

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012523\
 Data File : BM038532.D
 Acq On : 25 Jan 2023 15:22
 Operator : CG/JU
 Sample : PB150220BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB150220BL

Quant Time: Jan 25 23:16:13 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)

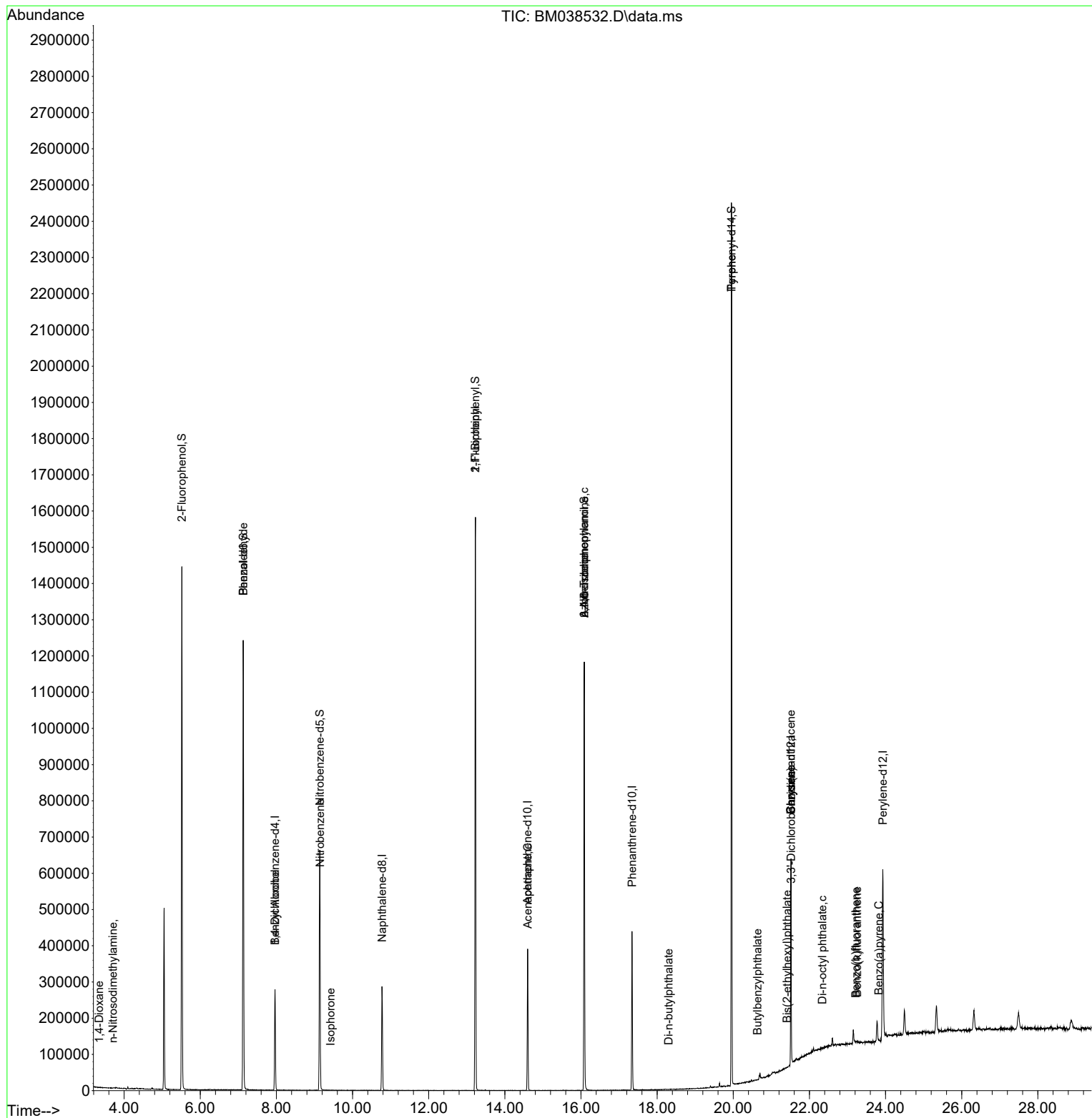
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	67395	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	206500	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	117645	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	245876	20.000	ng	# 0.00
76) Chrysene-d12	21.515	240	251131	20.000	ng	# 0.00
86) Perylene-d12	23.927	264	359552	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	501004	122.891	ng	0.00
7) Phenol-d6	7.128	99	584778	112.424	ng	0.00
23) Nitrobenzene-d5	9.139	82	364766	76.707	ng	0.00
42) 2,4,6-Tribromophenol	16.086	330	189986	112.144	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	744348	77.938	ng	0.00
79) Terphenyl-d14	19.956	244	1058691	82.186	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.346	88	58	0.030	ng	# 1
4) n-Nitrosodimethylamine	3.705	42	185	0.078	ng	# 1
9) Benzaldehyde	7.128	77	1429	0.463	ng	# 5
15) Benzyl Alcohol	7.963	79	2175	0.559	ng	# 35
24) Nitrobenzene	9.145	77	1667	0.346	ng	# 46
25) Isophorone	9.422	82	53	0.007	ng	# 67
46) 1,1'-Biphenyl	13.227	154	1415	0.150	ng	# 1
52) Acenaphthene	14.604	154	386	0.055	ng	# 4
63) Azobenzene	16.086	77	1637	0.174	ng	# 39
66) n-Nitrosodiphenylamine	16.086	169	5992	0.812	ng	# 43
74) Di-n-butylphthalate	18.304	149	261	0.019	ng	# 78
78) Pyrene	19.956	202	3652	0.209	ng	# 80
80) Butylbenzylphthalate	20.639	149	143	0.024	ng	# 23
81) Benzo(a)anthracene	21.515	228	752	0.042	ng	# 57
82) 3,3'-Dichlorobenzidine	21.521	252	53	0.009	ng	# 1
83) Chrysene	21.515	228	752	0.043	ng	# 54
84) Bis(2-ethylhexyl)phtha...	21.415	149	1465	0.167	ng	# 53
85) Di-n-octyl phthalate	22.339	149	246	0.016	ng	# 26
88) Benzo(b)fluoranthene	23.215	252	386	0.018	ng	# 1
89) Benzo(k)fluoranthene	23.256	252	248	0.011	ng	# 1
90) Benzo(a)pyrene	23.827	252	265	0.012	ng	# 1

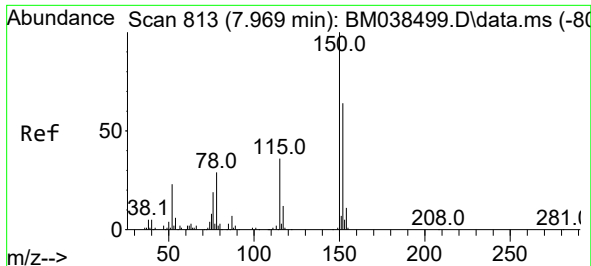
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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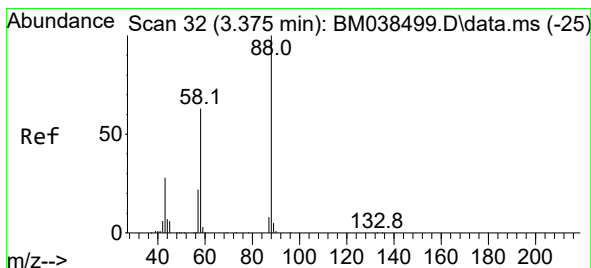
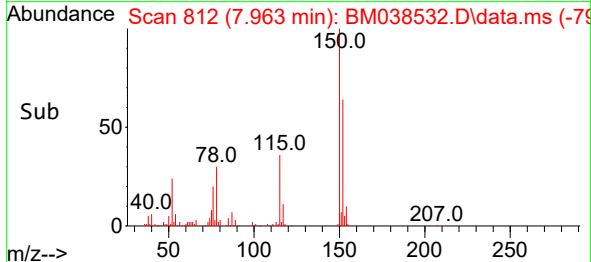
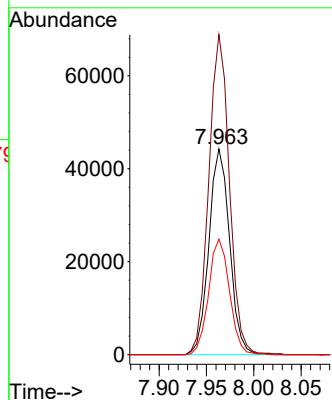
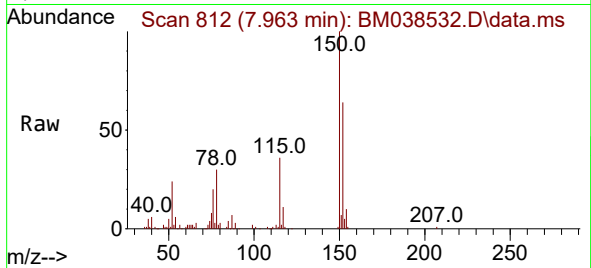




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

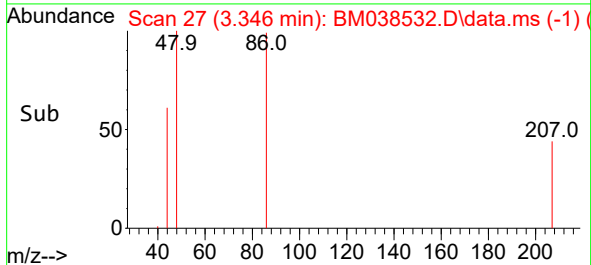
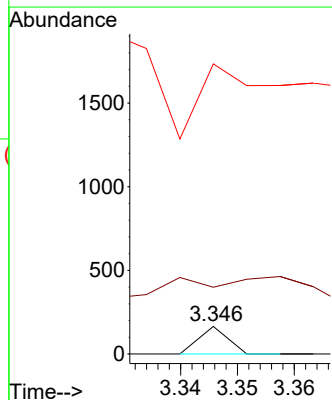
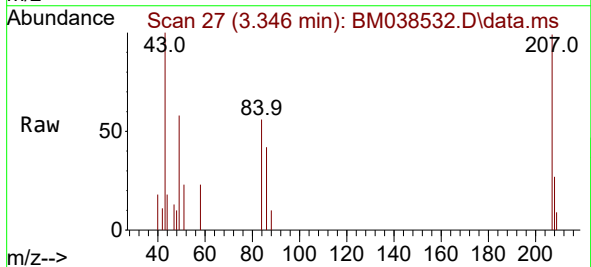
Instrument :
BNA_M
ClientSampleId :
PB150220BL

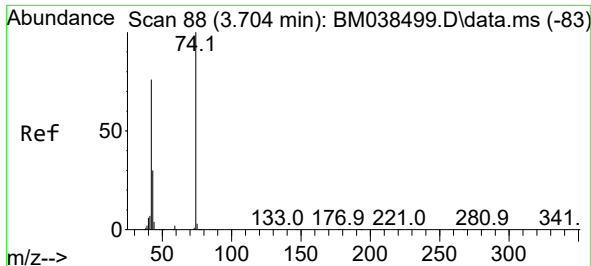
Tgt Ion:152 Resp: 67395
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.4
115 56.1 44.8 67.2



#2
1,4-Dioxane
Concen: 0.030 ng
RT: 3.346 min Scan# 27
Delta R.T. -0.029 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
58 693.1 50.5 75.7#
43 662.1 23.9 35.9#

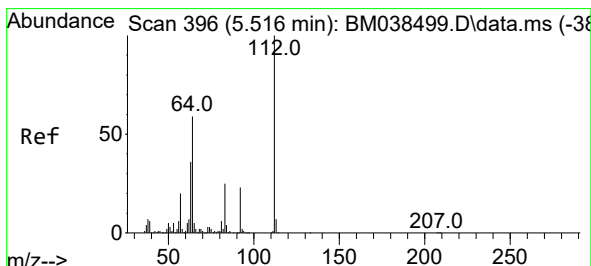
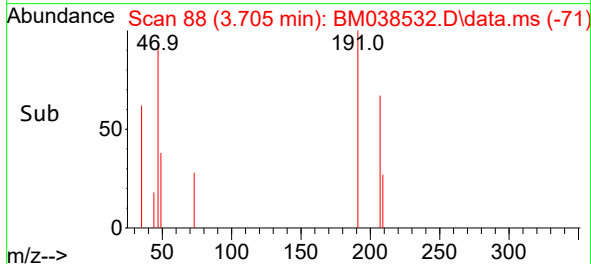
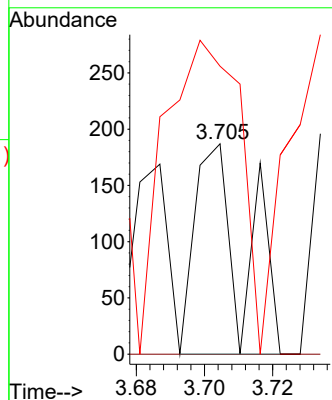
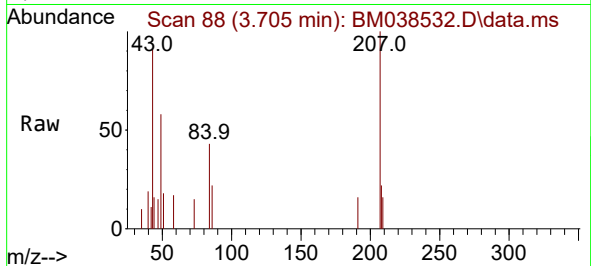




#4
n-Nitrosodimethylamine
Concen: 0.078 ng
RT: 3.705 min Scan# 88
Delta R.T. 0.000 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

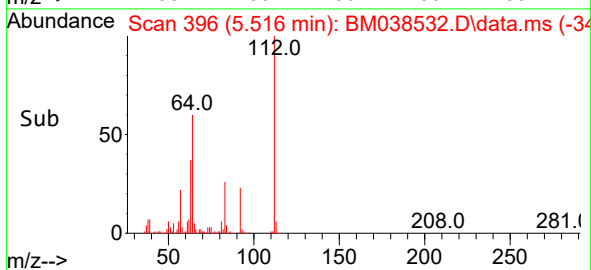
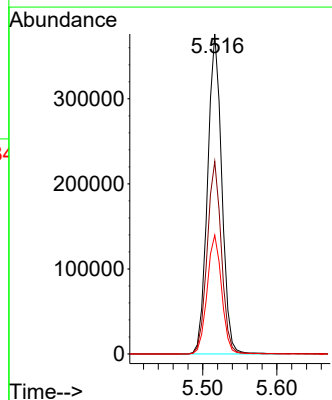
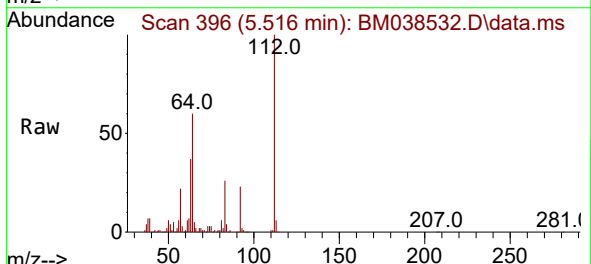
Instrument :
BNA_M
ClientSampleId :
PB150220BL

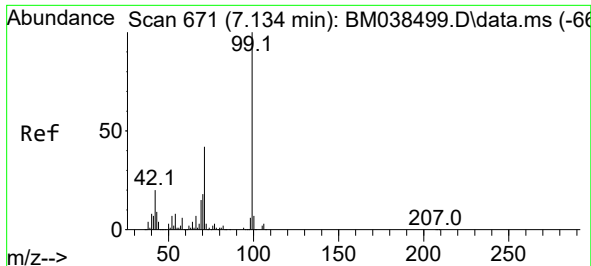
Tgt Ion: 42 Resp: 185
Ion Ratio Lower Upper
42 100
74 0.0 105.0 157.4#
44 136.9 4.1 6.1#



#5
2-Fluorophenol
Concen: 122.891 ng
RT: 5.516 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion: 112 Resp: 501004
Ion Ratio Lower Upper
112 100
64 60.2 47.3 70.9
63 37.1 28.8 43.2

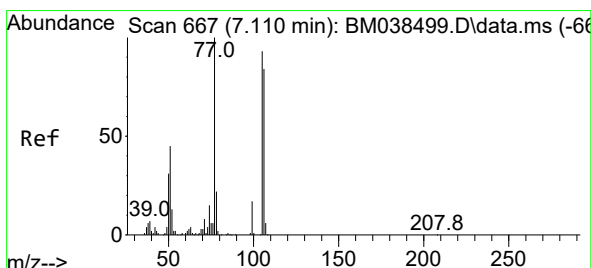
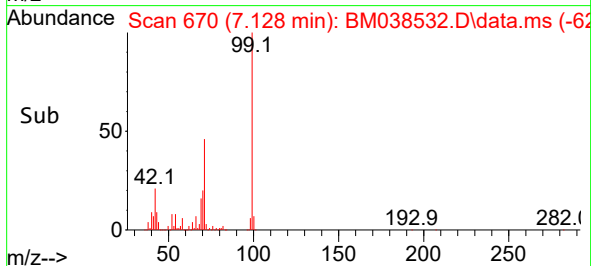
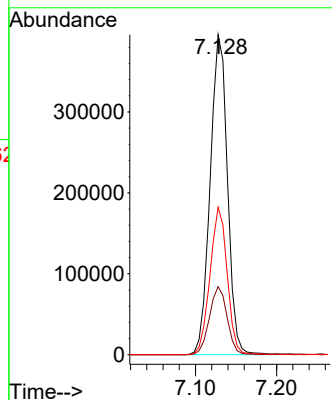
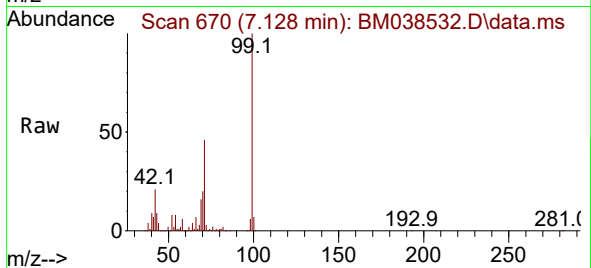




#7
Phenol-d6
Concen: 112.424 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

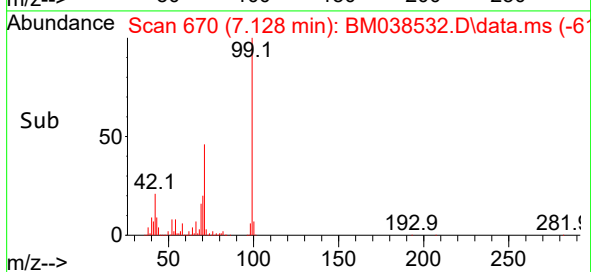
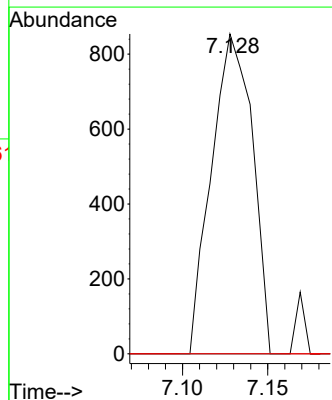
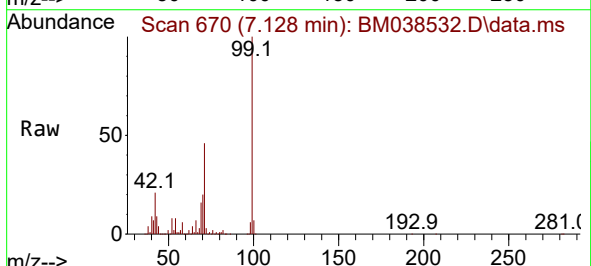
Instrument :
BNA_M
ClientSampleId :
PB150220BL

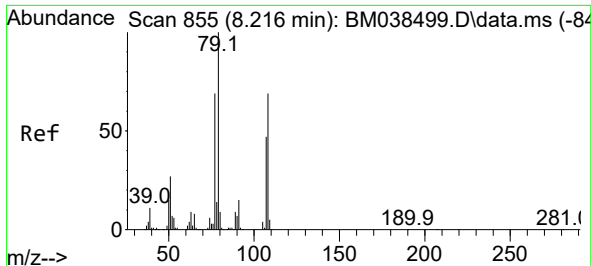
Tgt Ion: 99 Resp: 584778
Ion Ratio Lower Upper
99 100
42 21.2 16.0 24.0
71 46.0 33.8 50.6



#9
Benzaldehyde
Concen: 0.463 ng
RT: 7.128 min Scan# 670
Delta R.T. 0.018 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion: 77 Resp: 1429
Ion Ratio Lower Upper
77 100
105 0.0 72.9 112.9#
106 0.0 63.8 103.8#

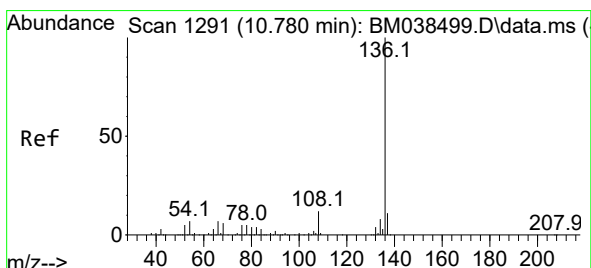
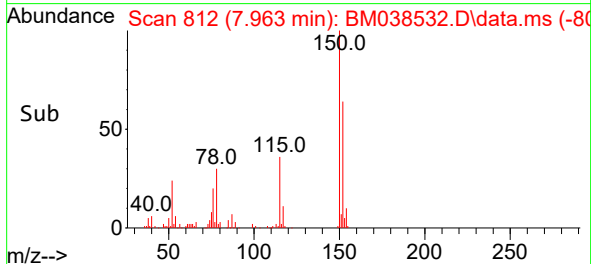
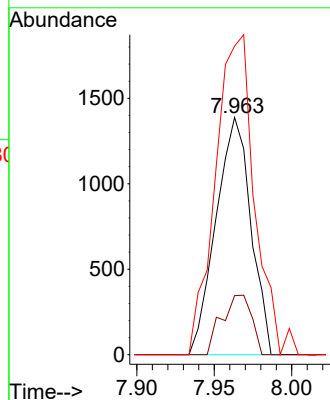
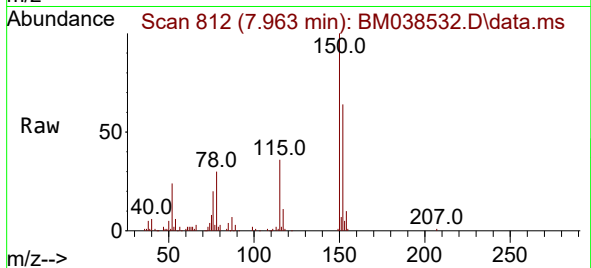




#15
Benzyl Alcohol
Concen: 0.559 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.253 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

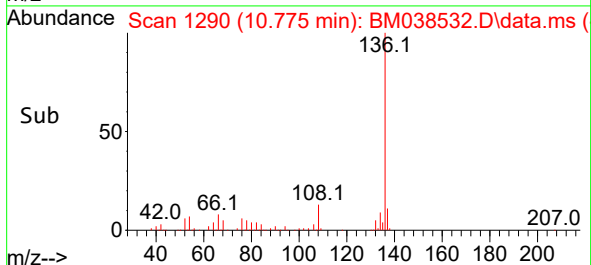
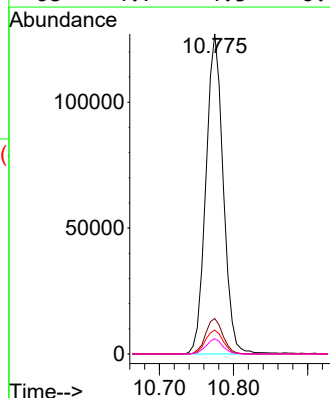
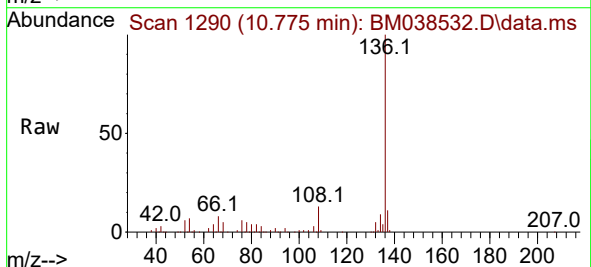
Instrument :
BNA_M
ClientSampleId :
PB150220BL

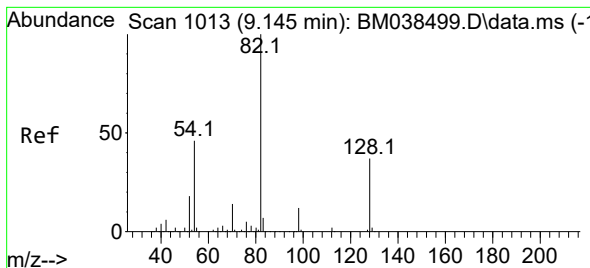
Tgt Ion: 79 Resp: 2175
Ion Ratio Lower Upper
79 100
108 24.9 55.0 82.6#
77 130.1 55.0 82.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion:136 Resp: 206500
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.4 6.0 9.0
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 76.707 ng

RT: 9.139 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

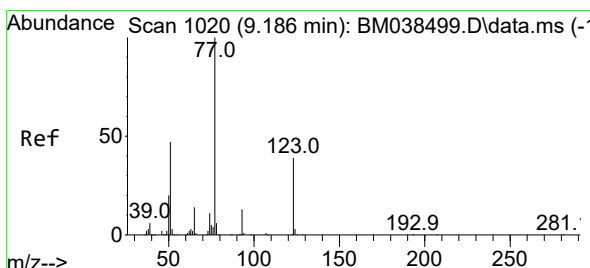
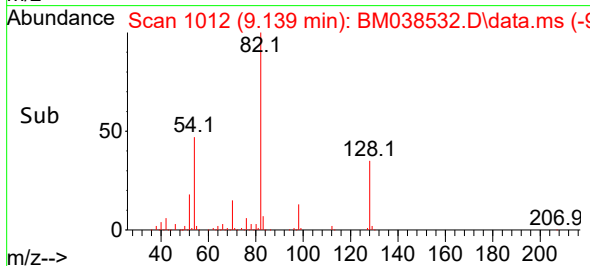
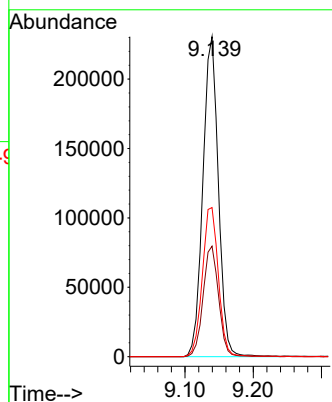
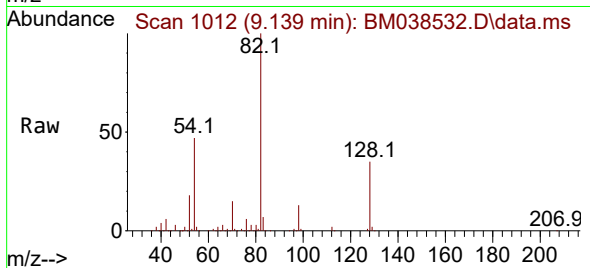
Tgt Ion: 82 Resp: 364766

Ion Ratio Lower Upper

82 100

128 34.6 29.3 43.9

54 46.6 36.9 55.3



#24

Nitrobenzene

Concen: 0.346 ng

RT: 9.145 min Scan# 1013

Delta R.T. -0.041 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

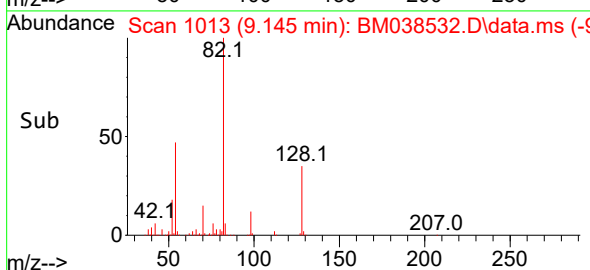
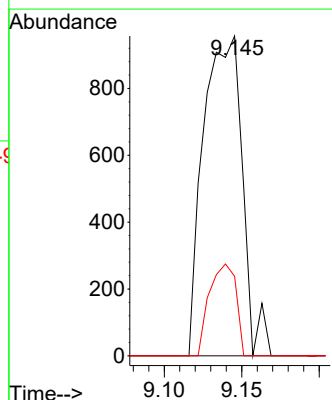
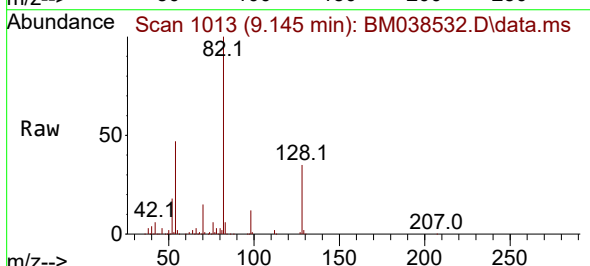
Tgt Ion: 77 Resp: 1667

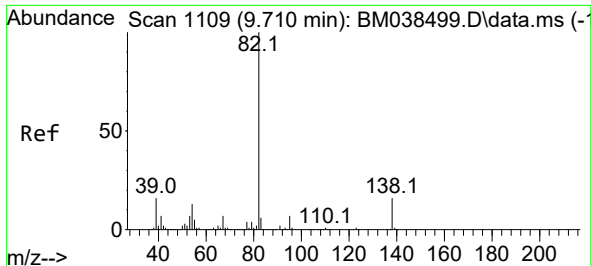
Ion Ratio Lower Upper

77 100

123 0.0 31.5 47.3#

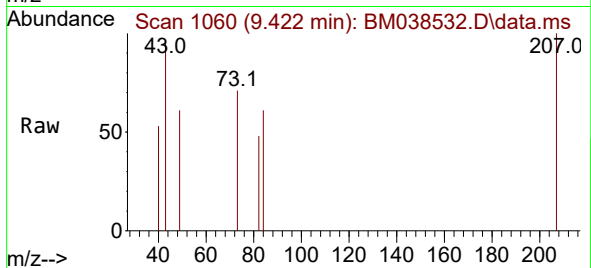
65 24.9 11.2 16.8#



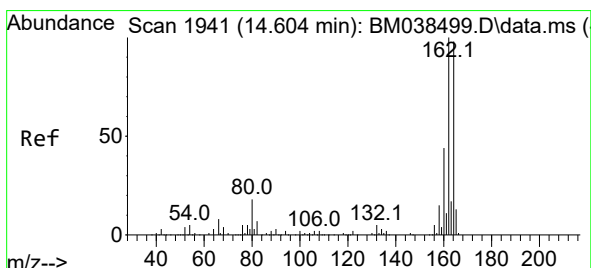
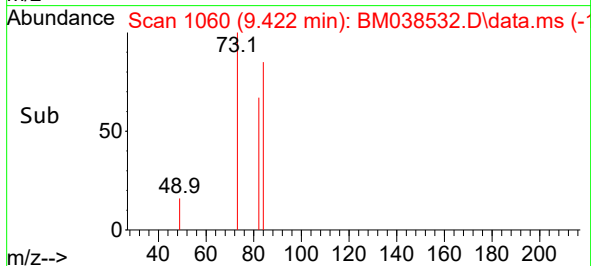
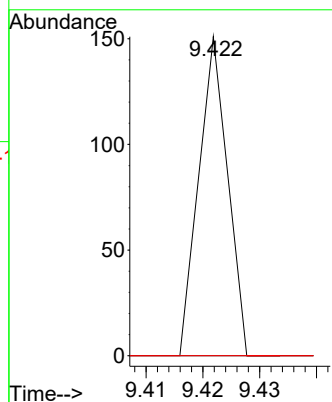


#25
Isophorone
Concen: 0.007 ng
RT: 9.422 min Scan# 1060
Delta R.T. -0.288 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

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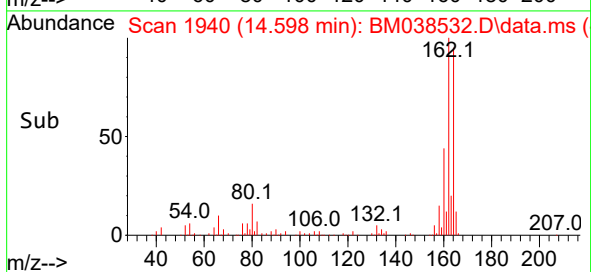
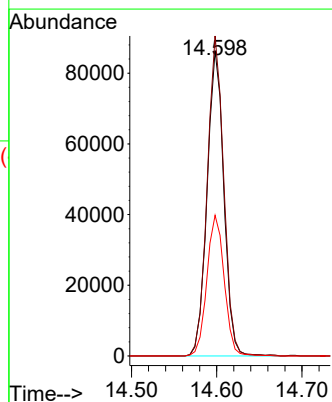
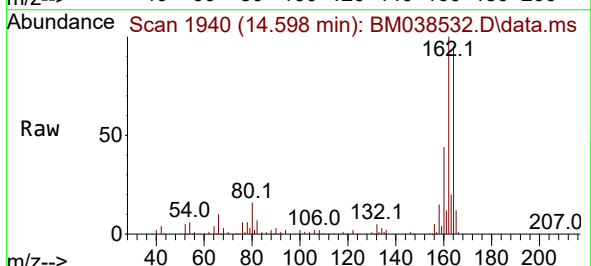


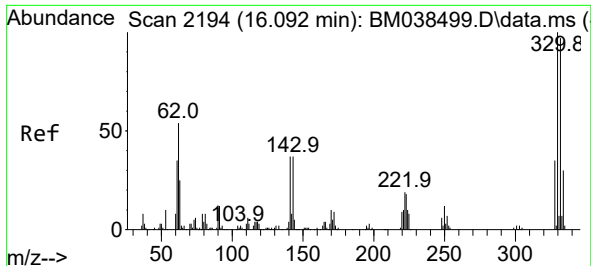
Tgt Ion: 82 Resp: 53
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

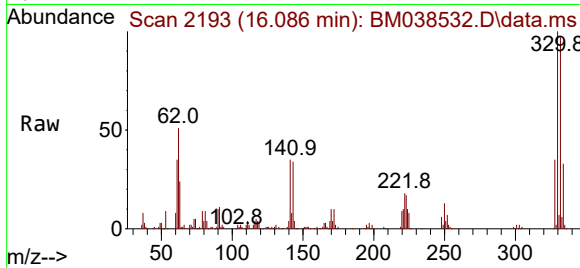
Tgt Ion: 164 Resp: 117645
Ion Ratio Lower Upper
164 100
162 104.8 82.0 123.0
160 46.0 35.8 53.6



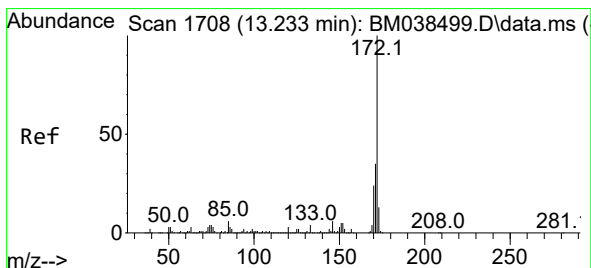
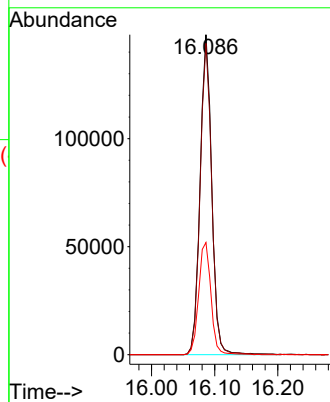
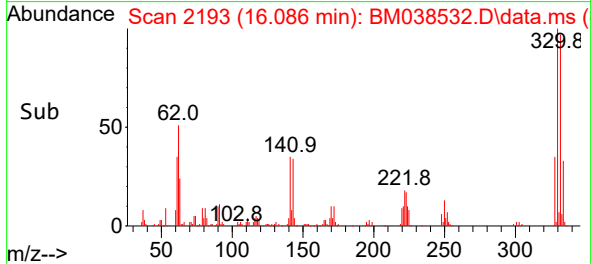


#42
2,4,6-Tribromophenol
Concen: 112.144 ng
RT: 16.086 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

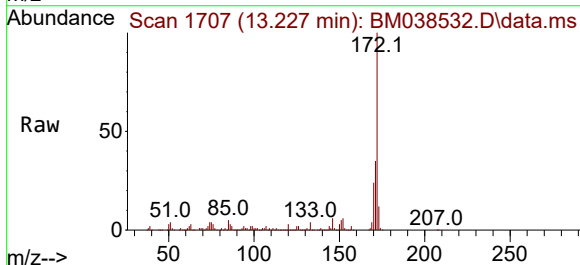
Instrument :
BNA_M
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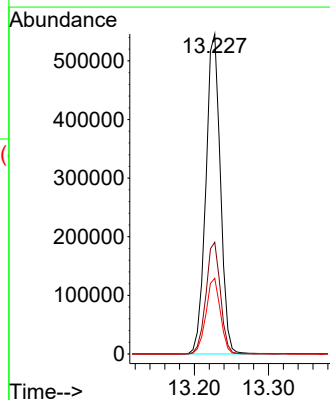
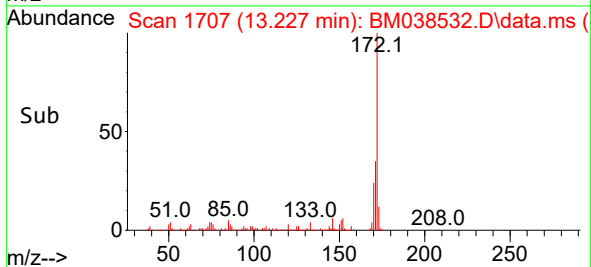
Tgt Ion:330 Resp: 189986
Ion Ratio Lower Upper
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332 97.1 77.5 116.3
141 36.9 29.0 43.4

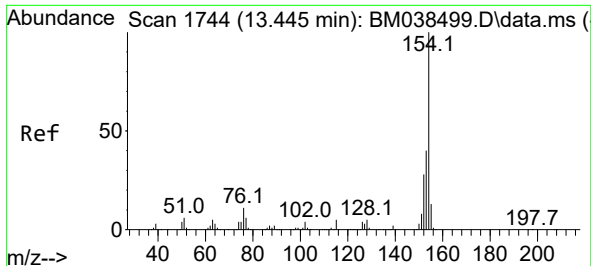


#45
2-Fluorobiphenyl
Concen: 77.938 ng
RT: 13.227 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22



Tgt Ion:172 Resp: 744348
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.7 19.5 29.3

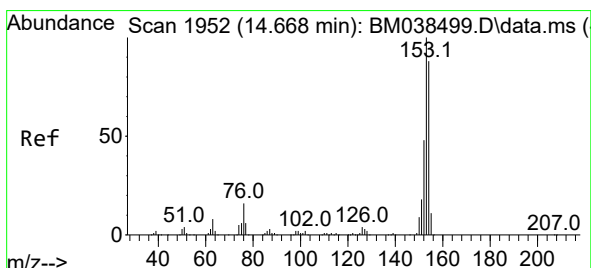
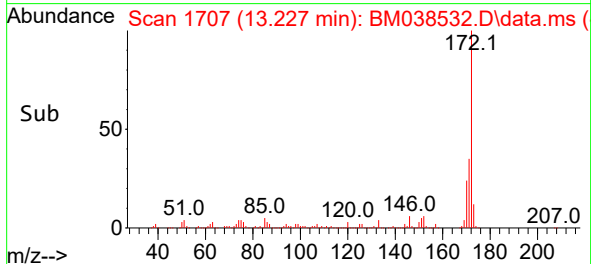
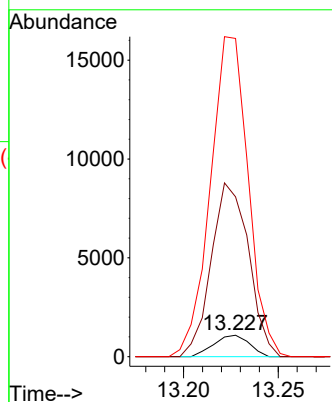
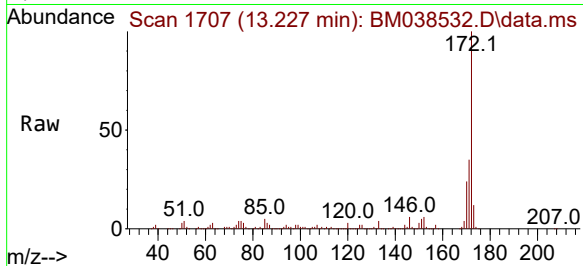




#46
1,1'-Biphenyl
Concen: 0.150 ng
RT: 13.227 min Scan# 1
Delta R.T. -0.218 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

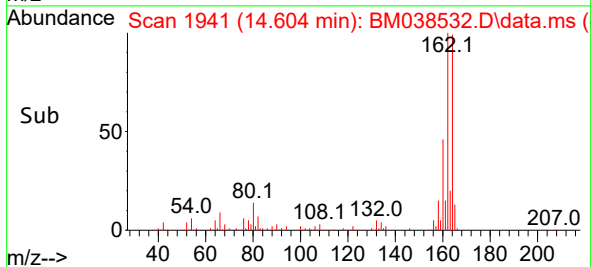
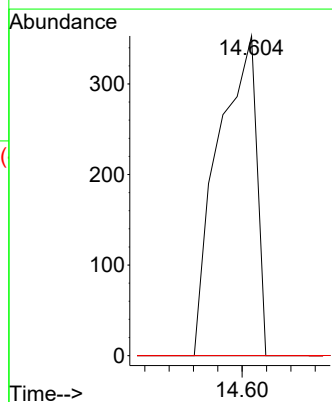
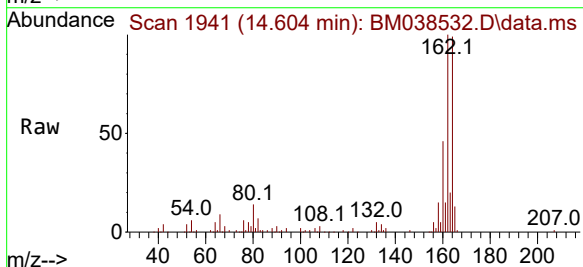
Instrument :
BNA_M
ClientSampleId :
PB150220BL

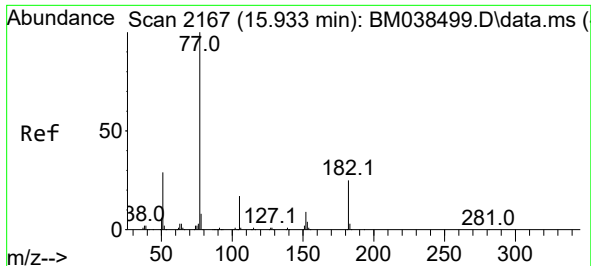
Tgt Ion:154 Resp: 1415
Ion Ratio Lower Upper
154 100
153 747.7 20.1 60.1#
76 1489.7 0.0 31.3#



#52
Acenaphthene
Concen: 0.055 ng
RT: 14.604 min Scan# 1941
Delta R.T. -0.065 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion:154 Resp: 386
Ion Ratio Lower Upper
154 100
153 0.0 90.7 136.1#
152 0.0 43.8 65.8#

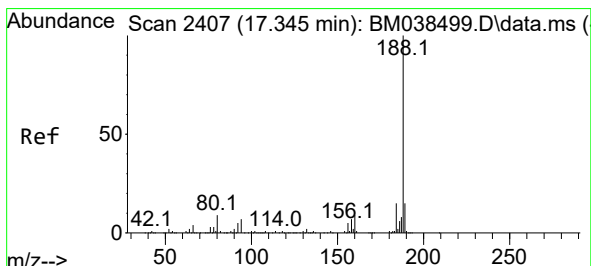
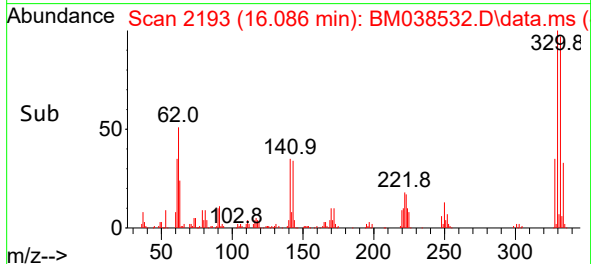
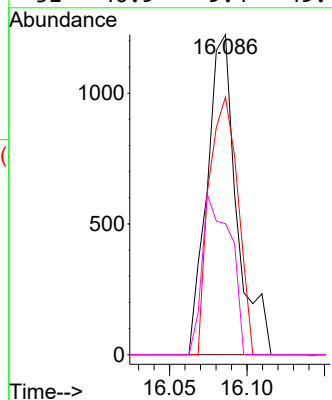
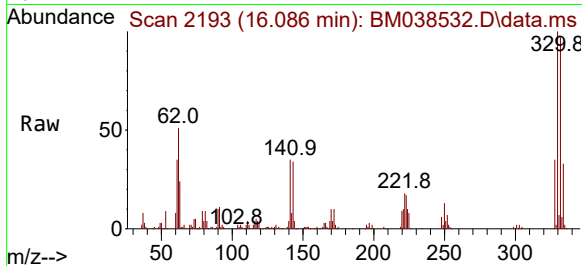




#63
Azobenzene
Concen: 0.174 ng
RT: 16.086 min Scan# 2167
Delta R.T. 0.153 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

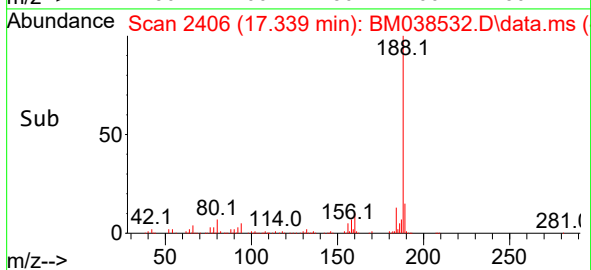
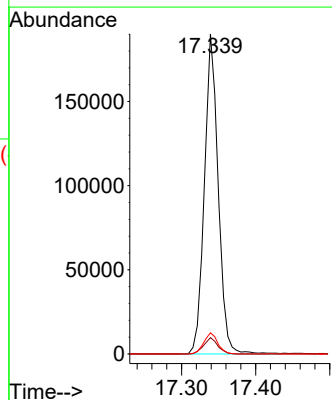
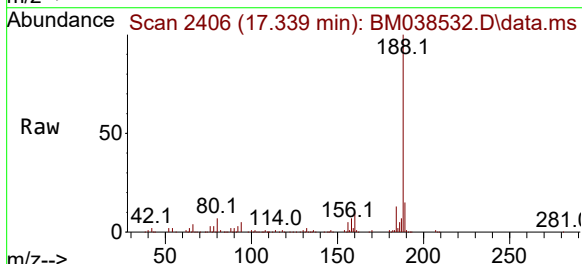
Instrument :
BNA_M
ClientSampleId :
PB150220BL

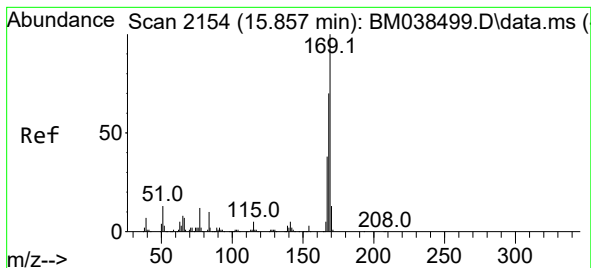
Tgt Ion: 77	Resp: 1637
Ion Ratio	Lower Upper
77 100	
182 0.0	4.7 44.7#
105 80.5	0.0 36.7#
51 40.9	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM038532.D
Acq: 25 Jan 2023 15:22

Tgt Ion: 188	Resp: 245876
Ion Ratio	Lower Upper
188 100	
94 5.1	6.0 9.0#
80 6.6	6.9 10.3#





#66

n-Nitrosodiphenylamine

Concen: 0.812 ng

RT: 16.086 min Scan# 2154

Delta R.T. 0.230 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

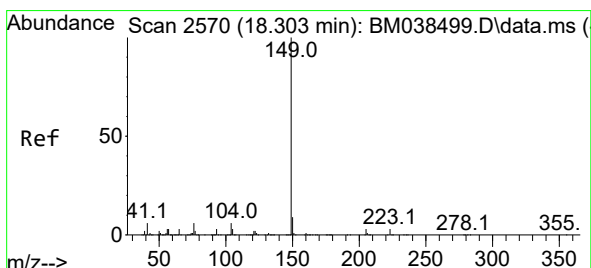
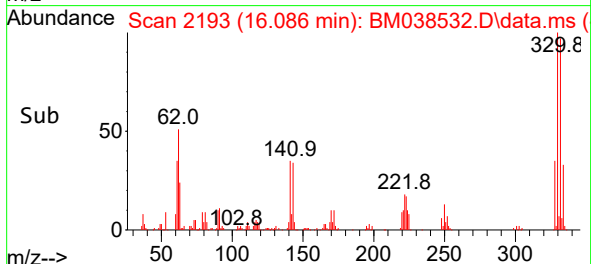
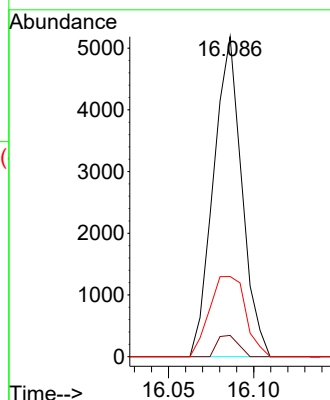
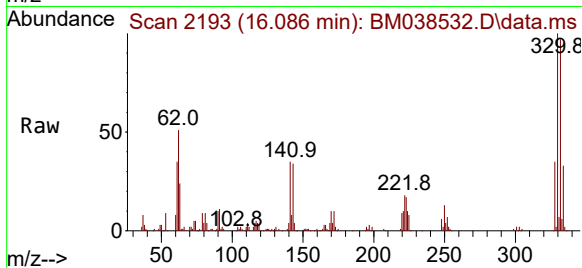
Tgt Ion:169 Resp: 5992

Ion Ratio Lower Upper

169 100

168 6.6 55.8 83.8#

167 25.1 30.3 45.5#



#74

Di-n-butylphthalate

Concen: 0.019 ng

RT: 18.304 min Scan# 2570

Delta R.T. 0.000 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

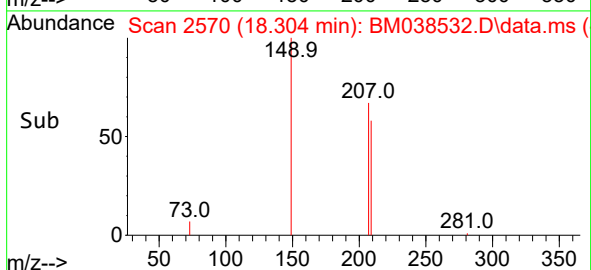
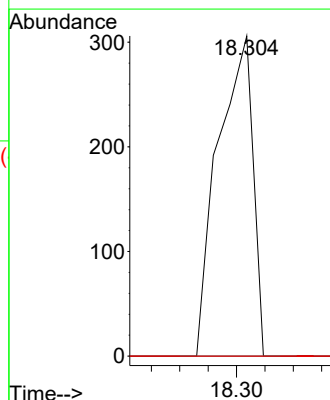
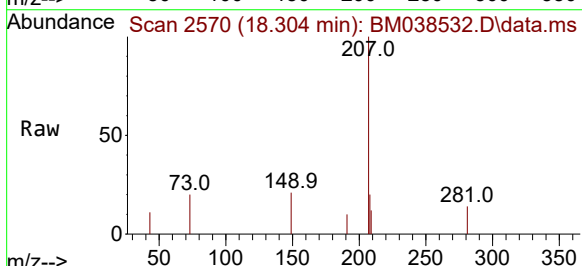
Tgt Ion:149 Resp: 261

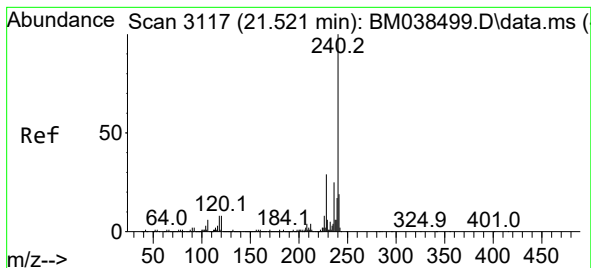
Ion Ratio Lower Upper

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# 3116

Delta R.T. -0.006 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

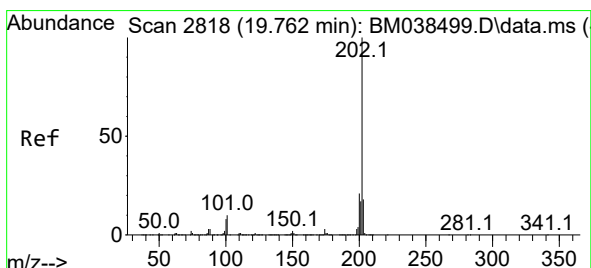
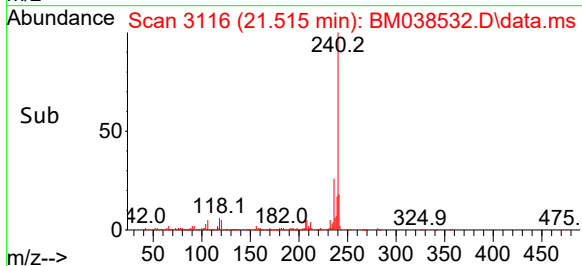
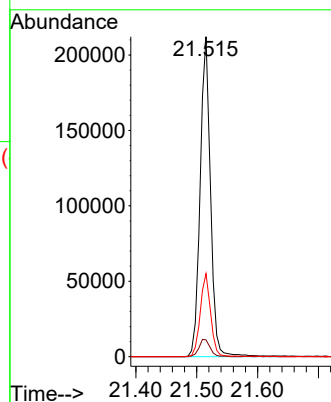
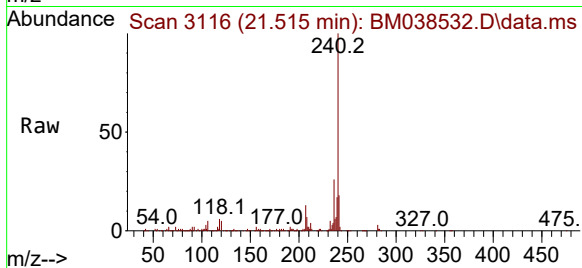
Tgt Ion:240 Resp: 251131

Ion Ratio Lower Upper

240 100

120 5.3 6.2 9.2#

236 26.0 20.2 30.2



#78

Pyrene

Concen: 0.209 ng

RT: 19.956 min Scan# 2851

Delta R.T. 0.194 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

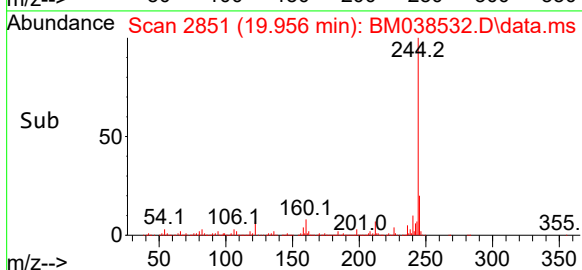
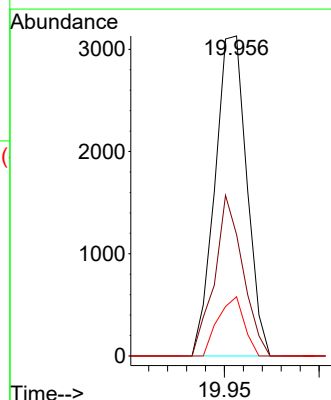
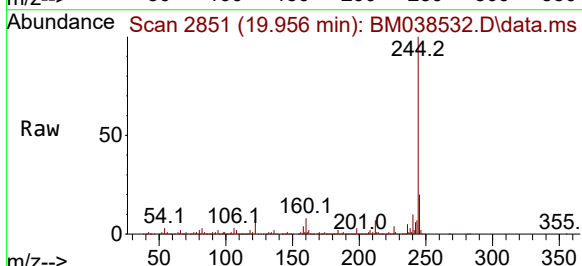
Tgt Ion:202 Resp: 3652

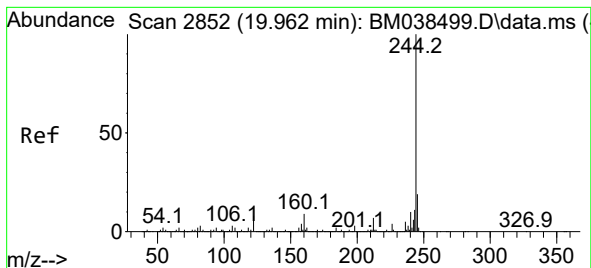
Ion Ratio Lower Upper

202 100

200 38.0 17.0 25.4#

203 18.5 14.2 21.2





#79

Terphenyl-d14

Concen: 82.186 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

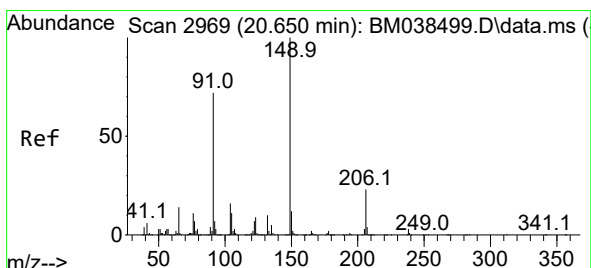
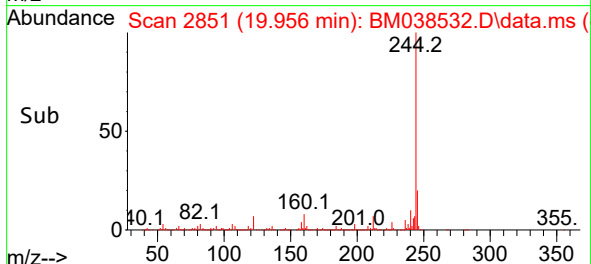
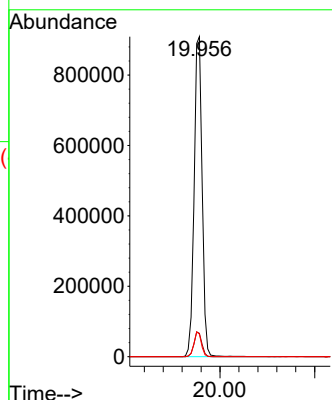
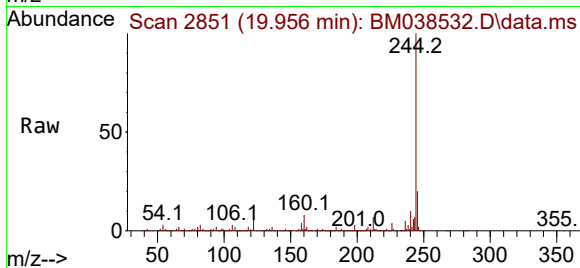
Tgt Ion:244 Resp: 1058691

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 7.1 6.7 10.1



#80

Butylbenzylphthalate

Concen: 0.024 ng

RT: 20.639 min Scan# 2967

Delta R.T. -0.012 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

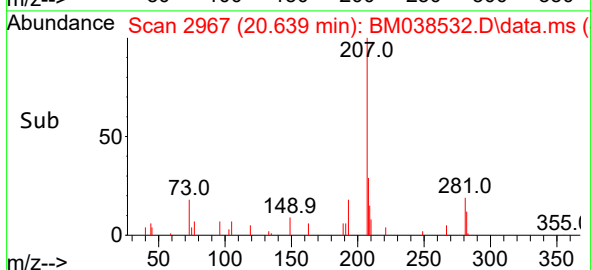
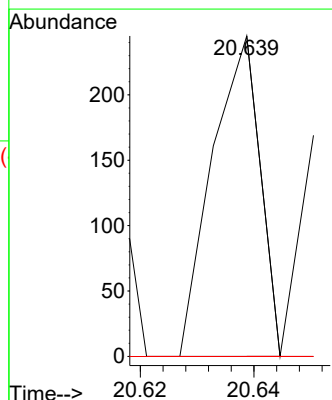
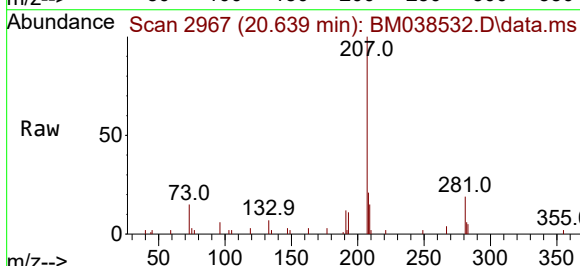
Tgt Ion:149 Resp: 143

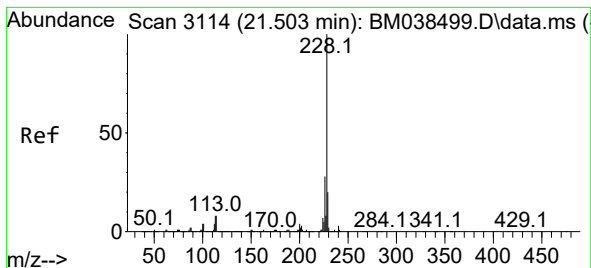
Ion Ratio Lower Upper

149 100

91 0.0 57.5 86.3#

206 0.0 18.2 27.2#





#81

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.515 min Scan# 3116

Delta R.T. 0.012 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

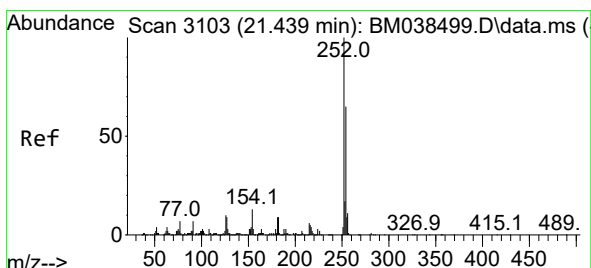
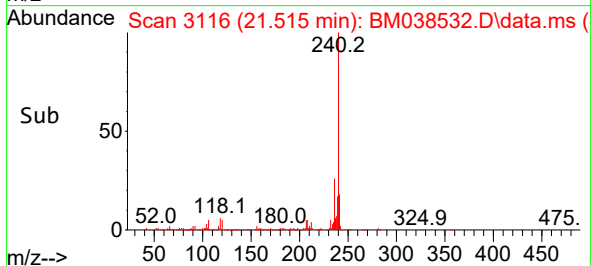
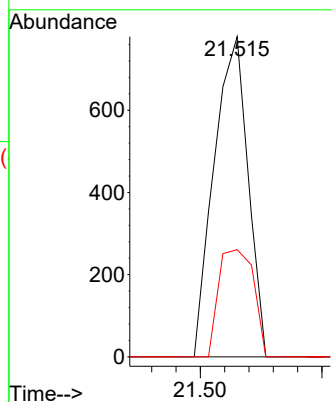
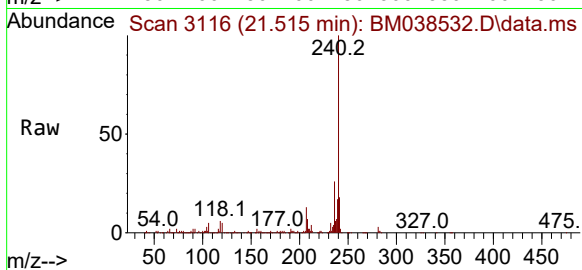
Tgt Ion:228 Resp: 752

Ion Ratio Lower Upper

228 100

226 0.0 22.2 33.2#

229 33.5 16.0 24.0#



#82

3,3'-Dichlorobenzidine

Concen: 0.009 ng

RT: 21.521 min Scan# 3117

Delta R.T. 0.082 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

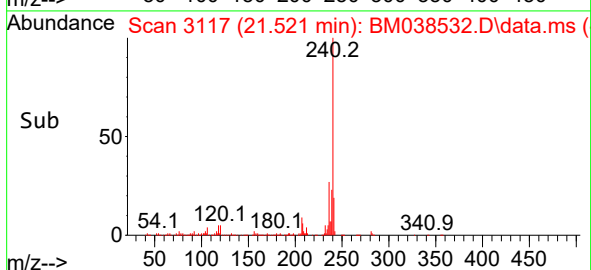
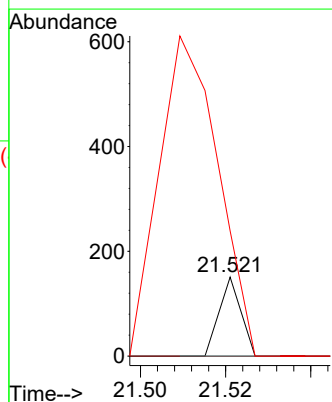
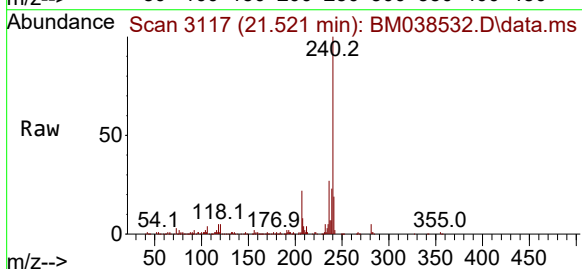
Tgt Ion:252 Resp: 53

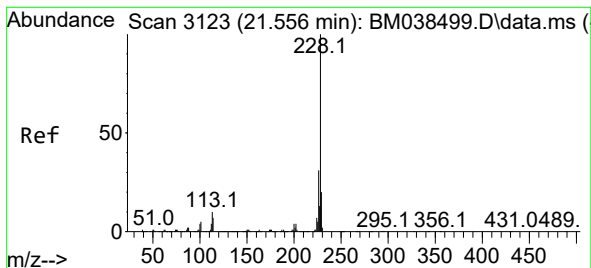
Ion Ratio Lower Upper

252 100

254 0.0 51.9 77.9#

126 158.3 7.7 11.5#





#83

Chrysene

Concen: 0.043 ng

RT: 21.515 min Scan# 3123

Delta R.T. -0.041 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

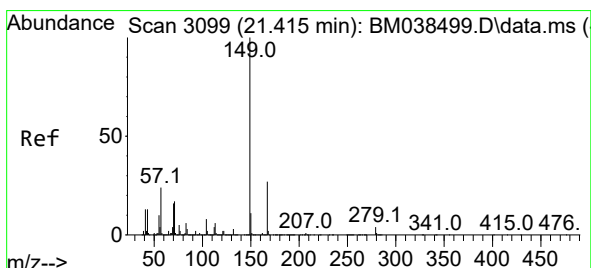
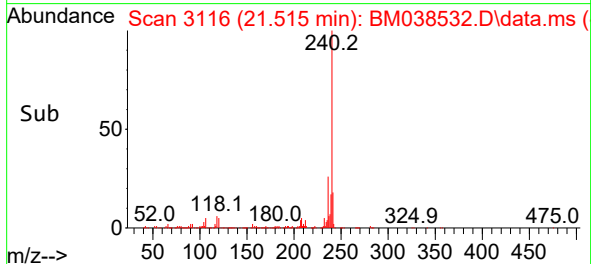
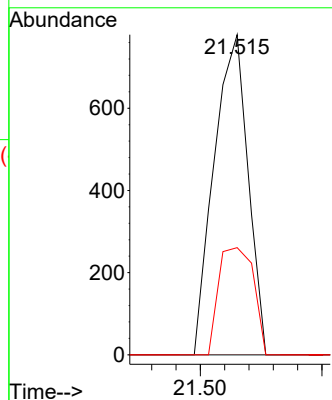
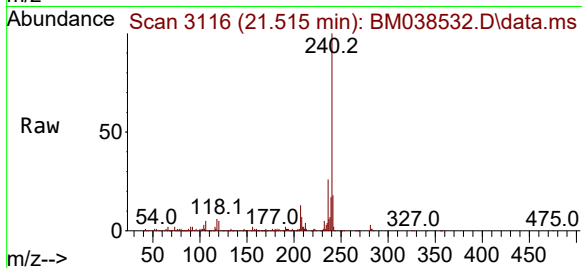
Tgt Ion:228 Resp: 752

Ion Ratio Lower Upper

228 100

226 0.0 24.4 36.6#

229 33.5 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.167 ng

RT: 21.415 min Scan# 3099

Delta R.T. 0.000 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

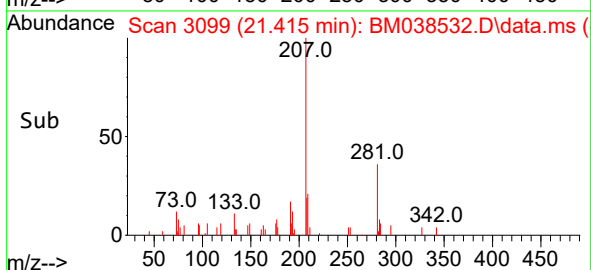
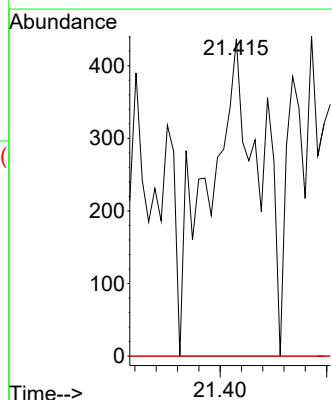
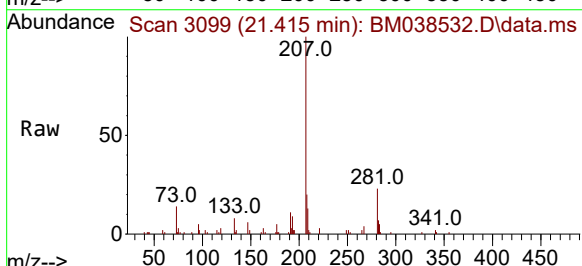
Tgt Ion:149 Resp: 1465

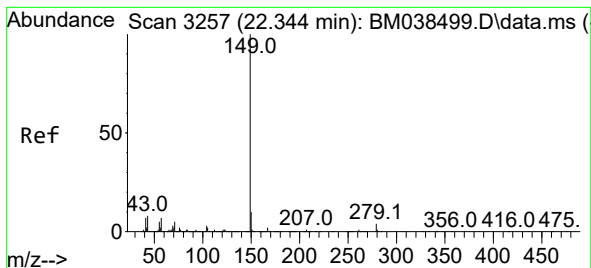
Ion Ratio Lower Upper

149 100

167 0.0 21.3 31.9#

279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 0.016 ng

RT: 22.339 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

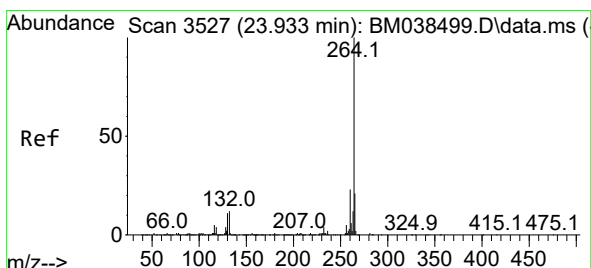
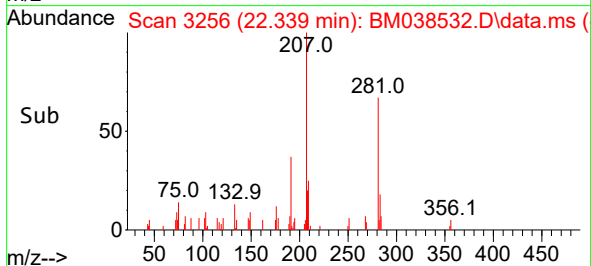
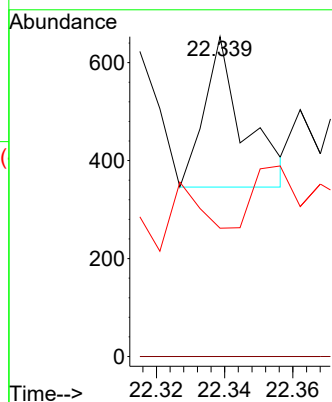
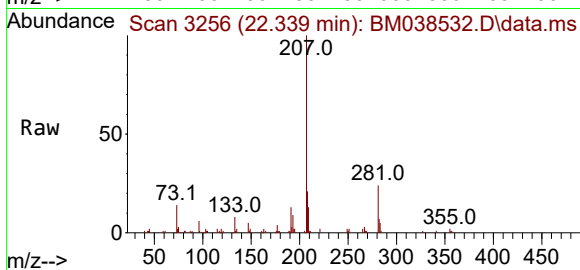
Tgt Ion:149 Resp: 246

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 39.4 6.7 10.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.006 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

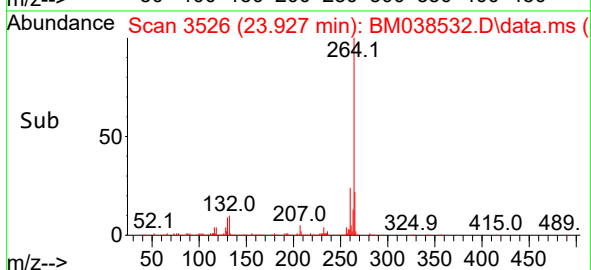
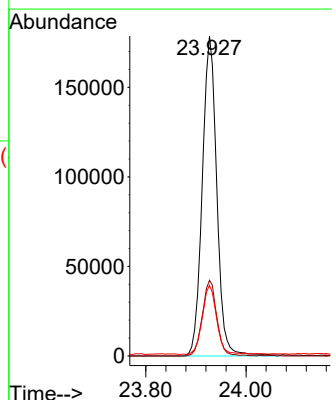
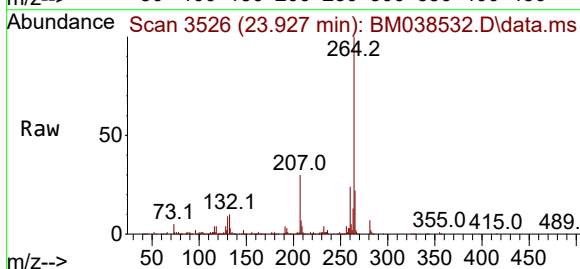
Tgt Ion:264 Resp: 359552

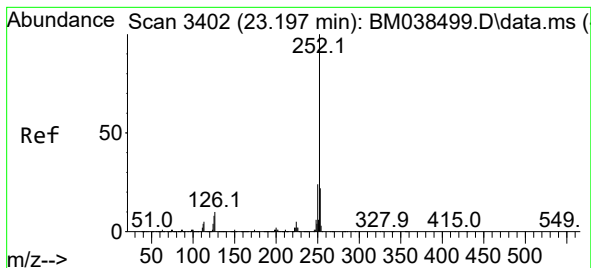
Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.1 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 0.018 ng

RT: 23.215 min Scan# 3402

Delta R.T. 0.018 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

Instrument :

BNA_M

ClientSampleId :

PB150220BL

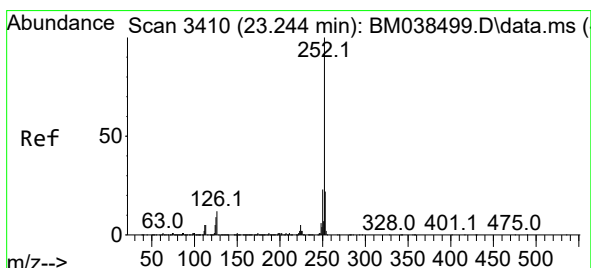
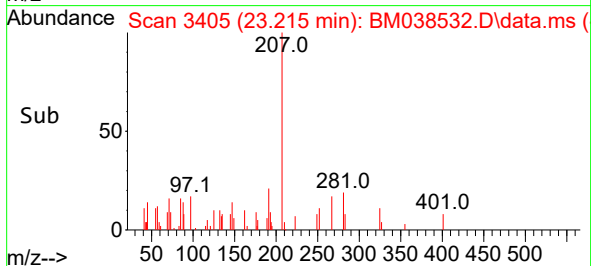
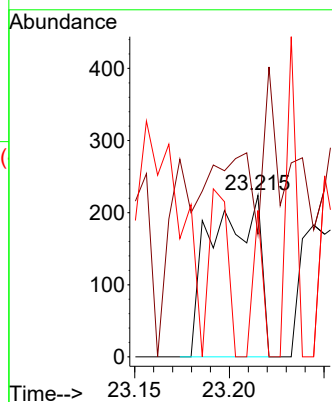
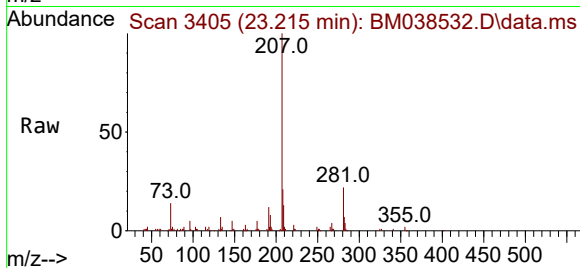
Tgt Ion:252 Resp: 386

Ion Ratio Lower Upper

252 100

253 75.9 17.4 26.0#

125 90.6 6.4 9.6#



#89

Benzo(k)fluoranthene

Concen: 0.011 ng

RT: 23.256 min Scan# 3412

Delta R.T. 0.012 min

Lab File: BM038532.D

Acq: 25 Jan 2023 15:22

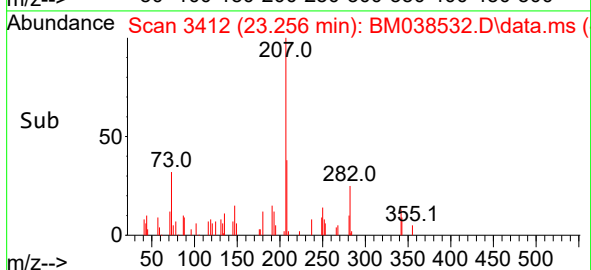
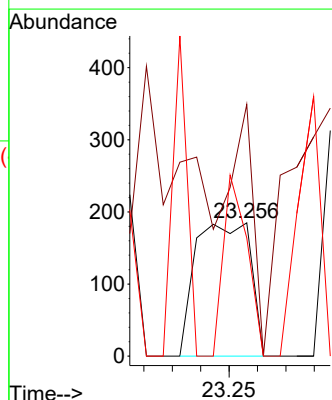
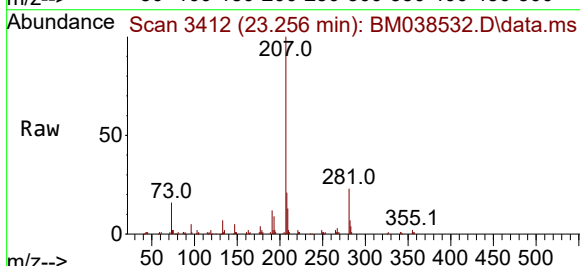
Tgt Ion:252 Resp: 248

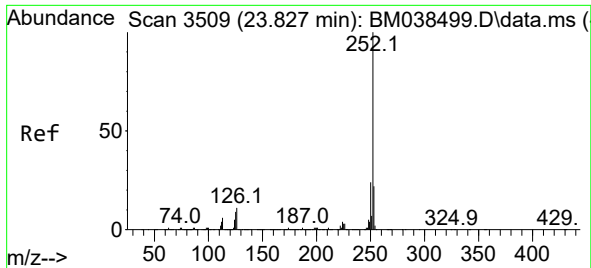
Ion Ratio Lower Upper

252 100

253 188.6 17.8 26.8#

125 88.6 6.8 10.2#





#90
 Benzo(a)pyrene
 Concen: 0.012 ng
 RT: 23.827 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BM038532.D
 Acq: 25 Jan 2023 15:22

Instrument :
 BNA_M
 ClientSampleId :
 PB150220BL

Tgt Ion:252 Resp: 265
 Ion Ratio Lower Upper
 252 100
 253 106.0 17.4 26.0#
 125 91.2 7.3 10.9#

