

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM073123\
 Data File : BM041212.D
 Acq On : 01 Aug 2023 06:20
 Operator : MA/JU
 Sample : 03645-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-(0.5-2.0)

Quant Time: Aug 01 07:06:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 16:29:28 2023
 Response via : Initial Calibration

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

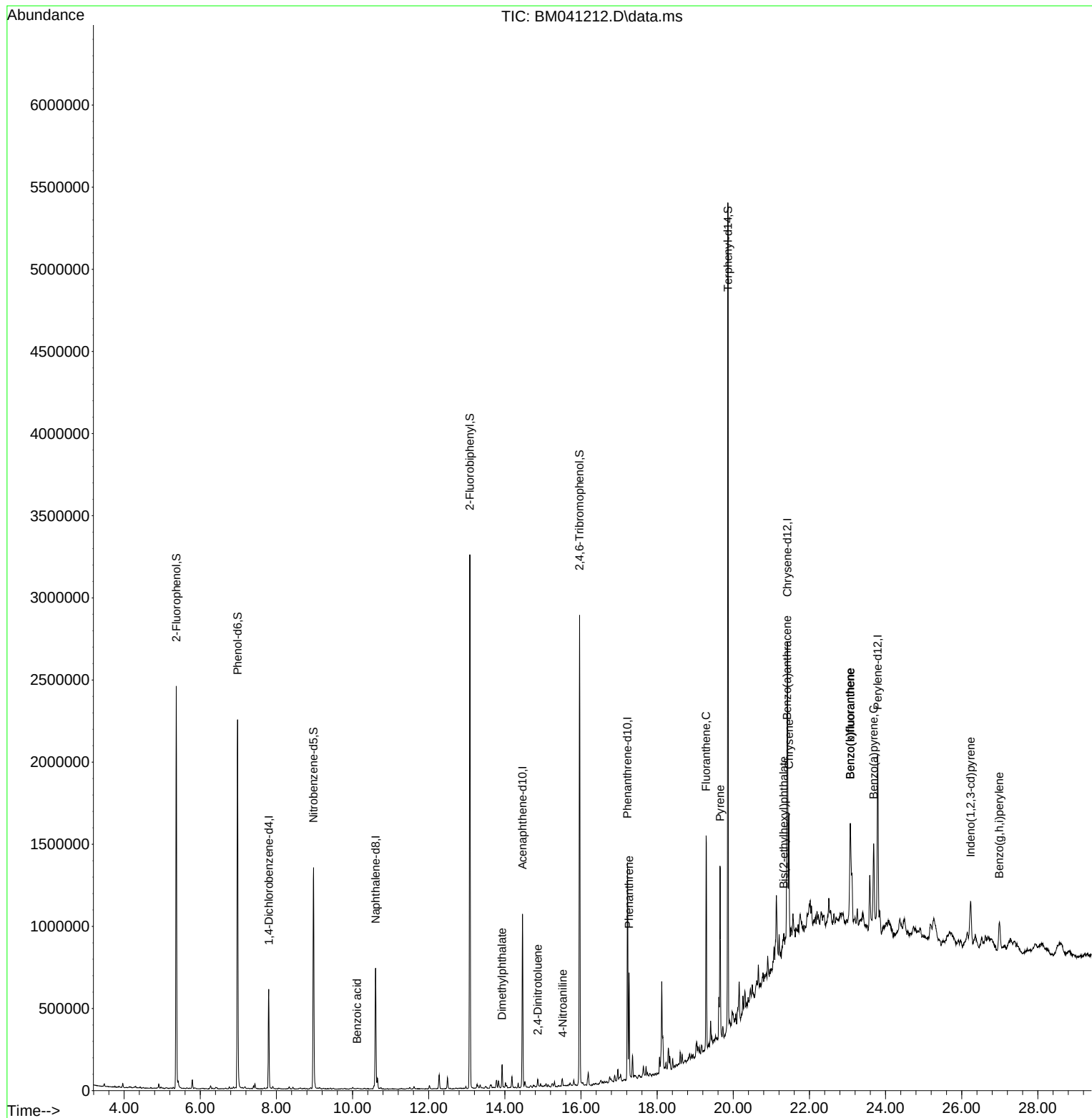
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	153824	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	583804	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	340736	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	748860	20.000	ng	0.00
76) Chrysene-d12	21.421	240	701048	20.000	ng	0.00
86) Perylene-d12	23.791	264	796810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	979911	95.210	ng	0.00
7) Phenol-d6	6.981	99	1227655	92.021	ng	0.00
23) Nitrobenzene-d5	8.975	82	775586	61.781	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	497678	103.263	ng	0.00
45) 2-Fluorobiphenyl	13.080	172	1555190	57.657	ng	0.00
79) Terphenyl-d14	19.862	244	2415718	62.303	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.116	122	241	7.187	ng	# 1
50) Dimethylphthalate	13.927	163	71717	2.798	ng	99
57) 2,4-Dinitrotoluene	14.862	165	671	2.754	ng	# 1
62) 4-Nitroaniline	15.521	138	60	4.157	ng	# 13
71) Phenanthrene	17.262	178	361550	8.690	ng	100
75) Fluoranthene	19.286	202	741740	15.868	ng	100
78) Pyrene	19.650	202	633651	12.925	ng	100
81) Benzo(a)anthracene	21.409	228	368654	7.757	ng	99
83) Chrysene	21.462	228	369141	8.030	ng	97
84) Bis(2-ethylhexyl)phtha...	21.327	149	3664	2.661	ng	# 55
87) Indeno(1,2,3-cd)pyrene	26.232	276	240826	4.111	ng	95
88) Benzo(b)fluoranthene	23.074	252	502334	10.612	ng	98
89) Benzo(k)fluoranthene	23.074	252	502334	10.375	ng	97
90) Benzo(a)pyrene	23.685	252	340050	7.476	ng	96
92) Benzo(g,h,i)perylene	26.985	276	222194	4.647	ng	97

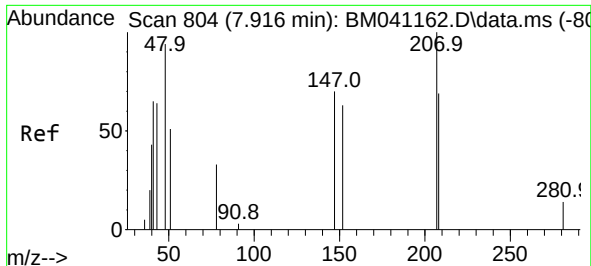
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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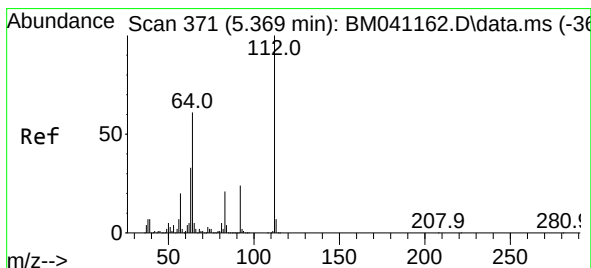
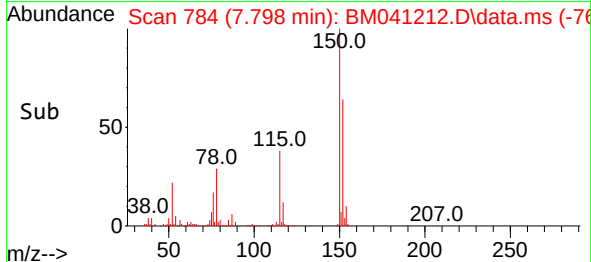
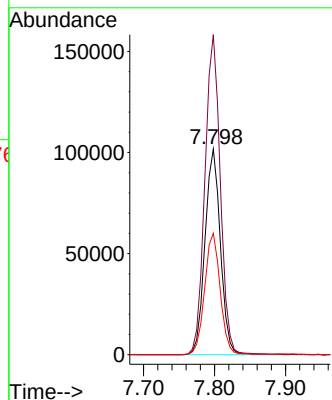
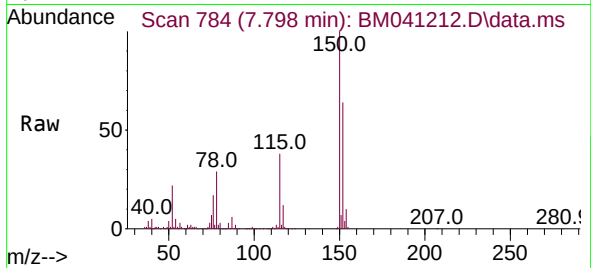




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

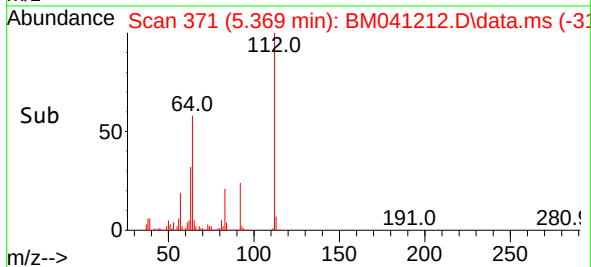
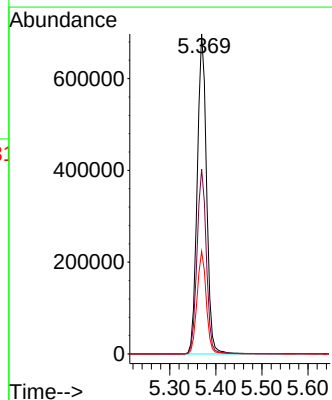
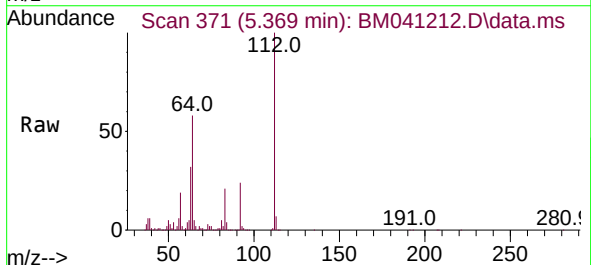
Instrument :
BNA_M
ClientSampleId :
SB-08-(0.5-2.0)

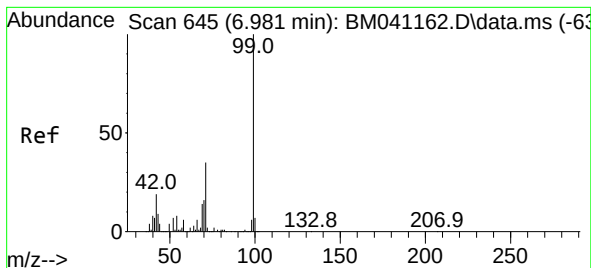
Tgt Ion:152 Resp: 153824
Ion Ratio Lower Upper
152 100
150 155.7 125.5 188.3
115 59.1 48.0 72.0



#5
2-Fluorophenol
Concen: 95.210 ng
RT: 5.369 min Scan# 371
Delta R.T. 0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:112 Resp: 979911
Ion Ratio Lower Upper
112 100
64 57.8 48.5 72.7
63 32.0 26.5 39.7





#7

Phenol-d6

Concen: 92.021 ng

RT: 6.981 min Scan# 645

Delta R.T. 0.006 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

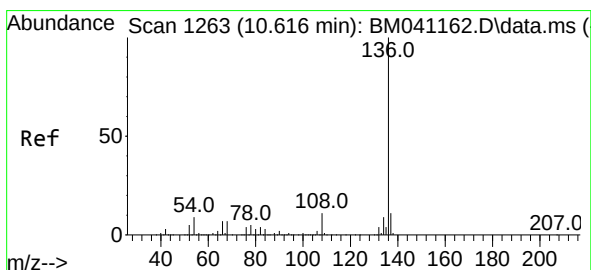
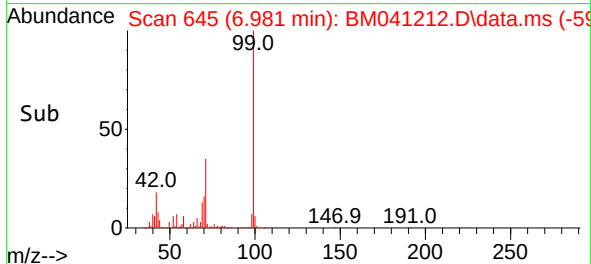
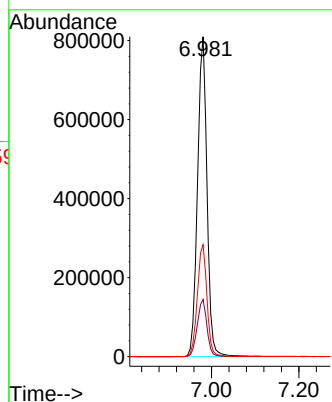
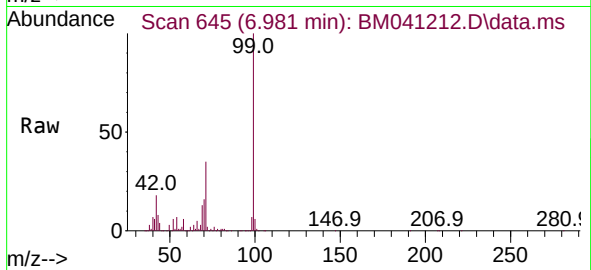
BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

Tgt Ion: 99 Resp: 1227655

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.4	23.0
71	35.0	28.2	42.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.604 min Scan# 1261

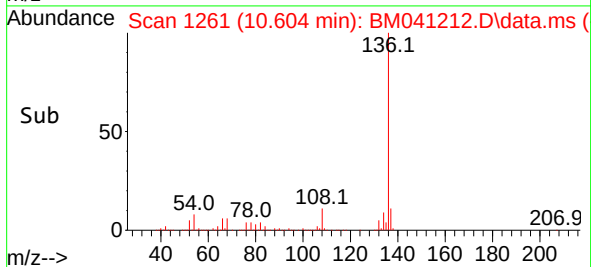
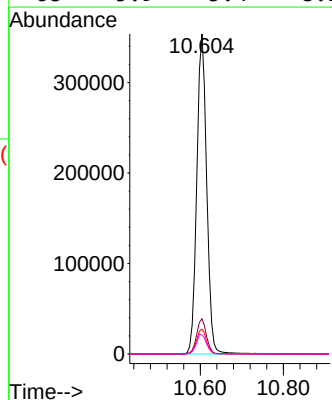
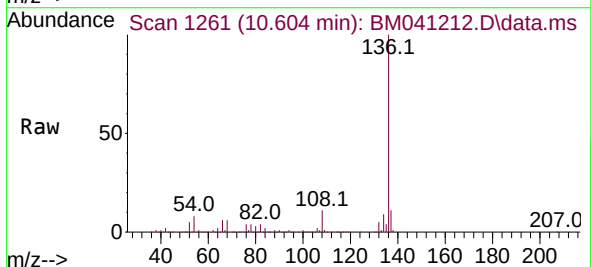
Delta R.T. -0.000 min

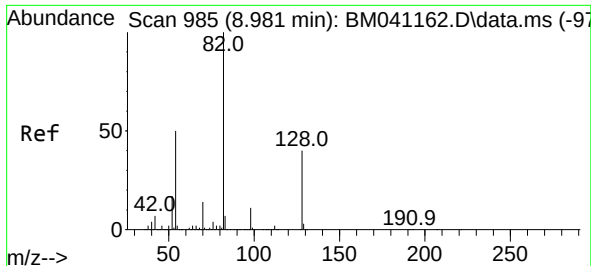
Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Tgt Ion: 136 Resp: 583804

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.7	6.9	10.3
68	5.9	5.4	8.2

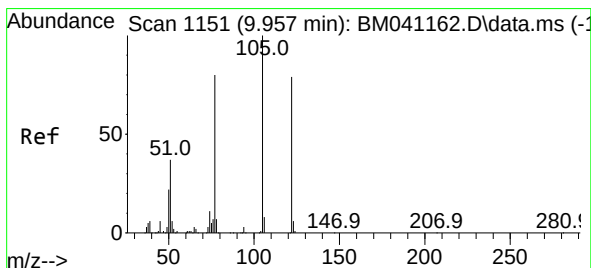
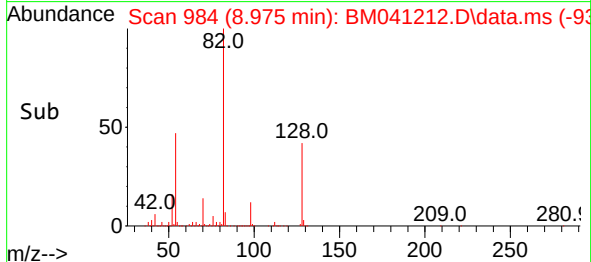
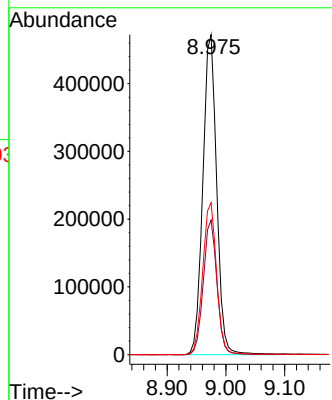
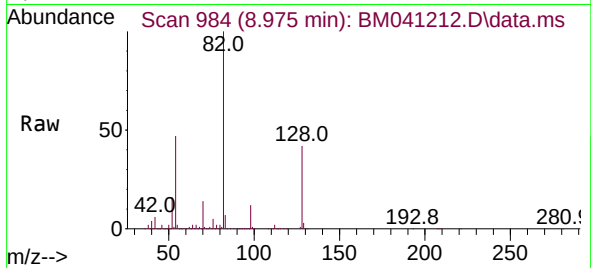




#23
Nitrobenzene-d5
Concen: 61.781 ng
RT: 8.975 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

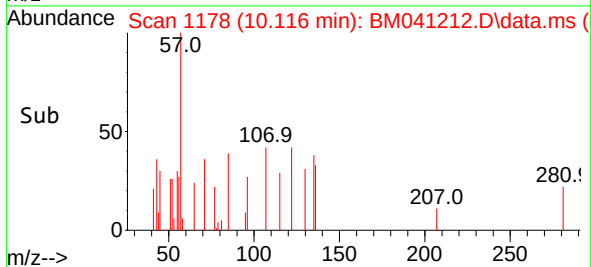
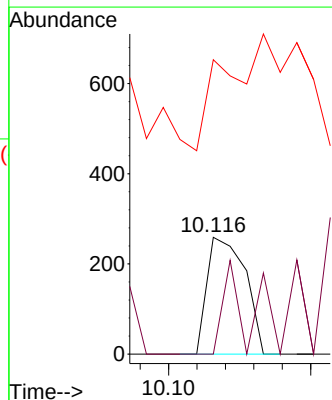
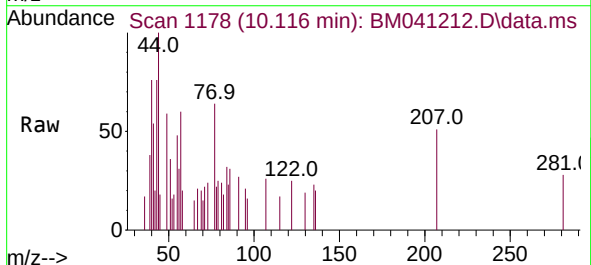
Instrument :
BNA_M
ClientSampleId :
SB-08-(0.5-2.0)

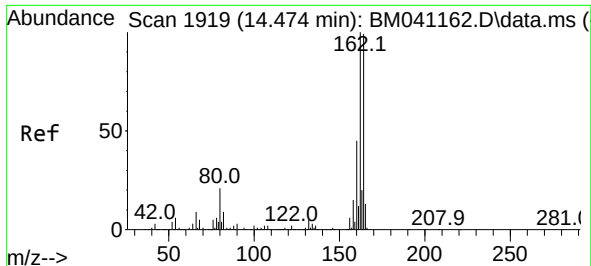
Tgt Ion: 82 Resp: 775586
Ion Ratio Lower Upper
82 100
128 42.1 31.8 47.6
54 47.5 40.1 60.1



#32
Benzoic acid
Concen: 7.187 ng
RT: 10.116 min Scan# 1178
Delta R.T. 0.170 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:122 Resp: 241
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 252.1 79.9 119.9#

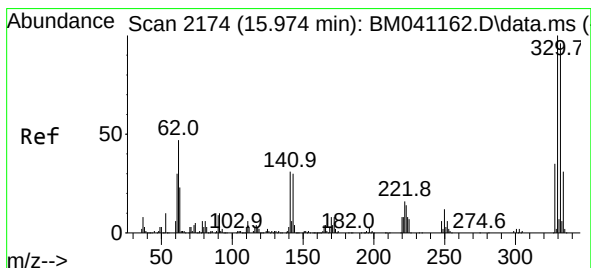
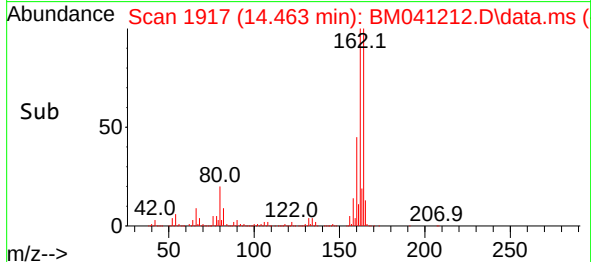
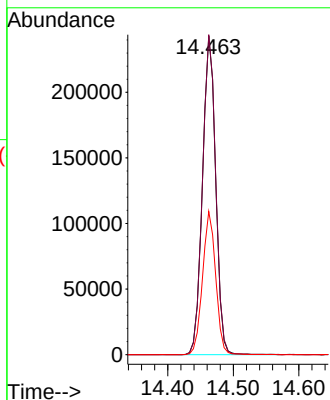
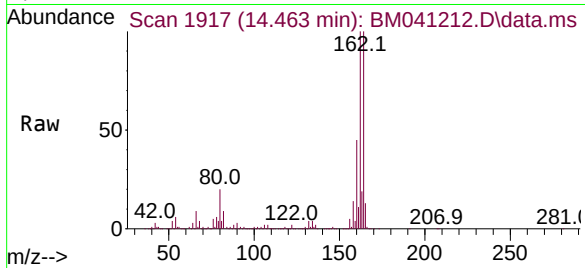




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

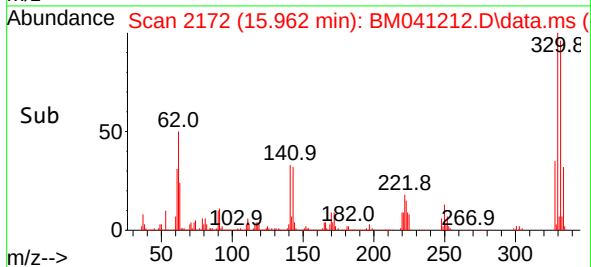
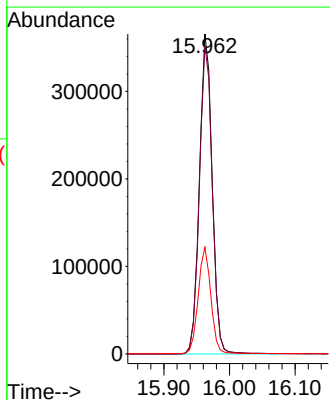
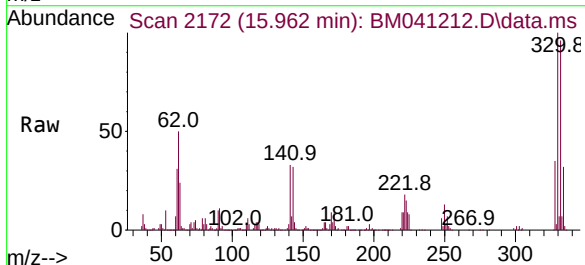
Instrument :
BNA_M
ClientSampleId :
SB-08-(0.5-2.0)

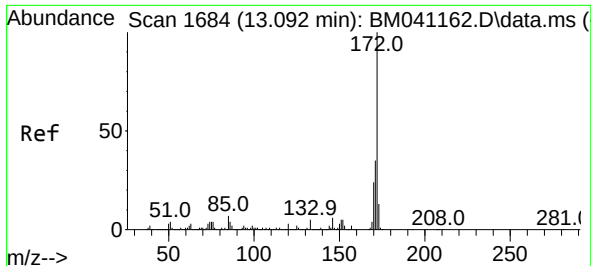
Tgt Ion:164 Resp: 340736
Ion Ratio Lower Upper
164 100
162 100.5 80.4 120.6
160 45.0 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 103.263 ng
RT: 15.962 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:330 Resp: 497678
Ion Ratio Lower Upper
330 100
332 97.0 77.7 116.5
141 32.7 28.3 42.5

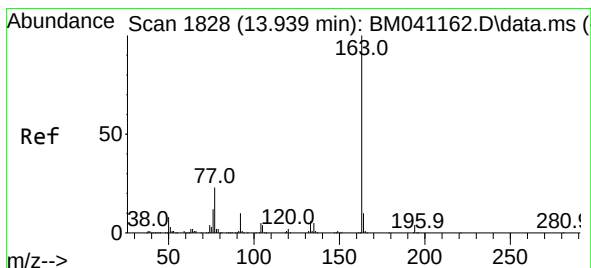
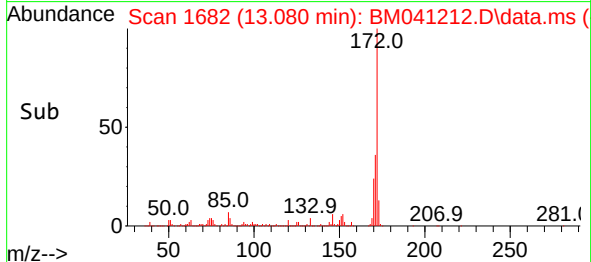
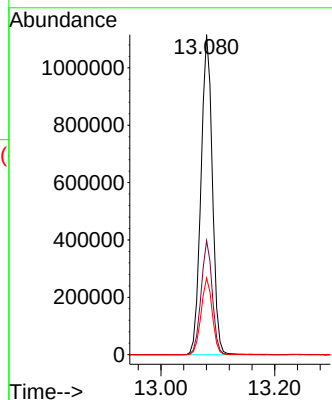
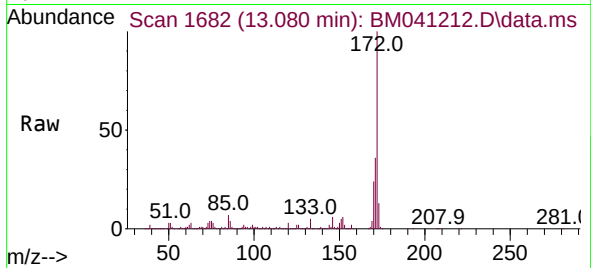




#45
2-Fluorobiphenyl
Concen: 57.657 ng
RT: 13.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

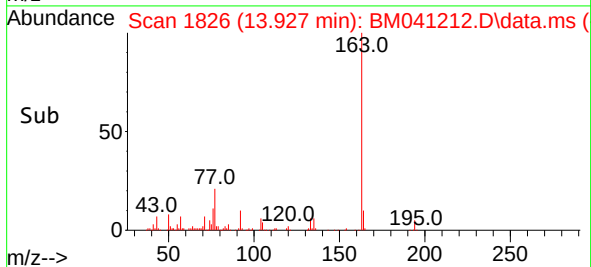
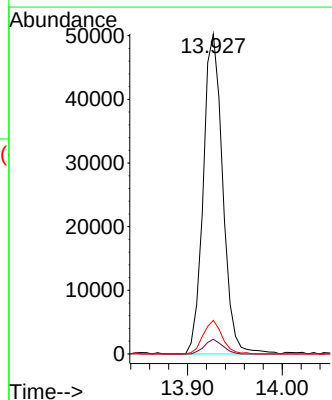
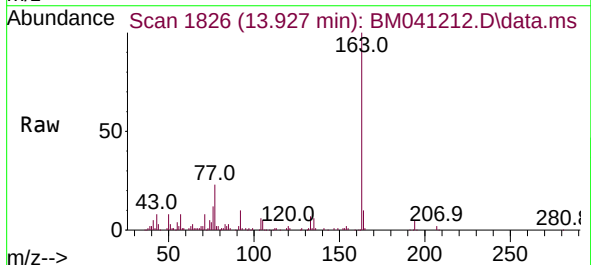
Instrument :
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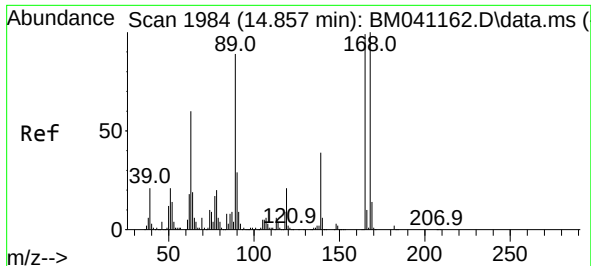
Tgt Ion:172 Resp: 1555190
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.9 18.9 28.3



#50
Dimethylphthalate
Concen: 2.798 ng
RT: 13.927 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:163 Resp: 71717
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 10.5 8.3 12.5





#57

2,4-Dinitrotoluene

Concen: 2.754 ng

RT: 14.862 min Scan# 1984

Delta R.T. 0.012 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

Tgt Ion:165 Resp: 671

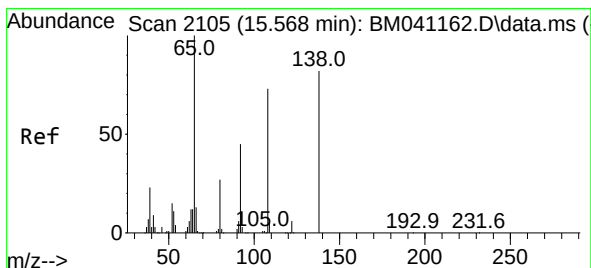
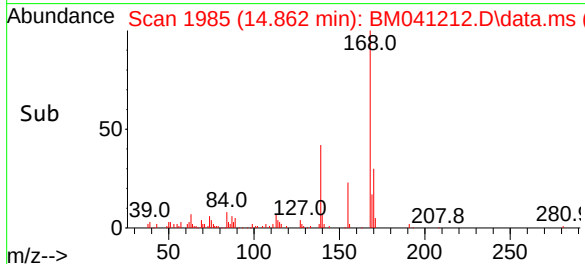
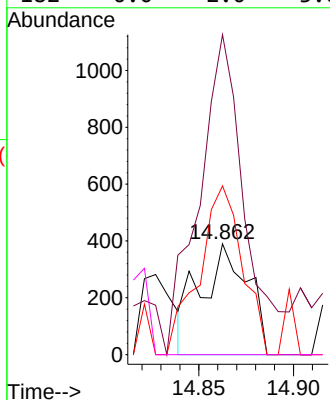
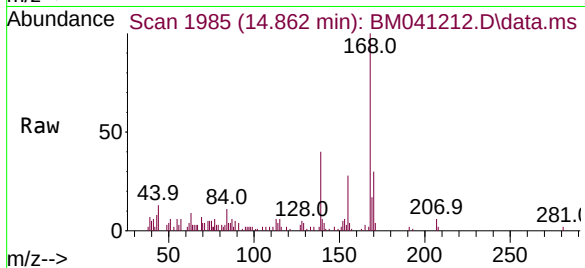
Ion Ratio Lower Upper

165 100

63 288.7 48.3 72.5#

89 152.3 71.8 107.8#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 4.157 ng

RT: 15.521 min Scan# 2097

Delta R.T. -0.041 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

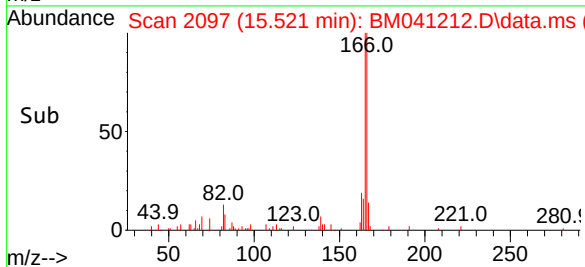
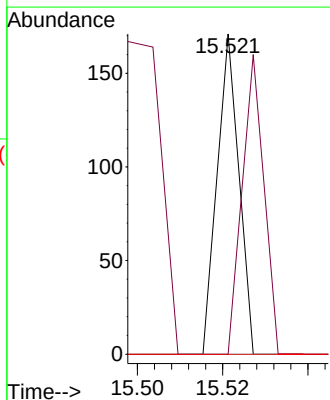
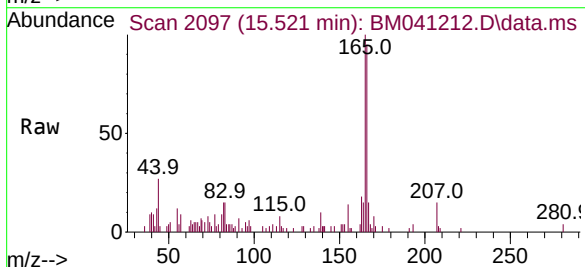
Tgt Ion:138 Resp: 60

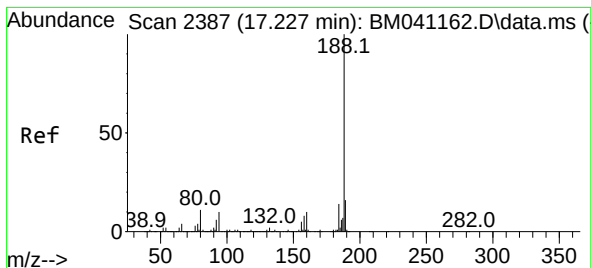
Ion Ratio Lower Upper

138 100

92 0.0 35.1 75.1#

108 0.0 67.8 107.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

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BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

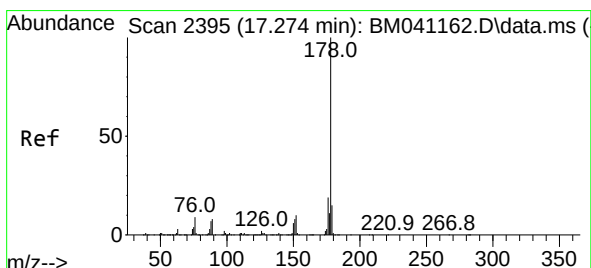
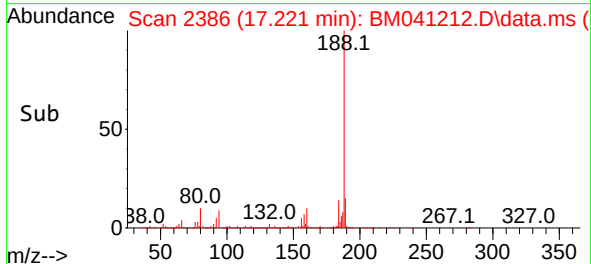
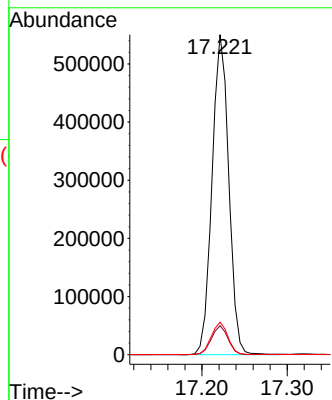
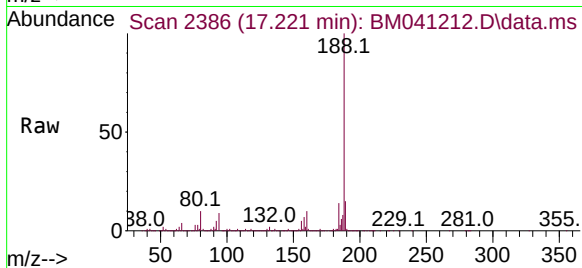
Tgt Ion:188 Resp: 748860

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

80 10.2 8.6 13.0



#71

Phenanthrene

Concen: 8.690 ng

RT: 17.262 min Scan# 2393

Delta R.T. -0.006 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

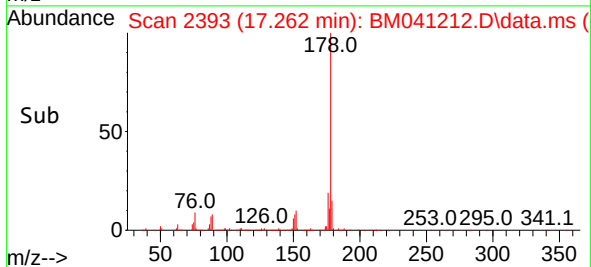
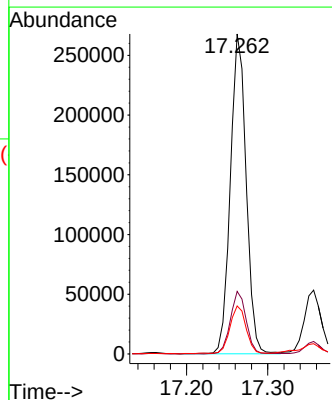
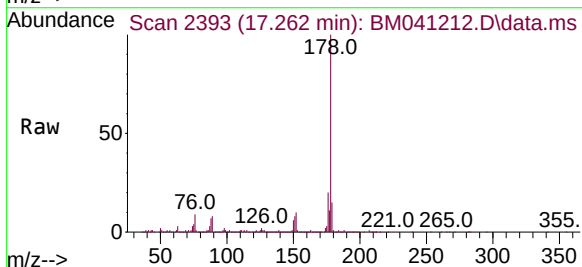
Tgt Ion:178 Resp: 361550

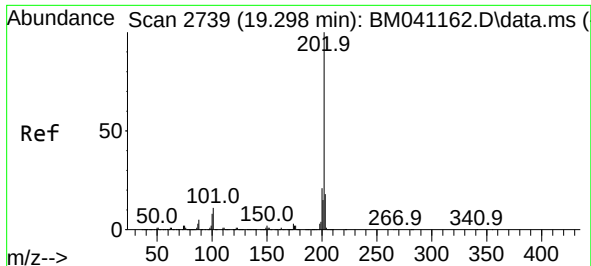
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.0 12.1 18.1

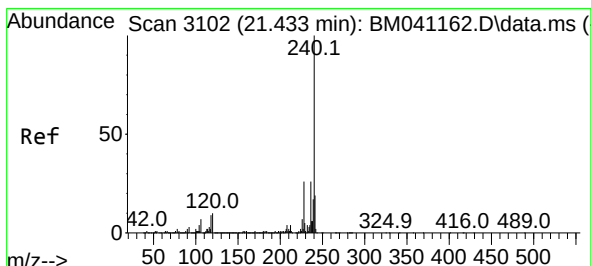
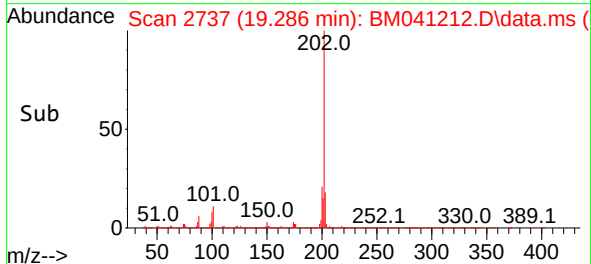
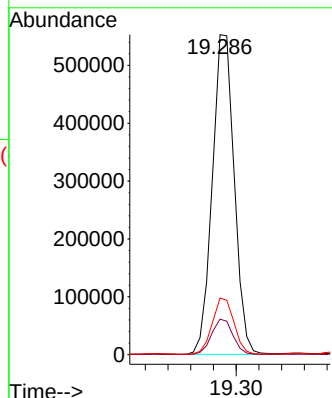
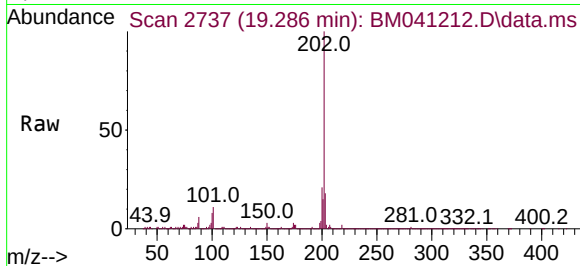




#75
Fluoranthene
Concen: 15.868 ng
RT: 19.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

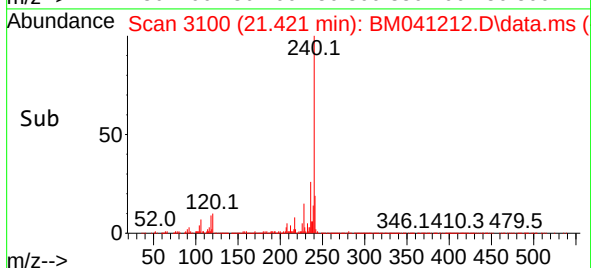
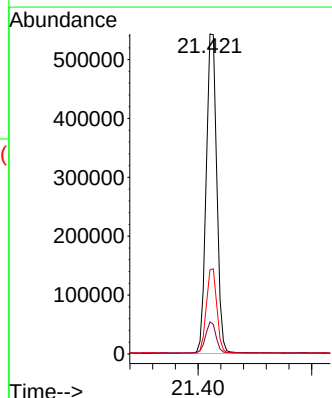
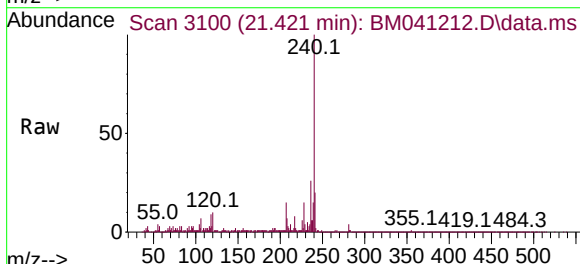
Instrument :
BNA_M
ClientSampleId :
SB-08-(0.5-2.0)

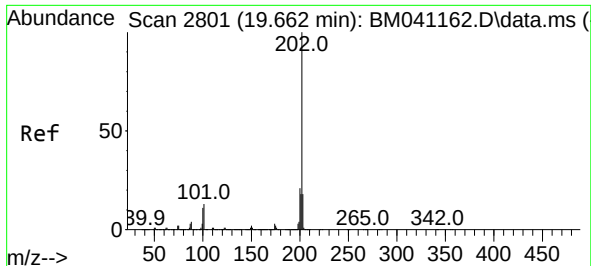
Tgt Ion:202 Resp: 741740
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.8
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:240 Resp: 701048
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.3 20.6 30.8

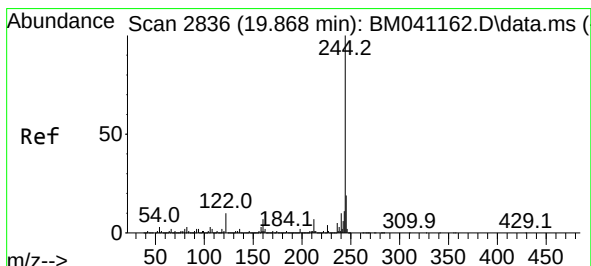
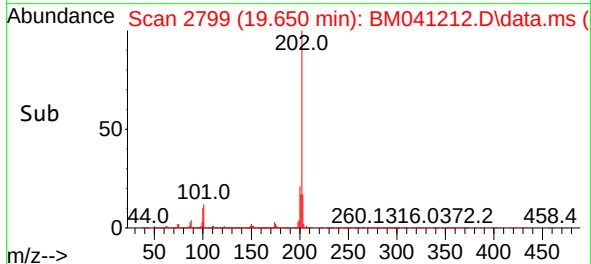
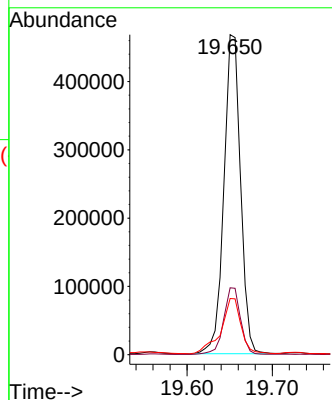
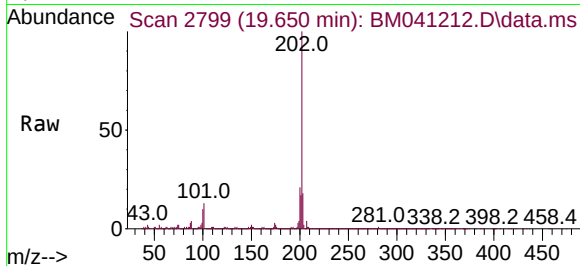




#78
Pyrene
Concen: 12.925 ng
RT: 19.650 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

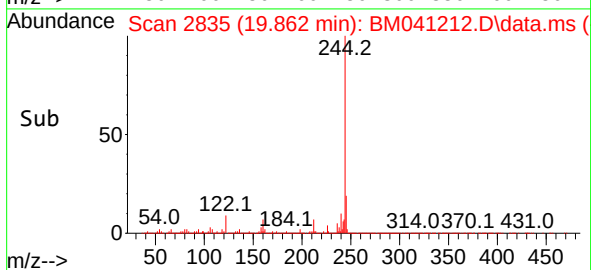
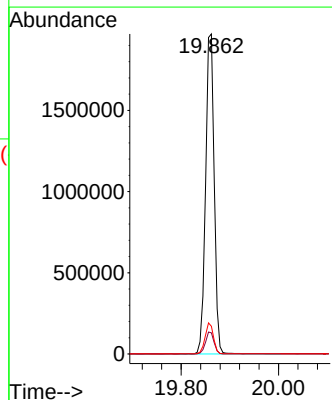
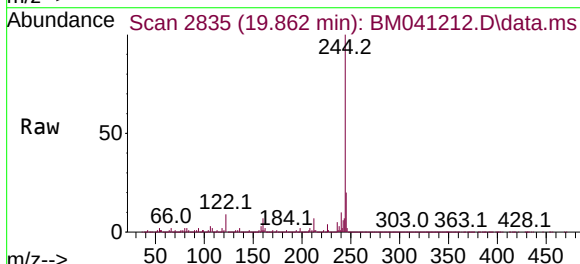
Instrument :
BNA_M
ClientSampleId :
SB-08-(0.5-2.0)

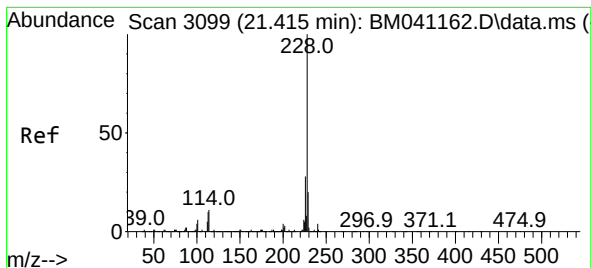
Tgt Ion:202 Resp: 633651
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 62.303 ng
RT: 19.862 min Scan# 2835
Delta R.T. -0.000 min
Lab File: BM041212.D
Acq: 01 Aug 2023 06:20

Tgt Ion:244 Resp: 2415718
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 8.7 7.8 11.6





#81

Benzo(a)anthracene

Concen: 7.757 ng

RT: 21.409 min Scan# 3099

Delta R.T. -0.000 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

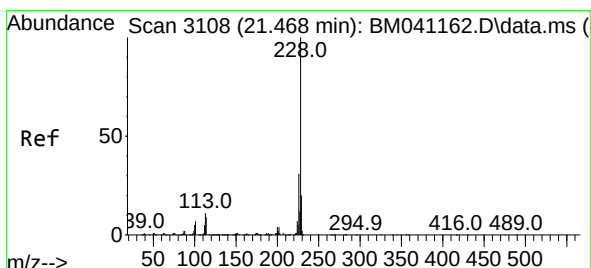
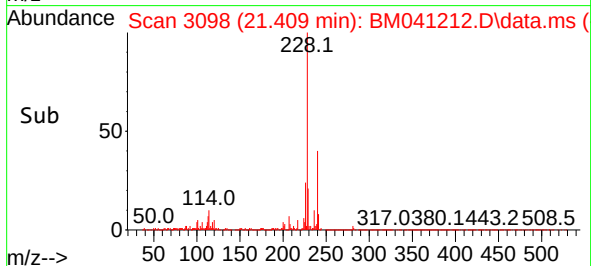
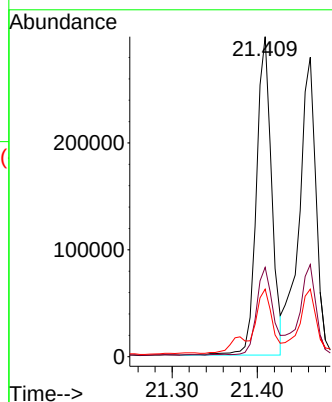
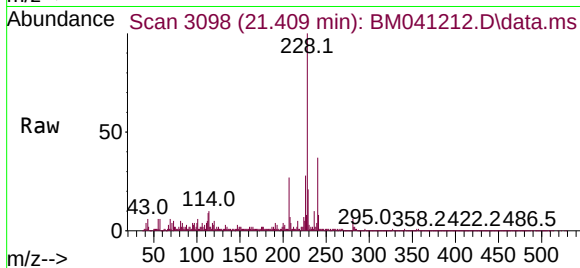
Tgt Ion:228 Resp: 368654

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

229 21.1 15.8 23.8



#83

Chrysene

Concen: 8.030 ng

RT: 21.462 min Scan# 3107

Delta R.T. -0.000 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

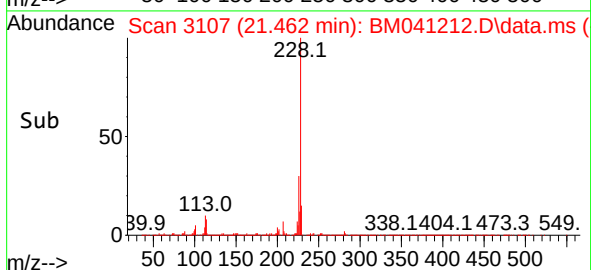
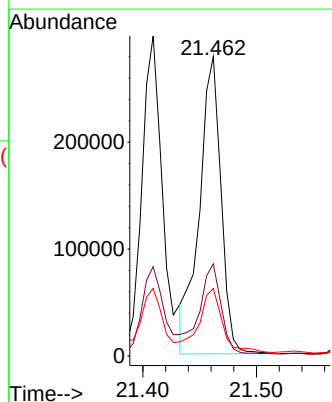
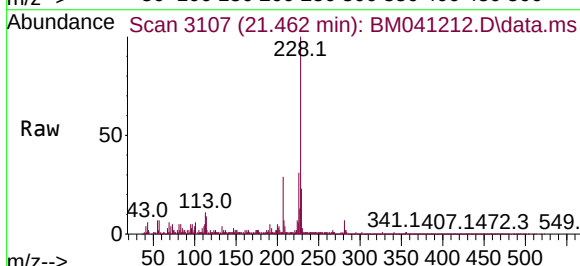
Tgt Ion:228 Resp: 369141

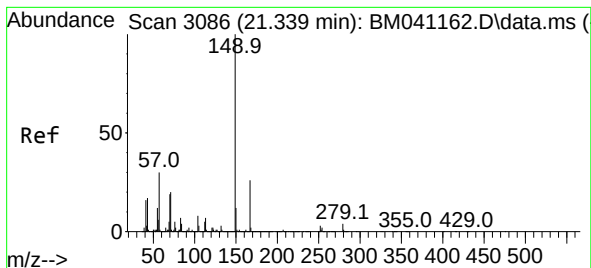
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 22.5 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.661 ng

RT: 21.327 min Scan# 3084

Delta R.T. -0.012 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

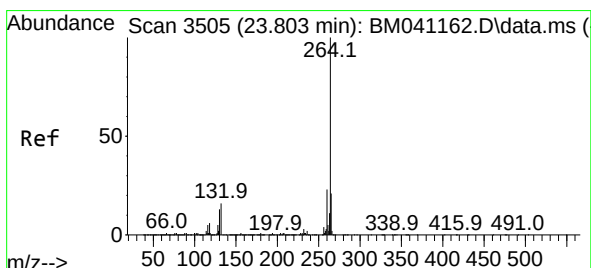
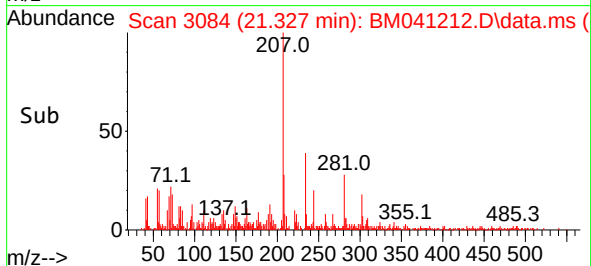
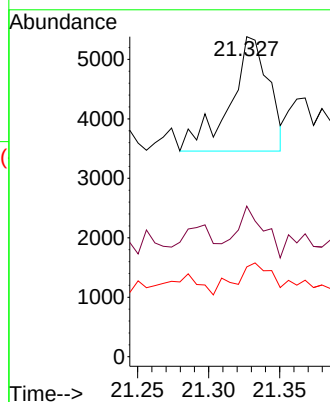
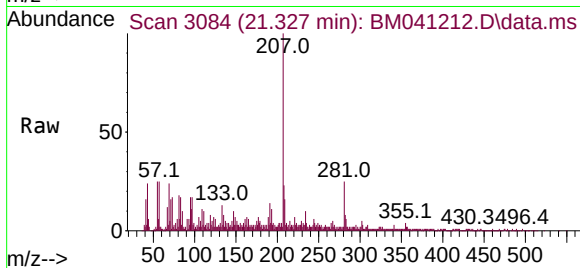
Tgt Ion:149 Resp: 3664

Ion Ratio Lower Upper

149 100

167 47.1 21.0 31.6#

279 28.1 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.791 min Scan# 3503

Delta R.T. -0.006 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

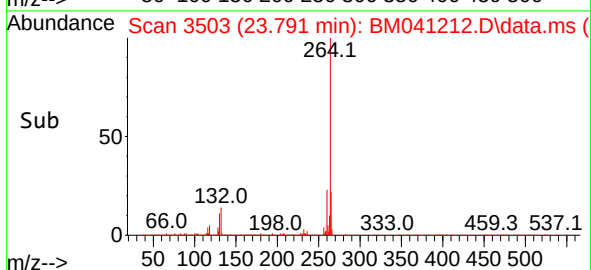
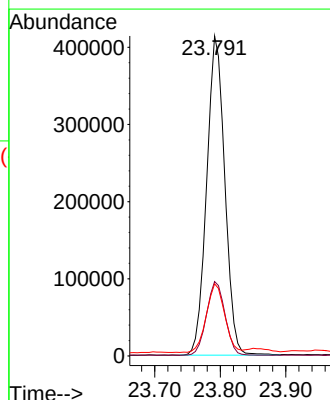
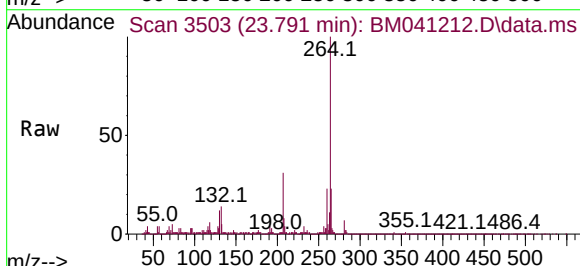
Tgt Ion:264 Resp: 796810

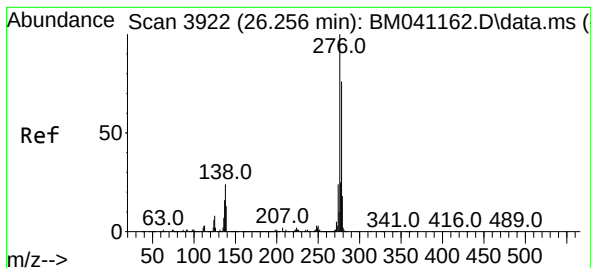
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 22.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.111 ng

RT: 26.232 min Scan# 3918

Delta R.T. -0.012 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

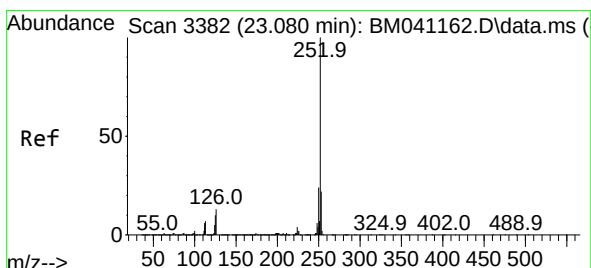
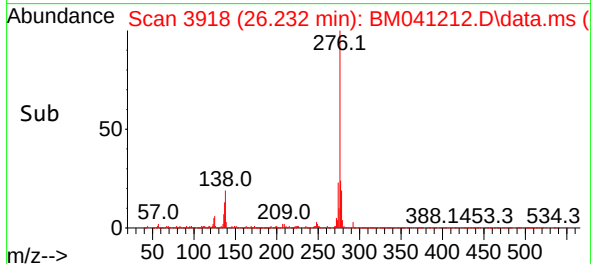
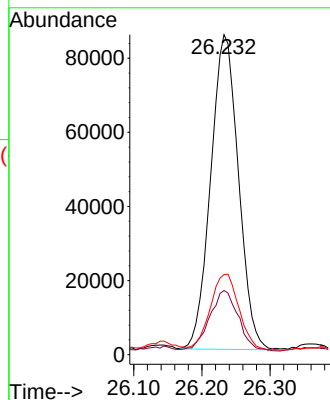
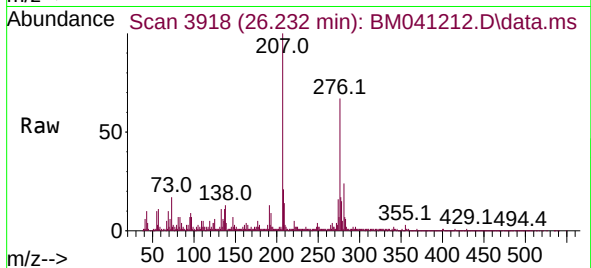
Tgt Ion:276 Resp: 240826

Ion Ratio Lower Upper

276 100

138 20.0 20.0 30.0

277 25.2 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 10.612 ng

RT: 23.074 min Scan# 3381

Delta R.T. -0.000 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

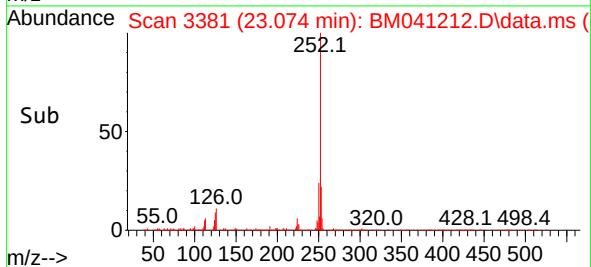
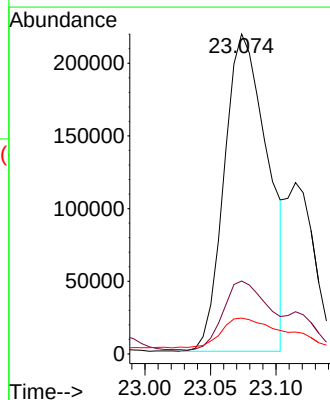
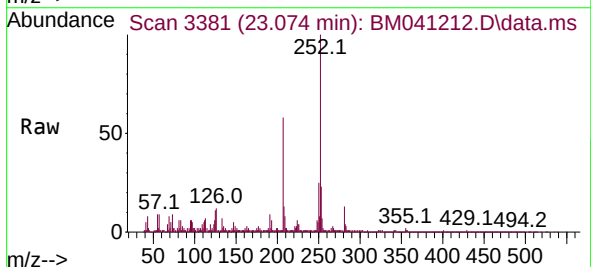
Tgt Ion:252 Resp: 502334

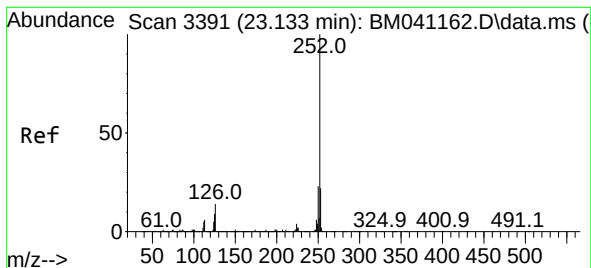
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.2 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 10.375 ng

RT: 23.074 min Scan# 31

Delta R.T. -0.047 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

Instrument :

BNA_M

ClientSampleId :

SB-08-(0.5-2.0)

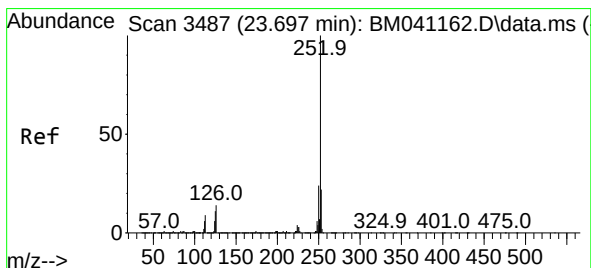
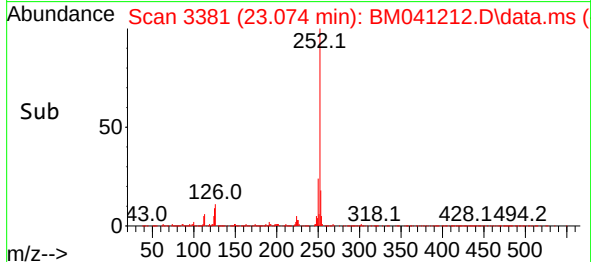
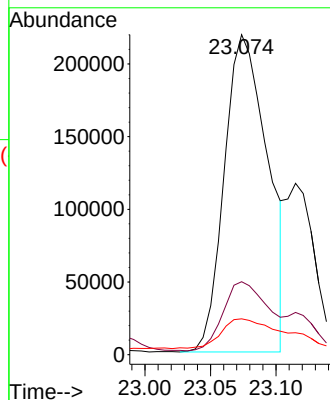
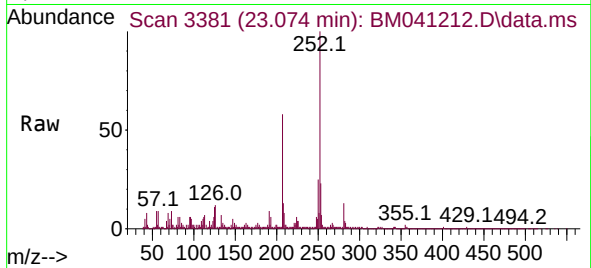
Tgt Ion:252 Resp: 502334

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 11.2 7.6 11.4



#90

Benzo(a)pyrene

Concen: 7.476 ng

RT: 23.685 min Scan# 3485

Delta R.T. -0.006 min

Lab File: BM041212.D

Acq: 01 Aug 2023 06:20

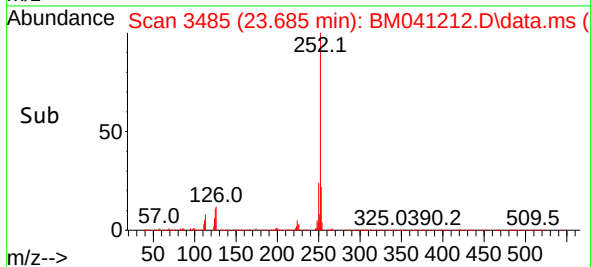
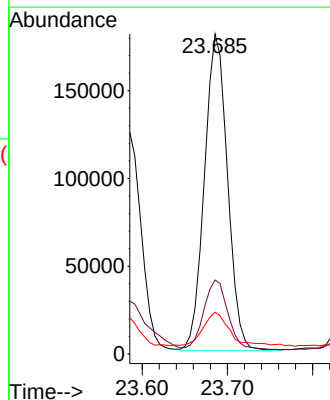
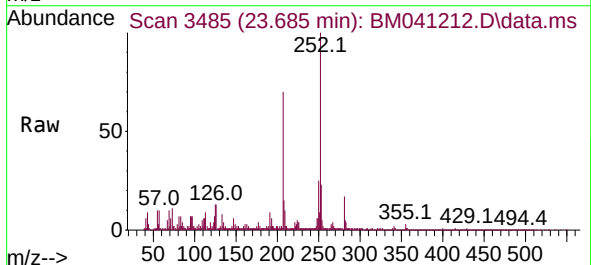
Tgt Ion:252 Resp: 340050

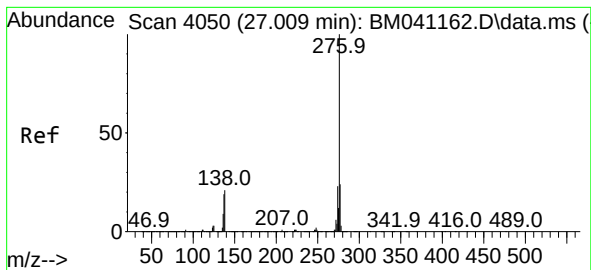
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

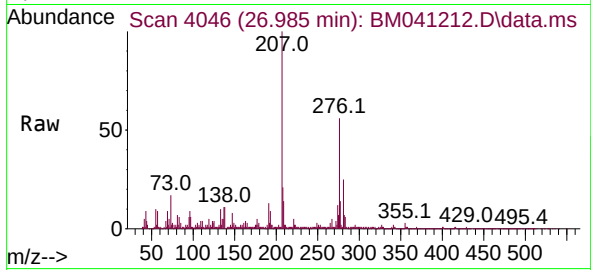
125 13.0 9.0 13.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.647 ng
 RT: 26.985 min Scan# 4046
 Delta R.T. -0.012 min
 Lab File: BM041212.D
 Acq: 01 Aug 2023 06:20

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-(0.5-2.0)



Tgt Ion:	276	Resp:	222194
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.1	28.7
138	19.8	17.1	25.7

