

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021623\
 Data File : BM038771.D
 Acq On : 16 Feb 2023 23:49
 Operator : CG/JU
 Sample : 01529-08DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-05-5.0-7.0DL

Quant Time: Feb 17 06:14:22 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 06:10:11 2023
 Response via : Initial Calibration

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

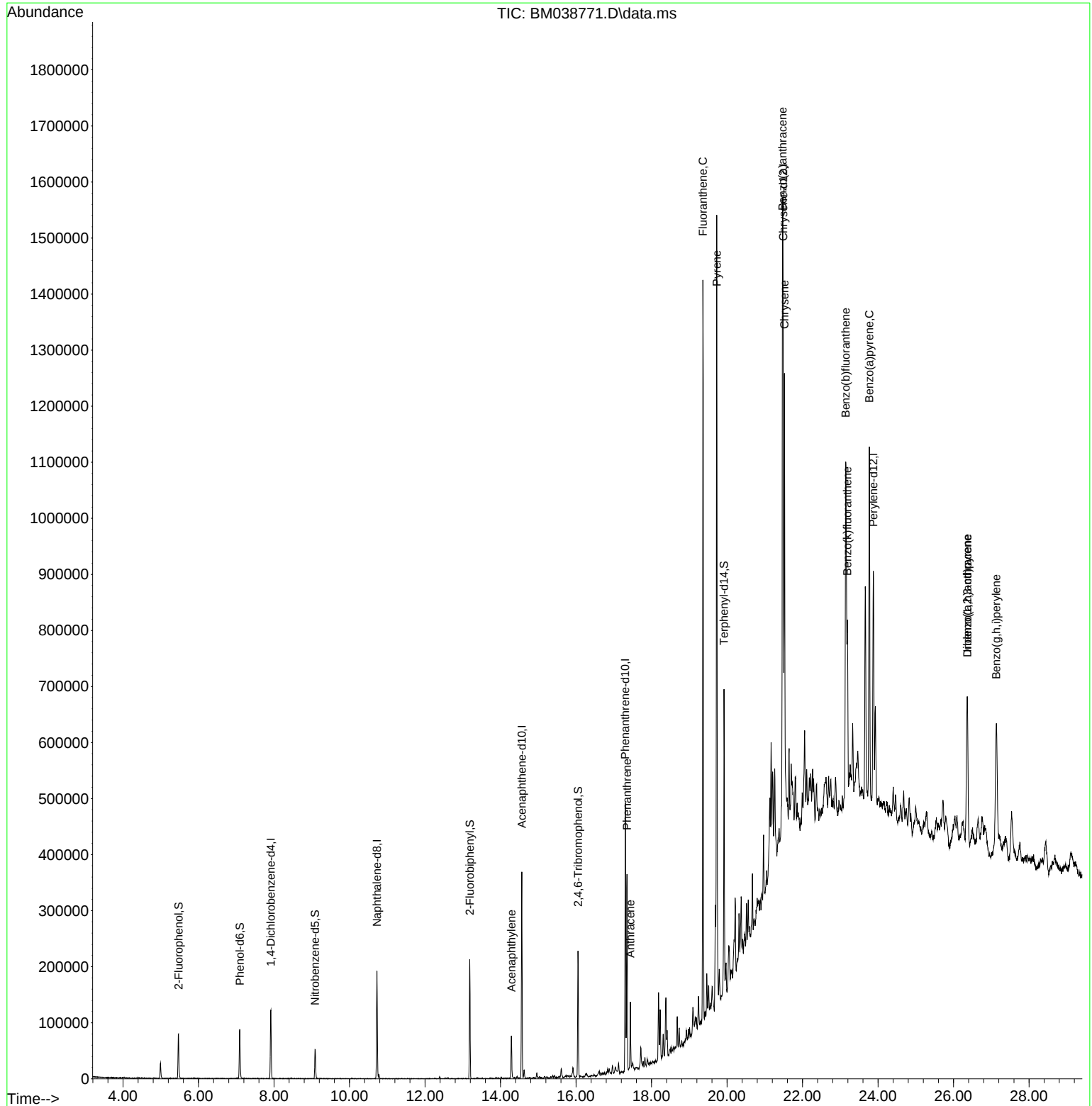
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	37068	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	157242	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	119408	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	288562	20.000	ng	# 0.00
76) Chrysene-d12	21.486	240	318100	20.000	ng	0.00
86) Perylene-d12	23.874	264	307726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	39482	20.865	ng	0.00
7) Phenol-d6	7.092	99	52799	24.464	ng	0.00
23) Nitrobenzene-d5	9.086	82	30983	11.192	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	37957	23.387	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	104783	11.172	ng	0.00
79) Terphenyl-d14	19.921	244	209959	11.648	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.286	152	58966	5.030	ng	97
71) Phenanthrene	17.351	178	205716	12.006	ng	99
72) Anthracene	17.439	178	70001	3.994	ng	95
75) Fluoranthene	19.362	202	713343	39.653	ng	98
78) Pyrene	19.727	202	762653	31.141	ng	99
81) Benzo(a)anthracene	21.468	228	422040	18.756	ng	97
83) Chrysene	21.521	228	351496	16.213	ng	97
87) Indeno(1,2,3-cd)pyrene	26.362	276	264747	10.923	ng	96
88) Benzo(b)fluoranthene	23.144	252	534223	28.984	ng	97
89) Benzo(k)fluoranthene	23.186	252	142964m	7.638	ng	
90) Benzo(a)pyrene	23.768	252	406255	22.288	ng	98
91) Dibenzo(a,h)anthracene	26.368	278	65383	3.206	ng	# 75
92) Benzo(g,h,i)perylene	27.132	276	282694	13.714	ng	98

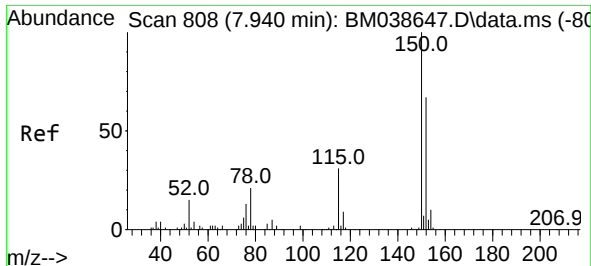
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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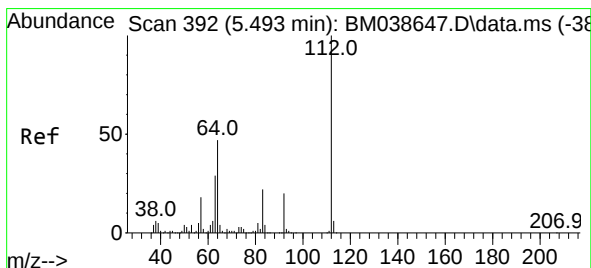
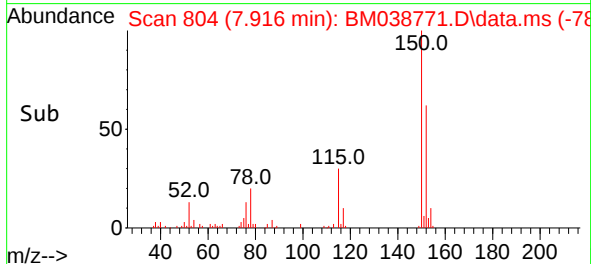
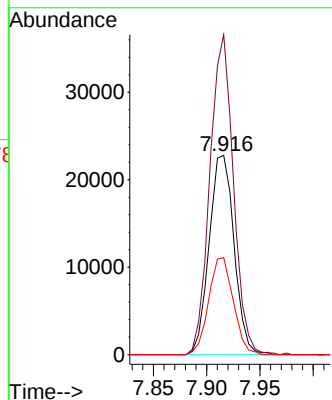
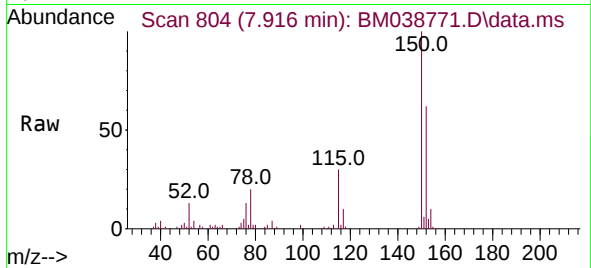




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

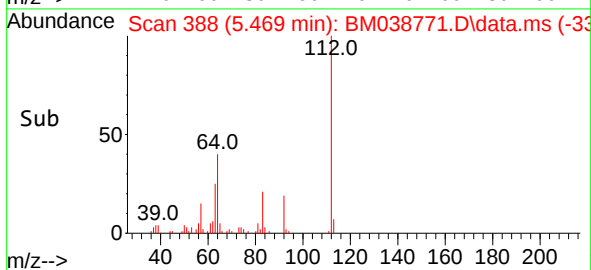
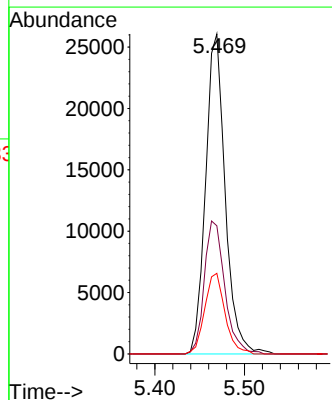
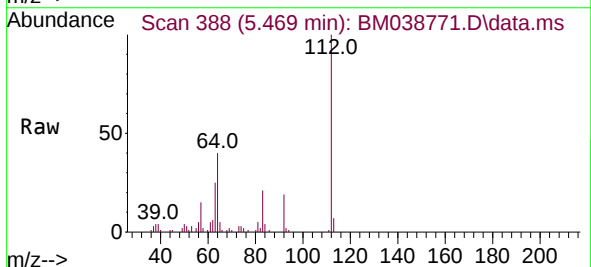
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BNA_M
ClientSampleId :
SB-05-5.0-7.0DL

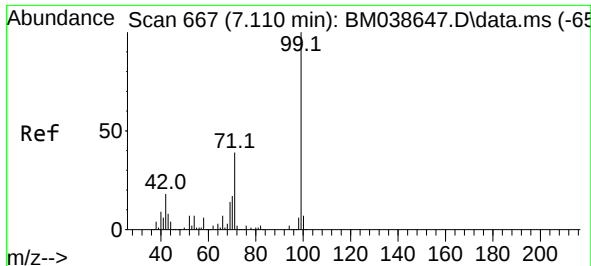
Tgt Ion:152 Resp: 37068
Ion Ratio Lower Upper
152 100
150 160.6 119.5 179.3
115 48.6 37.6 56.4



#5
2-Fluorophenol
Concen: 20.865 ng
RT: 5.469 min Scan# 388
Delta R.T. 0.006 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:112 Resp: 39482
Ion Ratio Lower Upper
112 100
64 40.0 37.9 56.9
63 25.2 23.3 34.9

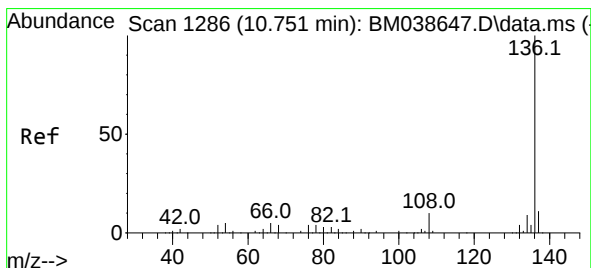
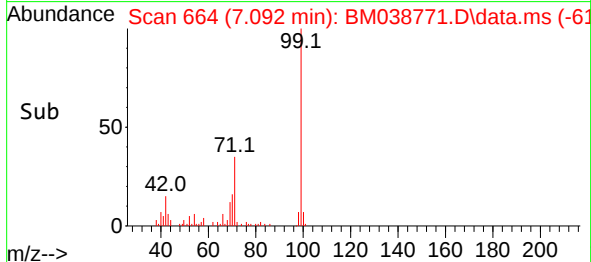
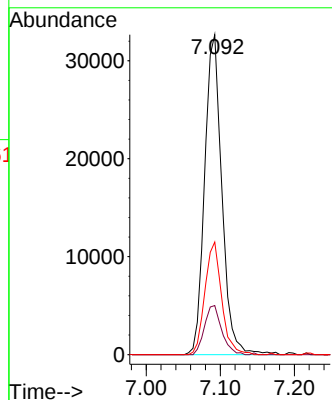
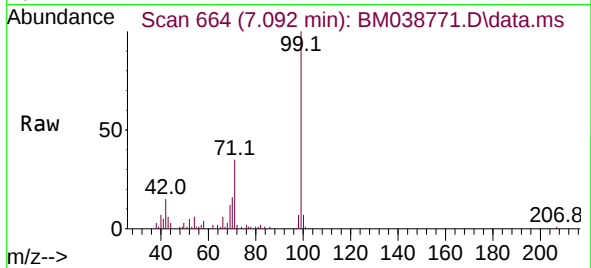




#7
Phenol-d6
Concen: 24.464 ng
RT: 7.092 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

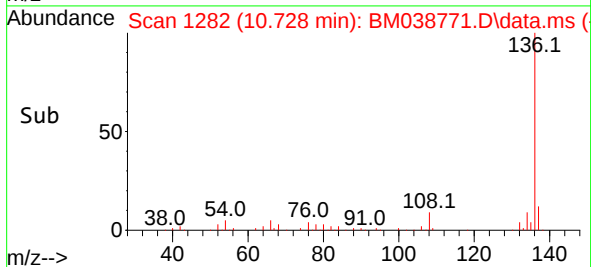
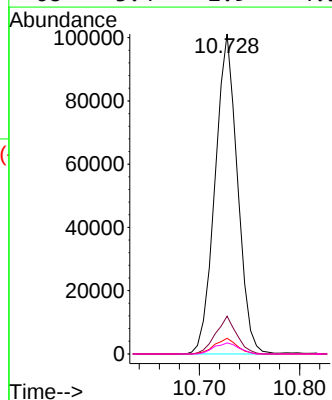
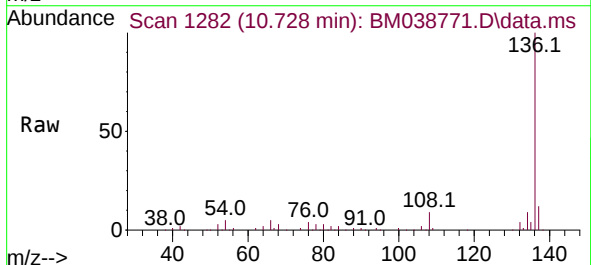
Instrument :
BNA_M
ClientSampleId :
SB-05-5.0-7.0DL

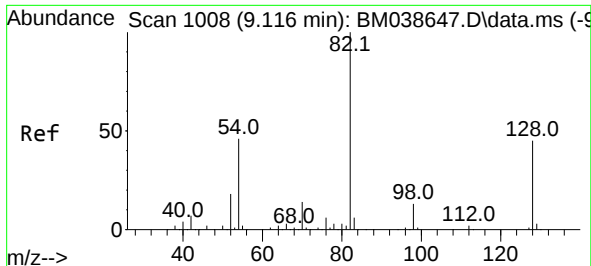
Tgt Ion: 99 Resp: 52799
Ion Ratio Lower Upper
99 100
42 15.3 14.6 22.0
71 35.2 31.0 46.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1282
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion: 136 Resp: 157242
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 4.9 4.2 6.4
68 3.4 2.9 4.3

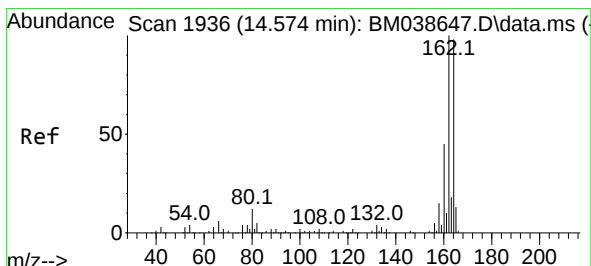
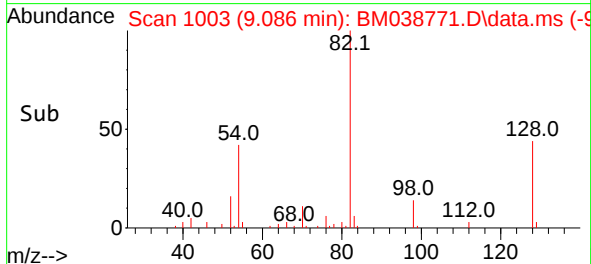
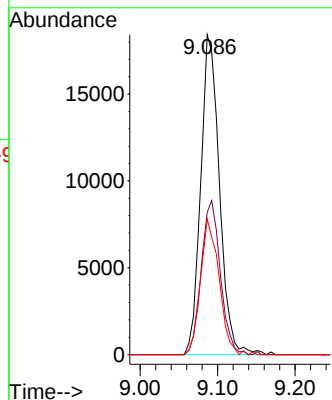
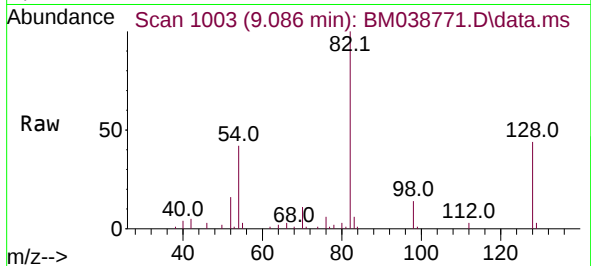




#23
Nitrobenzene-d5
Concen: 11.192 ng
RT: 9.086 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

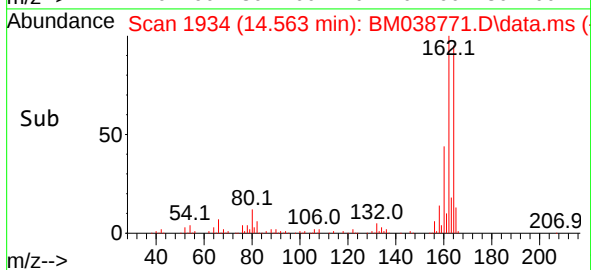
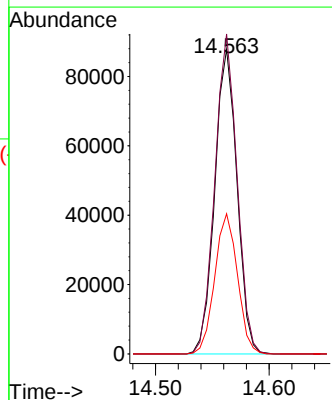
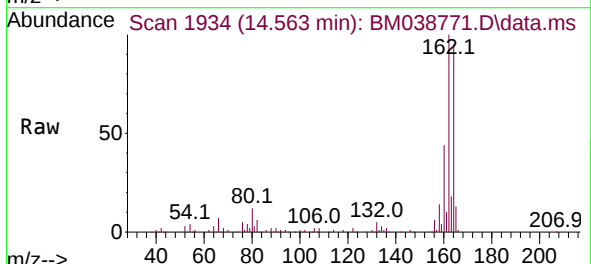
Instrument :
BNA_M
ClientSampleId :
SB-05-5.0-7.0DL

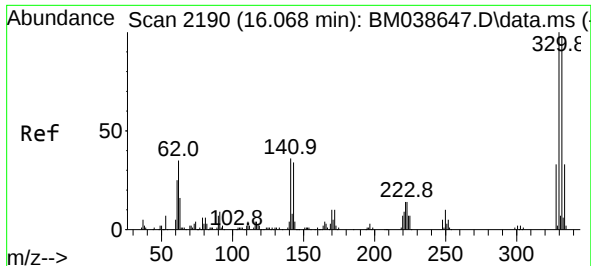
Tgt Ion: 82 Resp: 30983
Ion Ratio Lower Upper
82 100
128 44.5 36.0 54.0
54 42.3 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:164 Resp: 119408
Ion Ratio Lower Upper
164 100
162 105.0 81.4 122.0
160 45.9 36.5 54.7

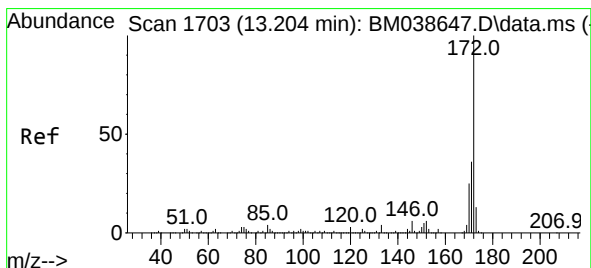
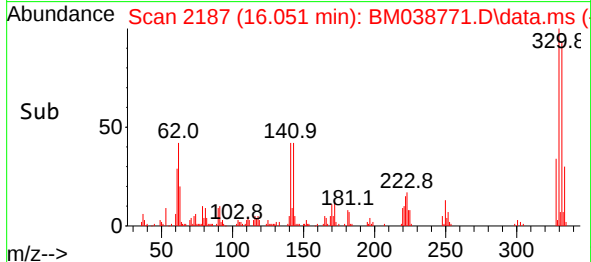
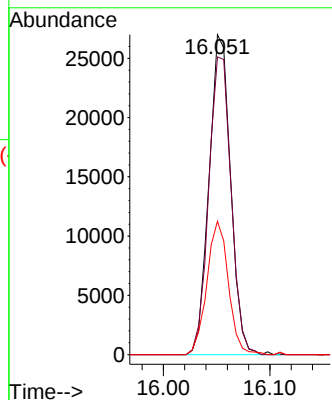
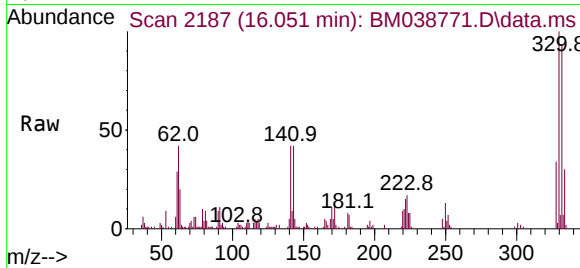




#42
2,4,6-Tribromophenol
Concen: 23.387 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

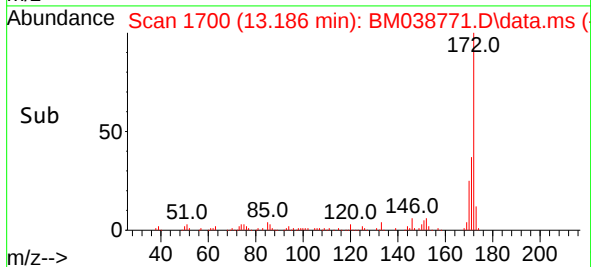
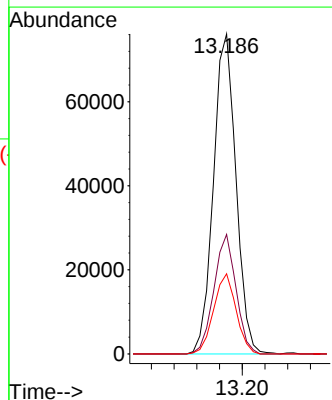
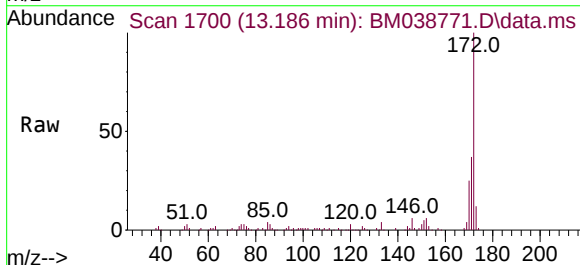
Instrument :
BNA_M
ClientSampleId :
SB-05-5.0-7.0DL

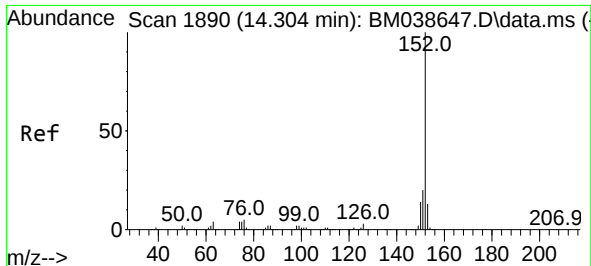
Tgt Ion:330 Resp: 37957
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 41.6 31.0 46.6



#45
2-Fluorobiphenyl
Concen: 11.172 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:172 Resp: 104783
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 25.0 20.0 30.0

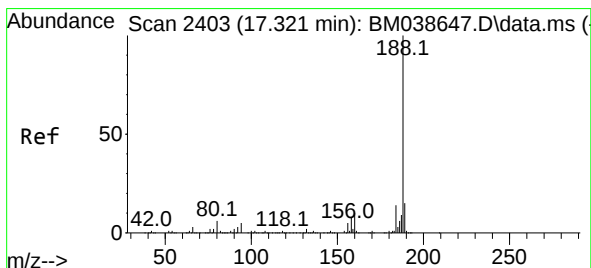
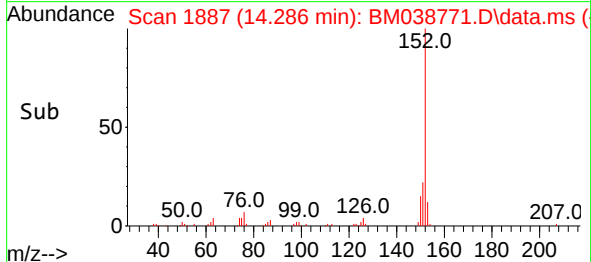
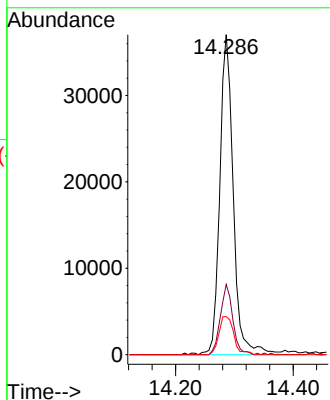
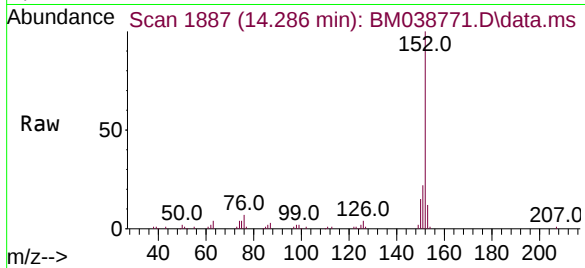




#49
Acenaphthylene
Concen: 5.030 ng
RT: 14.286 min Scan# 1890
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

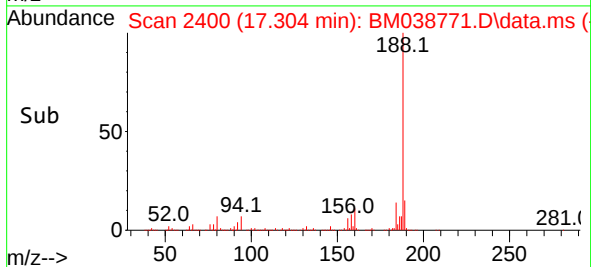
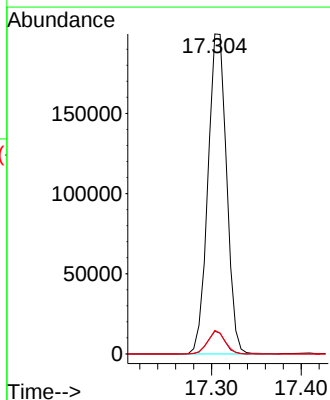
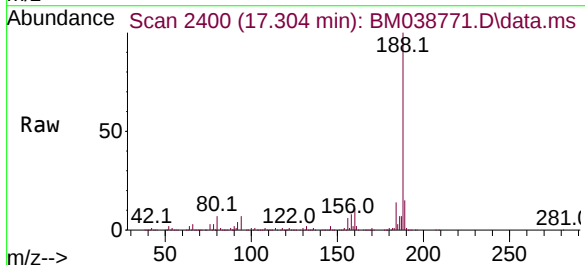
Instrument :
BNA_M
ClientSampleId :
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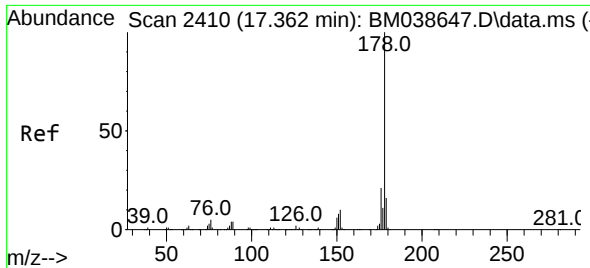
Tgt Ion:152 Resp: 58966
Ion Ratio Lower Upper
152 100
151 21.9 16.1 24.1
153 11.9 10.0 15.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:188 Resp: 288562
Ion Ratio Lower Upper
188 100
94 7.1 4.2 6.4#
80 7.4 4.6 7.0#

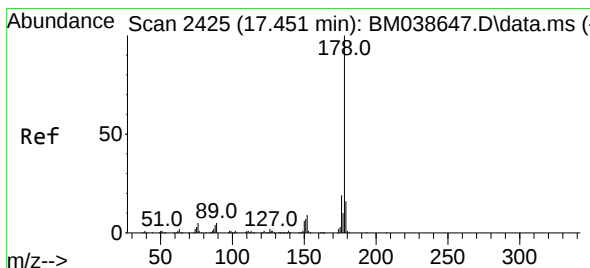
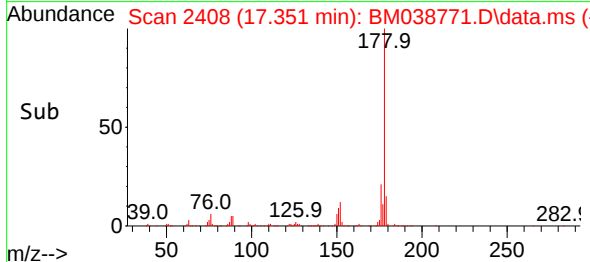
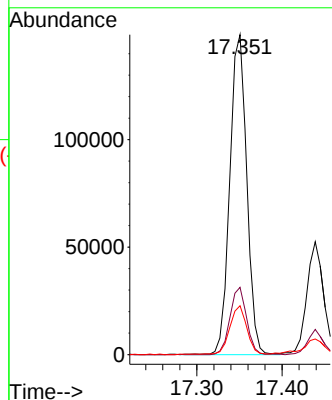
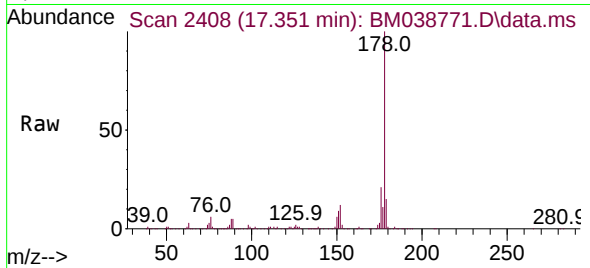




#71
Phenanthrene
Concen: 12.006 ng
RT: 17.351 min Scan# 2410
Delta R.T. 0.006 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

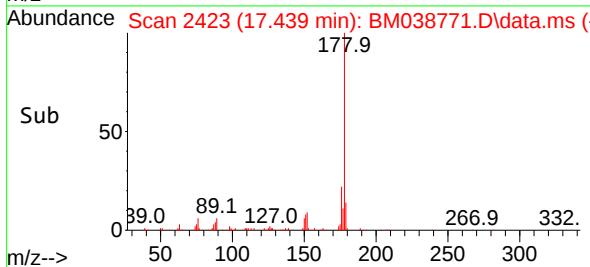
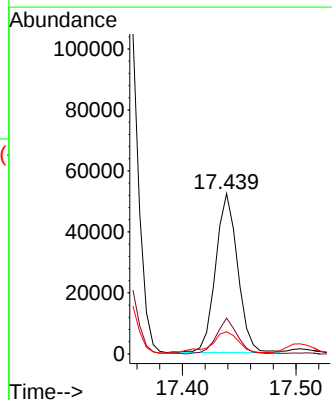
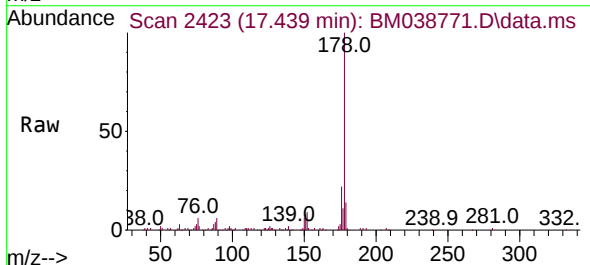
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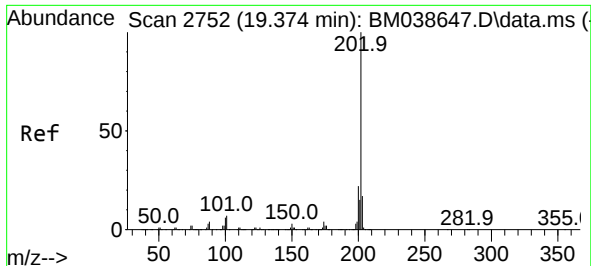
Tgt Ion:178 Resp: 205716
Ion Ratio Lower Upper
178 100
176 21.1 16.7 25.1
179 15.3 12.5 18.7



#72
Anthracene
Concen: 3.994 ng
RT: 17.439 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:178 Resp: 70001
Ion Ratio Lower Upper
178 100
176 22.4 15.6 23.4
179 13.8 12.4 18.6

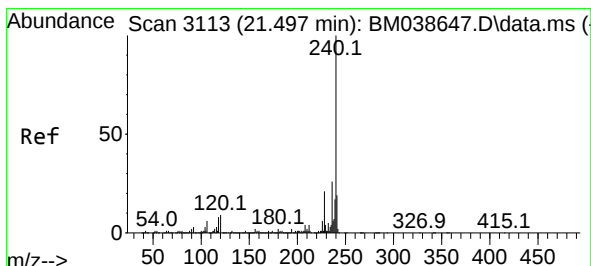
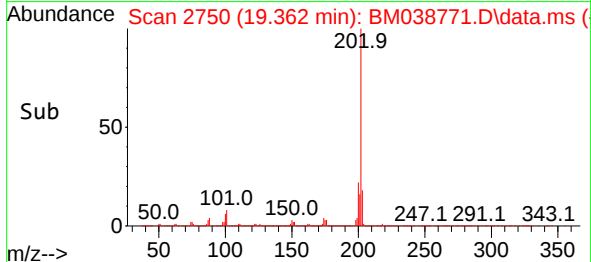
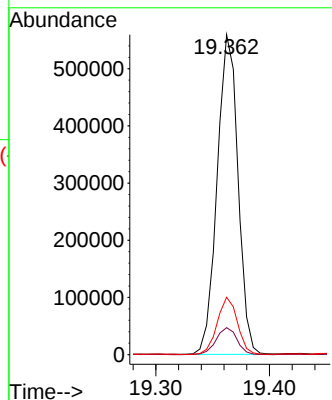
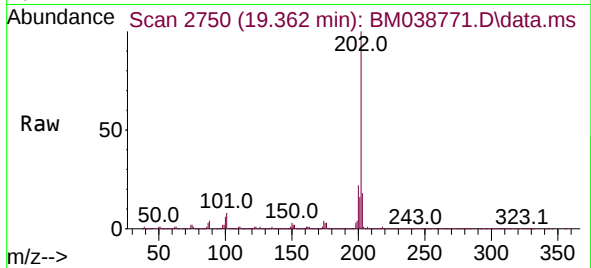




#75
Fluoranthene
Concen: 39.653 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

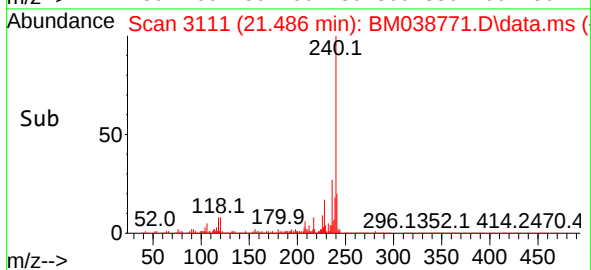
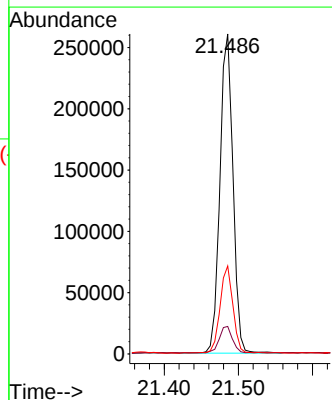
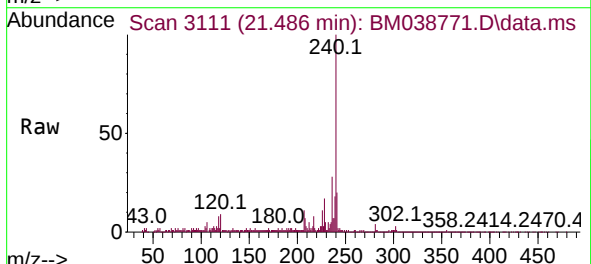
Instrument :
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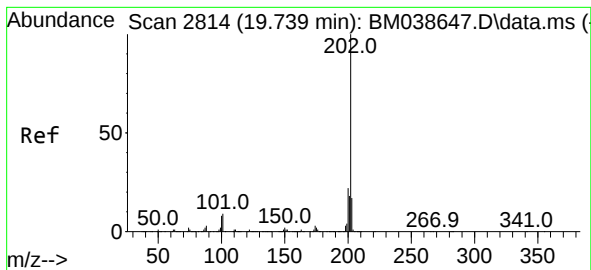
Tgt Ion:202 Resp: 713343
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.4
203 17.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM038771.D
Acq: 16 Feb 2023 23:49

Tgt Ion:240 Resp: 318100
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.4
236 27.5 20.9 31.3





#78

Pyrene

Concen: 31.141 ng

RT: 19.727 min Scan# 2812

Delta R.T. 0.006 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

Instrument :

BNA_M

ClientSampleId :

SB-05-5.0-7.0DL

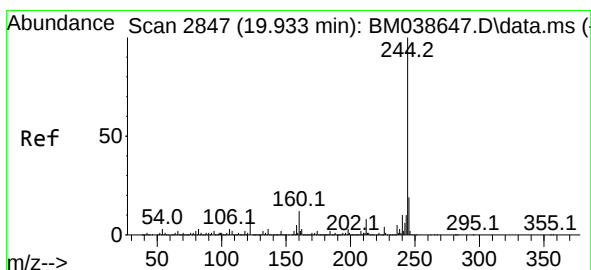
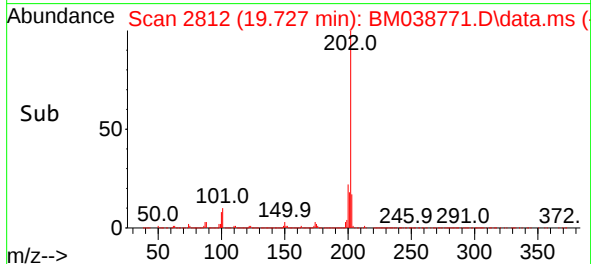
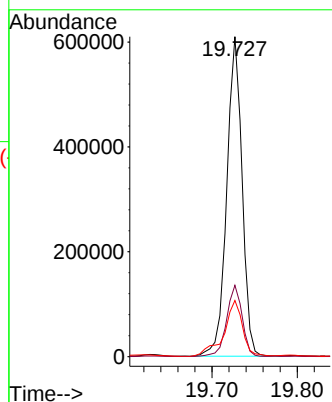
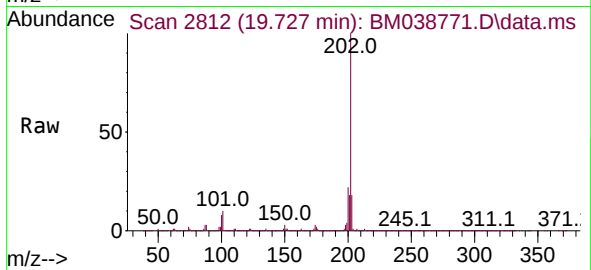
Tgt Ion:202 Resp: 762653

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

203 17.5 13.5 20.3



#79

Terphenyl-d14

Concen: 11.648 ng

RT: 19.921 min Scan# 2845

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

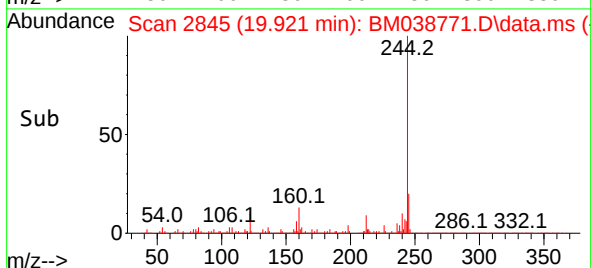
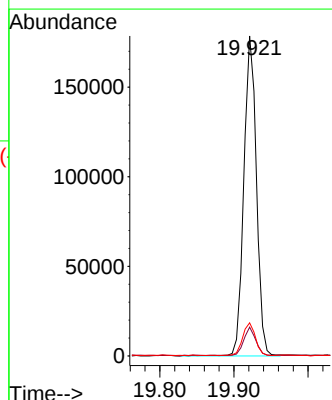
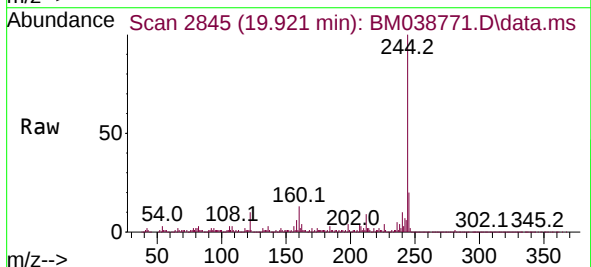
Tgt Ion:244 Resp: 209959

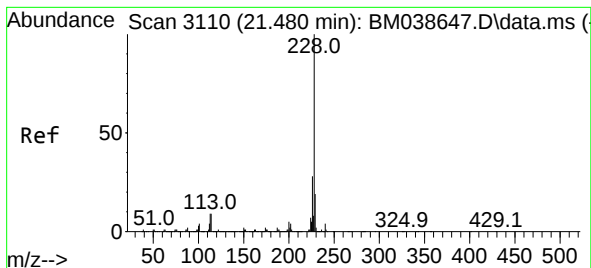
Ion Ratio Lower Upper

244 100

212 9.0 6.6 9.8

122 10.3 7.8 11.8





#81

Benzo(a)anthracene

Concen: 18.756 ng

RT: 21.468 min Scan# 3110

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

Instrument :

BNA_M

ClientSampleId :

SB-05-5.0-7.0DL

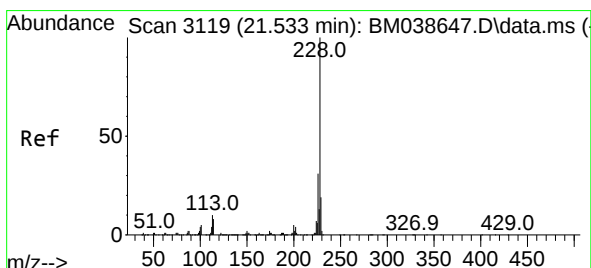
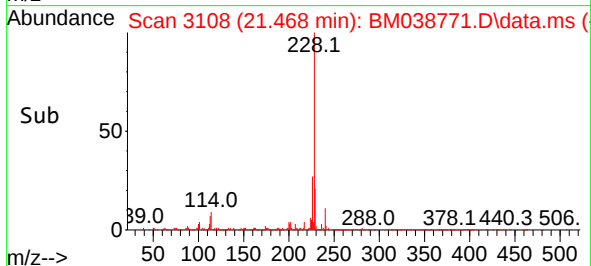
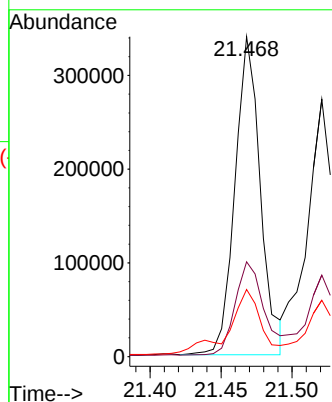
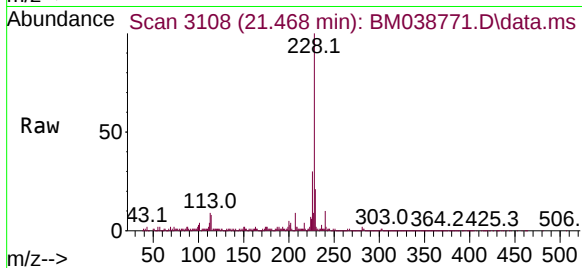
Tgt Ion:228 Resp: 422040

Ion Ratio Lower Upper

228 100

226 29.6 22.2 33.4

229 21.0 15.5 23.3



#83

Chrysene

Concen: 16.213 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

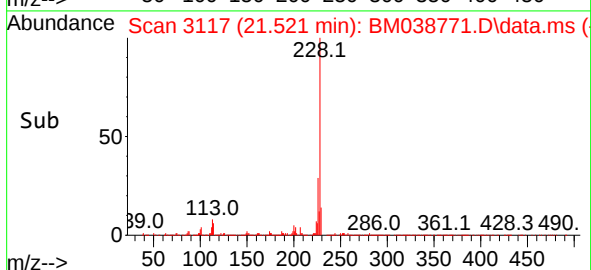
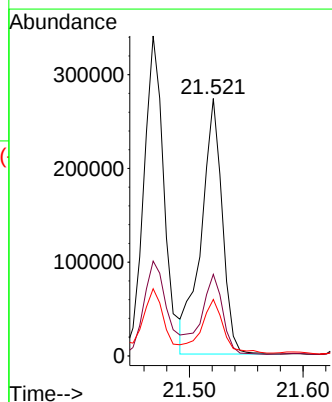
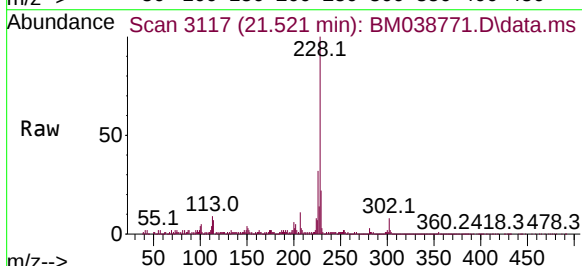
Tgt Ion:228 Resp: 351496

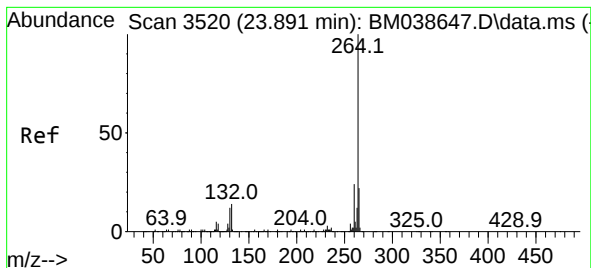
Ion Ratio Lower Upper

228 100

226 31.7 24.7 37.1

229 21.9 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.874 min Scan# 3517

Delta R.T. 0.006 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

Instrument :

BNA_M

ClientSampleId :

SB-05-5.0-7.0DL

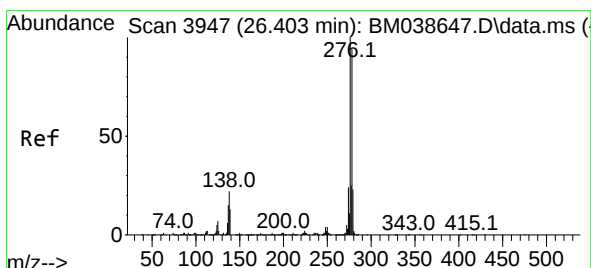
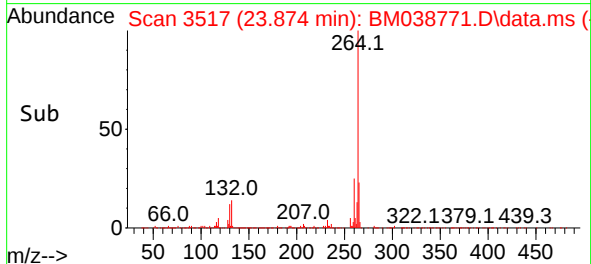
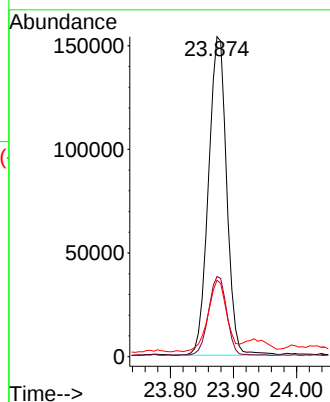
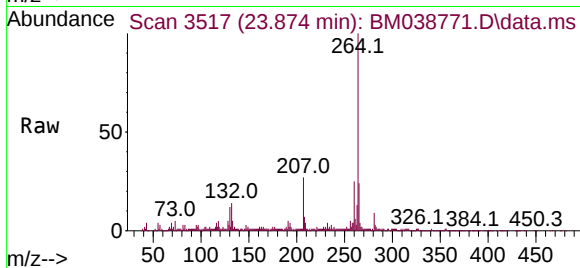
Tgt Ion:264 Resp: 307726

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

265 23.9 17.9 26.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.923 ng

RT: 26.362 min Scan# 3940

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

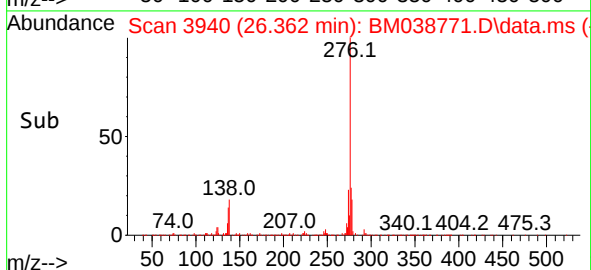
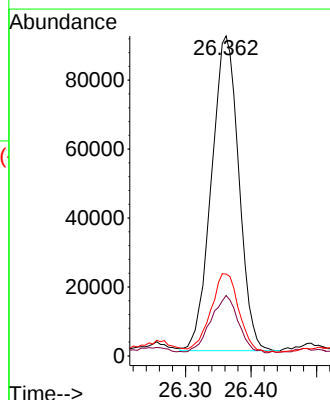
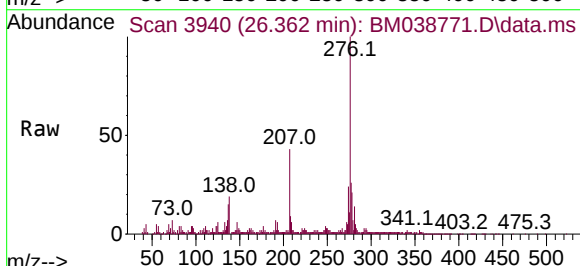
Tgt Ion:276 Resp: 264747

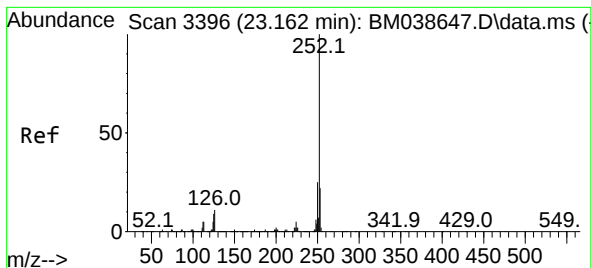
Ion Ratio Lower Upper

276 100

138 18.3 17.2 25.8

277 25.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 28.984 ng

RT: 23.144 min Scan# 3396

Delta R.T. 0.006 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

Instrument :

BNA_M

ClientSampleId :

SB-05-5.0-7.0DL

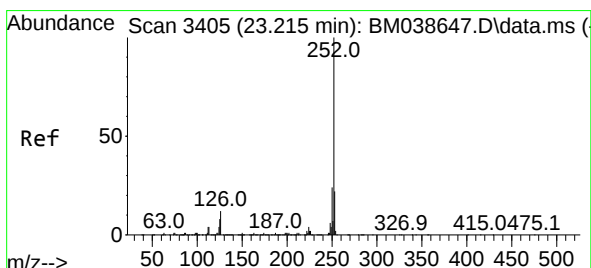
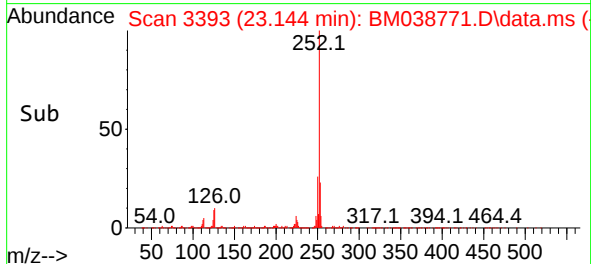
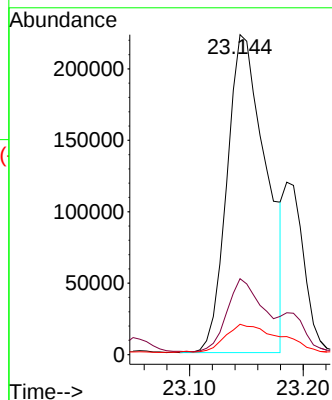
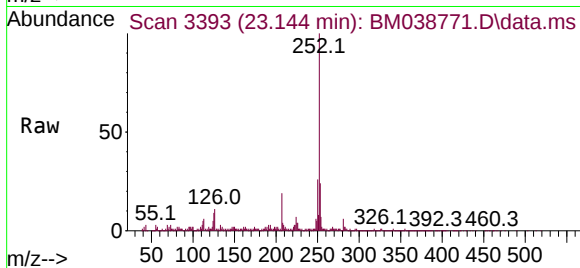
Tgt Ion:252 Resp: 534223

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 9.5 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 7.638 ng m

RT: 23.186 min Scan# 3400

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

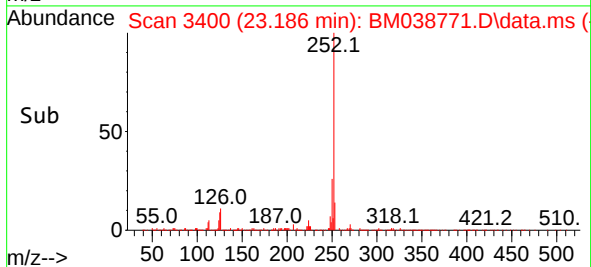
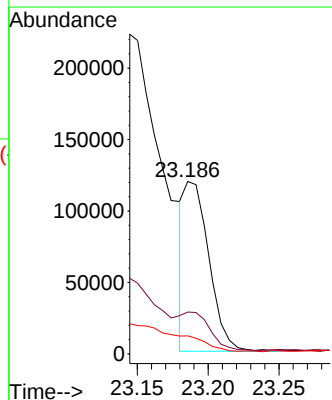
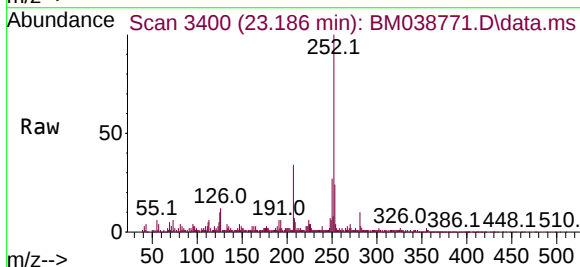
Tgt Ion:252 Resp: 142964

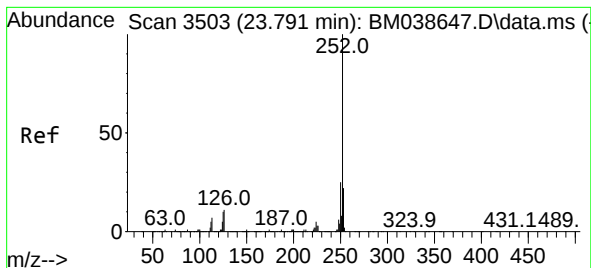
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 10.4 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 22.288 ng

RT: 23.768 min Scan# 34

Delta R.T. 0.006 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

Instrument :

BNA_M

ClientSampleId :

SB-05-5.0-7.0DL

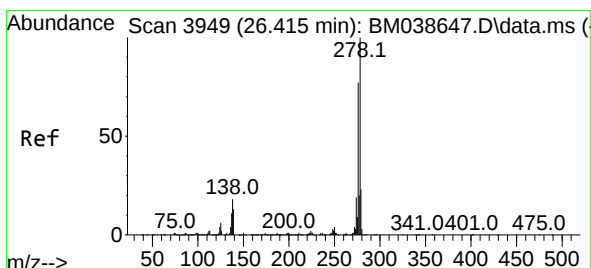
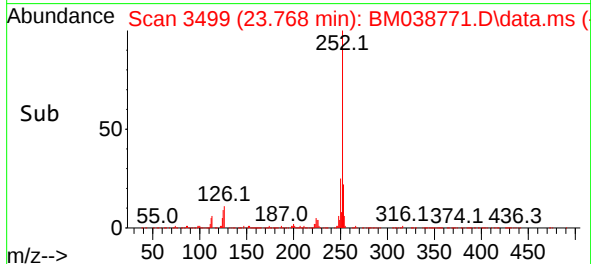
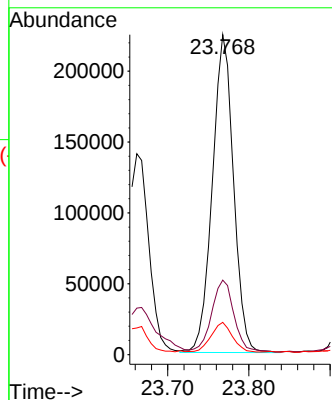
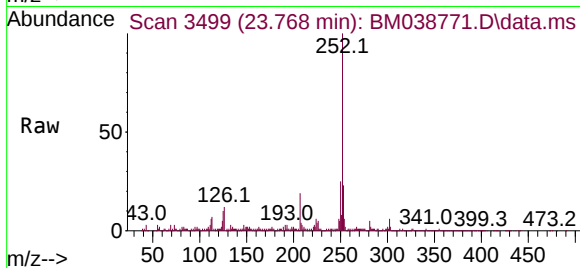
Tgt Ion:252 Resp: 406255

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 10.1 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 3.206 ng

RT: 26.368 min Scan# 3941

Delta R.T. -0.000 min

Lab File: BM038771.D

Acq: 16 Feb 2023 23:49

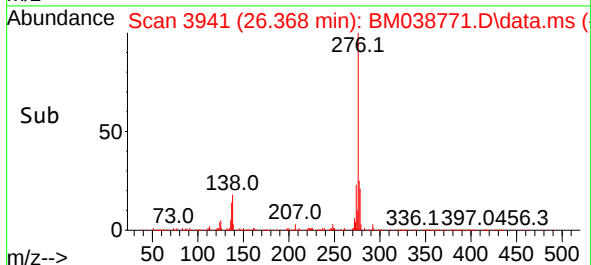
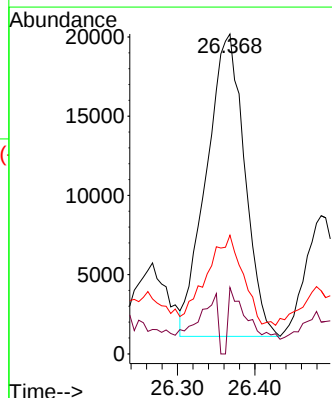
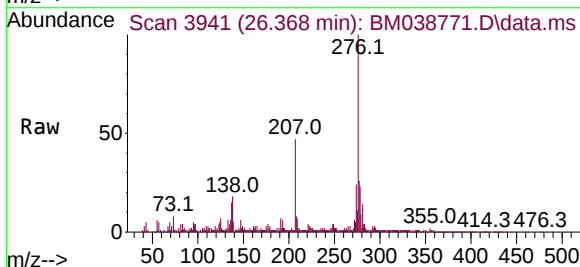
Tgt Ion:278 Resp: 65383

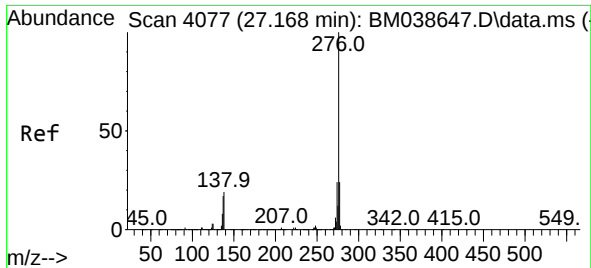
Ion Ratio Lower Upper

278 100

139 20.7 10.5 15.7#

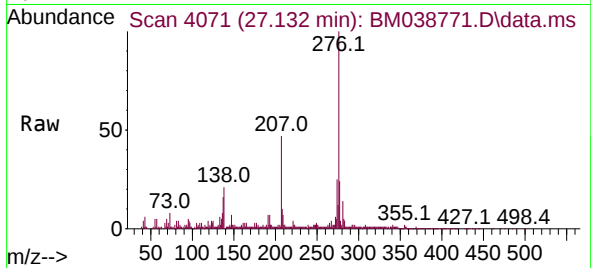
279 37.1 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 13.714 ng
 RT: 27.132 min Scan# 4071
 Delta R.T. 0.006 min
 Lab File: BM038771.D
 Acq: 16 Feb 2023 23:49

Instrument :
 BNA_M
 ClientSampleId :
 SB-05-5.0-7.0DL



Tgt Ion:	276	Resp:	282694
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	20.8	15.3	22.9

