

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011923\
 Data File : BM038486.D
 Acq On : 19 Jan 2023 12:42
 Operator : CG/JU
 Sample : PB150215BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150215BL

Quant Time: Jan 20 02:45:48 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)

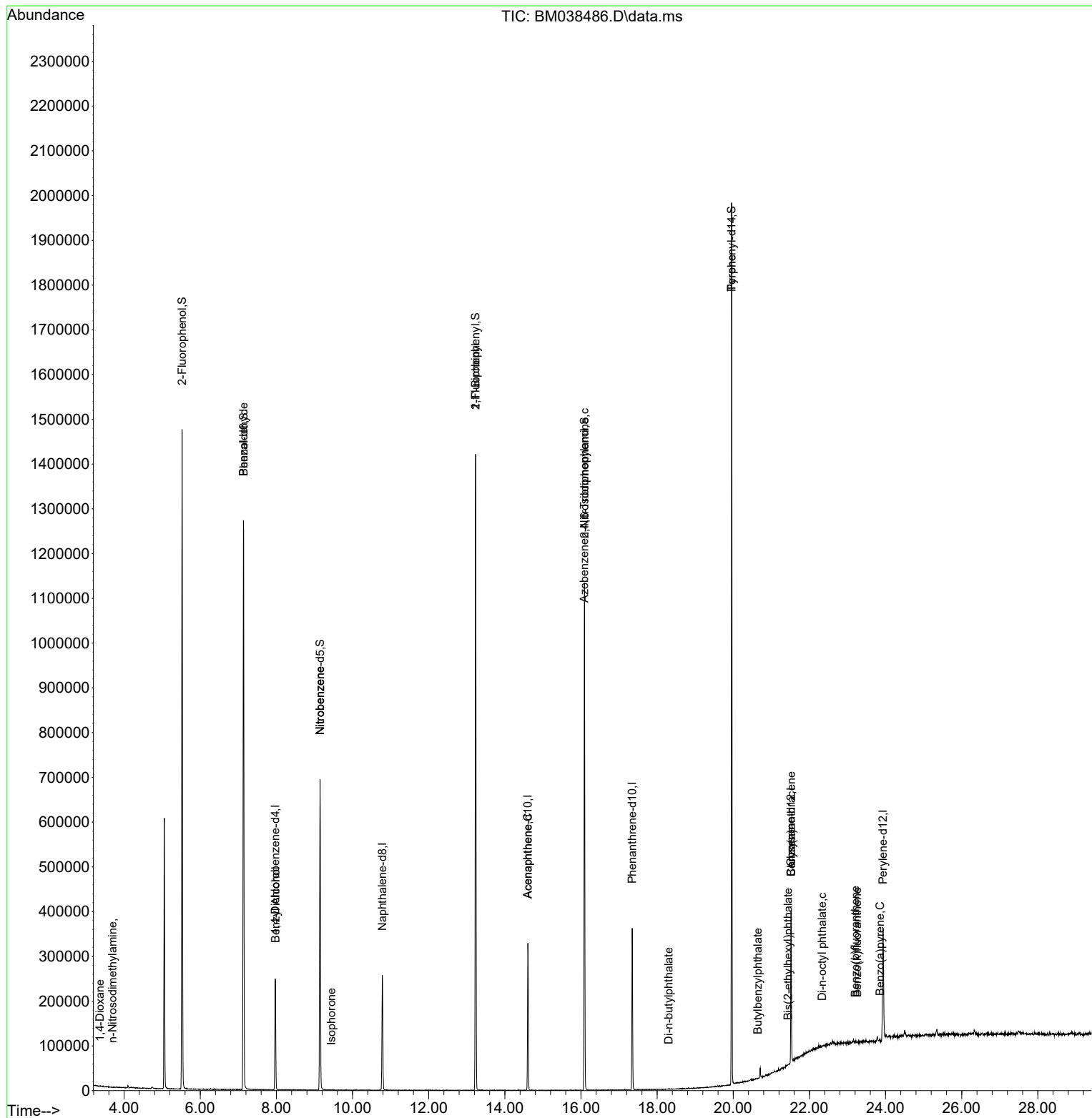
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	53260	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	178575	20.000	ng	# 0.00
39) Acenaphthene-d10	14.604	164	96168	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	192525	20.000	ng	0.00
76) Chrysene-d12	21.515	240	151640	20.000	ng	-0.01
86) Perylene-d12	23.933	264	184743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	447232	128.090	ng	0.00
7) Phenol-d6	7.134	99	534719	119.554	ng	0.00
23) Nitrobenzene-d5	9.145	82	354647	80.919	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	150435	92.534	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	605236	78.487	ng	0.00
79) Terphenyl-d14	19.956	244	762041	94.076	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.363	88	55	0.034	ng	# 1
4) n-Nitrosodimethylamine	3.693	42	137	0.050	ng	# 1
9) Benzaldehyde	7.134	77	1647	0.551	ng	# 7
15) Benzyl Alcohol	7.975	79	2084	0.582	ng	# 28
24) Nitrobenzene	9.145	77	1745	0.377	ng	# 50
25) Isophorone	9.439	82	63	0.008	ng	# 70
46) 1,1'-Biphenyl	13.233	154	1195	0.160	ng	# 1
52) Acenaphthene	14.604	154	400	0.071	ng	# 3
63) Azobenzene	16.086	77	1568	0.178	ng	# 23
66) n-Nitrosodiphenylamine	16.092	169	5315	0.941	ng	# 47
74) Di-n-butylphthalate	18.304	149	304	0.027	ng	# 78
78) Pyrene	19.956	202	2779	0.275	ng	# 66
80) Butylbenzylphthalate	20.645	149	177	0.048	ng	# 22
81) Benzo(a)anthracene	21.521	228	271	0.025	ng	# 52
83) Chrysene	21.521	228	271	0.026	ng	# 49
84) Bis(2-ethylhexyl)phtha...	21.439	149	587	0.111	ng	# 54
85) Di-n-octyl phthalate	22.333	149	179	0.019	ng	# 1
88) Benzo(b)fluoranthene	23.203	252	58	0.005	ng	# 1
89) Benzo(k)fluoranthene	23.256	252	55	0.005	ng	# 1
90) Benzo(a)pyrene	23.856	252	134	0.012	ng	# 1

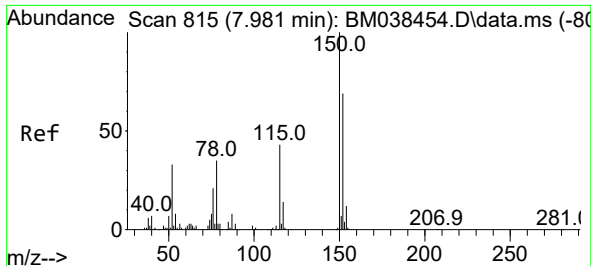
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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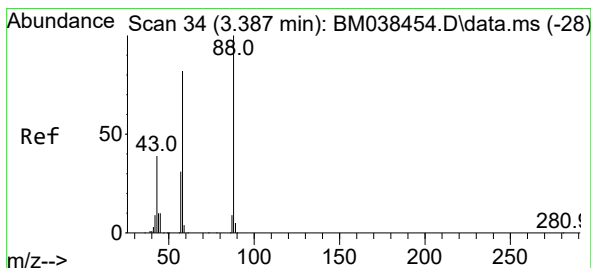
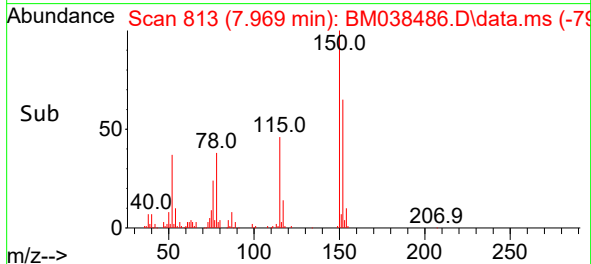
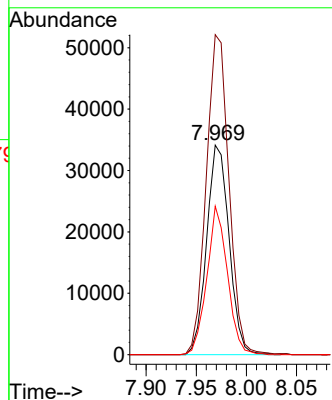
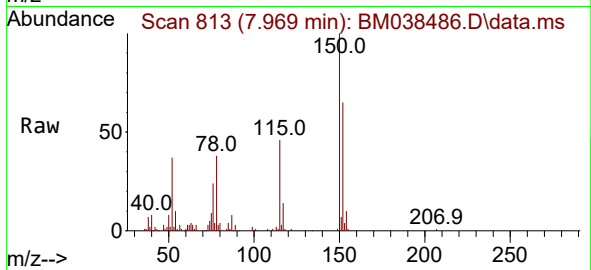




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.969 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

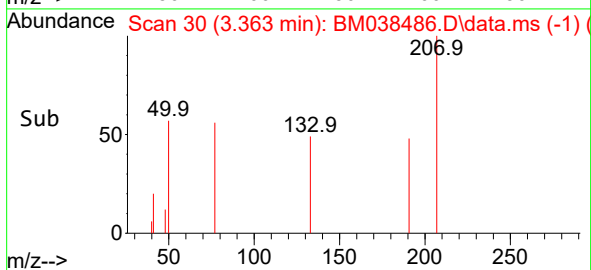
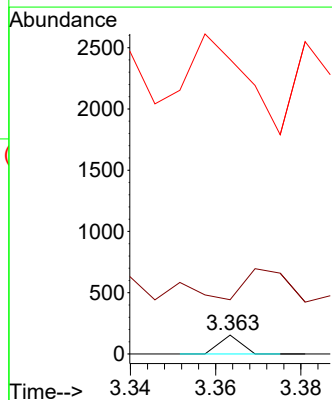
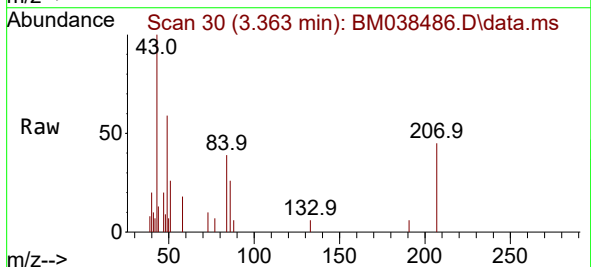
Instrument :
BNA_M
ClientSampleId :
PB150215BL

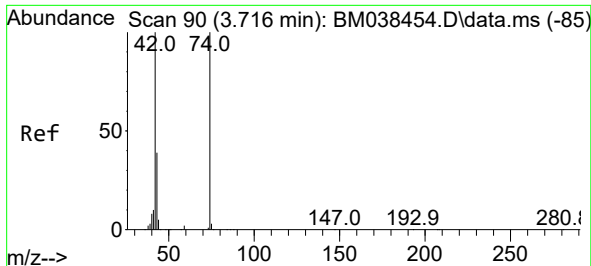
Tgt Ion:152 Resp: 53260
Ion Ratio Lower Upper
152 100
150 152.7 116.0 174.0
115 70.8 49.4 74.2



#2
1,4-Dioxane
Concen: 0.034 ng
RT: 3.363 min Scan# 30
Delta R.T. -0.017 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
58 340.0 64.3 96.5#
43 1414.5 32.3 48.5#

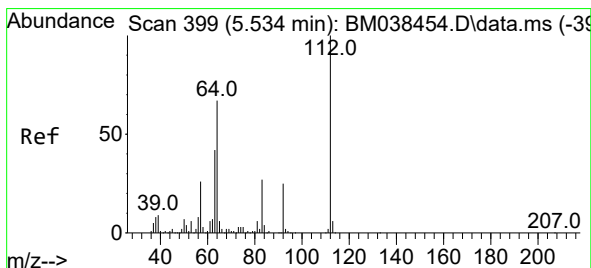
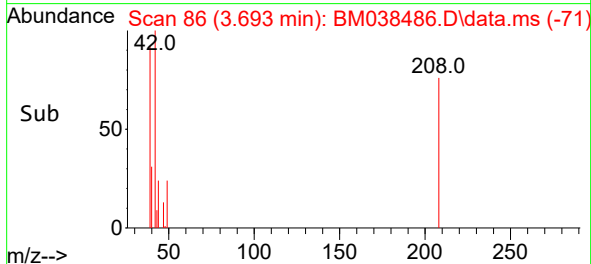
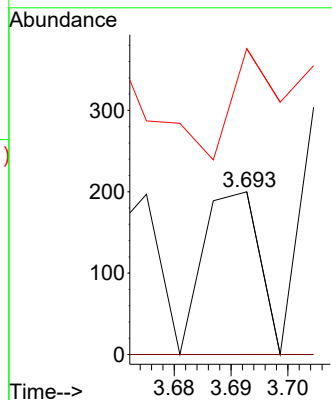
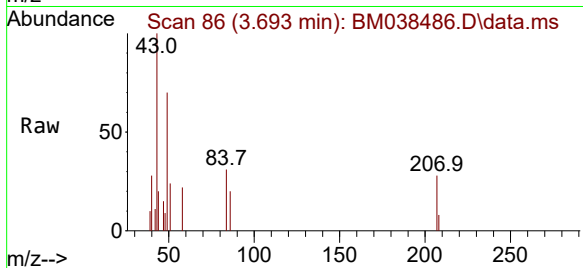




#4
n-Nitrosodimethylamine
Concen: 0.050 ng
RT: 3.693 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

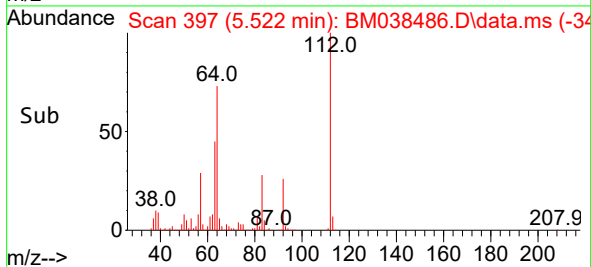
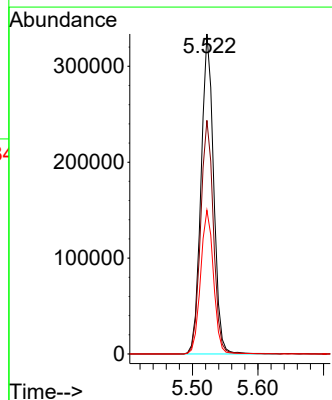
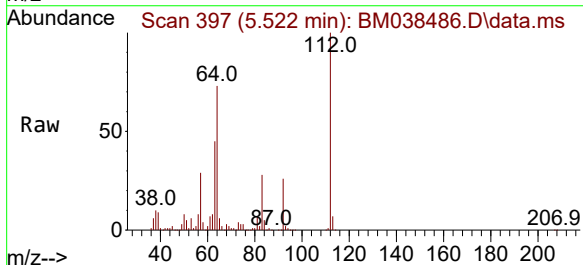
Instrument :
BNA_M
ClientSampleId :
PB150215BL

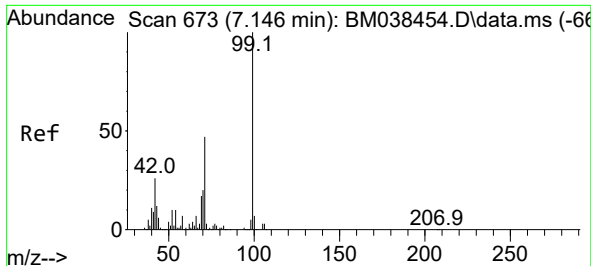
Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
74 0.0 79.7 119.5#
44 188.0 4.7 7.1#



#5
2-Fluorophenol
Concen: 128.090 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 112 Resp: 447232
Ion Ratio Lower Upper
112 100
64 73.0 53.7 80.5
63 44.9 33.7 50.5

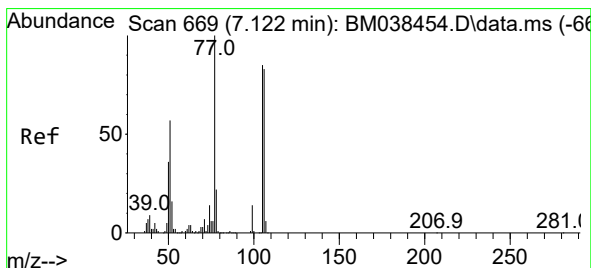
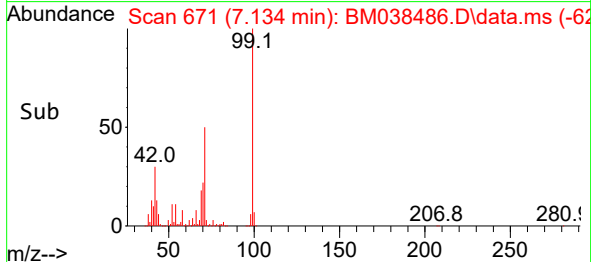
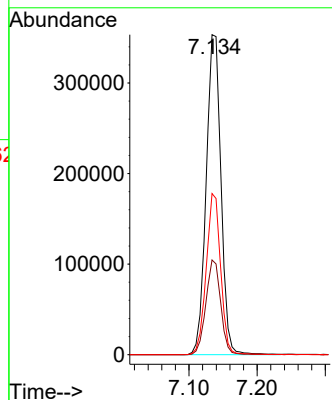
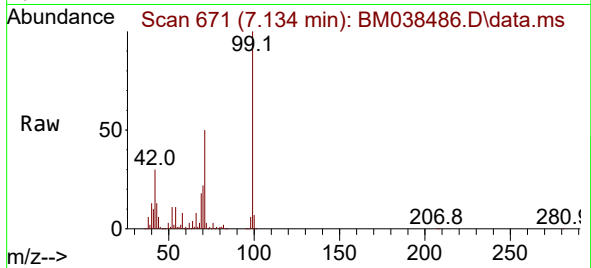




#7
Phenol-d6
Concen: 119.554 ng
RT: 7.134 min Scan# 671
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

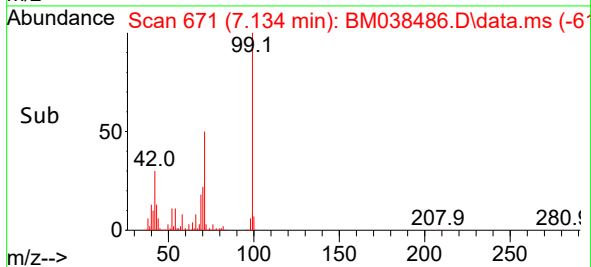
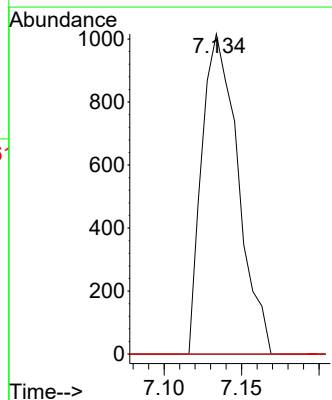
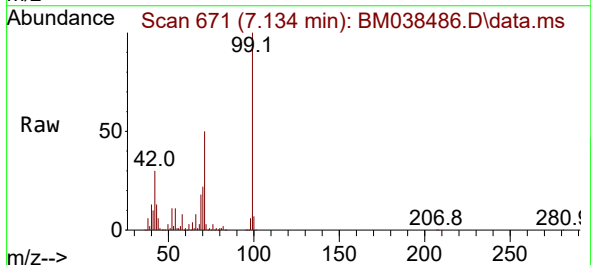
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BNA_M
ClientSampleId :
PB150215BL

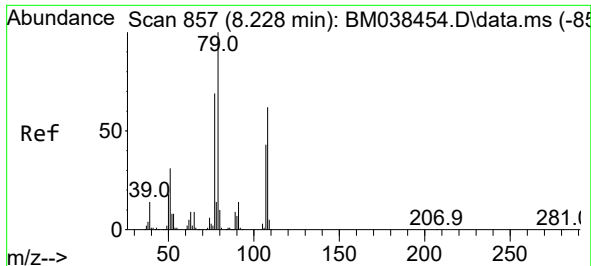
Tgt Ion: 99 Resp: 534719
Ion Ratio Lower Upper
99 100
42 29.6 20.8 31.2
71 50.3 37.8 56.8



#9
Benzaldehyde
Concen: 0.551 ng
RT: 7.134 min Scan# 671
Delta R.T. 0.018 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 77 Resp: 1647
Ion Ratio Lower Upper
77 100
105 0.0 65.3 105.3#
106 0.0 62.5 102.5#

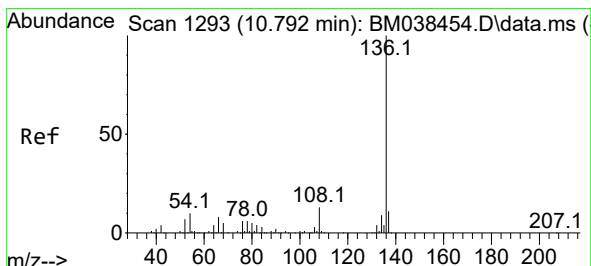
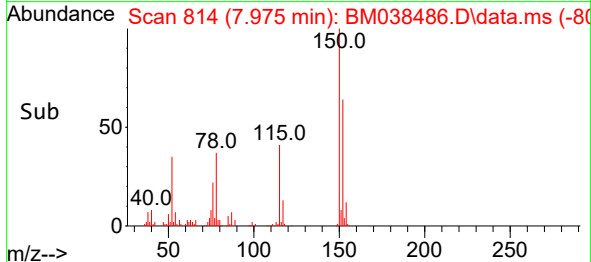
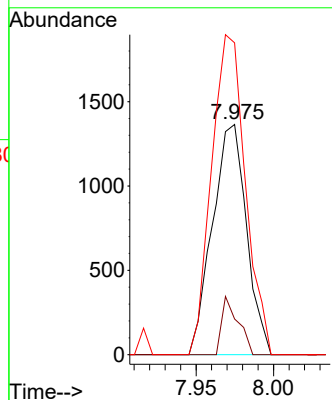
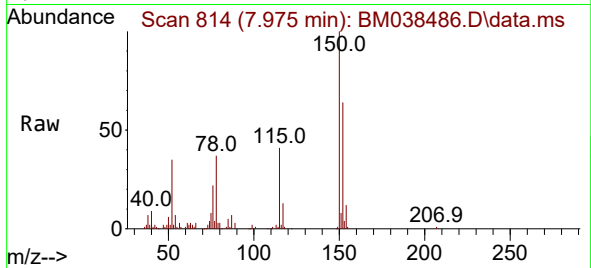




#15
Benzyl Alcohol
Concen: 0.582 ng
RT: 7.975 min Scan# 81
Delta R.T. -0.247 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

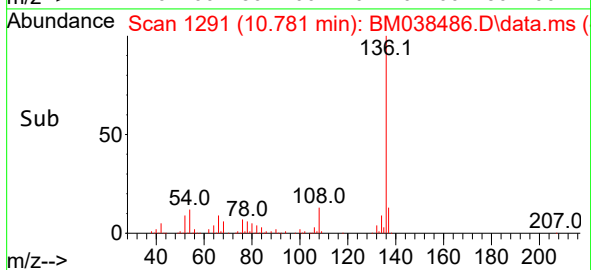
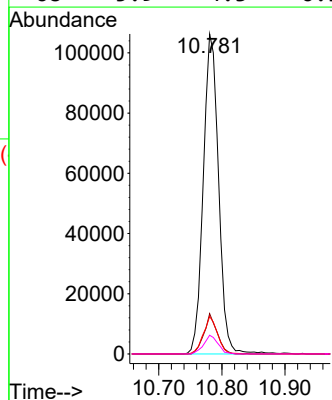
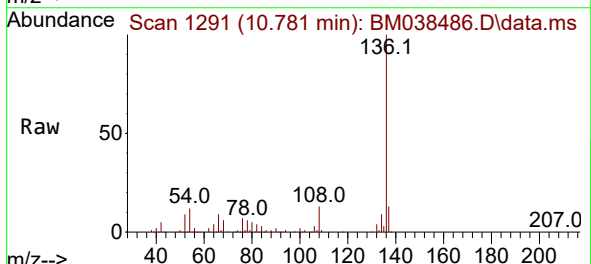
Instrument :
BNA_M
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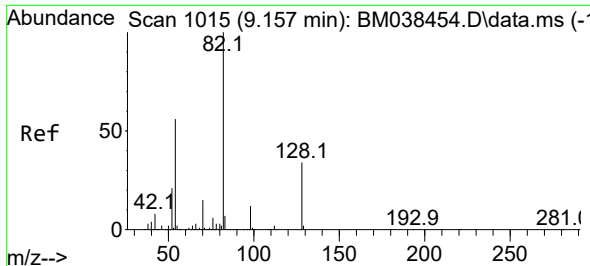
Tgt Ion: 79 Resp: 2084
Ion Ratio Lower Upper
79 100
108 15.5 49.3 73.9#
77 135.5 55.1 82.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 136 Resp: 178575
Ion Ratio Lower Upper
136 100
137 12.6 9.0 13.4
54 11.7 7.6 11.4#
68 5.9 4.3 6.5

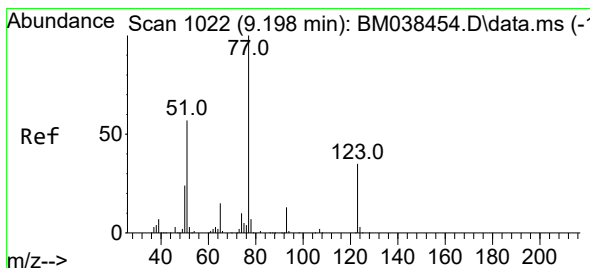
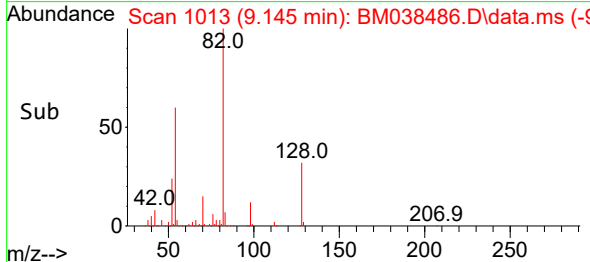
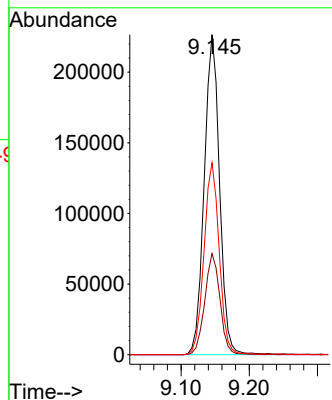
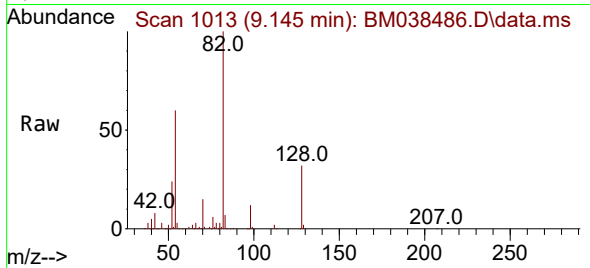




#23
Nitrobenzene-d5
Concen: 80.919 ng
RT: 9.145 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

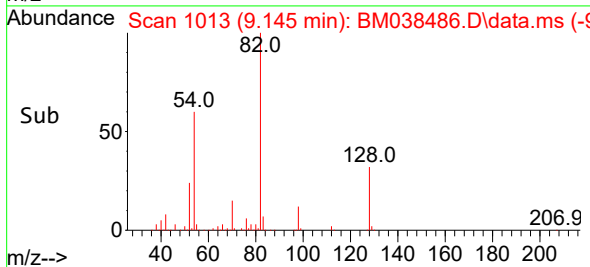
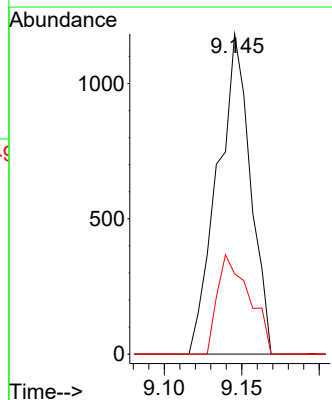
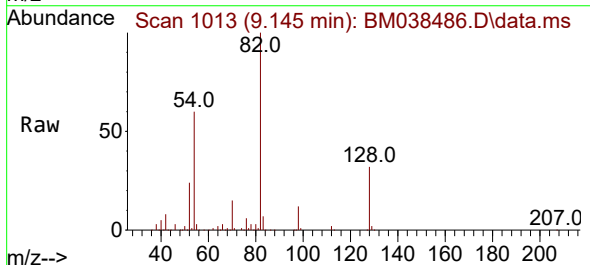
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ClientSampleId :
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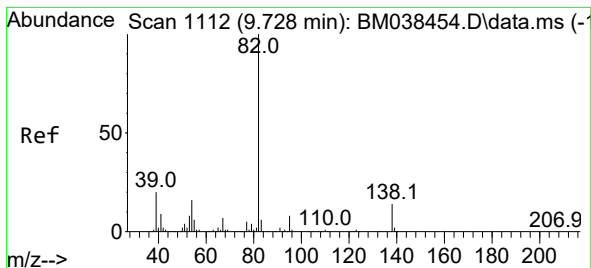
Tgt Ion: 82 Resp: 354647
Ion Ratio Lower Upper
82 100
128 31.6 27.0 40.6
54 60.0 45.0 67.6



#24
Nitrobenzene
Concen: 0.377 ng
RT: 9.145 min Scan# 1013
Delta R.T. -0.047 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 77 Resp: 1745
Ion Ratio Lower Upper
77 100
123 0.0 28.2 42.4#
65 25.1 12.1 18.1#





#25

Isophorone

Concen: 0.008 ng

RT: 9.439 min Scan# 1063

Delta R.T. -0.276 min

Lab File: BM038486.D

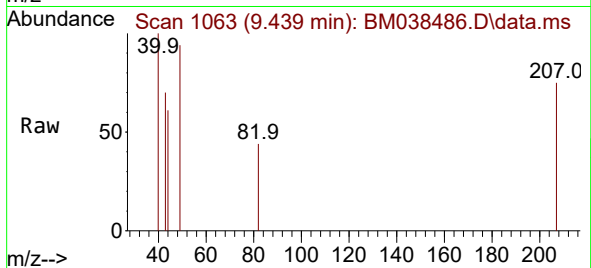
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Instrument :

BNA_M

ClientSampleId :

PB150215BL



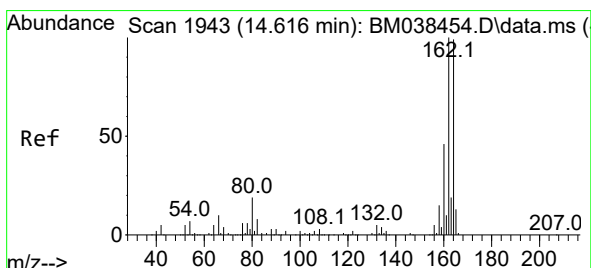
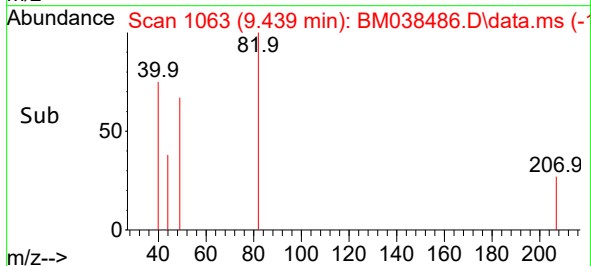
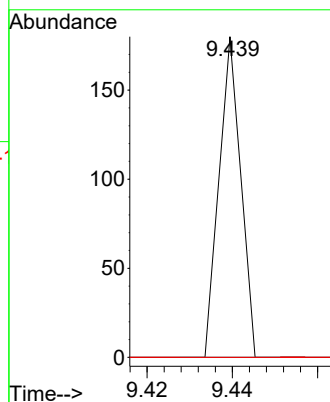
Tgt Ion: 82 Resp: 63

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: BM038486.D

Acq: 19 Jan 2023 12:42

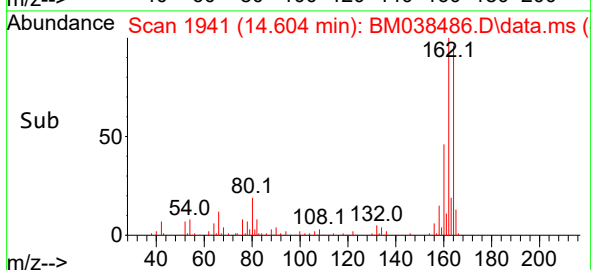
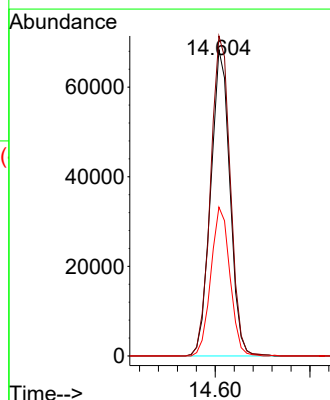
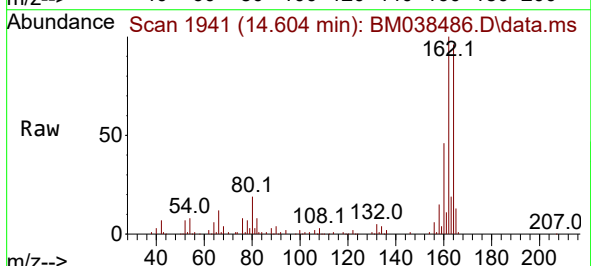
Tgt Ion: 164 Resp: 96168

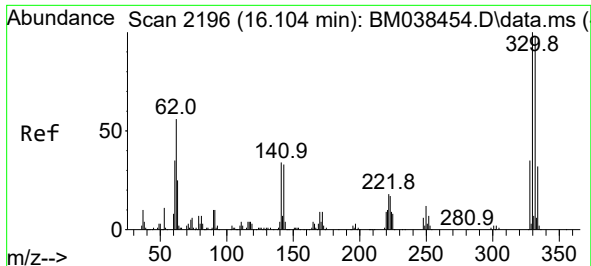
Ion Ratio Lower Upper

164 100

162 104.4 80.9 121.3

160 48.5 37.4 56.0

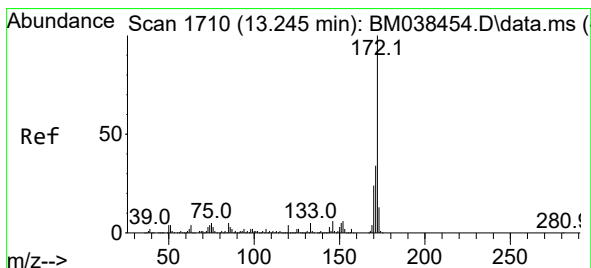
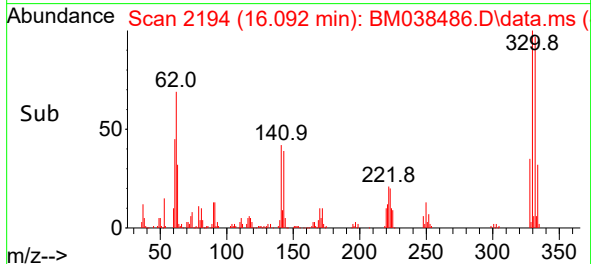
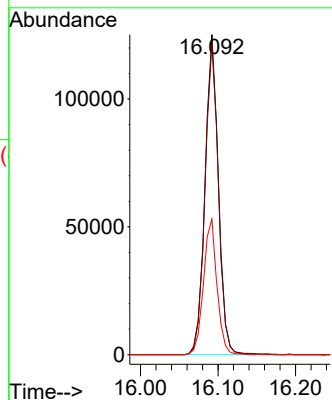
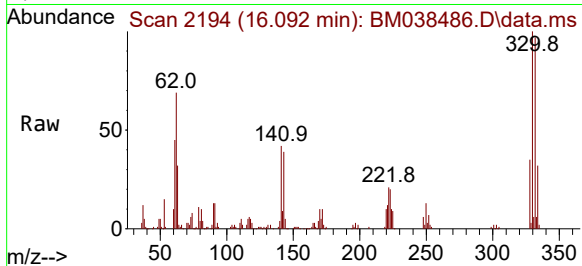




#42
2,4,6-Tribromophenol
Concen: 92.534 ng
RT: 16.092 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

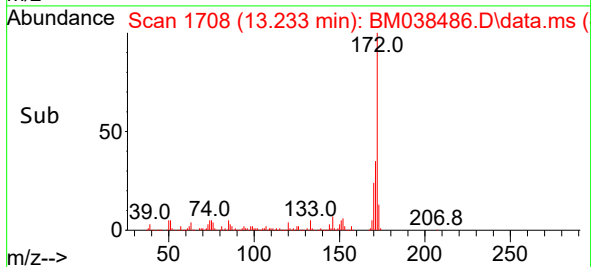
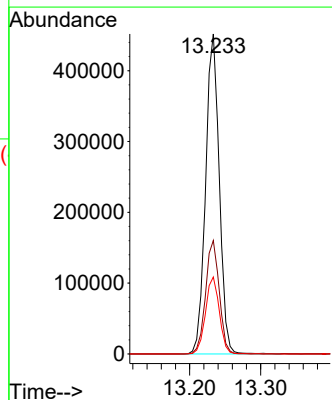
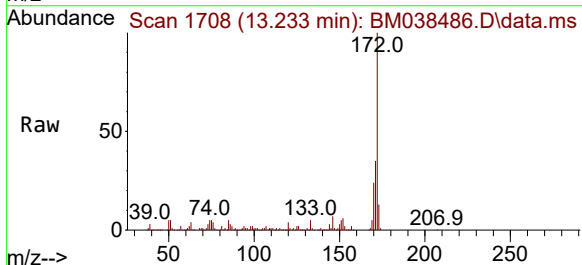
Instrument :
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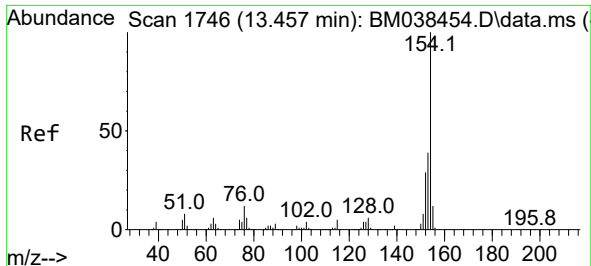
Tgt Ion:330 Resp: 150435
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 42.4 28.1 42.1#



#45
2-Fluorobiphenyl
Concen: 78.487 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion:172 Resp: 605236
Ion Ratio Lower Upper
172 100
171 35.4 27.5 41.3
170 24.1 19.0 28.6

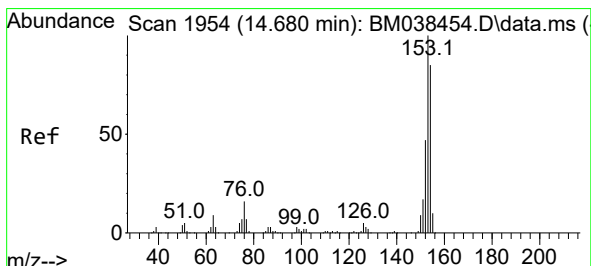
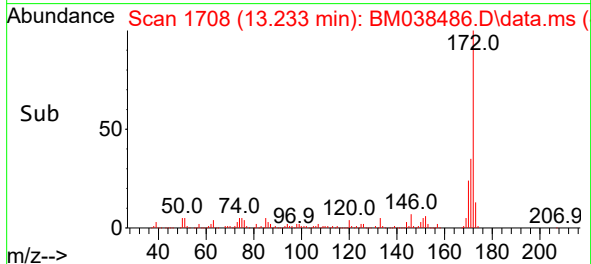
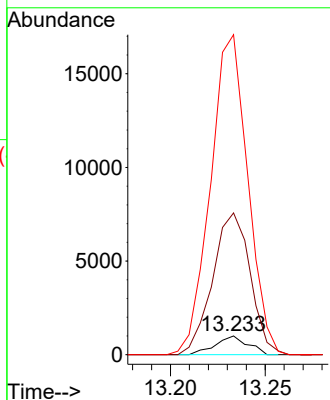
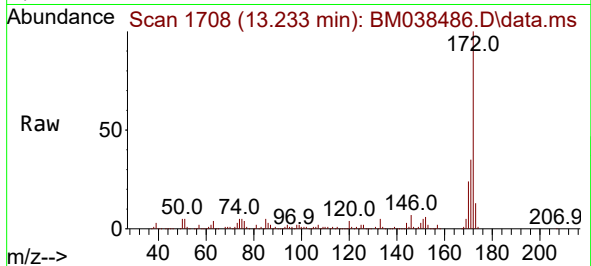




#46
1,1'-Biphenyl
Concen: 0.160 ng
RT: 13.233 min Scan# 1
Delta R.T. -0.212 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

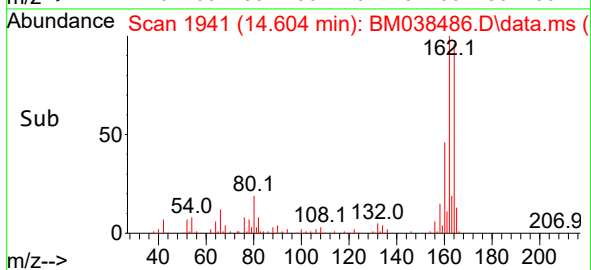
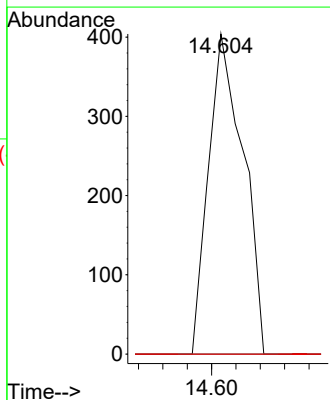
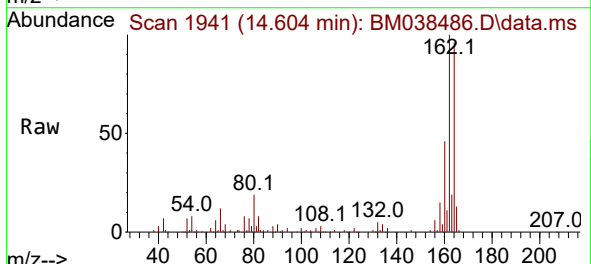
Instrument :
BNA_M
ClientSampleId :
PB150215BL

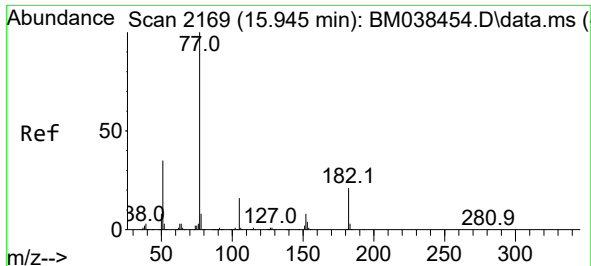
Tgt Ion:154 Resp: 1195
Ion Ratio Lower Upper
154 100
153 755.9 19.3 59.3#
76 1705.4 0.0 32.2#



#52
Acenaphthene
Concen: 0.071 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.070 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion:154 Resp: 400
Ion Ratio Lower Upper
154 100
153 0.0 93.8 140.6#
152 0.0 44.2 66.4#

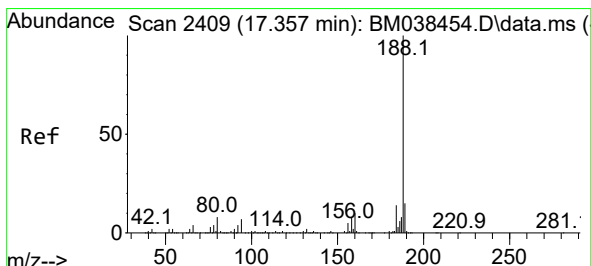
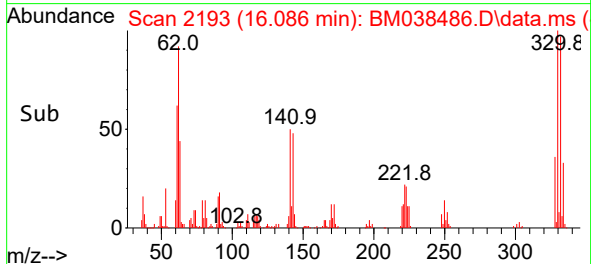
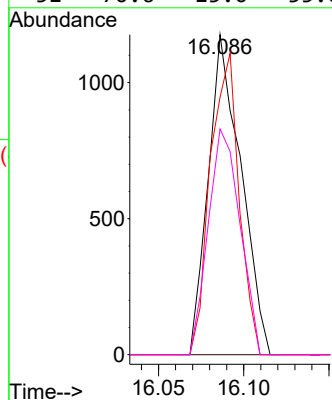
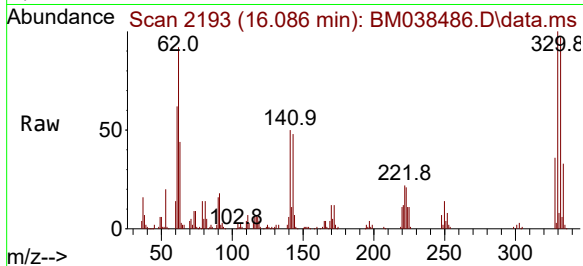




#63
Azobenzene
Concen: 0.178 ng
RT: 16.086 min Scan# 2169
Delta R.T. 0.147 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

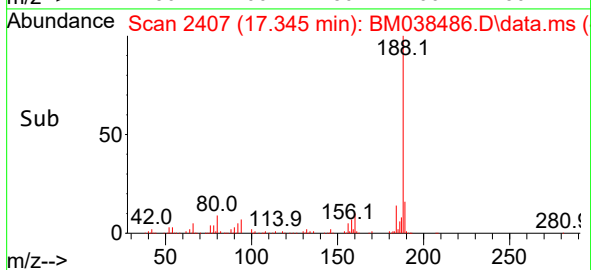
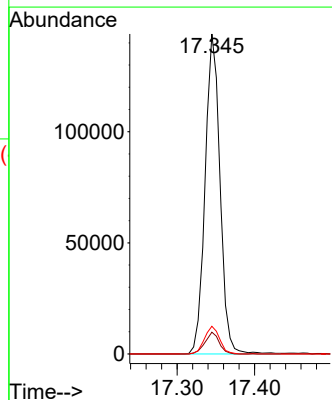
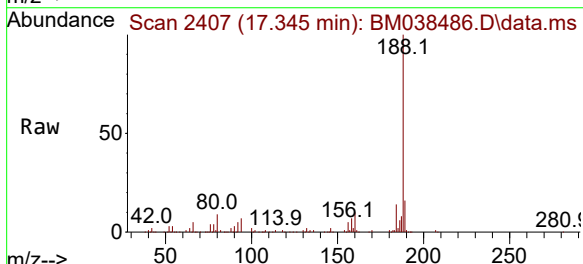
Instrument :
BNA_M
ClientSampleId :
PB150215BL

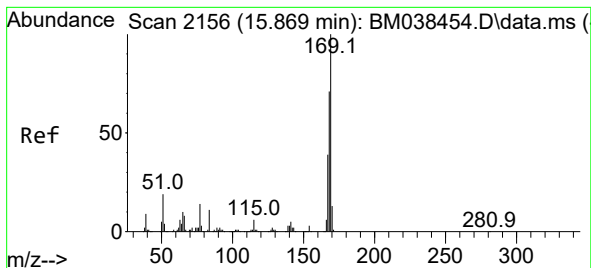
Tgt Ion: 77	Resp: 1568
Ion Ratio	Lower Upper
77 100	
182 0.0	1.1 41.1#
105 80.4	0.0 36.4#
51 70.6	15.0 55.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM038486.D
Acq: 19 Jan 2023 12:42

Tgt Ion: 188	Resp: 192525
Ion Ratio	Lower Upper
188 100	
94 6.8	5.4 8.0
80 8.6	6.5 9.7





#66

n-Nitrosodiphenylamine

Concen: 0.941 ng

RT: 16.092 min Scan# 21

Delta R.T. 0.230 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

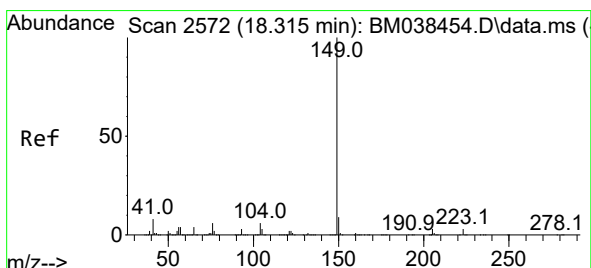
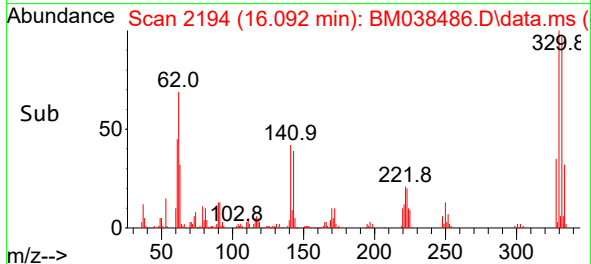
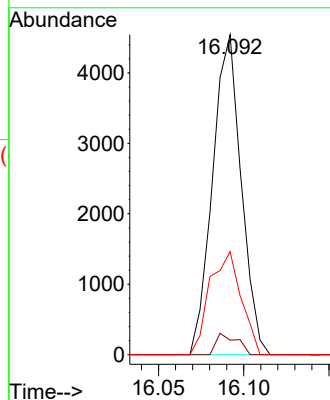
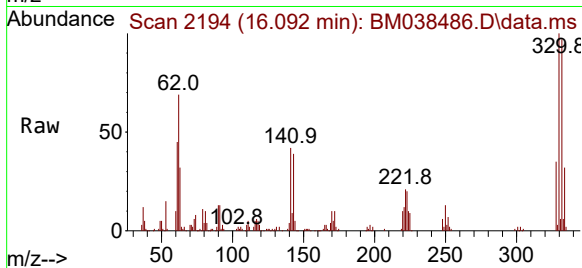
Tgt Ion:169 Resp: 5315

Ion Ratio Lower Upper

169 100

168 4.6 56.6 85.0#

167 36.8 31.1 46.7



#74

Di-n-butylphthalate

Concen: 0.027 ng

RT: 18.304 min Scan# 2570

Delta R.T. -0.006 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

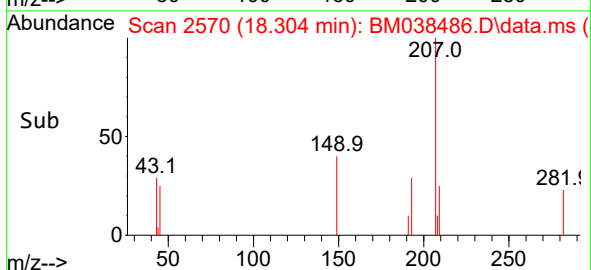
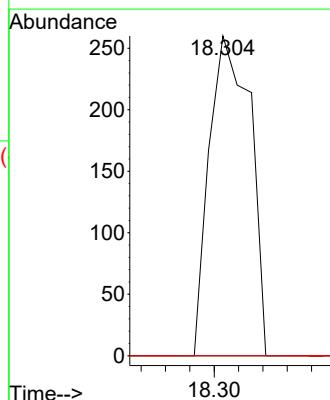
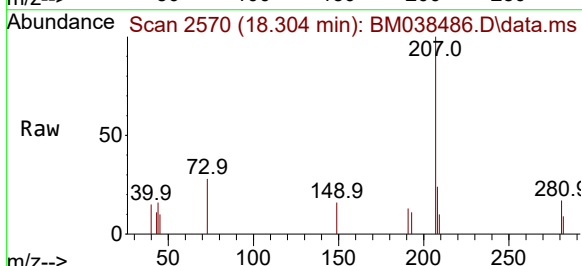
Tgt Ion:149 Resp: 304

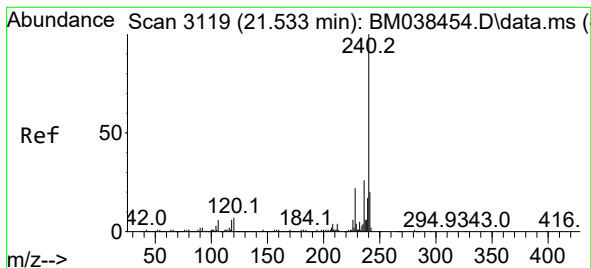
Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

104 0.0 4.7 7.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

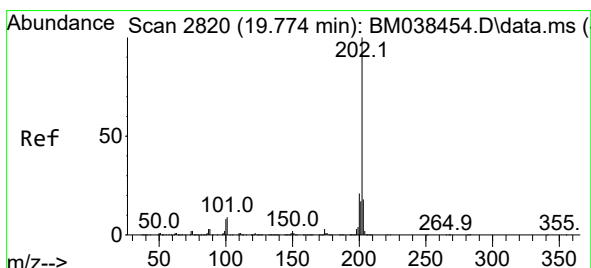
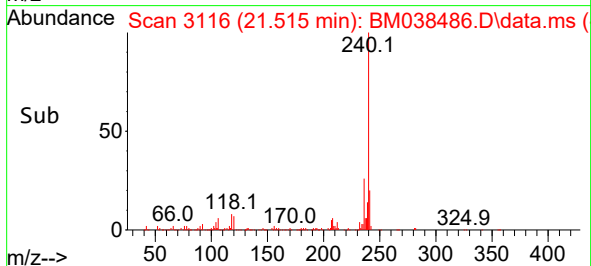
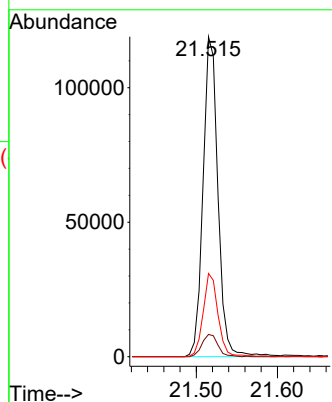
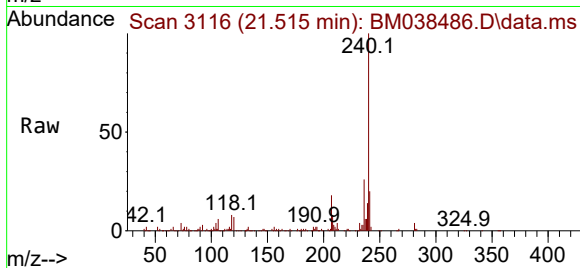
Tgt Ion:240 Resp: 151640

Ion Ratio Lower Upper

240 100

120 6.9 5.6 8.4

236 26.0 21.0 31.4



#78

Pyrene

Concen: 0.275 ng

RT: 19.956 min Scan# 2851

Delta R.T. 0.188 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

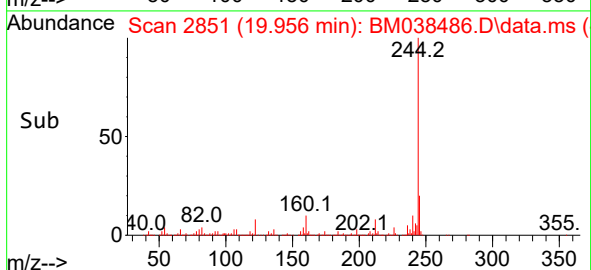
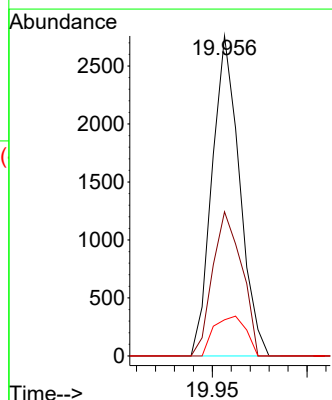
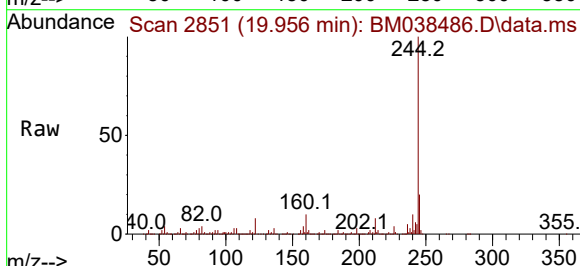
Tgt Ion:202 Resp: 2779

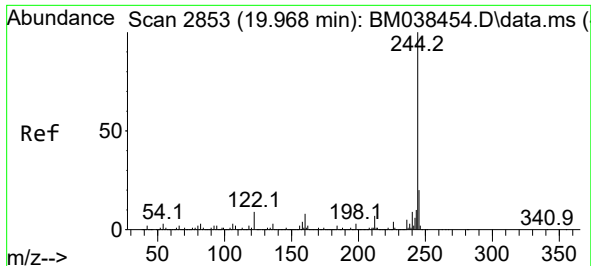
Ion Ratio Lower Upper

202 100

200 45.1 16.9 25.3#

203 11.3 14.2 21.2#

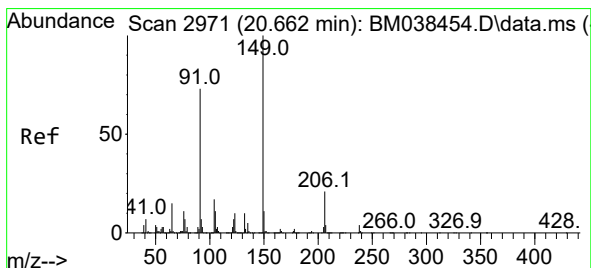
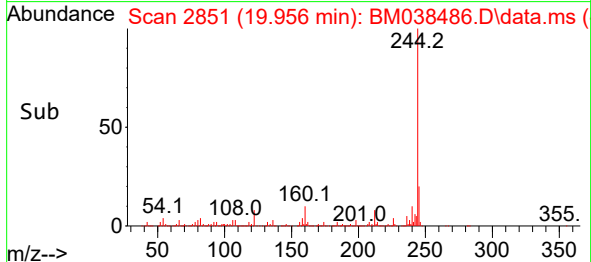
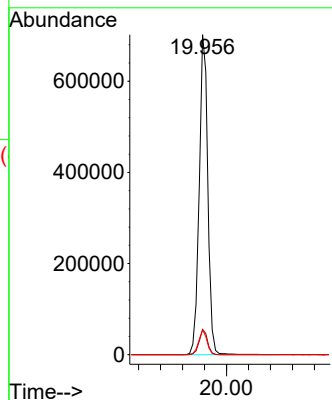
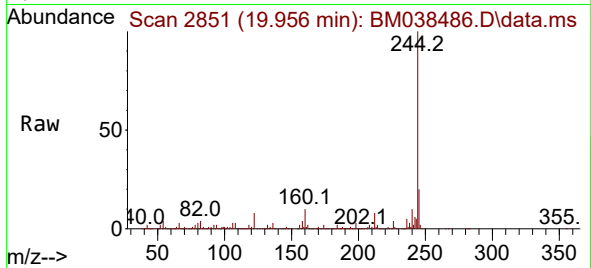




#79
 Terphenyl-d14
 Concen: 94.076 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038486.D
 Acq: 19 Jan 2023 12:42

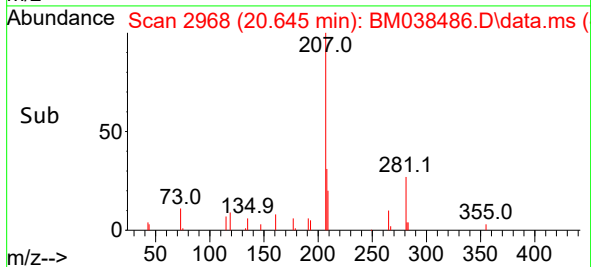
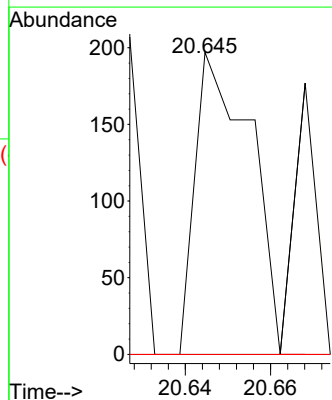
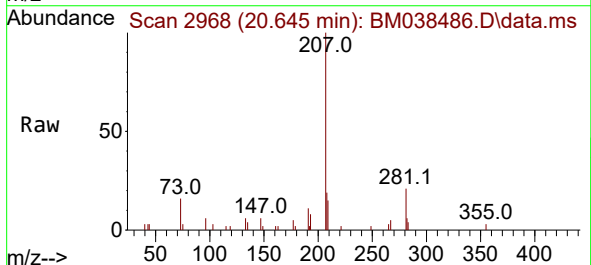
Instrument :
 BNA_M
 ClientSampleId :
 PB150215BL

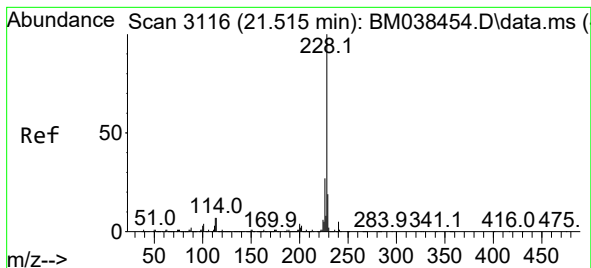
Tgt Ion:244 Resp: 762041
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.8
 122 7.7 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 0.048 ng
 RT: 20.645 min Scan# 2968
 Delta R.T. -0.012 min
 Lab File: BM038486.D
 Acq: 19 Jan 2023 12:42

Tgt Ion:149 Resp: 177
 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: 0.025 ng

RT: 21.521 min Scan# 3117

Delta R.T. 0.012 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

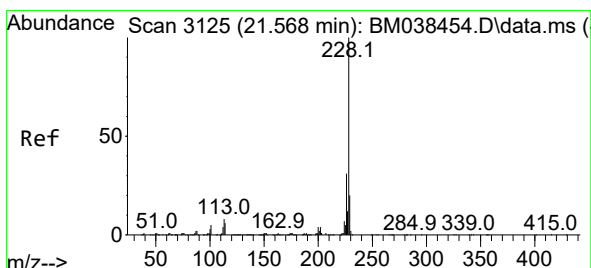
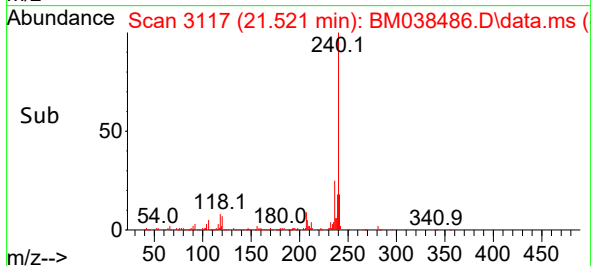
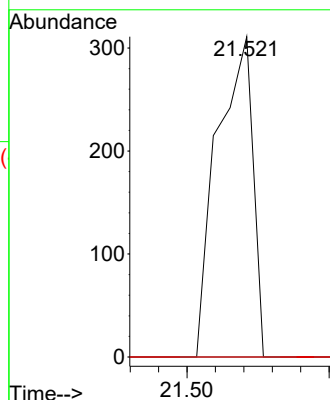
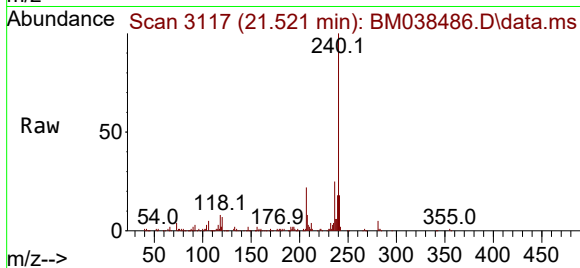
Tgt Ion:228 Resp: 271

Ion Ratio Lower Upper

228 100

226 0.0 22.0 33.0#

229 0.0 15.4 23.0#



#83

Chrysene

Concen: 0.026 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.041 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

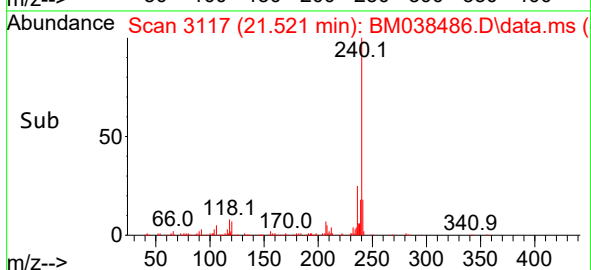
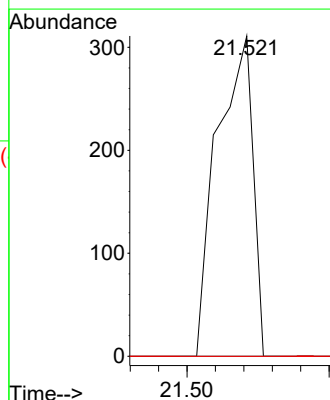
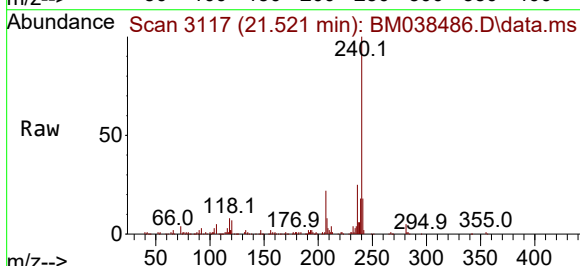
Tgt Ion:228 Resp: 271

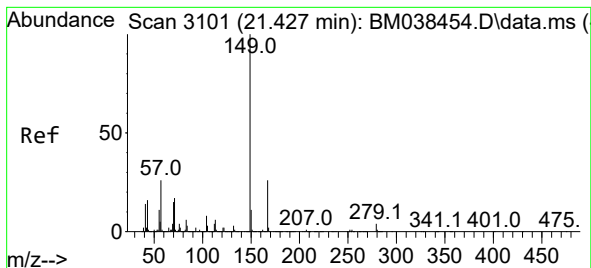
Ion Ratio Lower Upper

228 100

226 0.0 24.6 36.8#

229 0.0 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.111 ng

RT: 21.439 min Scan# 3103

Delta R.T. 0.018 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

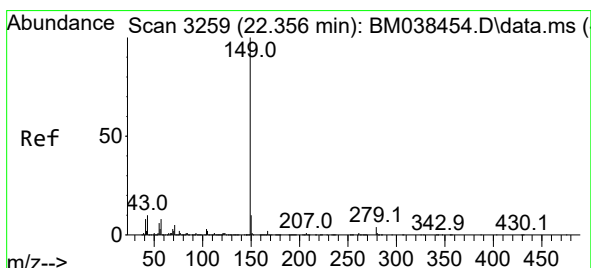
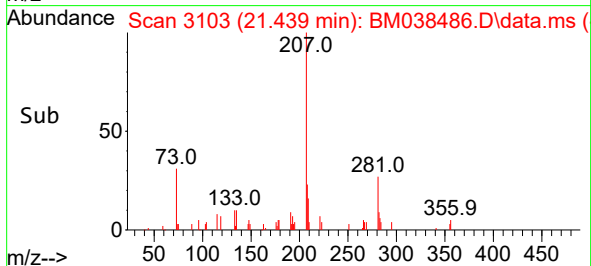
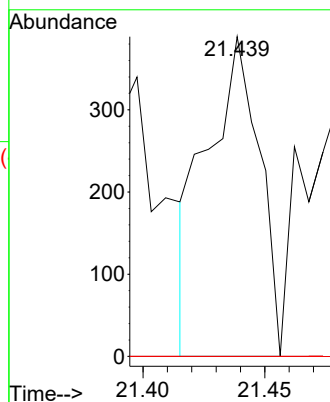
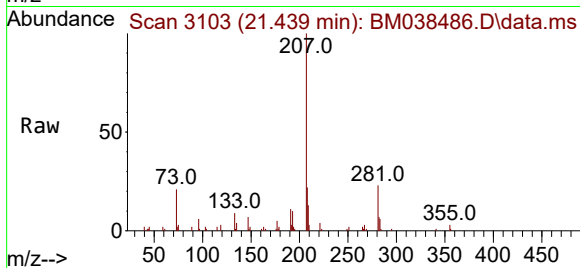
Tgt Ion:149 Resp: 587

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: 0.019 ng

RT: 22.333 min Scan# 3255

Delta R.T. -0.017 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

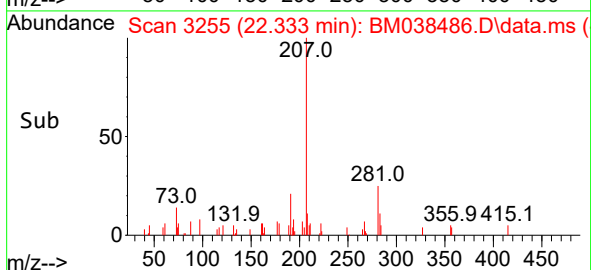
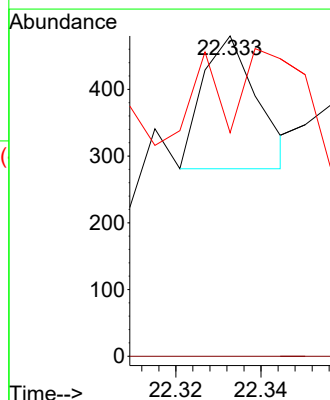
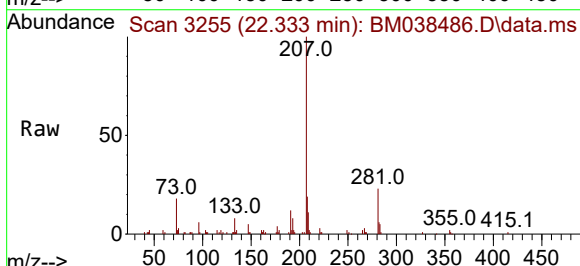
Tgt Ion:149 Resp: 179

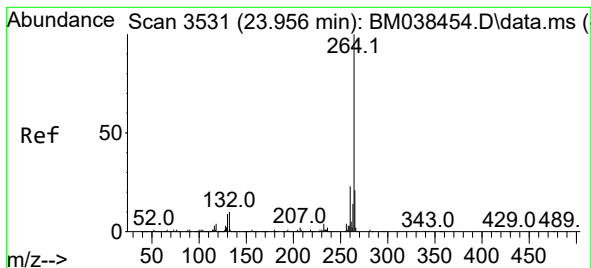
Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 240.8 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: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

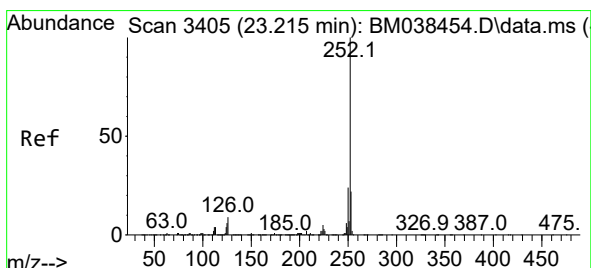
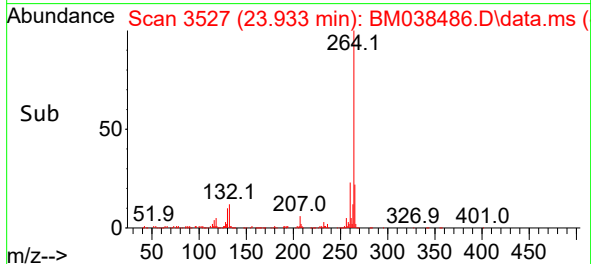
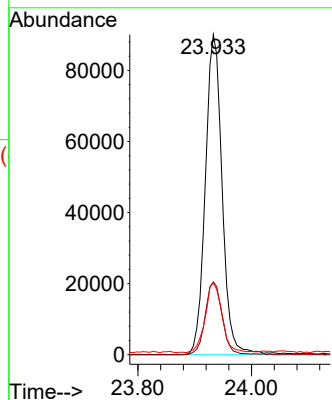
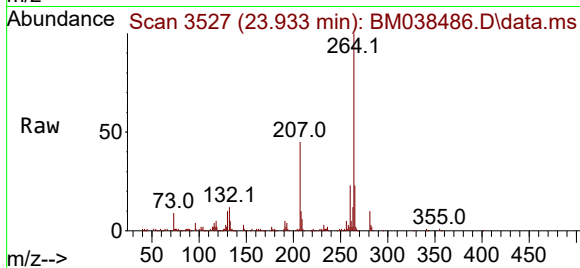
Tgt Ion:264 Resp: 184743

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 22.5 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 0.005 ng

RT: 23.203 min Scan# 3403

Delta R.T. 0.000 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

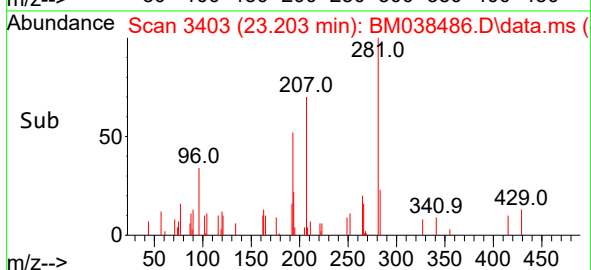
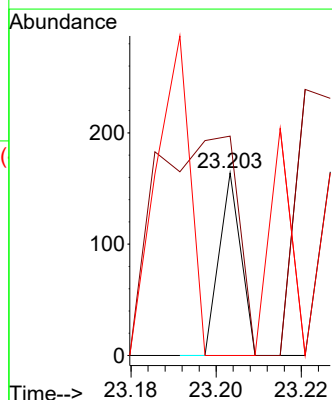
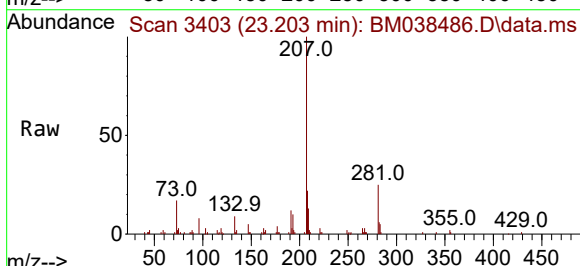
Tgt Ion:252 Resp: 58

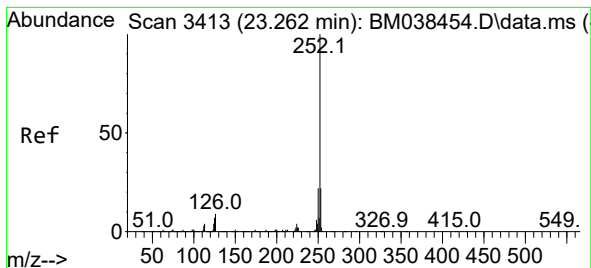
Ion Ratio Lower Upper

252 100

253 120.1 17.8 26.6#

125 0.0 5.1 7.7#





#89

Benzo(k)fluoranthene

Concen: 0.005 ng

RT: 23.256 min Scan# 3413

Delta R.T. 0.000 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Instrument :

BNA_M

ClientSampleId :

PB150215BL

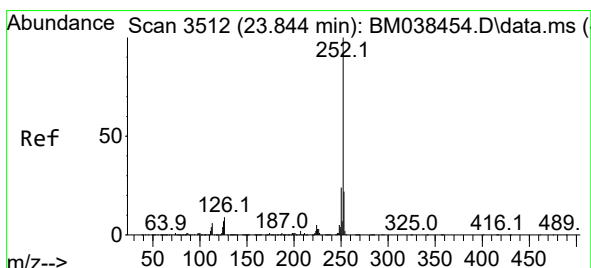
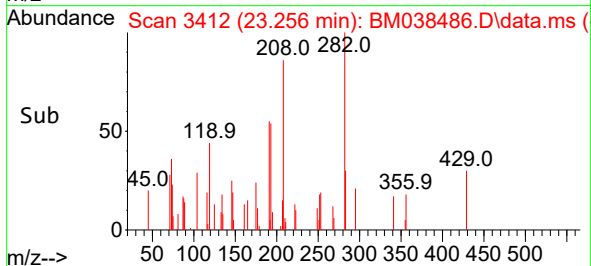
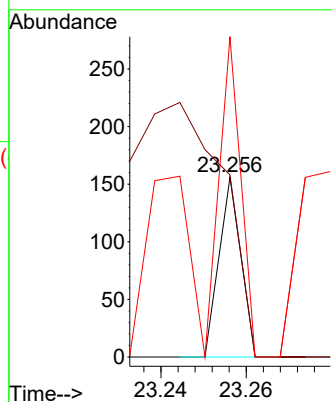
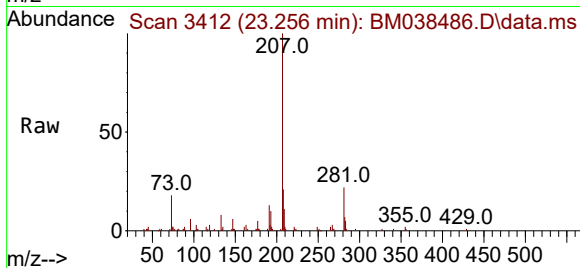
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 101.3 17.6 26.4#

125 178.2 5.5 8.3#



#90

Benzo(a)pyrene

Concen: 0.012 ng

RT: 23.856 min Scan# 3514

Delta R.T. 0.018 min

Lab File: BM038486.D

Acq: 19 Jan 2023 12:42

Tgt Ion:252 Resp: 134

Ion Ratio Lower Upper

252 100

253 118.3 17.6 26.4#

125 0.0 5.8 8.8#

