

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
 Data File : BM038507.D
 Acq On : 23 Jan 2023 12:30
 Operator : CG/JU
 Sample : PB150201BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150201BL

Quant Time: Jan 24 05:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 21 01:21:49 2023
 Response via : Initial Calibration

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

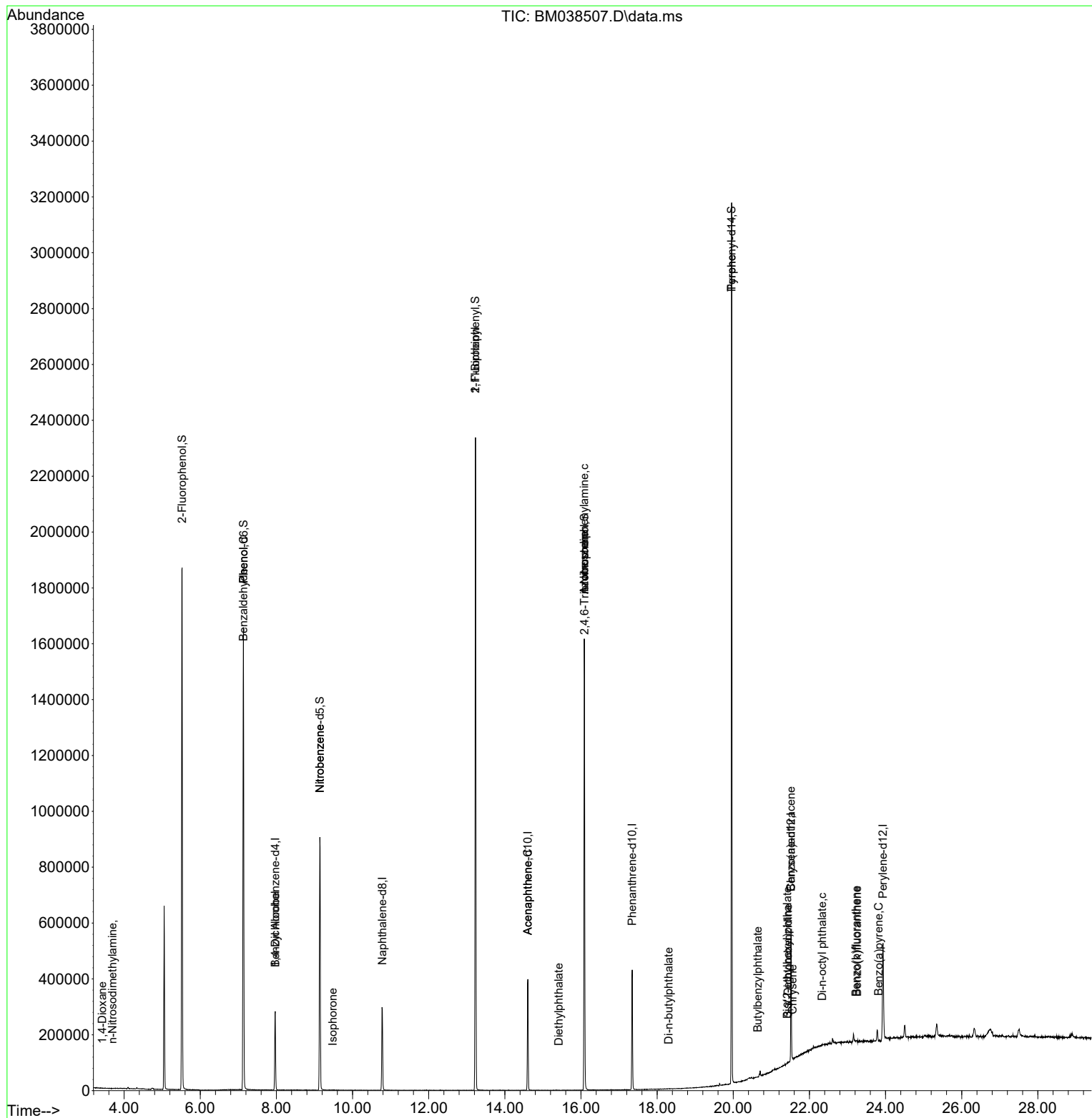
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	72135	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	231405	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	129348	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	259324	20.000	ng	# 0.00
76) Chrysene-d12	21.515	240	219710	20.000	ng	0.00
86) Perylene-d12	23.933	264	267605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	745695	170.892	ng	0.00
7) Phenol-d6	7.134	99	843613	151.528	ng	0.00
23) Nitrobenzene-d5	9.139	82	516317	96.891	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	279643	150.132	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	1106192	105.346	ng	0.00
79) Terphenyl-d14	19.956	244	1348851	119.685	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.422	88	62	0.030	ng	# 1
4) n-Nitrosodimethylamine	3.693	42	205	0.080	ng	# 1
9) Benzaldehyde	7.128	77	1848	0.560	ng	# 5
10) Phenol	7.134	94	60	0.011	ng	# 1
15) Benzyl Alcohol	7.969	79	2361	0.567	ng	# 41
24) Nitrobenzene	9.139	77	2068	0.384	ng	# 41
25) Isophorone	9.480	82	113	0.013	ng	# 67
46) 1,1'-Biphenyl	13.227	154	2045	0.197	ng	# 1
52) Acenaphthene	14.604	154	322	0.042	ng	# 4
60) Diethylphthalate	15.415	149	60	0.006	ng	# 58
63) Azobenzene	16.086	77	2073	0.201	ng	# 9
66) n-Nitrosodiphenylamine	16.086	169	8702	1.118	ng	# 45
74) Di-n-butylphthalate	18.303	149	638	0.045	ng	# 78
78) Pyrene	19.956	202	4486	0.293	ng	# 68
80) Butylbenzylphthalate	20.644	149	545	0.103	ng	# 23
81) Benzo(a)anthracene	21.515	228	530	0.034	ng	# 53
82) 3,3'-Dichlorobenzidine	21.439	252	69	0.014	ng	# 25
83) Chrysene	21.556	228	69	0.005	ng	# 49
84) Bis(2-ethylhexyl)phtha...	21.421	149	588	0.077	ng	# 53
85) Di-n-octyl phthalate	22.333	149	238	0.017	ng	# 36
88) Benzo(b)fluoranthene	23.221	252	96	0.006	ng	# 1
89) Benzo(k)fluoranthene	23.256	252	147	0.009	ng	# 1
90) Benzo(a)pyrene	23.815	252	554	0.035	ng	# 1

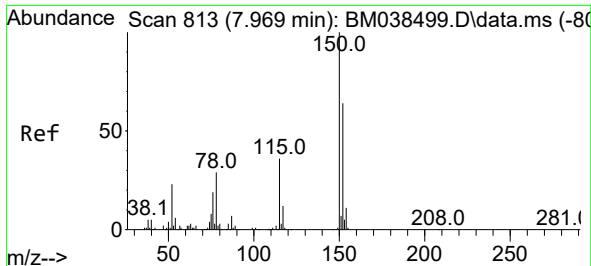
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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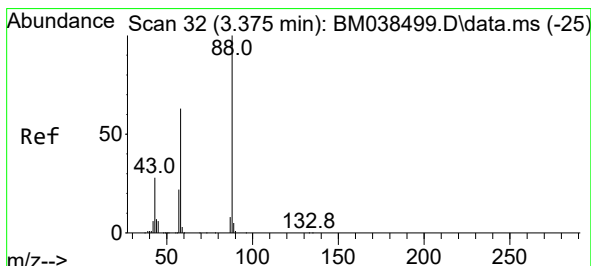
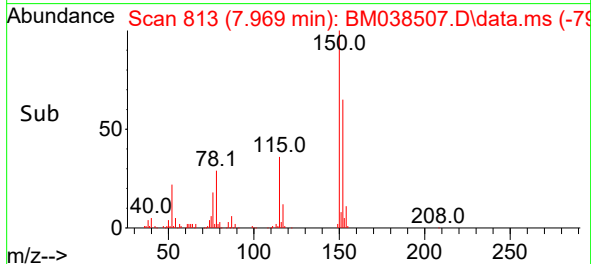
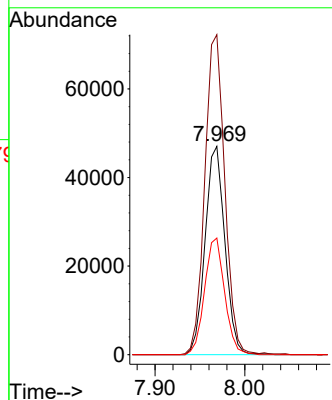
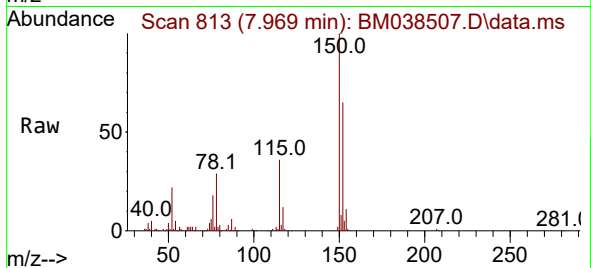




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

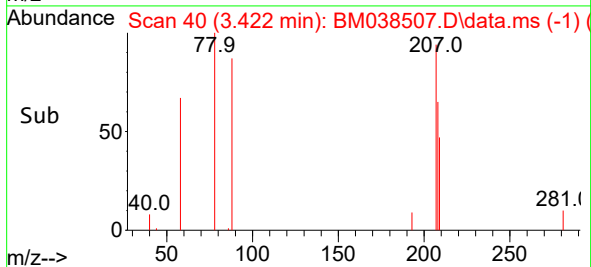
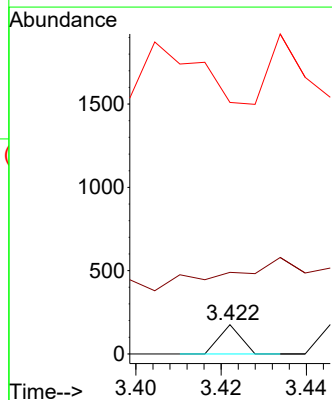
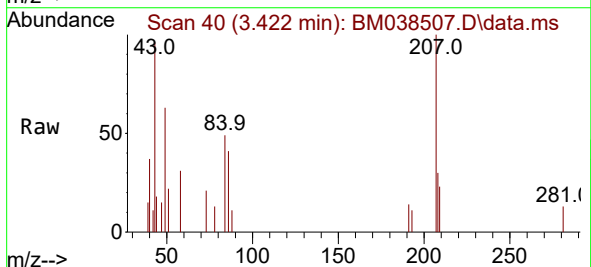
Instrument :
BNA_M
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PB150201BL

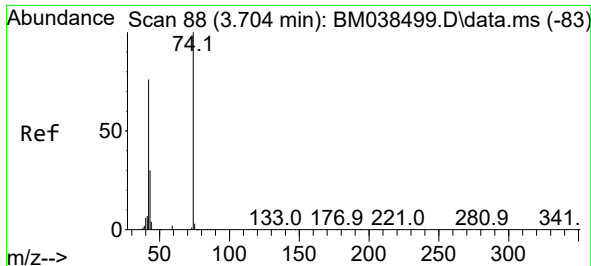
Tgt Ion:152 Resp: 72135
Ion Ratio Lower Upper
152 100
150 153.6 124.2 186.4
115 56.0 44.8 67.2



#2
1,4-Dioxane
Concen: 0.030 ng
RT: 3.422 min Scan# 40
Delta R.T. 0.047 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
58 0.0 50.5 75.7#
43 525.8 23.9 35.9#

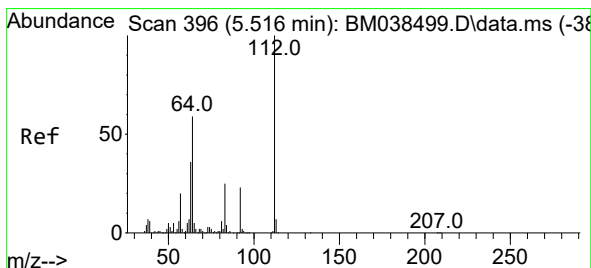
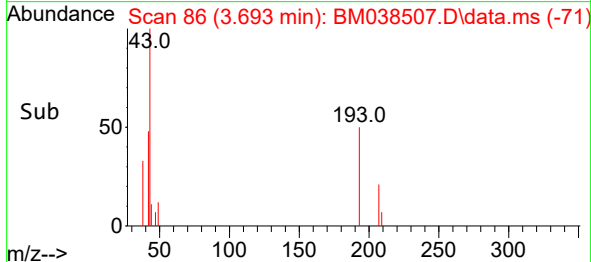
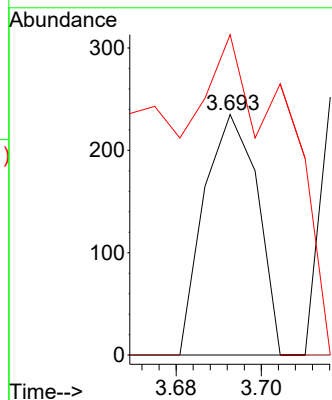
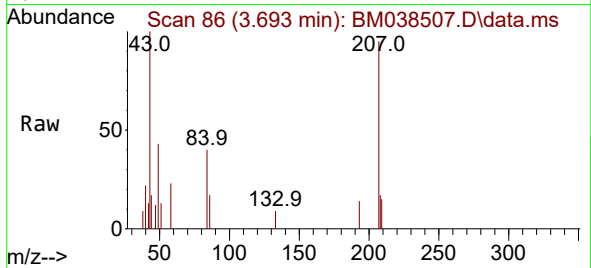




#4
n-Nitrosodimethylamine
Concen: 0.080 ng
RT: 3.693 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

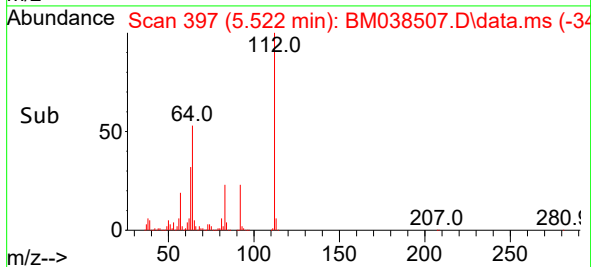
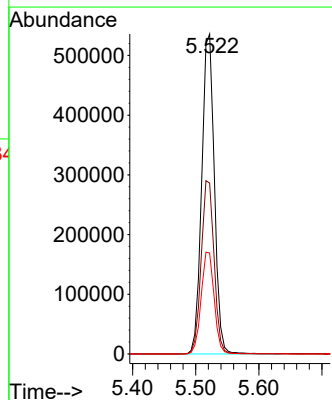
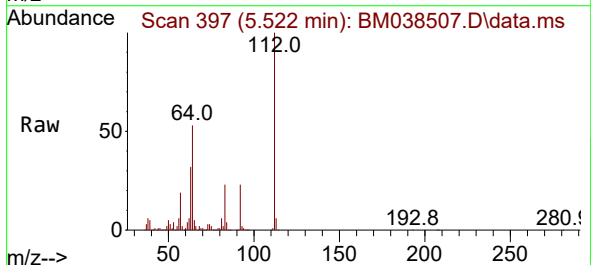
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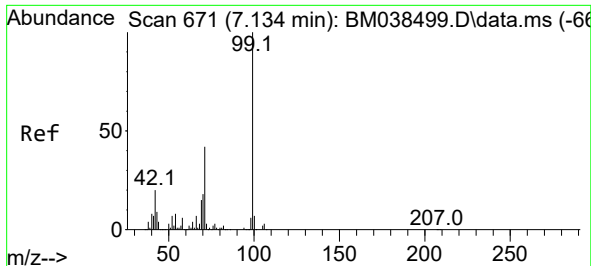
Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
74 0.0 105.0 157.4#
44 133.2 4.1 6.1#



#5
2-Fluorophenol
Concen: 170.892 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.006 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 112 Resp: 745695
Ion Ratio Lower Upper
112 100
64 53.4 47.3 70.9
63 31.5 28.8 43.2

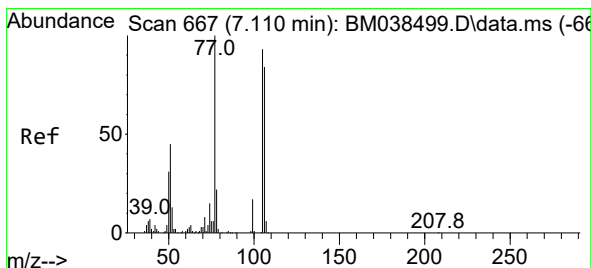
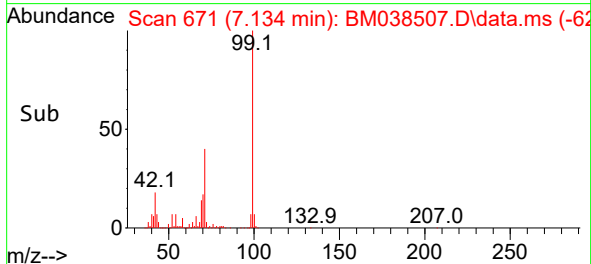
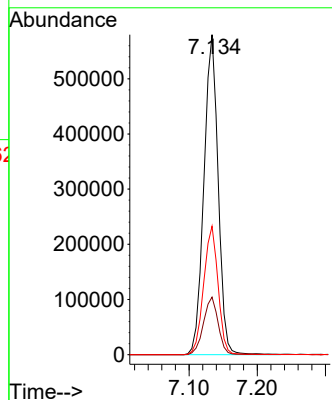
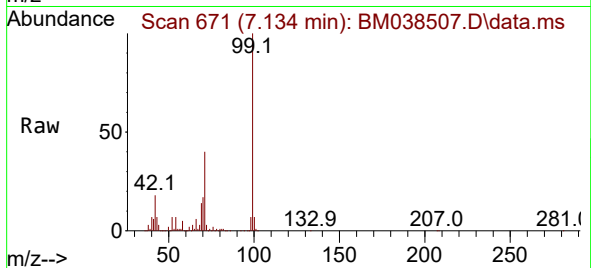




#7
Phenol-d6
Concen: 151.528 ng
RT: 7.134 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

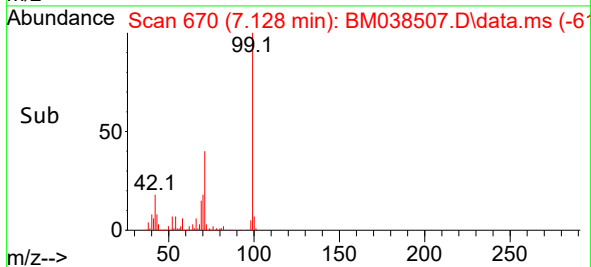
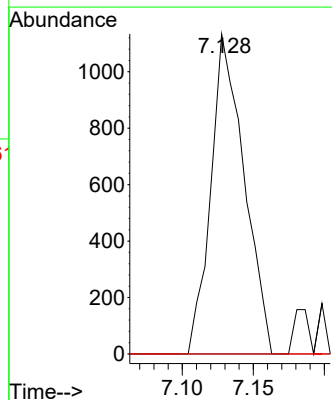
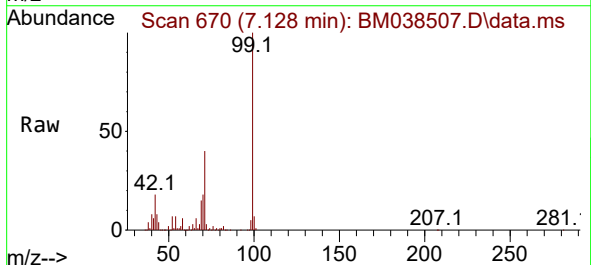
Instrument :
BNA_M
ClientSampleId :
PB150201BL

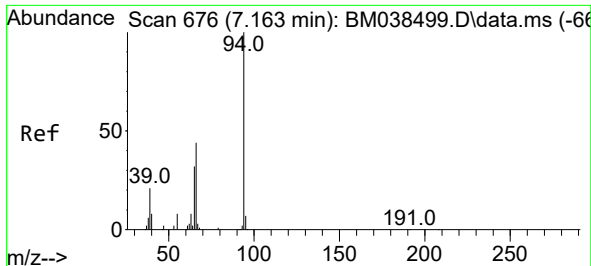
Tgt Ion: 99 Resp: 843613
Ion Ratio Lower Upper
99 100
42 18.0 16.0 24.0
71 40.1 33.8 50.6



#9
Benzaldehyde
Concen: 0.560 ng
RT: 7.128 min Scan# 670
Delta R.T. 0.018 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 77 Resp: 1848
Ion Ratio Lower Upper
77 100
105 0.0 72.9 112.9#
106 0.0 63.8 103.8#

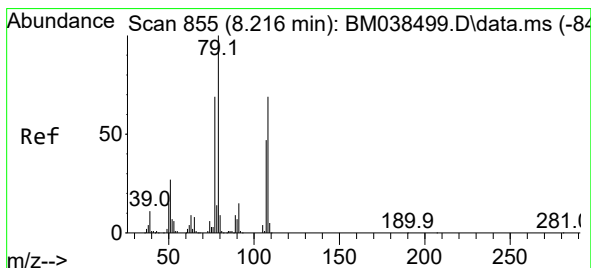
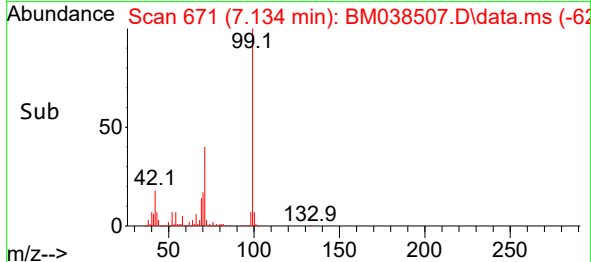
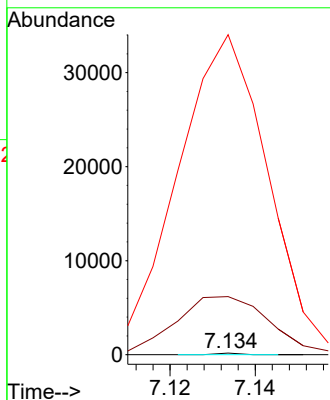
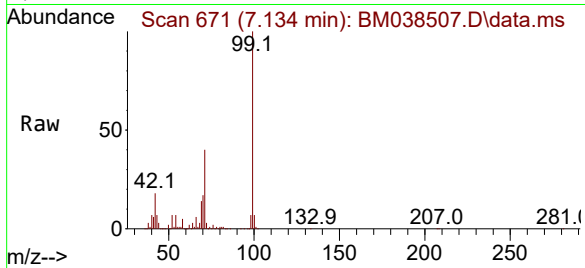




#10
Phenol
Concen: 0.011 ng
RT: 7.134 min Scan# 61
Delta R.T. -0.029 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

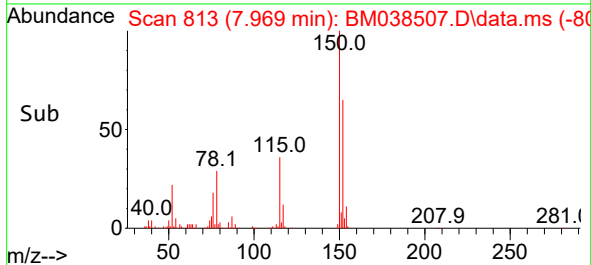
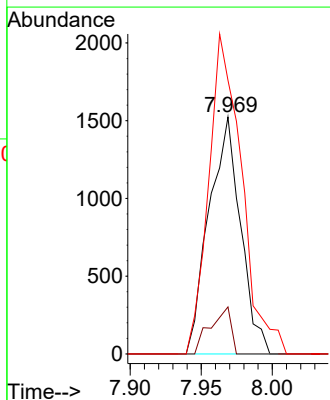
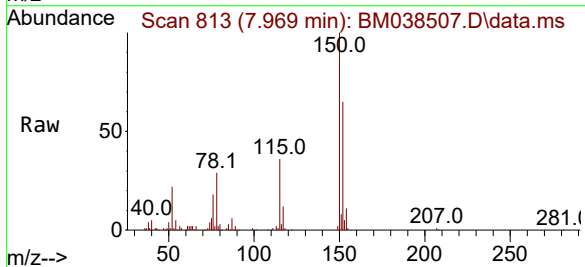
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ClientSampleId :
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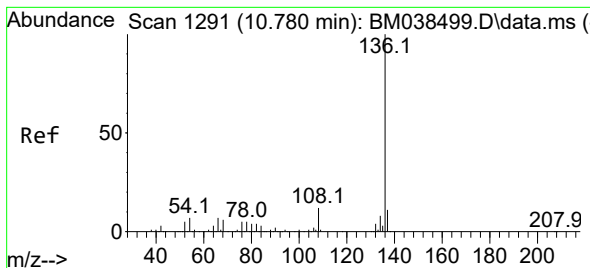
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
65 3656.2 12.7 52.7#
66 20142.0 26.0 66.0#



#15
Benzyl Alcohol
Concen: 0.567 ng
RT: 7.969 min Scan# 813
Delta R.T. -0.247 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 79 Resp: 2361
Ion Ratio Lower Upper
79 100
108 19.8 55.0 82.6#
77 115.6 55.0 82.4#

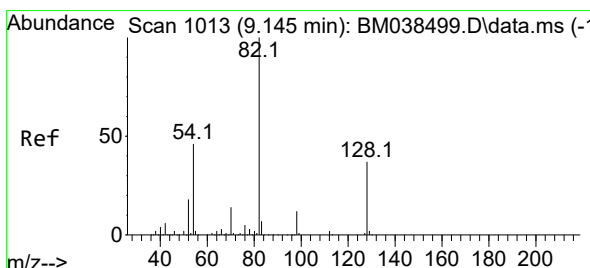
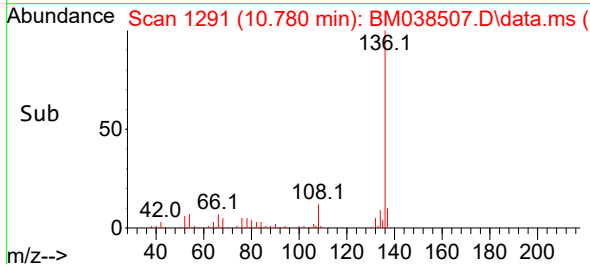
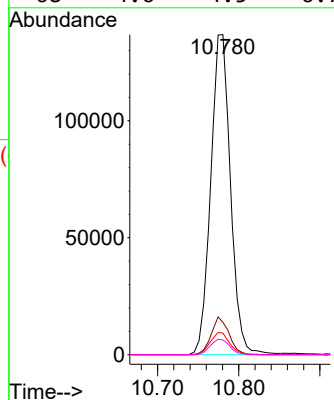
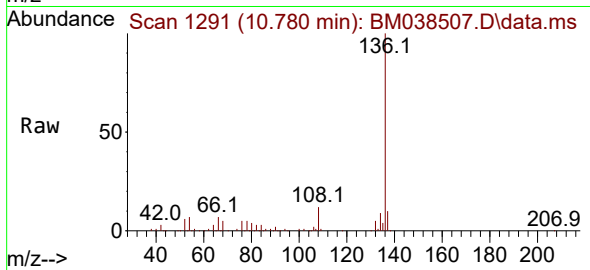




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

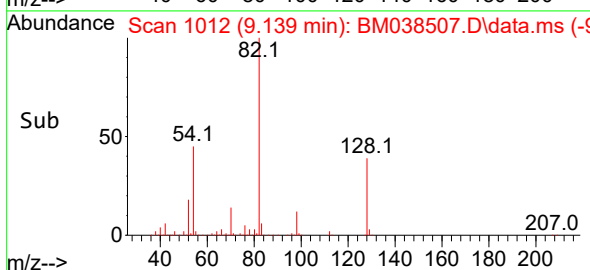
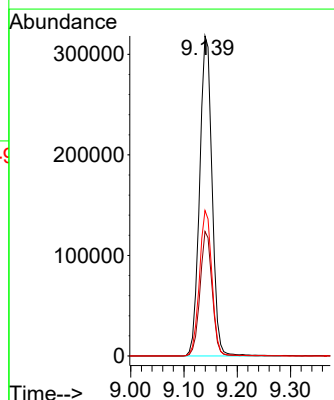
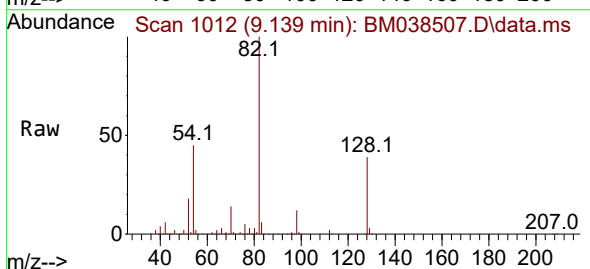
Instrument :
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ClientSampleId :
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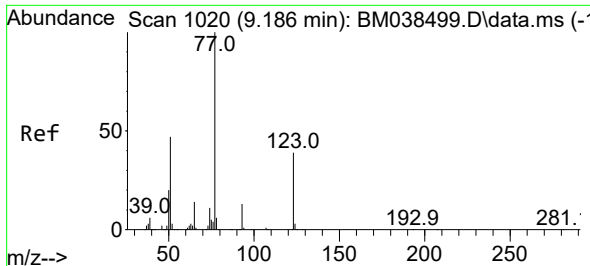
Tgt Ion:136 Resp: 231405
Ion Ratio Lower Upper
136 100
137 10.1 8.4 12.6
54 6.8 6.0 9.0
68 4.6 4.5 6.7



#23
Nitrobenzene-d5
Concen: 96.891 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 82 Resp: 516317
Ion Ratio Lower Upper
82 100
128 38.9 29.3 43.9
54 45.4 36.9 55.3

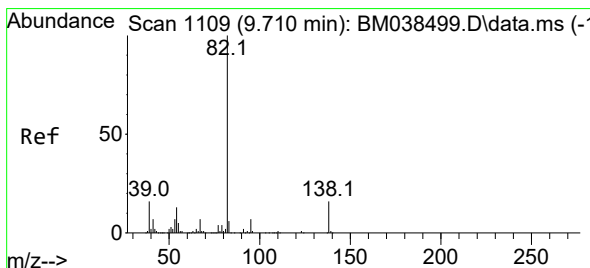
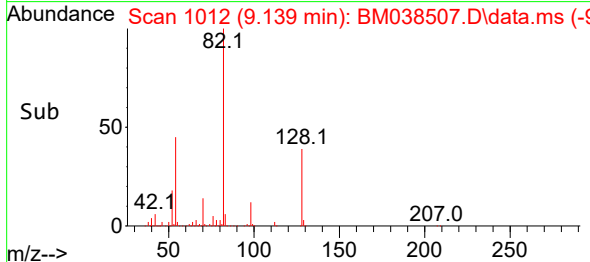
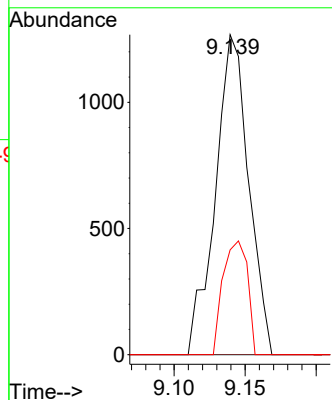
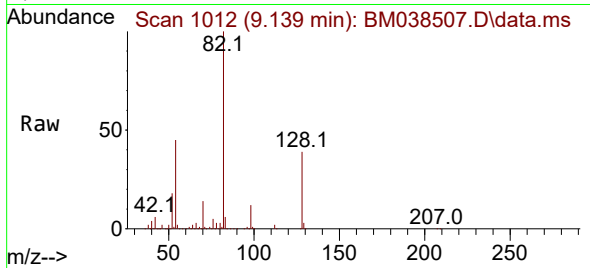




#24
Nitrobenzene
Concen: 0.384 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.047 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

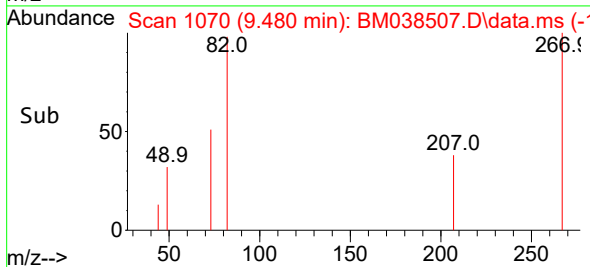
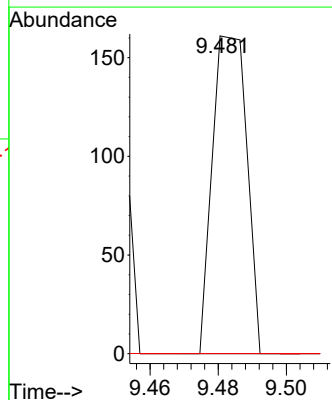
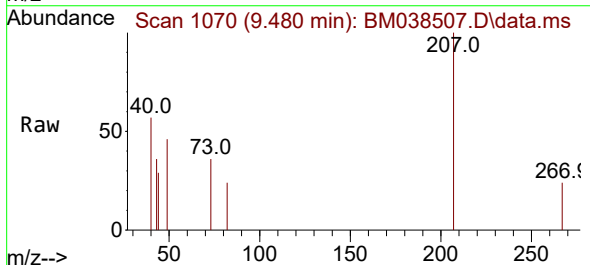
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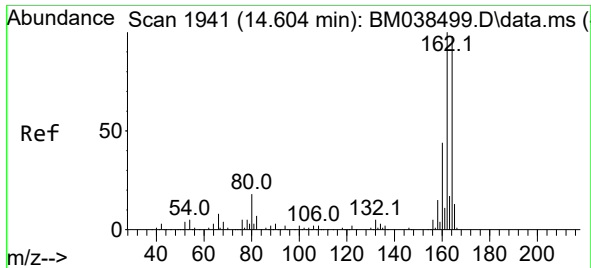
Tgt Ion: 77 Resp: 2068
Ion Ratio Lower Upper
77 100
123 0.0 31.5 47.3#
65 32.7 11.2 16.8#



#25
Isophorone
Concen: 0.013 ng
RT: 9.480 min Scan# 1070
Delta R.T. -0.229 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion: 82 Resp: 113
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.2 19.8#

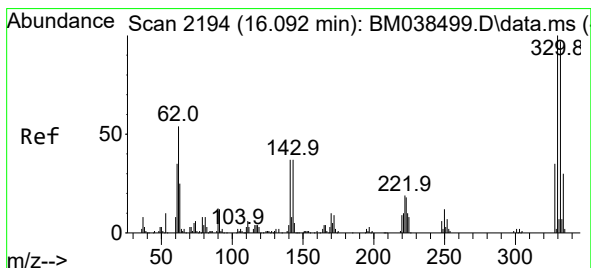
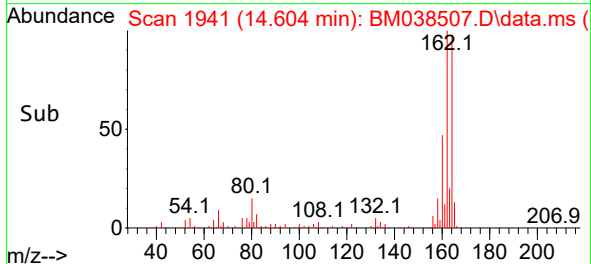
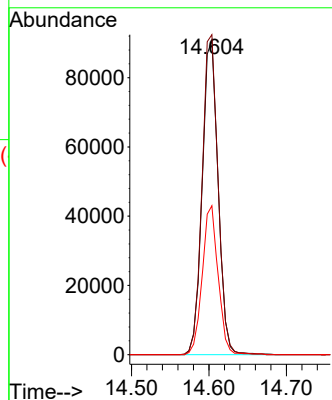
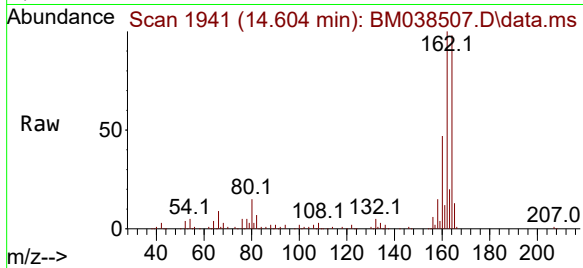




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

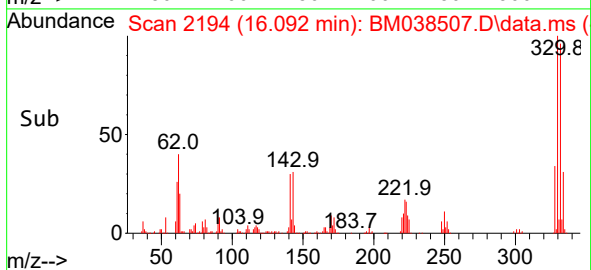
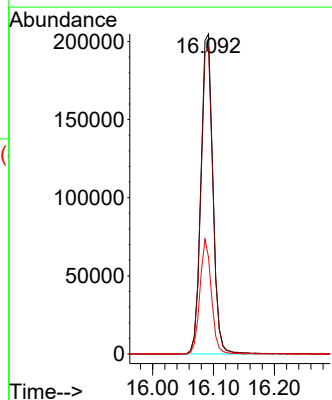
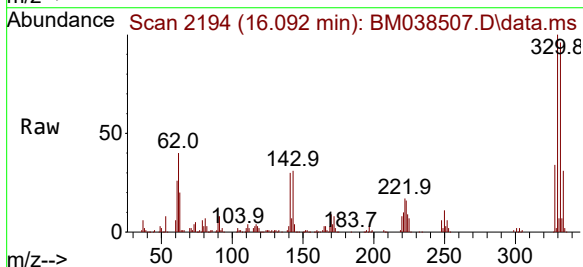
Instrument :
BNA_M
ClientSampleId :
PB150201BL

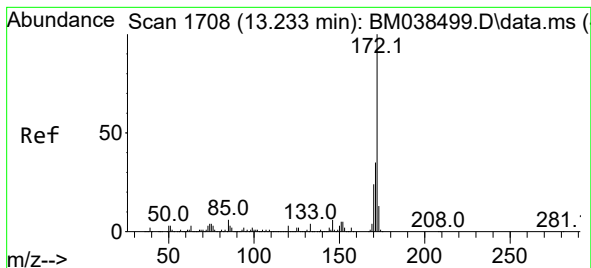
Tgt Ion:164 Resp: 129348
Ion Ratio Lower Upper
164 100
162 101.8 82.0 123.0
160 47.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 150.132 ng
RT: 16.092 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion:330 Resp: 279643
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 34.0 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 105.346 ng

RT: 13.227 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

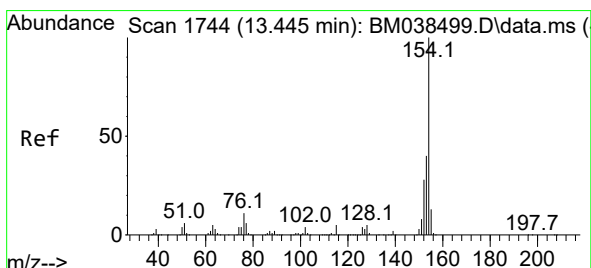
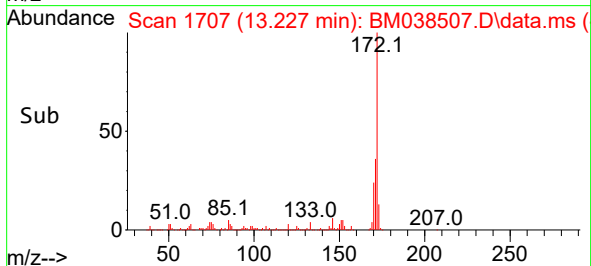
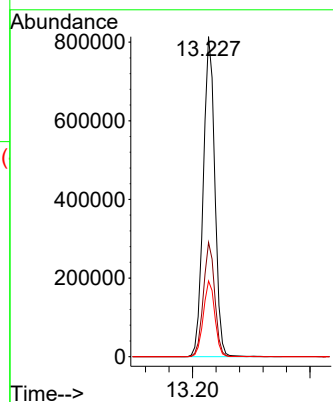
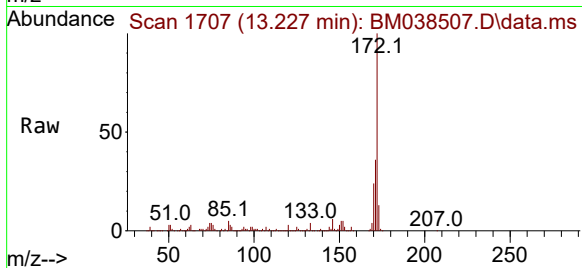
Tgt Ion:172 Resp: 1106192

Ion Ratio Lower Upper

172 100

171 35.7 28.0 42.0

170 23.6 19.5 29.3



#46

1,1'-Biphenyl

Concen: 0.197 ng

RT: 13.227 min Scan# 1707

Delta R.T. -0.218 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

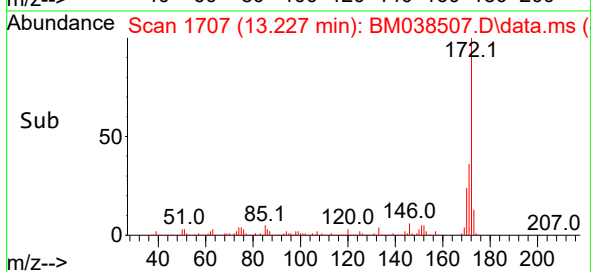
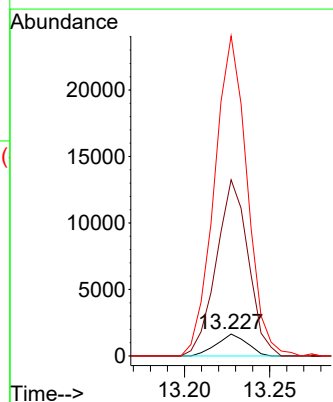
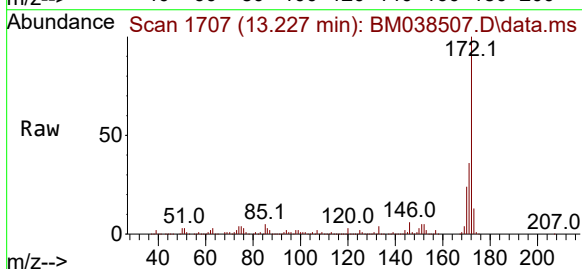
Tgt Ion:154 Resp: 2045

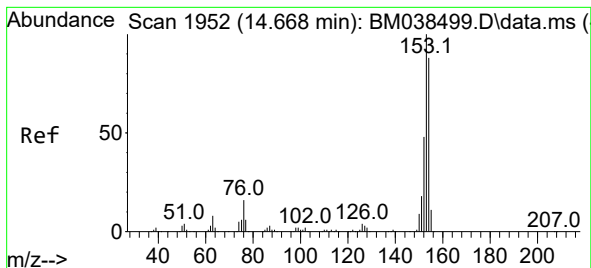
Ion Ratio Lower Upper

154 100

153 805.2 20.1 60.1#

76 1462.9 0.0 31.3#





#52

Acenaphthene

Concen: 0.042 ng

RT: 14.604 min Scan# 1952

Delta R.T. -0.065 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

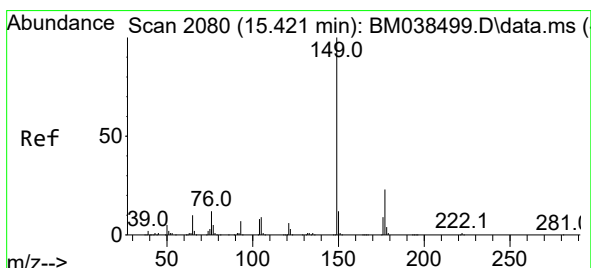
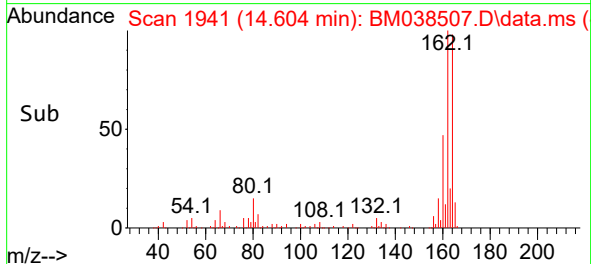
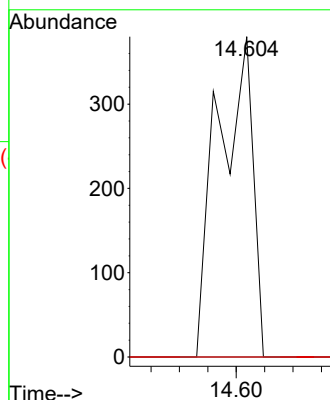
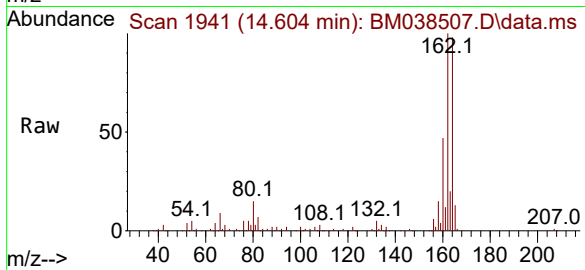
Tgt Ion:154 Resp: 322

Ion Ratio Lower Upper

154 100

153 0.0 90.7 136.1#

152 0.0 43.8 65.8#



#60

Diethylphthalate

Concen: 0.006 ng

RT: 15.415 min Scan# 2079

Delta R.T. -0.006 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

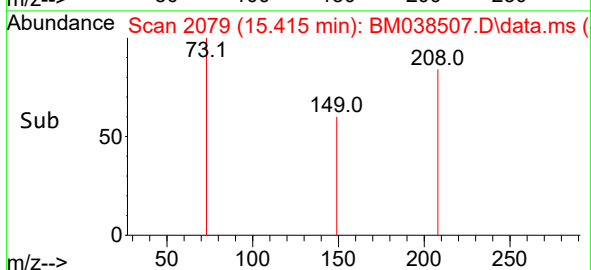
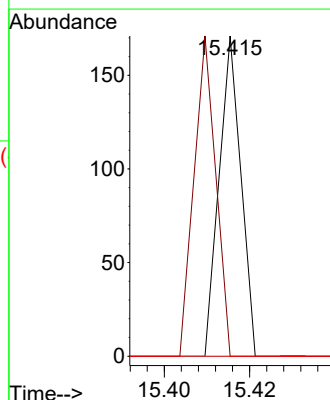
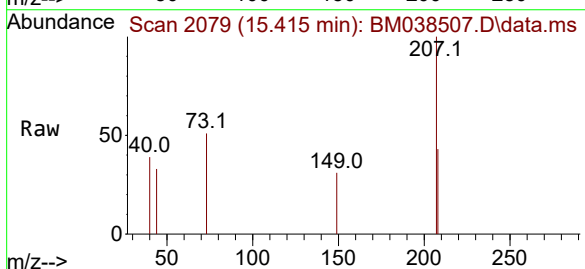
Tgt Ion:149 Resp: 60

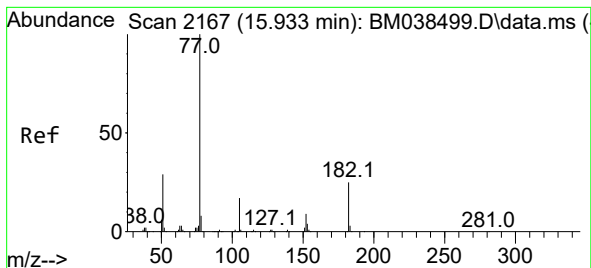
Ion Ratio Lower Upper

149 100

177 0.0 18.6 27.8#

150 0.0 9.5 14.3#





#63

Azobenzene

Concen: 0.201 ng

RT: 16.086 min Scan# 2167

Delta R.T. 0.153 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

Tgt Ion: 77 Resp: 2073

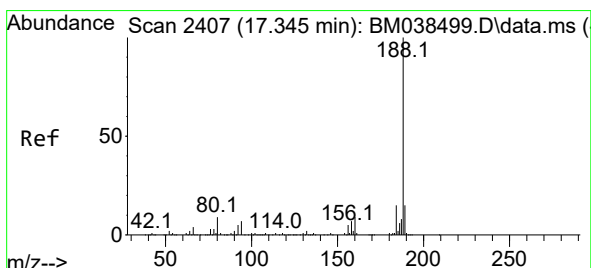
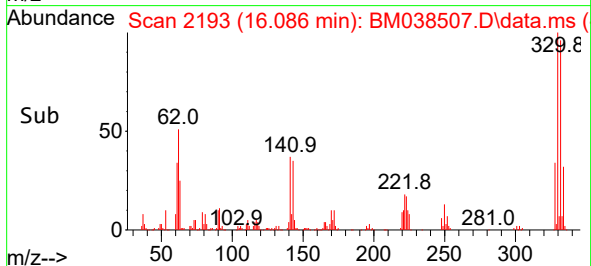
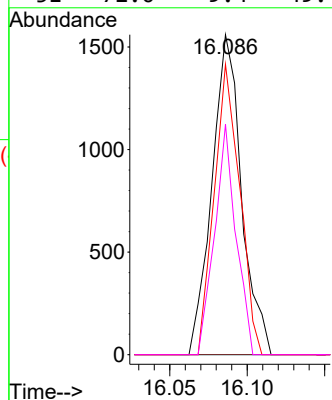
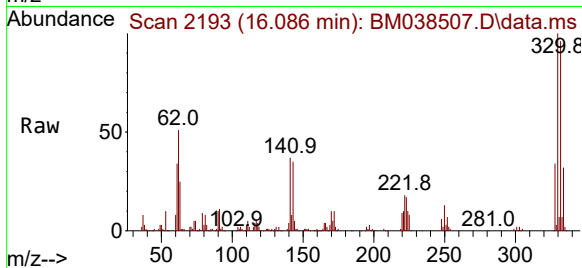
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 90.8 0.0 36.7#

51 72.0 9.4 49.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.345 min Scan# 2407

Delta R.T. 0.000 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

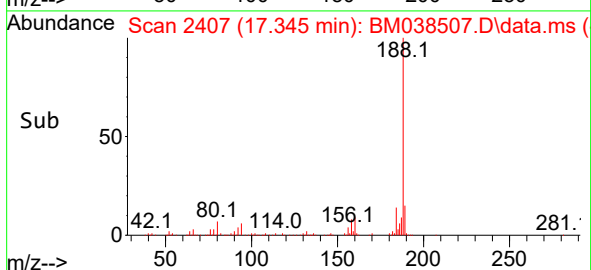
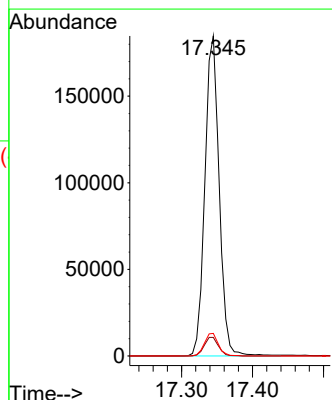
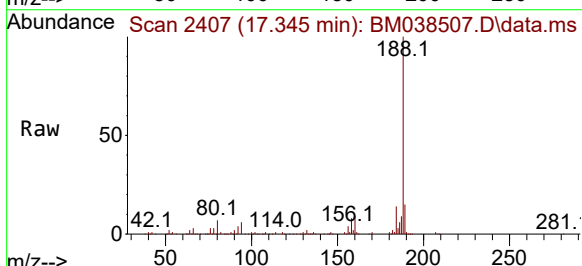
Tgt Ion:188 Resp: 259324

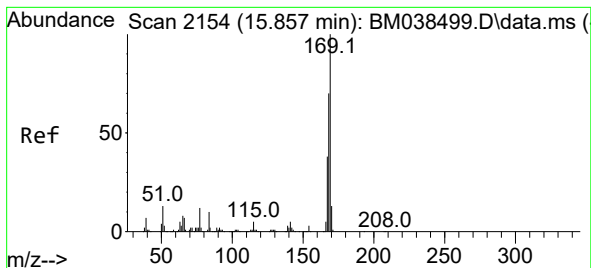
Ion Ratio Lower Upper

188 100

94 5.8 6.0 9.0#

80 7.1 6.9 10.3





#66

n-Nitrosodiphenylamine

Concen: 1.118 ng

RT: 16.086 min Scan# 2154

Delta R.T. 0.229 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

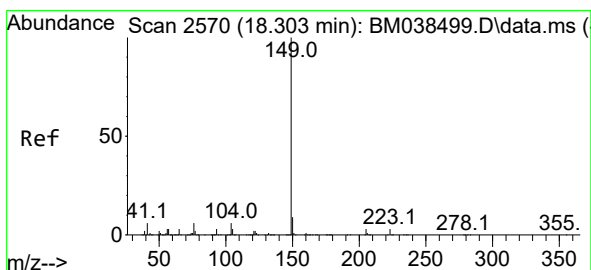
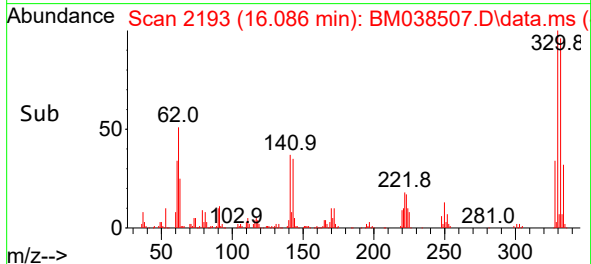
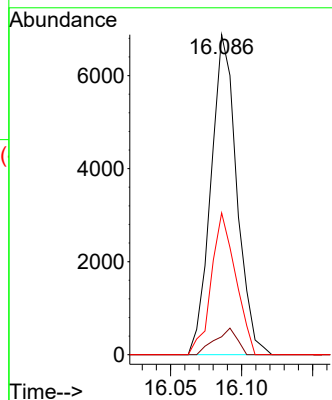
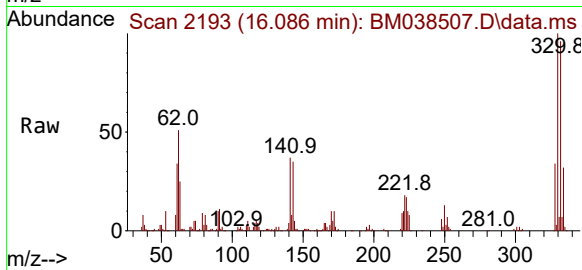
Tgt Ion:169 Resp: 8702

Ion Ratio Lower Upper

169 100

168 5.6 55.8 83.8#

167 44.3 30.3 45.5



#74

Di-n-butylphthalate

Concen: 0.045 ng

RT: 18.303 min Scan# 2570

Delta R.T. 0.000 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

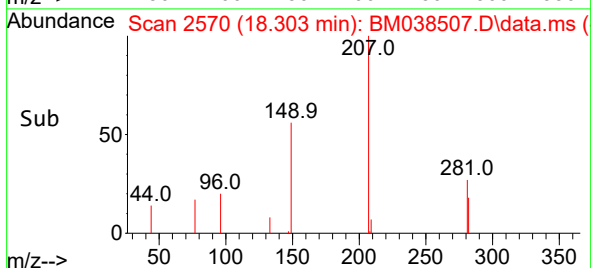
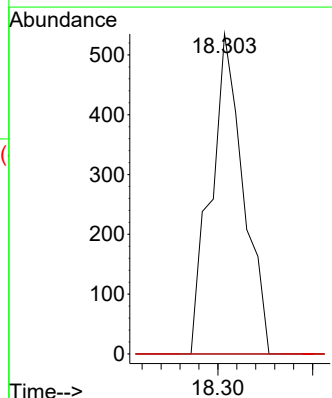
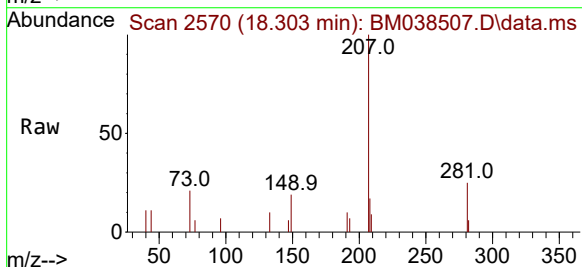
Tgt Ion:149 Resp: 638

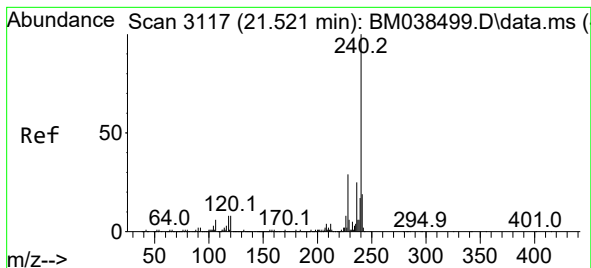
Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.0#

104 0.0 4.6 6.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

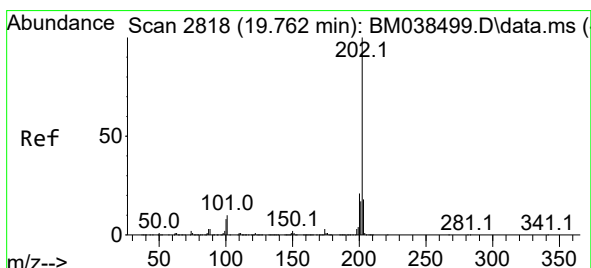
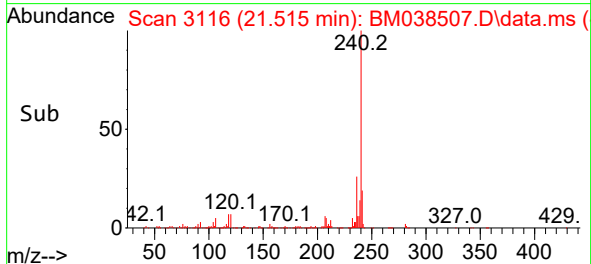
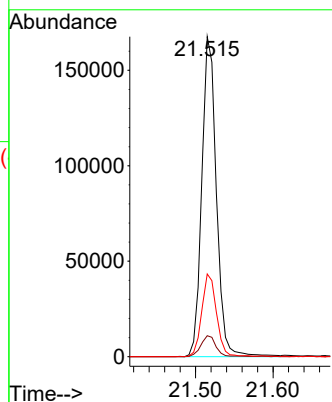
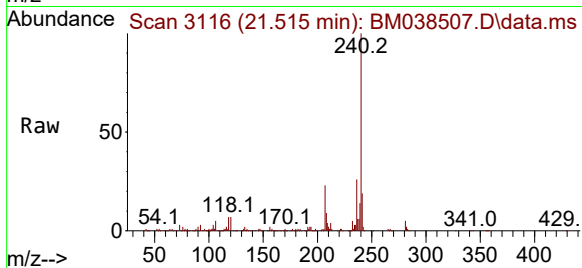
Tgt Ion:240 Resp: 219710

Ion Ratio Lower Upper

240 100

120 6.5 6.2 9.2

236 25.8 20.2 30.2



#78

Pyrene

Concen: 0.293 ng

RT: 19.956 min Scan# 2851

Delta R.T. 0.194 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

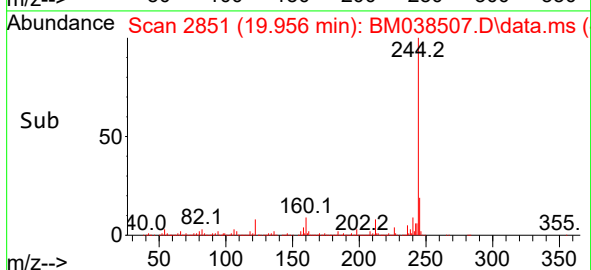
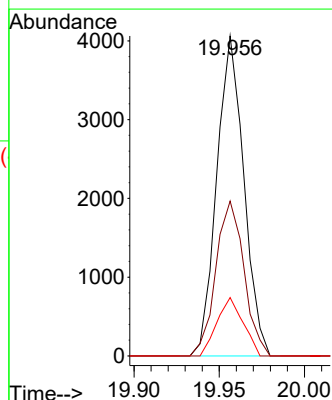
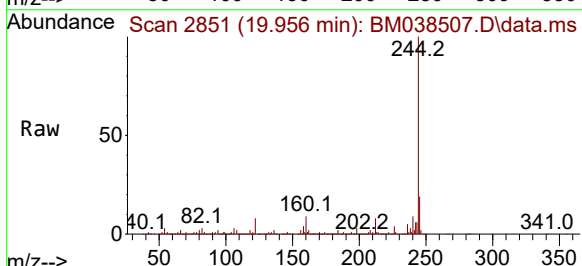
Tgt Ion:202 Resp: 4486

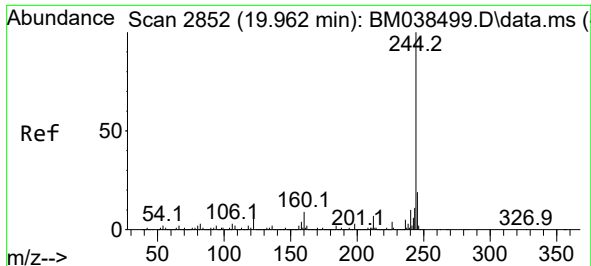
Ion Ratio Lower Upper

202 100

200 48.4 17.0 25.4#

203 18.3 14.2 21.2

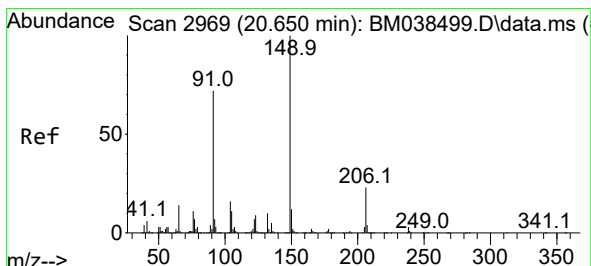
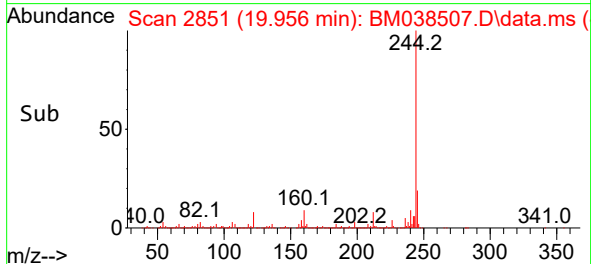
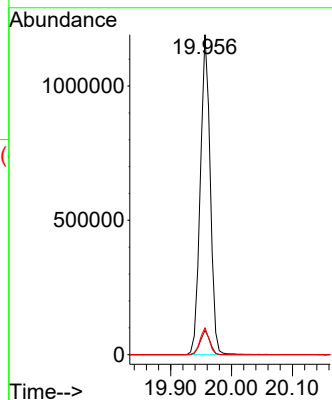
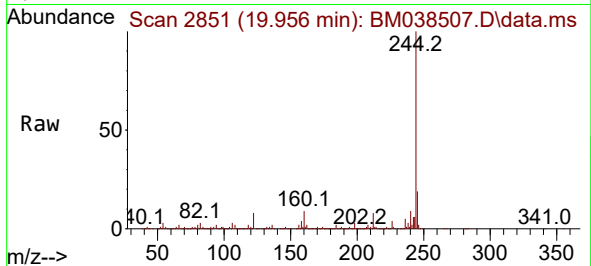




#79
 Terphenyl-d14
 Concen: 119.685 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038507.D
 Acq: 23 Jan 2023 12:30

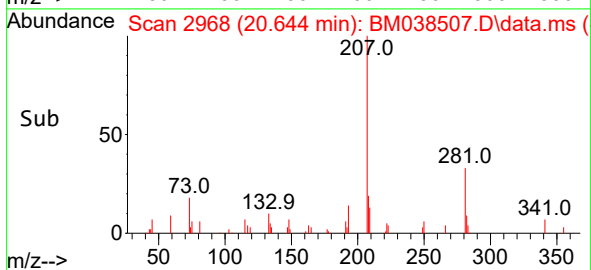
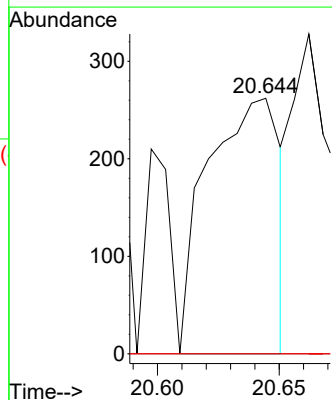
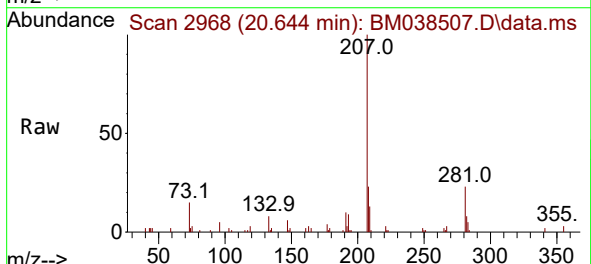
Instrument :
 BNA_M
 ClientSampleId :
 PB150201BL

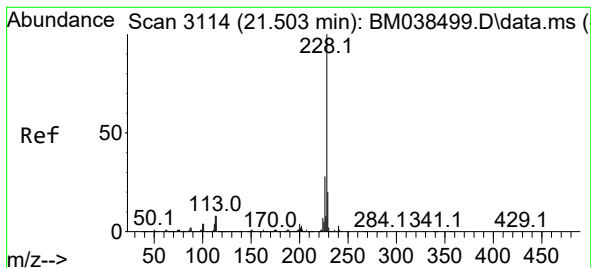
Tgt Ion:244 Resp: 1348851
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 8.4 6.7 10.1



#80
 Butylbenzylphthalate
 Concen: 0.103 ng
 RT: 20.644 min Scan# 2968
 Delta R.T. -0.006 min
 Lab File: BM038507.D
 Acq: 23 Jan 2023 12:30

Tgt Ion:149 Resp: 545
 Ion Ratio Lower Upper
 149 100
 91 0.0 57.5 86.3#
 206 0.0 18.2 27.2#





#81

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.515 min Scan# 3114

Delta R.T. 0.012 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

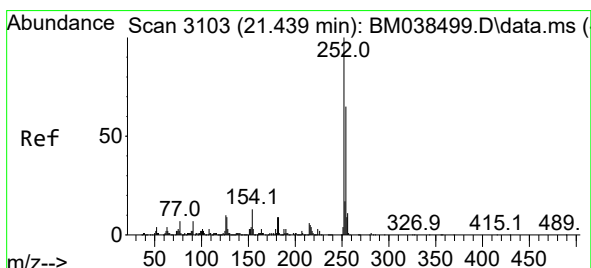
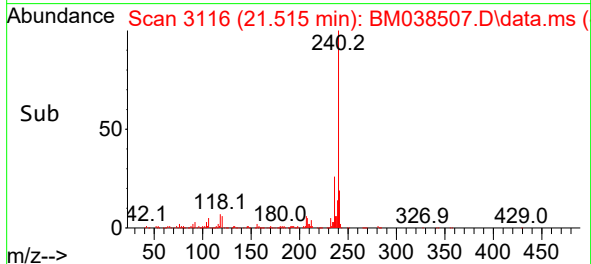
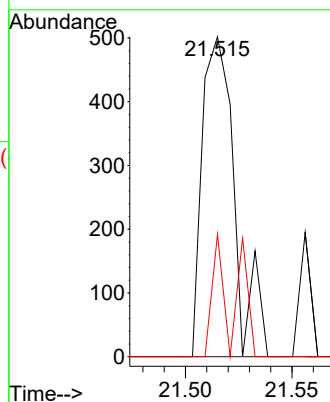
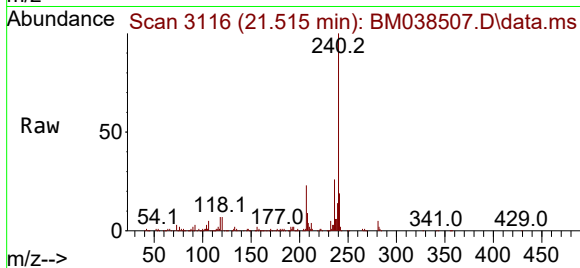
Instrument :

BNA_M

ClientSampleId :

PB150201BL

Tgt Ion:	228	Resp:	530
Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.2	33.2#
229	38.2	16.0	24.0#



#82

3,3'-Dichlorobenzidine

Concen: 0.014 ng

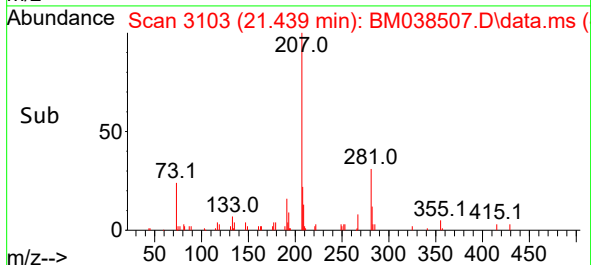
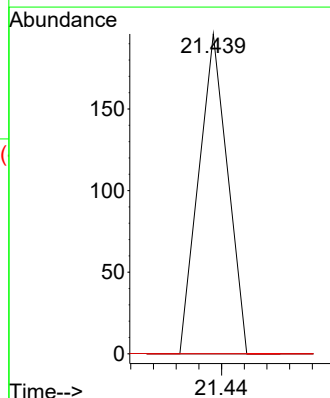
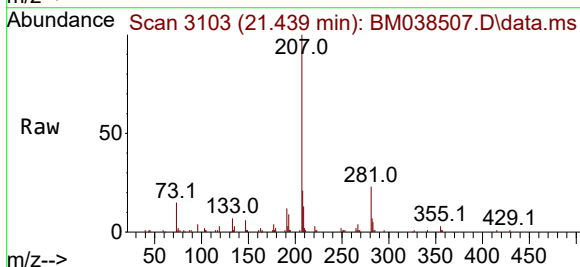
RT: 21.439 min Scan# 3103

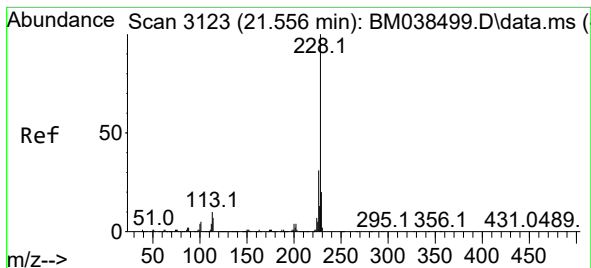
Delta R.T. 0.000 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Tgt Ion:	252	Resp:	69
Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.9	77.9#
126	0.0	7.7	11.5#





#83

Chrysene

Concen: 0.005 ng

RT: 21.556 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

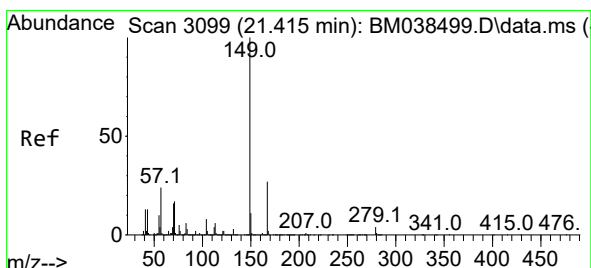
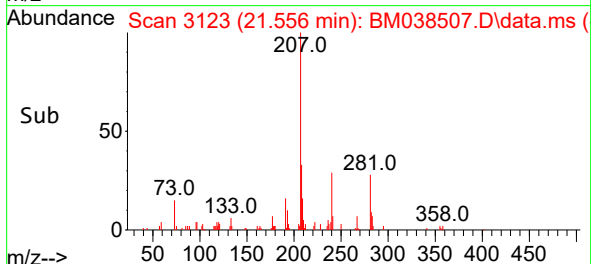
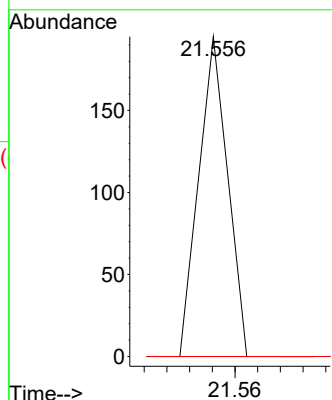
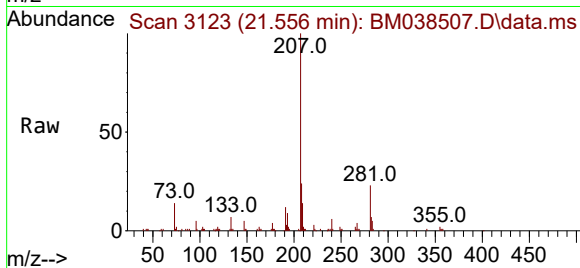
Tgt Ion:228 Resp: 69

Ion Ratio Lower Upper

228 100

226 0.0 24.4 36.6#

229 0.0 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.077 ng

RT: 21.421 min Scan# 3100

Delta R.T. 0.006 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

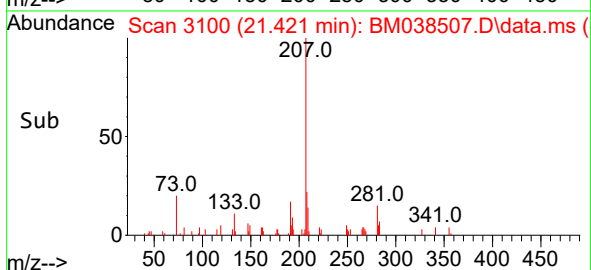
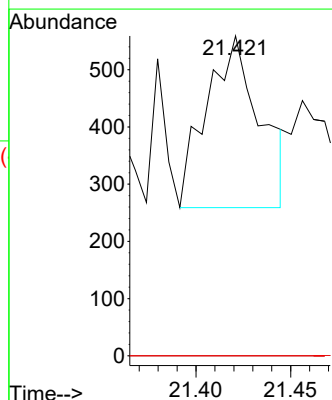
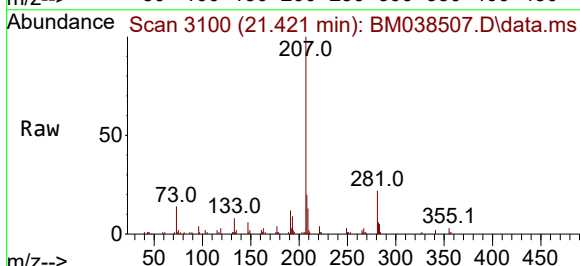
Tgt Ion:149 Resp: 588

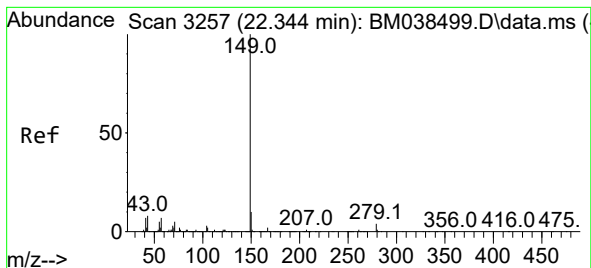
Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 0.017 ng

RT: 22.333 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL

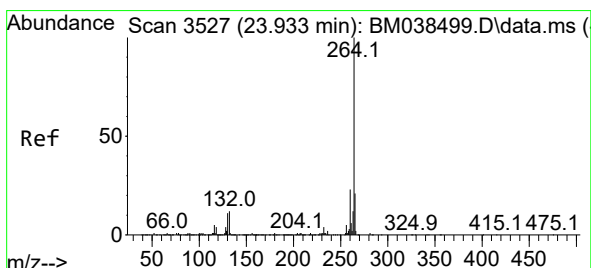
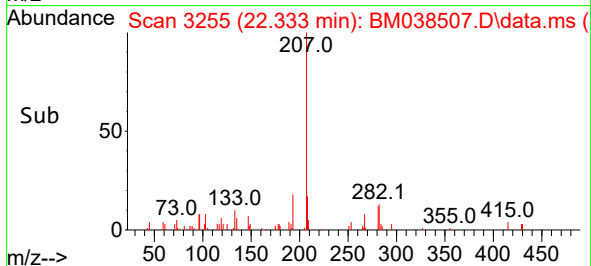
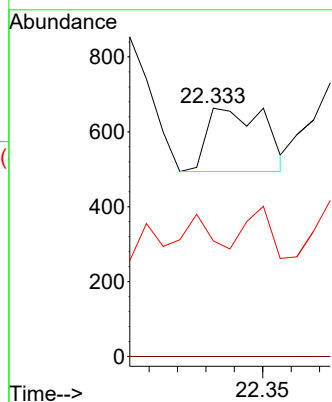
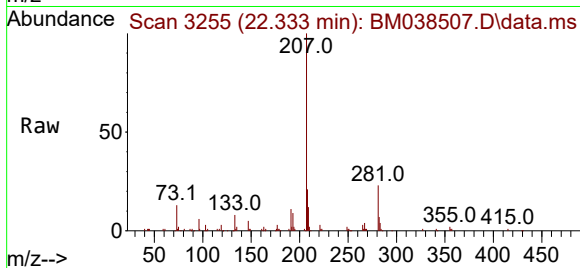
Tgt Ion:149 Resp: 238

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 35.3 6.7 10.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.933 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BM038507.D

Acq: 23 Jan 2023 12:30

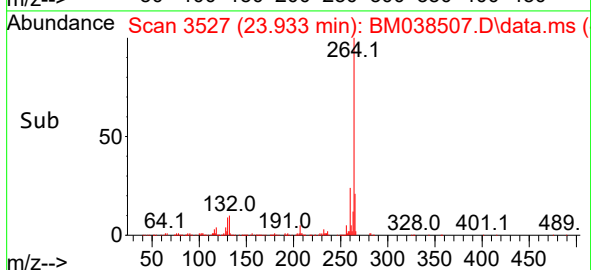
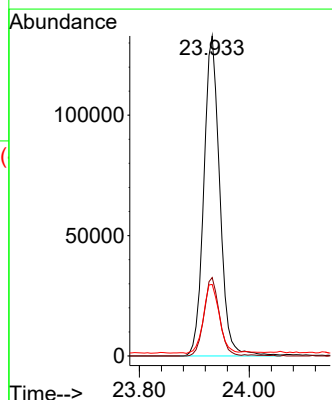
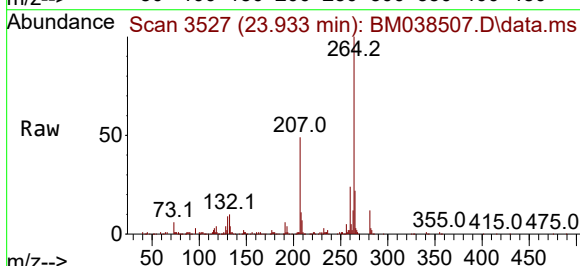
Tgt Ion:264 Resp: 267605

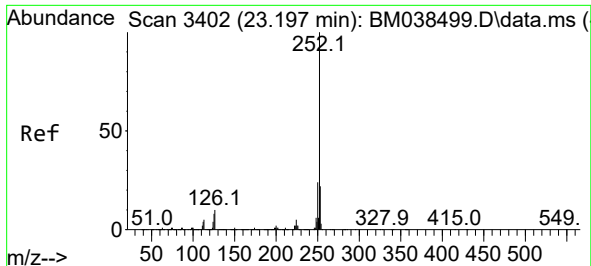
Ion Ratio Lower Upper

264 100

260 24.5 18.5 27.7

265 22.4 17.8 26.6

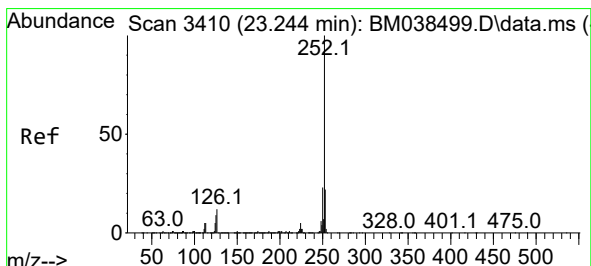
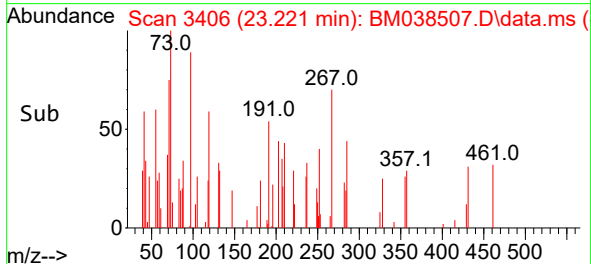
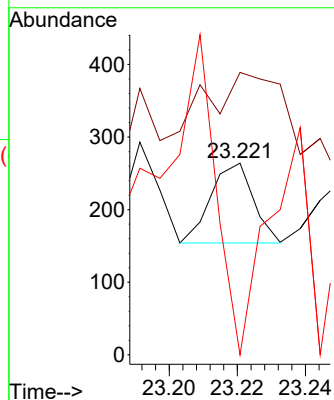
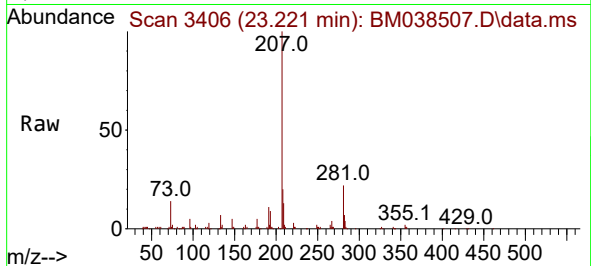




#88
Benzo(b)fluoranthene
Concen: 0.006 ng
RT: 23.221 min Scan# 3406
Delta R.T. 0.024 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

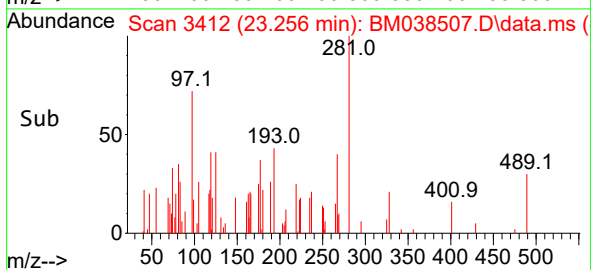
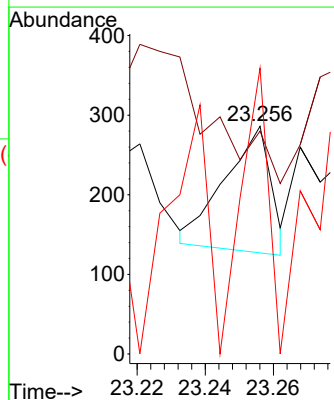
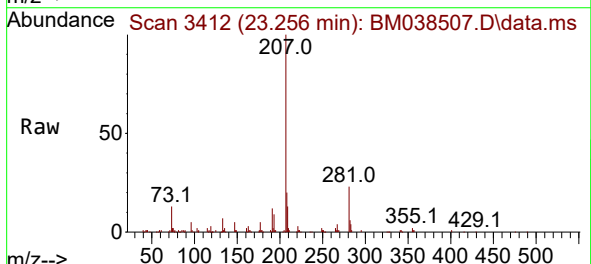
Instrument :
BNA_M
ClientSampleId :
PB150201BL

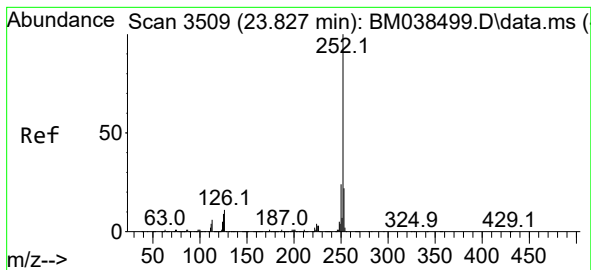
Tgt Ion:252 Resp: 96
Ion Ratio Lower Upper
252 100
253 147.3 17.4 26.0#
125 0.0 6.4 9.6#



#89
Benzo(k)fluoranthene
Concen: 0.009 ng
RT: 23.256 min Scan# 3412
Delta R.T. 0.012 min
Lab File: BM038507.D
Acq: 23 Jan 2023 12:30

Tgt Ion:252 Resp: 147
Ion Ratio Lower Upper
252 100
253 97.9 17.8 26.8#
125 125.5 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 0.035 ng

RT: 23.815 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM038507.D

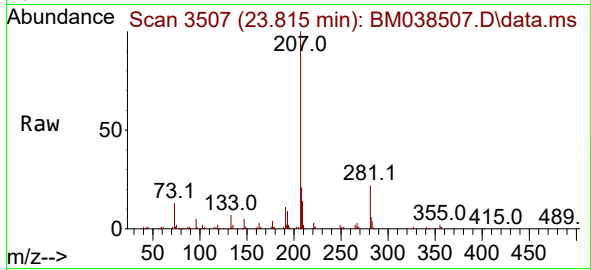
Acq: 23 Jan 2023 12:30

Instrument :

BNA_M

ClientSampleId :

PB150201BL



Tgt Ion:252 Resp: 554

Ion Ratio Lower Upper

252 100

253 134.4 17.4 26.0#

125 74.8 7.3 10.9#

