

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037450.D
 Acq On : 10 Nov 2022 14:20
 Operator : CG/JU
 Sample : N5511-05DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-05-110722DL

Quant Time: Nov 10 15:56:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

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

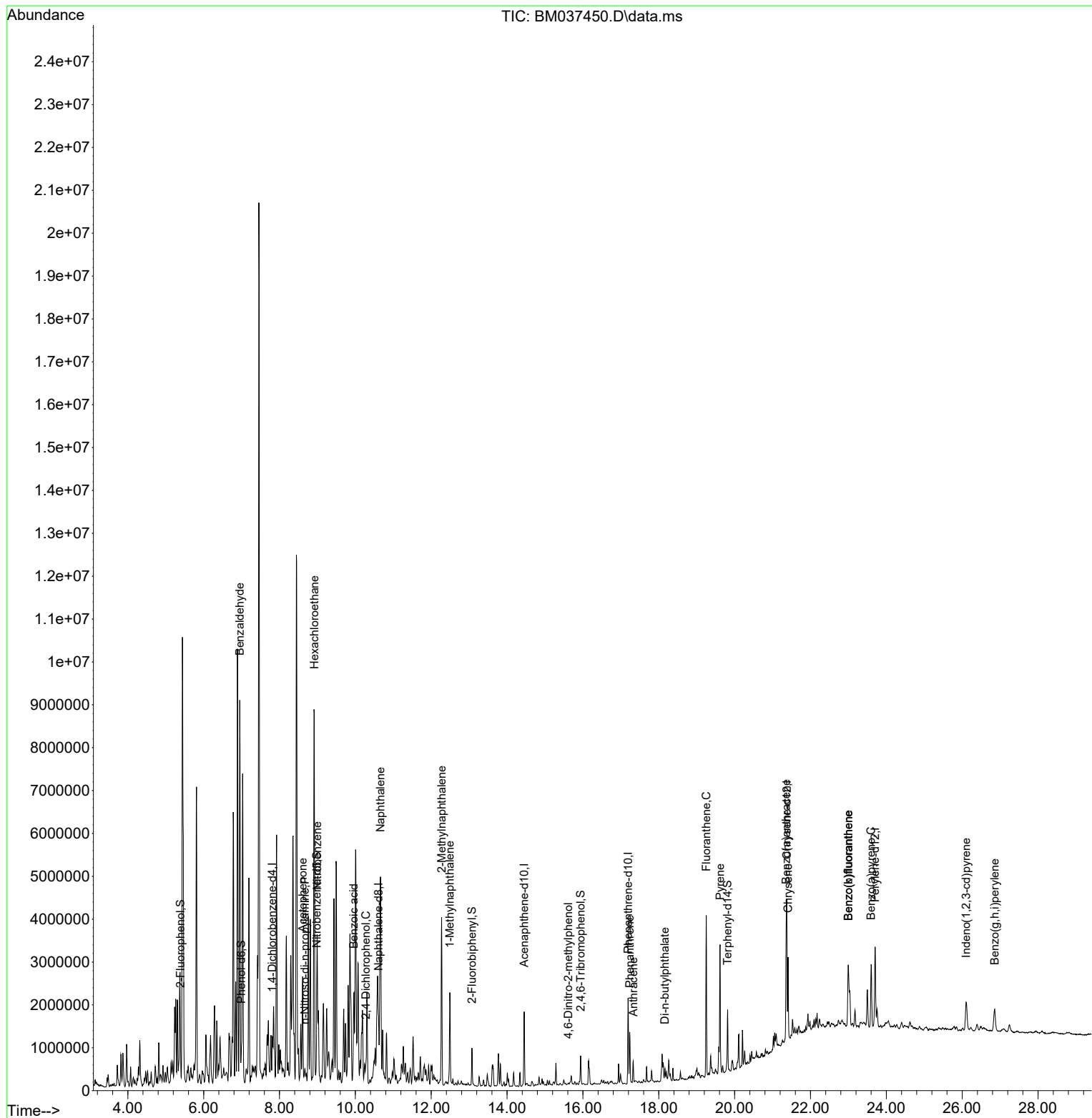
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	281157	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1051429	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	566843	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1100331	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1155296	20.000	ng	0.00
86) Perylene-d12	23.703	264	1300090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	315605	19.393	ng	0.00
7) Phenol-d6	6.992	99	378794	17.150	ng	-0.01
23) Nitrobenzene-d5	8.981	82	224805	10.787	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	121559	18.197	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	436300	10.227	ng	-0.02
79) Terphenyl-d14	19.815	244	622052	9.656	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.951	77	407626	36.460	ng	# 1
18) Hexachloroethane	8.916	117	871243	110.654	ng	# 1
19) n-Nitroso-di-n-propyla...	8.669	70	31784	2.169	ng	# 63
22) Acetophenone	8.610	105	1628655	59.595	ng	# 56
24) Nitrobenzene	8.992	77	99956	4.731	ng	# 5
29) 2,4-Dichlorophenol	10.275	162	61513	3.817	ng	# 29
31) Naphthalene	10.663	128	2597672	43.607	ng	97
32) Benzoic acid	9.957	122	299	6.997	ng	# 1
37) 2-Methylnaphthalene	12.275	142	1783204	44.182	ng	99
38) 1-Methylnaphthalene	12.492	142	939710	23.829	ng	99
65) 4,6-Dinitro-2-methylph...	15.615	198	111	5.027	ng	# 1
71) Phenanthrene	17.233	178	697659	10.220	ng	100
72) Anthracene	17.327	178	309391	4.787	ng	99
74) Di-n-butylphthalate	18.162	149	245820	3.755	ng	99
75) Fluoranthene	19.251	202	2073706	28.737	ng	98
78) Pyrene	19.615	202	1725032	19.418	ng	100
81) Benzo(a)anthracene	21.356	228	1194773	14.526	ng	99
83) Chrysene	21.409	228	984971	12.430	ng	98
87) Indeno(1,2,3-cd)pyrene	26.103	276	661897	6.218	ng	# 94
88) Benzo(b)fluoranthene	22.997	252	1375157	15.236	ng	99
89) Benzo(k)fluoranthene	22.997	252	1375157	14.937	ng	99
90) Benzo(a)pyrene	23.597	252	1053651	14.327	ng	98
92) Benzo(g,h,i)perylene	26.856	276	622432	7.235	ng	97

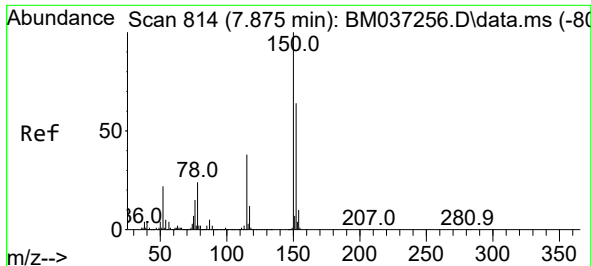
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037450.D
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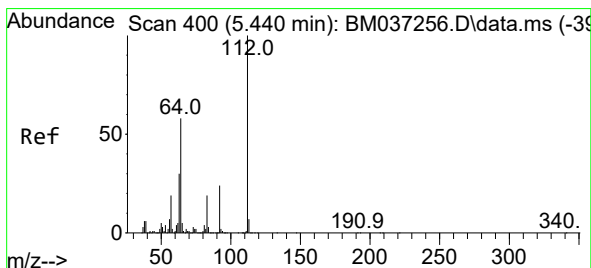
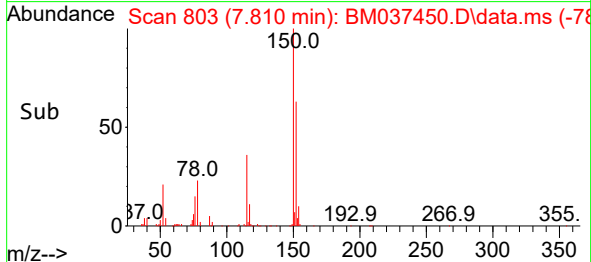
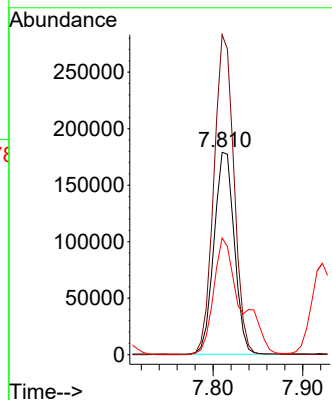
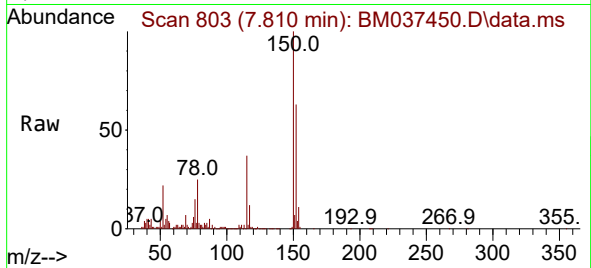




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

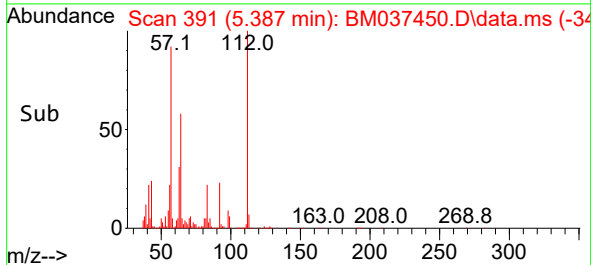
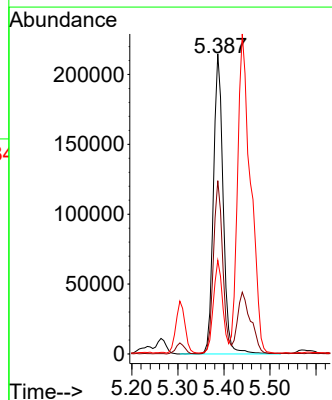
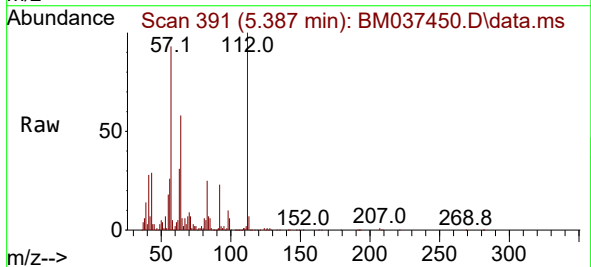
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

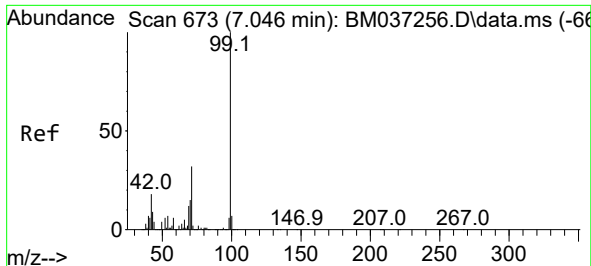
Tgt Ion:152 Resp: 281157
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 57.7 47.0 70.4



#5
2-Fluorophenol
Concen: 19.393 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:112 Resp: 315605
Ion Ratio Lower Upper
112 100
64 57.7 46.8 70.2
63 31.2 24.4 36.6

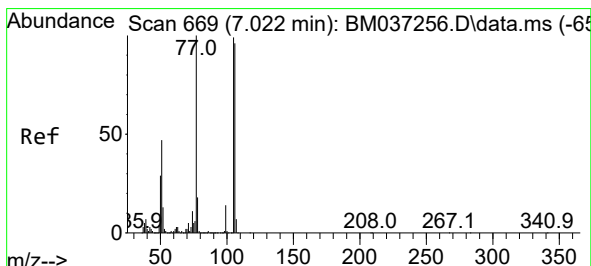
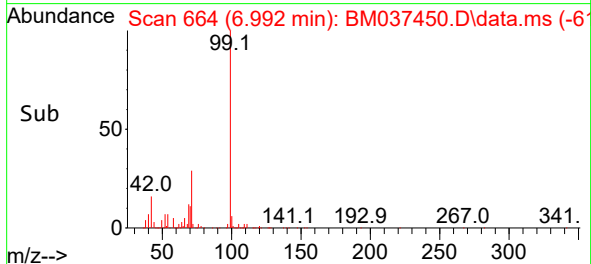
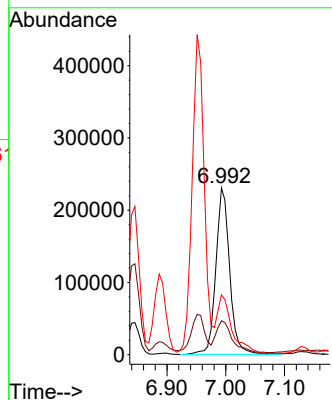
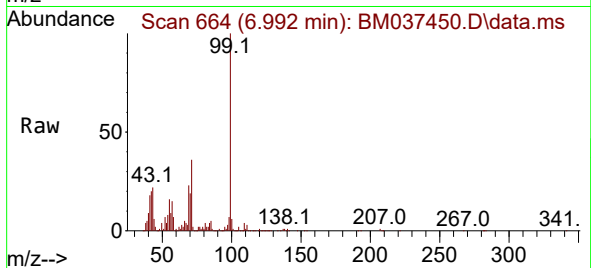




#7
Phenol-d6
Concen: 17.150 ng
RT: 6.992 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

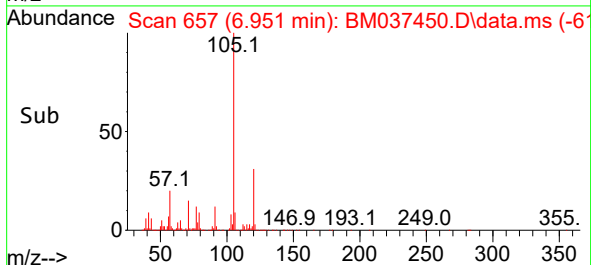
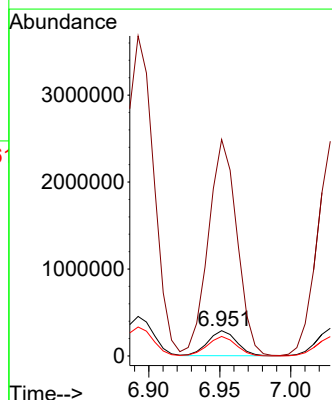
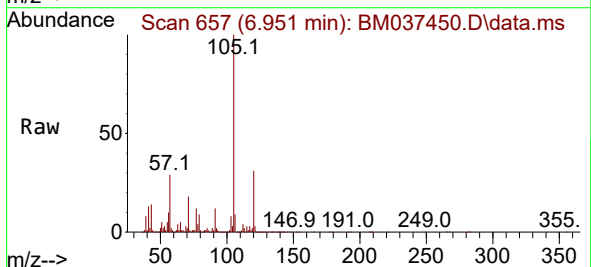
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

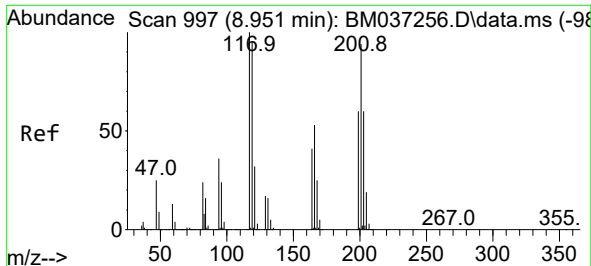
Tgt Ion: 99 Resp: 378794
Ion Ratio Lower Upper
99 100
42 20.4 14.8 22.2
71 35.8 25.6 38.4



#9
Benzaldehyde
Concen: 36.460 ng
RT: 6.951 min Scan# 657
Delta R.T. -0.024 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion: 77 Resp: 407626
Ion Ratio Lower Upper
77 100
105 855.2 78.6 118.6#
106 76.9 75.8 115.8

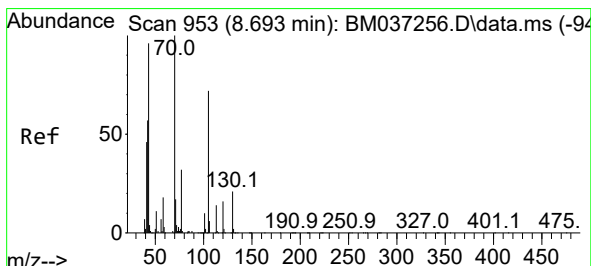
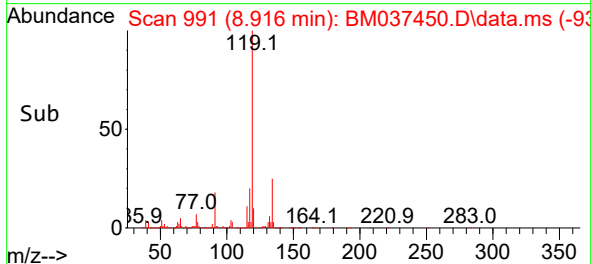
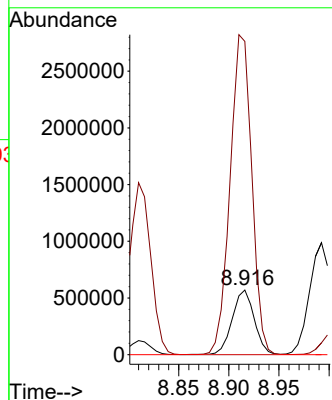
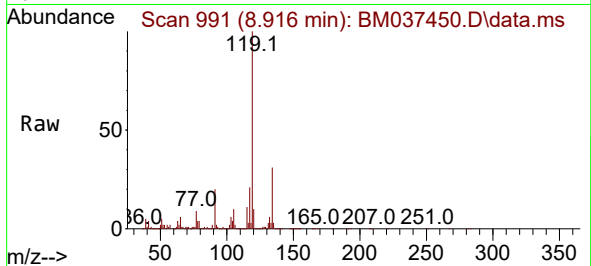




#18
Hexachloroethane
Concen: 110.654 ng
RT: 8.916 min Scan# 991
Delta R.T. 0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

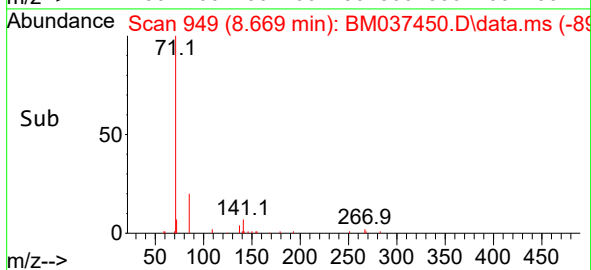
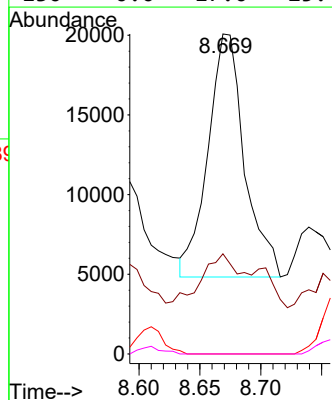
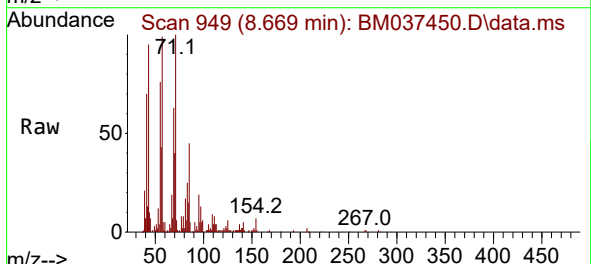
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

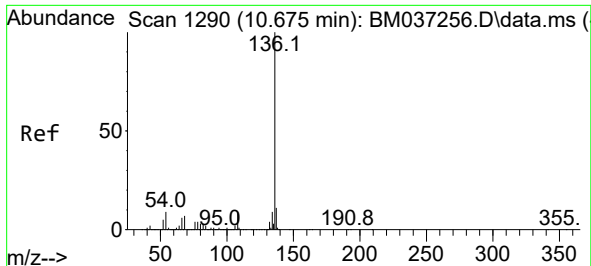
Tgt Ion:117 Resp: 871243
Ion Ratio Lower Upper
117 100
119 484.7 75.9 113.9#
201 0.0 75.0 112.4#



#19
n-Nitroso-di-n-propylamine
Concen: 2.169 ng
RT: 8.669 min Scan# 949
Delta R.T. 0.024 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion: 70 Resp: 31784
Ion Ratio Lower Upper
70 100
42 31.3 46.4 69.6#
101 0.0 7.8 11.8#
130 0.0 17.0 25.4#



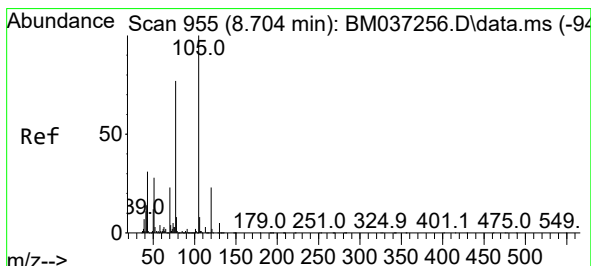
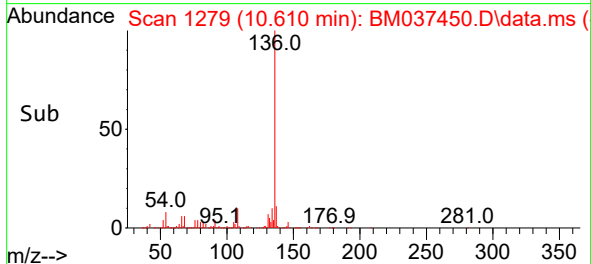
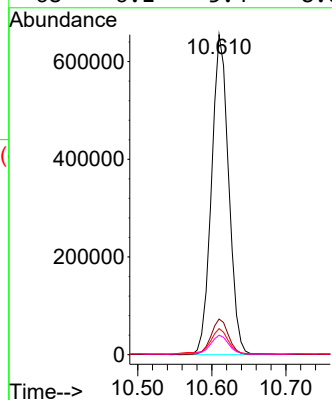
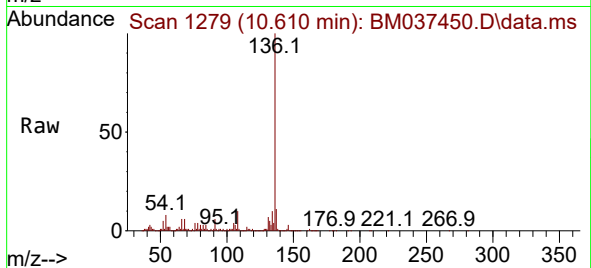


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

Tgt Ion:136 Resp: 1051429

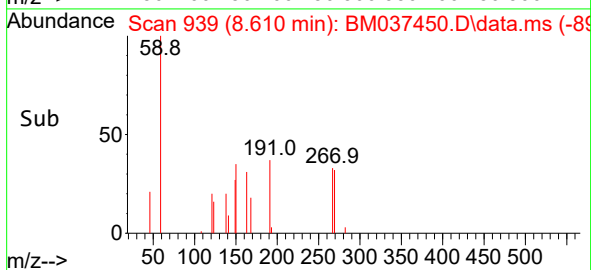
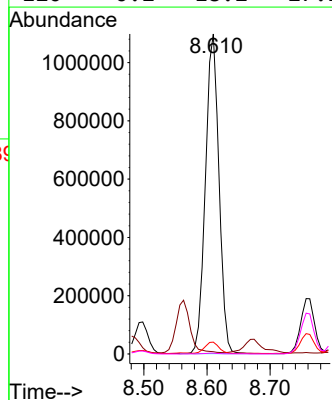
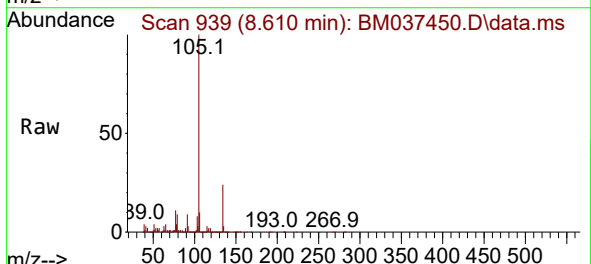
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.1	7.0	10.4
68	6.1	5.4	8.0

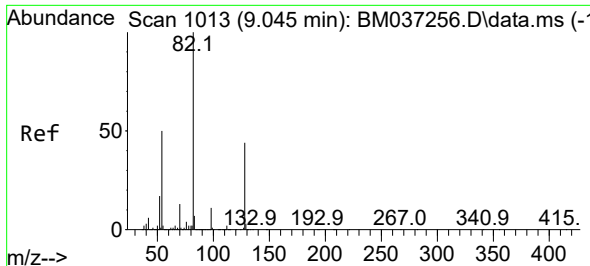


#22
Acetophenone
Concen: 59.595 ng
RT: 8.610 min Scan# 939
Delta R.T. -0.047 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:105 Resp: 1628655

Ion	Ratio	Lower	Upper
105	100		
71	0.7	3.0	4.4#
51	3.7	22.1	33.1#
120	0.2	18.2	27.2#





#23

Nitrobenzene-d5

Concen: 10.787 ng

RT: 8.981 min Scan# 1002

Delta R.T. -0.018 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

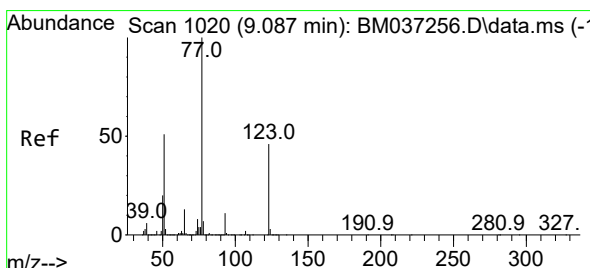
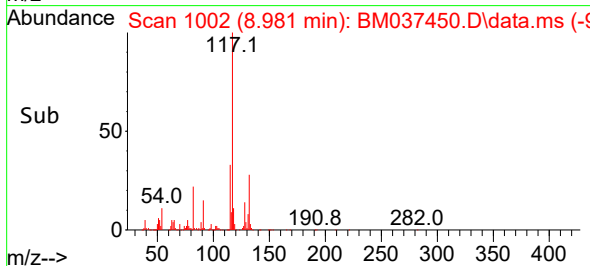
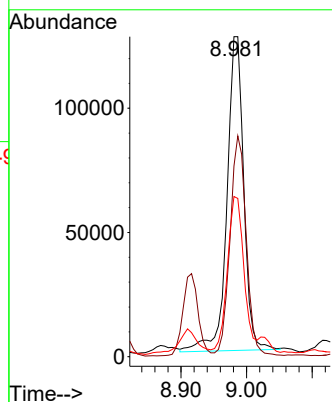
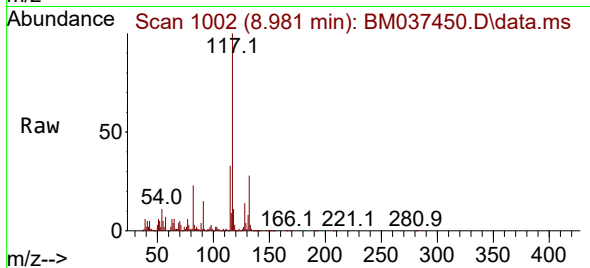
Tgt Ion: 82 Resp: 224805

Ion Ratio Lower Upper

82 100

128 59.5 35.2 52.8#

54 50.1 40.4 60.6



#24

Nitrobenzene

Concen: 4.731 ng

RT: 8.992 min Scan# 1004

Delta R.T. -0.047 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

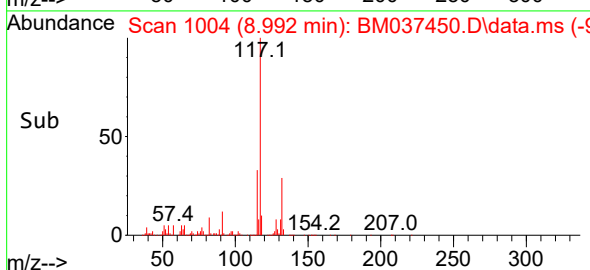
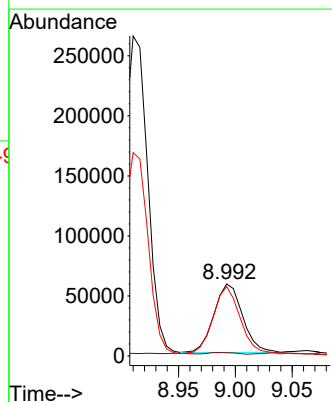
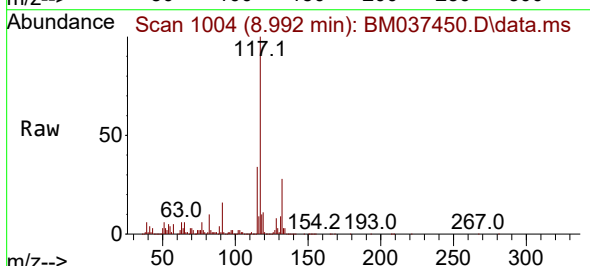
Tgt Ion: 77 Resp: 99956

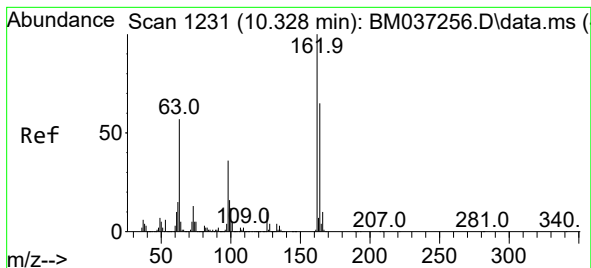
Ion Ratio Lower Upper

77 100

123 4.4 36.6 55.0#

65 96.2 10.6 16.0#





#29

2,4-Dichlorophenol

Concen: 3.817 ng

RT: 10.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

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ClientSampleId :

PL-05-110722DL

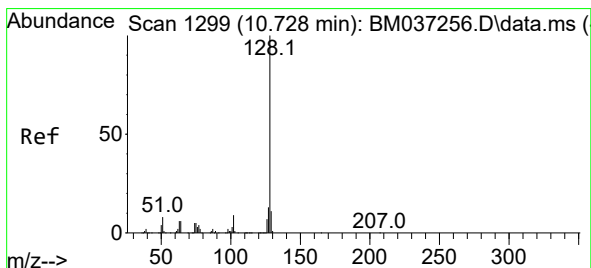
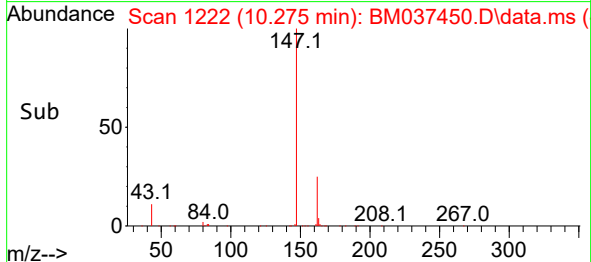
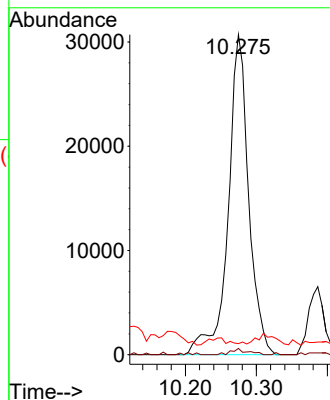
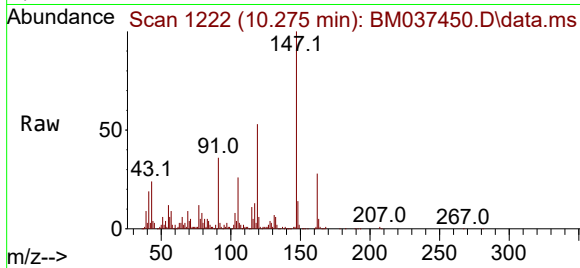
Tgt Ion:162 Resp: 61513

Ion Ratio Lower Upper

162 100

164 2.0 45.0 85.0#

98 3.5 16.2 56.2#



#31

Naphthalene

Concen: 43.607 ng

RT: 10.663 min Scan# 1288

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

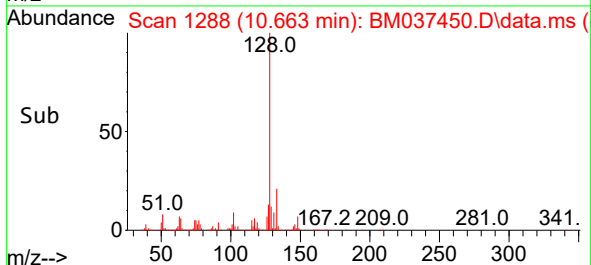
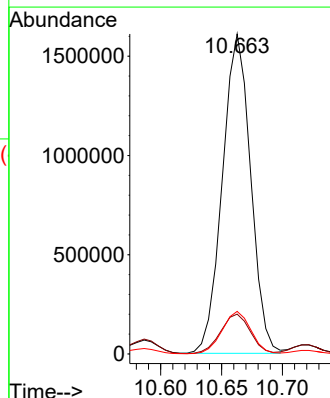
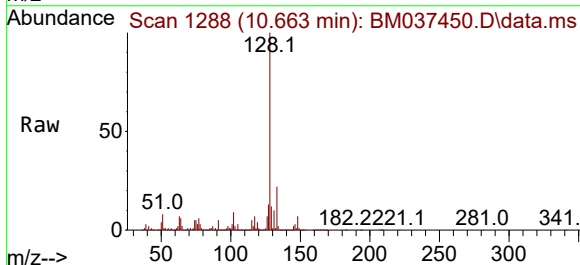
Tgt Ion:128 Resp: 2597672

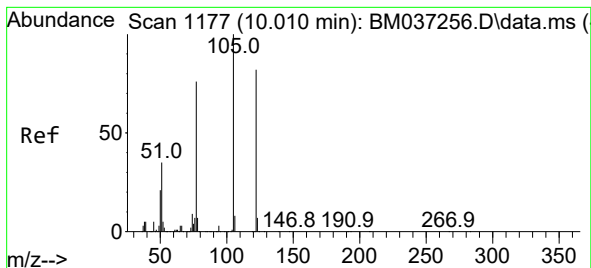
Ion Ratio Lower Upper

128 100

129 12.5 8.7 13.1

127 13.3 10.2 15.2





#32

Benzoic acid

Concen: 6.997 ng

RT: 9.957 min Scan# 1177

Delta R.T. -0.018 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

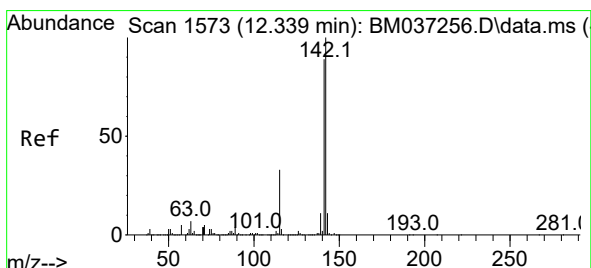
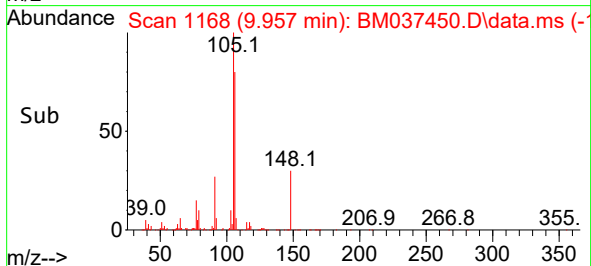
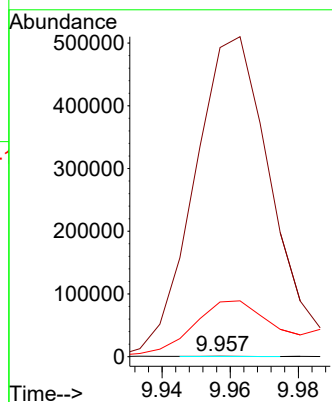
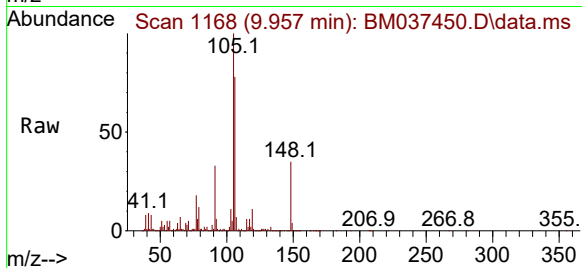
Tgt Ion:122 Resp: 299

Ion Ratio Lower Upper

122 100

105 71950.9 100.1 140.1#

77 12734.6 71.7 111.7#



#37

2-Methylnaphthalene

Concen: 44.182 ng

RT: 12.275 min Scan# 1562

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

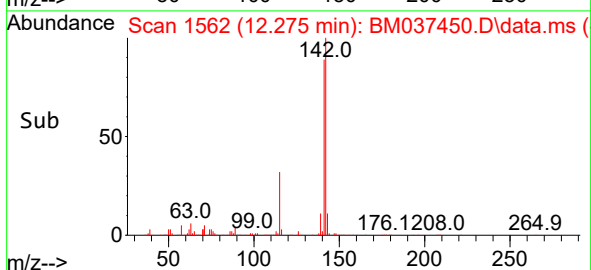
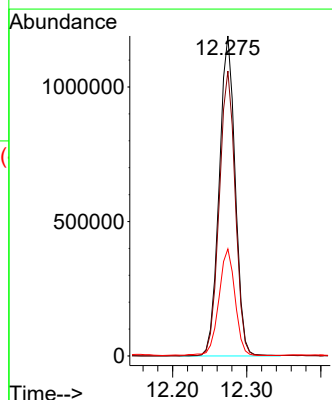
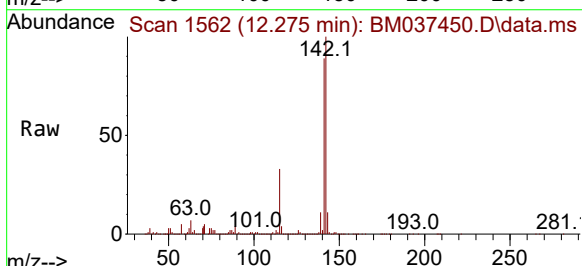
Tgt Ion:142 Resp: 1783204

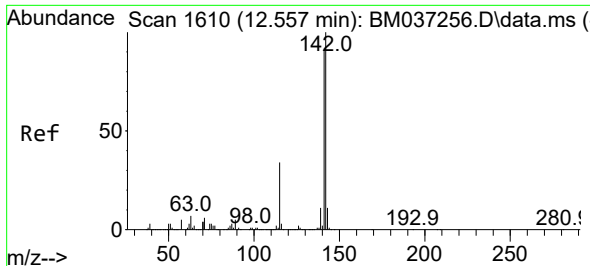
Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

115 33.5 26.0 39.0

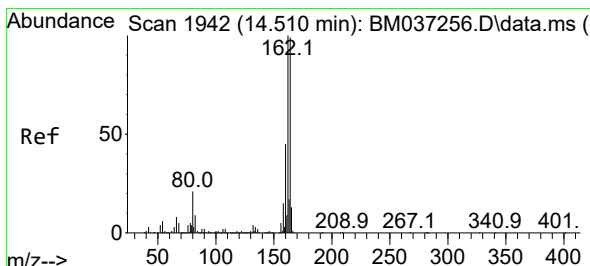
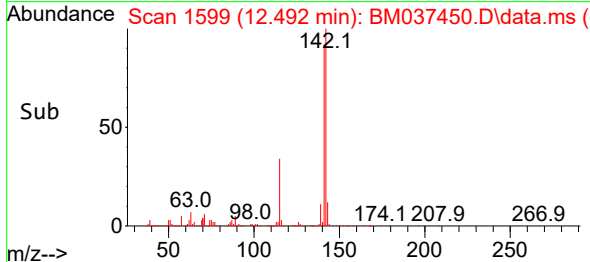
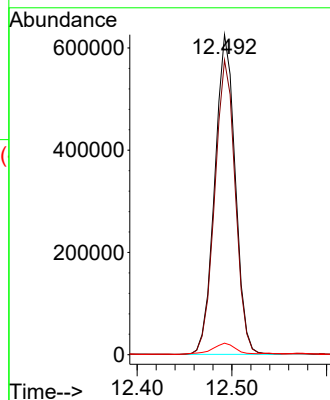
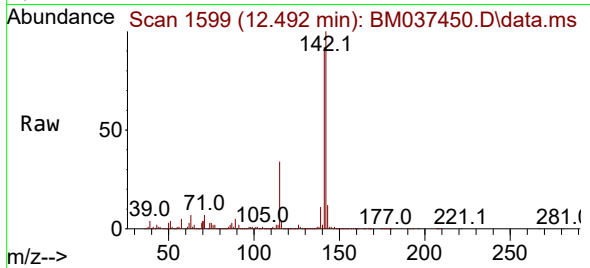




#38
1-Methylnaphthalene
Concen: 23.829 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

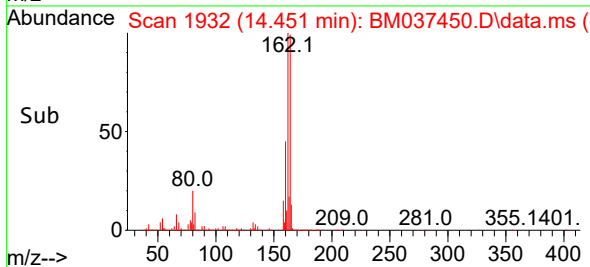
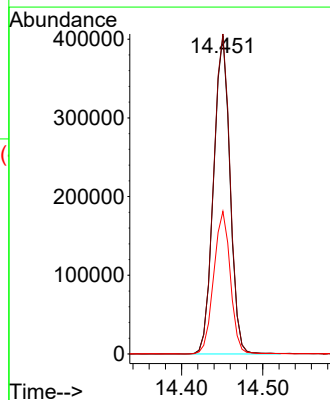
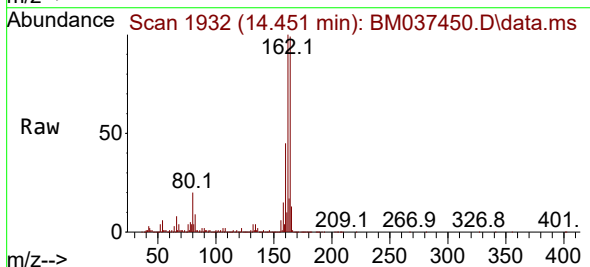
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

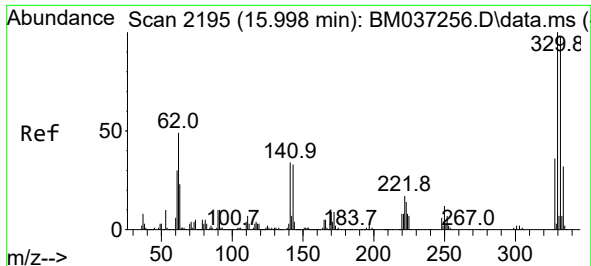
Tgt Ion:142 Resp: 939710
Ion Ratio Lower Upper
142 100
141 92.0 73.0 109.6
116 3.6 2.8 4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:164 Resp: 566843
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.8 36.2 54.4

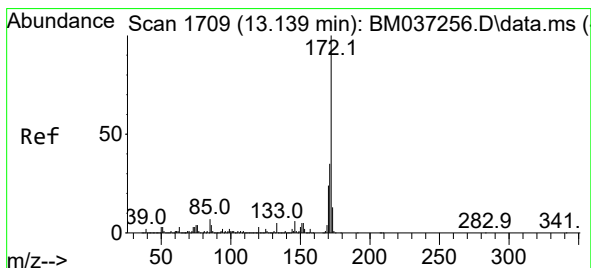
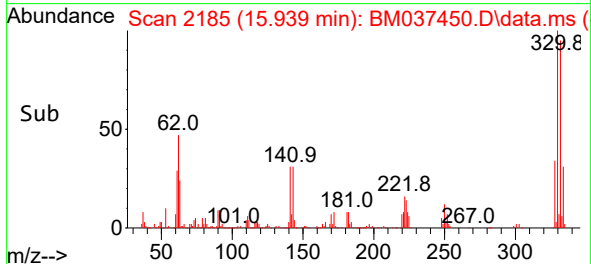
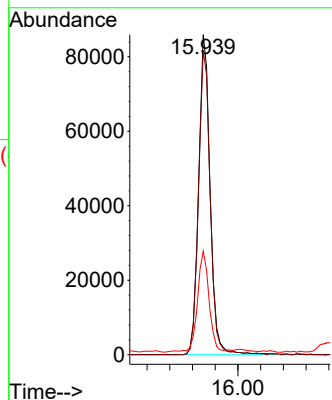
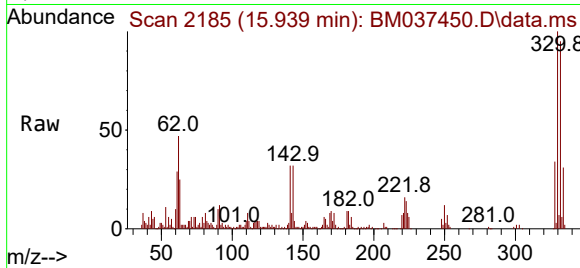




#42
2,4,6-Tribromophenol
Concen: 18.197 ng
RT: 15.939 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

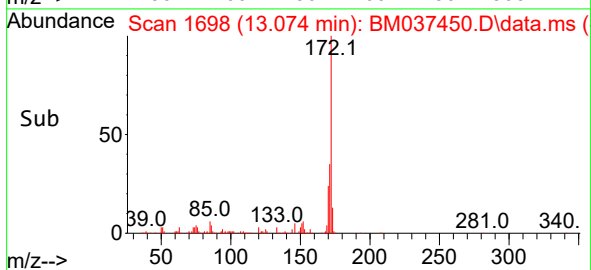
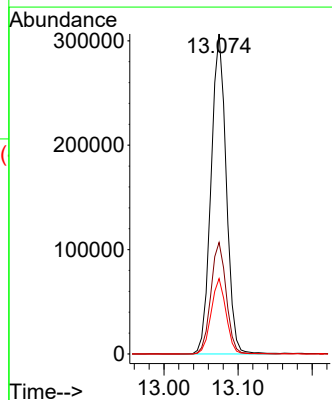
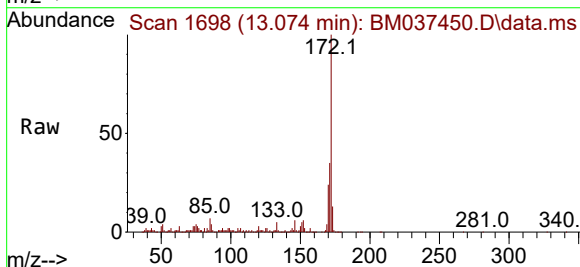
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

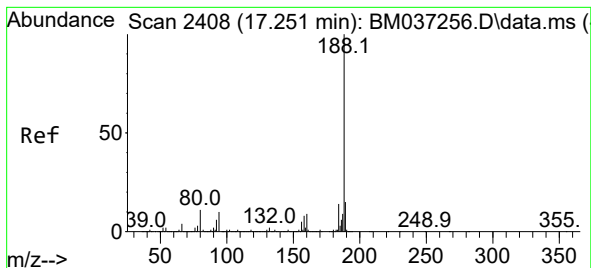
Tgt Ion:330 Resp: 121559
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 31.5 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 10.227 ng
RT: 13.074 min Scan# 1698
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:172 Resp: 436300
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.6 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

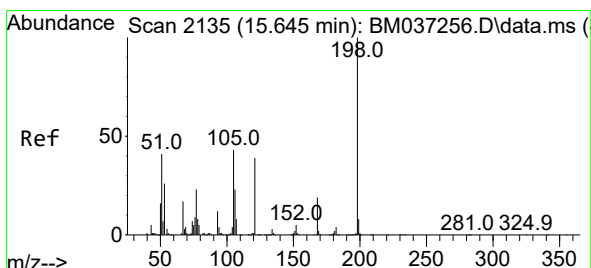
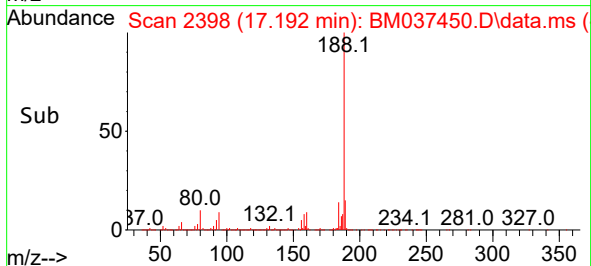
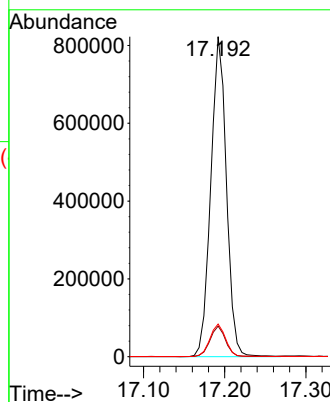
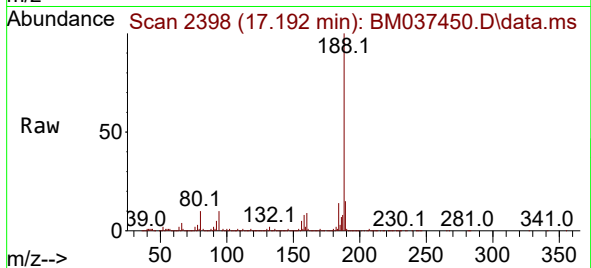
Tgt Ion:188 Resp: 1100331

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.2 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 5.027 ng

RT: 15.615 min Scan# 2130

Delta R.T. 0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

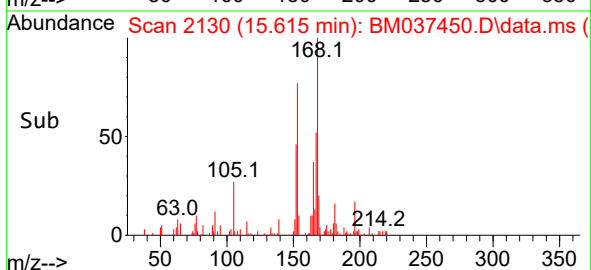
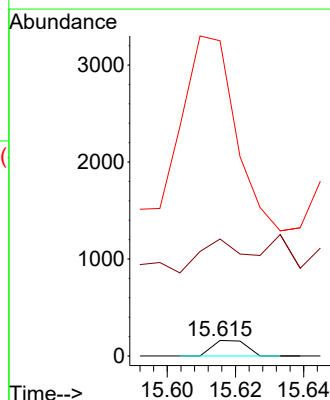
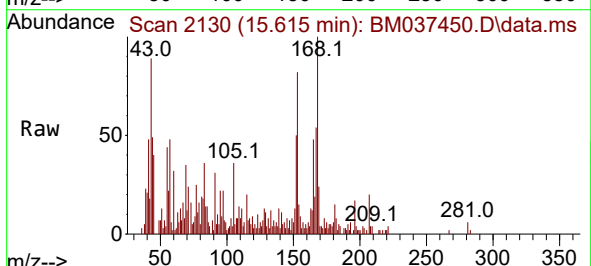
Tgt Ion:198 Resp: 111

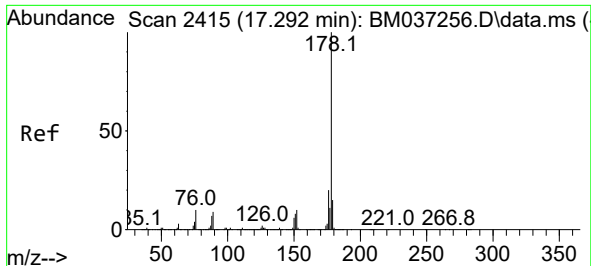
Ion Ratio Lower Upper

198 100

51 754.4 26.8 66.8#

105 2031.9 24.1 64.1#

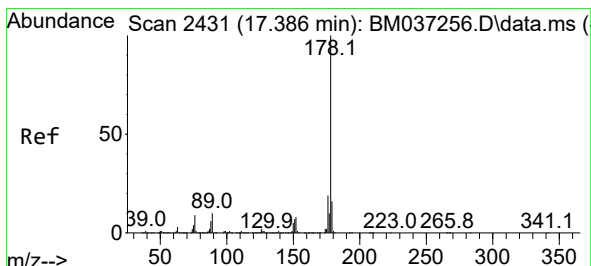
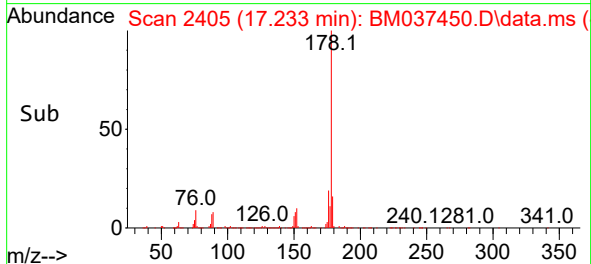
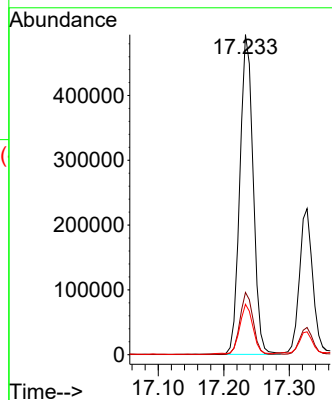
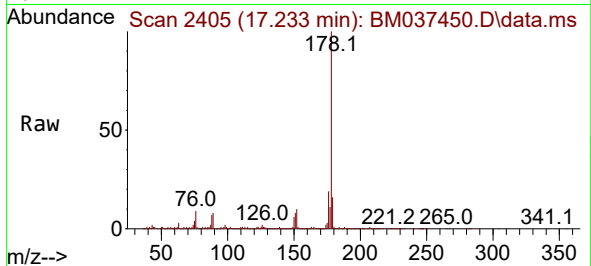




#71
Phenanthrene
Concen: 10.220 ng
RT: 17.233 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

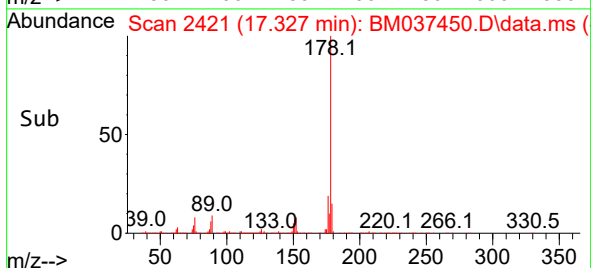
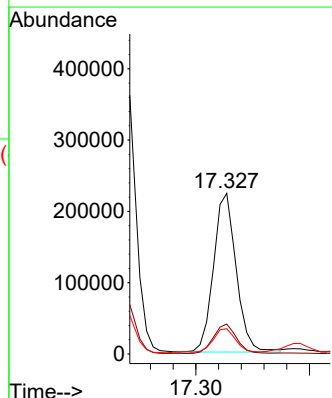
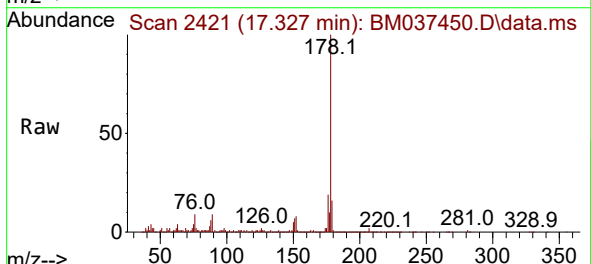
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

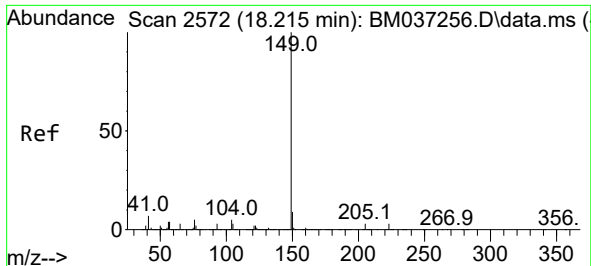
Tgt Ion:178 Resp: 697659
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.7 12.4 18.6



#72
Anthracene
Concen: 4.787 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:178 Resp: 309391
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.7 12.6 19.0

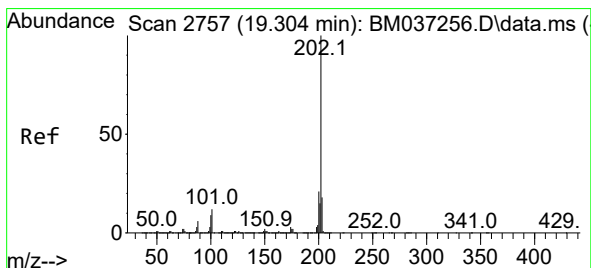
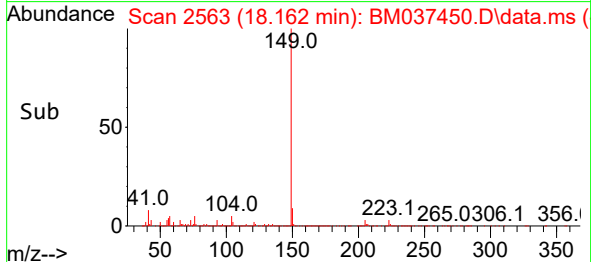
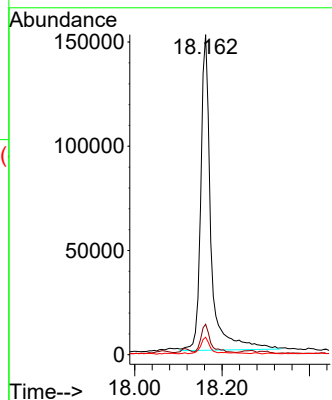
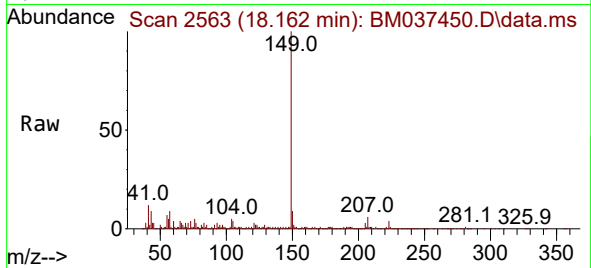




#74
Di-n-butylphthalate
Concen: 3.755 ng
RT: 18.162 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

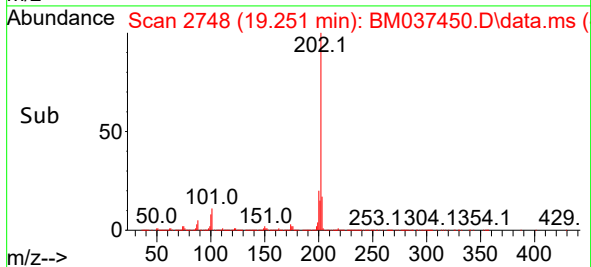
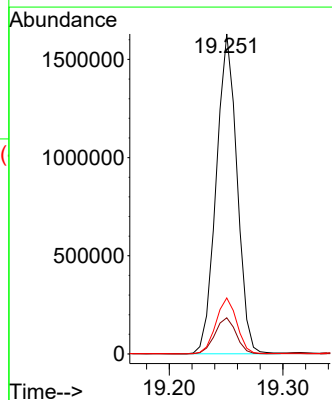
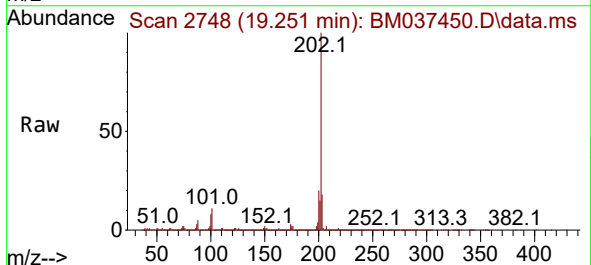
Instrument :
BNA_M
ClientSampleId :
PL-05-110722DL

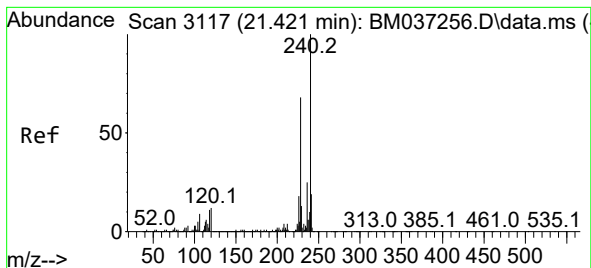
Tgt Ion:149 Resp: 245820
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.5 4.0 6.0



#75
Fluoranthene
Concen: 28.737 ng
RT: 19.251 min Scan# 2748
Delta R.T. -0.012 min
Lab File: BM037450.D
Acq: 10 Nov 2022 14:20

Tgt Ion:202 Resp: 2073706
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.4
203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.374 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

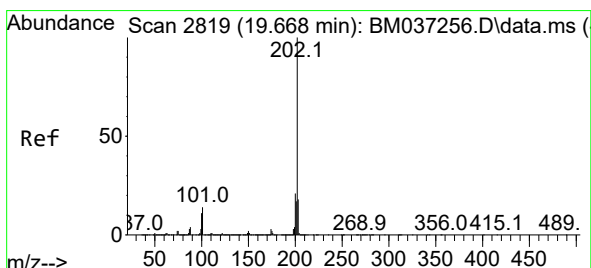
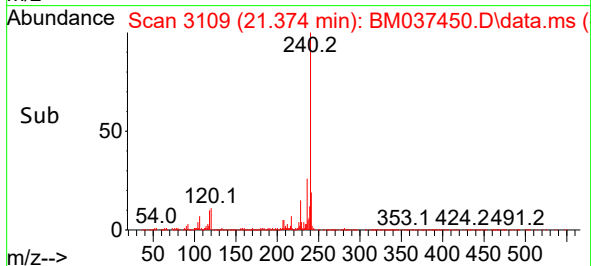
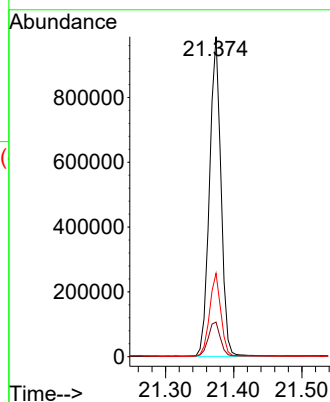
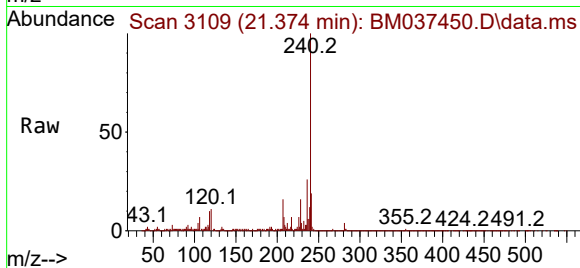
Tgt Ion:240 Resp: 1155296

Ion Ratio Lower Upper

240 100

120 10.8 9.9 14.9

236 26.0 20.3 30.5



#78

Pyrene

Concen: 19.418 ng

RT: 19.615 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

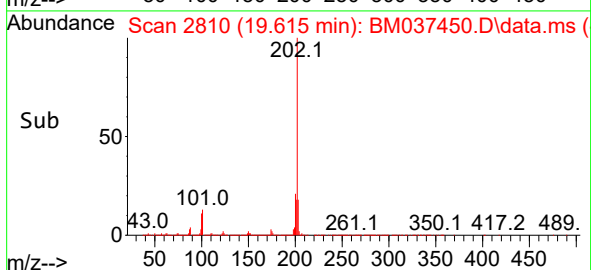
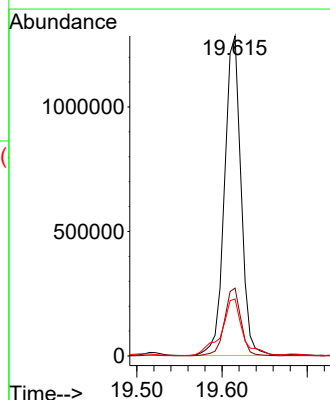
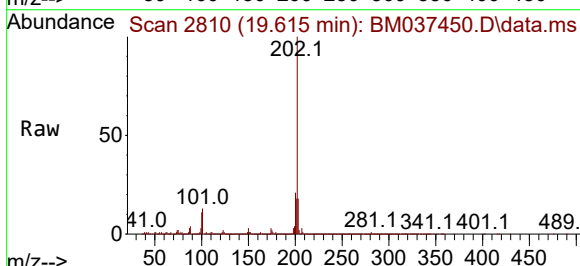
Tgt Ion:202 Resp: 1725032

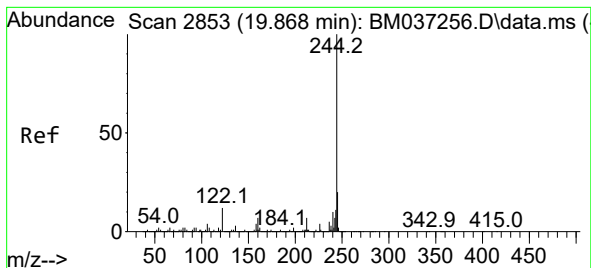
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 9.656 ng

RT: 19.815 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

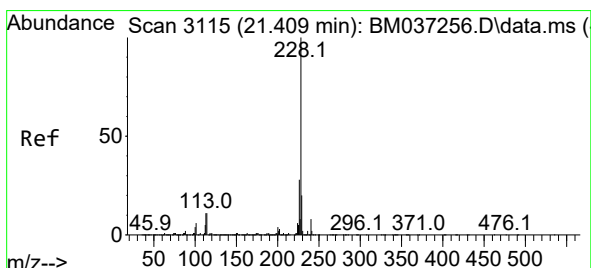
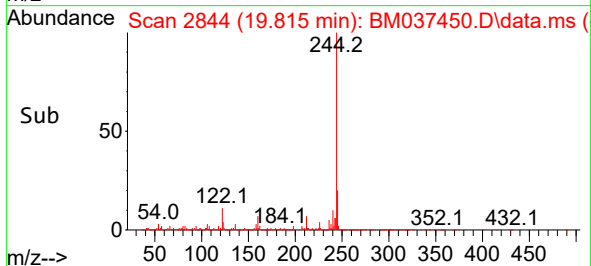
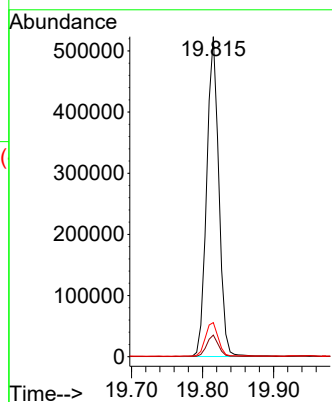
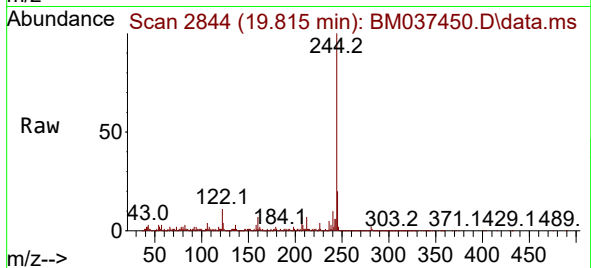
Tgt Ion:244 Resp: 622052

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.6 9.4 14.2



#81

Benzo(a)anthracene

Concen: 14.526 ng

RT: 21.356 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

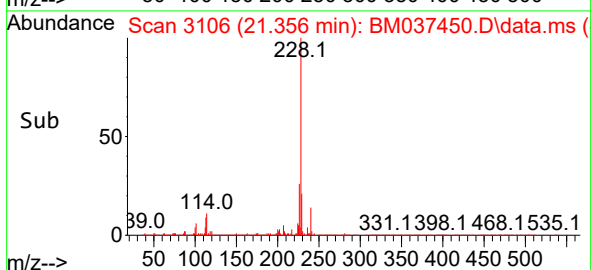
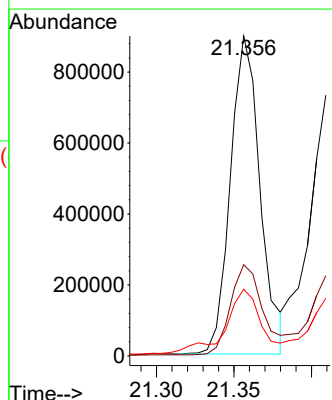
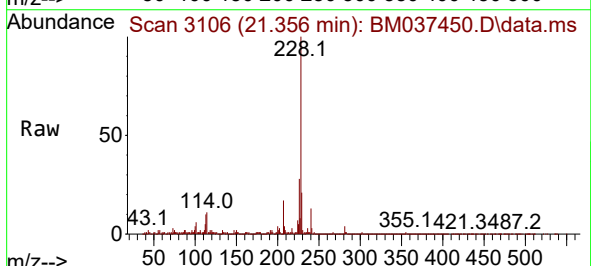
Tgt Ion:228 Resp: 1194773

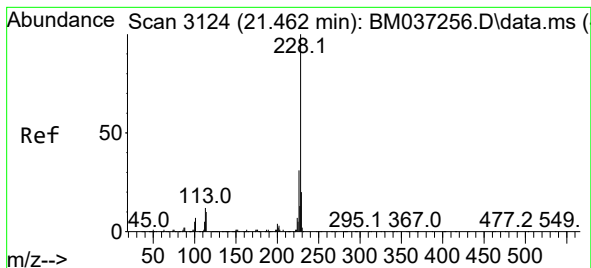
Ion Ratio Lower Upper

228 100

226 28.5 22.3 33.5

229 20.8 16.2 24.2





#83

Chrysene

Concen: 12.430 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

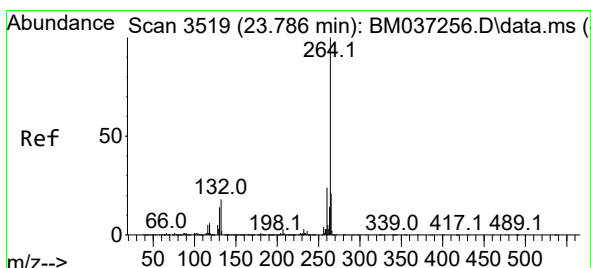
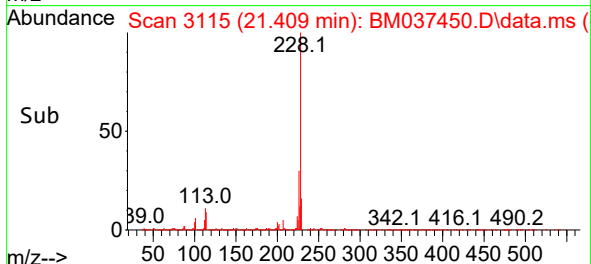
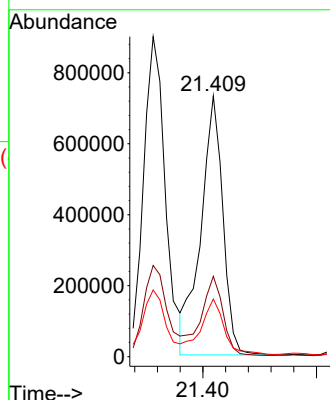
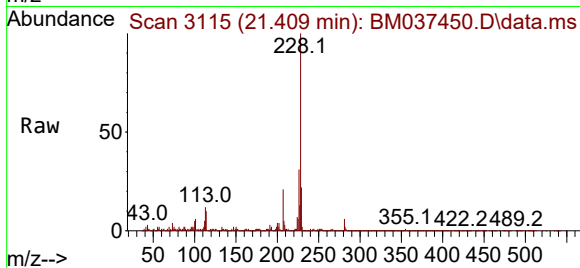
Tgt Ion:228 Resp: 984971

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 22.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.703 min Scan# 3505

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

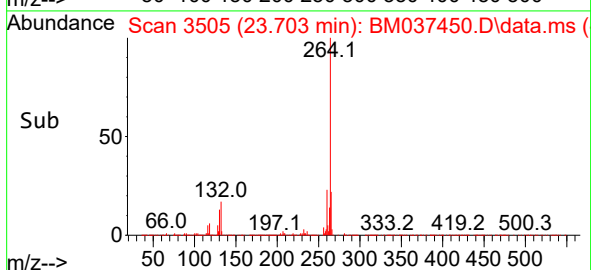
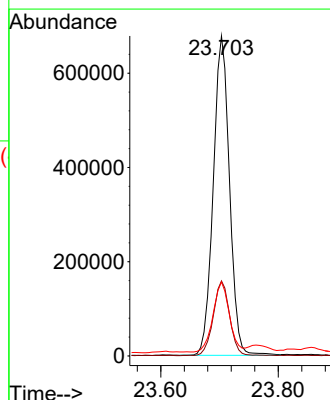
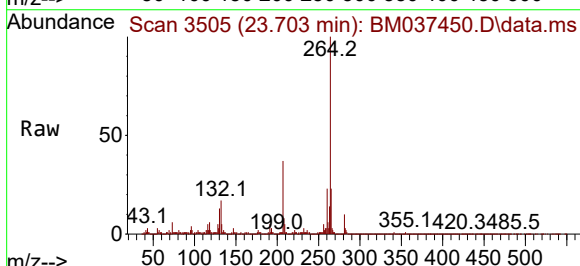
Tgt Ion:264 Resp: 1300090

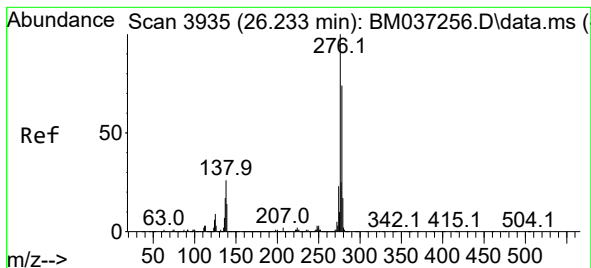
Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 23.1 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.218 ng

RT: 26.103 min Scan# 3913

Delta R.T. -0.029 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

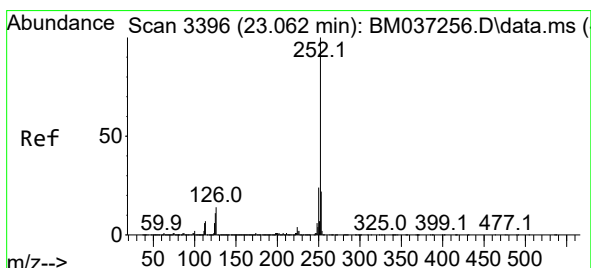
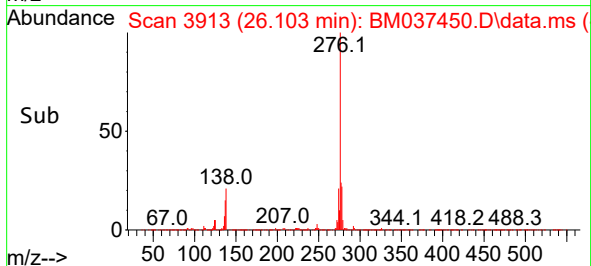
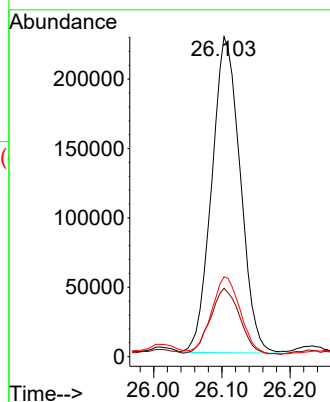
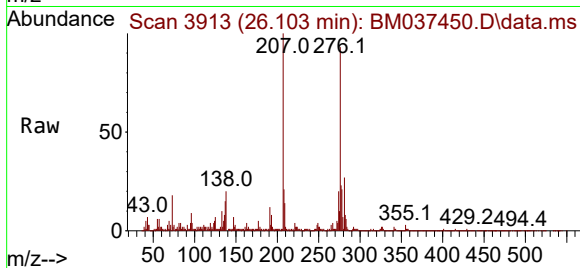
Tgt Ion:276 Resp: 661897

Ion Ratio Lower Upper

276 100

138 21.5 21.5 32.3#

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 15.236 ng

RT: 22.997 min Scan# 3385

Delta R.T. -0.006 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

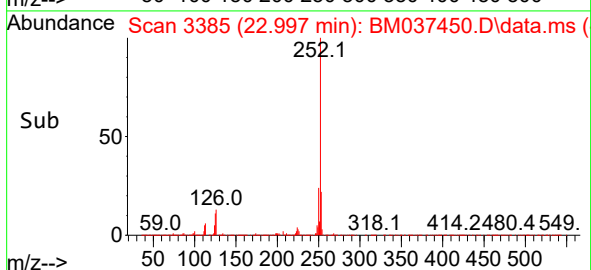
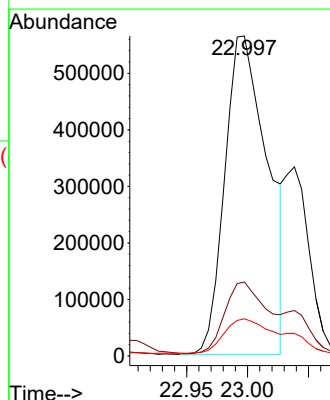
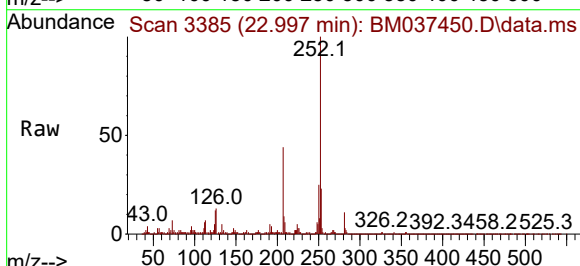
Tgt Ion:252 Resp: 1375157

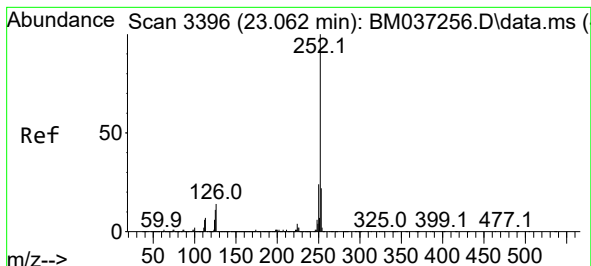
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 11.6 9.1 13.7





#89

Benzo(k)fluoranthene

Concen: 14.937 ng

RT: 22.997 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL

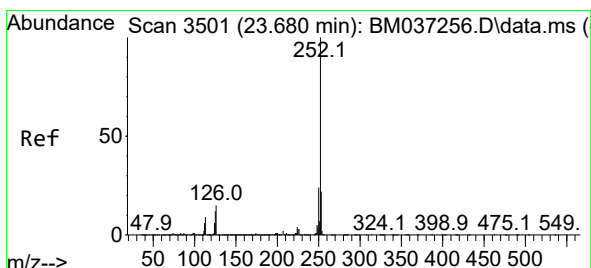
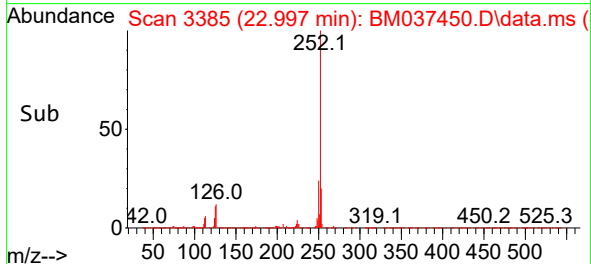
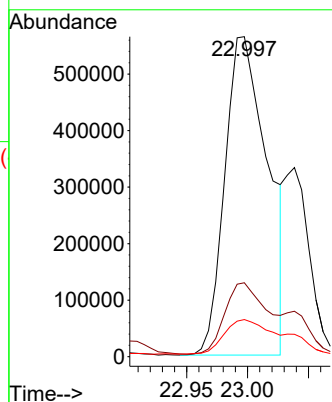
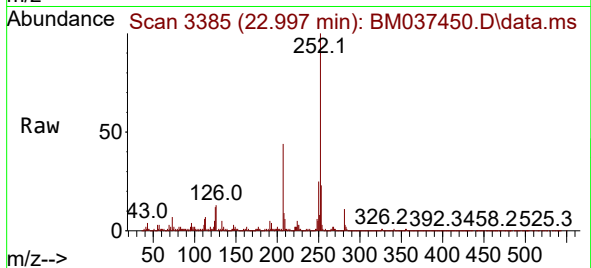
Tgt Ion:252 Resp: 1375157

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 11.6 9.1 13.7



#90

Benzo(a)pyrene

Concen: 14.327 ng

RT: 23.597 min Scan# 3487

Delta R.T. -0.012 min

Lab File: BM037450.D

Acq: 10 Nov 2022 14:20

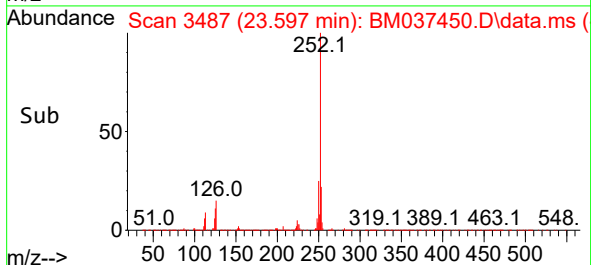
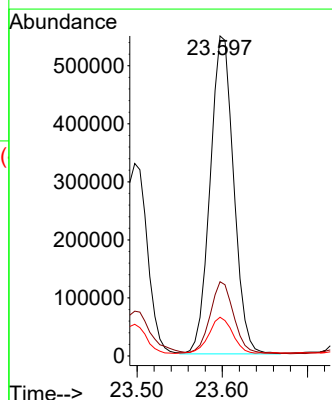
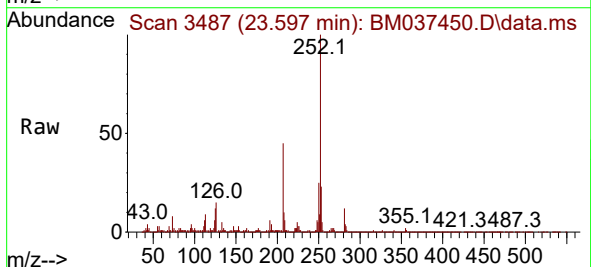
Tgt Ion:252 Resp: 1053651

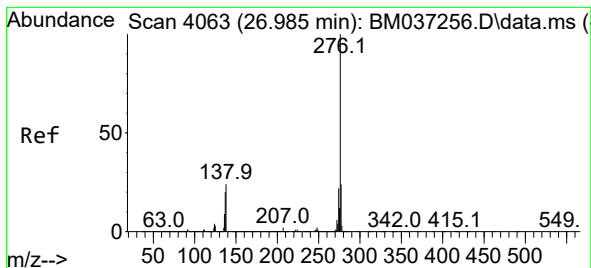
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 12.1 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 7.235 ng

RT: 26.856 min Scan# 40

Delta R.T. -0.024 min

Lab File: BM037450.D

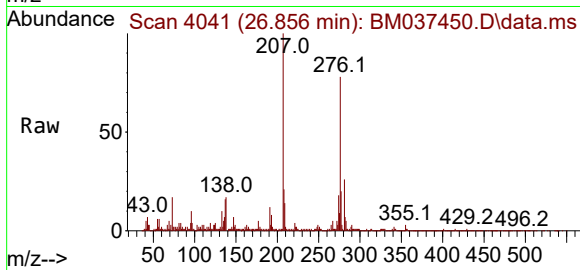
Acq: 10 Nov 2022 14:20

Instrument :

BNA_M

ClientSampleId :

PL-05-110722DL



Tgt Ion:276 Resp: 622432

Ion Ratio Lower Upper

276 100

277 25.4 19.4 29.2

138 21.7 18.9 28.3

