

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022023\
 Data File : BM038800.D
 Acq On : 20 Feb 2023 23:19
 Operator : CG/JU
 Sample : 0159301
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-13-SB01

Quant Time: Feb 21 02:11:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 02:04:34 2023
 Response via : Initial Calibration

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

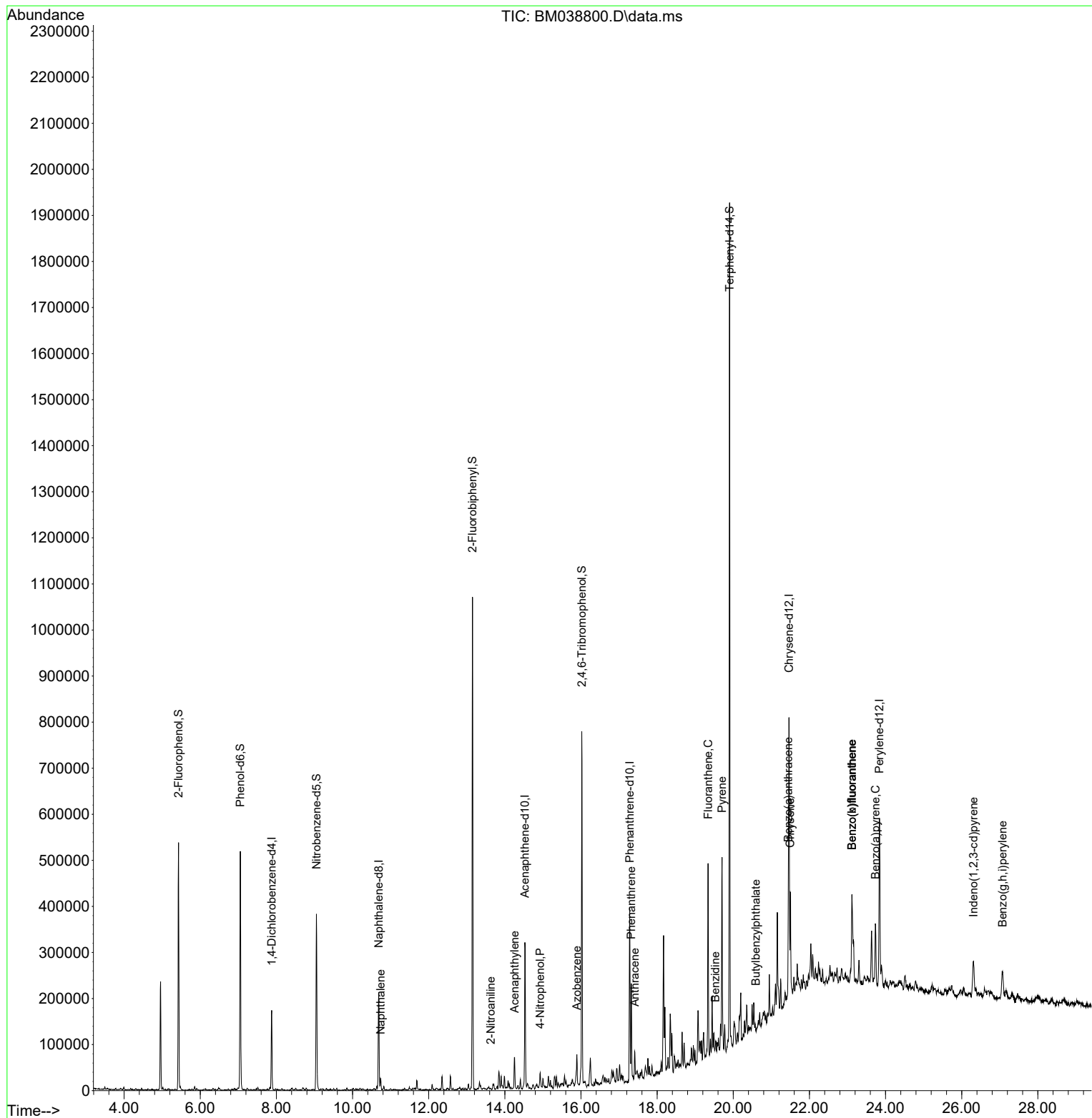
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	47793	20.000	ng	0.00
21) Naphthalene-d8	10.686	136	172466	20.000	ng	0.00
39) Acenaphthene-d10	14.527	164	103565	20.000	ng	-0.01
64) Phenanthrene-d10	17.280	188	204825	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	196696	20.000	ng	0.00
86) Perylene-d12	23.839	264	245645	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	231508	94.889	ng	0.00
7) Phenol-d6	7.051	99	286856	103.088	ng	0.00
23) Nitrobenzene-d5	9.051	82	200946	66.180	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	122832	87.259	ng	-0.01
45) 2-Fluorobiphenyl	13.151	172	499310	61.379	ng	0.00
79) Terphenyl-d14	19.904	244	696495	62.487	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.739	128	18938	2.140	ng	99
48) 2-Nitroaniline	13.633	65	65	2.213	ng	# 5
49) Acenaphthylene	14.257	152	46992	4.622	ng	99
56) 4-Nitrophenol	14.927	139	3995	2.900	ng	# 12
63) Azobenzene	15.892	77	16110	2.615	ng	# 1
71) Phenanthrene	17.321	178	110494	9.085	ng	98
72) Anthracene	17.410	178	38089	3.061	ng	100
75) Fluoranthene	19.339	202	191924	15.030	ng	97
77) Benzidine	19.527	184	496	3.192	ng	# 1
78) Pyrene	19.704	202	223085	14.731	ng	99
80) Butylbenzylphthalate	20.592	149	824	2.050	ng	# 27
81) Benzo(a)anthracene	21.445	228	106664	7.666	ng	96
83) Chrysene	21.498	228	118373	8.830	ng	98
87) Indeno(1,2,3-cd)pyrene	26.309	276	77187	3.989	ng	97
88) Benzo(b)fluoranthene	23.115	252	150770	10.247	ng	# 98
89) Benzo(k)fluoranthene	23.115	252	150770	10.091	ng	# 97
90) Benzo(a)pyrene	23.733	252	90179	6.198	ng	95
92) Benzo(g,h,i)perylene	27.074	276	71192	4.326	ng	97

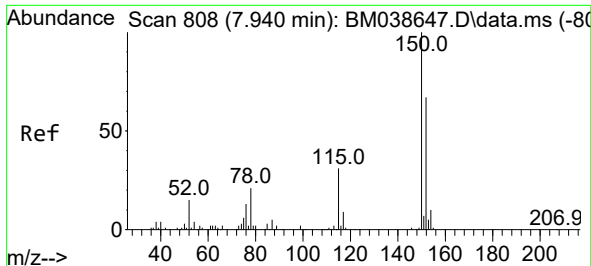
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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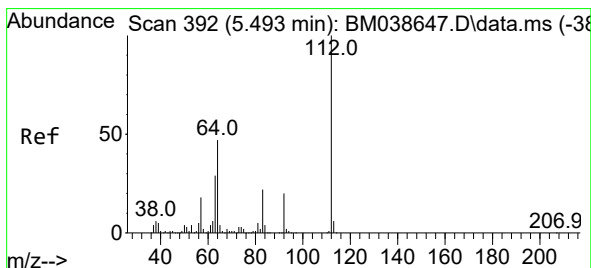
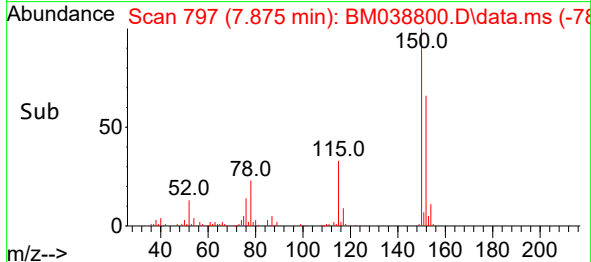
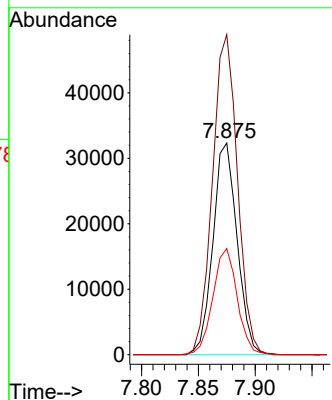
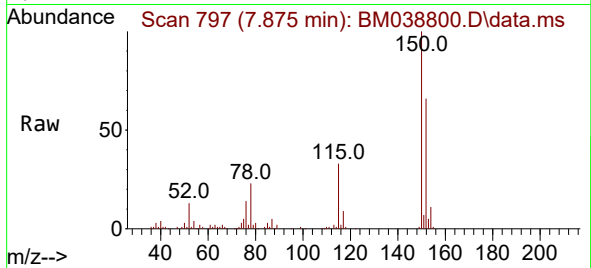




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

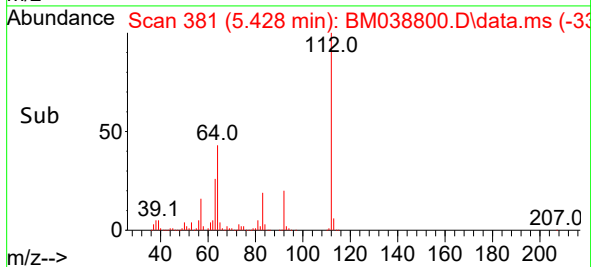
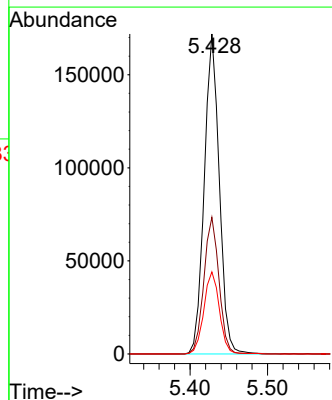
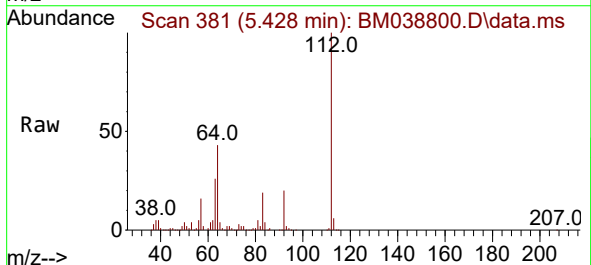
Instrument :
BNA_M
ClientSampleId :
B-13-SB01

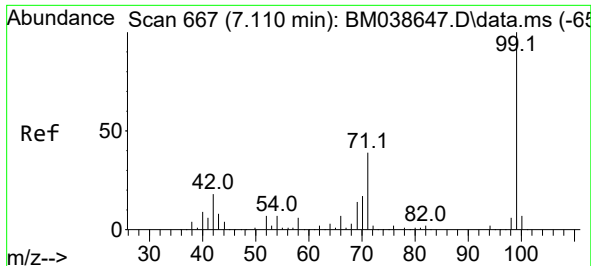
Tgt Ion:152 Resp: 47793
Ion Ratio Lower Upper
152 100
150 151.1 119.5 179.3
115 50.1 37.6 56.4



#5
2-Fluorophenol
Concen: 94.889 ng
RT: 5.428 min Scan# 381
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:112 Resp: 231508
Ion Ratio Lower Upper
112 100
64 42.7 37.9 56.9
63 25.6 23.3 34.9

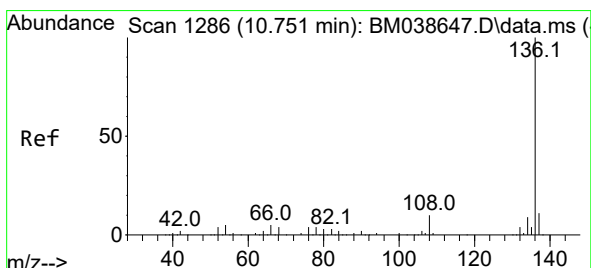
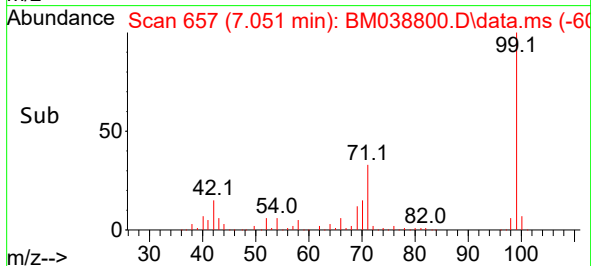
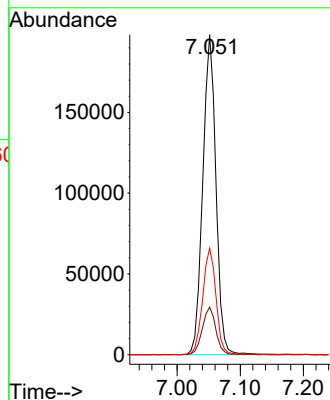
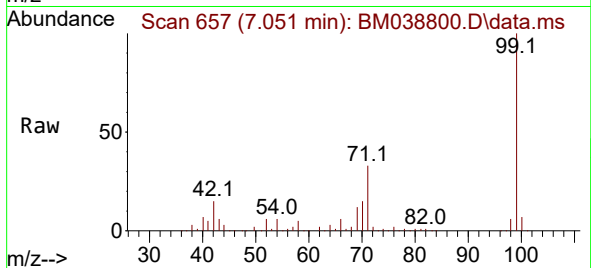




#7
Phenol-d6
Concen: 103.088 ng
RT: 7.051 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

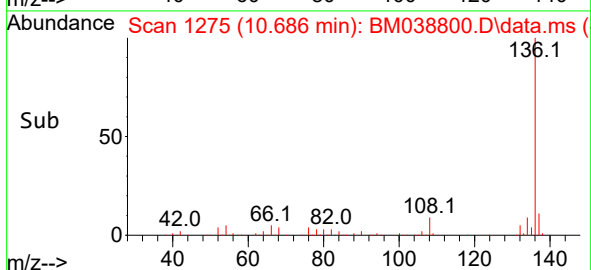
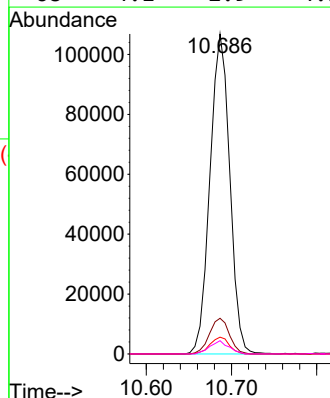
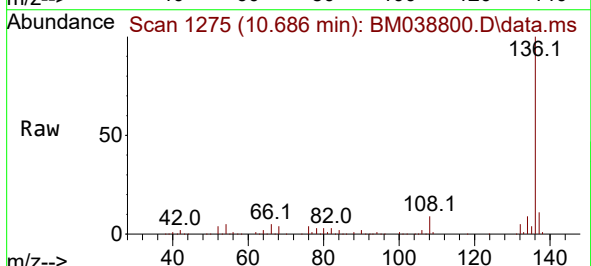
Instrument :
BNA_M
ClientSampleId :
B-13-SB01

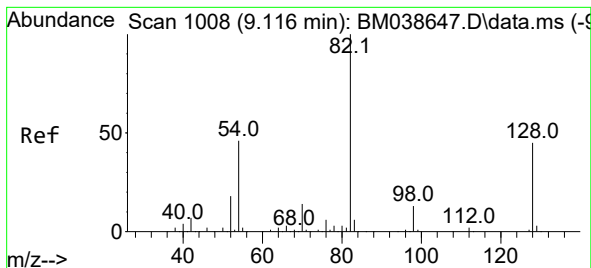
Tgt Ion: 99 Resp: 286856
Ion Ratio Lower Upper
99 100
42 14.9 14.6 22.0
71 33.3 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.686 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:136 Resp: 172466
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.3 4.2 6.4
68 4.1 2.9 4.3





#23

Nitrobenzene-d5

Concen: 66.180 ng

RT: 9.051 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

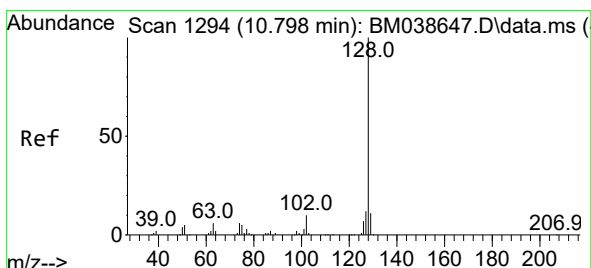
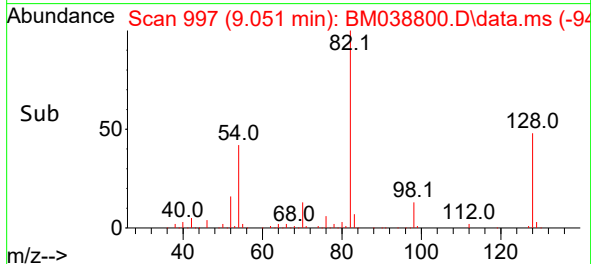
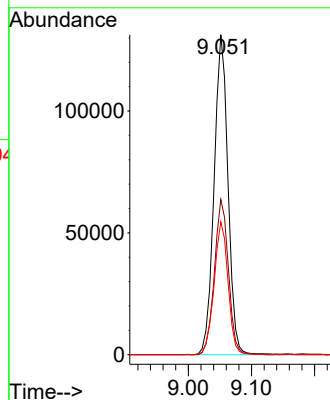
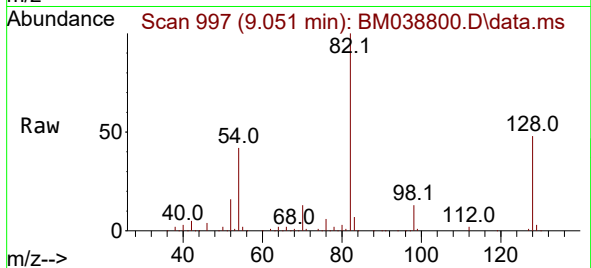
Tgt Ion: 82 Resp: 200946

Ion Ratio Lower Upper

82 100

128 48.5 36.0 54.0

54 41.5 36.8 55.2



#31

Naphthalene

Concen: 2.140 ng

RT: 10.739 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

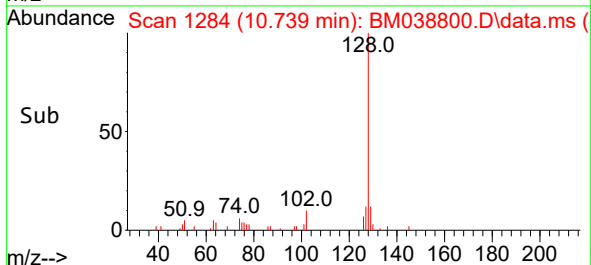
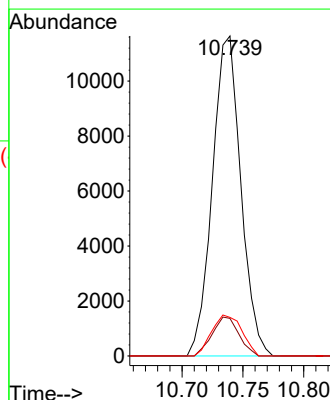
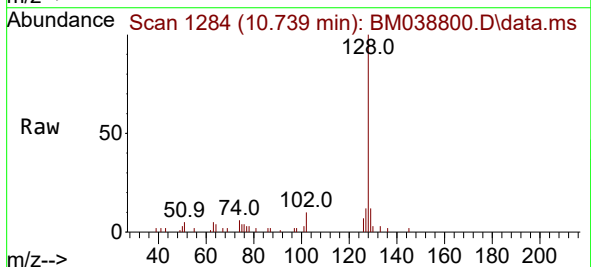
Tgt Ion:128 Resp: 18938

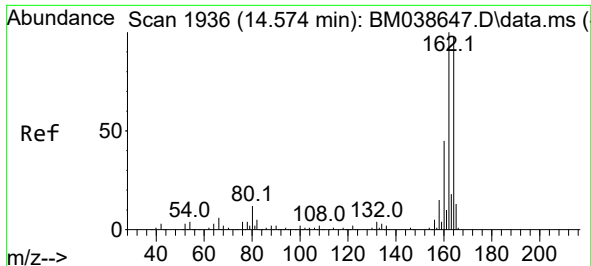
Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

127 12.0 9.9 14.9

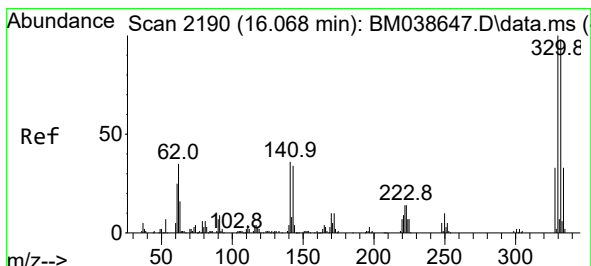
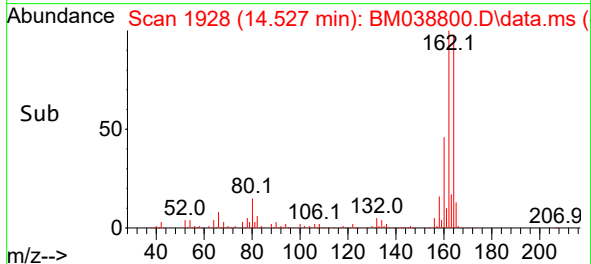
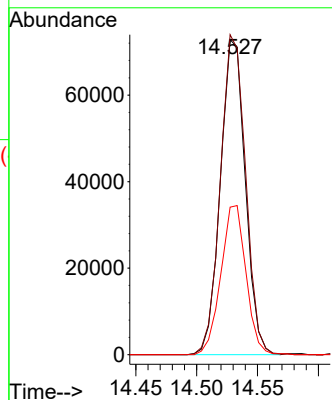
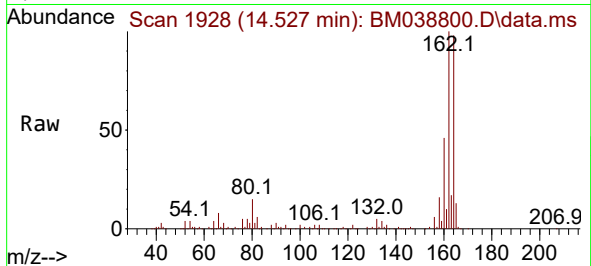




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.527 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

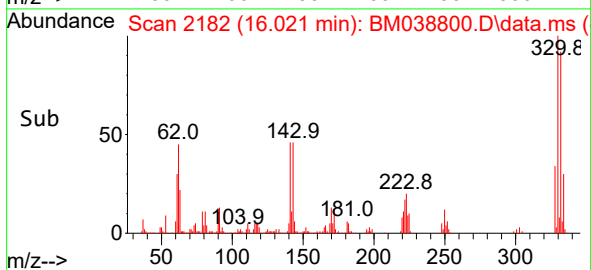
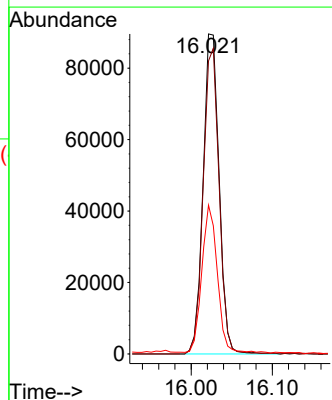
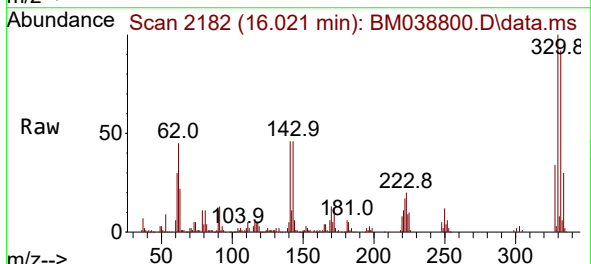
Instrument :
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B-13-SB01

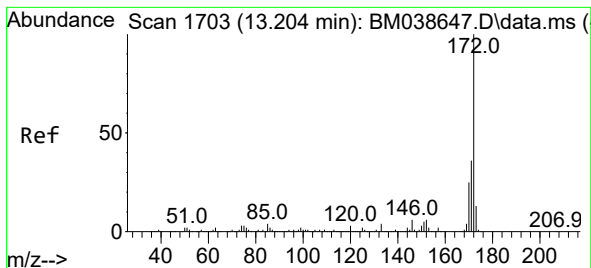
Tgt Ion:164 Resp: 103565
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 46.8 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 87.259 ng
RT: 16.021 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:330 Resp: 122832
Ion Ratio Lower Upper
330 100
332 94.6 77.8 116.6
141 45.1 31.0 46.6





#45

2-Fluorobiphenyl

Concen: 61.379 ng

RT: 13.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

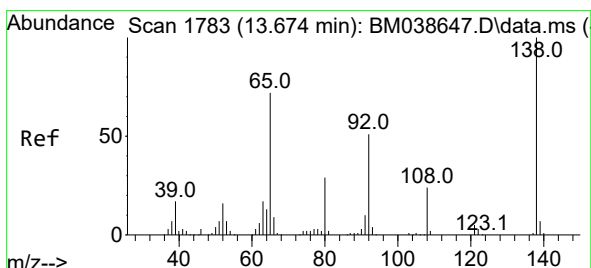
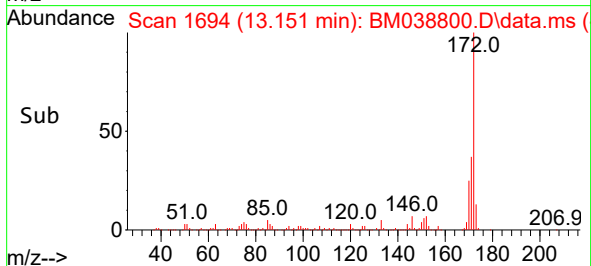
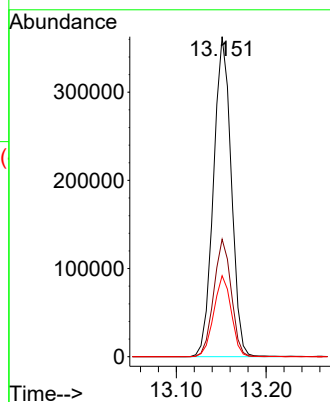
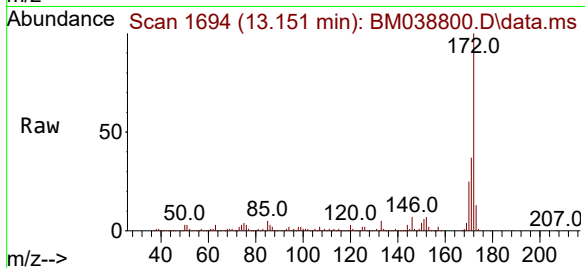
Tgt Ion:172 Resp: 499310

Ion Ratio Lower Upper

172 100

171 36.7 28.7 43.1

170 25.3 20.0 30.0



#48

2-Nitroaniline

Concen: 2.213 ng

RT: 13.633 min Scan# 1776

Delta R.T. 0.000 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

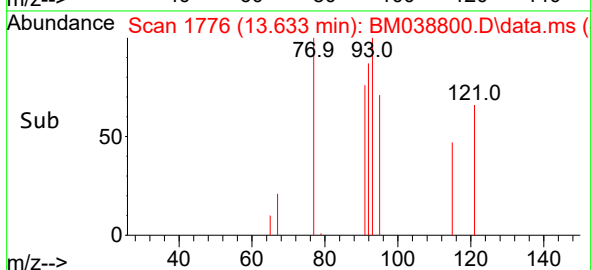
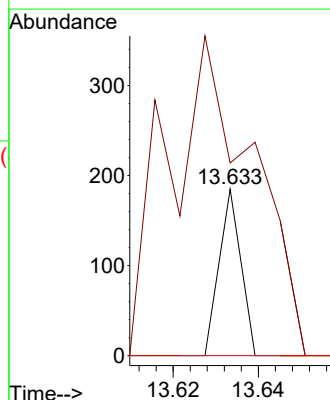
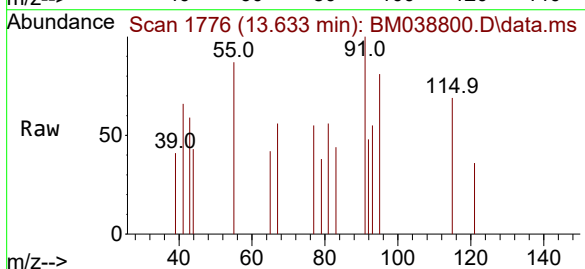
Tgt Ion: 65 Resp: 65

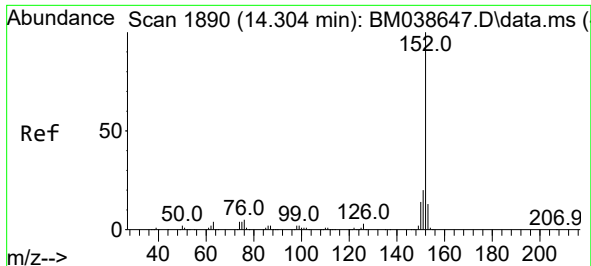
Ion Ratio Lower Upper

65 100

92 115.7 55.9 83.9#

138 0.0 110.6 166.0#

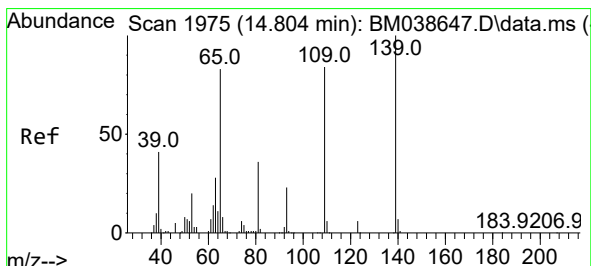
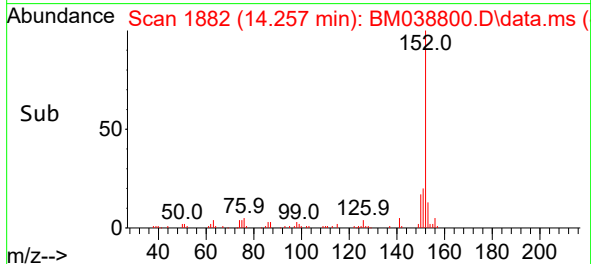
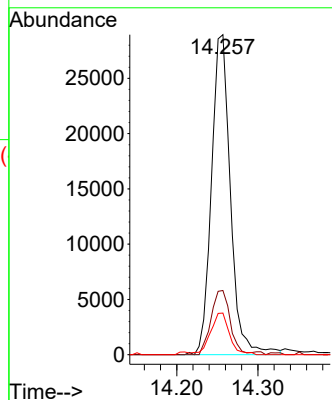
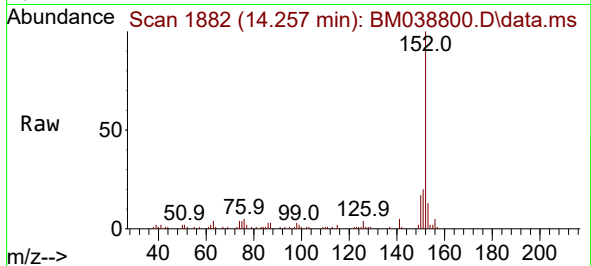




#49
Acenaphthylene
Concen: 4.622 ng
RT: 14.257 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

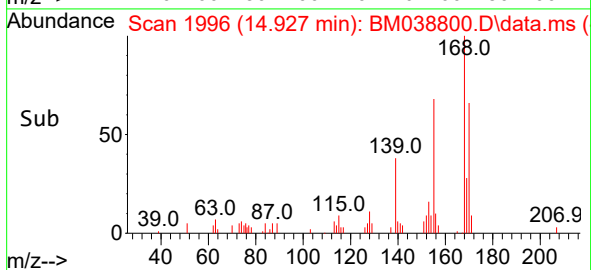
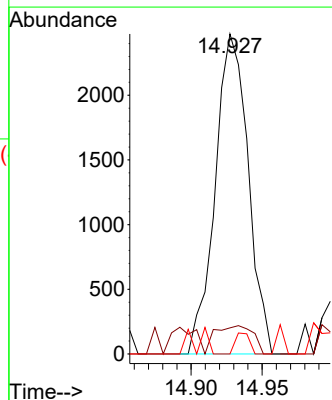
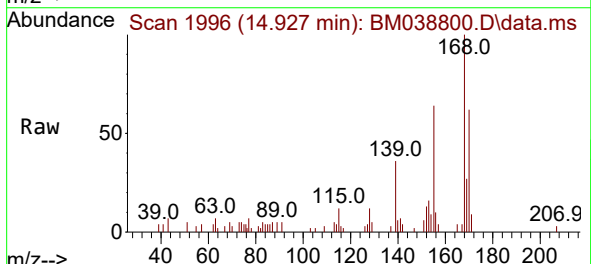
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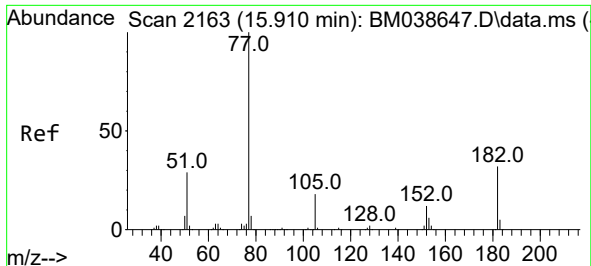
Tgt Ion:152 Resp: 46992
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.0 15.0



#56
4-Nitrophenol
Concen: 2.900 ng
RT: 14.927 min Scan# 1996
Delta R.T. 0.141 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:139 Resp: 3995
Ion Ratio Lower Upper
139 100
109 8.2 63.8 103.8#
65 0.0 62.5 102.5#

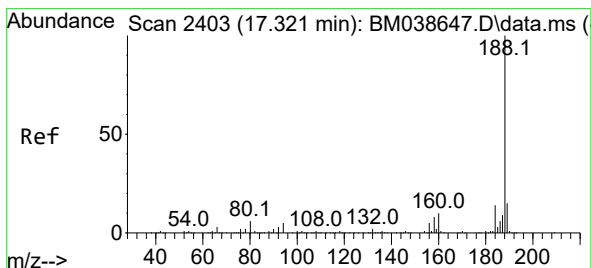
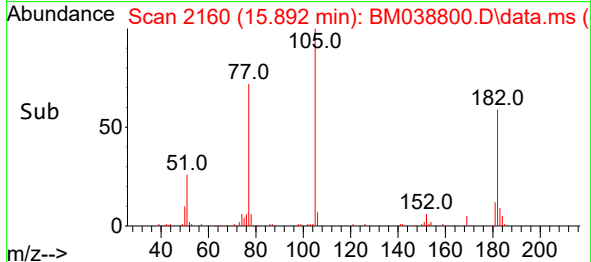
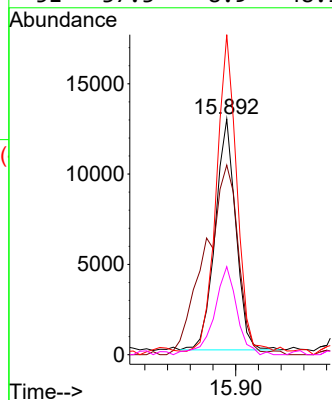
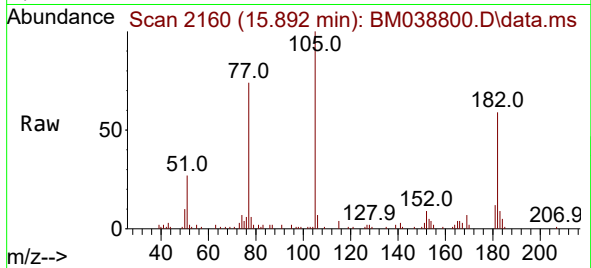




#63
 Azobenzene
 Concen: 2.615 ng
 RT: 15.892 min Scan# 2160
 Delta R.T. 0.018 min
 Lab File: BM038800.D
 Acq: 20 Feb 2023 23:19

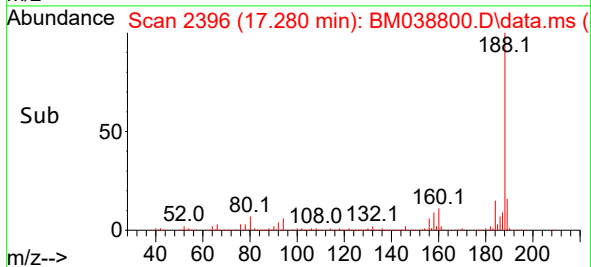
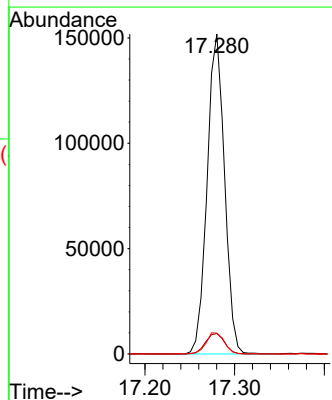
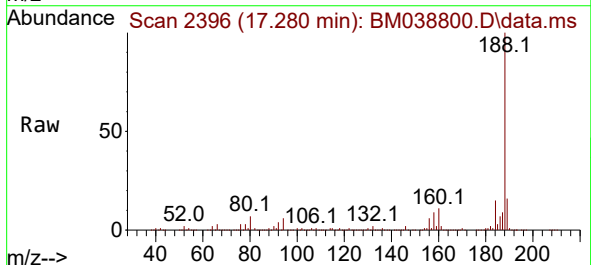
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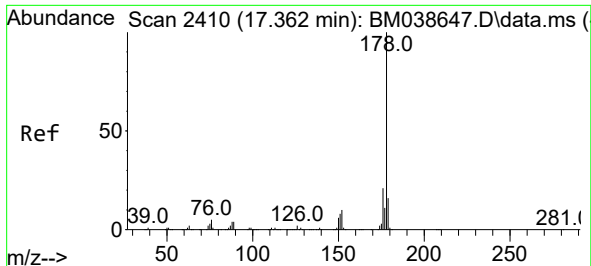
Tgt Ion: 77	Resp: 16110
Ion Ratio	Lower Upper
77 100	
182 80.5	12.0 52.0#
105 135.8	0.0 37.5#
51 37.3	8.9 48.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.280 min Scan# 2396
 Delta R.T. -0.006 min
 Lab File: BM038800.D
 Acq: 20 Feb 2023 23:19

Tgt Ion: 188	Resp: 204825
Ion Ratio	Lower Upper
188 100	
94 6.4	4.2 6.4#
80 6.5	4.6 7.0

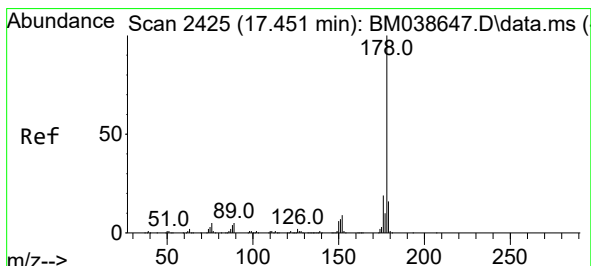
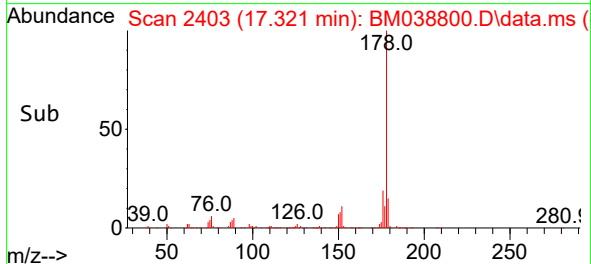
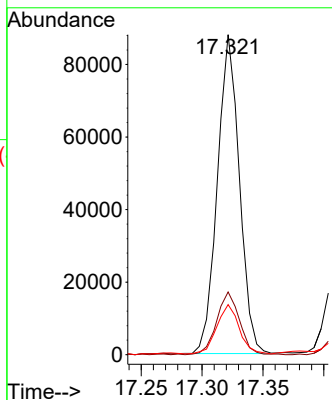
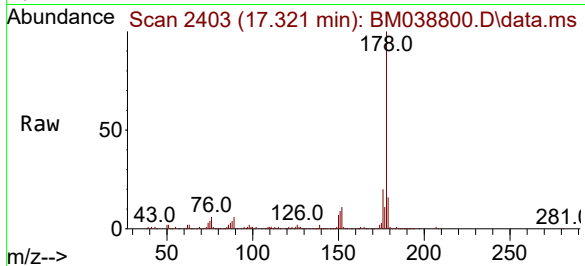




#71
Phenanthrene
Concen: 9.085 ng
RT: 17.321 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

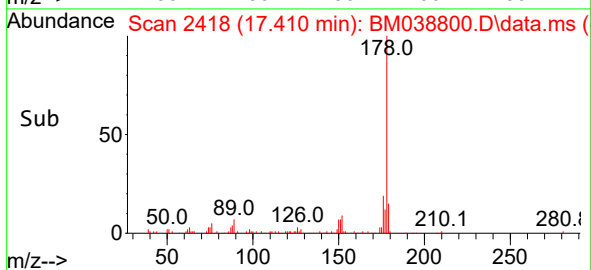
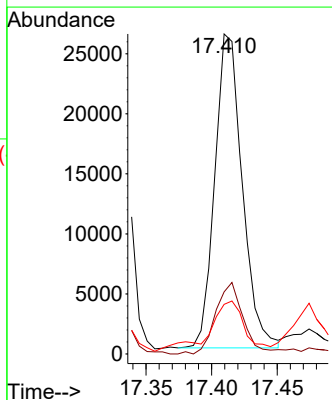
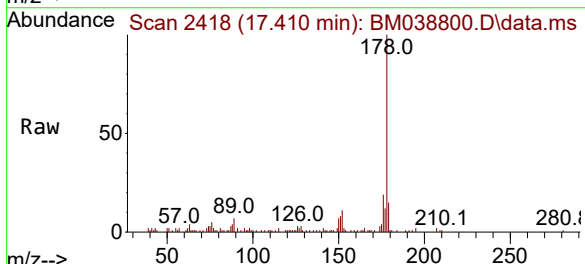
Instrument :
BNA_M
ClientSampleId :
B-13-SB01

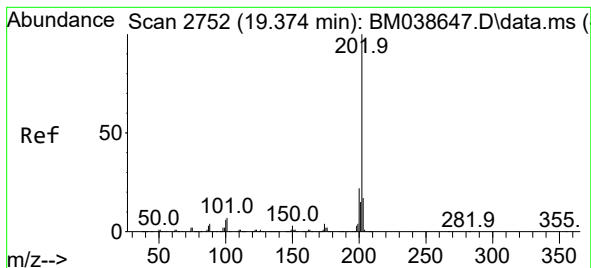
Tgt Ion:178 Resp: 110494
Ion Ratio Lower Upper
178 100
176 19.6 16.7 25.1
179 15.7 12.5 18.7



#72
Anthracene
Concen: 3.061 ng
RT: 17.410 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:178 Resp: 38089
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.5 12.4 18.6





#75

Fluoranthene

Concen: 15.030 ng

RT: 19.339 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

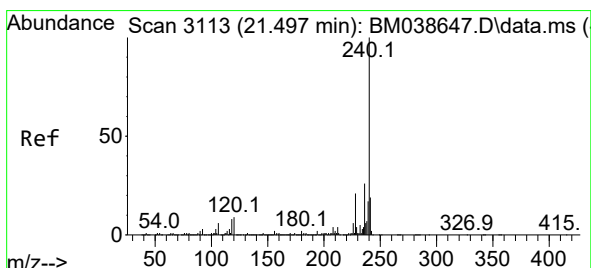
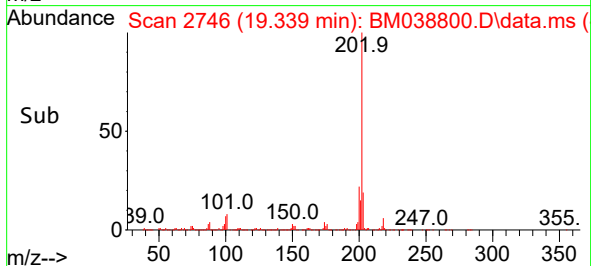
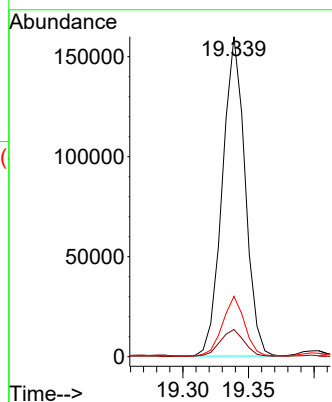
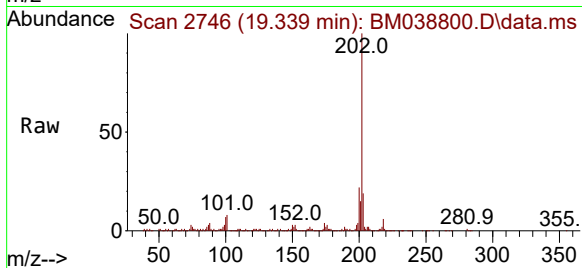
Tgt Ion:202 Resp: 191924

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.4

203 18.9 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

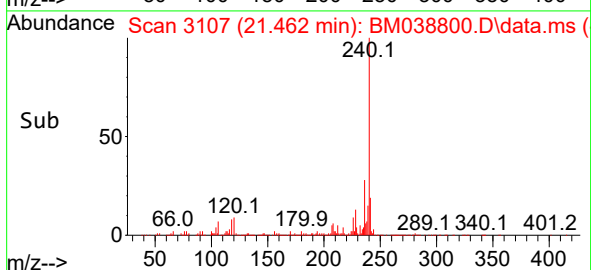
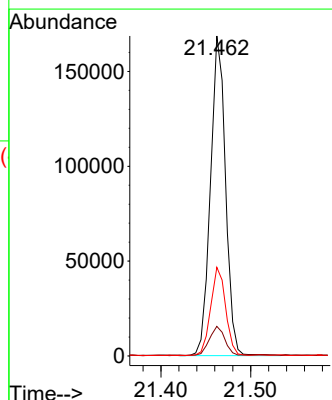
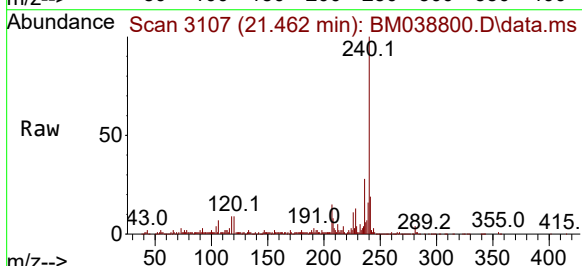
Tgt Ion:240 Resp: 196696

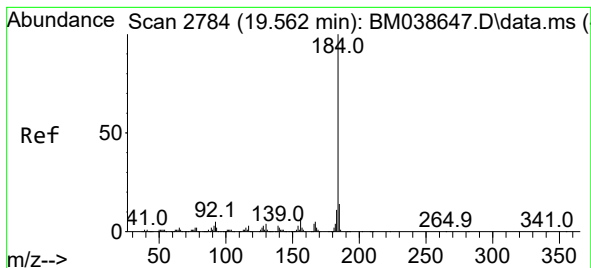
Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.4

236 27.7 20.9 31.3





#77

Benzidine

Concen: 3.192 ng

RT: 19.527 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

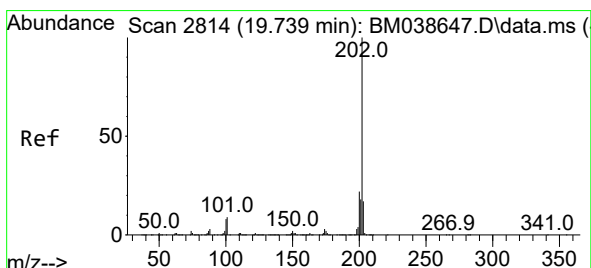
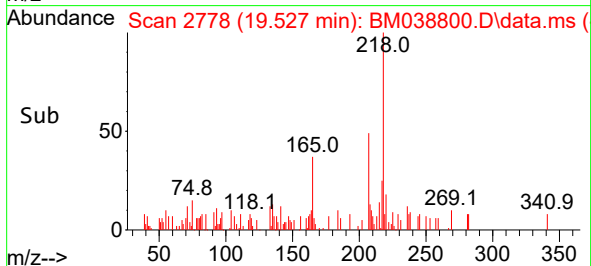
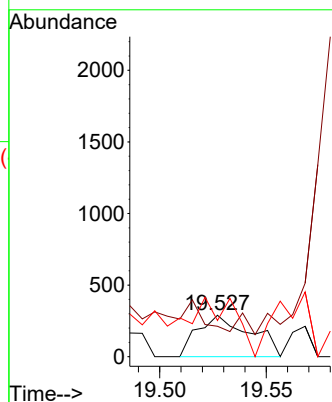
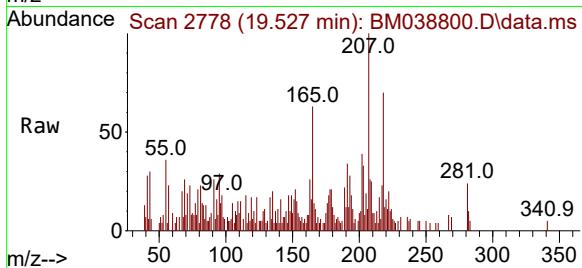
Tgt Ion:184 Resp: 496

Ion Ratio Lower Upper

184 100

185 73.4 10.8 16.2#

183 87.5 8.8 13.2#



#78

Pyrene

Concen: 14.731 ng

RT: 19.704 min Scan# 2808

Delta R.T. -0.006 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

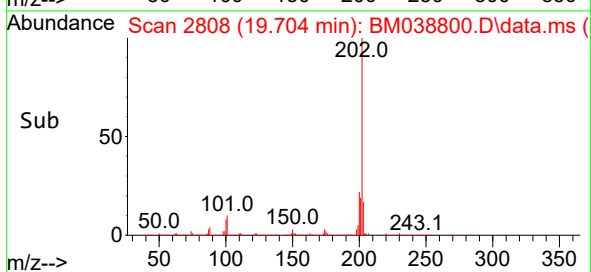
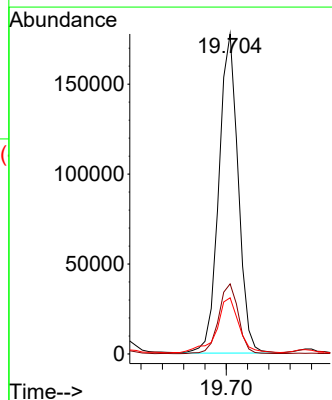
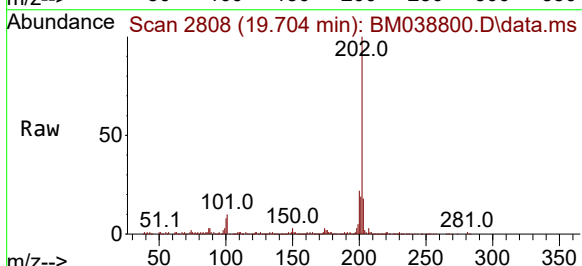
Tgt Ion:202 Resp: 223085

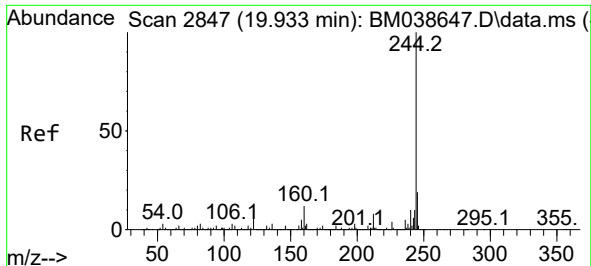
Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

203 17.6 13.5 20.3

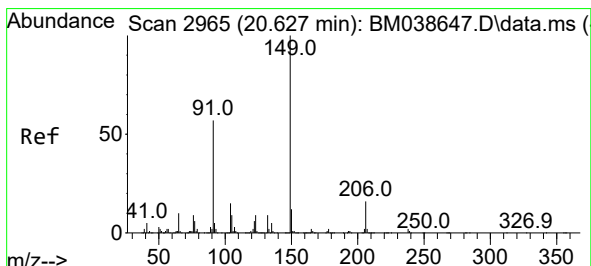
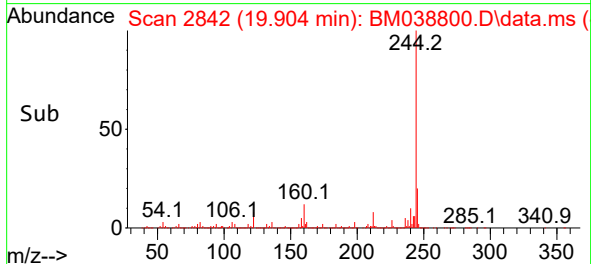
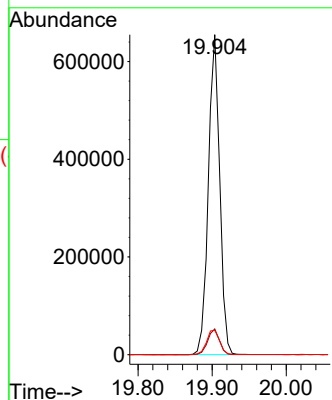
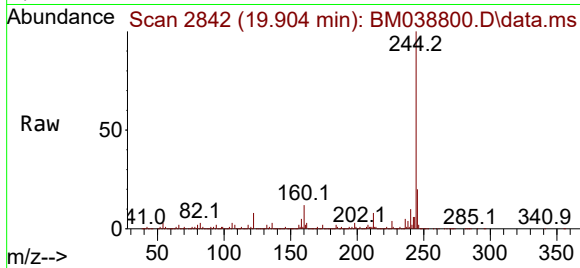




#79
 Terphenyl-d14
 Concen: 62.487 ng
 RT: 19.904 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM038800.D
 Acq: 20 Feb 2023 23:19

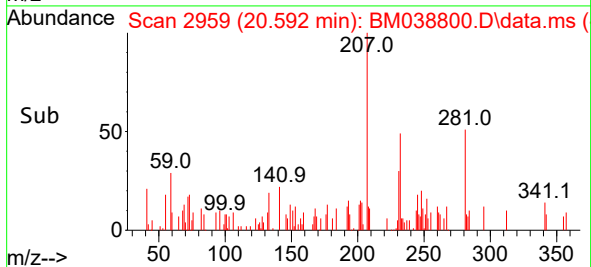
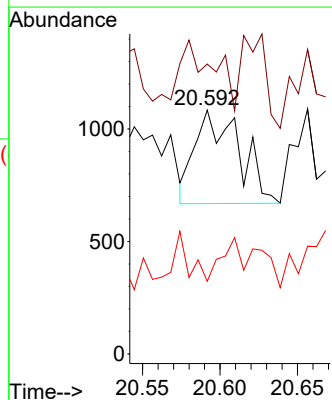
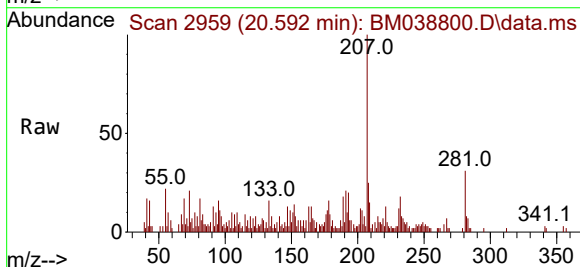
Instrument :
 BNA_M
 ClientSampleId :
 B-13-SB01

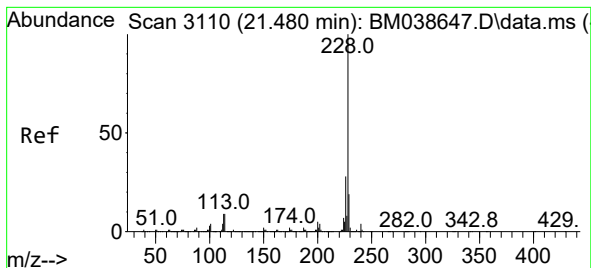
Tgt Ion:244 Resp: 696495
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 7.7 7.8 11.8#



#80
 Butylbenzylphthalate
 Concen: 2.050 ng
 RT: 20.592 min Scan# 2959
 Delta R.T. -0.012 min
 Lab File: BM038800.D
 Acq: 20 Feb 2023 23:19

Tgt Ion:149 Resp: 824
 Ion Ratio Lower Upper
 149 100
 91 118.9 45.6 68.4#
 206 29.8 12.5 18.7#





#81

Benzo(a)anthracene

Concen: 7.666 ng

RT: 21.445 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

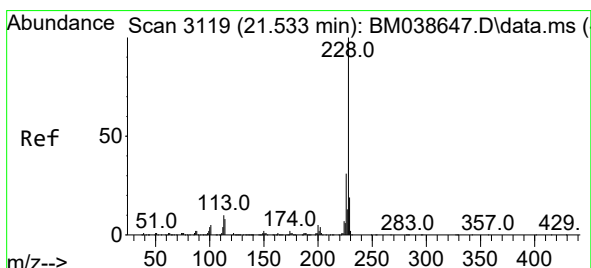
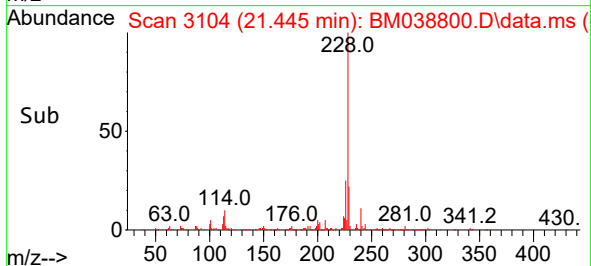
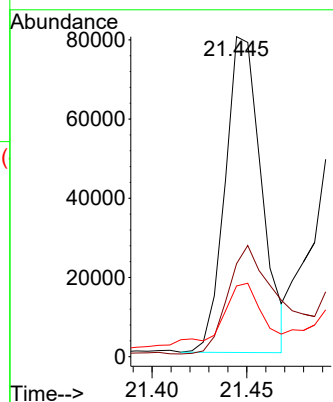
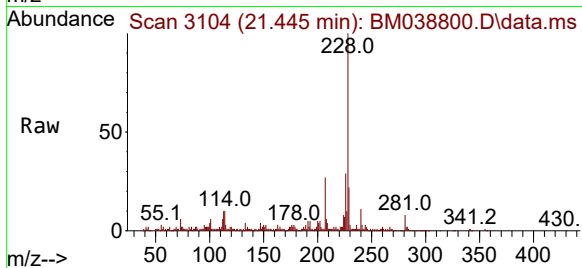
Tgt Ion:228 Resp: 106664

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

229 22.1 15.5 23.3



#83

Chrysene

Concen: 8.830 ng

RT: 21.498 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

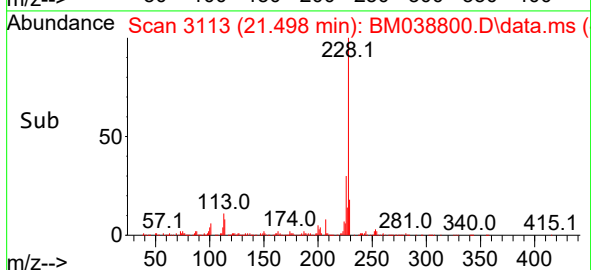
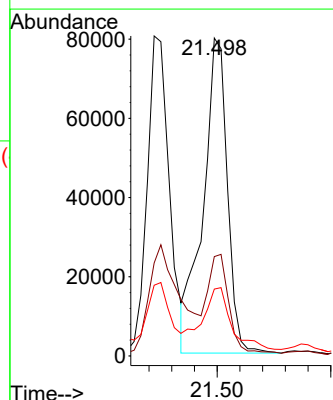
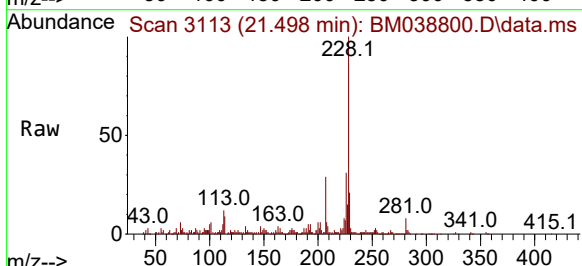
Tgt Ion:228 Resp: 118373

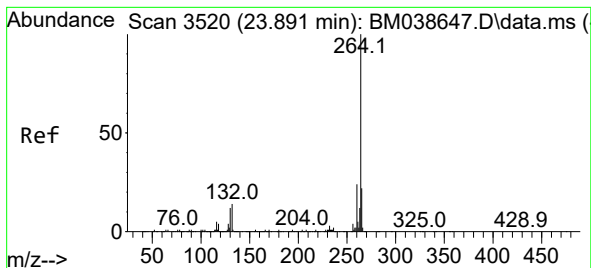
Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

229 21.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

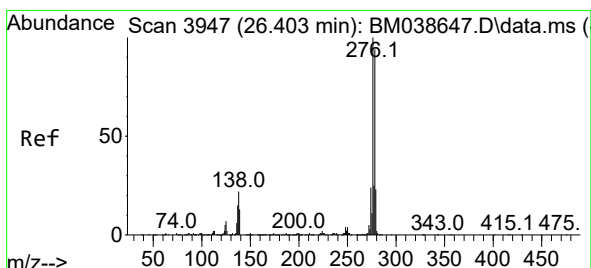
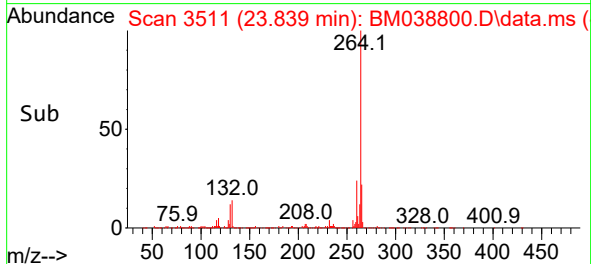
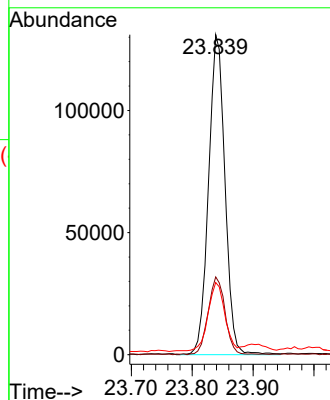
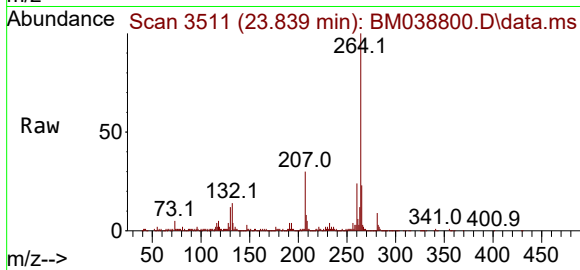
Tgt Ion:264 Resp: 245645

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 22.5 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.989 ng

RT: 26.309 min Scan# 3931

Delta R.T. -0.023 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

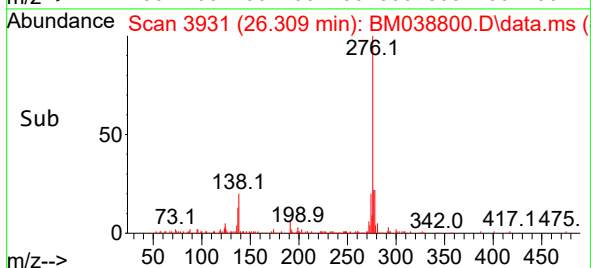
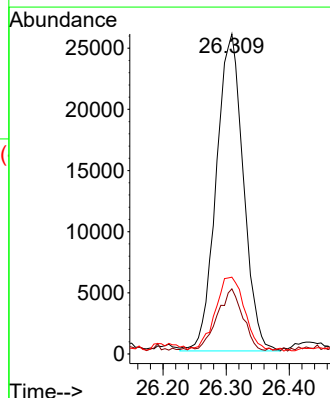
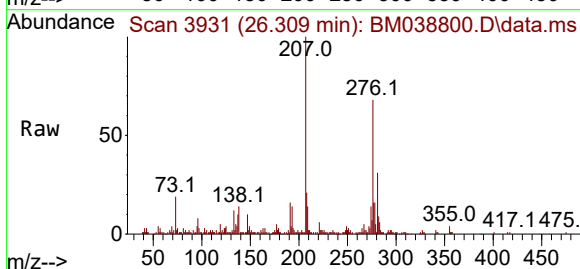
Tgt Ion:276 Resp: 77187

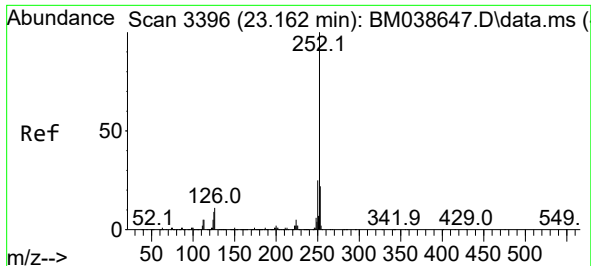
Ion Ratio Lower Upper

276 100

138 18.7 17.2 25.8

277 25.5 20.2 30.4

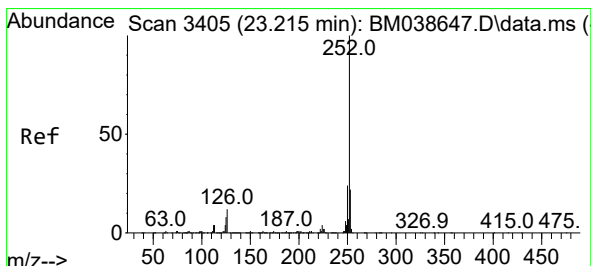
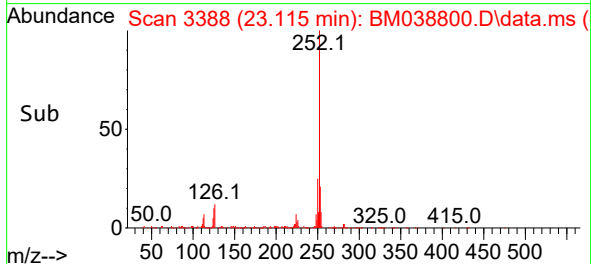
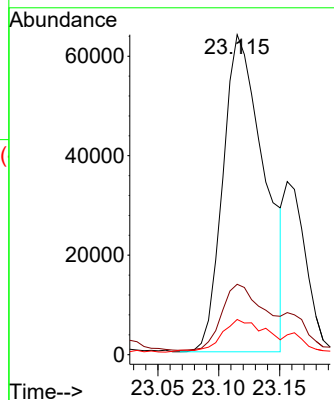
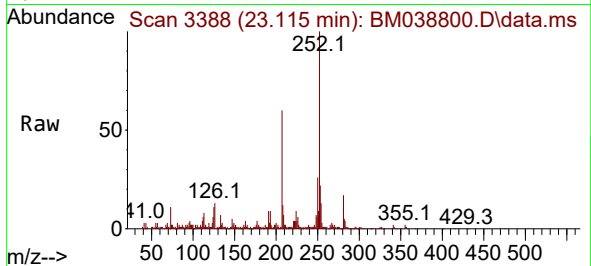




#88
Benzo(b)fluoranthene
Concen: 10.247 ng
RT: 23.115 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

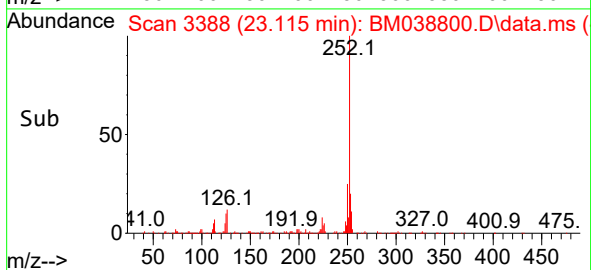
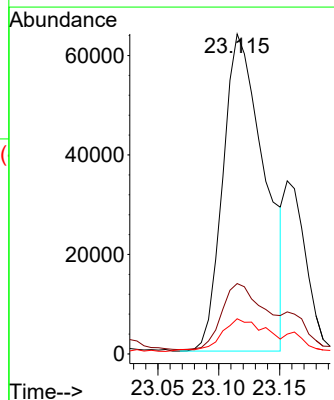
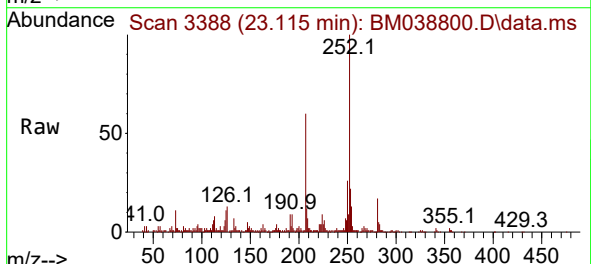
Instrument :
BNA_M
ClientSampleId :
B-13-SB01

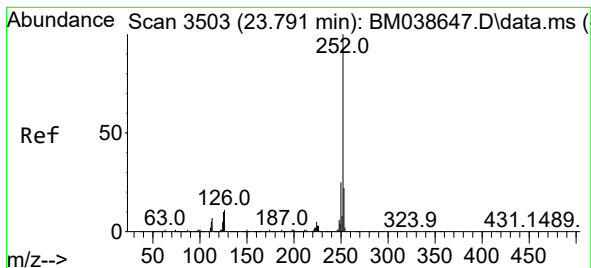
Tgt Ion:252 Resp: 150770
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 11.0 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 10.091 ng
RT: 23.115 min Scan# 3388
Delta R.T. -0.059 min
Lab File: BM038800.D
Acq: 20 Feb 2023 23:19

Tgt Ion:252 Resp: 150770
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 11.0 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 6.198 ng

RT: 23.733 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Instrument :

BNA_M

ClientSampleId :

B-13-SB01

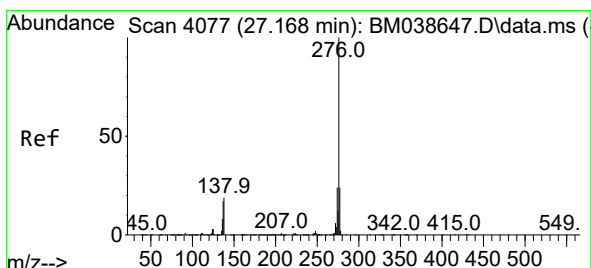
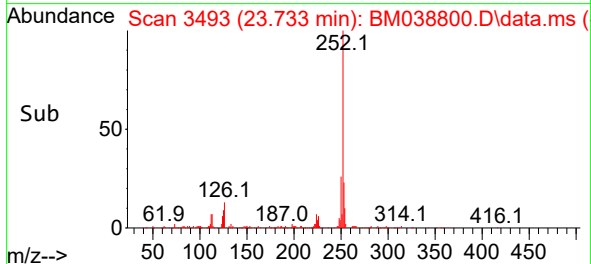
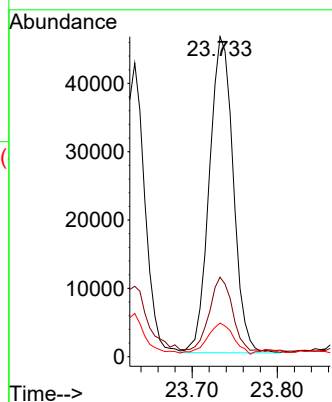
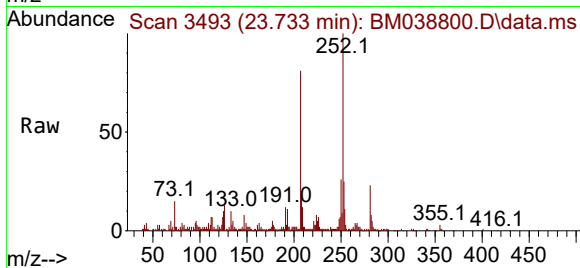
Tgt Ion:252 Resp: 90179

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 10.5 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 4.326 ng

RT: 27.074 min Scan# 4061

Delta R.T. -0.023 min

Lab File: BM038800.D

Acq: 20 Feb 2023 23:19

Tgt Ion:276 Resp: 71192

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 21.4 15.3 22.9

