3#

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 62.406 ng

RT: 19.962 min Scan# 2852

Delta R.T. 0.000 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

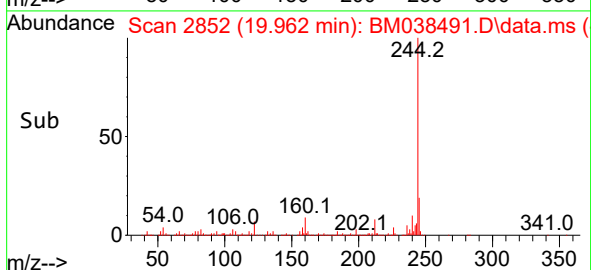
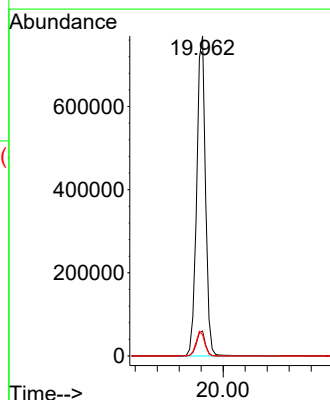
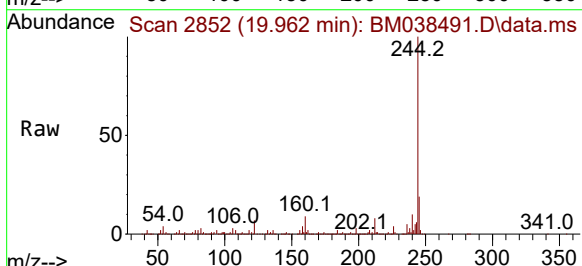
Tgt Ion:244 Resp: 852750

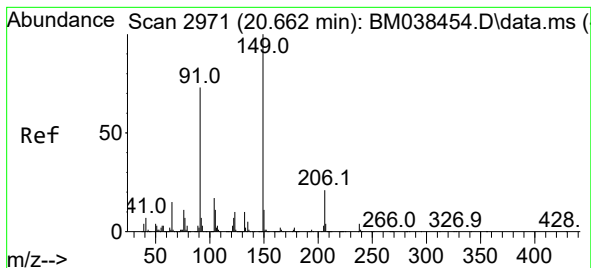
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 6.5 7.1 10.7#





#80

Butylbenzylphthalate

Concen: 0.020 ng

RT: 20.645 min Scan# 2971

Delta R.T. -0.011 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

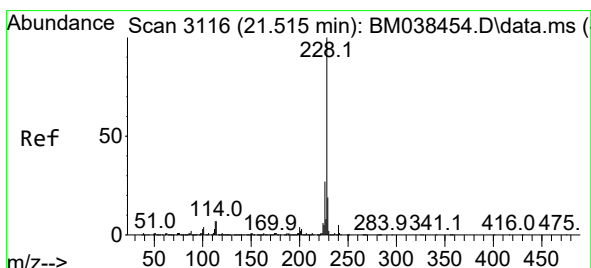
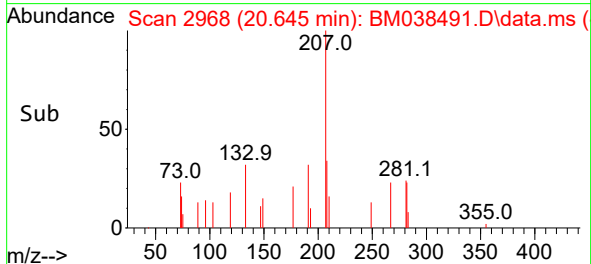
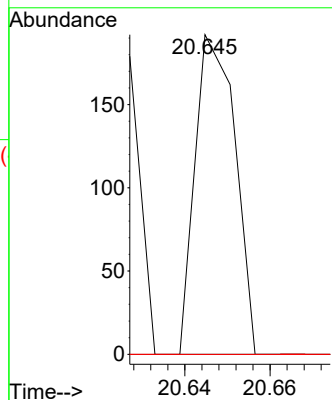
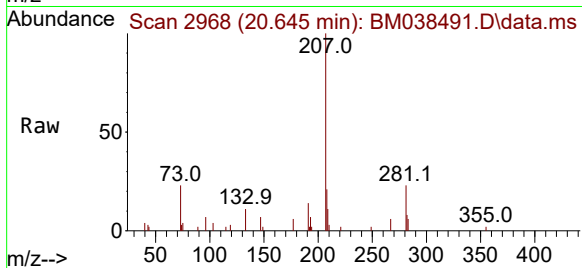
Tgt Ion:149 Resp: 125

Ion Ratio Lower Upper

149 100

91 0.0 58.3 87.5#

206 0.0 16.7 25.1#



#81

Benzo(a)anthracene

Concen: 0.033 ng

RT: 21.521 min Scan# 3117

Delta R.T. 0.012 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

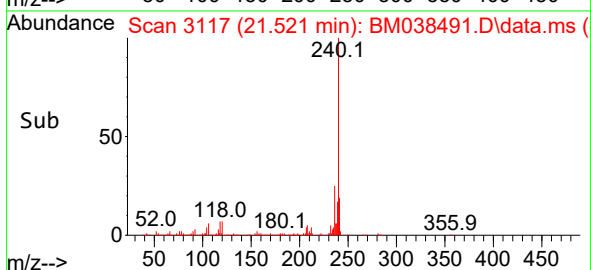
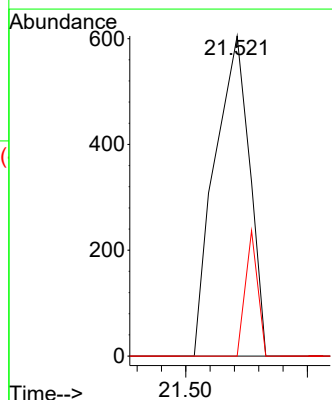
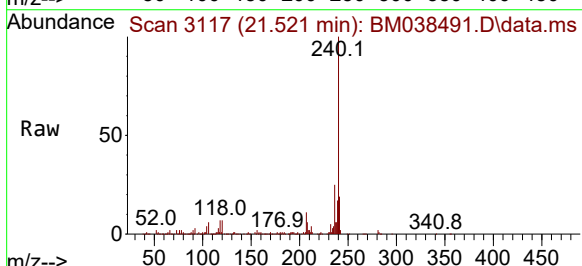
Tgt Ion:228 Resp: 599

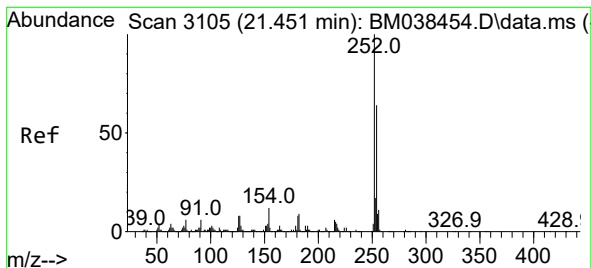
Ion Ratio Lower Upper

228 100

226 0.0 22.0 33.0#

229 0.0 15.4 23.0#





#82

3,3'-Dichlorobenzidine

Concen: 0.011 ng

RT: 21.645 min Scan# 3117

Delta R.T. 0.200 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

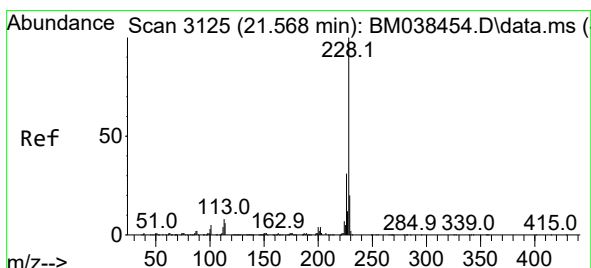
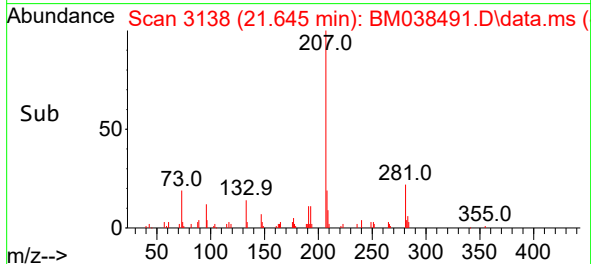
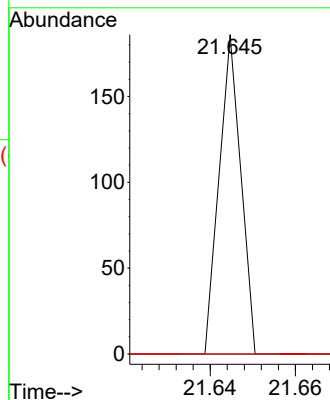
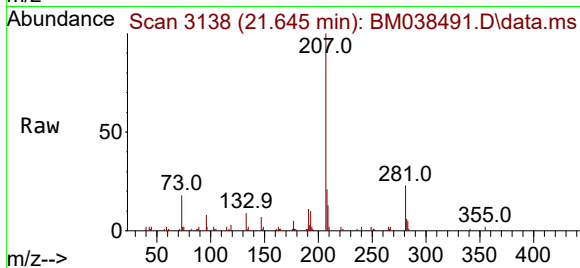
Tgt Ion:252 Resp: 66

Ion Ratio Lower Upper

252 100

254 0.0 51.2 76.8#

126 0.0 6.3 9.5#



#83

Chrysene

Concen: 0.034 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.041 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

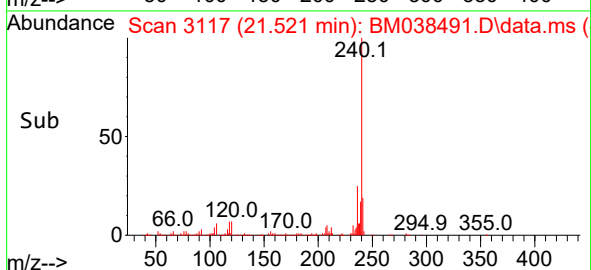
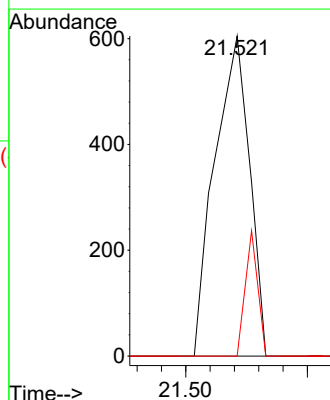
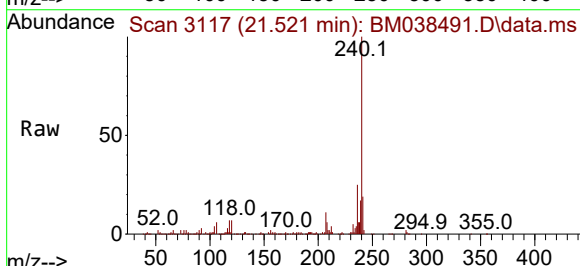
Tgt Ion:228 Resp: 599

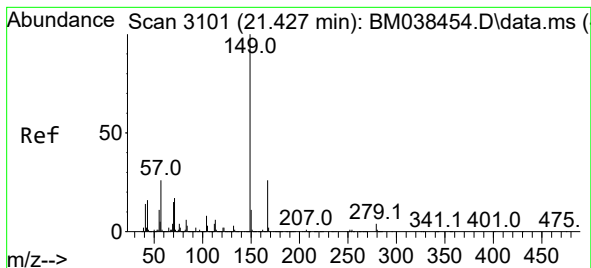
Ion Ratio Lower Upper

228 100

226 0.0 24.6 36.8#

229 0.0 16.1 24.1#

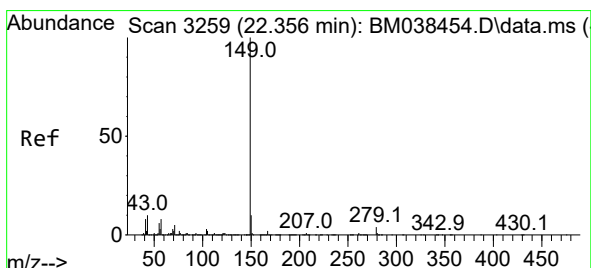
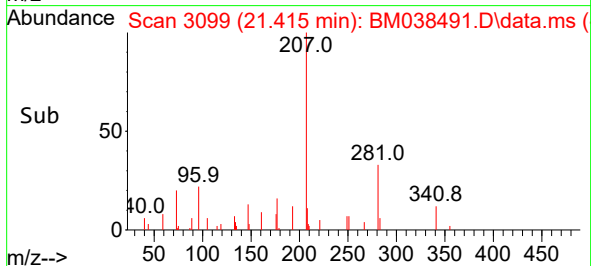
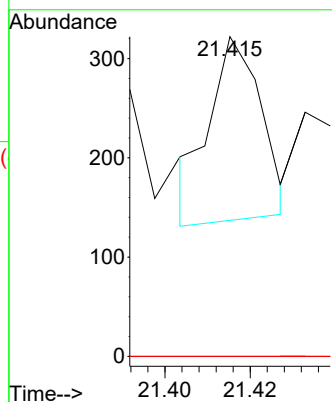
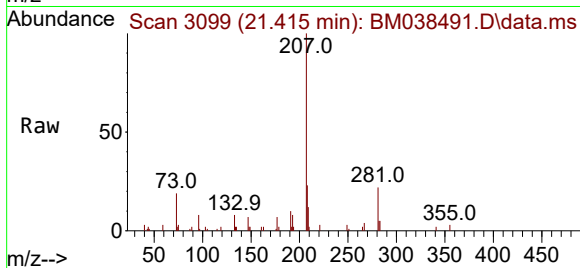




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.017 ng
 RT: 21.415 min Scan# 3099
 Delta R.T. -0.006 min
 Lab File: BM038491.D
 Acq: 19 Jan 2023 17:13

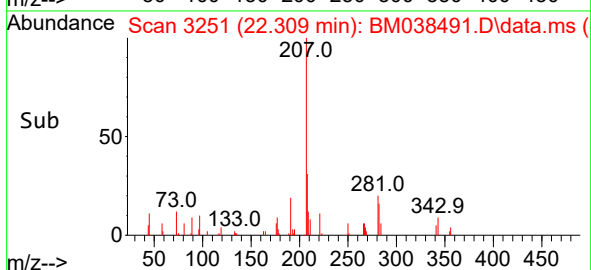
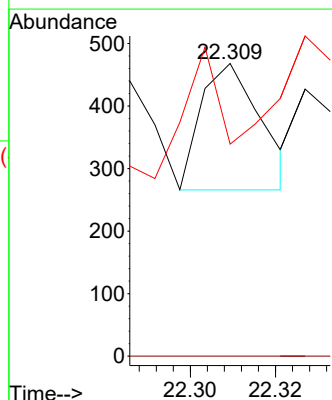
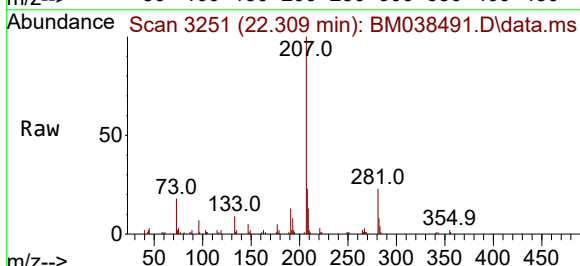
Instrument :
 BNA_M
 ClientSampleId :
 PB150215BL

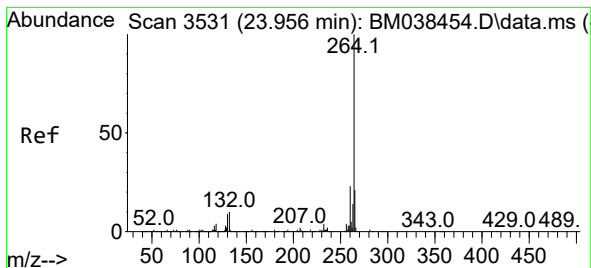
Tgt Ion:149 Resp: 155
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.0 31.4#
 279 0.0 3.4 5.0#



#85
 Di-n-octyl phthalate
 Concen: 0.012 ng
 RT: 22.309 min Scan# 3251
 Delta R.T. -0.041 min
 Lab File: BM038491.D
 Acq: 19 Jan 2023 17:13

Tgt Ion:149 Resp: 196
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 63.8 8.4 12.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.939 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

Instrument :

BNA_M

ClientSampleId :

PB150215BL

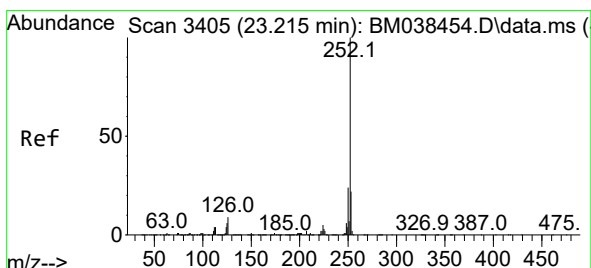
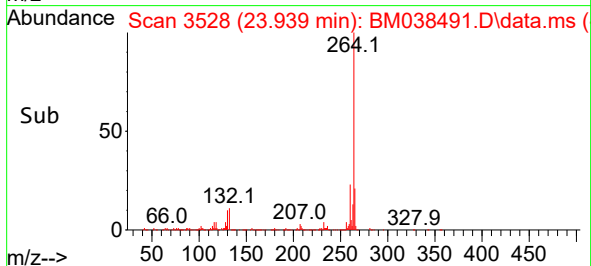
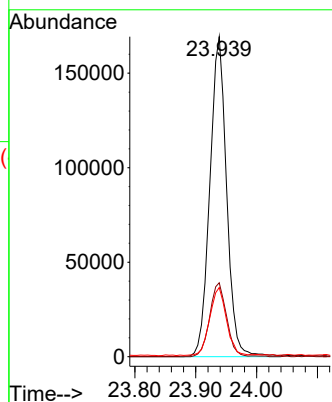
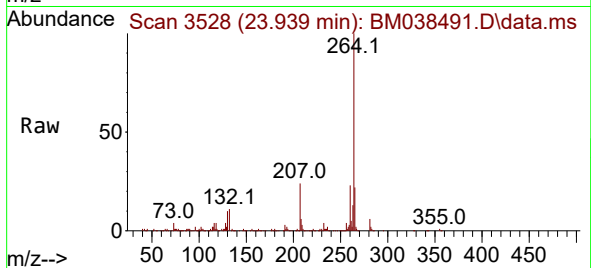
Tgt Ion:264 Resp: 323784

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 21.6 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 0.003 ng

RT: 23.192 min Scan# 3401

Delta R.T. -0.011 min

Lab File: BM038491.D

Acq: 19 Jan 2023 17:13

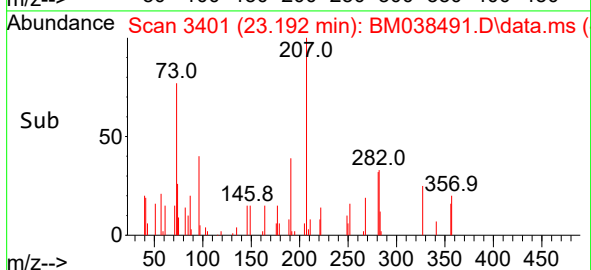
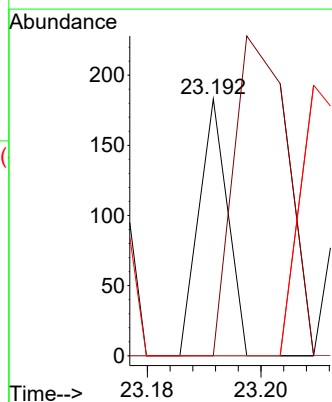
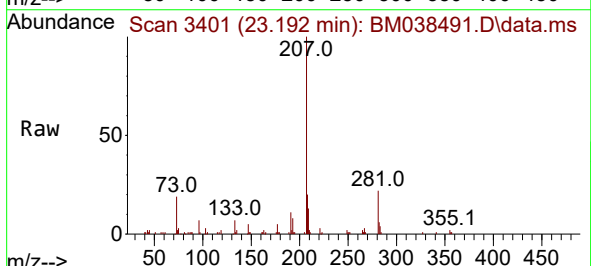
Tgt Ion:252 Resp: 65

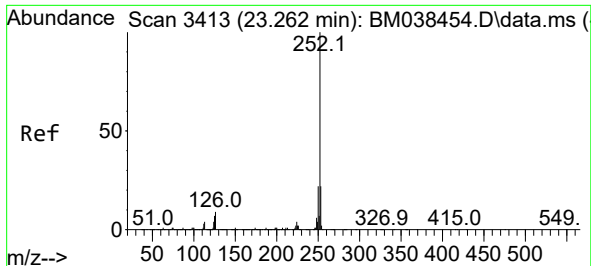
Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.6#

125 0.0 5.1 7.7#

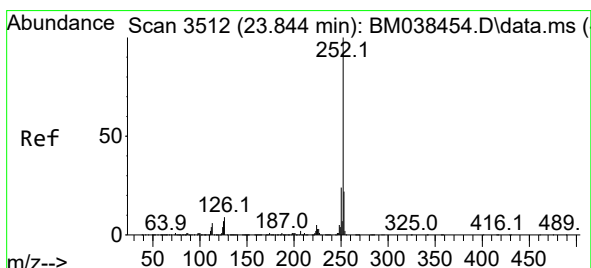
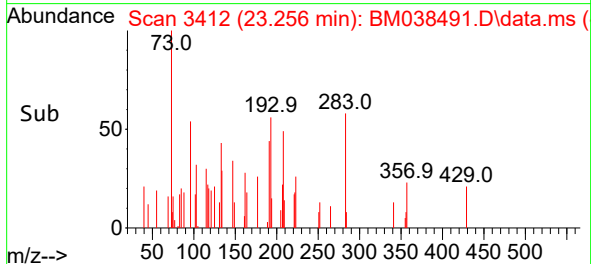
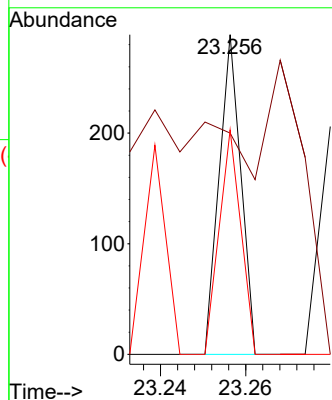
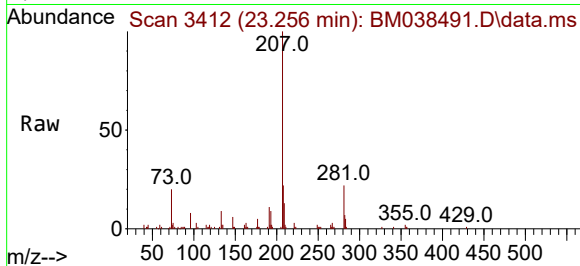




#89
Benzo(k)fluoranthene
Concen: 0.005 ng
RT: 23.256 min Scan# 3413
Delta R.T. 0.000 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Instrument :
BNA_M
ClientSampleId :
PB150215BL

Tgt Ion:252 Resp: 102
Ion Ratio Lower Upper
252 100
253 69.2 17.6 26.4#
125 70.2 5.5 8.3#



#90
Benzo(a)pyrene
Concen: 0.007 ng
RT: 23.892 min Scan# 3520
Delta R.T. 0.053 min
Lab File: BM038491.D
Acq: 19 Jan 2023 17:13

Tgt Ion:252 Resp: 136
Ion Ratio Lower Upper
252 100
253 0.0 17.6 26.4#
125 73.4 5.8 8.8#

