

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042702.D
 Acq On : 10 Nov 2023 21:35
 Operator : MA/JU
 Sample : 05256-05DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 23:06:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

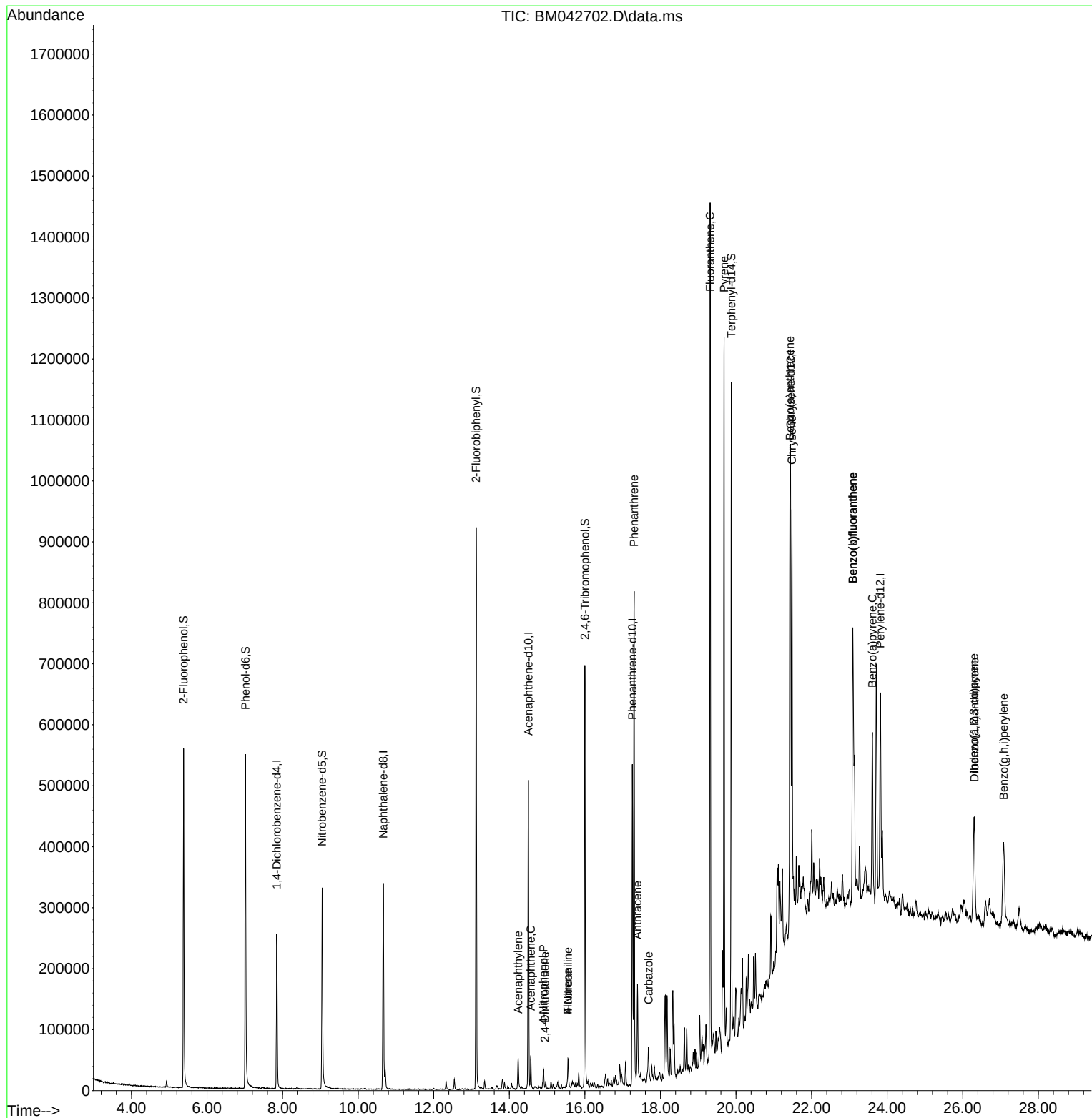
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	60970	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	243805	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	154510	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	288652	20.000	ng	0.00
76) Chrysene-d12	21.445	240	250673	20.000	ng	# 0.00
86) Perylene-d12	23.821	264	272571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	191279	50.632	ng	0.00
7) Phenol-d6	7.016	99	258511	49.894	ng	0.00
23) Nitrobenzene-d5	9.045	82	187045	35.764	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	108822	53.945	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	414052	36.059	ng	0.00
79) Terphenyl-d14	19.874	244	468003	31.657	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.233	152	39616	2.761	ng	97
52) Acenaphthene	14.569	154	17732	2.036	ng	96
56) 4-Nitrophenol	14.904	139	7942	10.307	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	61	3.987	ng	# 44
58) Fluorene	15.551	166	22944	2.003	ng	96
62) 4-Nitroaniline	15.557	138	76	5.767	ng	# 12
71) Phenanthrene	17.304	178	454741	30.146	ng	99
72) Anthracene	17.392	178	96780	6.477	ng	99
73) Carbazole	17.686	167	30280	2.491	ng	98
75) Fluoranthene	19.315	202	772294	43.584	ng	98
78) Pyrene	19.686	202	710035	41.250	ng	99
81) Benzo(a)anthracene	21.427	228	348105	21.826	ng	98
83) Chrysene	21.480	228	326661	20.163	ng	97
87) Indeno(1,2,3-cd)pyrene	26.297	276	197570	12.179	ng	# 88
88) Benzo(b)fluoranthene	23.092	252	407861	26.859	ng	97
89) Benzo(k)fluoranthene	23.092	252	407861	24.103	ng	# 97
90) Benzo(a)pyrene	23.609	252	198380	13.269	ng	98
91) Dibenzo(a,h)anthracene	26.309	278	48141	7.075	ng	# 78
92) Benzo(g,h,i)perylene	27.085	276	192935	13.494	ng	# 93

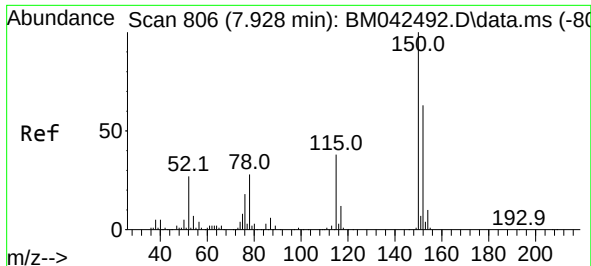
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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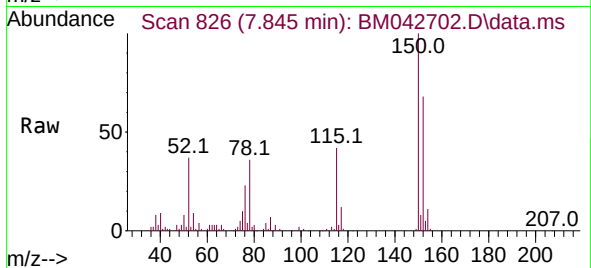
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration



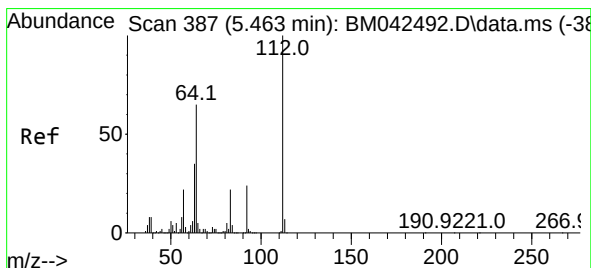
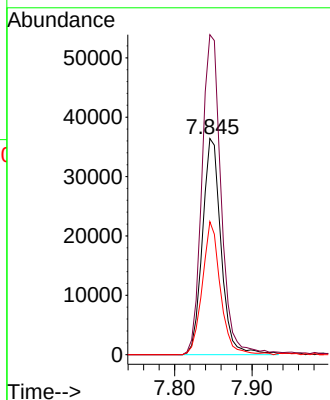
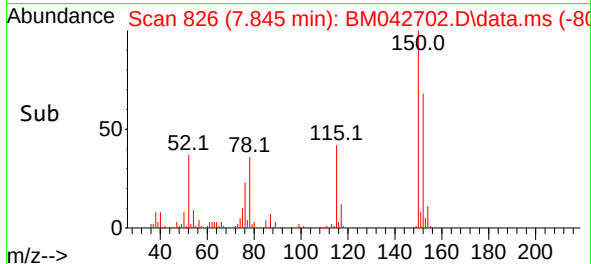


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

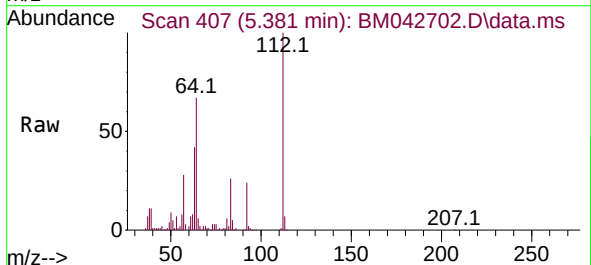
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BNA_M
ClientSampleId :



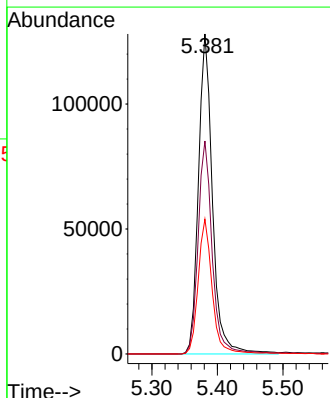
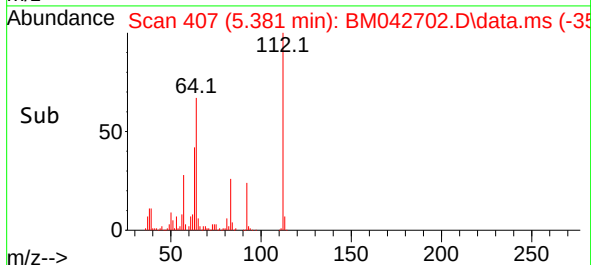
Tgt Ion:152 Resp: 60970
Ion Ratio Lower Upper
152 100
150 148.1 127.4 191.0
115 61.5 47.9 71.9

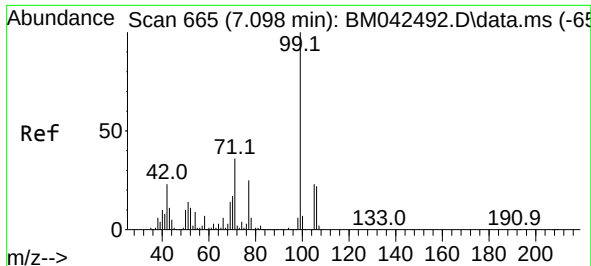


#5
2-Fluorophenol
Concen: 50.632 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35



Tgt Ion:112 Resp: 191279
Ion Ratio Lower Upper
112 100
64 66.6 52.1 78.1
63 42.1 28.3 42.5

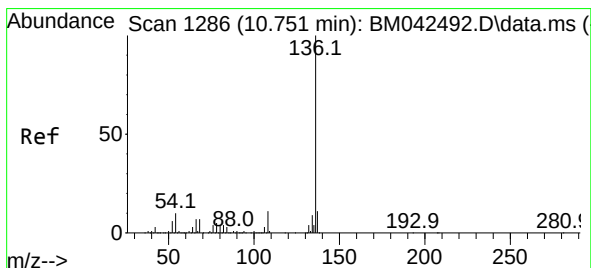
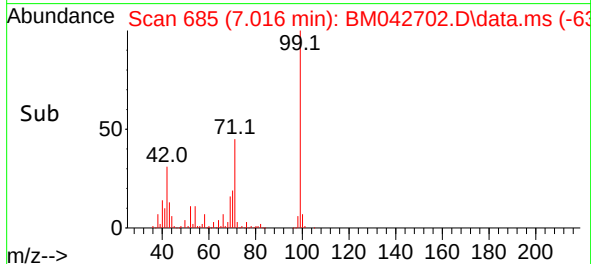
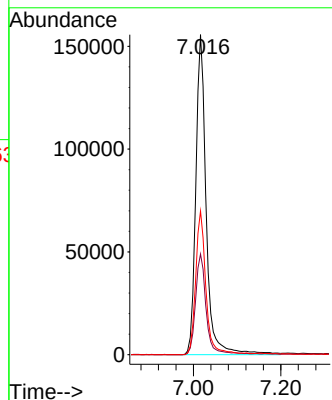
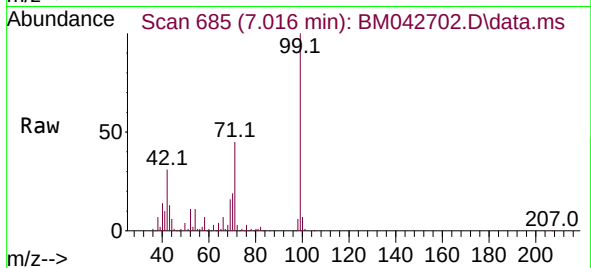




#7
Phenol-d6
Concen: 49.894 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

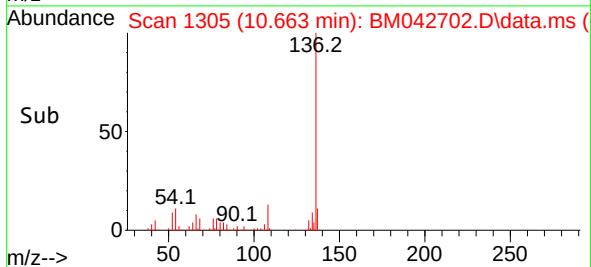
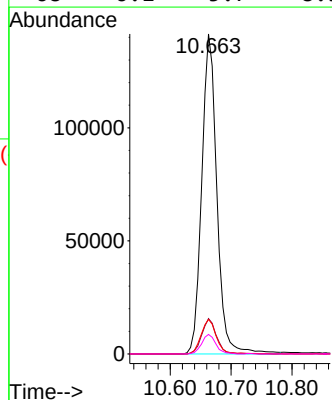
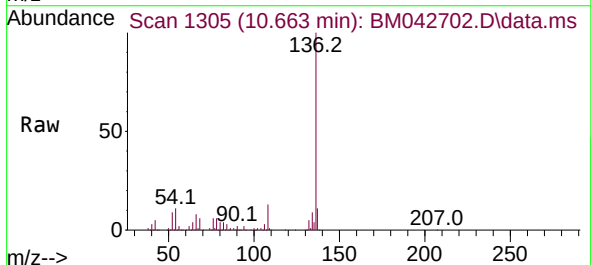
Instrument :
BNA_M
ClientSampleId :

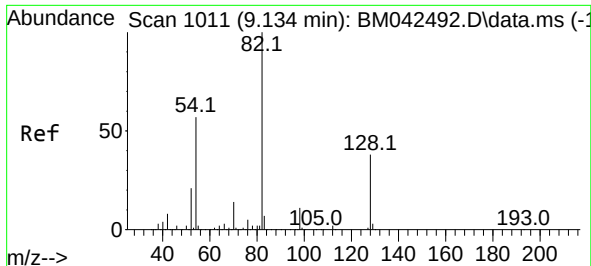
Tgt Ion: 99 Resp: 258511
Ion Ratio Lower Upper
99 100
42 31.4 18.7 28.1#
71 44.9 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

Tgt Ion:136 Resp: 243805
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.8 8.0 12.0
68 6.1 5.7 8.5

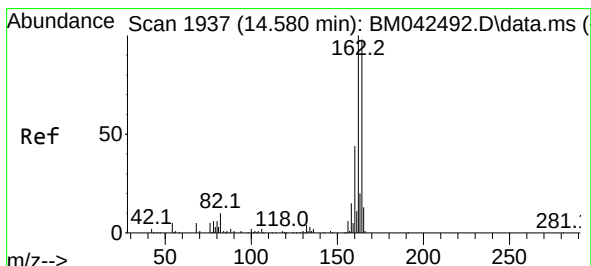
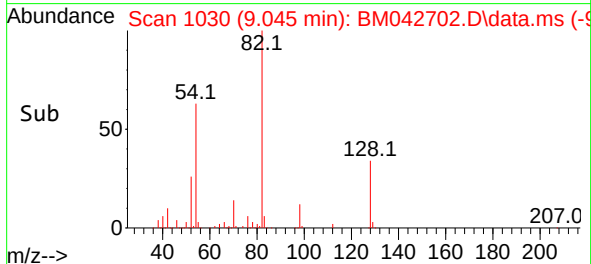
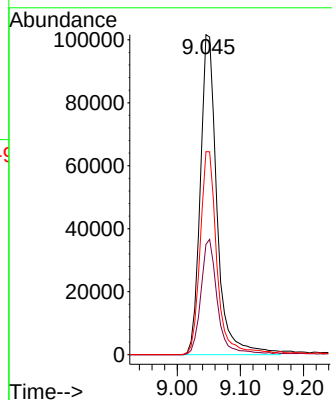
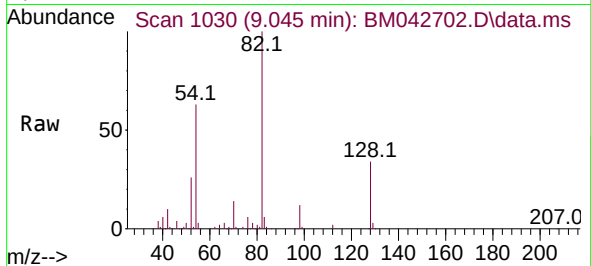




#23
Nitrobenzene-d5
Concen: 35.764 ng
RT: 9.045 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

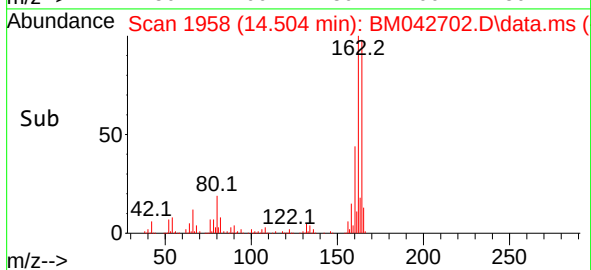
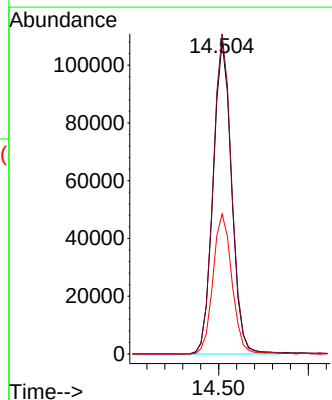
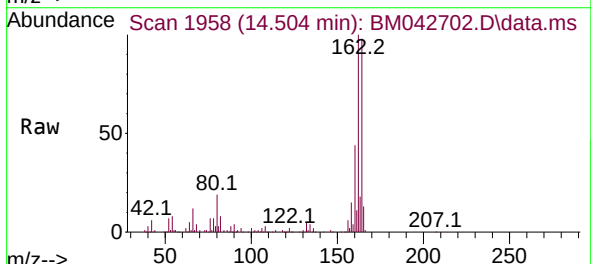
Instrument :
BNA_M
ClientSampleId :

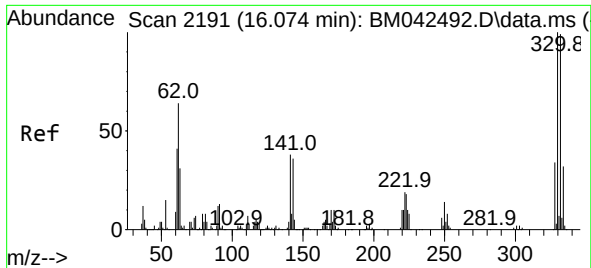
Tgt Ion: 82 Resp: 187045
Ion Ratio Lower Upper
82 100
128 34.4 30.7 46.1
54 63.5 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

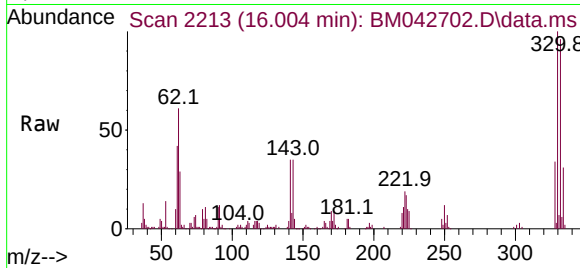
Tgt Ion:164 Resp: 154510
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 44.8 36.2 54.4



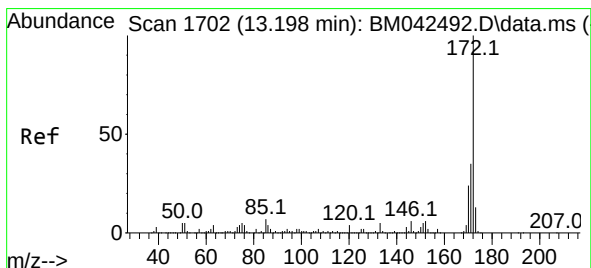
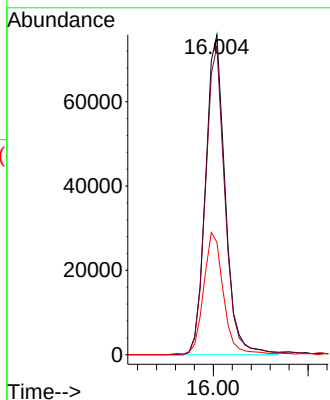
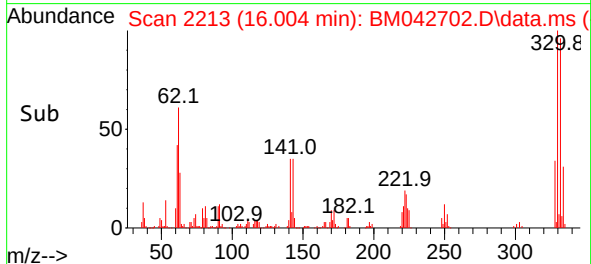


#42
2,4,6-Tribromophenol
Concen: 53.945 ng
RT: 16.004 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

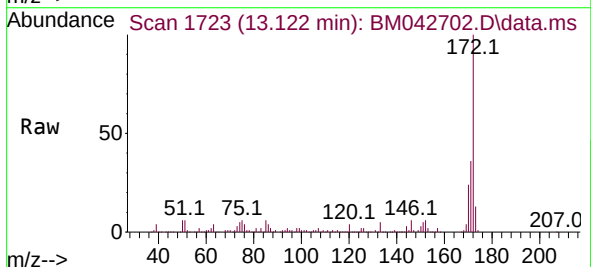
Instrument :
BNA_M
ClientSampleId :



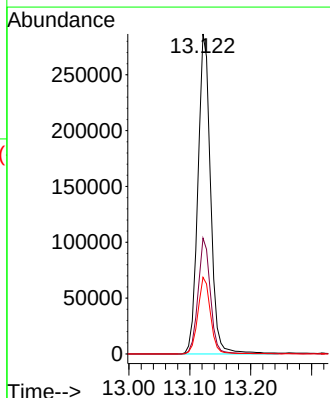
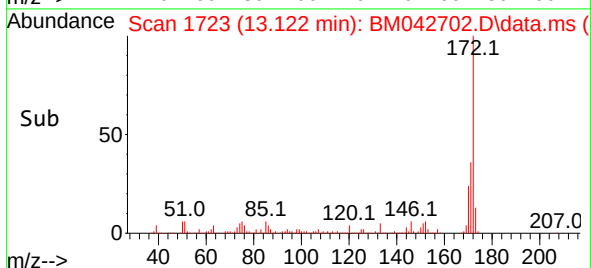
Tgt Ion:330 Resp: 108822
Ion Ratio Lower Upper
330 100
332 96.4 78.8 118.2
141 38.9 31.1 46.7

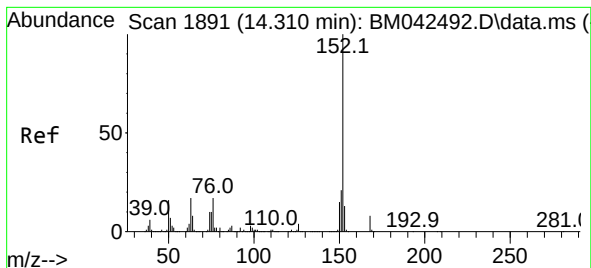


#45
2-Fluorobiphenyl
Concen: 36.059 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35



Tgt Ion:172 Resp: 414052
Ion Ratio Lower Upper
172 100
171 36.2 28.2 42.2
170 23.9 19.0 28.4





#49

Acenaphthylene

Concen: 2.761 ng

RT: 14.233 min Scan# 1912

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

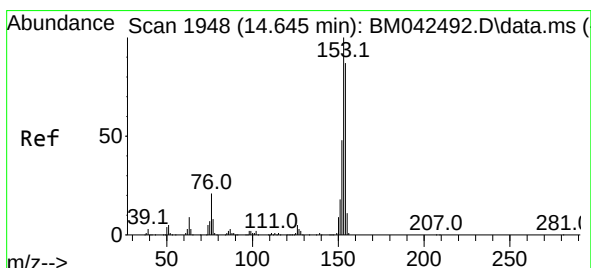
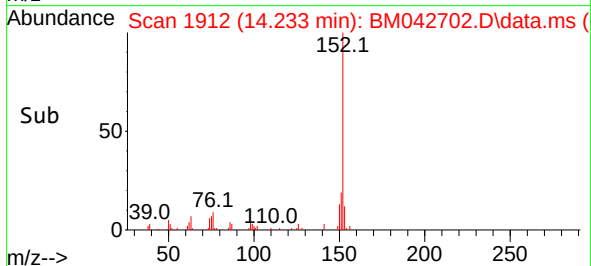
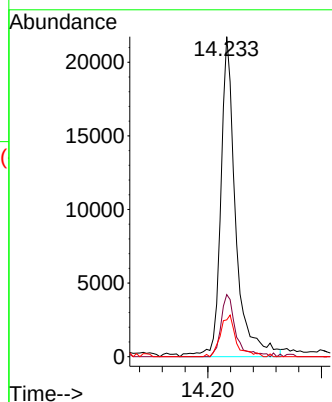
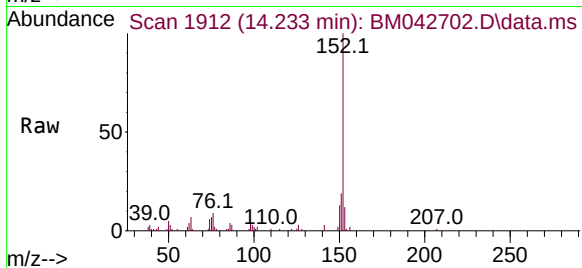
Tgt Ion:152 Resp: 39616

Ion Ratio Lower Upper

152 100

151 19.4 16.4 24.6

153 11.5 10.4 15.6



#52

Acenaphthene

Concen: 2.036 ng

RT: 14.569 min Scan# 1969

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

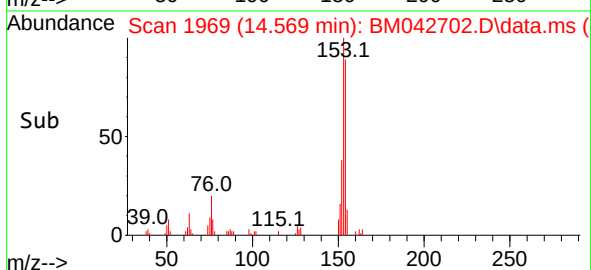
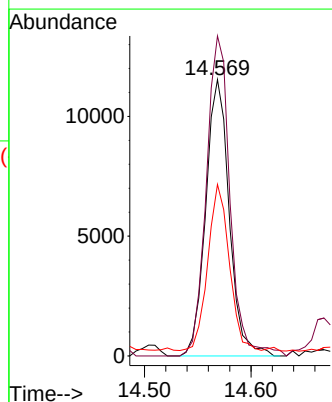
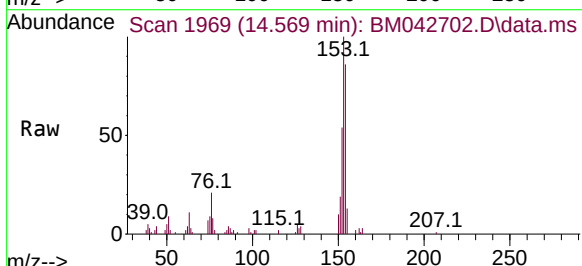
Tgt Ion:154 Resp: 17732

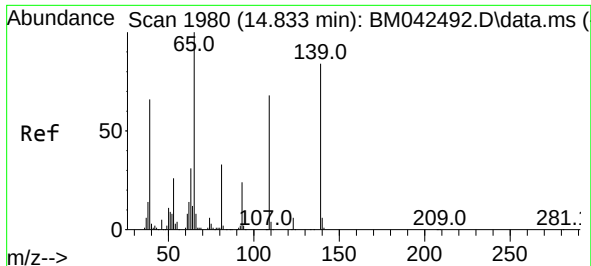
Ion Ratio Lower Upper

154 100

153 115.8 92.0 138.0

152 62.1 44.0 66.0

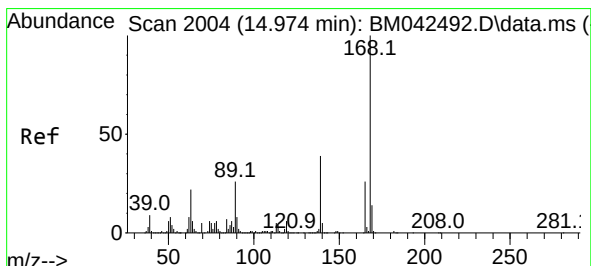
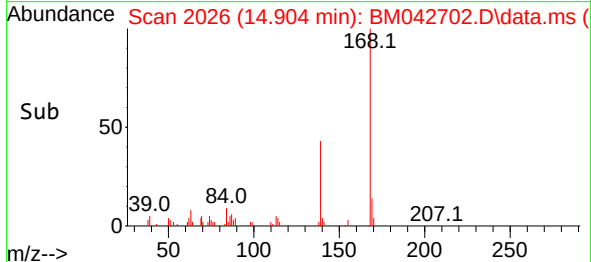
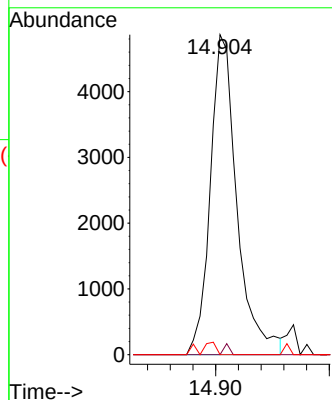
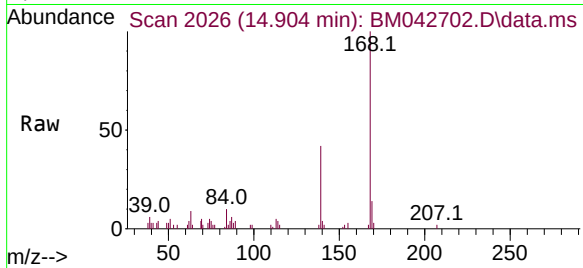




#56
4-Nitrophenol
Concen: 10.307 ng
RT: 14.904 min Scan# 2026
Delta R.T. 0.147 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

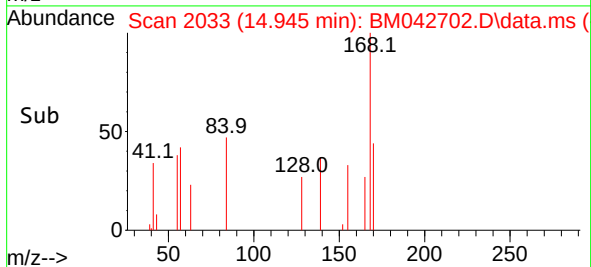
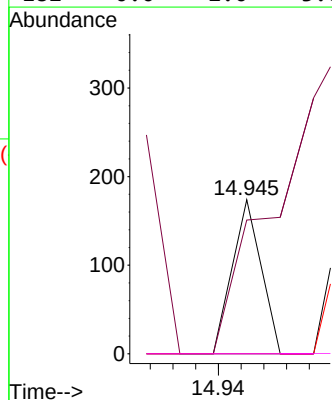
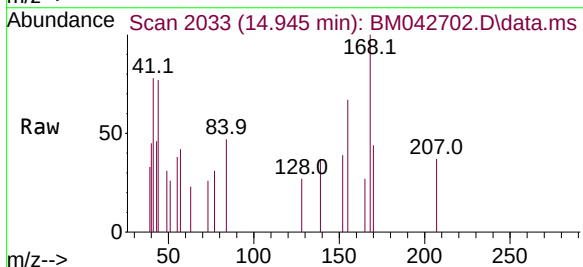
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BNA_M
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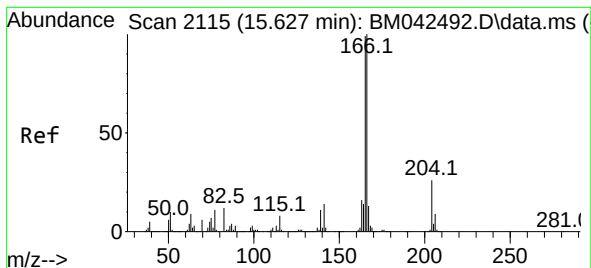
Tgt Ion:139 Resp: 7942
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 3.987 ng
RT: 14.945 min Scan# 2033
Delta R.T. 0.035 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

Tgt Ion:165 Resp: 61
Ion Ratio Lower Upper
165 100
63 86.8 66.7 100.1
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.003 ng

RT: 15.551 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

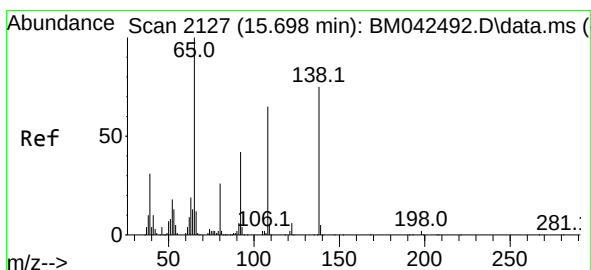
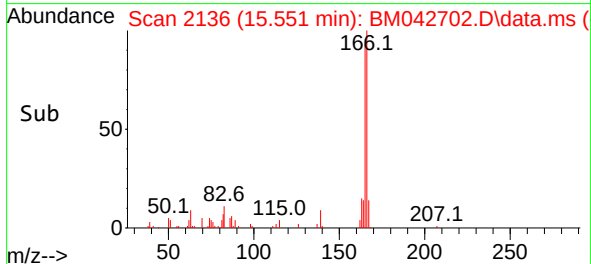
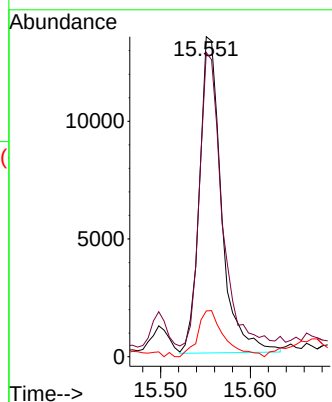
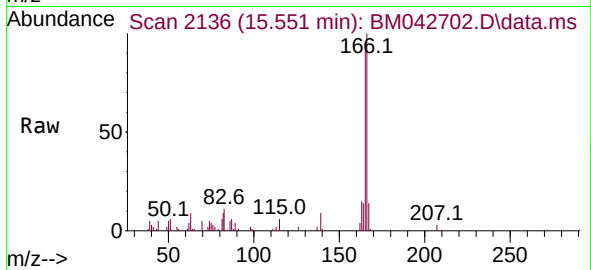
Tgt Ion:166 Resp: 22944

Ion Ratio Lower Upper

166 100

165 95.1 79.3 118.9

167 14.3 10.5 15.7



#62

4-Nitroaniline

Concen: 5.767 ng

RT: 15.557 min Scan# 2137

Delta R.T. -0.071 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

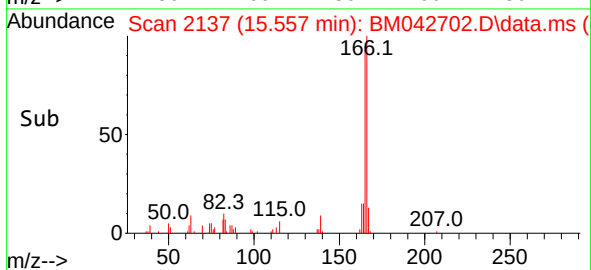
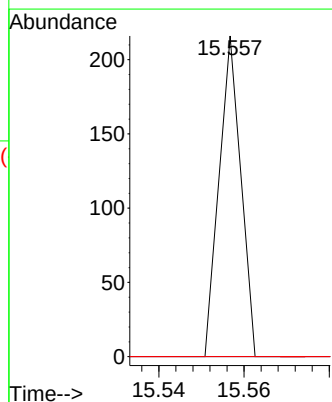
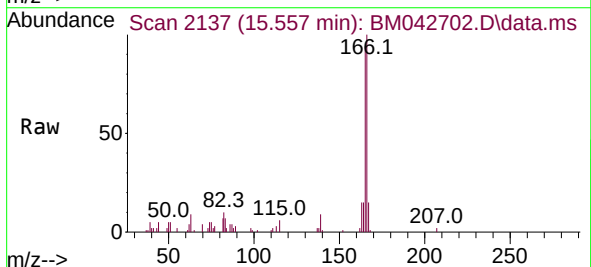
Tgt Ion:138 Resp: 76

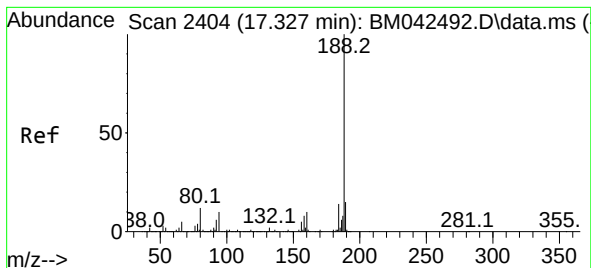
Ion Ratio Lower Upper

138 100

92 0.0 37.0 77.0#

108 0.0 67.2 107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

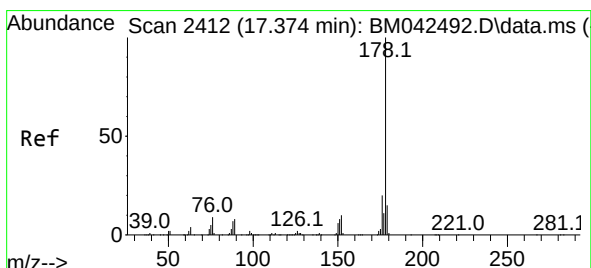
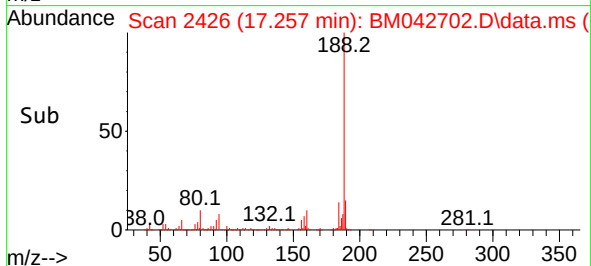
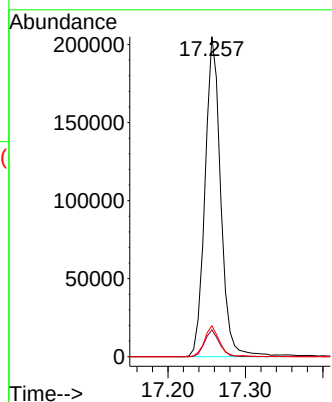
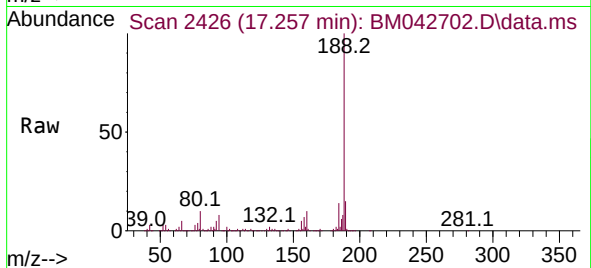
Tgt Ion:188 Resp: 288652

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.4

80 9.6 9.4 14.2



#71

Phenanthrene

Concen: 30.146 ng

RT: 17.304 min Scan# 2434

Delta R.T. 0.006 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

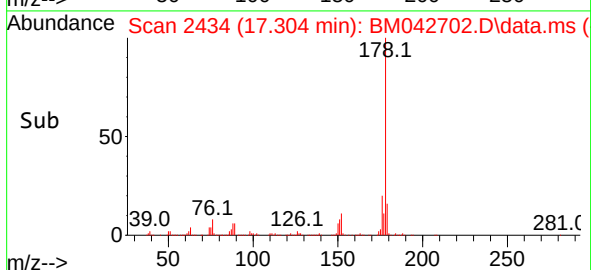
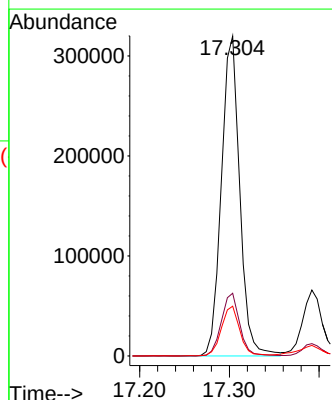
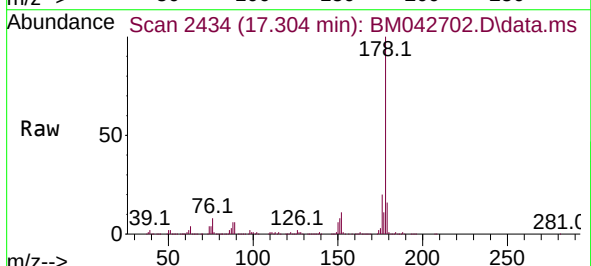
Tgt Ion:178 Resp: 454741

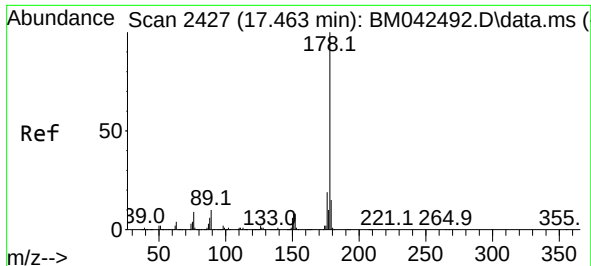
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 15.6 12.2 18.4

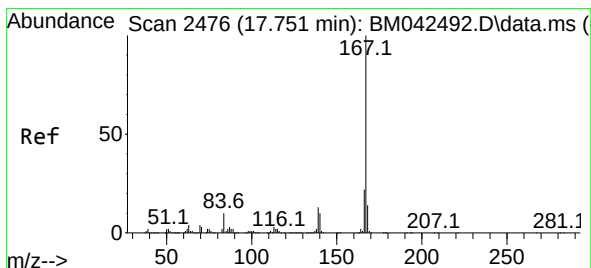
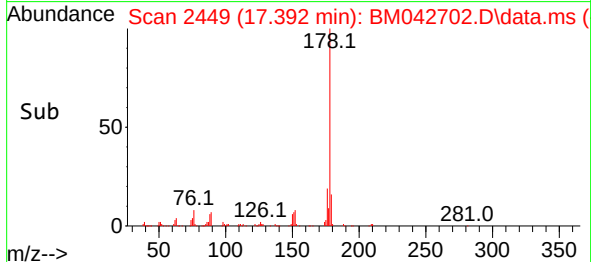
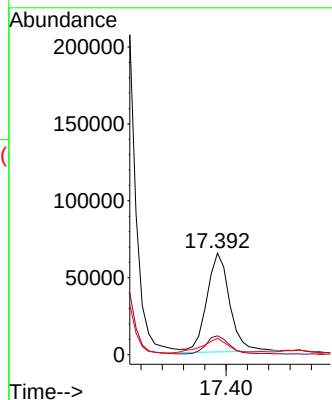
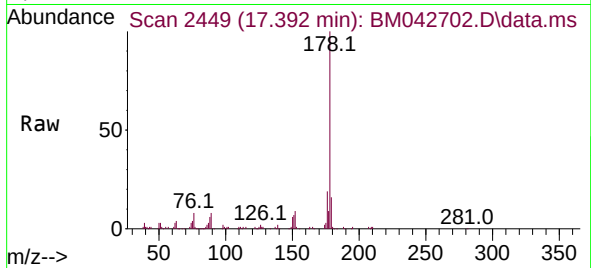




#72
 Anthracene
 Concen: 6.477 ng
 RT: 17.392 min Scan# 2427
 Delta R.T. 0.000 min
 Lab File: BM042702.D
 Acq: 10 Nov 2023 21:35

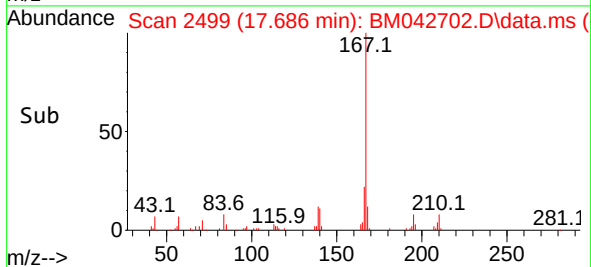
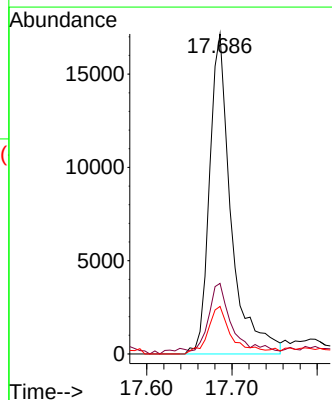
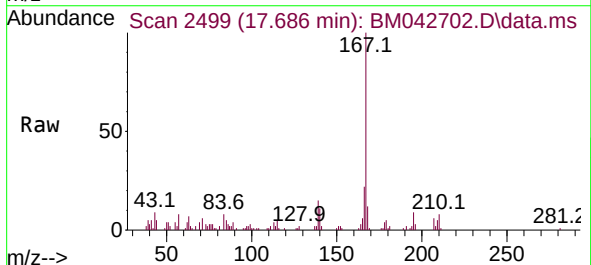
Instrument :
 BNA_M
 ClientSampleId :

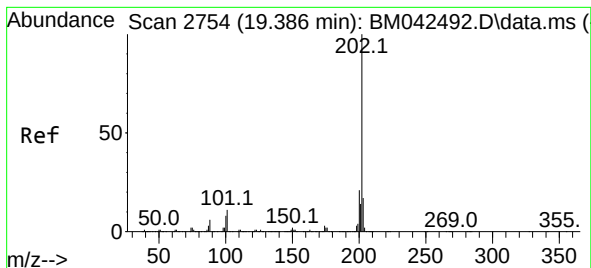
Tgt Ion:178 Resp: 96780
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 16.1 12.3 18.5



#73
 Carbazole
 Concen: 2.491 ng
 RT: 17.686 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BM042702.D
 Acq: 10 Nov 2023 21:35

Tgt Ion:167 Resp: 30280
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 14.8 10.5 15.7





#75

Fluoranthene

Concen: 43.584 ng

RT: 19.315 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

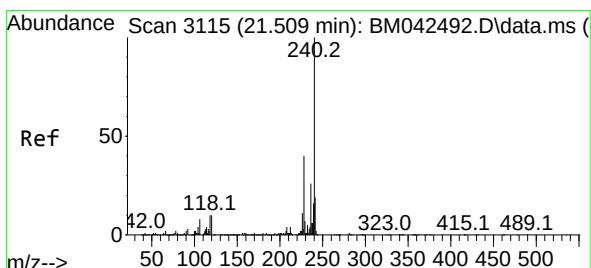
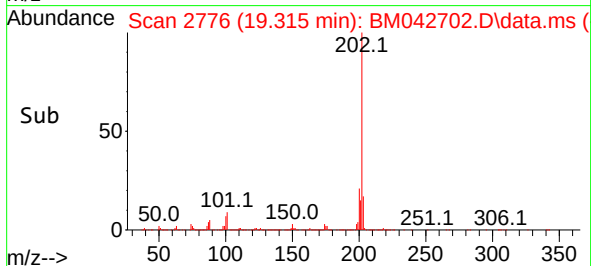
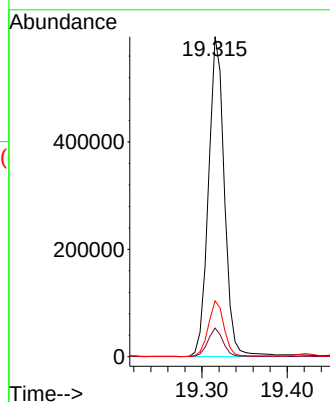
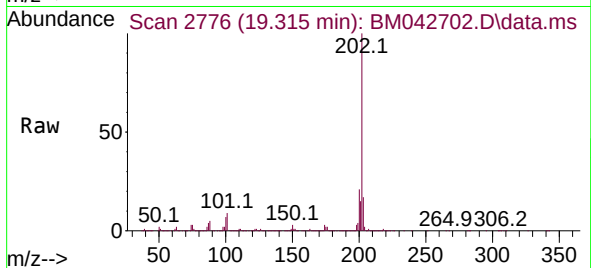
Tgt Ion:202 Resp: 772294

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.5

203 17.4 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3138

Delta R.T. 0.006 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

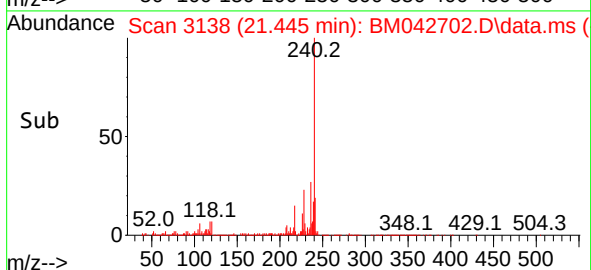
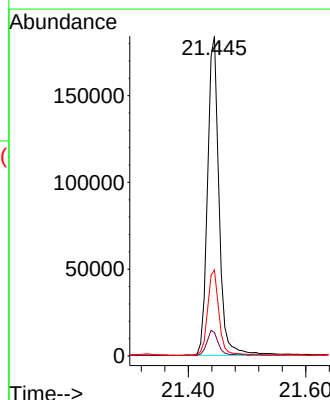
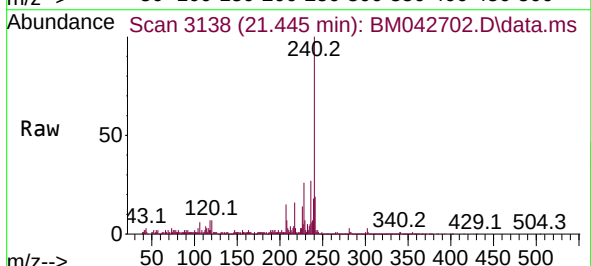
Tgt Ion:240 Resp: 250673

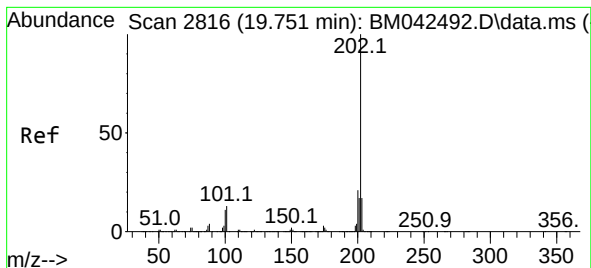
Ion Ratio Lower Upper

240 100

120 7.4 8.3 12.5#

236 26.9 20.8 31.2





#78

Pyrene

Concen: 41.250 ng

RT: 19.686 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

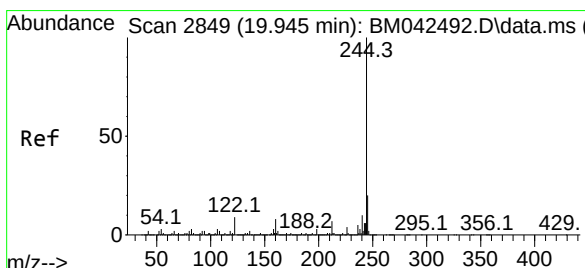
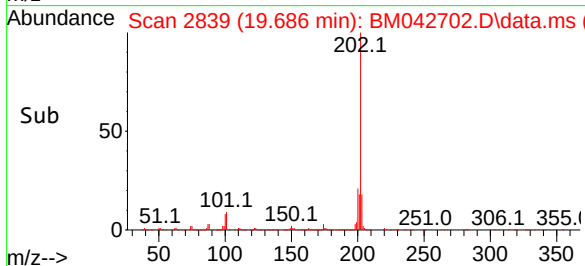
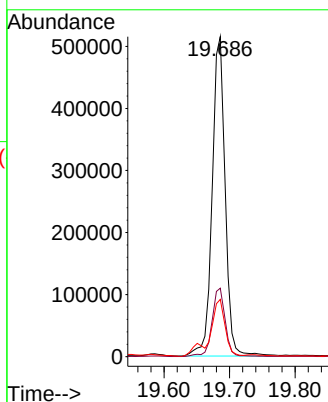
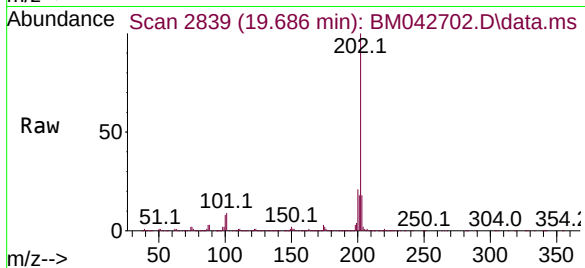
Tgt Ion:202 Resp: 710035

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.9 13.7 20.5



#79

Terphenyl-d14

Concen: 31.657 ng

RT: 19.874 min Scan# 2871

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

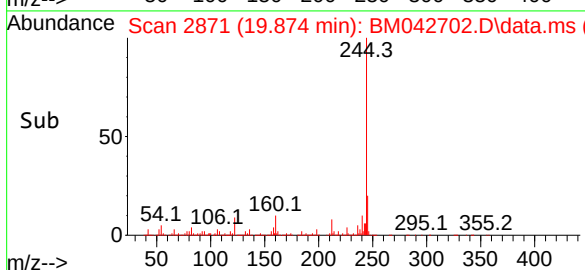
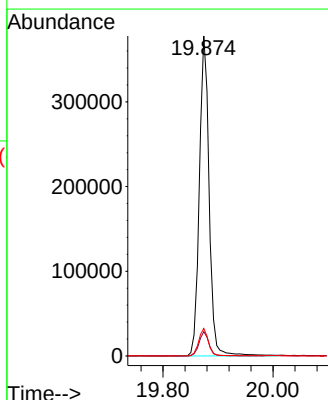
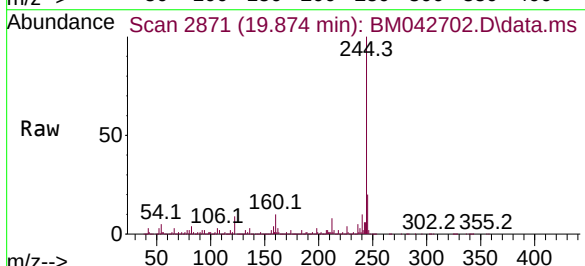
Tgt Ion:244 Resp: 468003

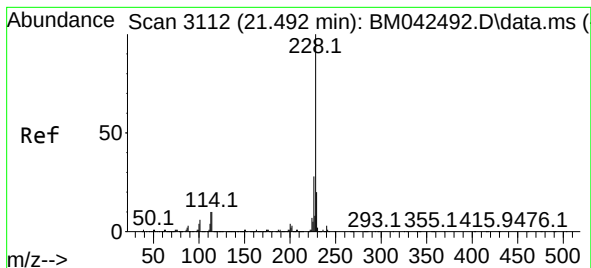
Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.2

122 8.6 7.2 10.8





#81

Benzo(a)anthracene

Concen: 21.826 ng

RT: 21.427 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

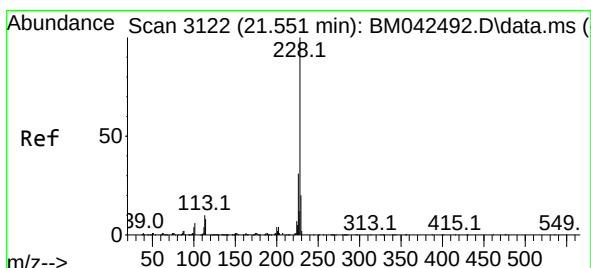
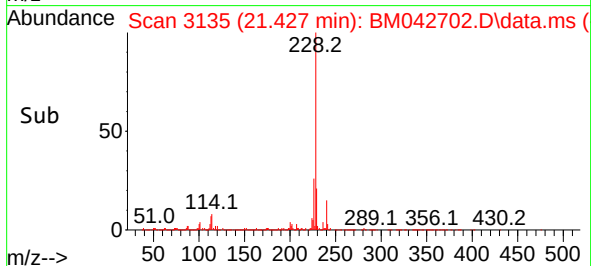
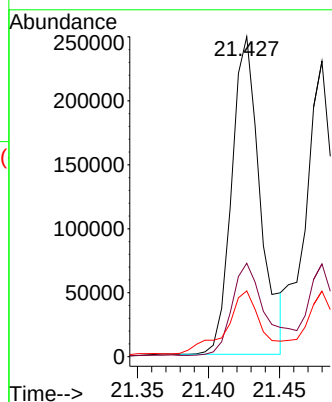
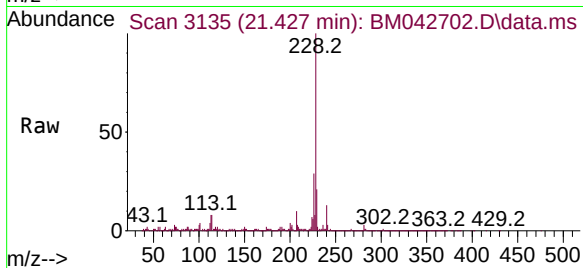
Tgt Ion:228 Resp: 348105

Ion Ratio Lower Upper

228 100

226 29.2 22.3 33.5

229 20.5 15.8 23.8



#83

Chrysene

Concen: 20.163 ng

RT: 21.480 min Scan# 3144

Delta R.T. 0.000 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

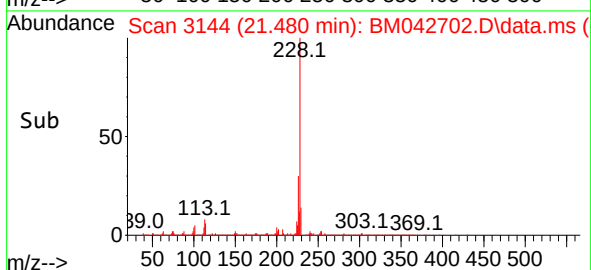
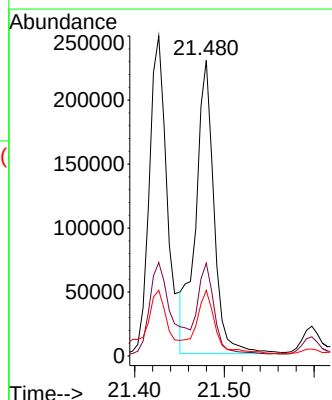
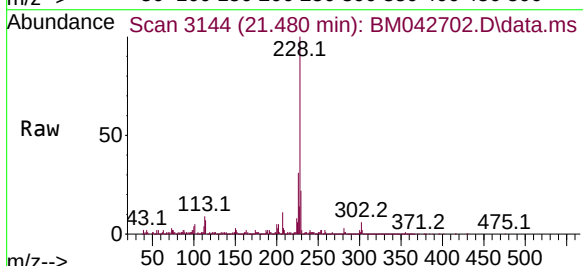
Tgt Ion:228 Resp: 326661

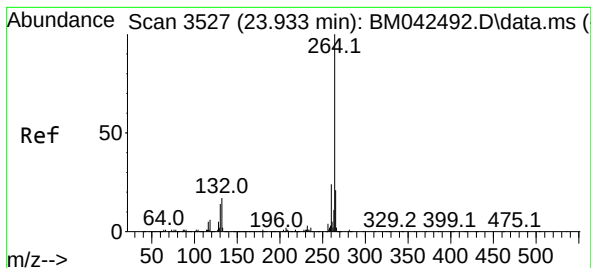
Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

Instrument :

BNA_M

ClientSampleId :

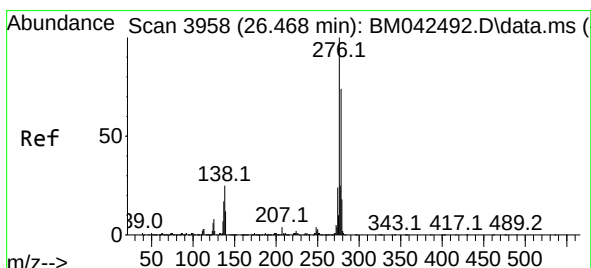
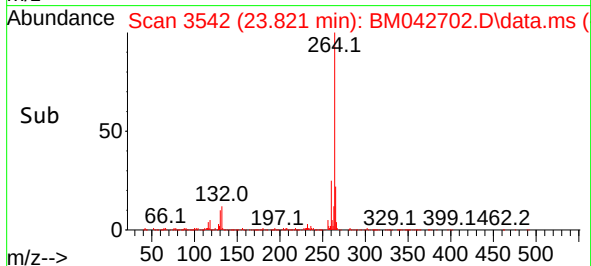
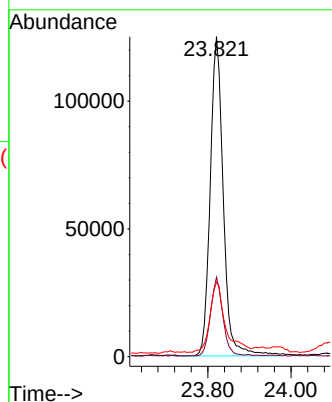
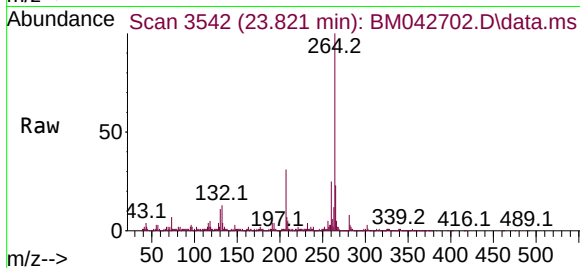
Tgt Ion:264 Resp: 272571

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.4

265 23.4 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.179 ng

RT: 26.297 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM042702.D

Acq: 10 Nov 2023 21:35

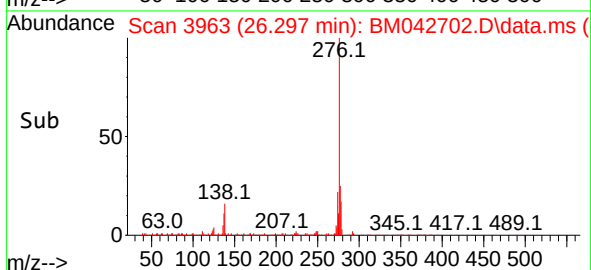
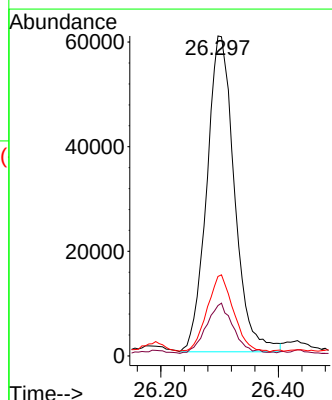
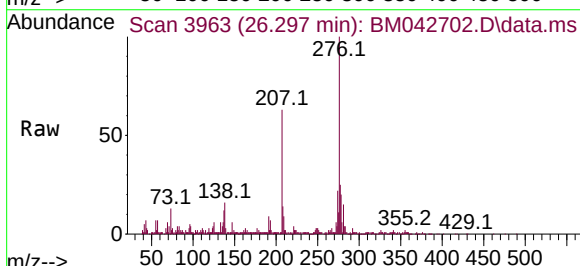
Tgt Ion:276 Resp: 197570

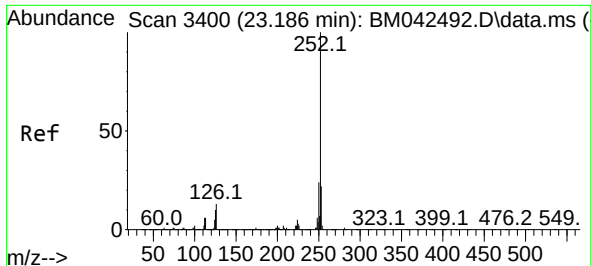
Ion Ratio Lower Upper

276 100

138 15.4 20.6 31.0#

277 23.2 19.5 29.3

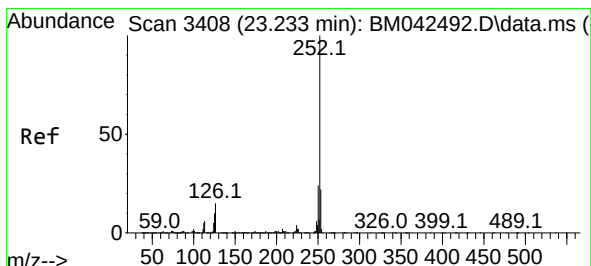
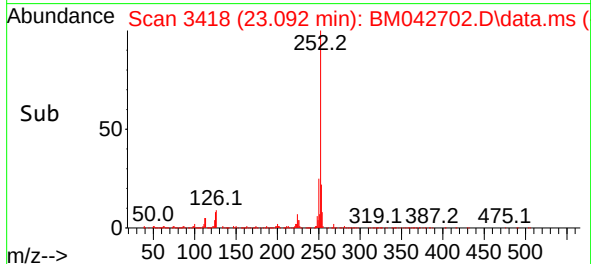
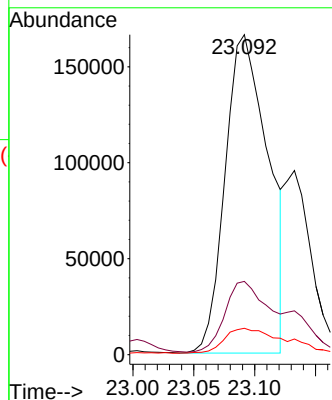
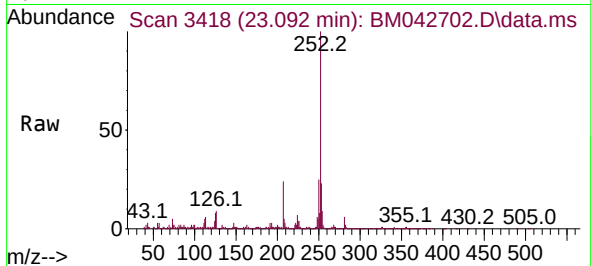




#88
Benzo(b)fluoranthene
Concen: 26.859 ng
RT: 23.092 min Scan# 3418
Delta R.T. 0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

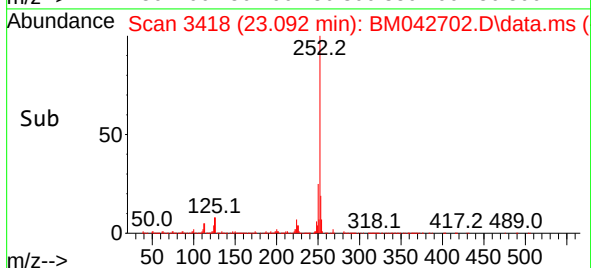
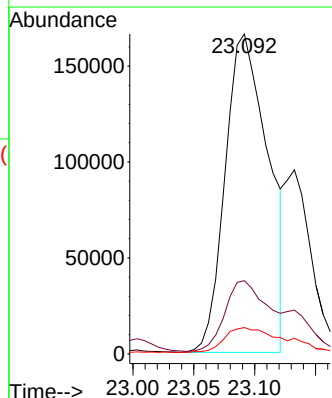
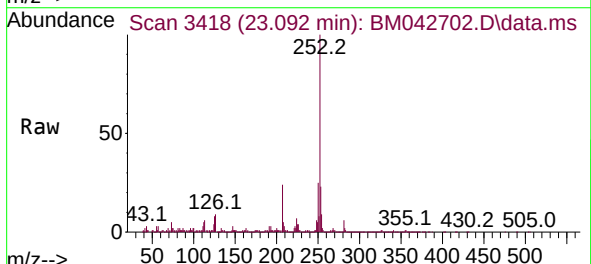
Instrument :
BNA_M
ClientSampleId :

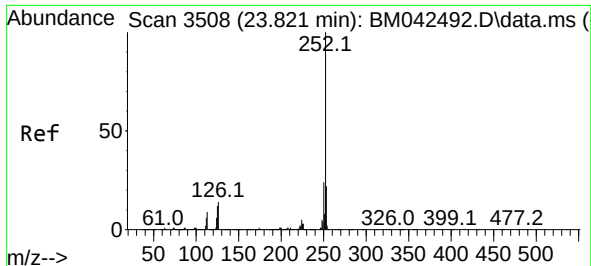
Tgt Ion:252 Resp: 407861
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 8.2 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 24.103 ng
RT: 23.092 min Scan# 3418
Delta R.T. -0.047 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

Tgt Ion:252 Resp: 407861
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.2 8.2 12.4#

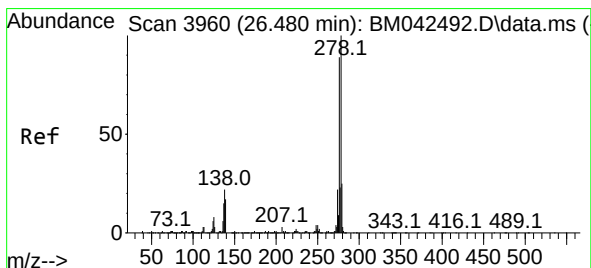
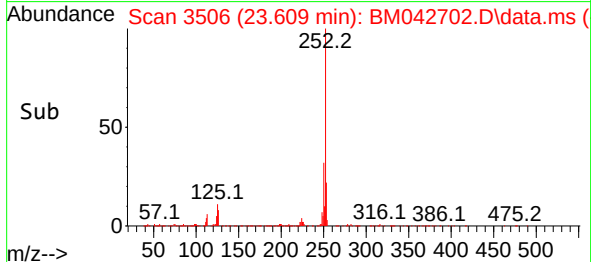
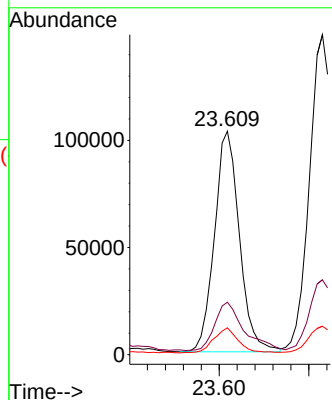
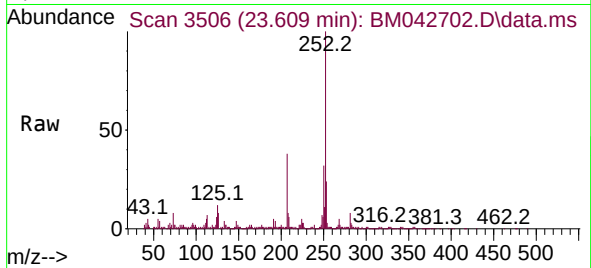




#90
Benzo(a)pyrene
Concen: 13.269 ng
RT: 23.609 min Scan# 31
Delta R.T. -0.106 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

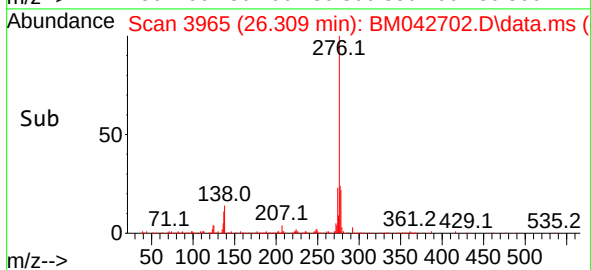
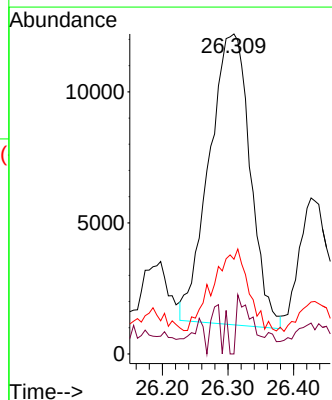
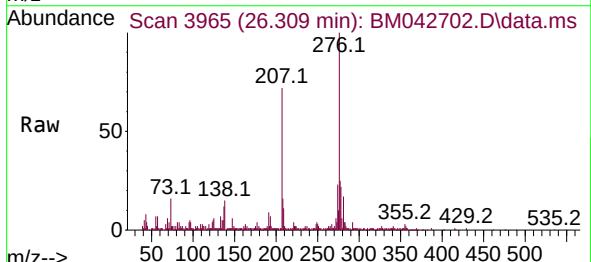
Instrument :
BNA_M
ClientSampleId :

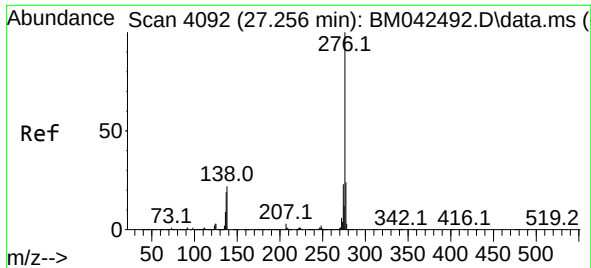
Tgt Ion:252 Resp: 198380
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 12.0 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 7.075 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BM042702.D
Acq: 10 Nov 2023 21:35

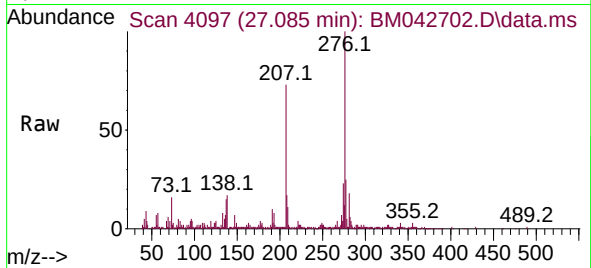
Tgt Ion:278 Resp: 48141
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.2#
279 29.6 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 13.494 ng
 RT: 27.085 min Scan# 4097
 Delta R.T. 0.006 min
 Lab File: BM042702.D
 Acq: 10 Nov 2023 21:35

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	276	Resp:	192935
Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	16.6	17.3	25.9

