

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011823\
 Data File : BM038475.D
 Acq On : 18 Jan 2023 11:49
 Operator : CG/JU
 Sample : PB150197BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150196BL

Quant Time: Jan 19 06:11:23 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

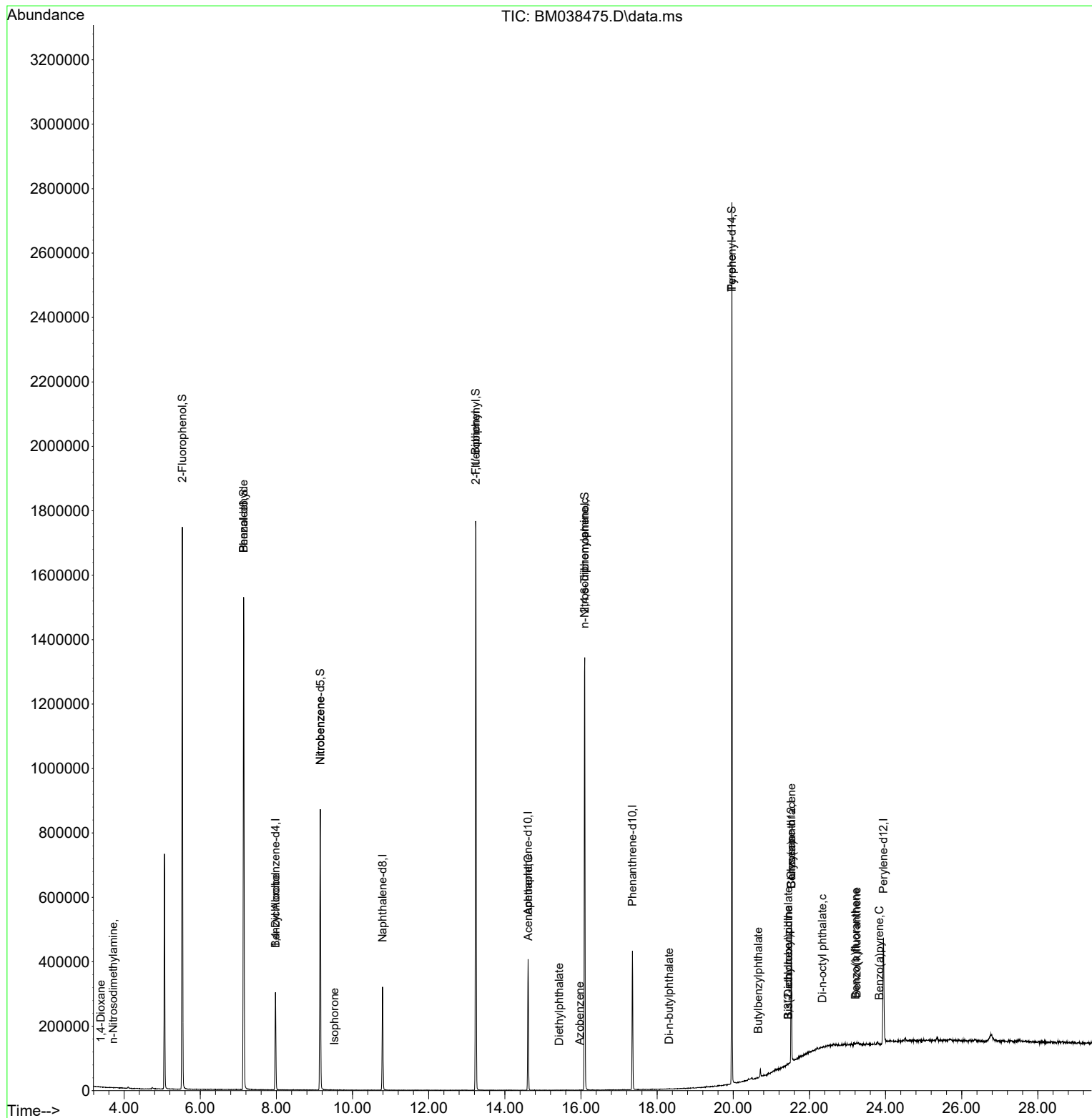
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	65078	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	222763	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	121245	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	237055	20.000	ng	0.00
76) Chrysene-d12	21.521	240	199469	20.000	ng	0.00
86) Perylene-d12	23.944	264	240765	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	571058	133.853	ng	0.00
7) Phenol-d6	7.139	99	676290	123.748	ng	0.00
23) Nitrobenzene-d5	9.151	82	460280	84.189	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	215827	105.300	ng	0.00
45) 2-Fluorobiphenyl	13.239	172	809451	83.259	ng	0.00
79) Terphenyl-d14	19.962	244	1094522	102.722	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	128	0.066	ng	# 78
4) n-Nitrosodimethylamine	3.716	42	412	0.123	ng	# 1
9) Benzaldehyde	7.139	77	1940	0.531	ng	# 7
15) Benzyl Alcohol	7.975	79	2537	0.580	ng	# 39
24) Nitrobenzene	9.151	77	2032	0.352	ng	# 51
25) Isophorone	9.522	82	55	0.006	ng	# 70
46) 1,1'-Biphenyl	13.233	154	1322	0.141	ng	# 1
52) Acenaphthene	14.615	154	313	0.044	ng	# 3
60) Diethylphthalate	15.427	149	230	0.023	ng	# 59
63) Azobenzene	15.968	77	68	0.006	ng	# 49
66) n-Nitrosodiphenylamine	16.092	169	7124	1.024	ng	# 50
74) Di-n-butylphthalate	18.315	149	619	0.044	ng	# 78
78) Pyrene	19.962	202	3695	0.278	ng	# 62
80) Butylbenzylphthalate	20.656	149	260	0.054	ng	# 22
81) Benzo(a)anthracene	21.527	228	529	0.037	ng	# 42
82) 3,3'-Dichlorobenzidine	21.444	252	54	0.012	ng	# 25
83) Chrysene	21.527	228	529	0.038	ng	# 42
84) Bis(2-ethylhexyl)phtha...	21.444	149	668	0.096	ng	# 54
85) Di-n-octyl phthalate	22.338	149	418	0.034	ng	# 7
88) Benzo(b)fluoranthene	23.209	252	227	0.015	ng	# 1
89) Benzo(k)fluoranthene	23.244	252	146	0.009	ng	# 1
90) Benzo(a)pyrene	23.838	252	142	0.010	ng	# 1

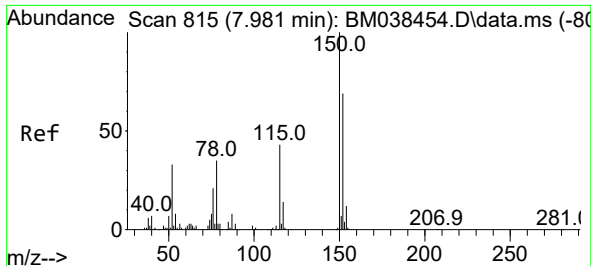
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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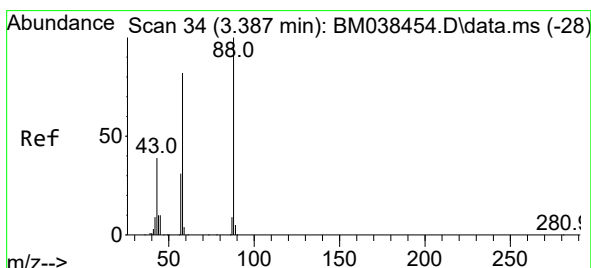
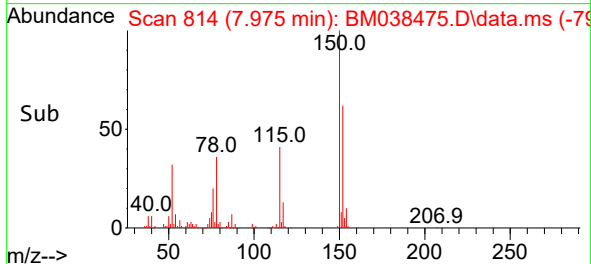
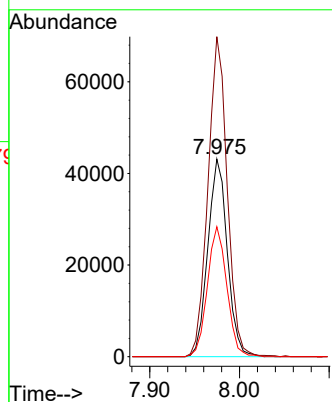
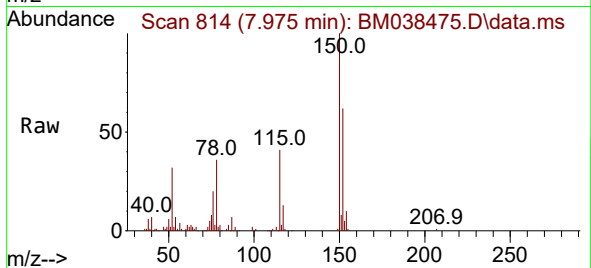




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.975 min Scan# 815
Delta R.T. -0.000 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

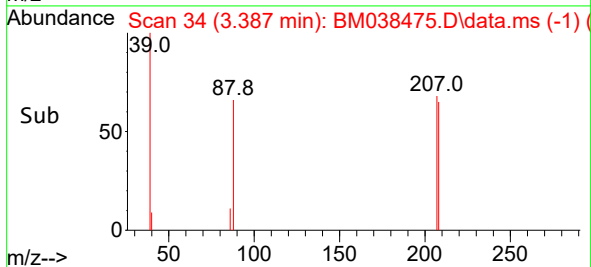
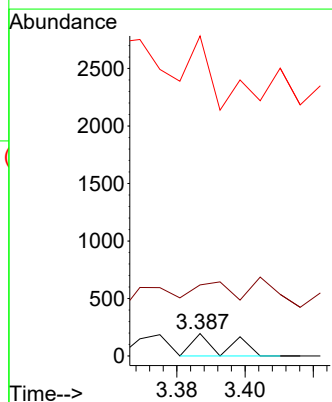
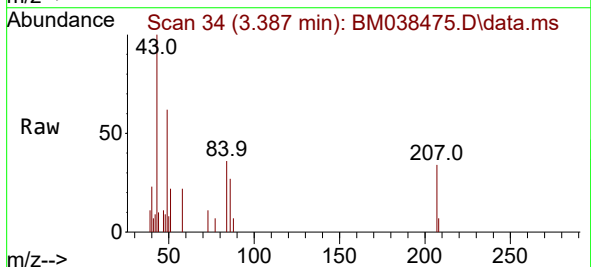
Instrument :
BNA_M
ClientSampleId :
PB150196BL

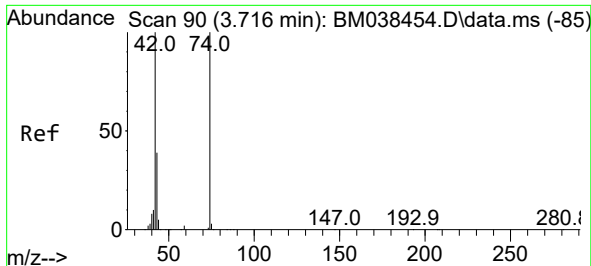
Tgt Ion:152 Resp: 65078
Ion Ratio Lower Upper
152 100
150 161.9 116.0 174.0
115 65.7 49.4 74.2



#2
1,4-Dioxane
Concen: 0.066 ng
RT: 3.387 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
58 79.7 64.3 96.5
43 0.0 32.3 48.5

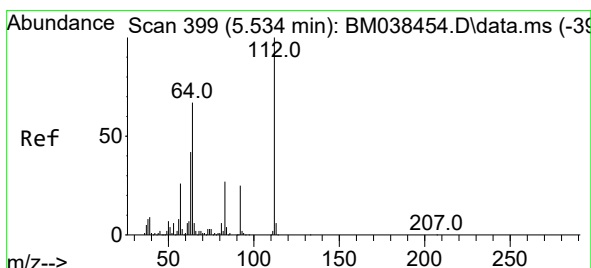
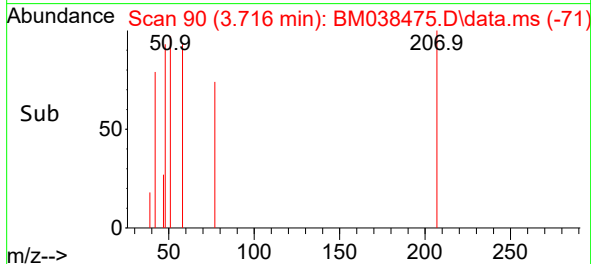
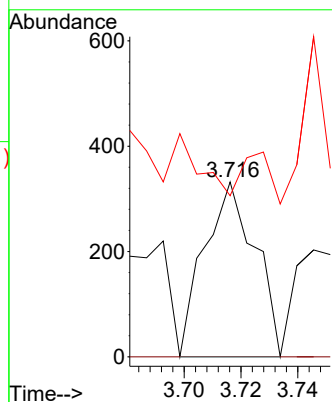
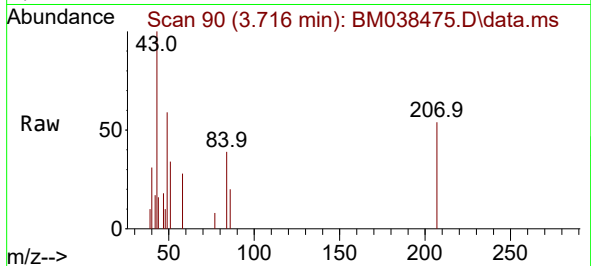




#4
n-Nitrosodimethylamine
Concen: 0.123 ng
RT: 3.716 min Scan# 90
Delta R.T. 0.012 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

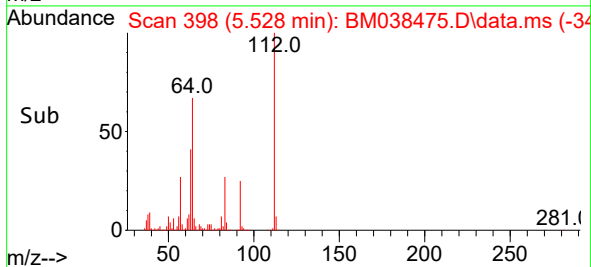
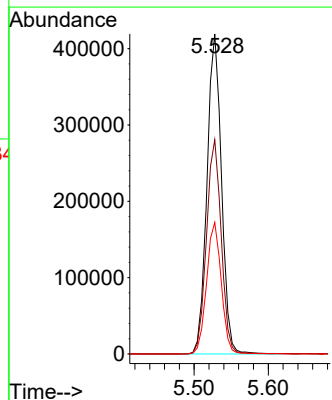
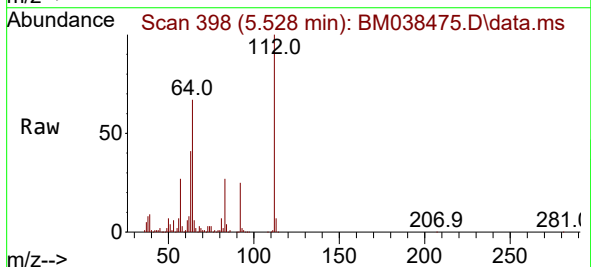
Instrument :
BNA_M
ClientSampleId :
PB150196BL

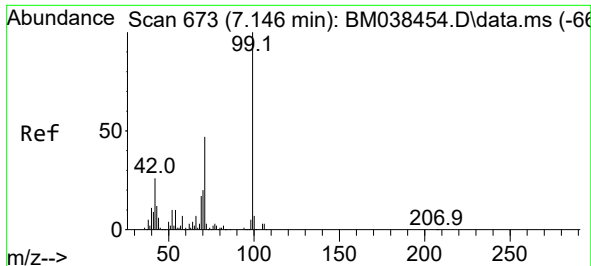
Tgt Ion: 42 Resp: 412
Ion Ratio Lower Upper
42 100
74 0.0 79.7 119.5#
44 92.2 4.7 7.1#



#5
2-Fluorophenol
Concen: 133.853 ng
RT: 5.528 min Scan# 398
Delta R.T. 0.006 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion: 112 Resp: 571058
Ion Ratio Lower Upper
112 100
64 66.9 53.7 80.5
63 41.1 33.7 50.5

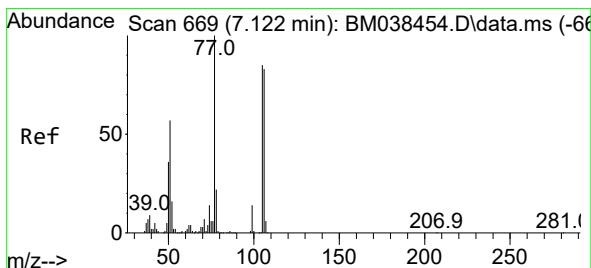
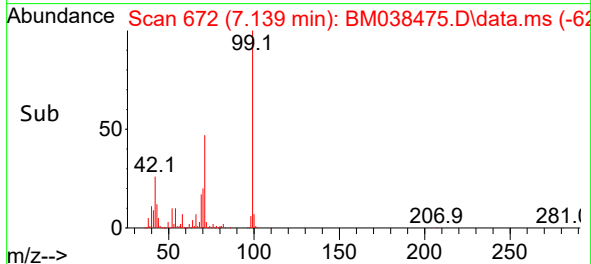
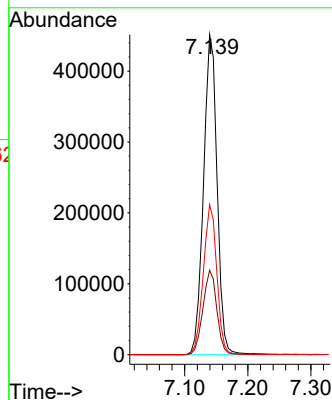
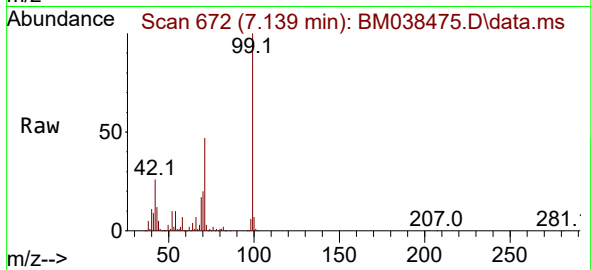




#7
Phenol-d6
Concen: 123.748 ng
RT: 7.139 min Scan# 673
Delta R.T. 0.000 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

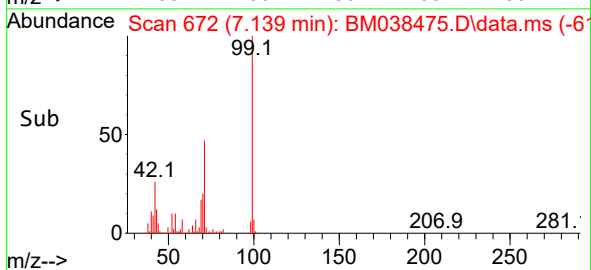
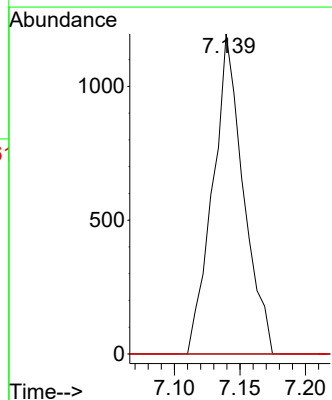
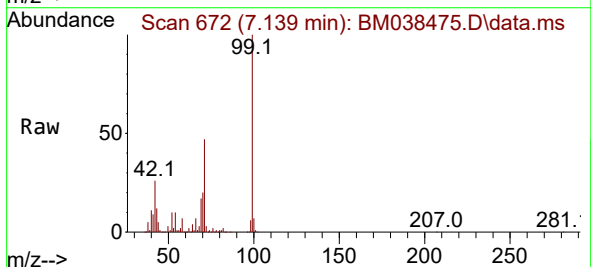
Instrument :
BNA_M
ClientSampleId :
PB150196BL

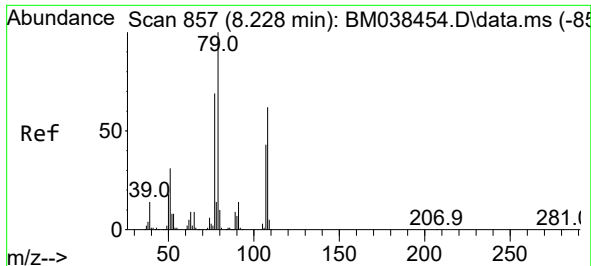
Tgt Ion: 99 Resp: 676290
Ion Ratio Lower Upper
99 100
42 26.4 20.8 31.2
71 46.9 37.8 56.8



#9
Benzaldehyde
Concen: 0.531 ng
RT: 7.139 min Scan# 672
Delta R.T. 0.024 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion: 77 Resp: 1940
Ion Ratio Lower Upper
77 100
105 0.0 65.3 105.3#
106 0.0 62.5 102.5#

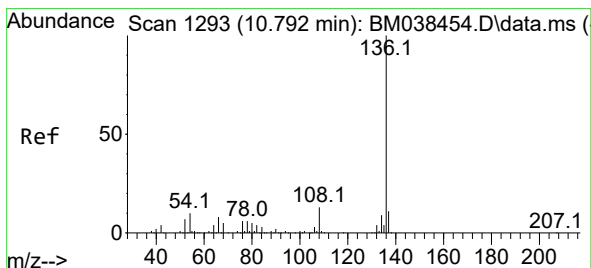
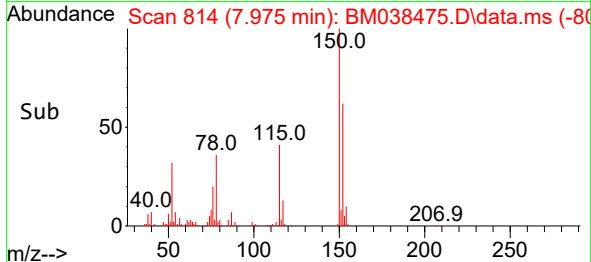
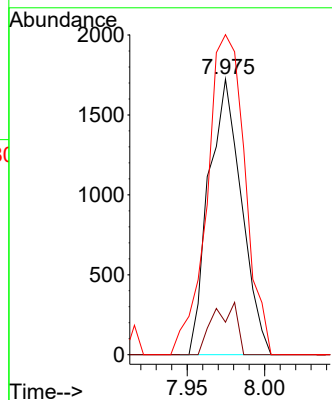
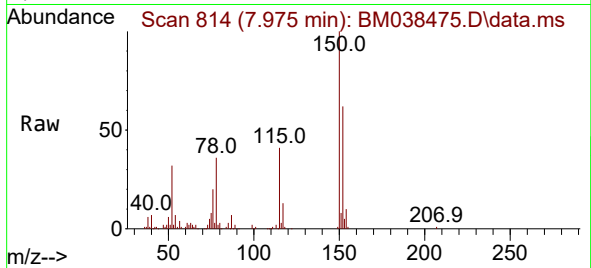




#15
Benzyl Alcohol
Concen: 0.580 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.247 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

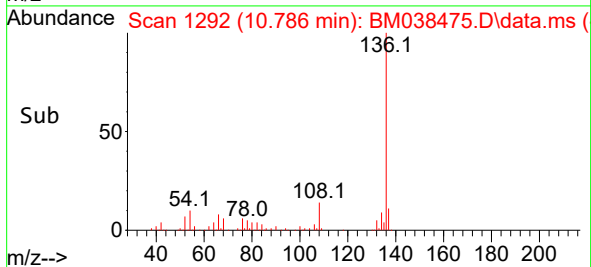
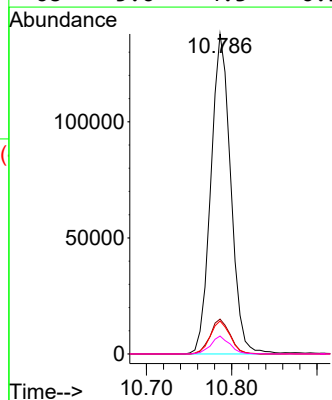
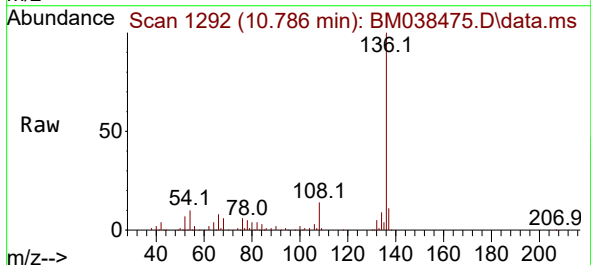
Instrument :
BNA_M
ClientSampleId :
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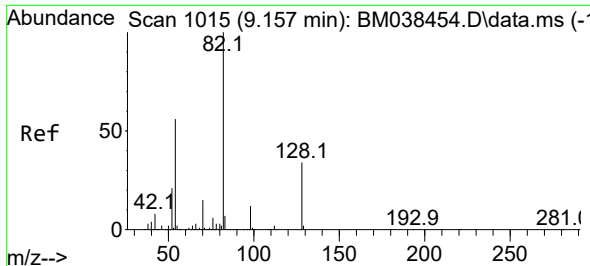
Tgt Ion: 79 Resp: 2537
Ion Ratio Lower Upper
79 100
108 11.8 49.3 73.9#
77 116.1 55.1 82.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.786 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion: 136 Resp: 222763
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 10.3 7.6 11.4
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 84.189 ng

RT: 9.151 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

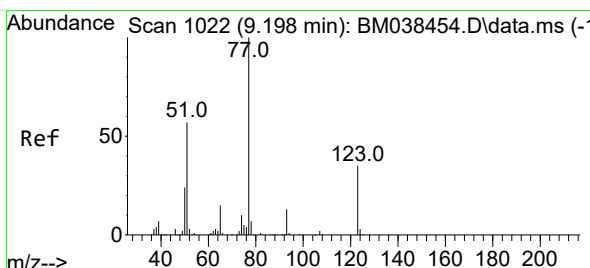
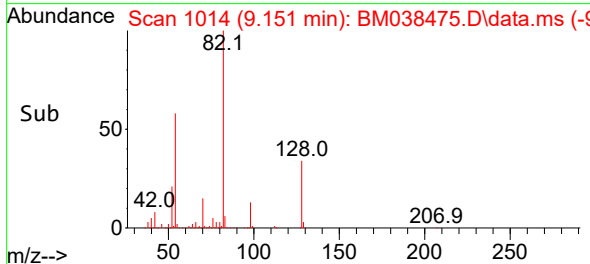
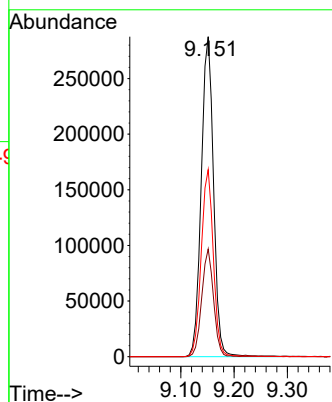
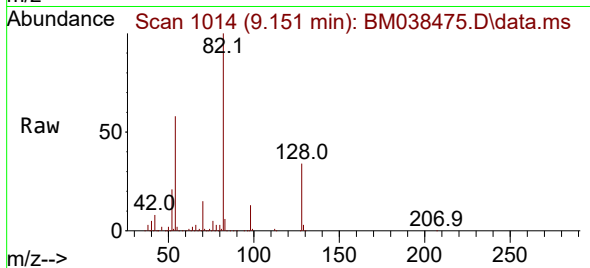
Tgt Ion: 82 Resp: 460280

Ion Ratio Lower Upper

82 100

128 33.7 27.0 40.6

54 58.4 45.0 67.6



#24

Nitrobenzene

Concen: 0.352 ng

RT: 9.151 min Scan# 1014

Delta R.T. -0.041 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

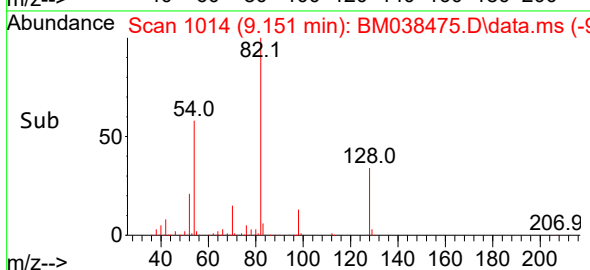
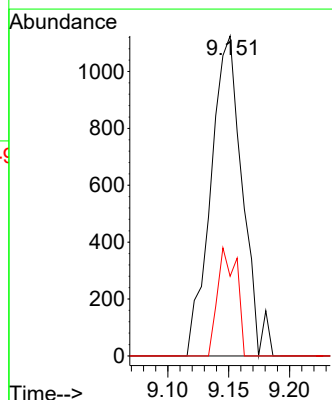
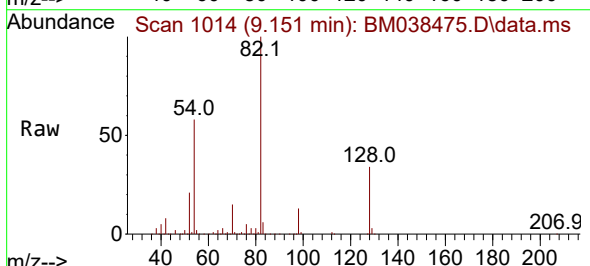
Tgt Ion: 77 Resp: 2032

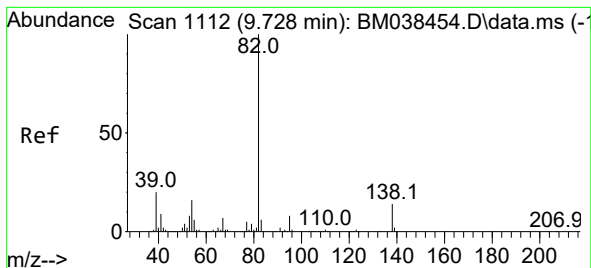
Ion Ratio Lower Upper

77 100

123 0.0 28.2 42.4#

65 24.9 12.1 18.1#





#25

Isophorone

Concen: 0.006 ng

RT: 9.522 min Scan# 1077

Delta R.T. -0.194 min

Lab File: BM038475.D

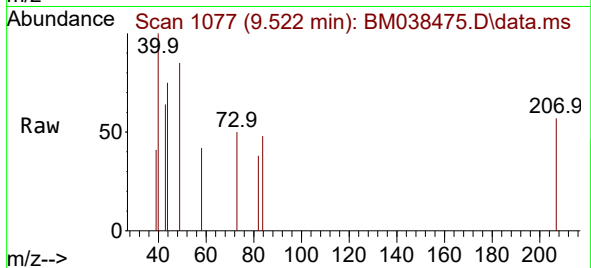
Acq: 18 Jan 2023 11:49

Instrument :

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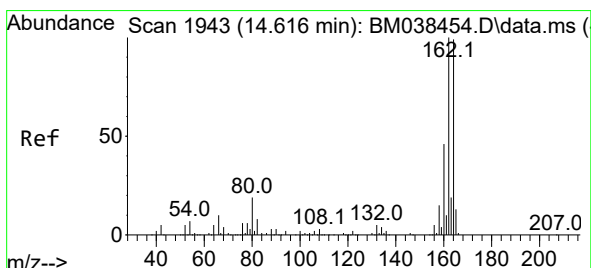
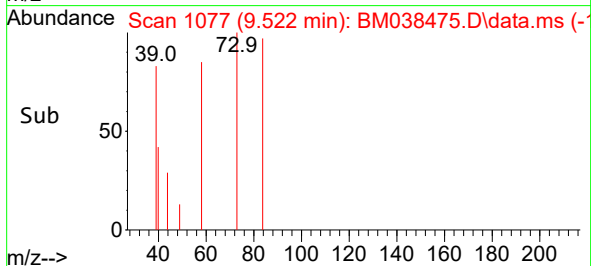
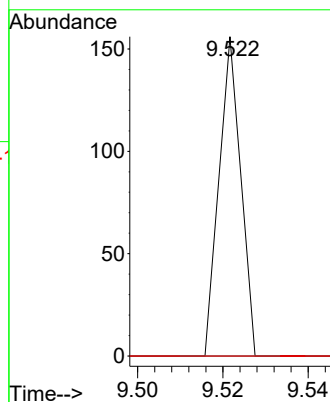
Tgt Ion: 82 Resp: 55

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: 14.610 min Scan# 1942

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

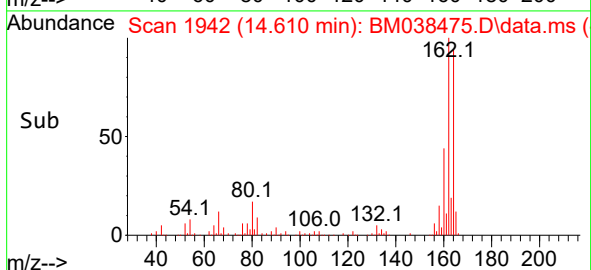
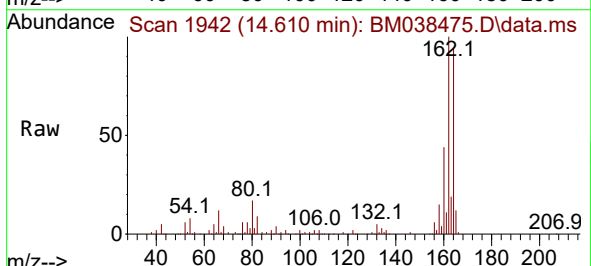
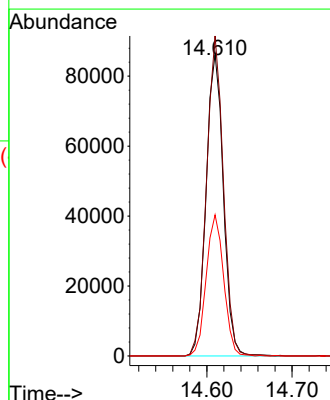
Tgt Ion: 164 Resp: 121245

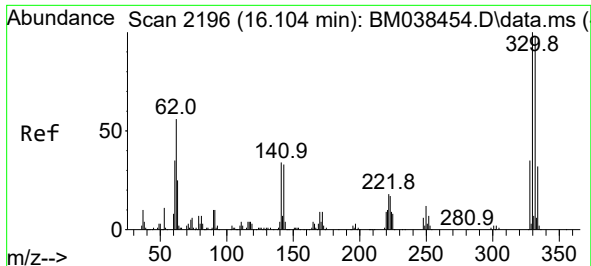
Ion Ratio Lower Upper

164 100

162 106.1 80.9 121.3

160 46.8 37.4 56.0

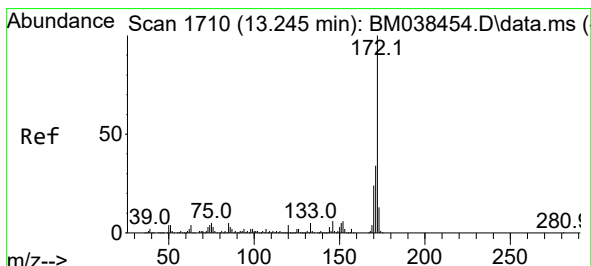
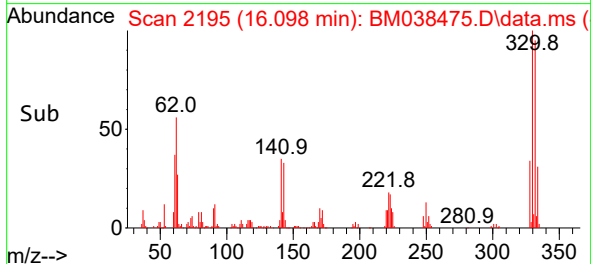
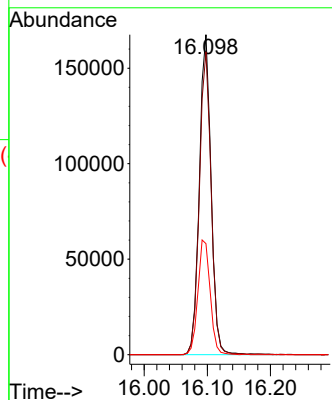
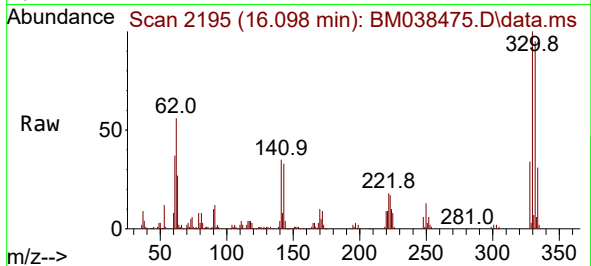




#42
2,4,6-Tribromophenol
Concen: 105.300 ng
RT: 16.098 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

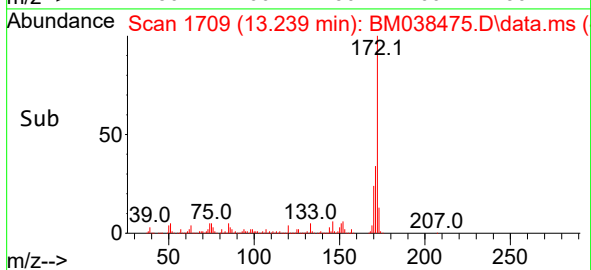
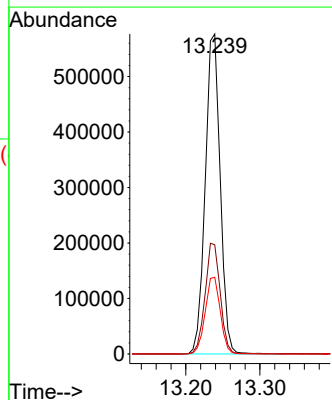
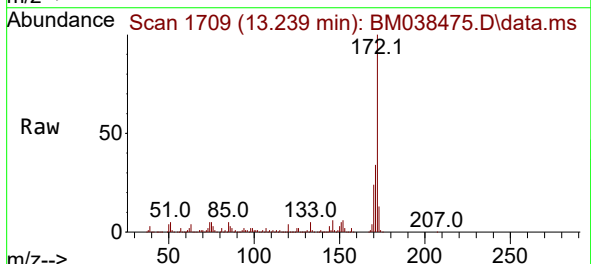
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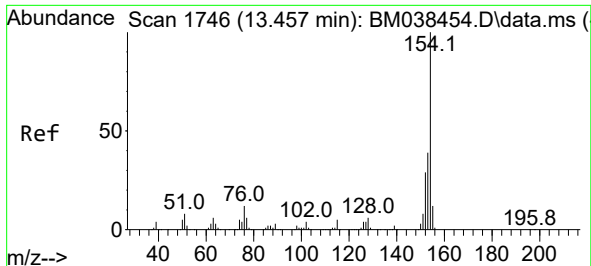
Tgt Ion:330 Resp: 215827
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.4
141 37.5 28.1 42.1



#45
2-Fluorobiphenyl
Concen: 83.259 ng
RT: 13.239 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion:172 Resp: 809451
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 23.9 19.0 28.6





#46

1,1'-Biphenyl

Concen: 0.141 ng

RT: 13.233 min Scan# 1

Delta R.T. -0.212 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

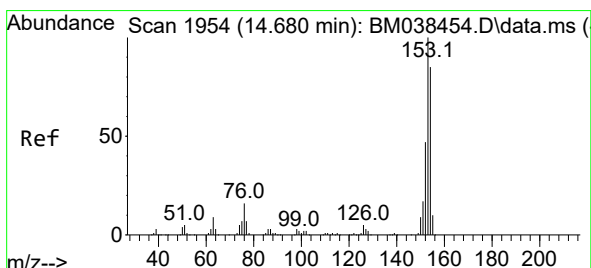
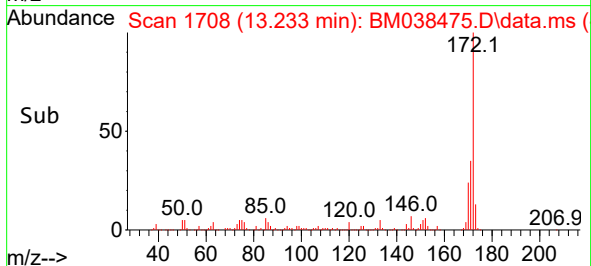
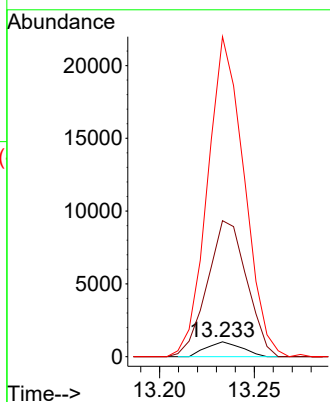
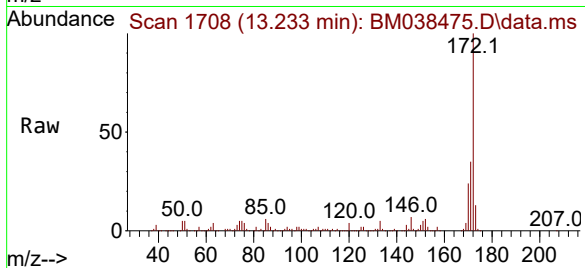
Tgt Ion:154 Resp: 1322

Ion Ratio Lower Upper

154 100

153 915.4 19.3 59.3#

76 2153.2 0.0 32.2#



#52

Acenaphthene

Concen: 0.044 ng

RT: 14.615 min Scan# 1943

Delta R.T. -0.059 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

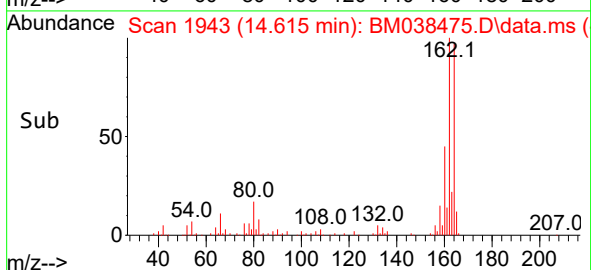
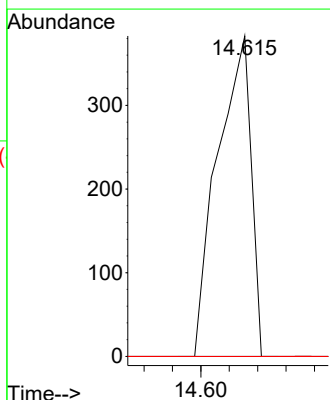
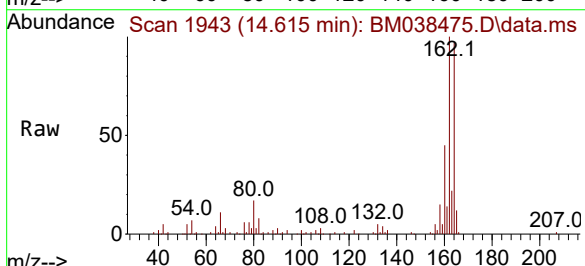
Tgt Ion:154 Resp: 313

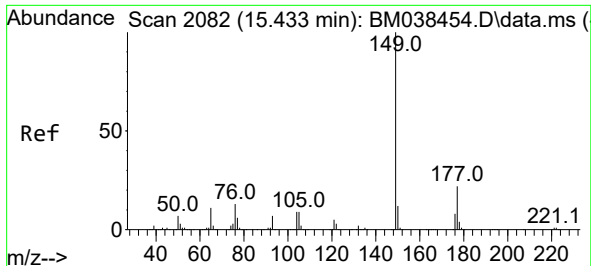
Ion Ratio Lower Upper

154 100

153 0.0 93.8 140.6#

152 0.0 44.2 66.4#

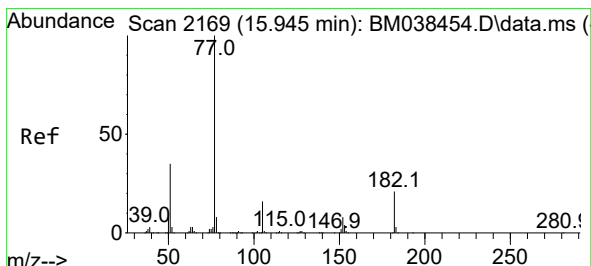
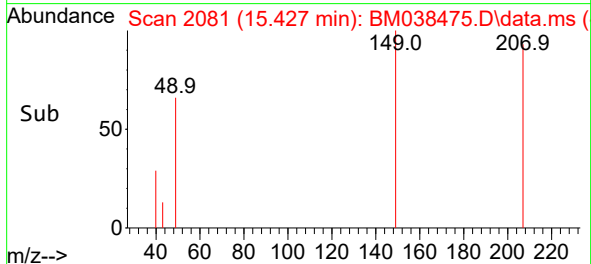
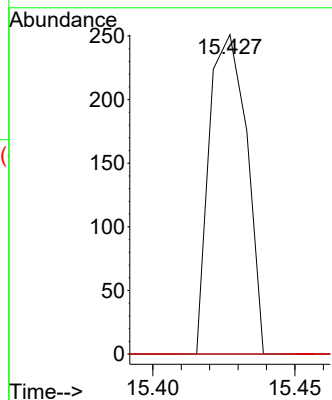
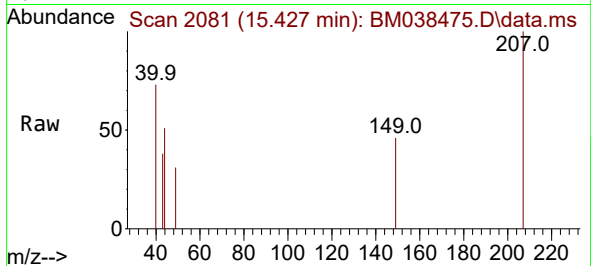




#60
Diethylphthalate
Concen: 0.023 ng
RT: 15.427 min Scan# 2082
Delta R.T. 0.006 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

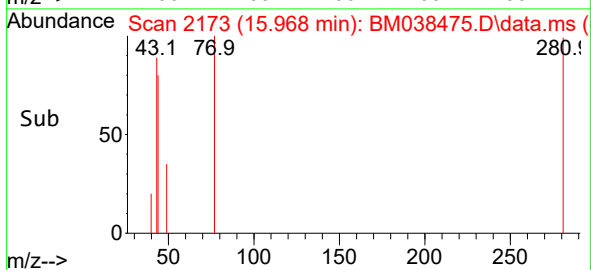
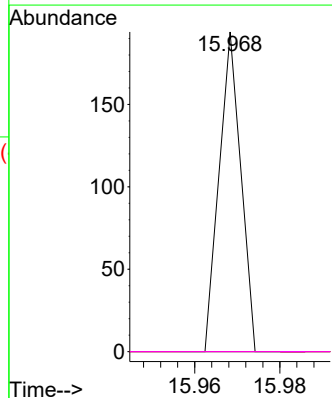
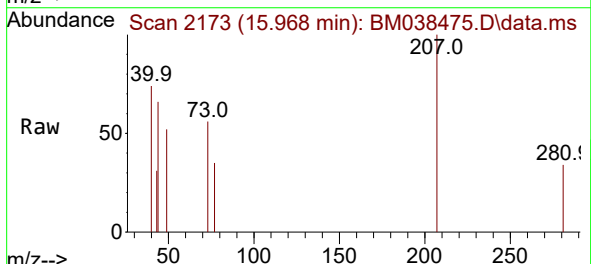
Instrument :
BNA_M
ClientSampleId :
PB150196BL

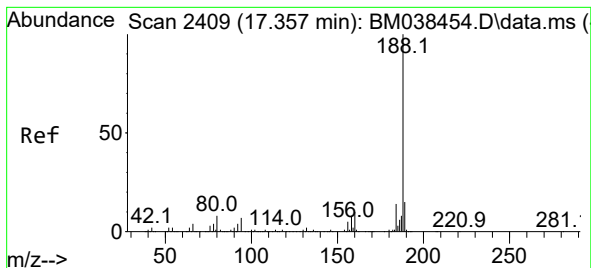
Tgt Ion:149 Resp: 230
Ion Ratio Lower Upper
149 100
177 0.0 17.8 26.6#
150 0.0 9.5 14.3#



#63
Azobenzene
Concen: 0.006 ng
RT: 15.968 min Scan# 2173
Delta R.T. 0.029 min
Lab File: BM038475.D
Acq: 18 Jan 2023 11:49

Tgt Ion: 77 Resp: 68
Ion Ratio Lower Upper
77 100
182 0.0 1.1 41.1#
105 0.0 0.0 36.4
51 0.0 15.0 55.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

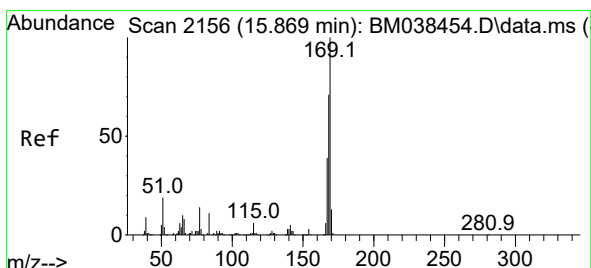
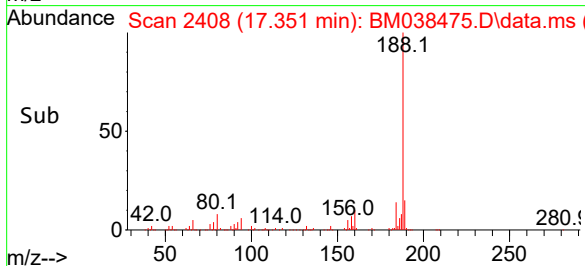
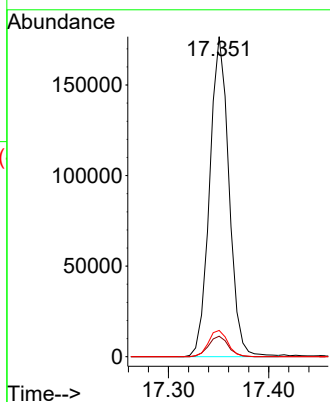
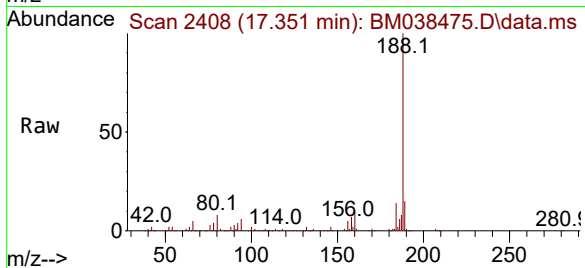
Tgt Ion:188 Resp: 237055

Ion Ratio Lower Upper

188 100

94 6.4 5.4 8.0

80 8.2 6.5 9.7



#66

n-Nitrosodiphenylamine

Concen: 1.024 ng

RT: 16.092 min Scan# 2194

Delta R.T. 0.229 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

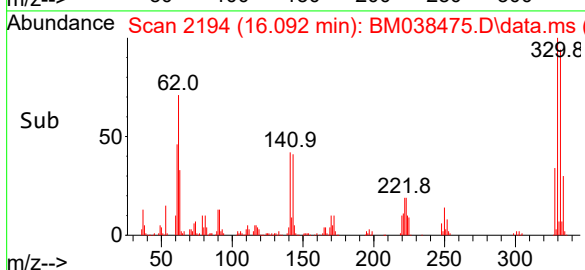
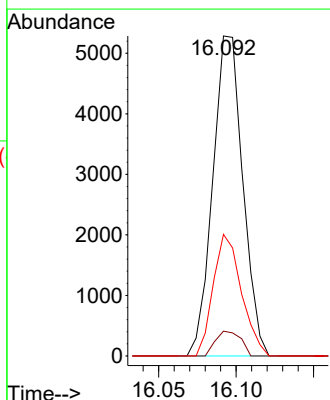
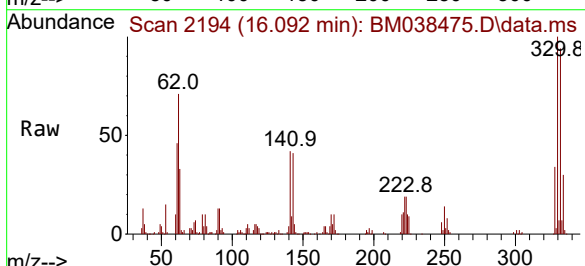
Tgt Ion:169 Resp: 7124

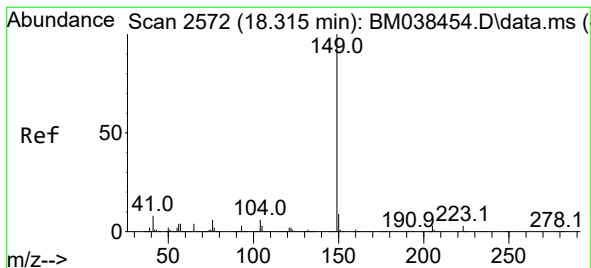
Ion Ratio Lower Upper

169 100

168 7.7 56.6 85.0#

167 38.0 31.1 46.7





#74

Di-n-butylphthalate

Concen: 0.044 ng

RT: 18.315 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM038475.D

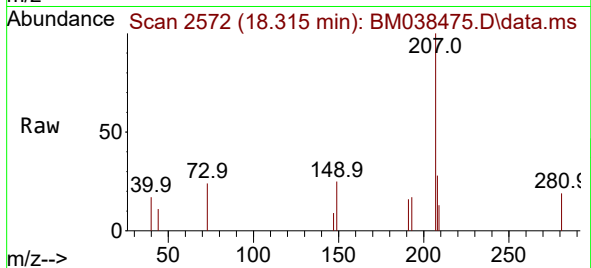
Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL



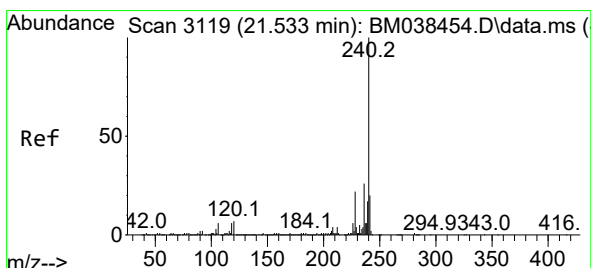
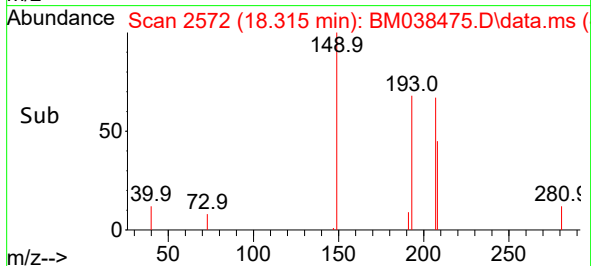
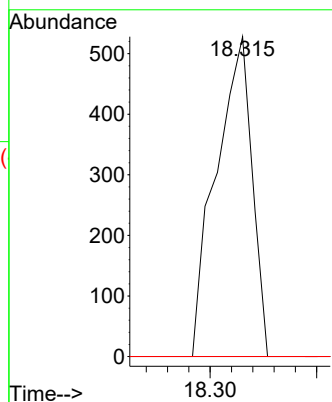
Tgt Ion:149 Resp: 619

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: BM038475.D

Acq: 18 Jan 2023 11:49

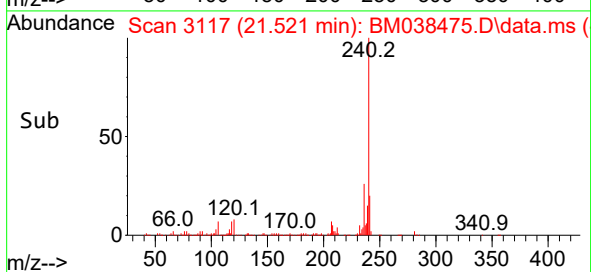
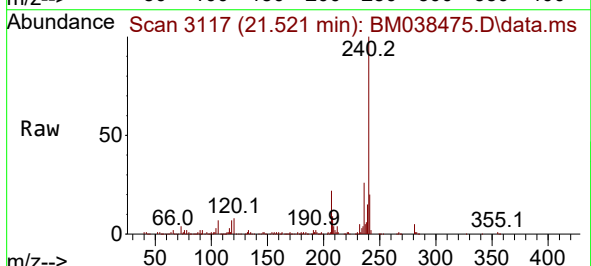
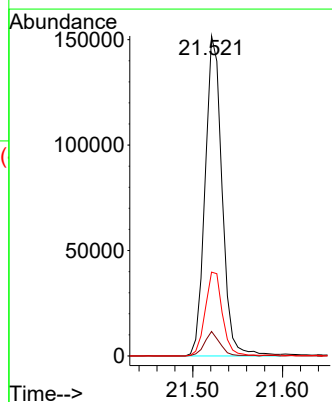
Tgt Ion:240 Resp: 199469

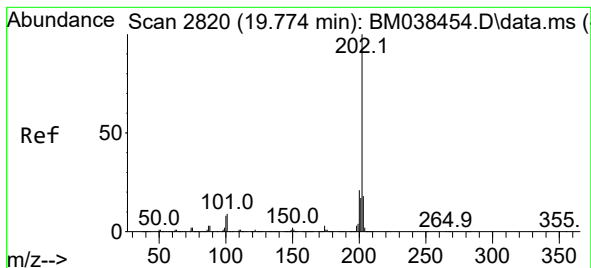
Ion Ratio Lower Upper

240 100

120 7.7 5.6 8.4

236 26.2 21.0 31.4





#78

Pyrene

Concen: 0.278 ng

RT: 19.962 min Scan# 2852

Delta R.T. 0.194 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

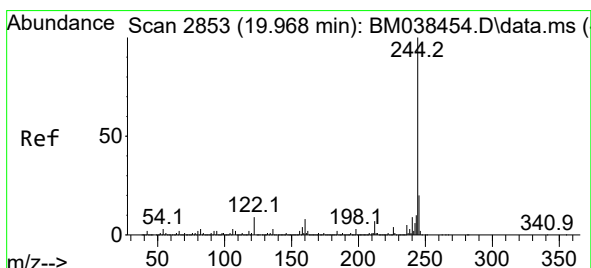
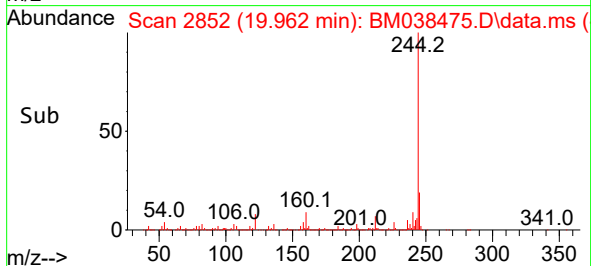
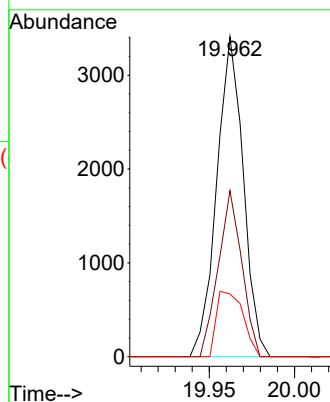
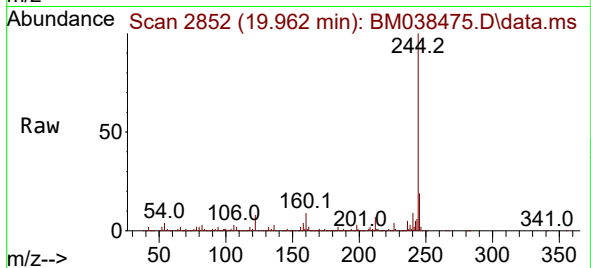
Tgt Ion:202 Resp: 3695

Ion Ratio Lower Upper

202 100

200 51.8 16.9 25.3#

203 19.6 14.2 21.2



#79

Terphenyl-d14

Concen: 102.722 ng

RT: 19.962 min Scan# 2852

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

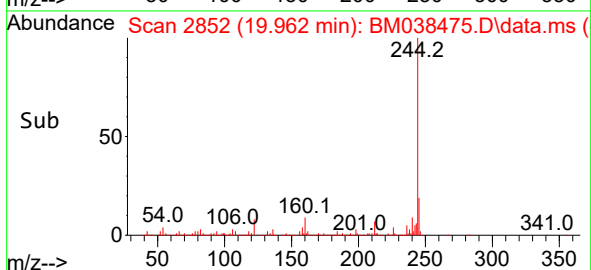
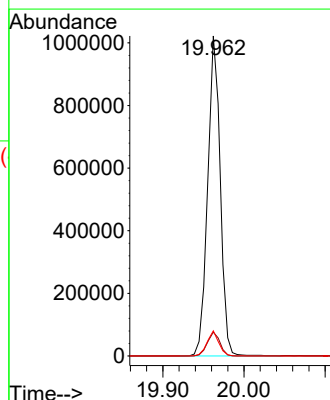
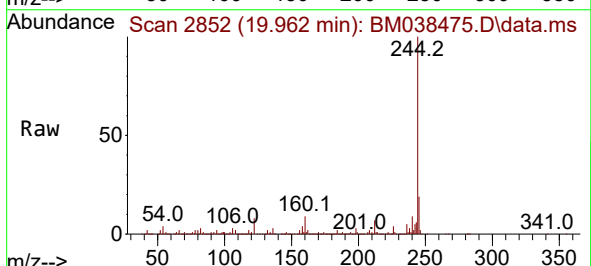
Tgt Ion:244 Resp: 1094522

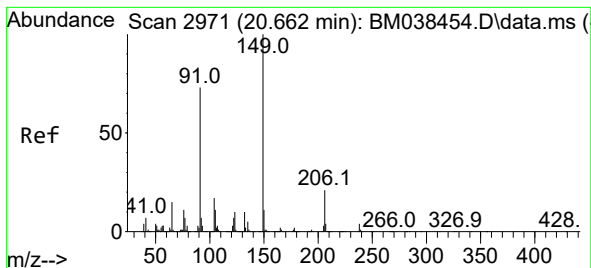
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

122 7.9 7.1 10.7





#80

Butylbenzylphthalate

Concen: 0.054 ng

RT: 20.656 min Scan# 2971

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

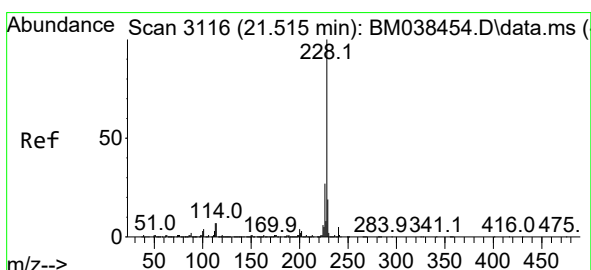
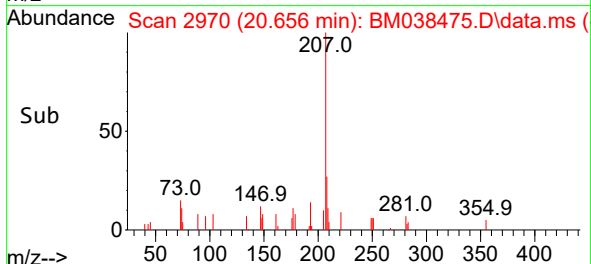
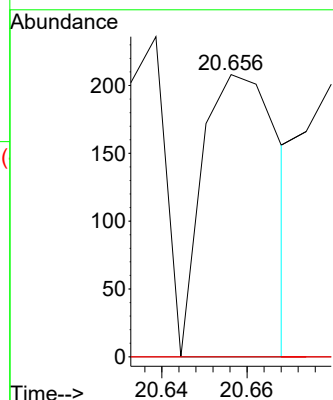
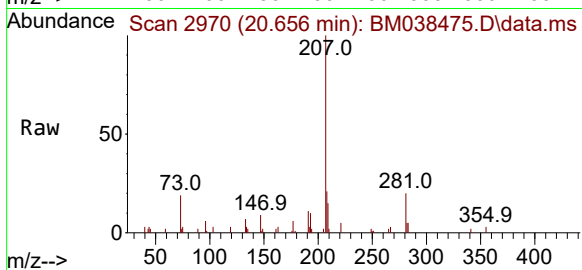
Tgt Ion:149 Resp: 260

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: 0.037 ng

RT: 21.527 min Scan# 3118

Delta R.T. 0.018 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

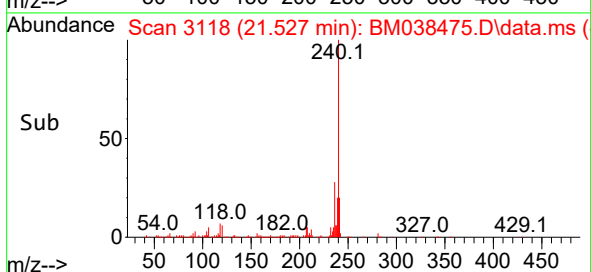
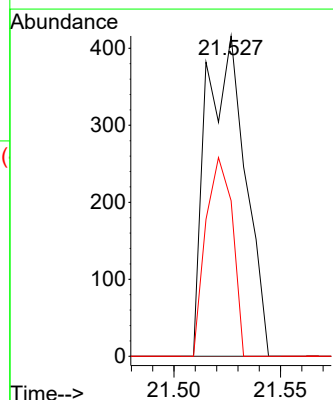
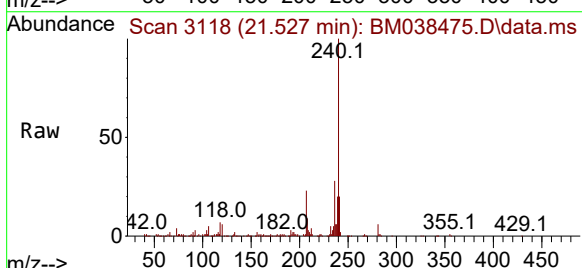
Tgt Ion:228 Resp: 529

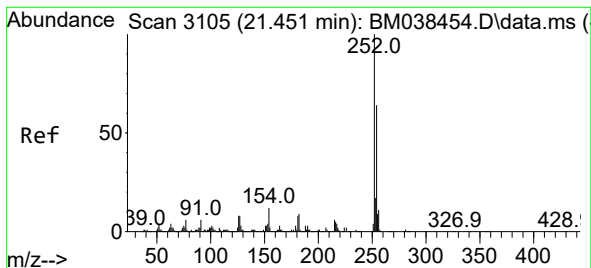
Ion Ratio Lower Upper

228 100

226 0.0 22.0 33.0#

229 48.6 15.4 23.0#





#82

3,3'-Dichlorobenzidine

Concen: 0.012 ng

RT: 21.444 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

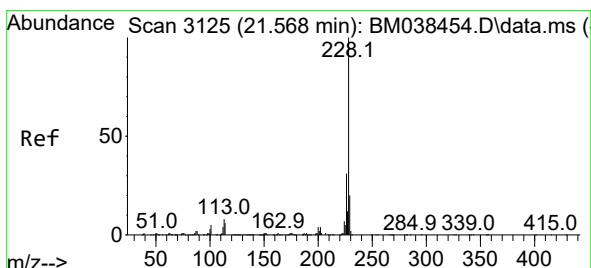
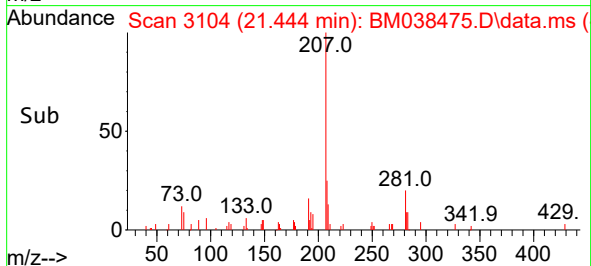
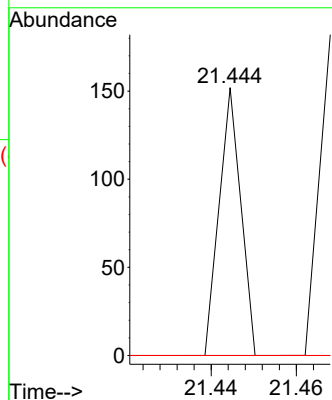
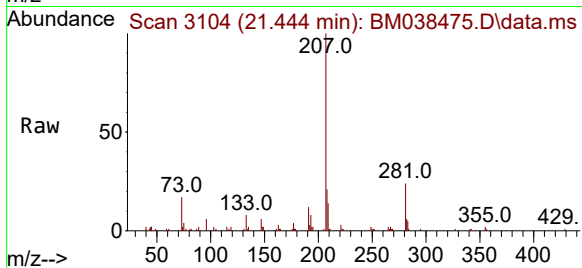
Tgt Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

254 0.0 51.2 76.8#

126 0.0 6.3 9.5#



#83

Chrysene

Concen: 0.038 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.035 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

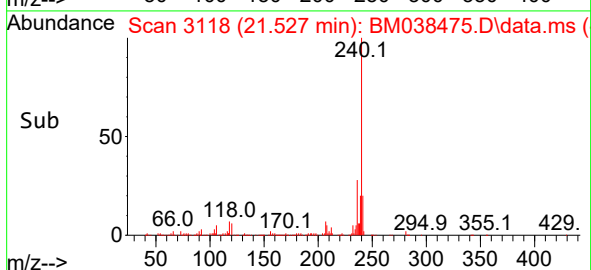
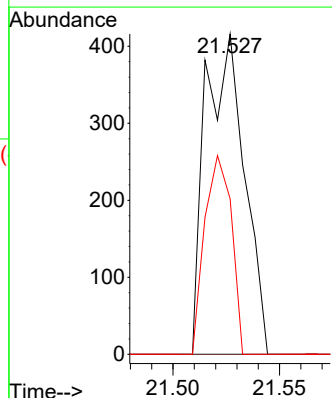
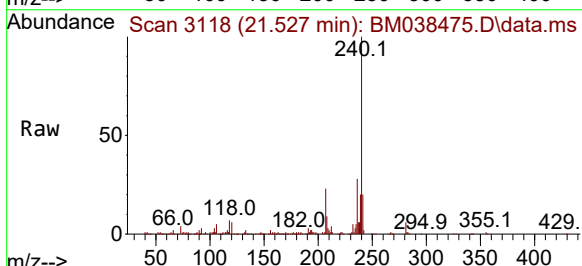
Tgt Ion:228 Resp: 529

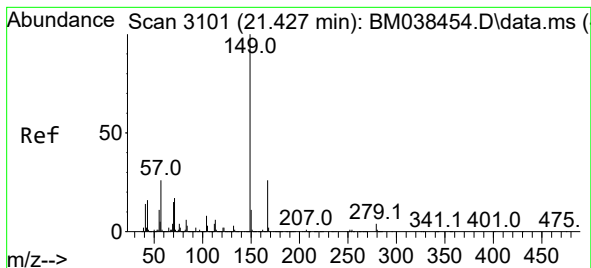
Ion Ratio Lower Upper

228 100

226 0.0 24.6 36.8#

229 48.6 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.096 ng

RT: 21.444 min Scan# 3104

Delta R.T. 0.024 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

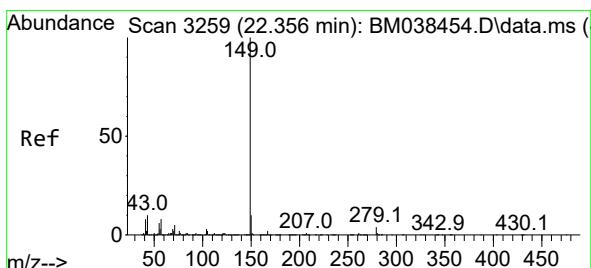
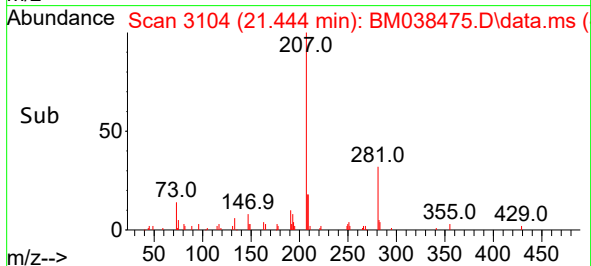
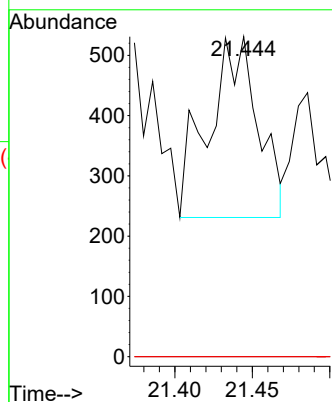
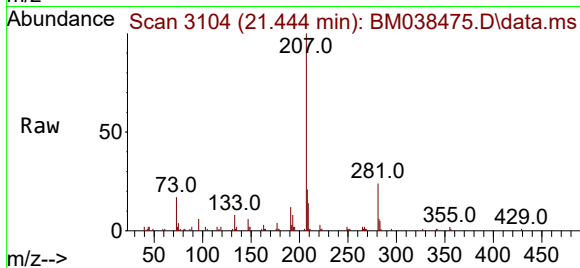
Tgt Ion:149 Resp: 668

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: 0.034 ng

RT: 22.338 min Scan# 3256

Delta R.T. -0.012 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

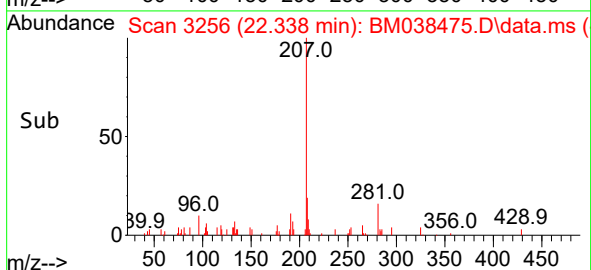
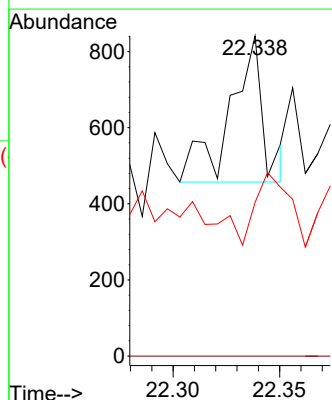
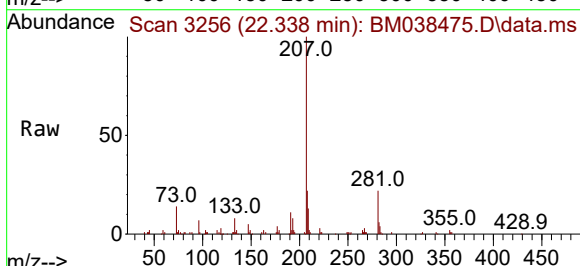
Tgt Ion:149 Resp: 418

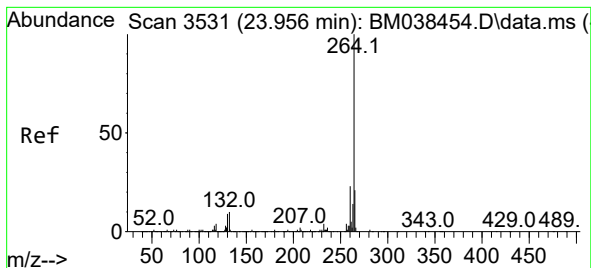
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 50.5 8.4 12.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

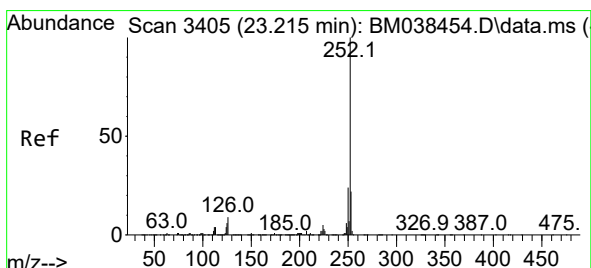
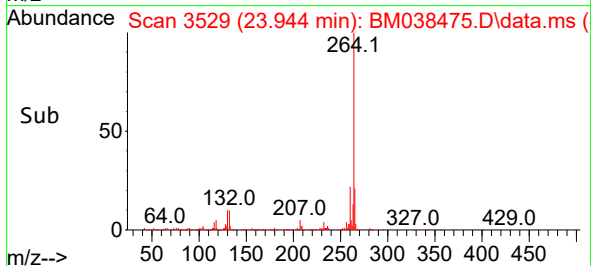
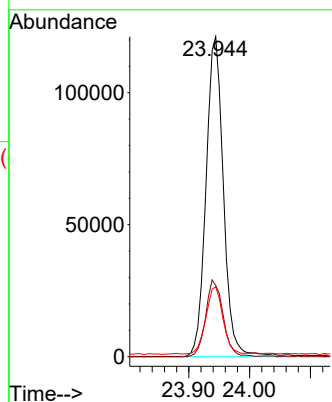
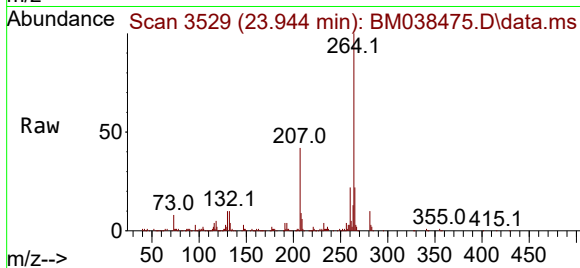
Tgt Ion:264 Resp: 240765

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 21.8 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 0.015 ng

RT: 23.209 min Scan# 3404

Delta R.T. 0.006 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

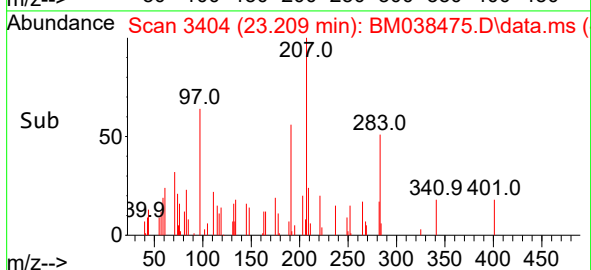
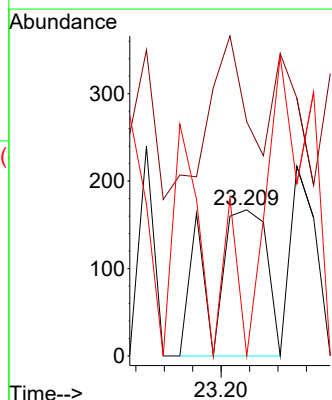
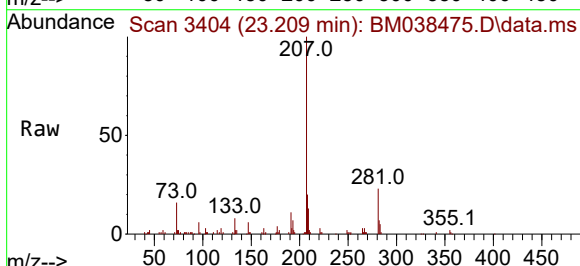
Tgt Ion:252 Resp: 227

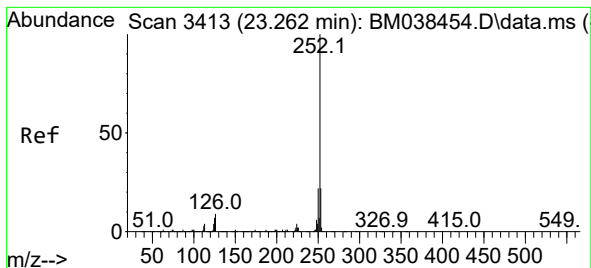
Ion Ratio Lower Upper

252 100

253 160.5 17.8 26.6#

125 0.0 5.1 7.7#





#89

Benzo(k)fluoranthene

Concen: 0.009 ng

RT: 23.244 min Scan# 3413

Delta R.T. -0.012 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Instrument :

BNA_M

ClientSampleId :

PB150196BL

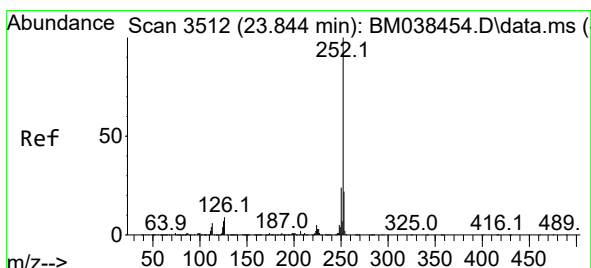
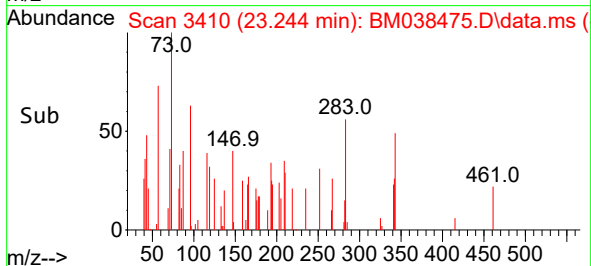
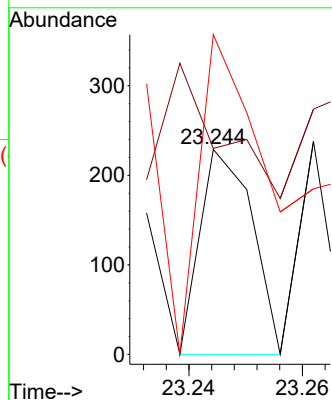
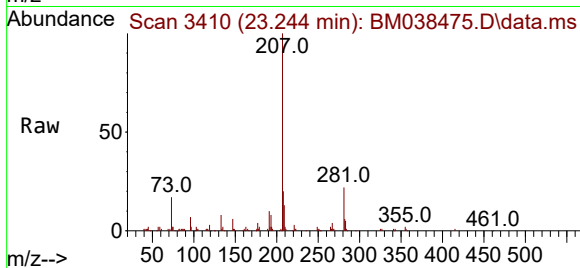
Tgt Ion:252 Resp: 146

Ion Ratio Lower Upper

252 100

253 100.4 17.6 26.4#

125 155.9 5.5 8.3#



#90

Benzo(a)pyrene

Concen: 0.010 ng

RT: 23.838 min Scan# 3511

Delta R.T. 0.000 min

Lab File: BM038475.D

Acq: 18 Jan 2023 11:49

Tgt Ion:252 Resp: 142

Ion Ratio Lower Upper

252 100

253 146.1 17.6 26.4#

125 0.0 5.8 8.8#

