

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
 Data File : BM038784.D
 Acq On : 17 Feb 2023 21:09
 Operator : CG/JU
 Sample : 01552-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-02-4.0-6.0

Quant Time: Feb 17 23:24:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 23:12:31 2023
 Response via : Initial Calibration

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

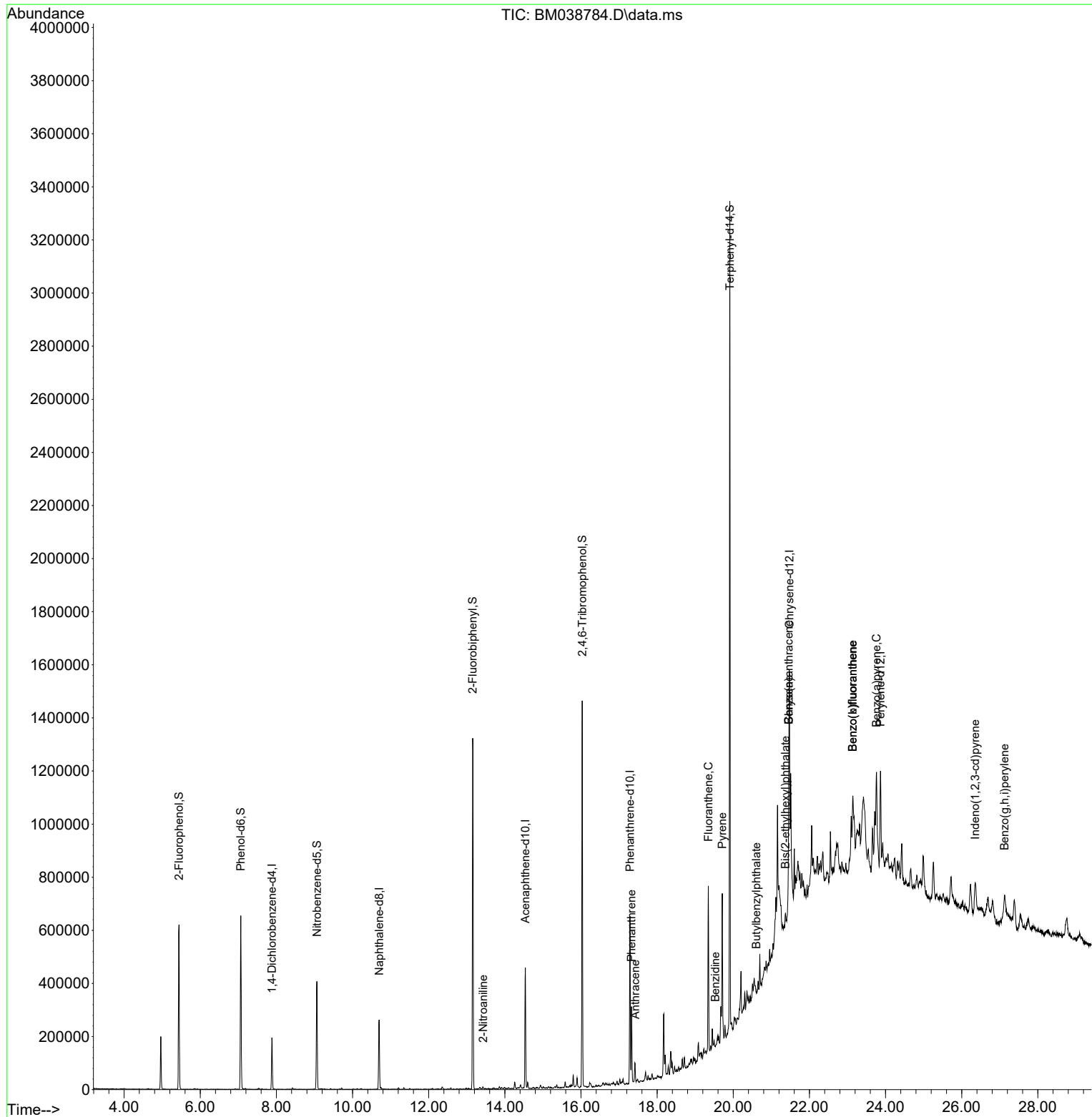
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	54677	20.000	ng	-0.03
21) Naphthalene-d8	10.698	136	216309	20.000	ng	-0.02
39) Acenaphthene-d10	14.539	164	151230	20.000	ng	-0.02
64) Phenanthrene-d10	17.286	188	332312	20.000	ng	#-0.02
76) Chrysene-d12	21.474	240	278491	20.000	ng	-0.02
86) Perylene-d12	23.868	264	268778	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	290417	104.048	ng	-0.02
7) Phenol-d6	7.063	99	373452	117.311	ng	-0.02
23) Nitrobenzene-d5	9.063	82	220791	57.977	ng	-0.03
42) 2,4,6-Tribromophenol	16.033	330	240725	117.110	ng	-0.02
45) 2-Fluorobiphenyl	13.157	172	658554	55.439	ng	-0.03
79) Terphenyl-d14	19.909	244	1224520	77.592	ng	-0.02
Target Compounds						Qvalue
48) 2-Nitroaniline	13.427	65	65	2.200	ng	# 1
71) Phenanthrene	17.327	178	161486	8.184	ng	97
72) Anthracene	17.421	178	44879	2.223	ng	99
75) Fluoranthene	19.345	202	323672	15.623	ng	98
77) Benzydine	19.527	184	239	3.140	ng	# 1
78) Pyrene	19.709	202	307937	14.362	ng	98
80) Butylbenzylphthalate	20.609	149	820	2.018	ng	# 59
81) Benzo(a)anthracene	21.456	228	173478	8.806	ng	95
83) Chrysene	21.456	228	173478	9.140	ng	97
84) Bis(2-ethylhexyl)phtha...	21.368	149	10938	2.178	ng	# 79
87) Indeno(1,2,3-cd)pyrene	26.350	276	104671	4.944	ng	97
88) Benzo(b)fluoranthene	23.139	252	198633	12.338	ng	# 91
89) Benzo(k)fluoranthene	23.139	252	198633	12.150	ng	# 90
90) Benzo(a)pyrene	23.762	252	157401	9.887	ng	# 91
92) Benzo(g,h,i)perylene	27.127	276	106871	5.936	ng	99

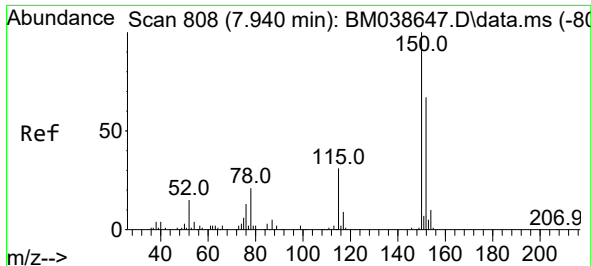
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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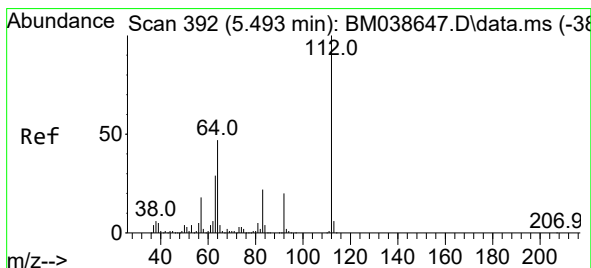
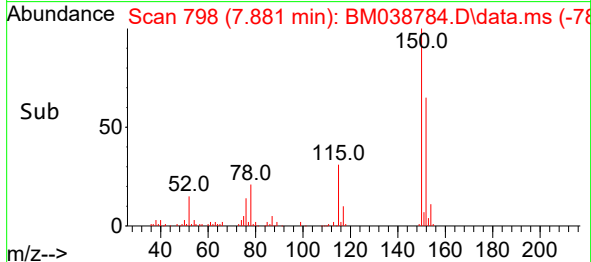
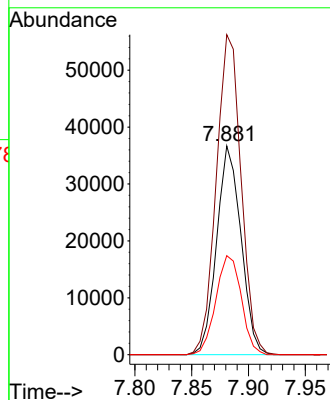
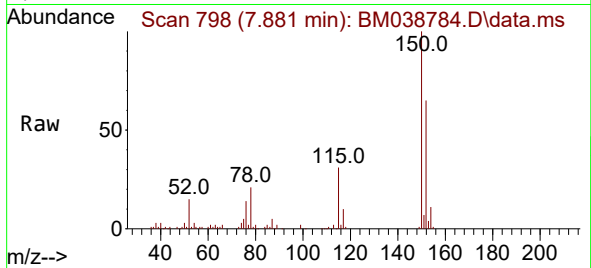




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 71
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

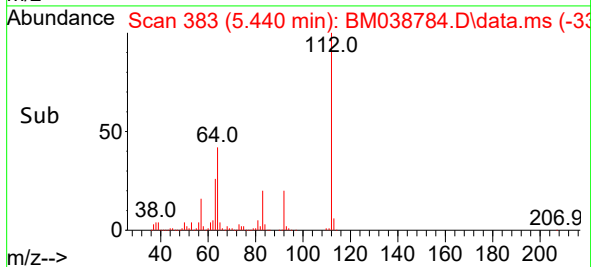
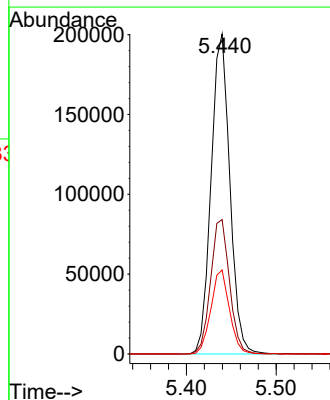
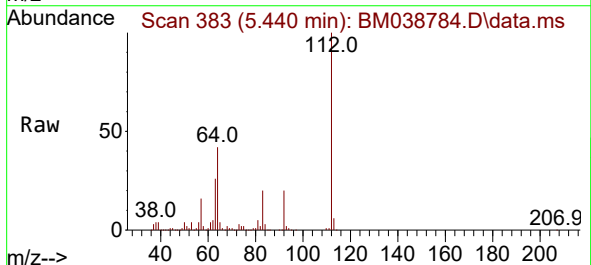
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

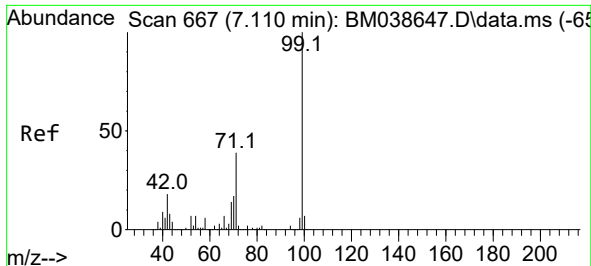
Tgt Ion:152 Resp: 54677
Ion Ratio Lower Upper
152 100
150 153.2 119.5 179.3
115 47.4 37.6 56.4



#5
2-Fluorophenol
Concen: 104.048 ng
RT: 5.440 min Scan# 383
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:112 Resp: 290417
Ion Ratio Lower Upper
112 100
64 42.0 37.9 56.9
63 26.3 23.3 34.9

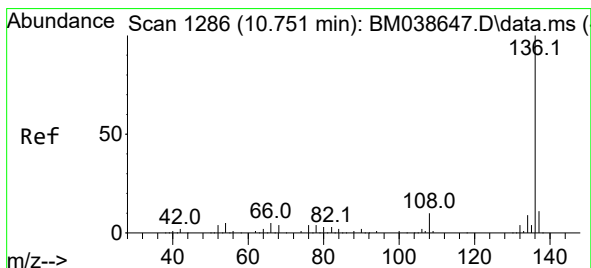
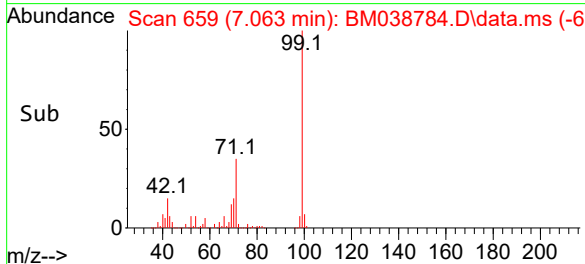
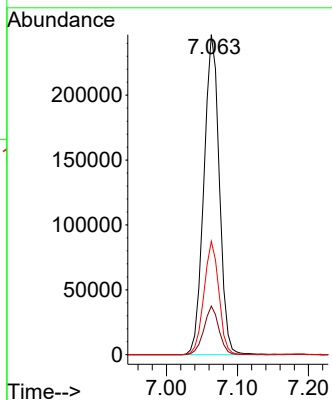
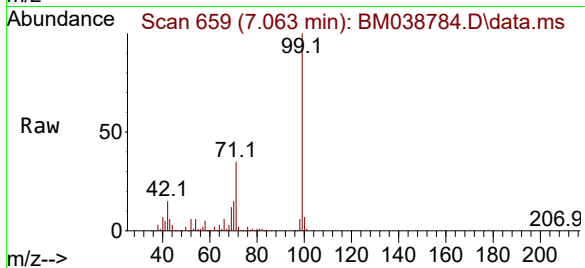




#7
Phenol-d6
Concen: 117.311 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

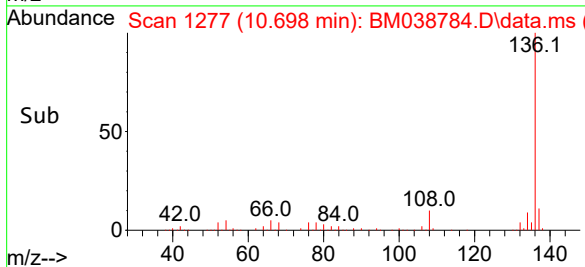
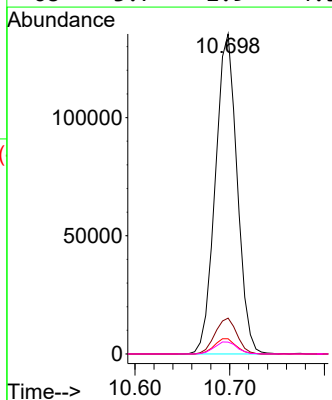
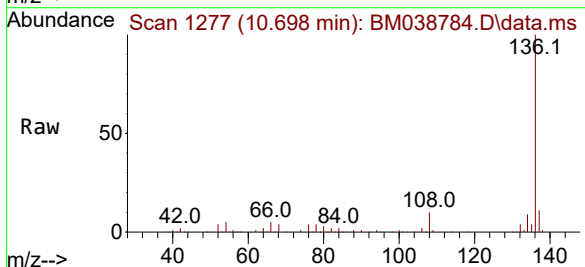
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

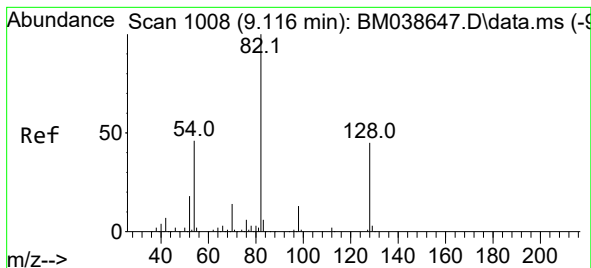
Tgt Ion: 99 Resp: 373452
Ion Ratio Lower Upper
99 100
42 15.2 14.6 22.0
71 35.4 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1277
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion: 136 Resp: 216309
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 4.7 4.2 6.4
68 3.7 2.9 4.3

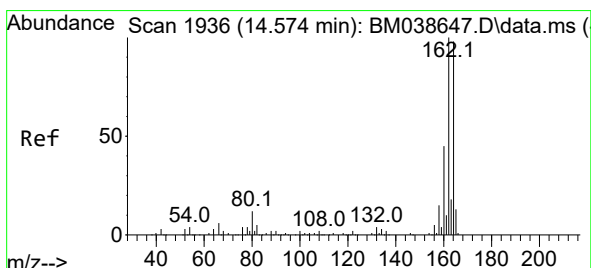
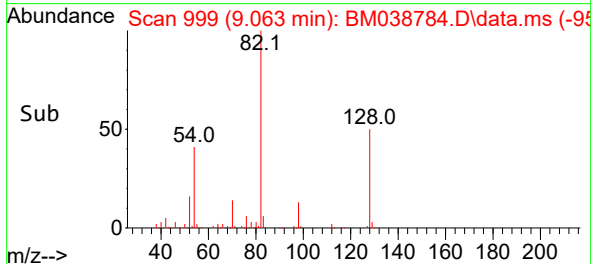
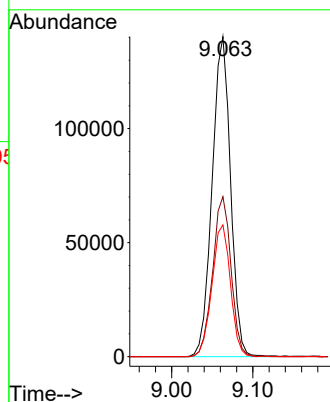
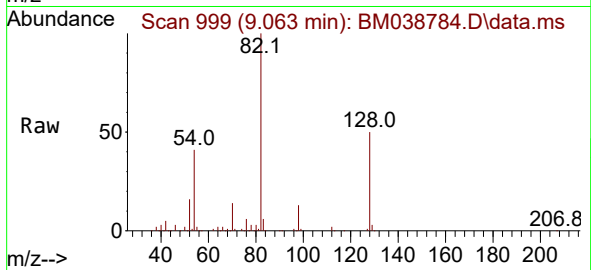




#23
Nitrobenzene-d5
Concen: 57.977 ng
RT: 9.063 min Scan# 91
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

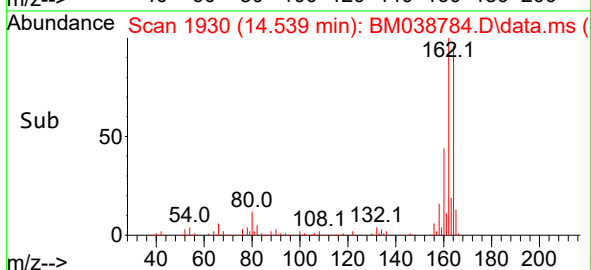
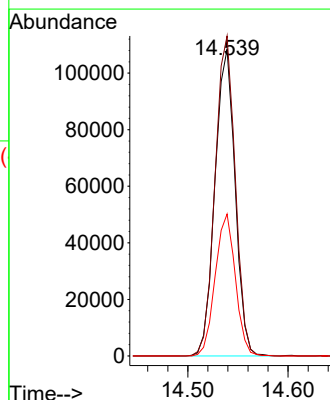
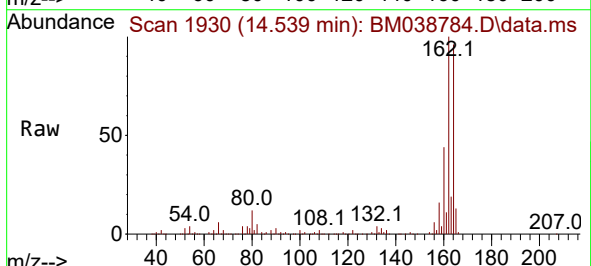
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

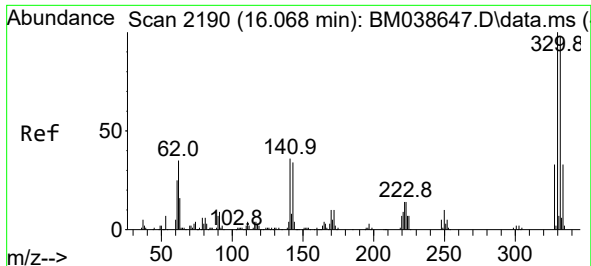
Tgt Ion: 82 Resp: 220791
Ion Ratio Lower Upper
82 100
128 50.0 36.0 54.0
54 41.2 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion: 164 Resp: 151230
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 46.3 36.5 54.7

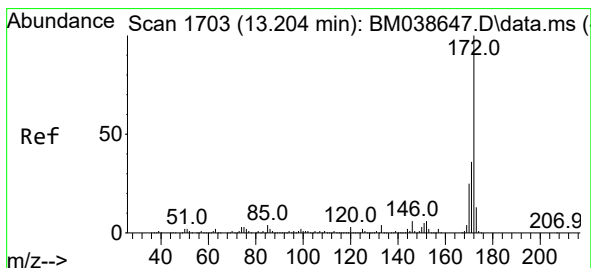
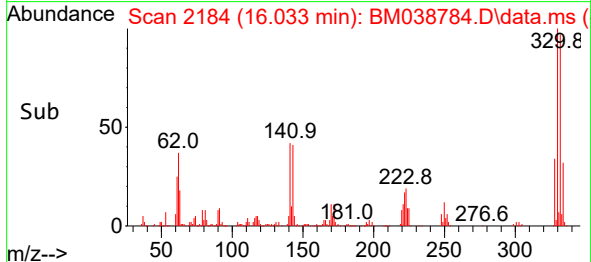
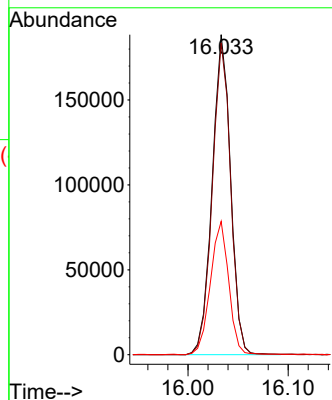
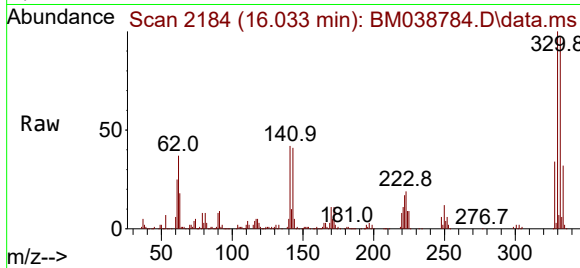




#42
2,4,6-Tribromophenol
Concen: 117.110 ng
RT: 16.033 min Scan# 2190
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

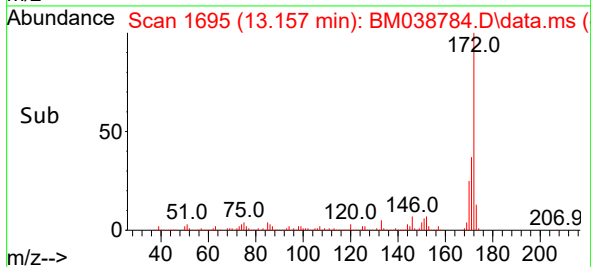
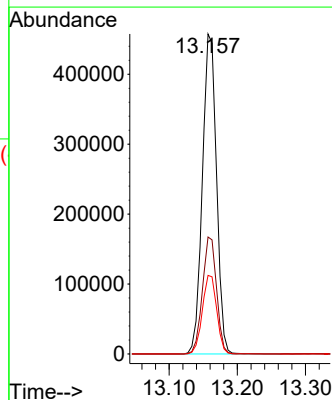
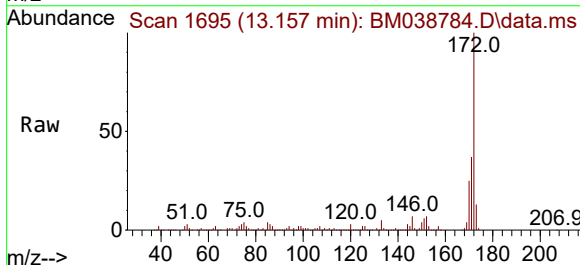
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

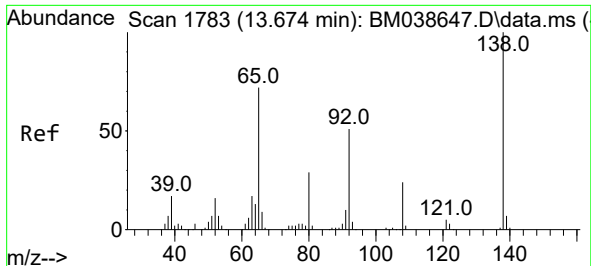
Tgt Ion:330 Resp: 240725
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 41.6 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 55.439 ng
RT: 13.157 min Scan# 1695
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:172 Resp: 658554
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 24.6 20.0 30.0

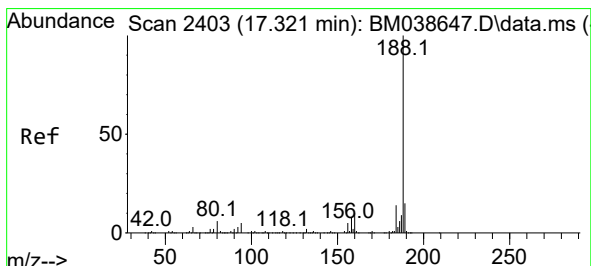
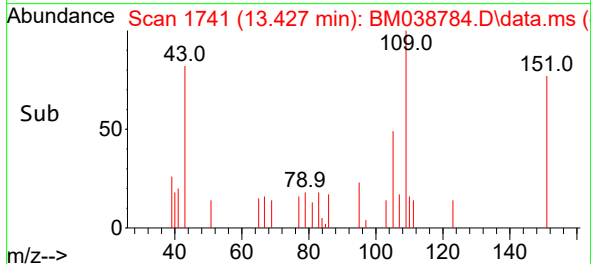
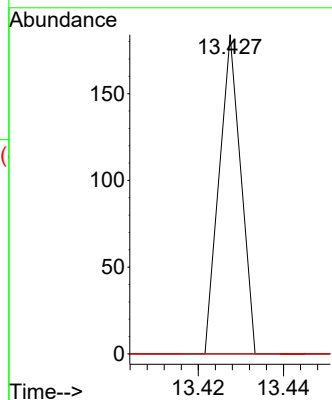
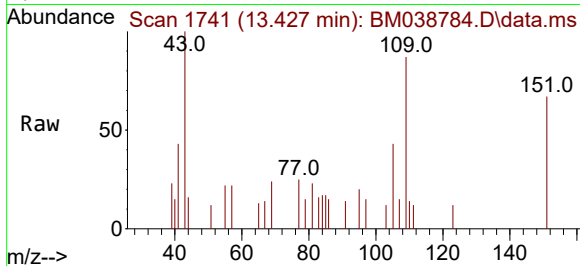




#48
2-Nitroaniline
Concen: 2.200 ng
RT: 13.427 min Scan# 11
Delta R.T. -0.229 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

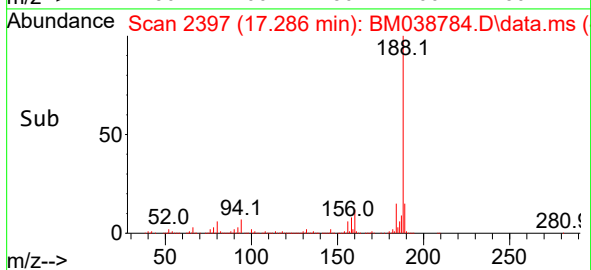
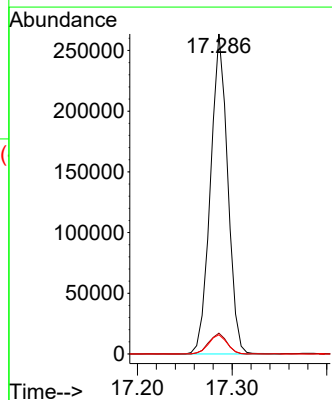
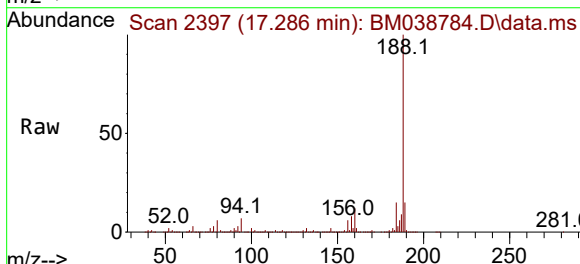
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

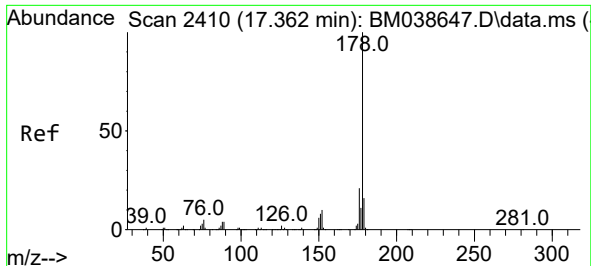
Tgt Ion: 65 Resp: 65
Ion Ratio Lower Upper
65 100
92 0.0 55.9 83.9#
138 0.0 110.6 166.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2397
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:188 Resp: 332312
Ion Ratio Lower Upper
188 100
94 6.5 4.2 6.4#
80 6.0 4.6 7.0

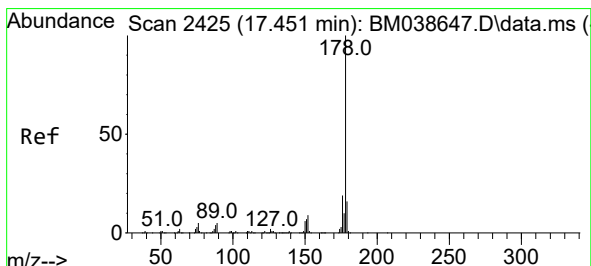
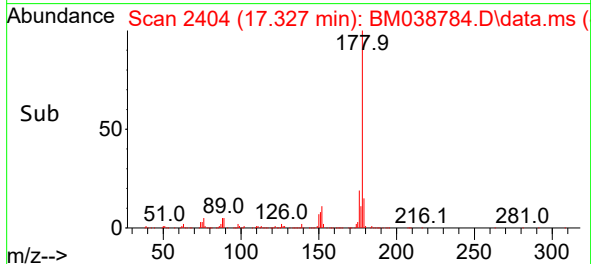
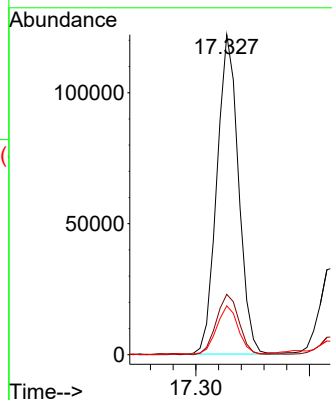
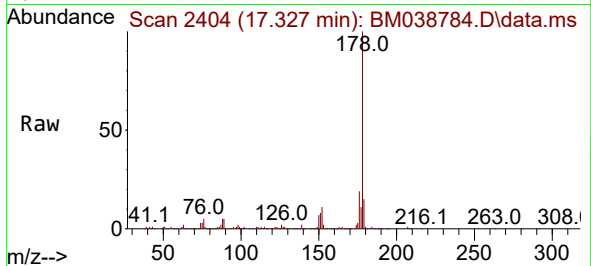




#71
Phenanthrene
Concen: 8.184 ng
RT: 17.327 min Scan# 2410
Delta R.T. -0.023 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

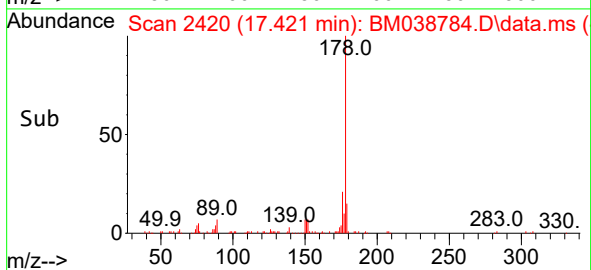
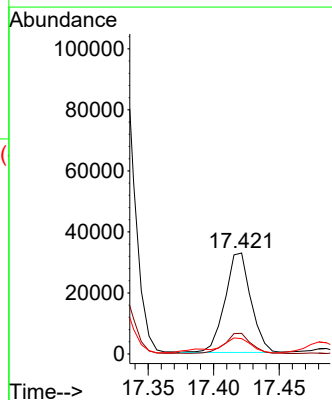
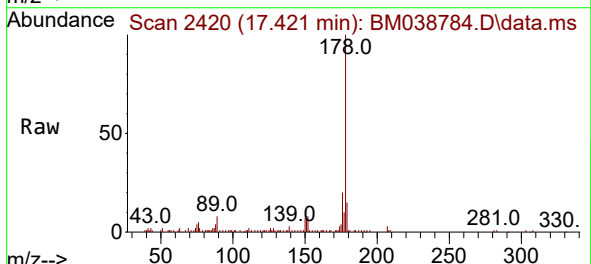
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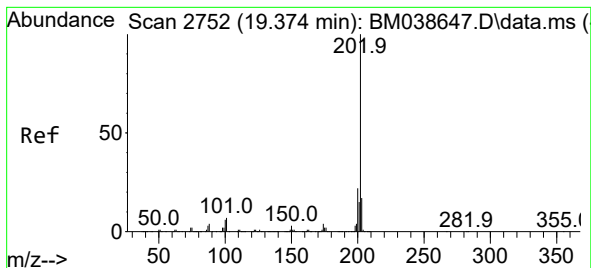
Tgt Ion:178 Resp: 161486
Ion Ratio Lower Upper
178 100
176 18.9 16.7 25.1
179 15.3 12.5 18.7



#72
Anthracene
Concen: 2.223 ng
RT: 17.421 min Scan# 2420
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:178 Resp: 44879
Ion Ratio Lower Upper
178 100
176 20.4 15.6 23.4
179 15.3 12.4 18.6





#75

Fluoranthene

Concen: 15.623 ng

RT: 19.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

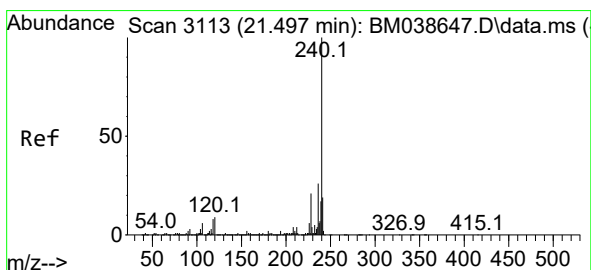
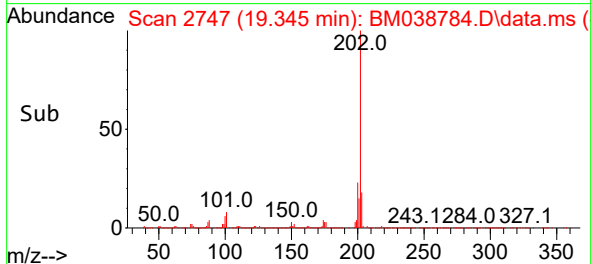
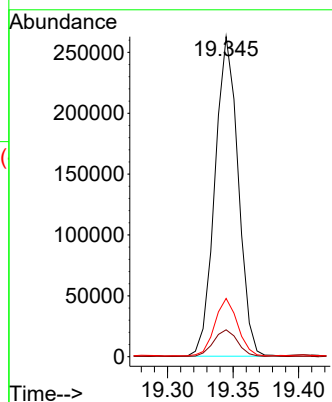
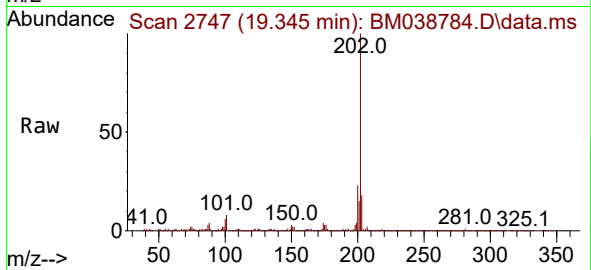
Tgt Ion:202 Resp: 323672

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.4

203 18.2 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.474 min Scan# 3109

Delta R.T. -0.018 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

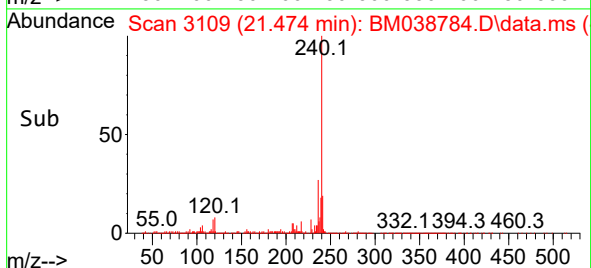
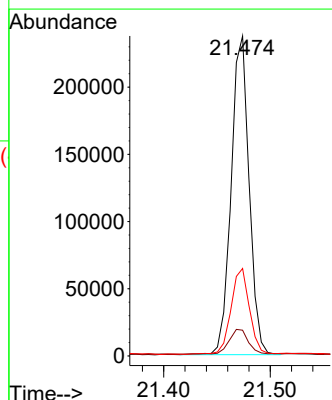
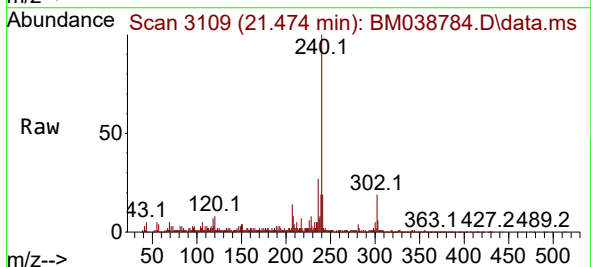
Tgt Ion:240 Resp: 278491

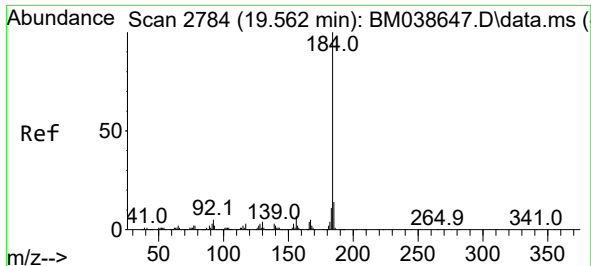
Ion Ratio Lower Upper

240 100

120 8.0 7.0 10.4

236 27.3 20.9 31.3

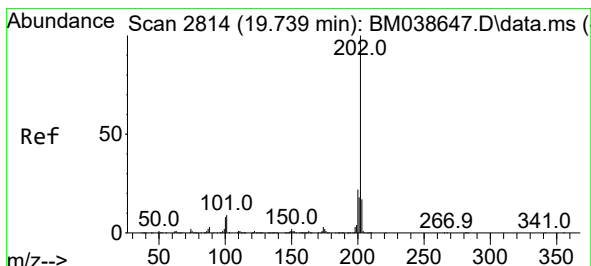
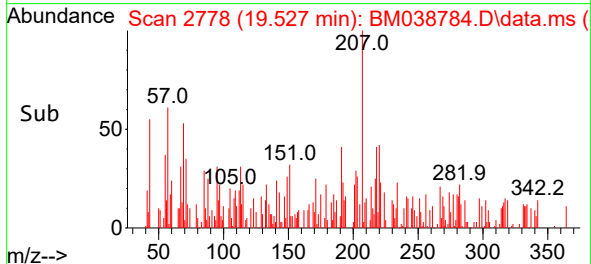
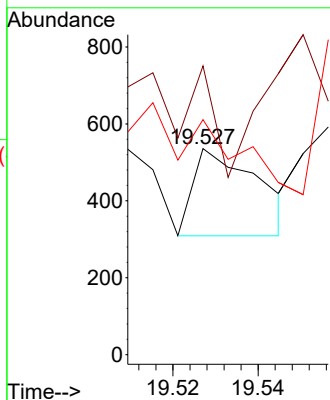
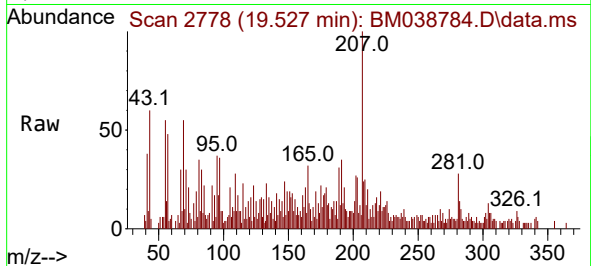




#77
Benzidine
Concen: 3.140 ng
RT: 19.527 min Scan# 21
Delta R.T. -0.029 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

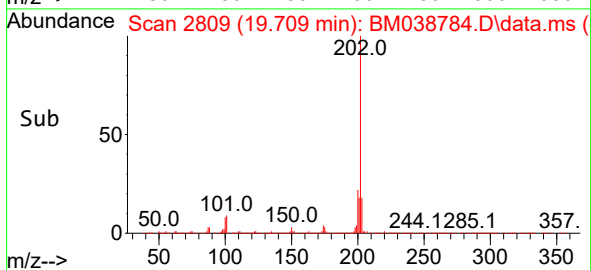
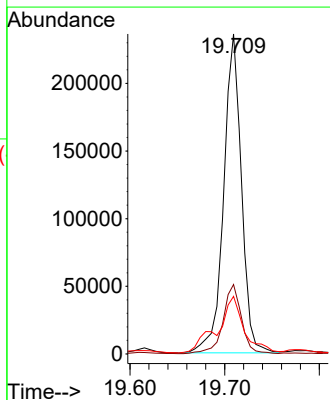
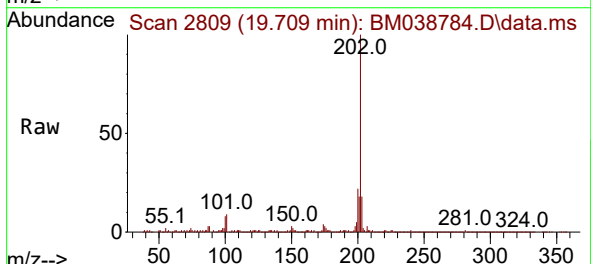
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

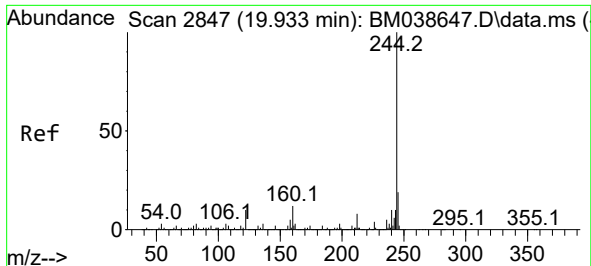
Tgt Ion:184 Resp: 239
Ion Ratio Lower Upper
184 100
185 140.1 10.8 16.2#
183 114.0 8.8 13.2#



#78
Pyrene
Concen: 14.362 ng
RT: 19.709 min Scan# 2809
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:202 Resp: 307937
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 18.0 13.5 20.3

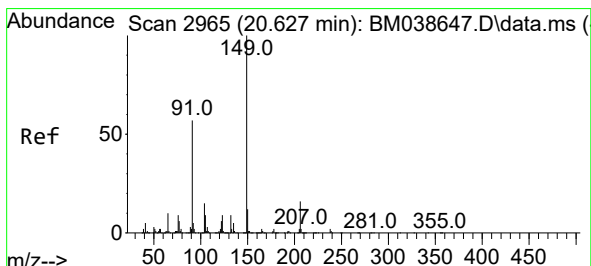
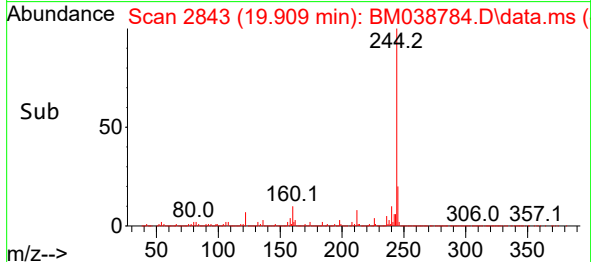
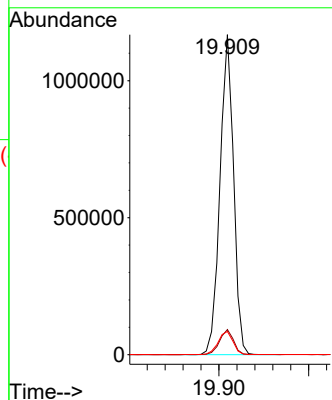
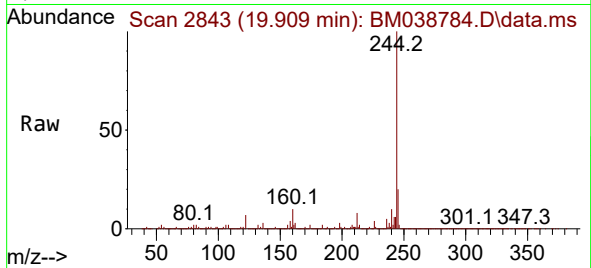




#79
 Terphenyl-d14
 Concen: 77.592 ng
 RT: 19.909 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09

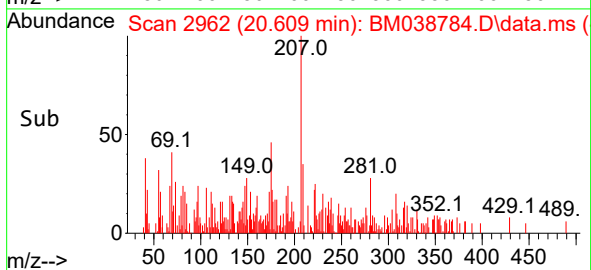
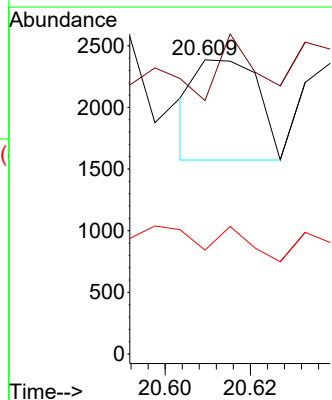
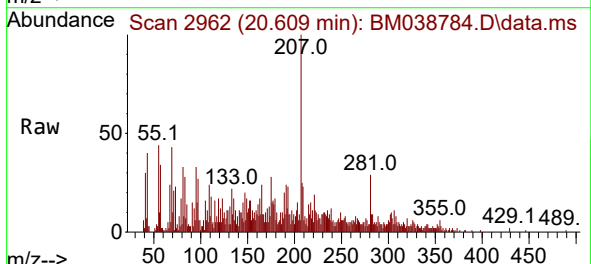
Instrument :
 BNA_M
 ClientSampleId :
 SB-02-4.0-6.0

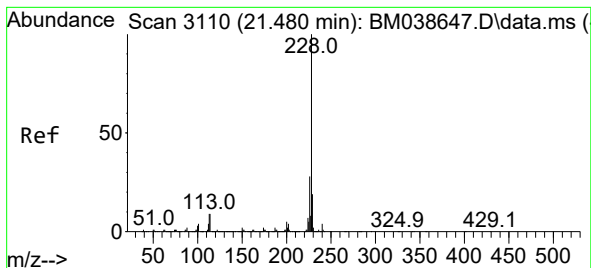
Tgt Ion:244 Resp: 1224520
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 7.3 7.8 11.8#



#80
 Butylbenzylphthalate
 Concen: 2.018 ng
 RT: 20.609 min Scan# 2962
 Delta R.T. -0.012 min
 Lab File: BM038784.D
 Acq: 17 Feb 2023 21:09

Tgt Ion:149 Resp: 820
 Ion Ratio Lower Upper
 149 100
 91 86.2 45.6 68.4#
 206 35.3 12.5 18.7#





#81

Benzo(a)anthracene

Concen: 8.806 ng

RT: 21.456 min Scan# 3106

Delta R.T. -0.018 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

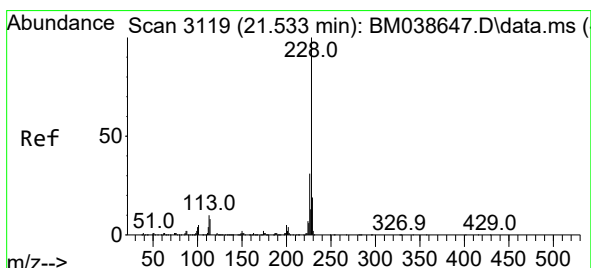
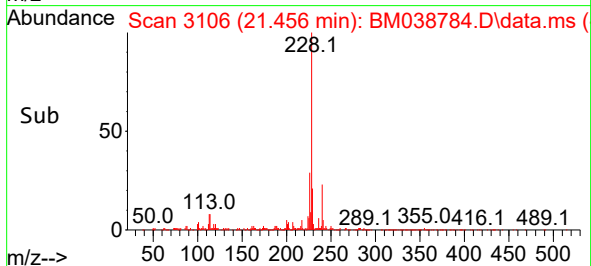
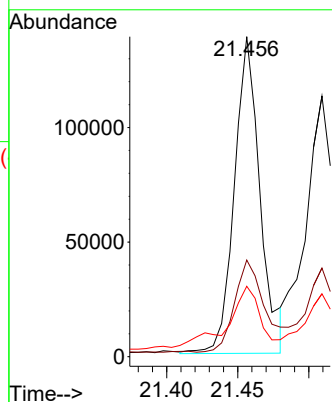
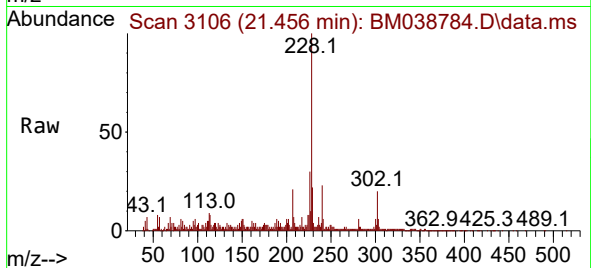
Tgt Ion:228 Resp: 173478

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 22.0 15.5 23.3



#83

Chrysene

Concen: 9.140 ng

RT: 21.456 min Scan# 3106

Delta R.T. -0.071 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

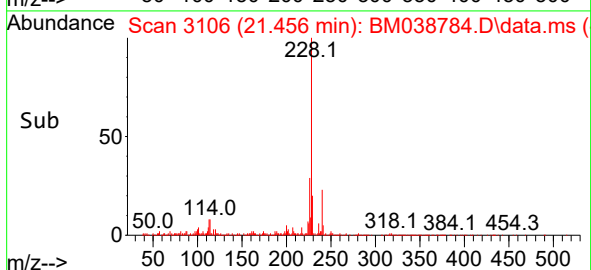
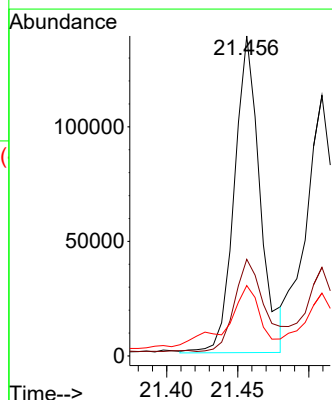
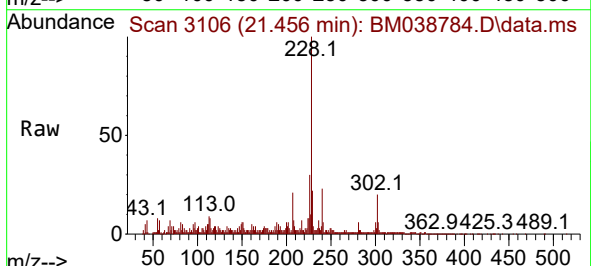
Tgt Ion:228 Resp: 173478

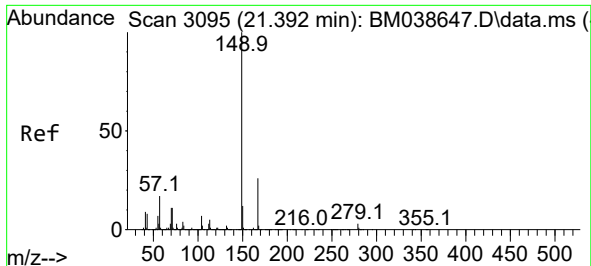
Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 22.0 15.5 23.3

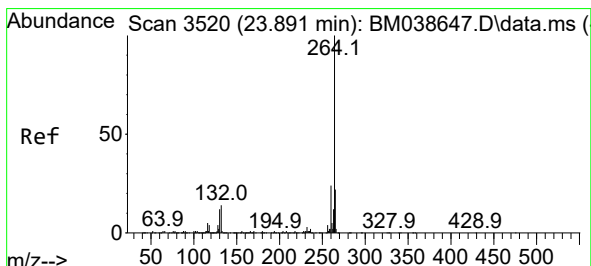
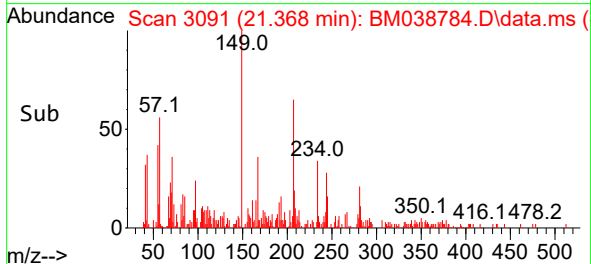
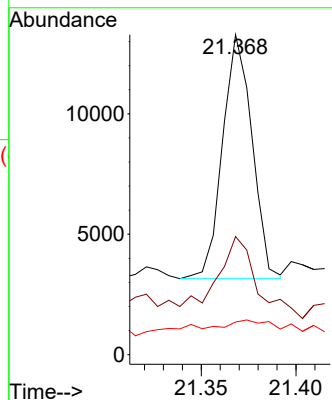
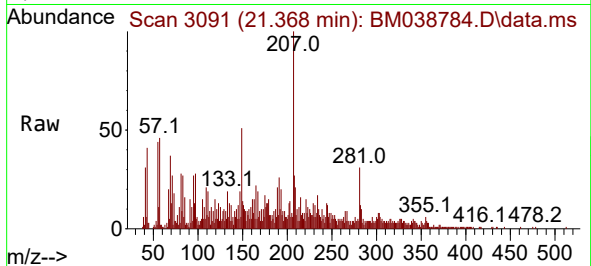




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.178 ng
RT: 21.368 min Scan# 3091
Delta R.T. -0.018 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

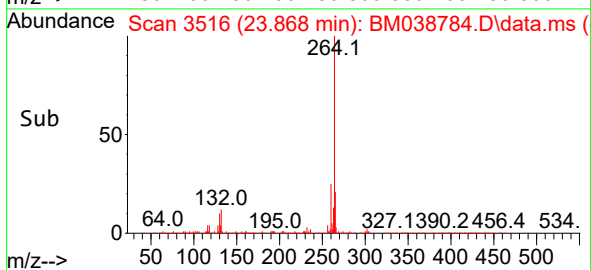
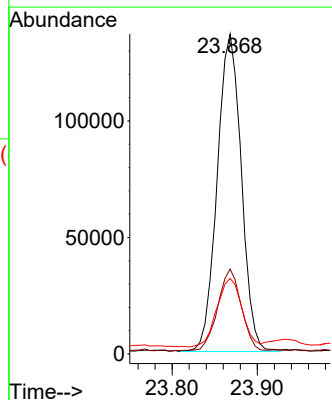
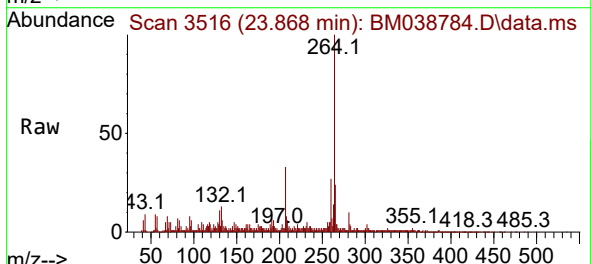
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

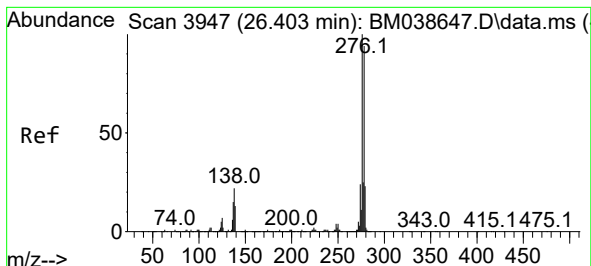
Tgt Ion:149 Resp: 10938
Ion Ratio Lower Upper
149 100
167 36.9 20.8 31.2#
279 10.2 2.5 3.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.868 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BM038784.D
Acq: 17 Feb 2023 21:09

Tgt Ion:264 Resp: 268778
Ion Ratio Lower Upper
264 100
260 26.5 19.6 29.4
265 23.6 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.944 ng

RT: 26.350 min Scan# 3393

Delta R.T. -0.029 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

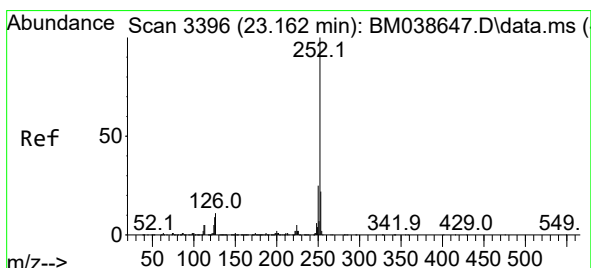
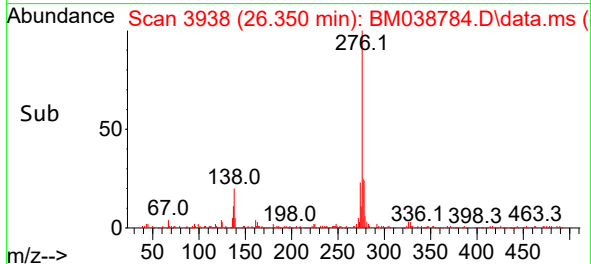
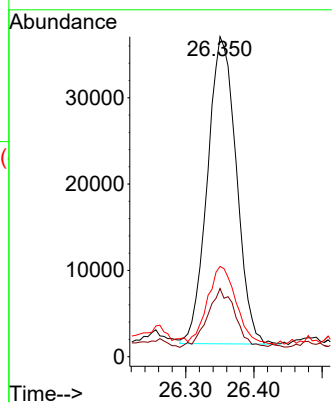
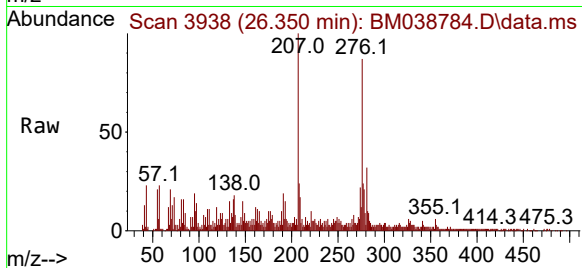
Tgt Ion:276 Resp: 104671

Ion Ratio Lower Upper

276 100

138 18.3 17.2 25.8

277 25.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.338 ng

RT: 23.139 min Scan# 3392

Delta R.T. -0.012 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

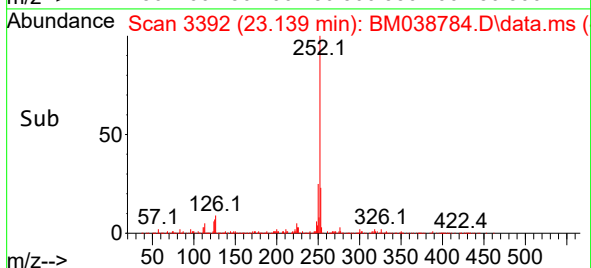
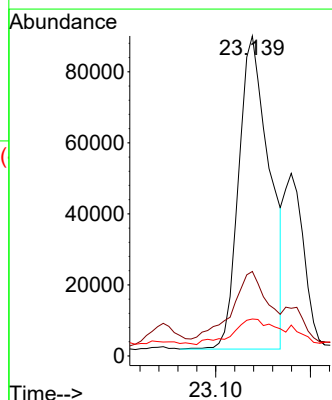
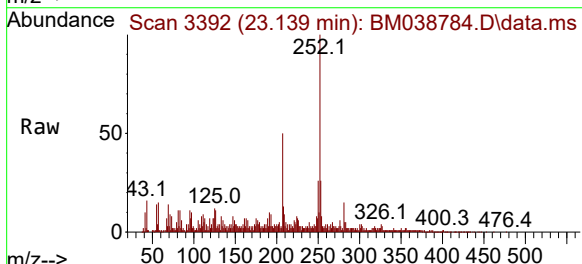
Tgt Ion:252 Resp: 198633

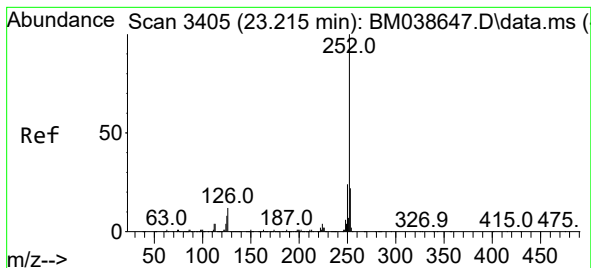
Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.2#

125 11.6 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 12.150 ng

RT: 23.139 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0

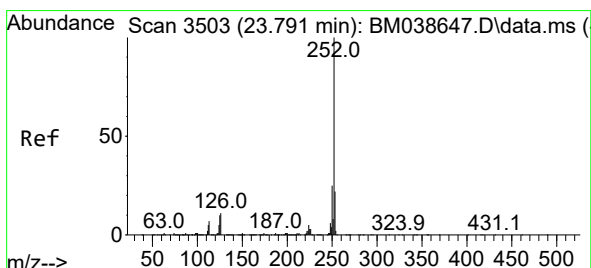
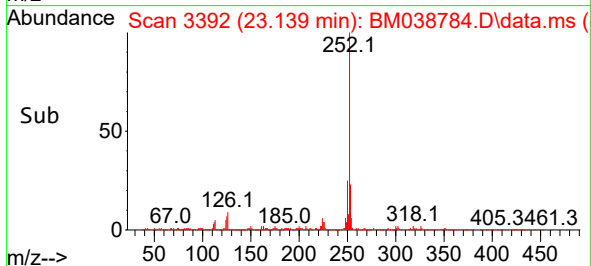
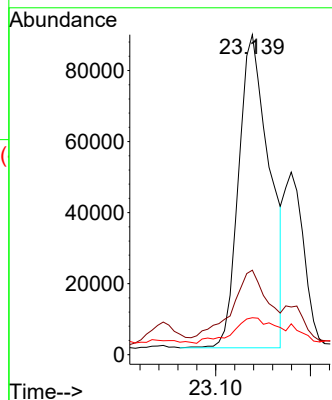
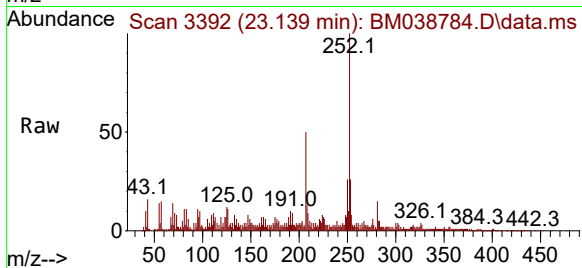
Tgt Ion:252 Resp: 198633

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.0#

125 11.6 6.6 9.8#



#90

Benzo(a)pyrene

Concen: 9.887 ng

RT: 23.762 min Scan# 3498

Delta R.T. -0.012 min

Lab File: BM038784.D

Acq: 17 Feb 2023 21:09

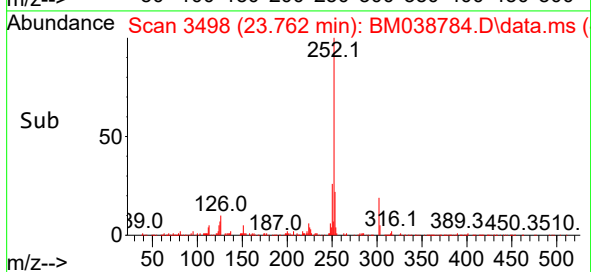
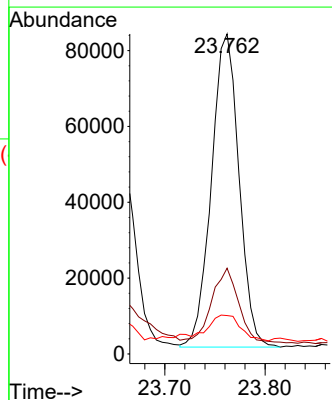
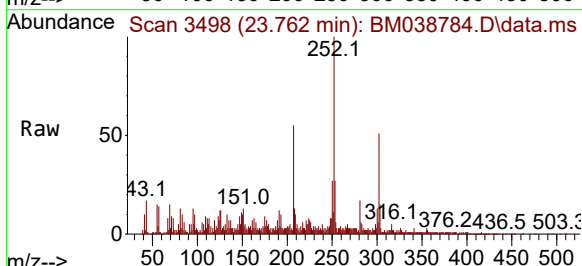
Tgt Ion:252 Resp: 157401

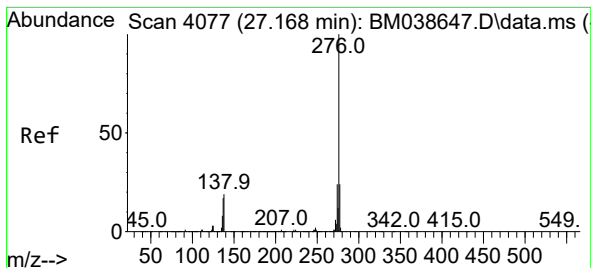
Ion Ratio Lower Upper

252 100

253 26.8 17.7 26.5#

125 12.0 7.8 11.8#





#92

Benzo(g,h,i)perylene

Concen: 5.936 ng

RT: 27.127 min Scan# 40

Delta R.T. -0.018 min

Lab File: BM038784.D

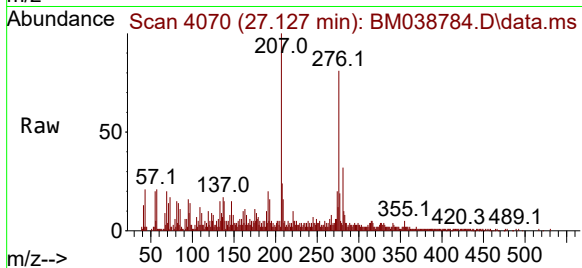
Acq: 17 Feb 2023 21:09

Instrument :

BNA_M

ClientSampleId :

SB-02-4.0-6.0



Tgt Ion:276 Resp: 106871

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 18.4 15.3 22.9

