

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038492.D
 Acq On : 19 Jan 2023 17:51
 Operator : CG/JU
 Sample : PB150216BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150216BL

Quant Time: Jan 20 02:48:15 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)

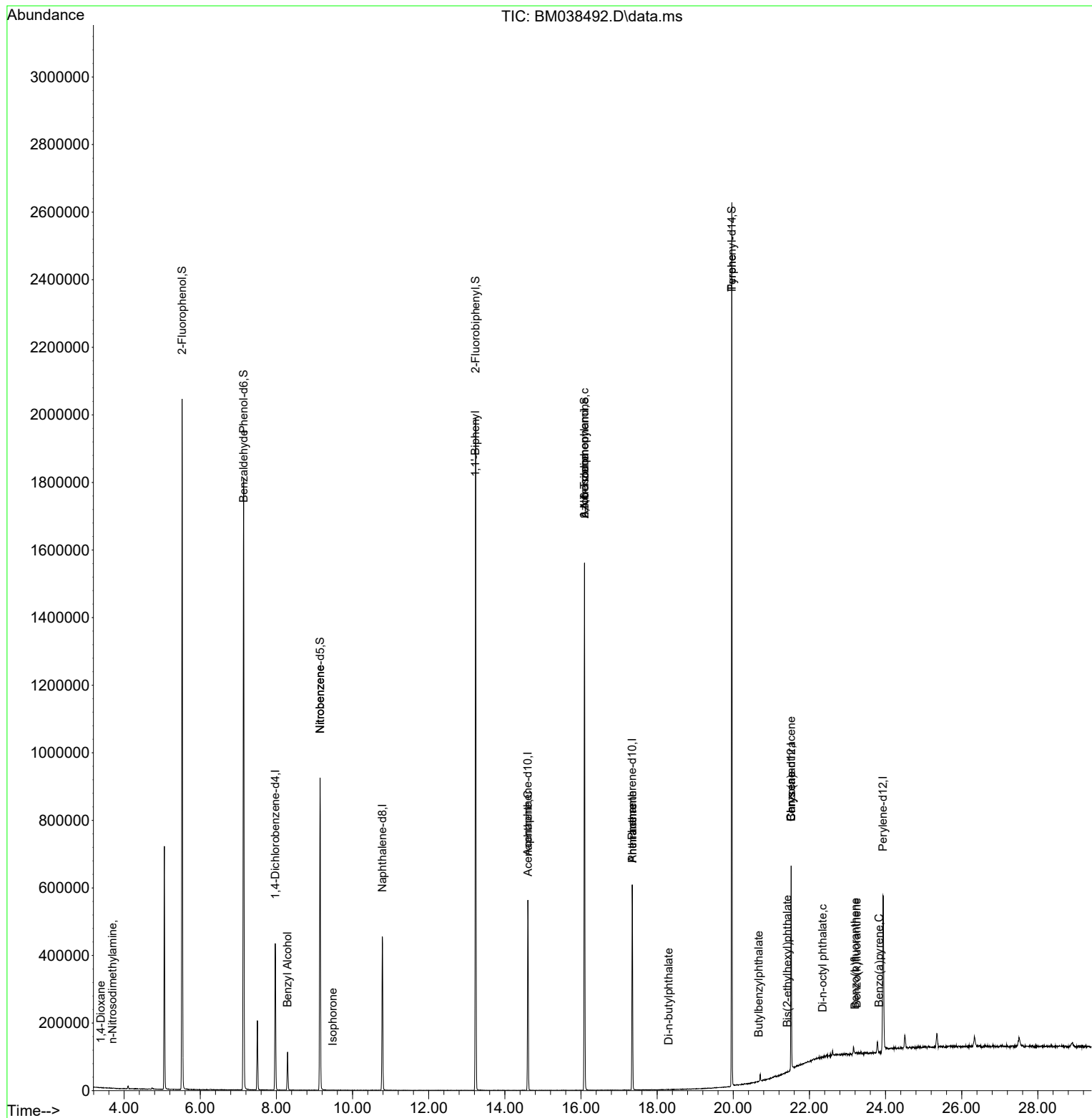
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	89153	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	302408	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	165298	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	324364	20.000	ng	0.00
76) Chrysene-d12	21.521	240	265909	20.000	ng	0.00
86) Perylene-d12	23.933	264	332854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	608740	104.155	ng	0.00
7) Phenol-d6	7.140	99	724648	96.790	ng	0.00
23) Nitrobenzene-d5	9.145	82	465845	62.766	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	202175	72.351	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	794638	59.952	ng	0.00
79) Terphenyl-d14	19.962	244	1045301	73.590	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	59	0.022	ng	# 1
4) n-Nitrosodimethylamine	3.693	42	265	0.058	ng	# 1
9) Benzaldehyde	7.134	77	1892	0.378	ng	# 7
15) Benzyl Alcohol	8.293	79	1014	0.169	ng	# 51
24) Nitrobenzene	9.145	77	2133	0.272	ng	# 40
25) Isophorone	9.481	82	59	0.004	ng	# 70
46) 1,1'-Biphenyl	13.227	154	1450	0.113	ng	# 1
52) Acenaphthene	14.610	154	560	0.058	ng	# 3
63) Azobenzene	16.092	77	2185	0.144	ng	# 6
66) n-Nitrosodiphenylamine	16.092	169	7892	0.829	ng	# 45
71) Phenanthrene	17.351	178	55	0.003	ng	# 60
72) Anthracene	17.351	178	55	0.003	ng	# 61
74) Di-n-butylphthalate	18.304	149	405	0.021	ng	# 78
78) Pyrene	19.962	202	3489	0.197	ng	# 65
80) Butylbenzylphthalate	20.668	149	239	0.037	ng	# 22
81) Benzo(a)anthracene	21.521	228	651	0.034	ng	# 54
83) Chrysene	21.521	228	651	0.035	ng	# 53
84) Bis(2-ethylhexyl)phtha...	21.421	149	447	0.048	ng	# 54
85) Di-n-octyl phthalate	22.345	149	256	0.016	ng	# 75
88) Benzo(b)fluoranthene	23.197	252	65	0.003	ng	# 60
89) Benzo(k)fluoranthene	23.244	252	62	0.003	ng	# 1
90) Benzo(a)pyrene	23.833	252	73	0.004	ng	# 1

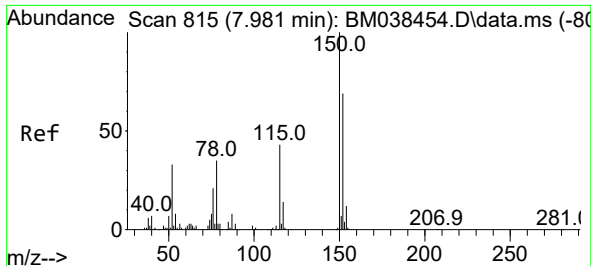
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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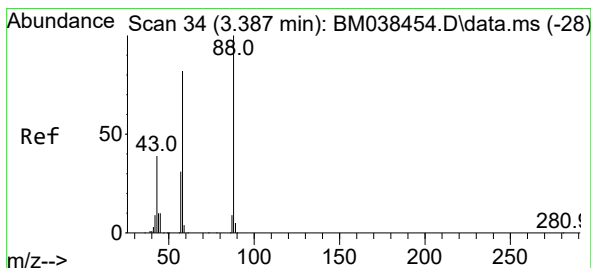
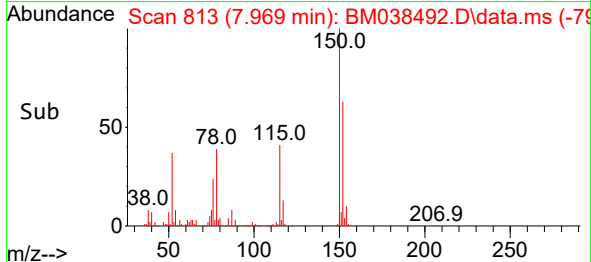
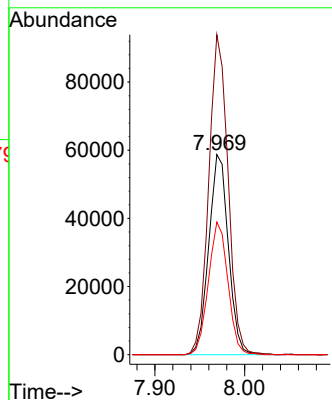
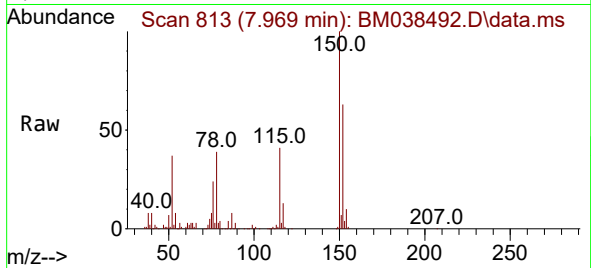




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

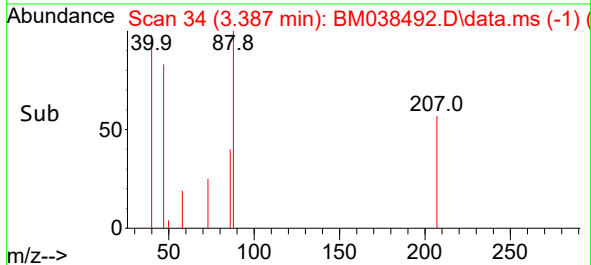
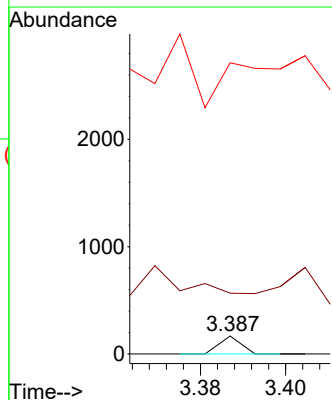
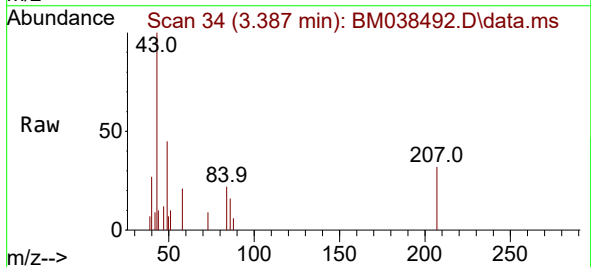
Instrument :
BNA_M
ClientSampleId :
PB150216BL

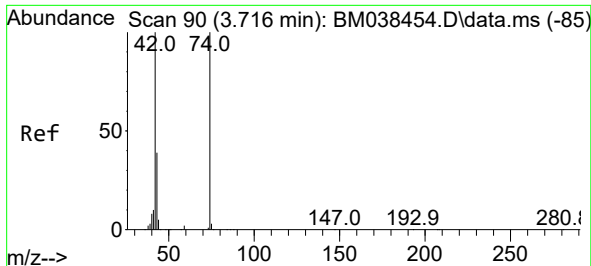
Tgt Ion:152 Resp: 89153
Ion Ratio Lower Upper
152 100
150 159.9 116.0 174.0
115 66.3 49.4 74.2



#2
1,4-Dioxane
Concen: 0.022 ng
RT: 3.387 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
58 305.1 64.3 96.5#
43 0.0 32.3 48.5#

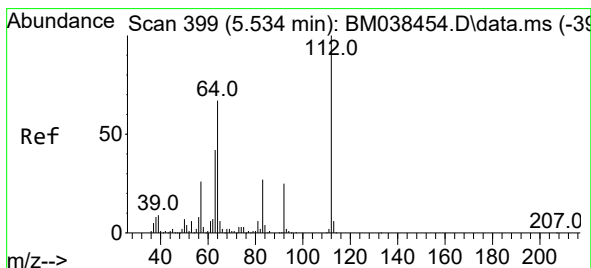
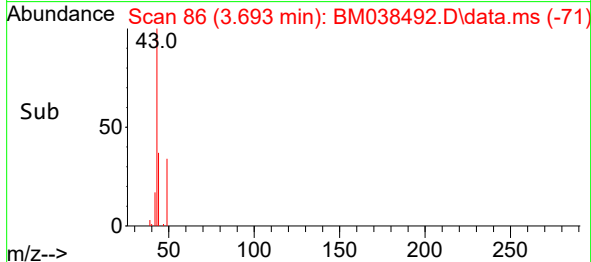
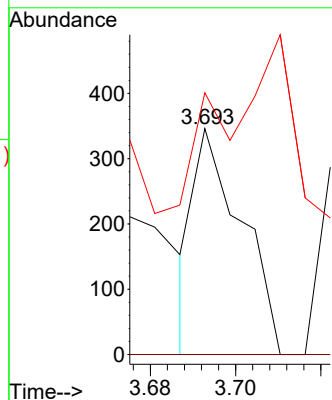
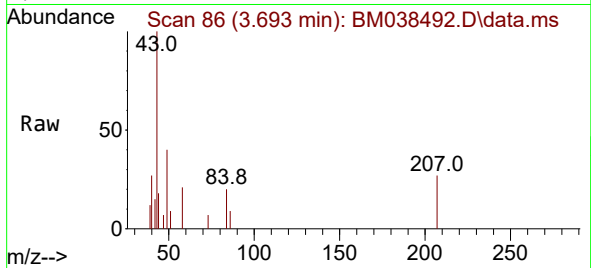




#4
n-Nitrosodimethylamine
Concen: 0.058 ng
RT: 3.693 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

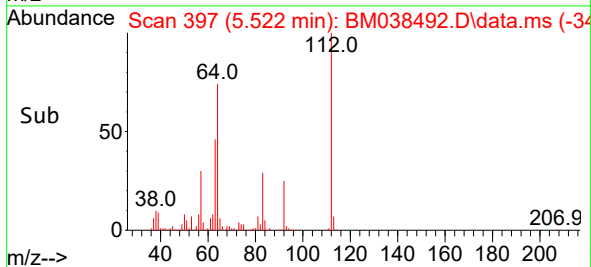
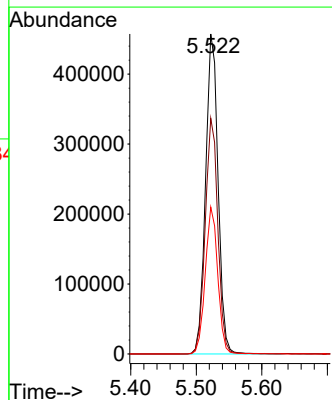
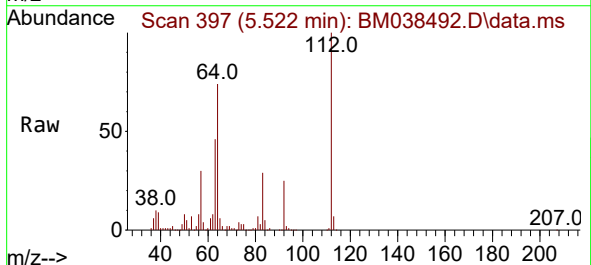
Instrument :
BNA_M
ClientSampleId :
PB150216BL

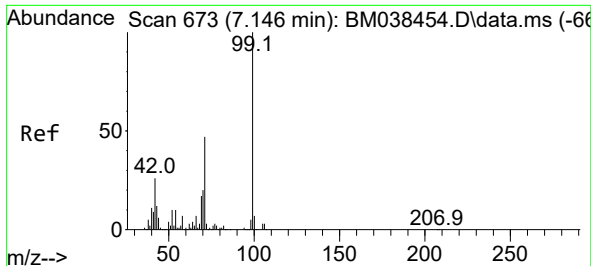
Tgt Ion: 42 Resp: 265
Ion Ratio Lower Upper
42 100
74 0.0 79.7 119.5#
44 115.9 4.7 7.1#



#5
2-Fluorophenol
Concen: 104.155 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 112 Resp: 608740
Ion Ratio Lower Upper
112 100
64 73.6 53.7 80.5
63 45.9 33.7 50.5

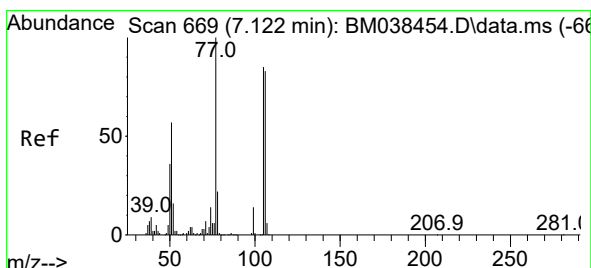
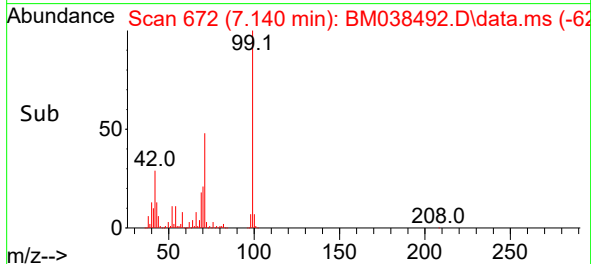
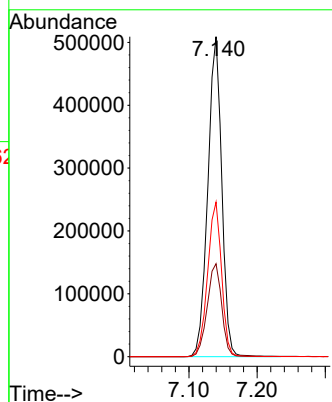
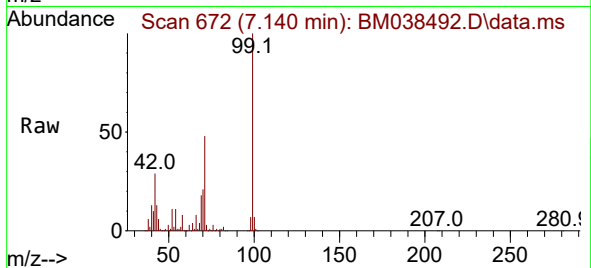




#7
Phenol-d6
Concen: 96.790 ng
RT: 7.140 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

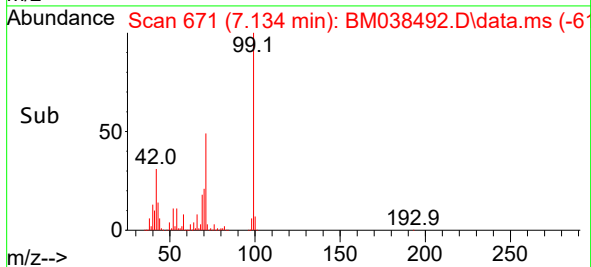
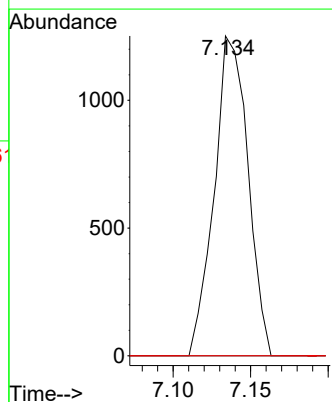
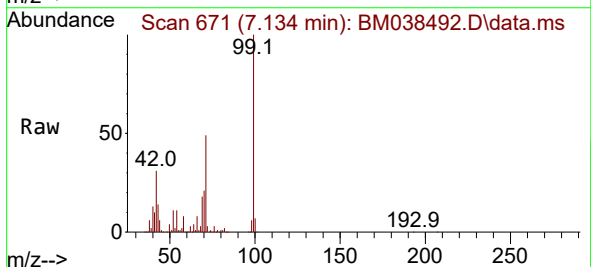
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ClientSampleId :
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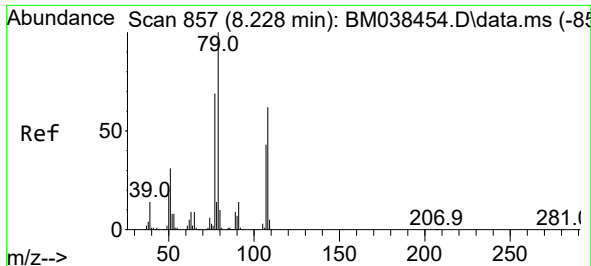
Tgt Ion: 99 Resp: 724648
Ion Ratio Lower Upper
99 100
42 29.0 20.8 31.2
71 48.3 37.8 56.8



#9
Benzaldehyde
Concen: 0.378 ng
RT: 7.134 min Scan# 671
Delta R.T. 0.018 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 77 Resp: 1892
Ion Ratio Lower Upper
77 100
105 0.0 65.3 105.3#
106 0.0 62.5 102.5#

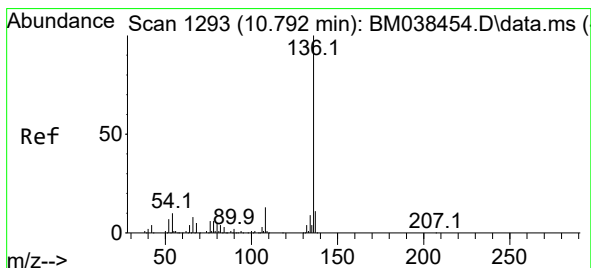
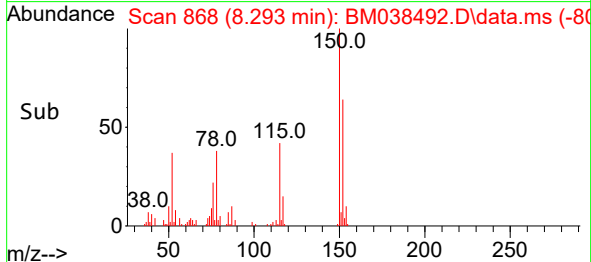
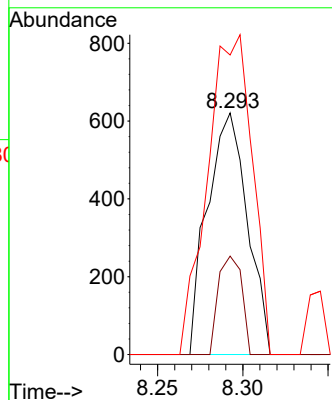
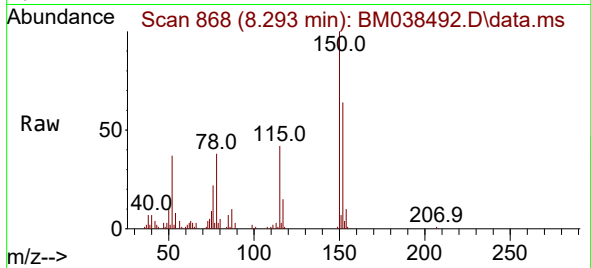




#15
Benzyl Alcohol
Concen: 0.169 ng
RT: 8.293 min Scan# 80
Delta R.T. 0.071 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

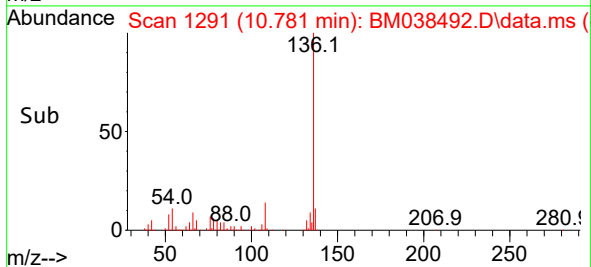
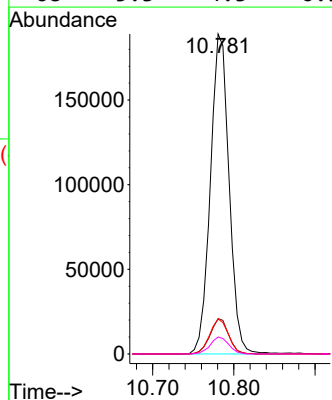
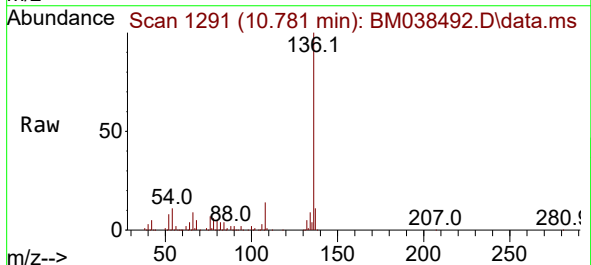
Instrument :
BNA_M
ClientSampleId :
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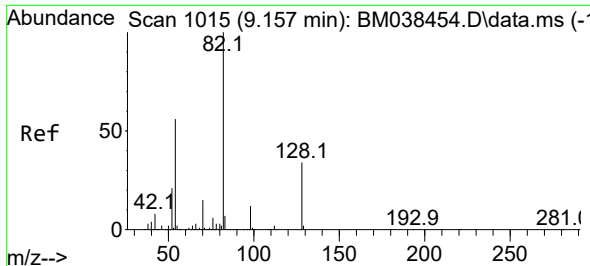
Tgt Ion: 79 Resp: 1014
Ion Ratio Lower Upper
79 100
108 40.7 49.3 73.9#
77 124.0 55.1 82.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 136 Resp: 302408
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 10.9 7.6 11.4
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 62.766 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

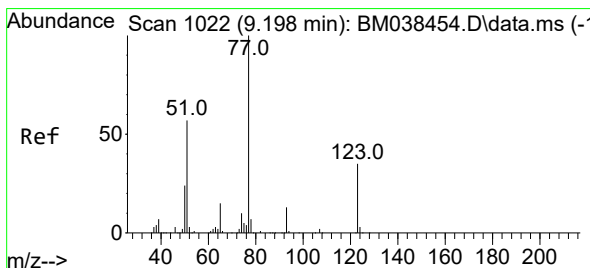
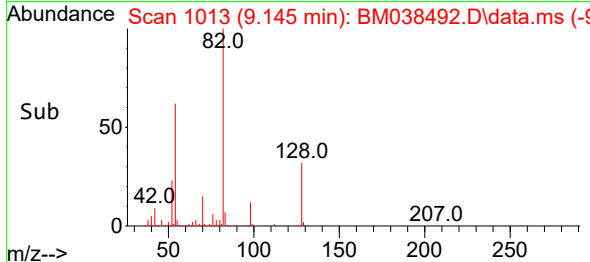
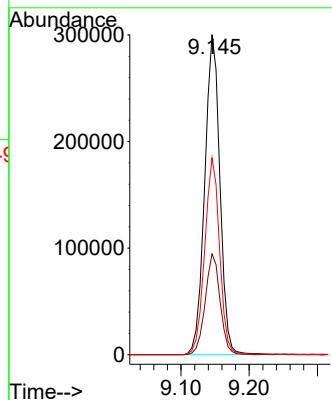
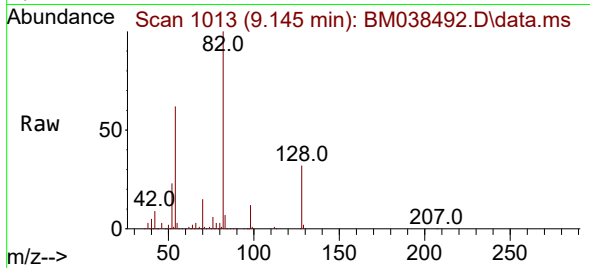
Tgt Ion: 82 Resp: 465845

Ion Ratio Lower Upper

82 100

128 31.5 27.0 40.6

54 61.5 45.0 67.6



#24

Nitrobenzene

Concen: 0.272 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.047 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

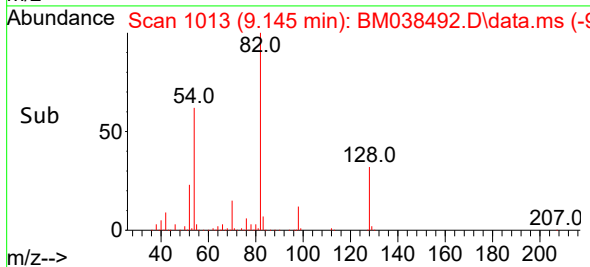
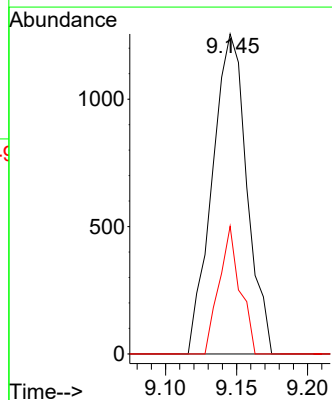
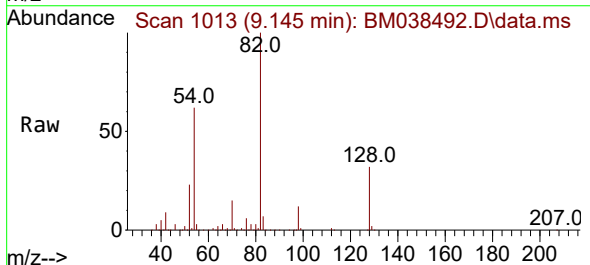
Tgt Ion: 77 Resp: 2133

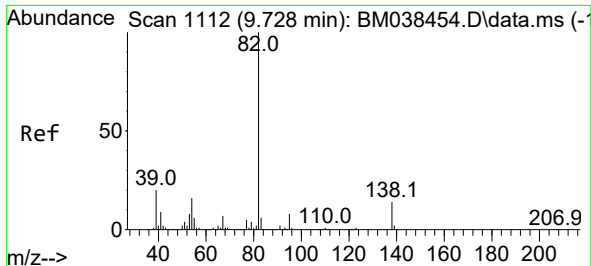
Ion Ratio Lower Upper

77 100

123 0.0 28.2 42.4#

65 39.9 12.1 18.1#

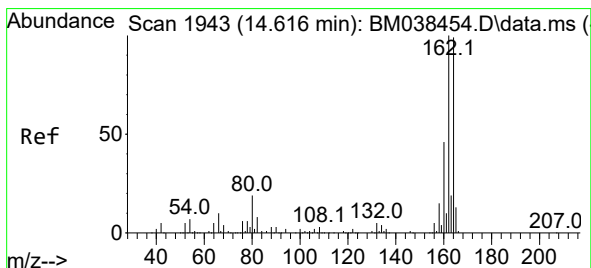
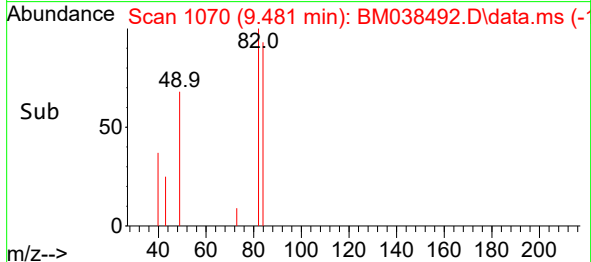
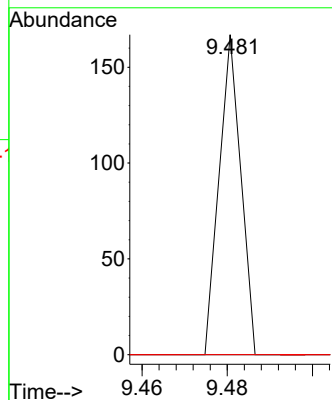
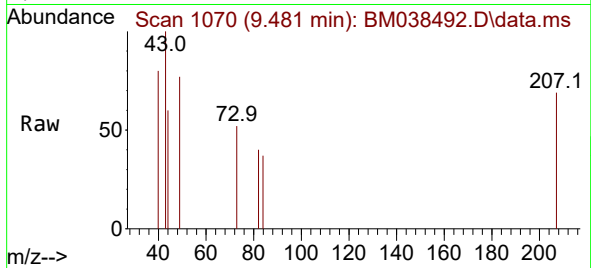




#25
Isophorone
Concen: 0.004 ng
RT: 9.481 min Scan# 1070
Delta R.T. -0.235 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

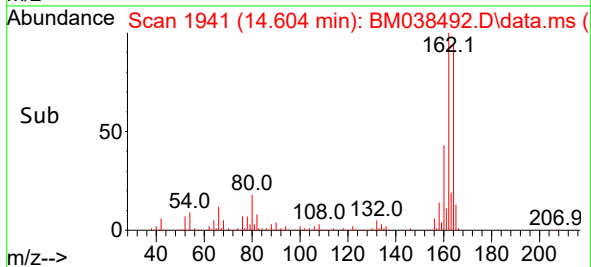
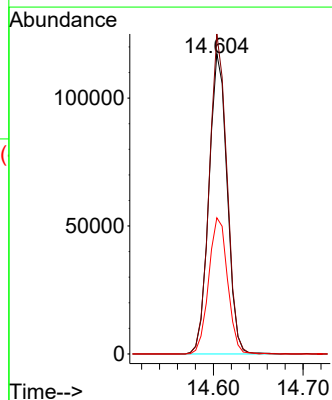
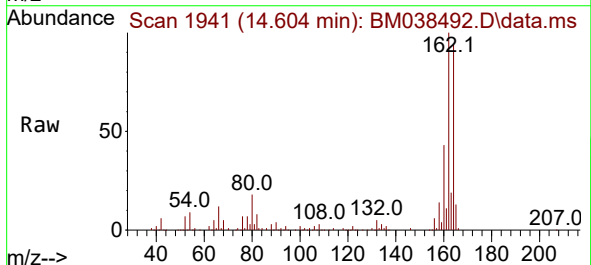
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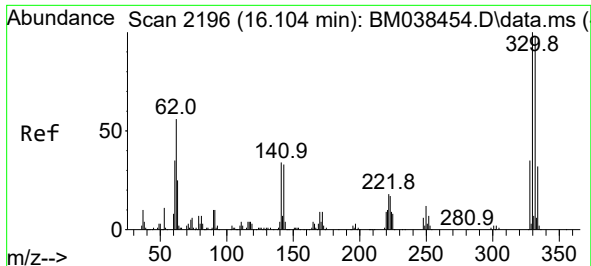
Tgt Ion: 82 Resp: 59
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 164 Resp: 165298
Ion Ratio Lower Upper
164 100
162 106.6 80.9 121.3
160 45.3 37.4 56.0

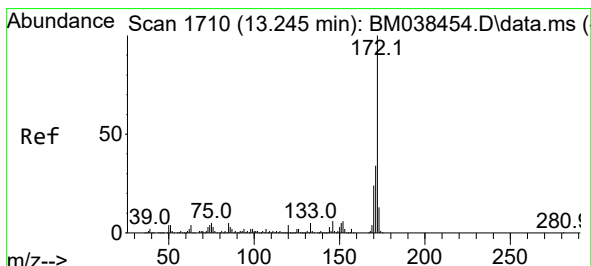
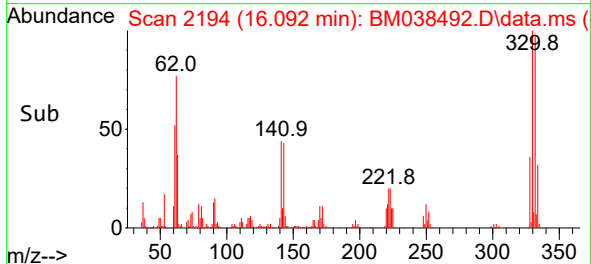
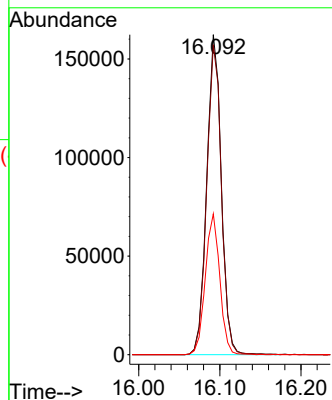
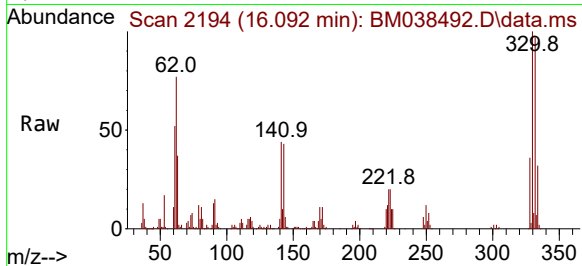




#42
2,4,6-Tribromophenol
Concen: 72.351 ng
RT: 16.092 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

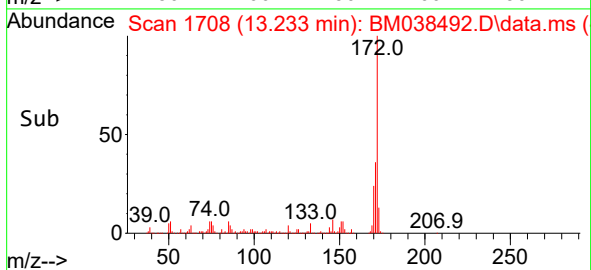
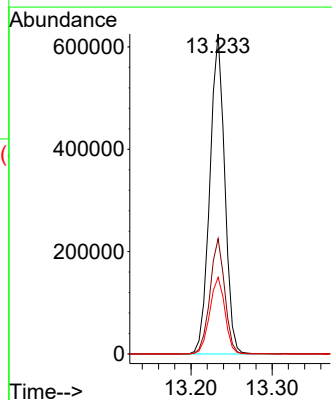
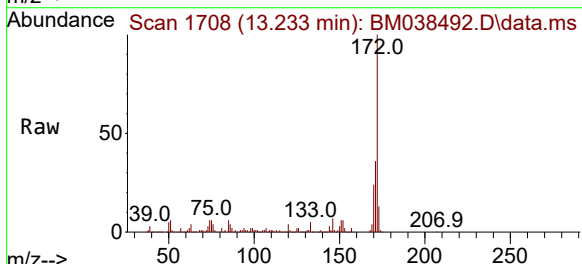
Instrument :
BNA_M
ClientSampleId :
PB150216BL

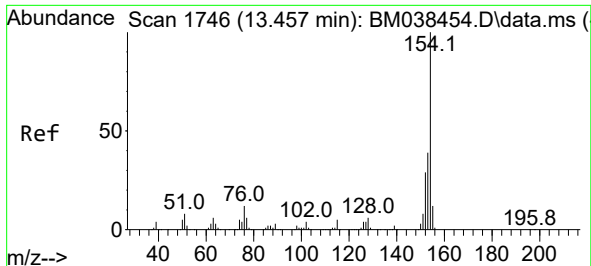
Tgt Ion:330 Resp: 202175
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 43.8 28.1 42.1#



#45
2-Fluorobiphenyl
Concen: 59.952 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion:172 Resp: 794638
Ion Ratio Lower Upper
172 100
171 36.0 27.5 41.3
170 24.0 19.0 28.6





#46

1,1'-Biphenyl

Concen: 0.113 ng

RT: 13.227 min Scan# 1

Delta R.T. -0.217 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

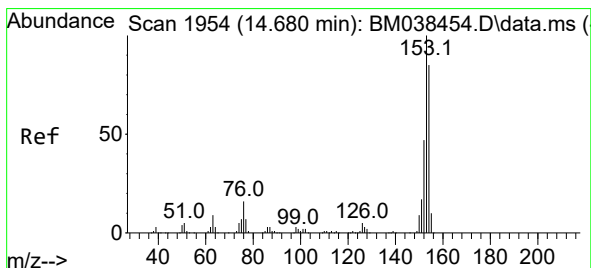
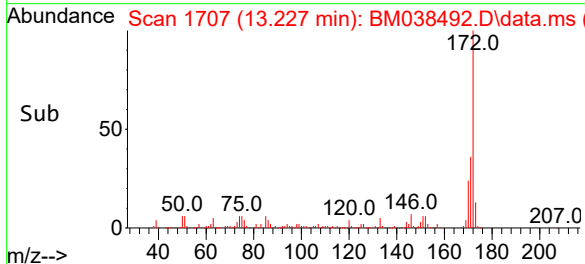
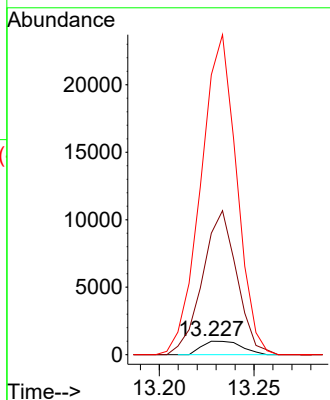
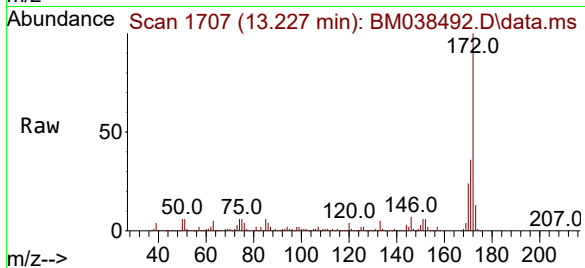
Instrument :

BNA_M

ClientSampleId :

PB150216BL

Tgt Ion:154 Resp: 1450
 Ion Ratio Lower Upper
 154 100
 153 906.6 19.3 59.3#
 76 2088.2 0.0 32.2#



#52

Acenaphthene

Concen: 0.058 ng

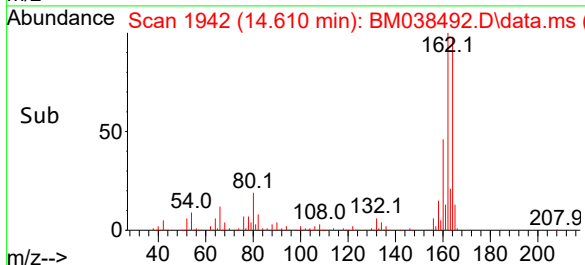
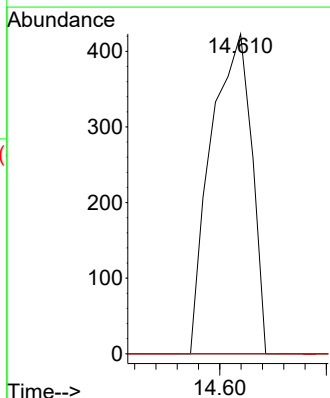
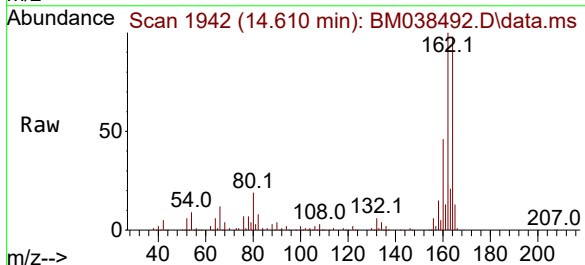
RT: 14.610 min Scan# 1942

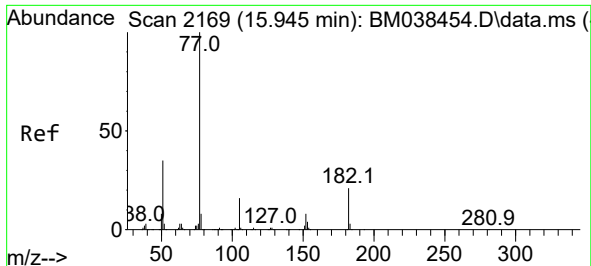
Delta R.T. -0.065 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Tgt Ion:154 Resp: 560
 Ion Ratio Lower Upper
 154 100
 153 0.0 93.8 140.6#
 152 0.0 44.2 66.4#

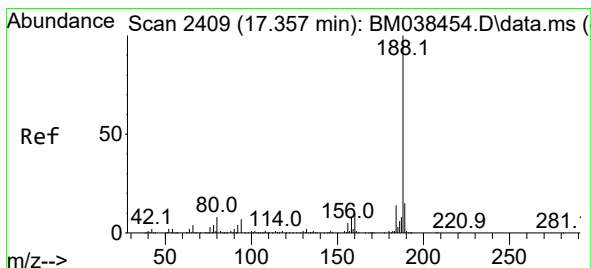
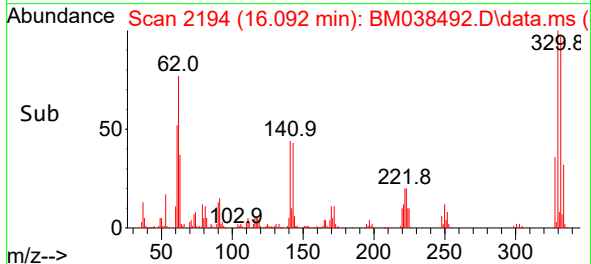
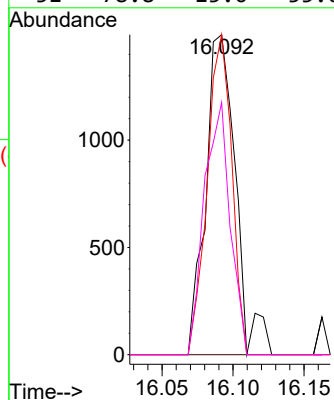
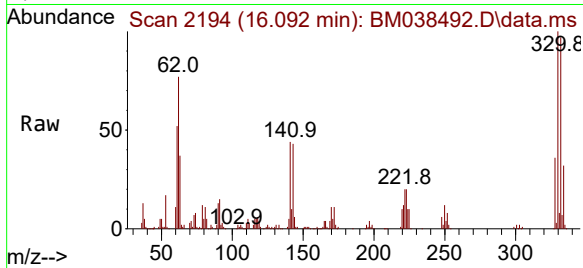




#63
Azobenzene
Concen: 0.144 ng
RT: 16.092 min Scan# 2169
Delta R.T. 0.153 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

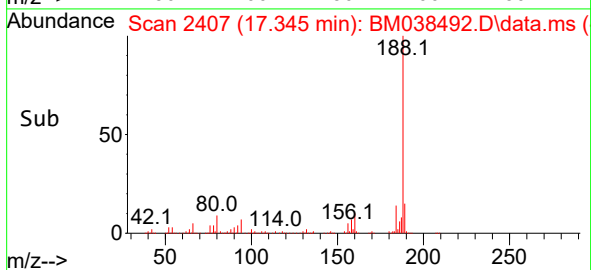
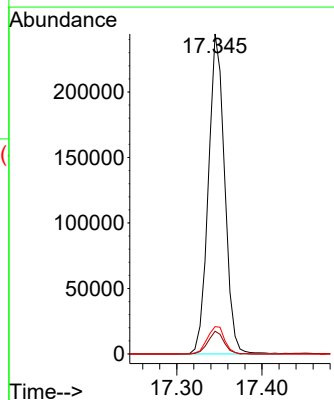
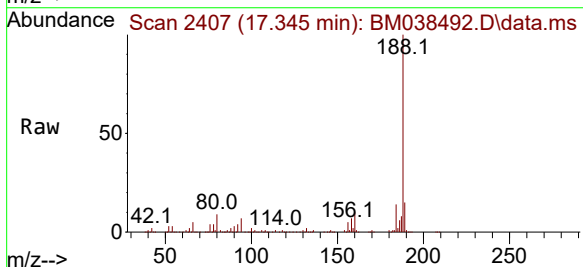
Instrument :
BNA_M
ClientSampleId :
PB150216BL

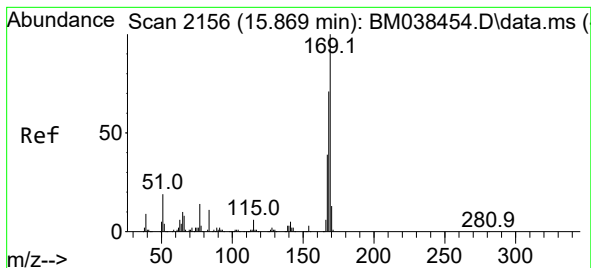
Tgt Ion: 77	Resp: 2185
Ion Ratio	Lower Upper
77 100	
182 0.0	1.1 41.1#
105 100.0	0.0 36.4#
51 78.8	15.0 55.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM038492.D
Acq: 19 Jan 2023 17:51

Tgt Ion: 188	Resp: 324364
Ion Ratio	Lower Upper
188 100	
94 7.1	5.4 8.0
80 8.6	6.5 9.7





#66

n-Nitrosodiphenylamine

Concen: 0.829 ng

RT: 16.092 min Scan# 21

Delta R.T. 0.230 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

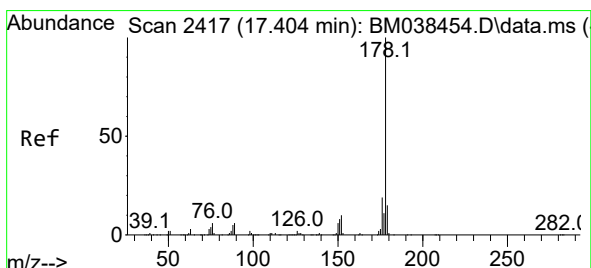
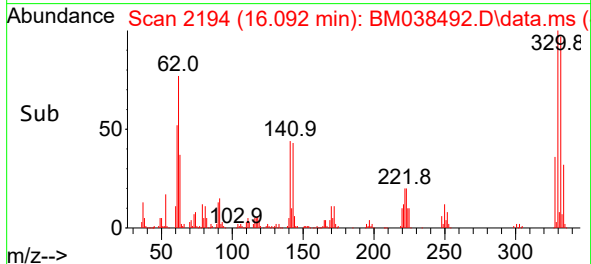
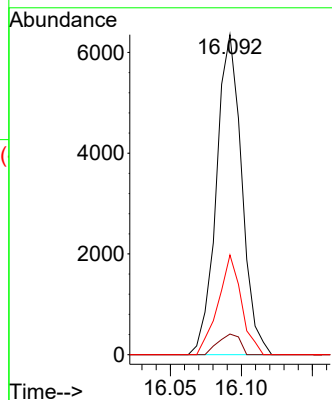
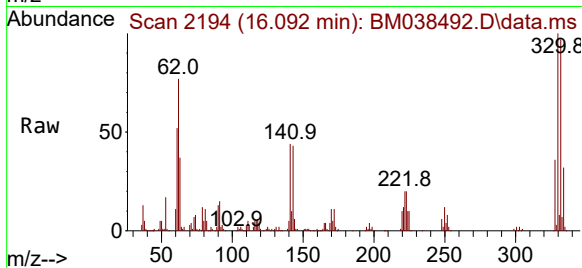
Tgt Ion:169 Resp: 7892

Ion Ratio Lower Upper

169 100

168 6.4 56.6 85.0#

167 31.1 31.1 46.7



#71

Phenanthrene

Concen: 0.003 ng

RT: 17.351 min Scan# 2408

Delta R.T. -0.041 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

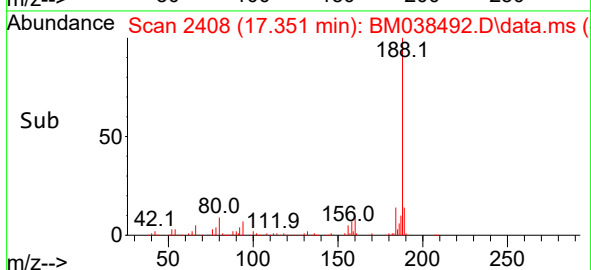
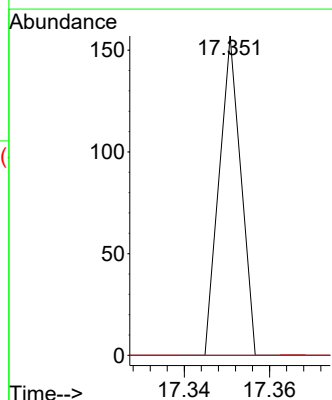
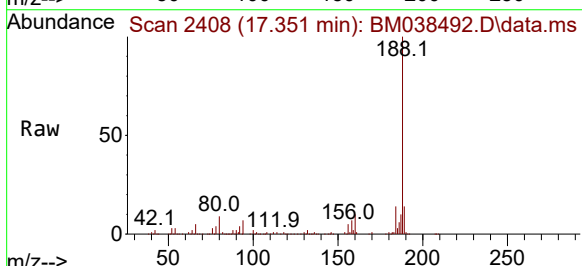
Tgt Ion:178 Resp: 55

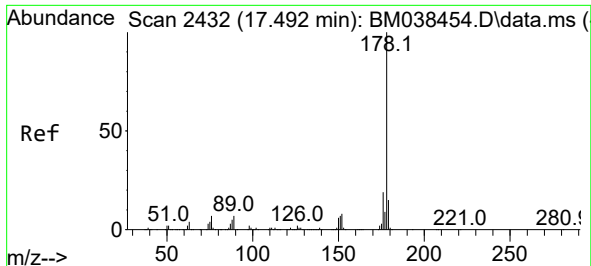
Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

179 0.0 12.1 18.1#

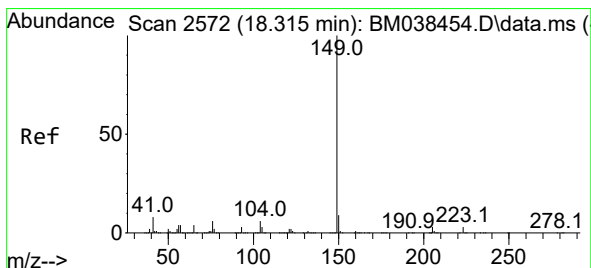
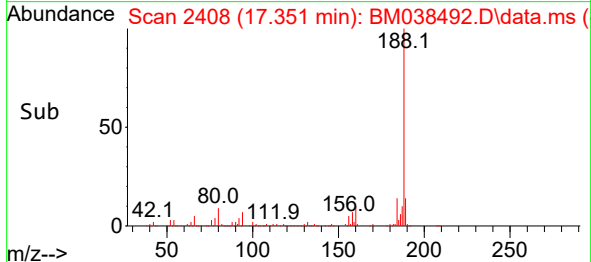
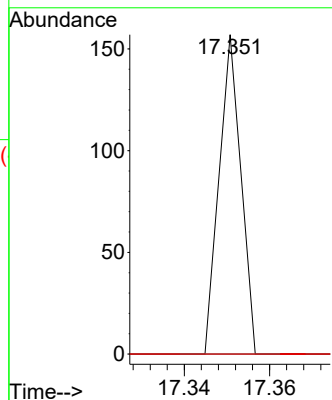
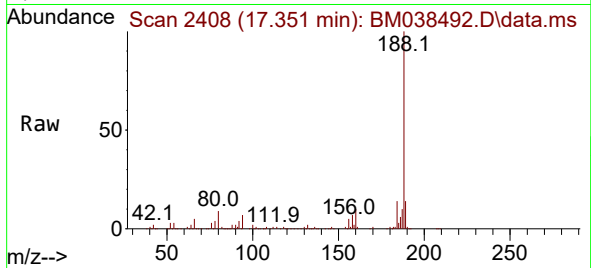




#72
 Anthracene
 Concen: 0.003 ng
 RT: 17.351 min Scan# 24
 Delta R.T. -0.135 min
 Lab File: BM038492.D
 Acq: 19 Jan 2023 17:51

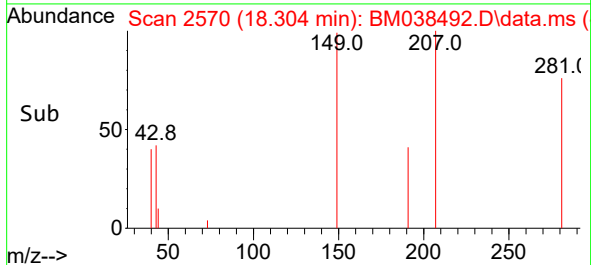
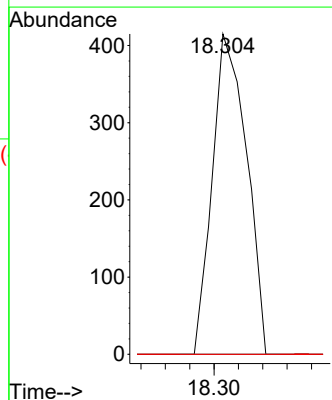
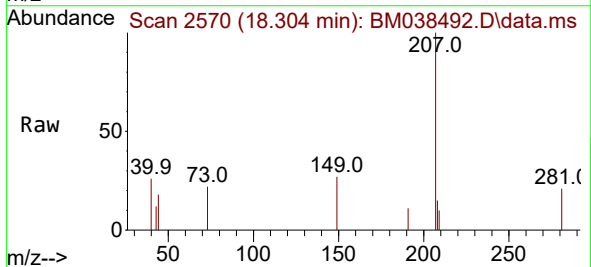
Instrument :
 BNA_M
 ClientSampleId :
 PB150216BL

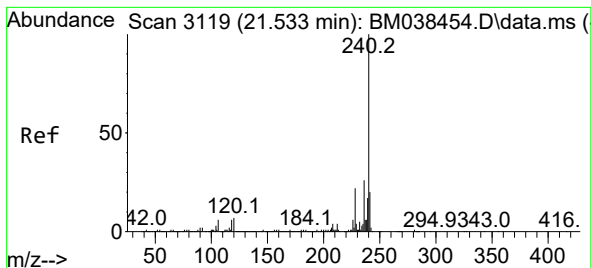
Tgt Ion:178 Resp: 55
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.6#
 179 0.0 12.2 18.2#



#74
 Di-n-butylphthalate
 Concen: 0.021 ng
 RT: 18.304 min Scan# 2570
 Delta R.T. -0.006 min
 Lab File: BM038492.D
 Acq: 19 Jan 2023 17:51

Tgt Ion:149 Resp: 405
 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: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

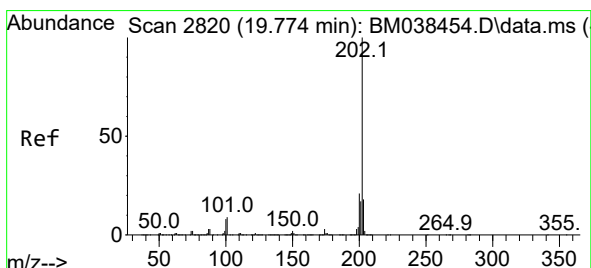
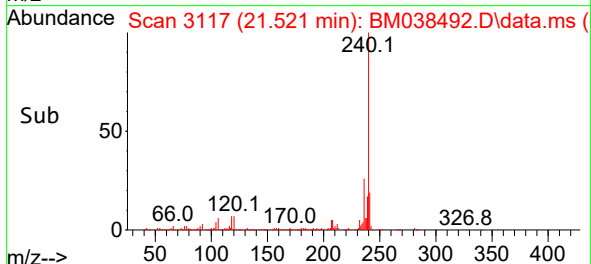
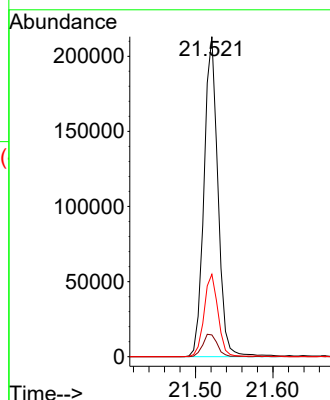
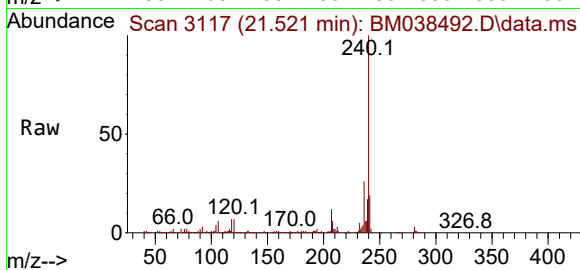
Tgt Ion:240 Resp: 265909

Ion Ratio Lower Upper

240 100

120 6.8 5.6 8.4

236 25.7 21.0 31.4



#78

Pyrene

Concen: 0.197 ng

RT: 19.962 min Scan# 2852

Delta R.T. 0.194 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

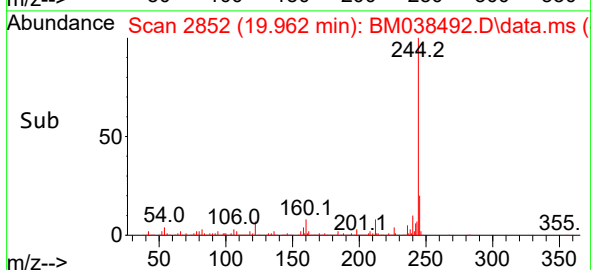
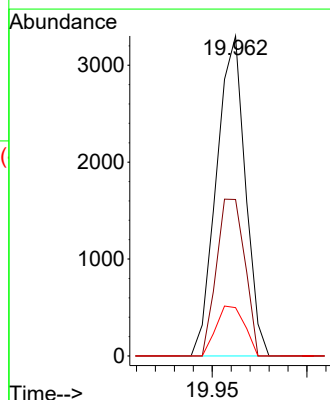
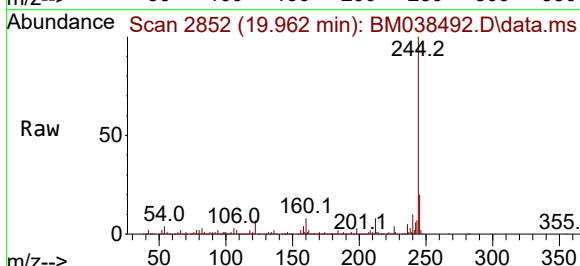
Tgt Ion:202 Resp: 3489

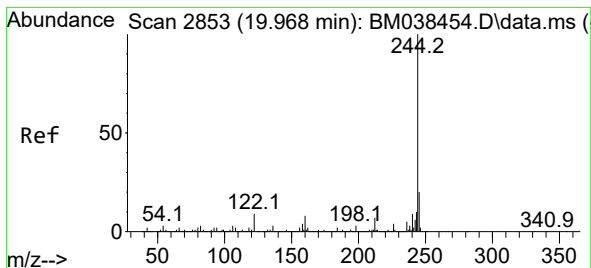
Ion Ratio Lower Upper

202 100

200 48.9 16.9 25.3#

203 15.1 14.2 21.2





#79

Terphenyl-d14

Concen: 73.590 ng

RT: 19.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

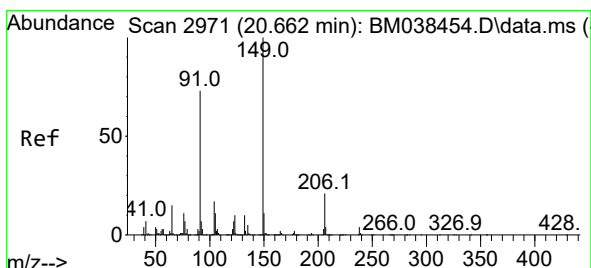
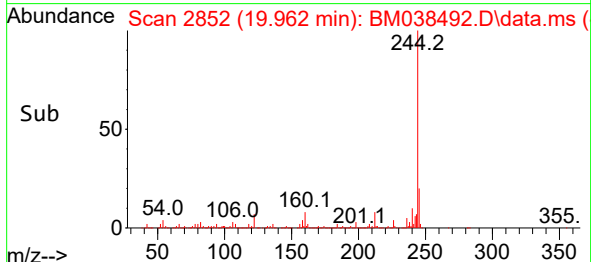
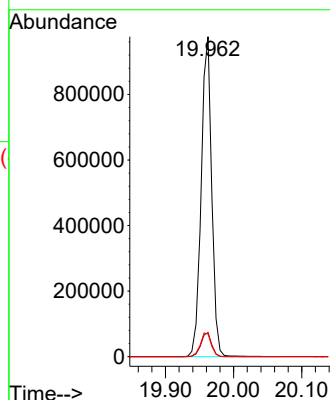
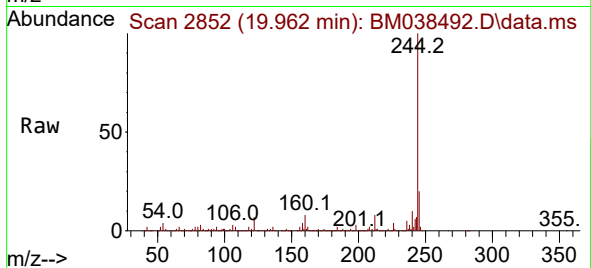
Tgt Ion:244 Resp: 1045301

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 7.1 7.1 10.7#



#80

Butylbenzylphthalate

Concen: 0.037 ng

RT: 20.668 min Scan# 2972

Delta R.T. 0.012 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

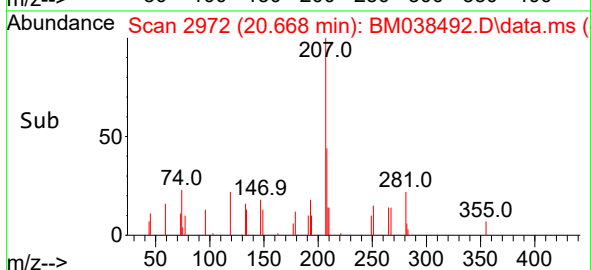
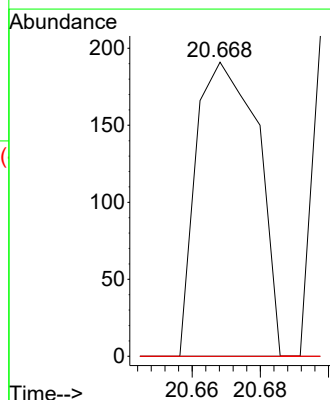
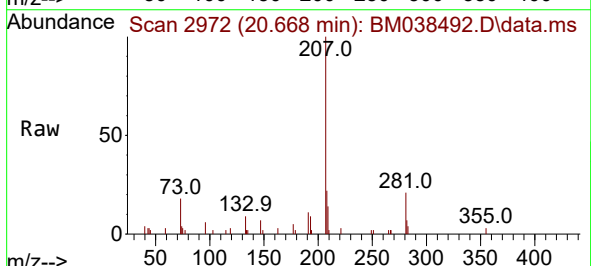
Tgt Ion:149 Resp: 239

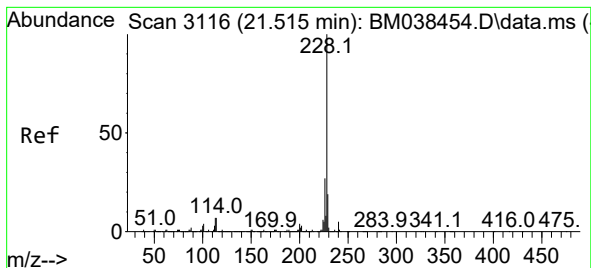
Ion Ratio Lower Upper

149 100

91 0.0 58.3 87.5#

206 0.0 16.7 25.1#





#81

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.521 min Scan# 3117

Delta R.T. 0.012 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

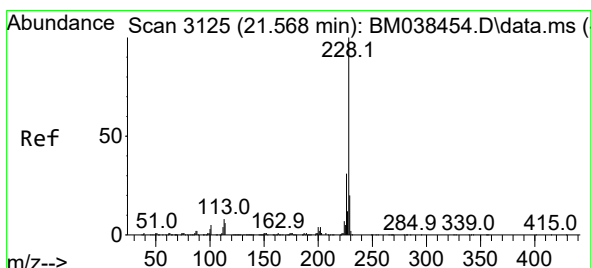
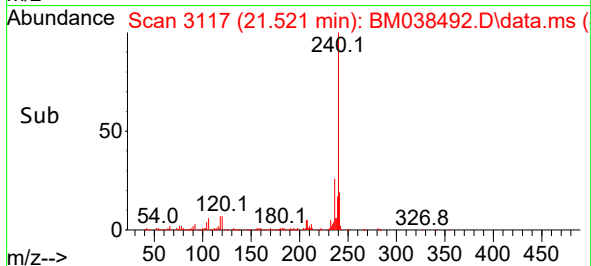
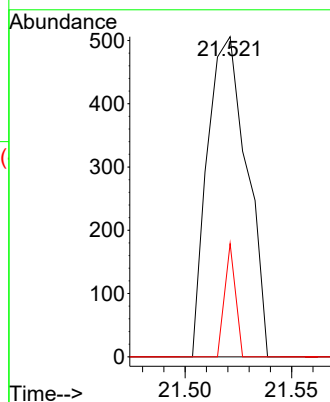
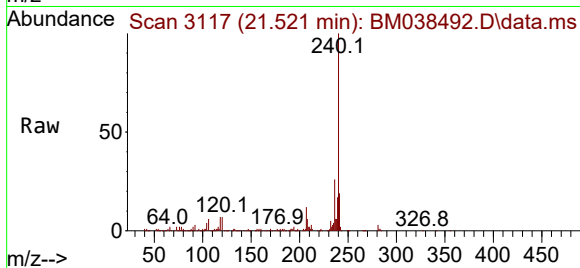
Tgt Ion:228 Resp: 651

Ion Ratio Lower Upper

228 100

226 0.0 22.0 33.0#

229 35.4 15.4 23.0#



#83

Chrysene

Concen: 0.035 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.041 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

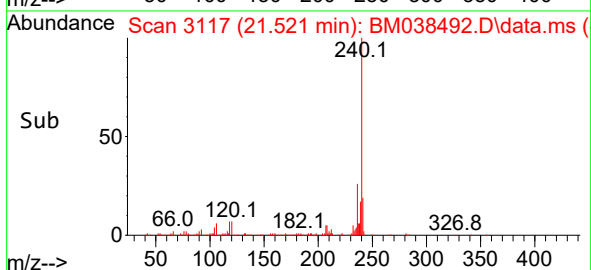
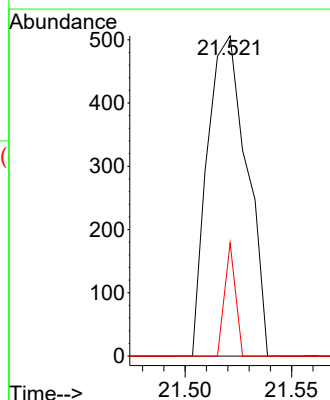
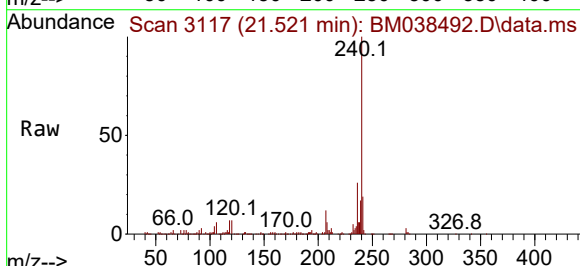
Tgt Ion:228 Resp: 651

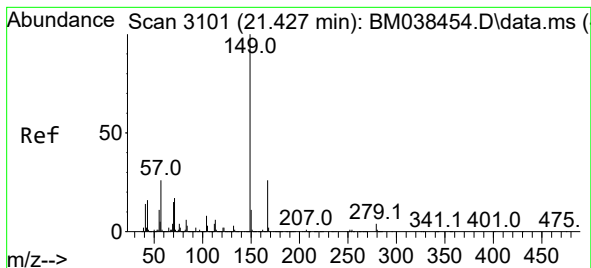
Ion Ratio Lower Upper

228 100

226 0.0 24.6 36.8#

229 35.4 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.048 ng

RT: 21.421 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

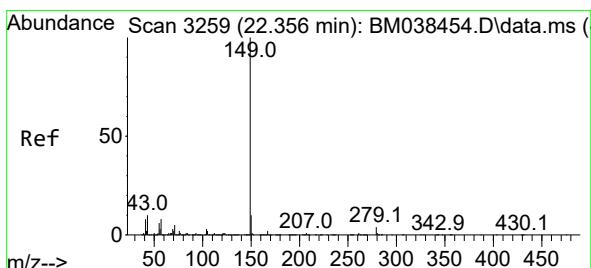
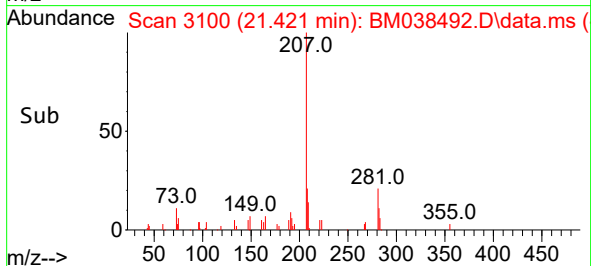
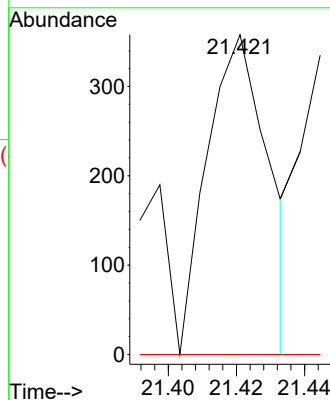
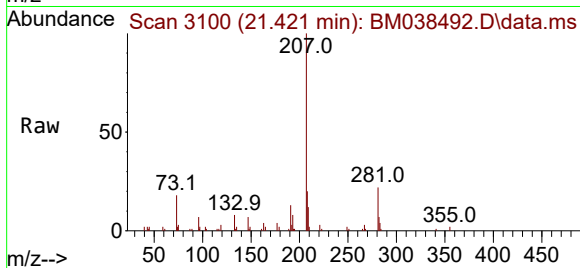
Tgt Ion:149 Resp: 447

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: 0.016 ng

RT: 22.345 min Scan# 3257

Delta R.T. -0.006 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

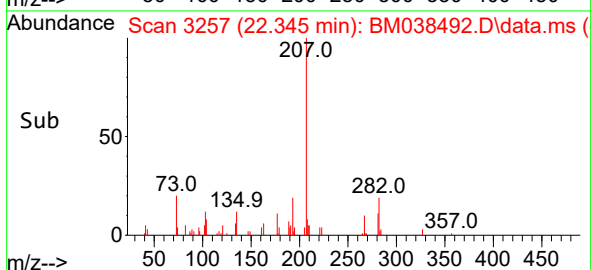
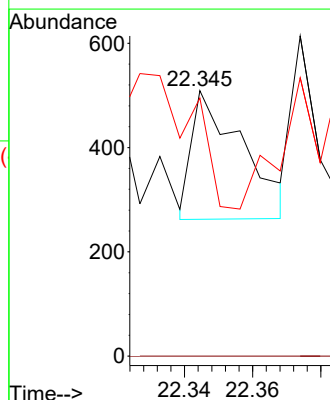
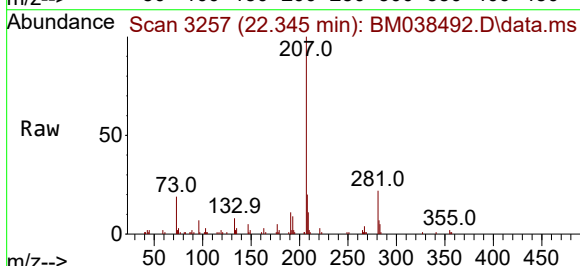
Tgt Ion:149 Resp: 256

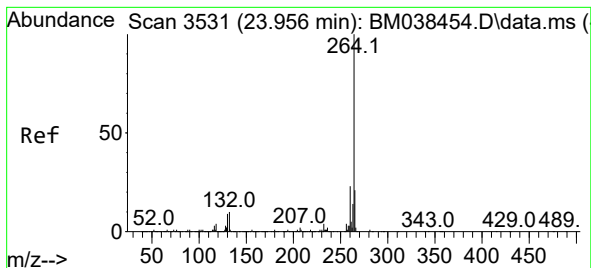
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 8.4 12.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

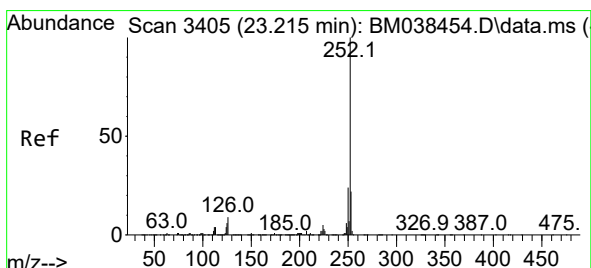
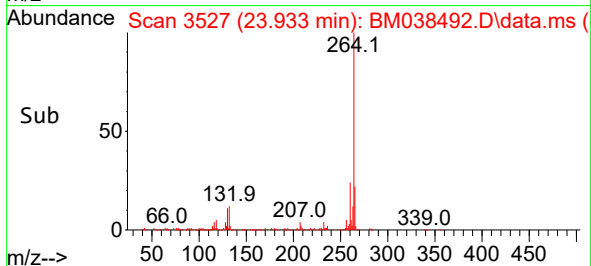
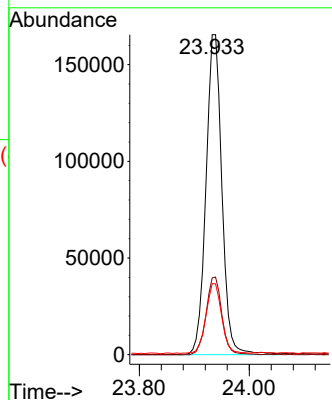
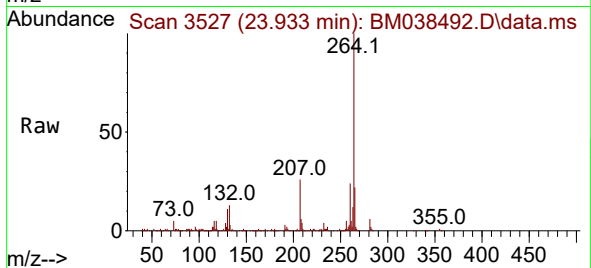
Tgt Ion:264 Resp: 332854

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 22.2 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 0.003 ng

RT: 23.197 min Scan# 3402

Delta R.T. -0.006 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

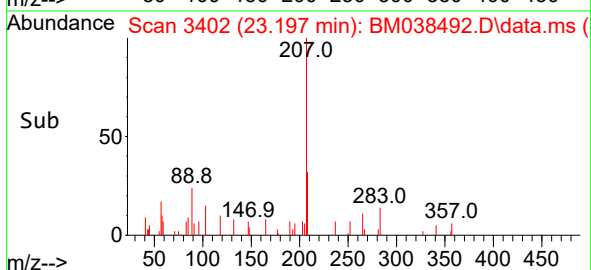
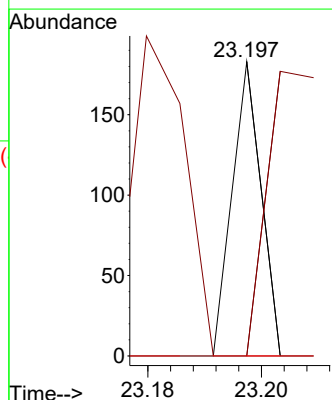
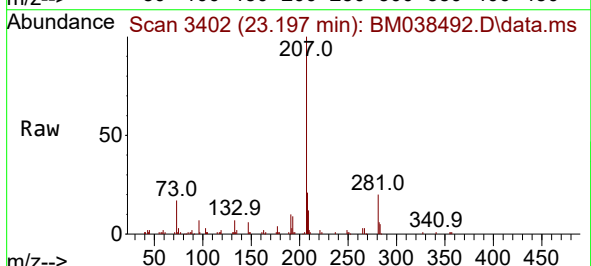
Tgt Ion:252 Resp: 65

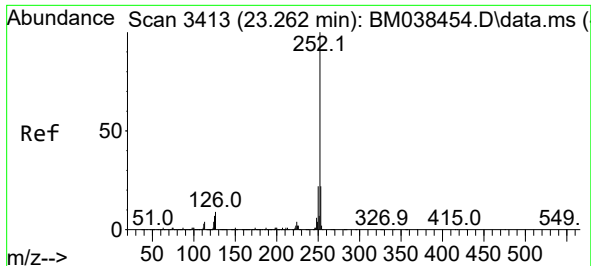
Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.6#

125 0.0 5.1 7.7#





#89

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 23.244 min Scan# 3410

Delta R.T. -0.012 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Instrument :

BNA_M

ClientSampleId :

PB150216BL

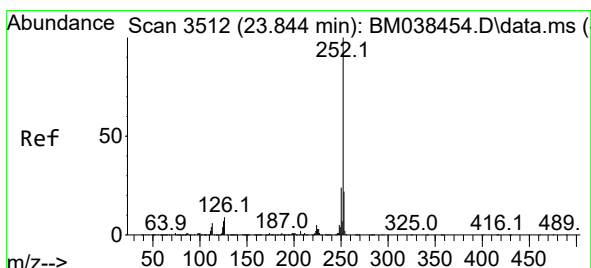
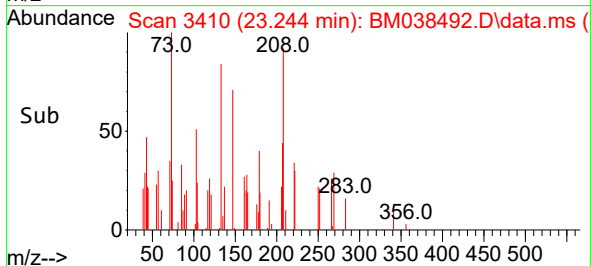
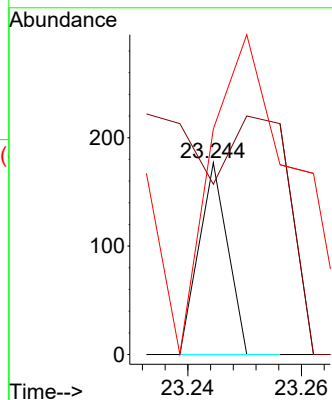
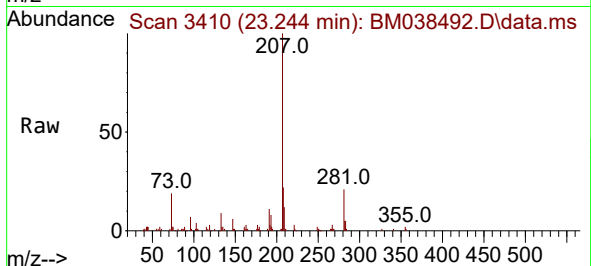
Tgt Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

253 88.7 17.6 26.4#

125 117.5 5.5 8.3#



#90

Benzo(a)pyrene

Concen: 0.004 ng

RT: 23.833 min Scan# 3510

Delta R.T. -0.006 min

Lab File: BM038492.D

Acq: 19 Jan 2023 17:51

Tgt Ion:252 Resp: 73

Ion Ratio Lower Upper

252 100

253 92.8 17.6 26.4#

125 92.8 5.8 8.8#

