

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
 Data File : BM042503.D
 Acq On : 30 Oct 2023 20:43
 Operator : MA/JU
 Sample : 05011-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027DL

Quant Time: Oct 31 03:46:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

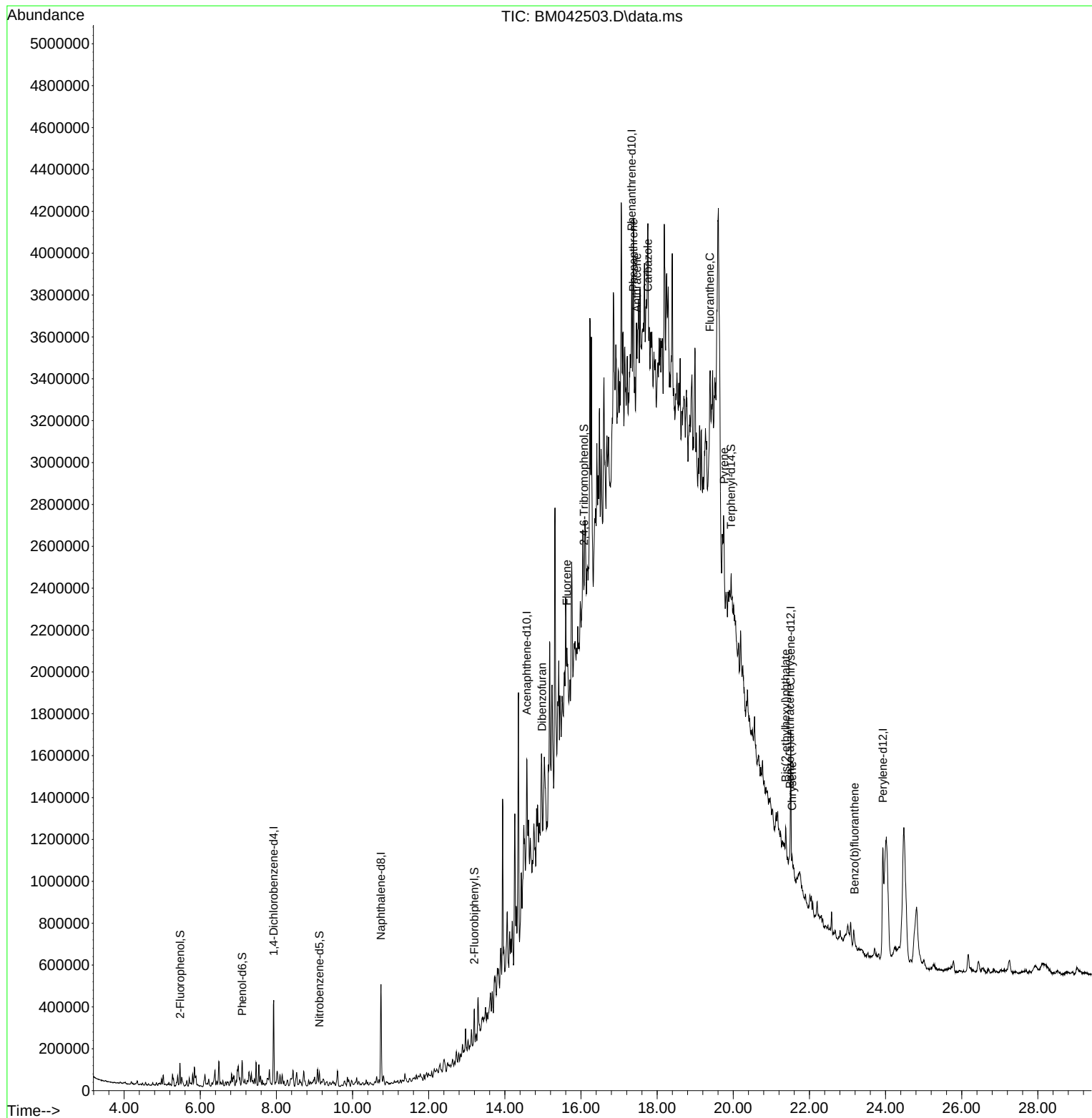
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	94486	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	348584	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	196005	20.000	ng	0.00
64) Phenanthrene-d10	17.333	188	337501	20.000	ng	# 0.00
76) Chrysene-d12	21.509	240	277856	20.000	ng	0.00
86) Perylene-d12	23.927	264	347497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	44435	7.590	ng	0.00
7) Phenol-d6	7.098	99	53728	6.691	ng	0.00
23) Nitrobenzene-d5	9.128	82	35648	4.767	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	16241	6.347	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	74988	5.148	ng	0.00
79) Terphenyl-d14	19.945	244	78333	4.780	ng	0.00
Target Compounds						
						Qvalue
55) Dibenzofuran	14.974	168	51659	2.876	ng	# 82
58) Fluorene	15.627	166	53599	3.688	ng	# 80
71) Phenanthrene	17.374	178	504211	28.587	ng	# 96
72) Anthracene	17.468	178	72149	4.130	ng	# 73
73) Carbazole	17.757	167	43218	3.041	ng	# 29
75) Fluoranthene	19.386	202	224039	10.814	ng	93
78) Pyrene	19.756	202	150613	7.894	ng	# 91
81) Benzo(a)anthracene	21.492	228	40924	2.315	ng	# 90
83) Chrysene	21.545	228	50176	2.794	ng	# 92
84) Bis(2-ethylhexyl)phtha...	21.374	149	42084	3.417	ng	# 92
88) Benzo(b)fluoranthene	23.186	252	44824	2.315	ng	# 80

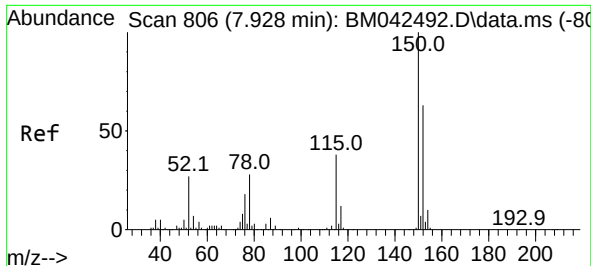
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
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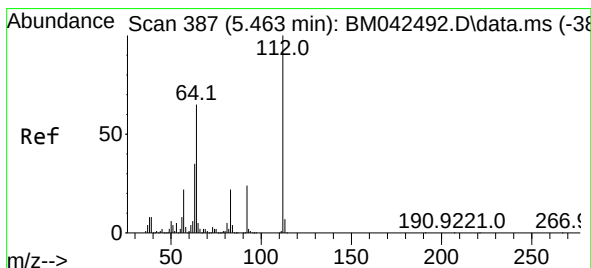
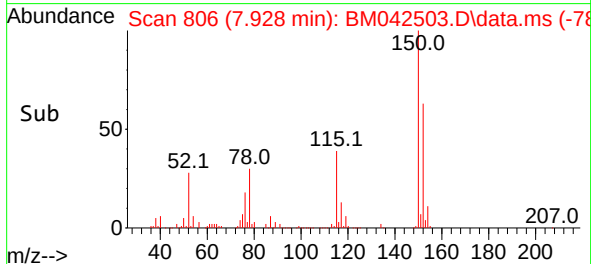
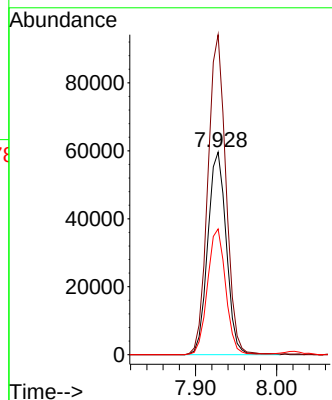
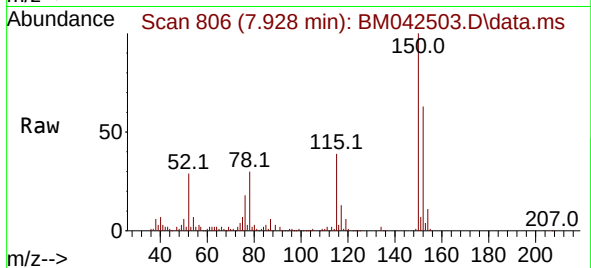




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

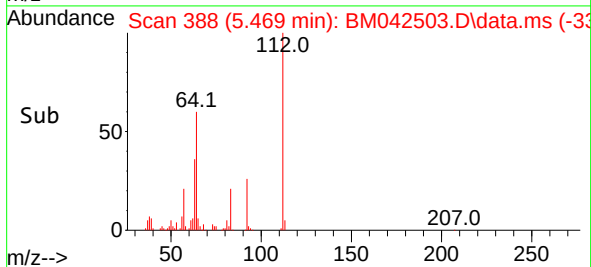
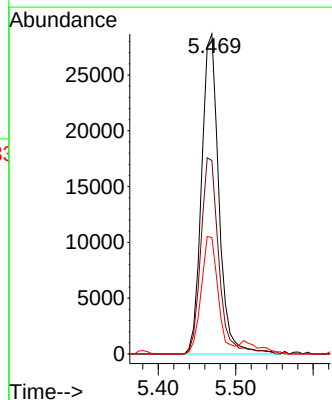
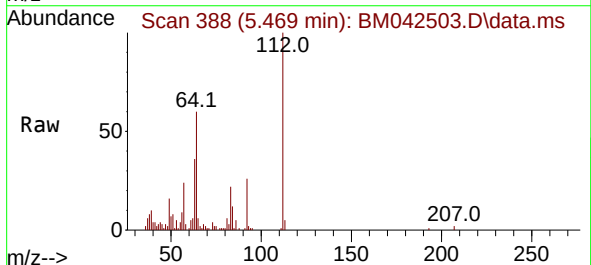
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

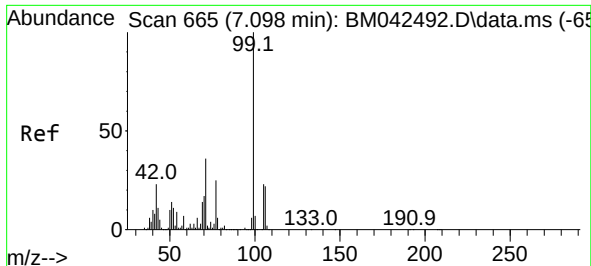
Tgt Ion:152 Resp: 94486
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 62.1 47.9 71.9



#5
2-Fluorophenol
Concen: 7.590 ng
RT: 5.469 min Scan# 388
Delta R.T. 0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:112 Resp: 44435
Ion Ratio Lower Upper
112 100
64 60.5 52.1 78.1
63 36.4 28.3 42.5

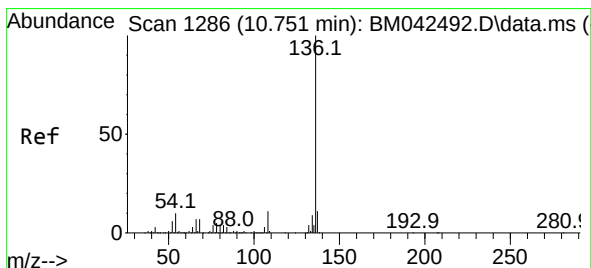
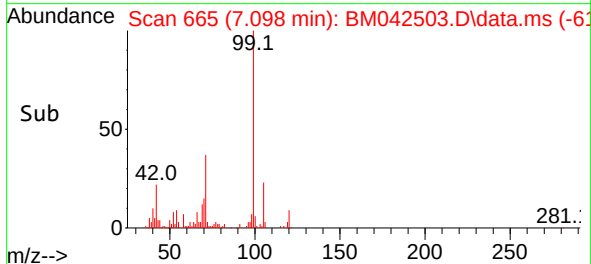
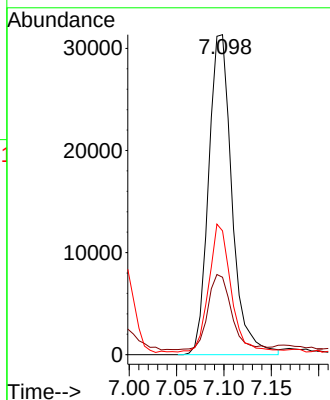
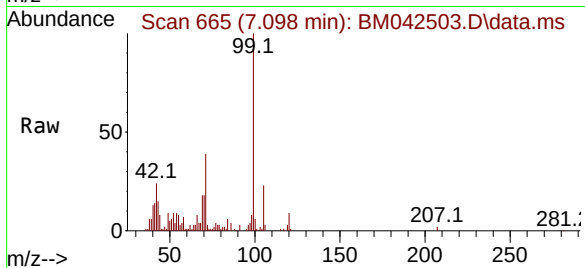




#7
Phenol-d6
Concen: 6.691 ng
RT: 7.098 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

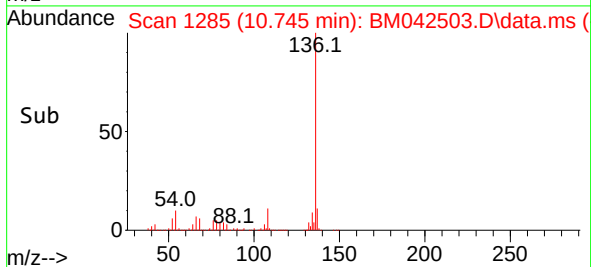
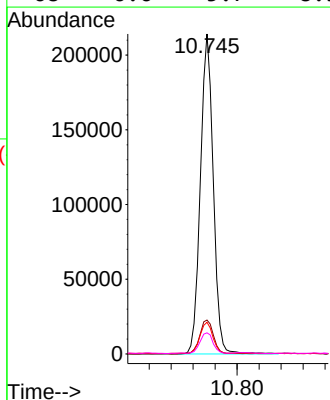
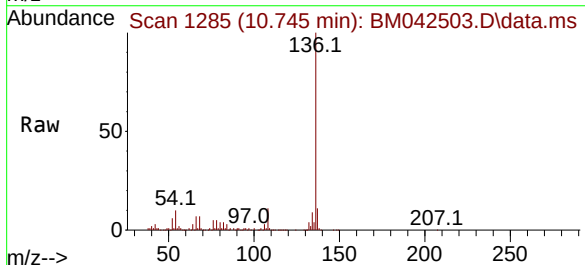
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

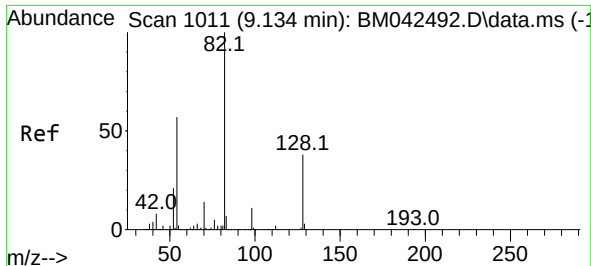
Tgt Ion: 99 Resp: 53728
Ion Ratio Lower Upper
99 100
42 24.2 18.7 28.1
71 38.7 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion: 136 Resp: 348584
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.9 8.0 12.0
68 6.6 5.7 8.5

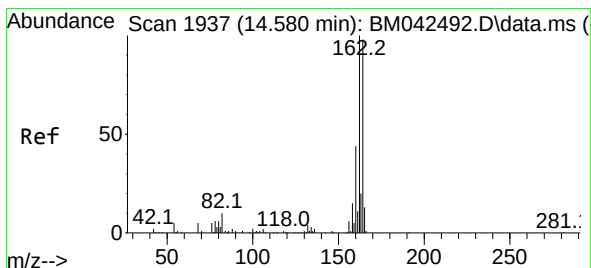
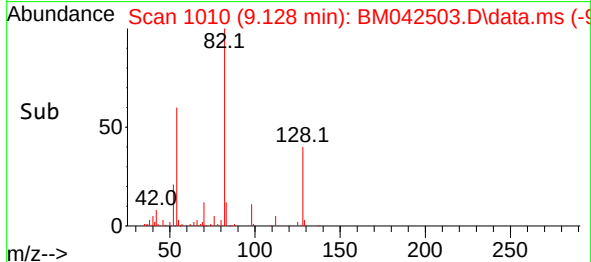
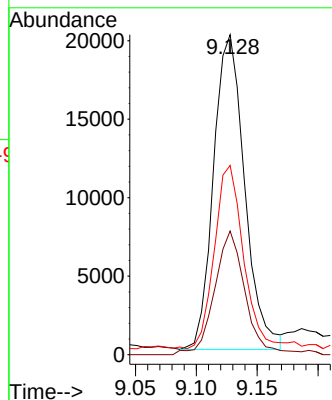
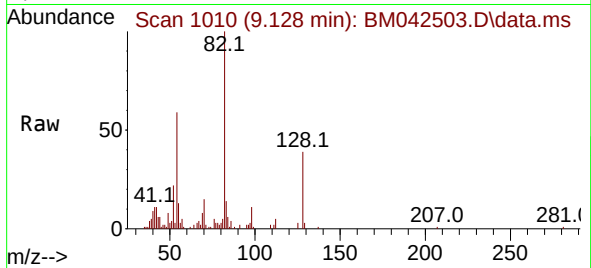




#23
Nitrobenzene-d5
Concen: 4.767 ng
RT: 9.128 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

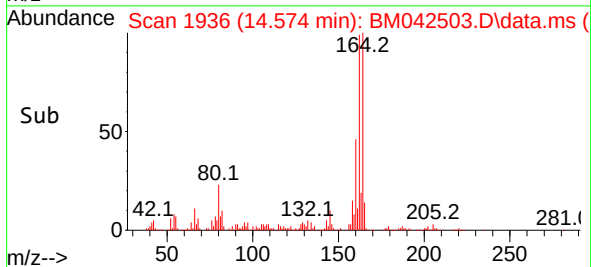
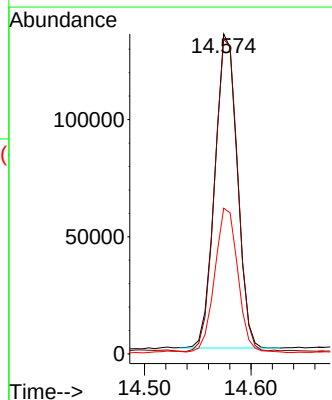
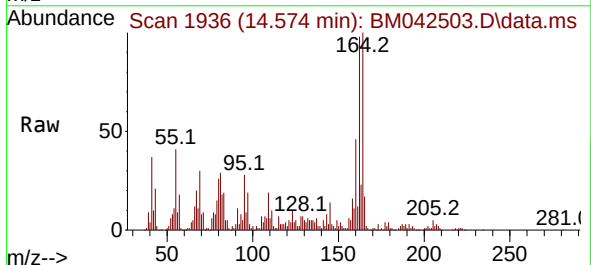
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

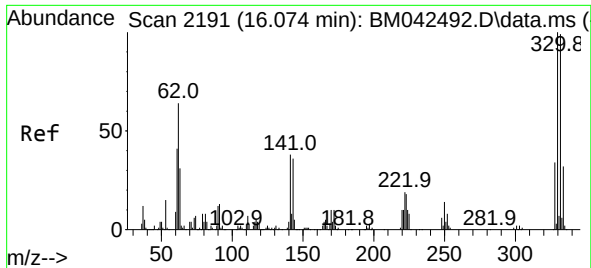
Tgt Ion: 82 Resp: 35648
Ion Ratio Lower Upper
82 100
128 38.6 30.7 46.1
54 59.1 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion: 164 Resp: 196005
Ion Ratio Lower Upper
164 100
162 98.4 81.6 122.4
160 45.6 36.2 54.4

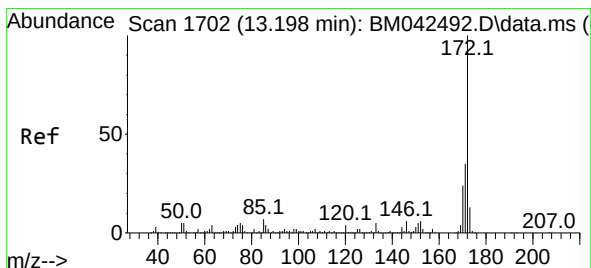
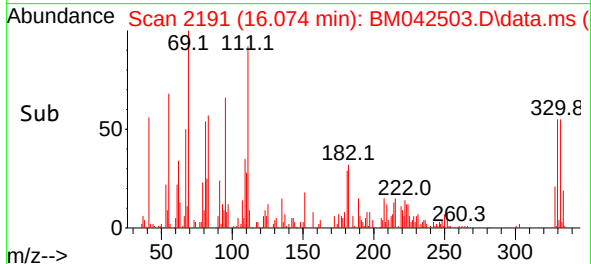
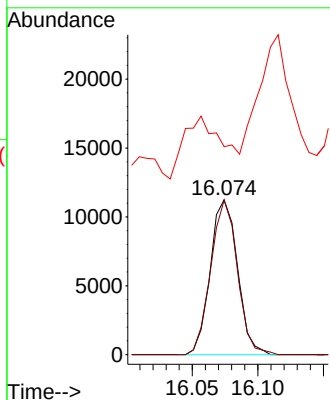
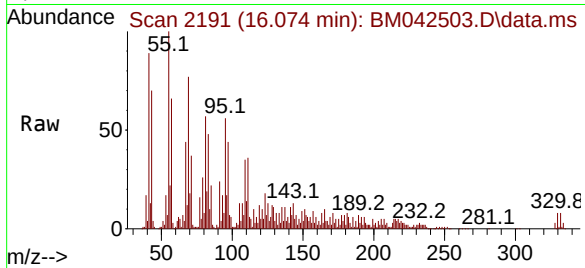




#42
2,4,6-Tribromophenol
Concen: 6.347 ng
RT: 16.074 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

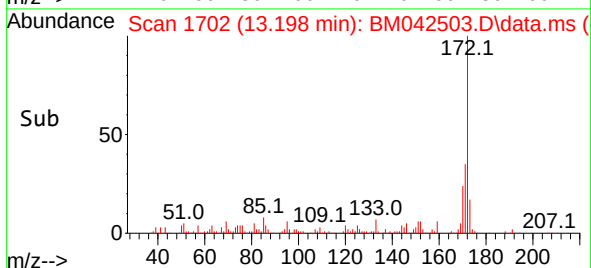
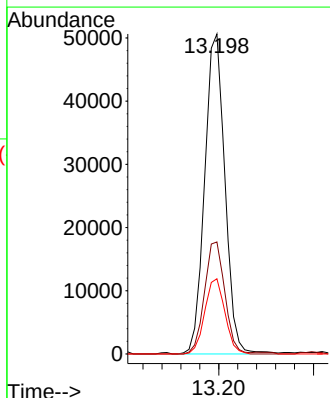
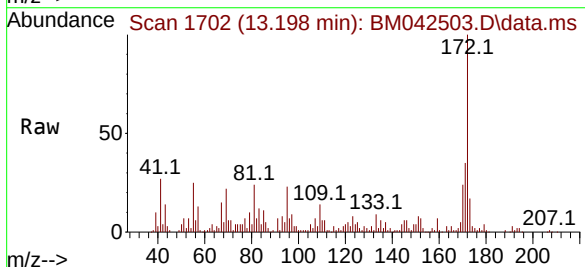
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

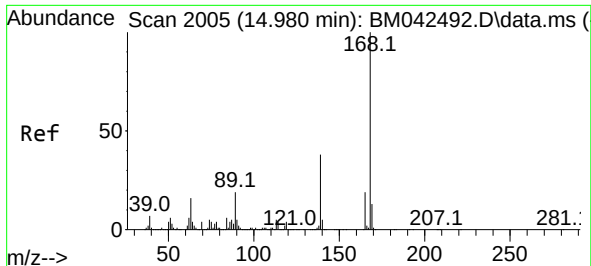
Tgt Ion:330 Resp: 16241
Ion Ratio Lower Upper
330 100
332 97.6 78.8 118.2
141 58.5 31.1 46.7#



#45
2-Fluorobiphenyl
Concen: 5.148 ng
RT: 13.198 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:172 Resp: 74988
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.5 19.0 28.4

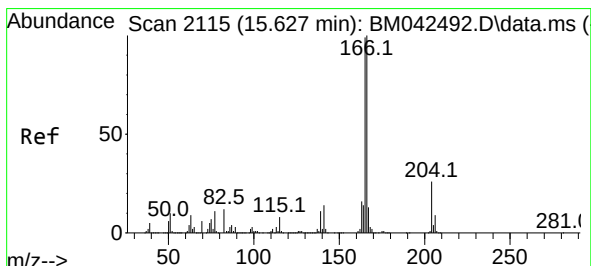
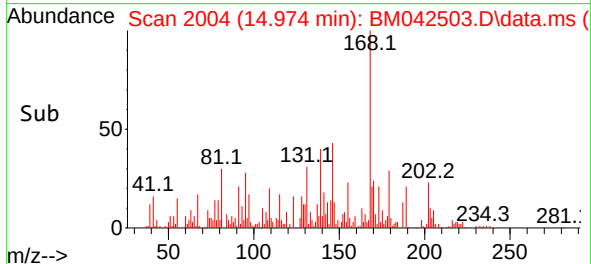
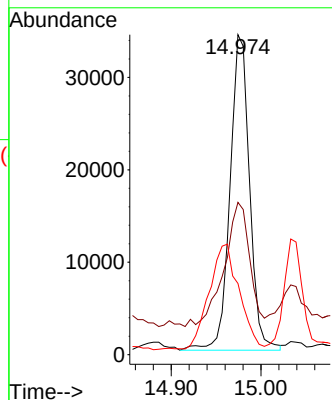
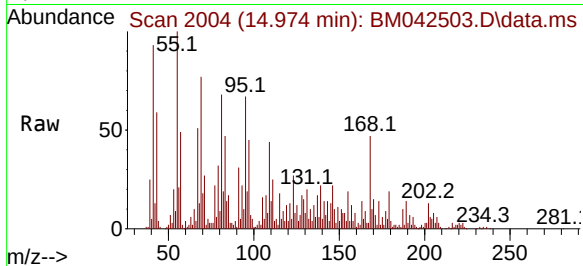




#55
Dibenzofuran
Concen: 2.876 ng
RT: 14.974 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

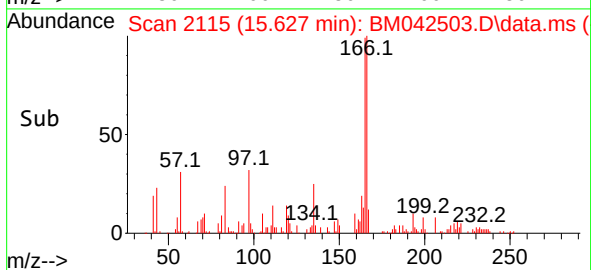
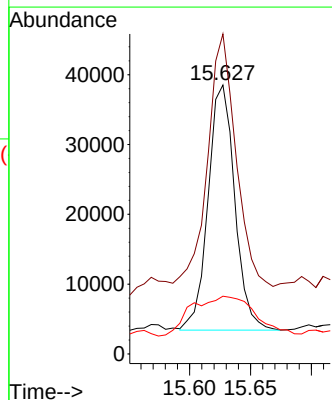
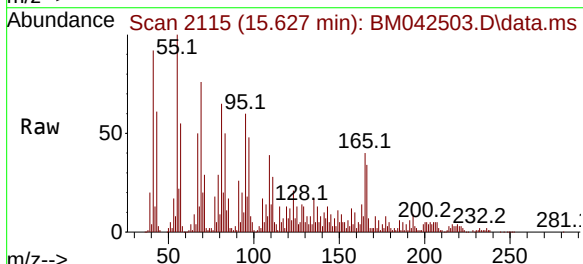
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

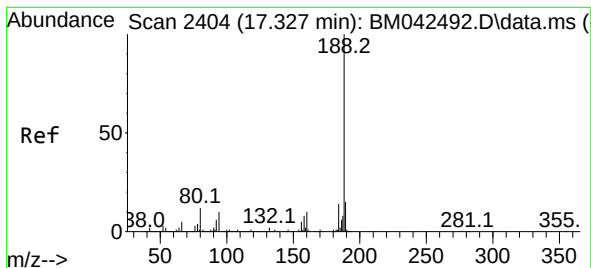
Tgt Ion:168 Resp: 51659
Ion Ratio Lower Upper
168 100
139 47.6 30.4 45.6#
169 22.2 10.6 15.8#



#58
Fluorene
Concen: 3.688 ng
RT: 15.627 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:166 Resp: 53599
Ion Ratio Lower Upper
166 100
165 119.0 79.3 118.9#
167 21.5 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.333 min Scan# 2405

Delta R.T. 0.006 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

Instrument :

BNA_M

ClientSampleId :

RBR-200027DL

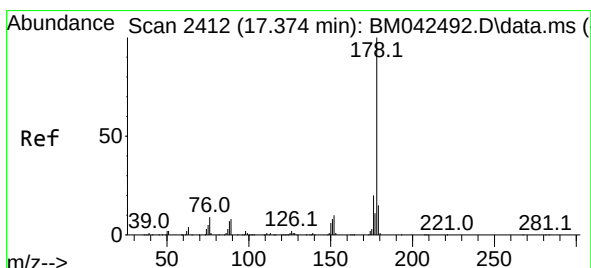
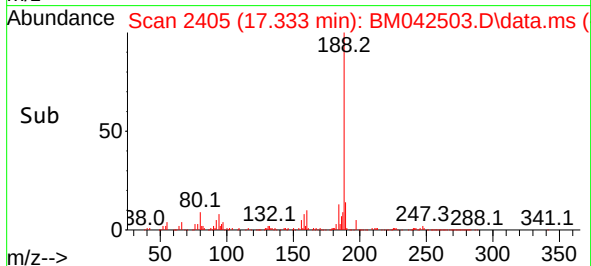
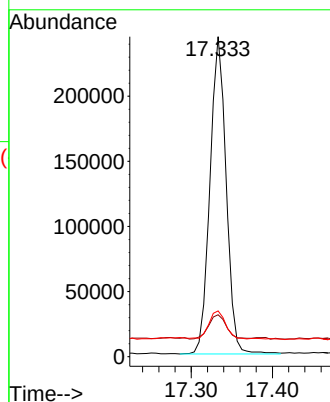
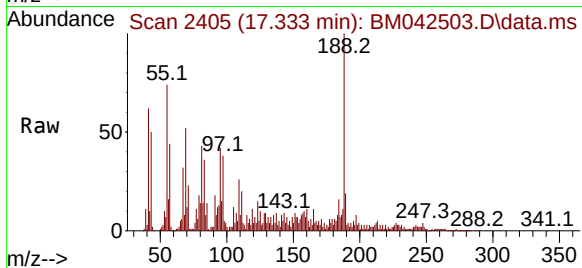
Tgt Ion:188 Resp: 337501

Ion Ratio Lower Upper

188 100

94 13.1 8.2 12.4#

80 14.3 9.4 14.2#



#71

Phenanthrene

Concen: 28.587 ng

RT: 17.374 min Scan# 2412

Delta R.T. -0.000 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

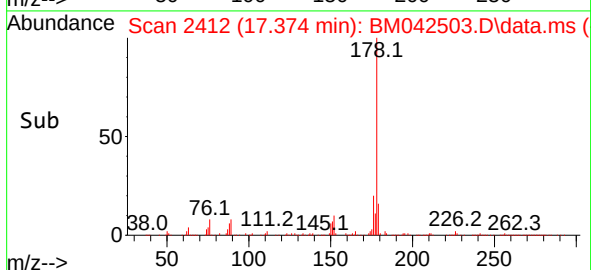
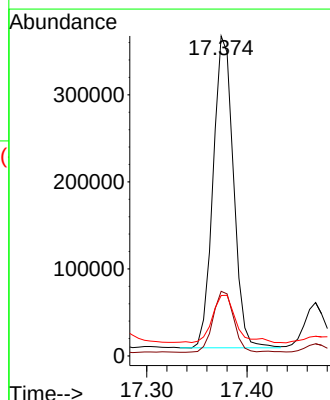
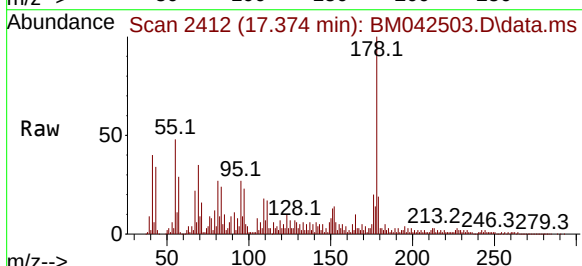
Tgt Ion:178 Resp: 504211

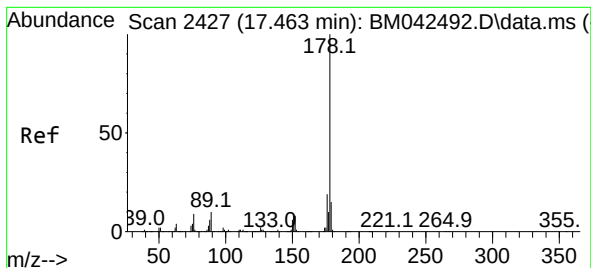
Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 18.9 12.2 18.4#





#72

Anthracene

Concen: 4.130 ng

RT: 17.468 min Scan# 2427

Delta R.T. 0.006 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

Instrument :

BNA_M

ClientSampleId :

RBR-200027DL

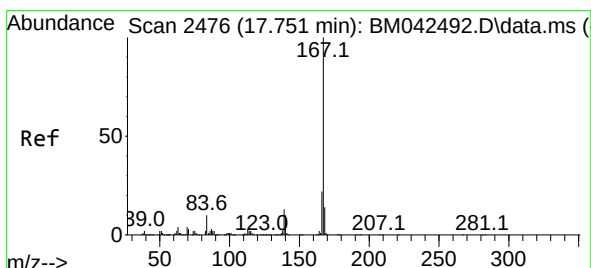
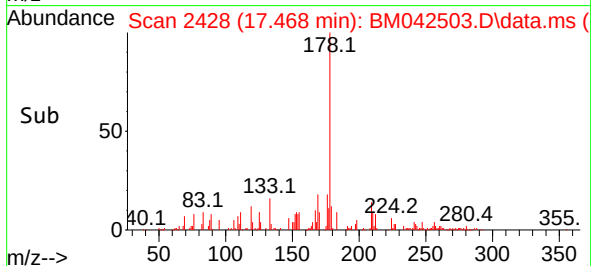
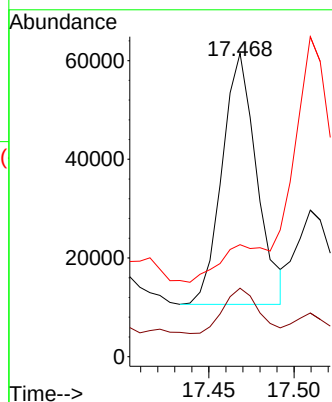
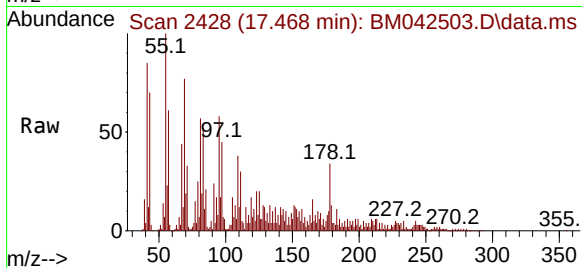
Tgt Ion:178 Resp: 72149

Ion Ratio Lower Upper

178 100

176 22.6 15.2 22.8

179 36.9 12.3 18.5#



#73

Carbazole

Concen: 3.041 ng

RT: 17.757 min Scan# 2477

Delta R.T. 0.006 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

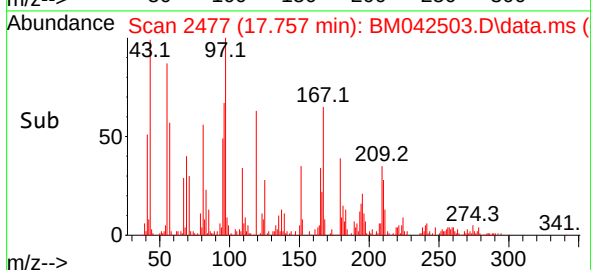
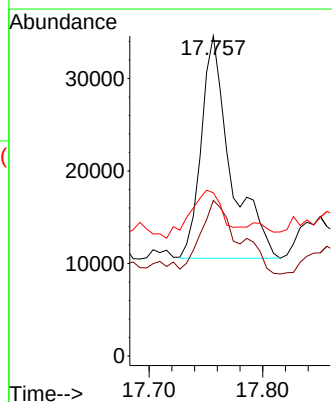
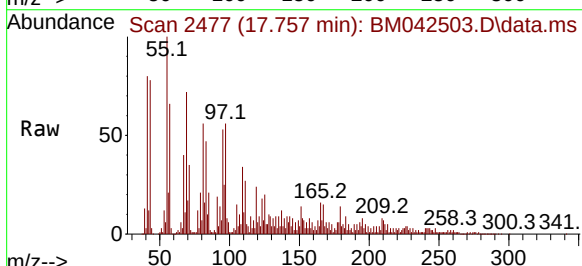
Tgt Ion:167 Resp: 43218

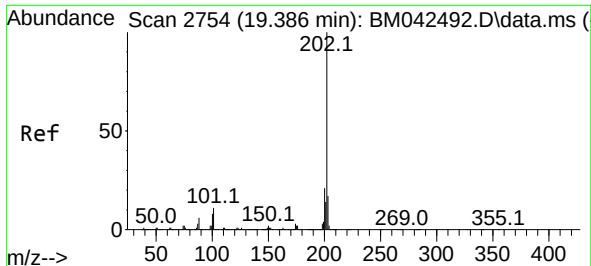
Ion Ratio Lower Upper

167 100

166 48.6 17.4 26.2#

139 51.0 10.5 15.7#

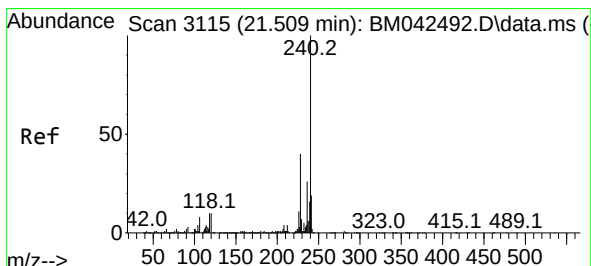
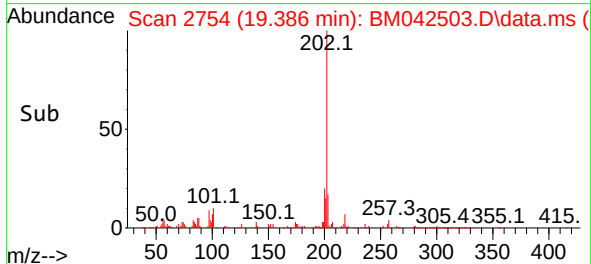
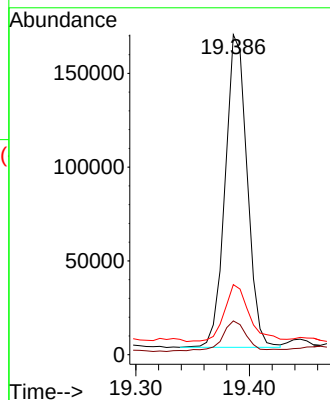
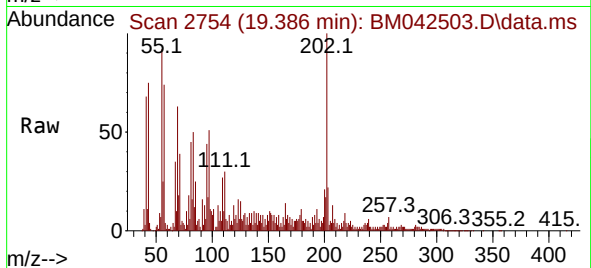




#75
Fluoranthene
Concen: 10.814 ng
RT: 19.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

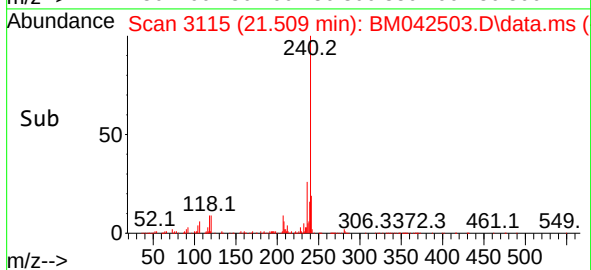
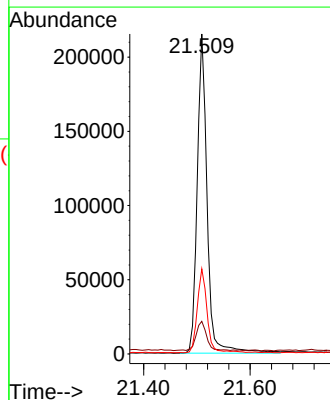
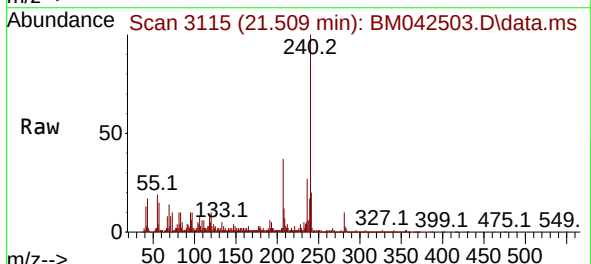
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

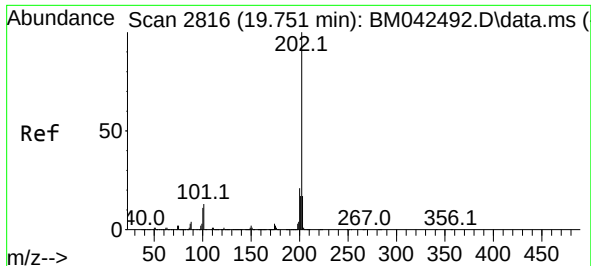
Tgt Ion:202 Resp: 224039
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.5
203 21.9 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:240 Resp: 277856
Ion Ratio Lower Upper
240 100
120 10.2 8.3 12.5
236 26.6 20.8 31.2

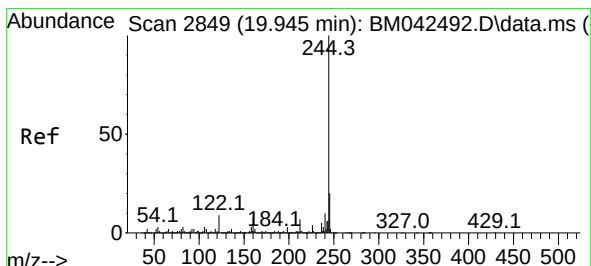
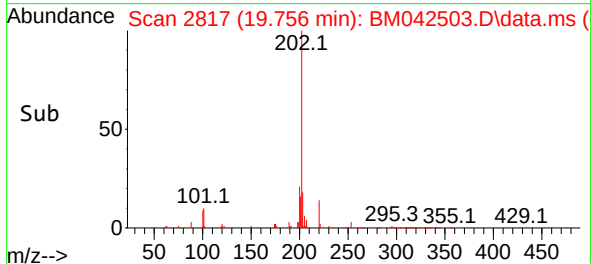
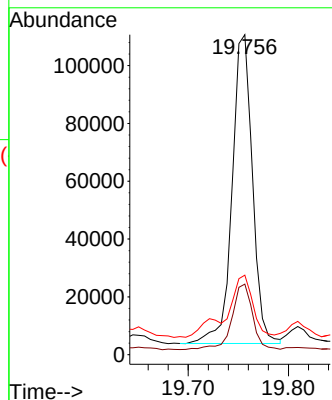
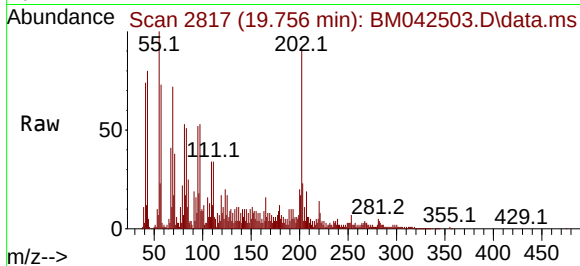




#78
Pyrene
Concen: 7.894 ng
RT: 19.756 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

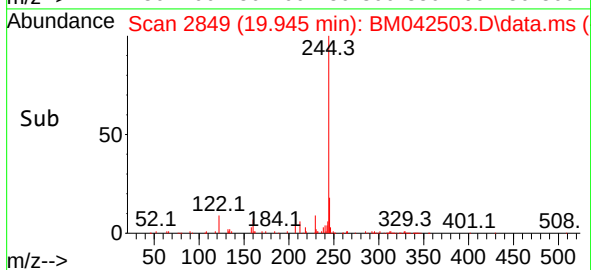
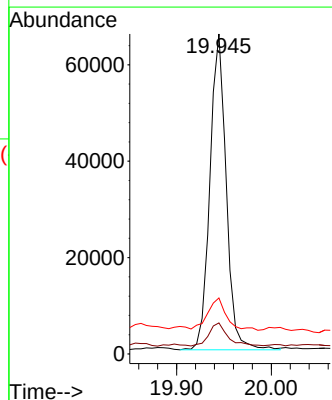
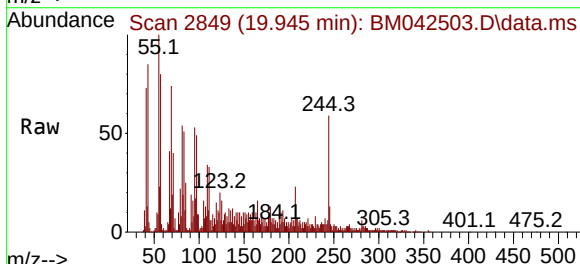
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

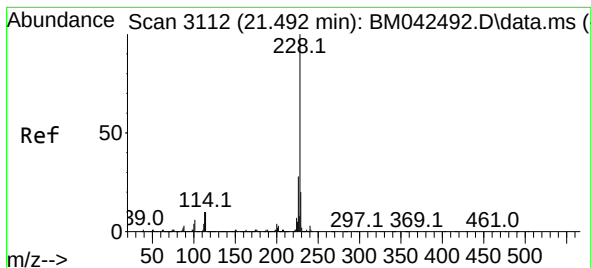
Tgt Ion:202 Resp: 150613
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 24.8 13.7 20.5#



#79
Terphenyl-d14
Concen: 4.780 ng
RT: 19.945 min Scan# 2849
Delta R.T. -0.000 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:244 Resp: 78333
Ion Ratio Lower Upper
244 100
212 9.7 5.4 8.2#
122 17.5 7.2 10.8#





#81

Benzo(a)anthracene

Concen: 2.315 ng

RT: 21.492 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

Instrument :

BNA_M

ClientSampleId :

RBR-200027DL

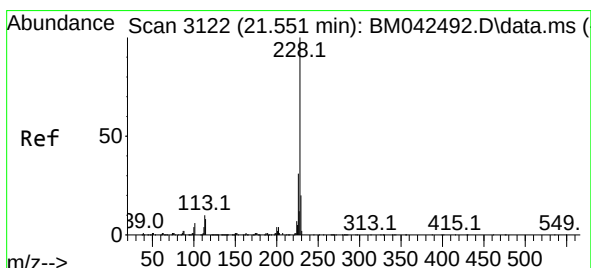
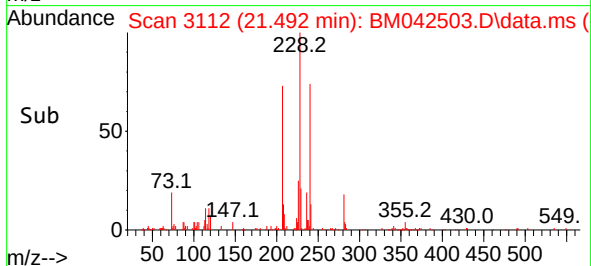
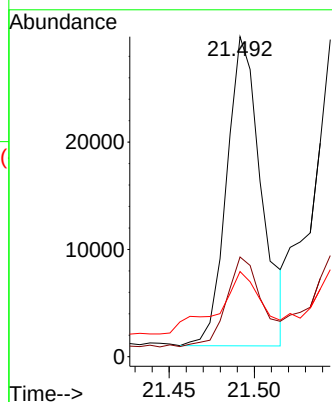
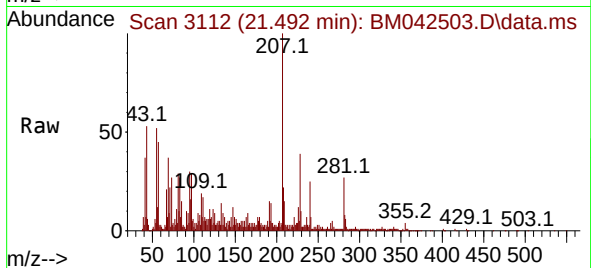
Tgt Ion:228 Resp: 40924

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

229 26.6 15.8 23.8#



#83

Chrysene

Concen: 2.794 ng

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BM042503.D

Acq: 30 Oct 2023 20:43

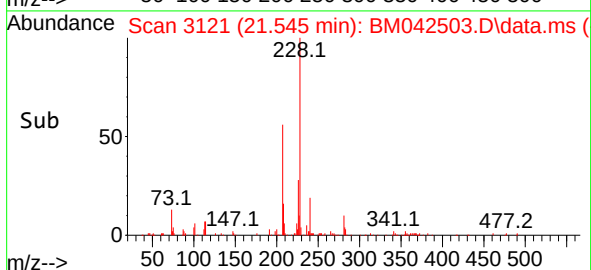
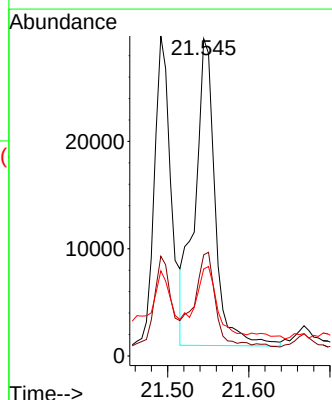
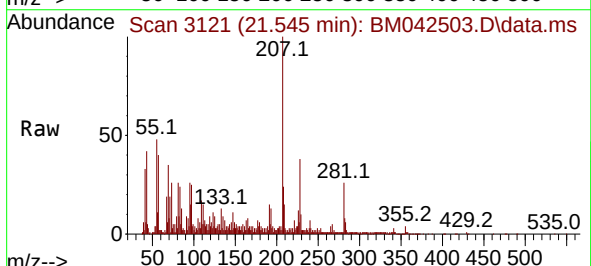
Tgt Ion:228 Resp: 50176

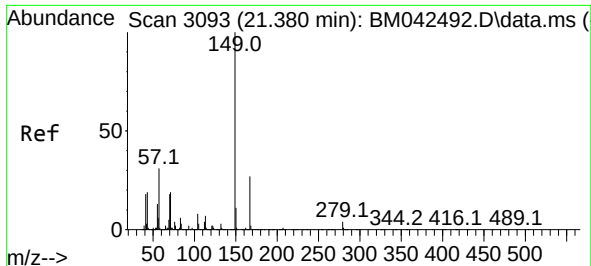
Ion Ratio Lower Upper

228 100

226 31.9 24.4 36.6

229 27.4 15.7 23.5#

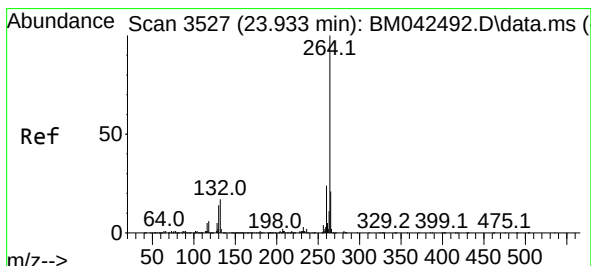
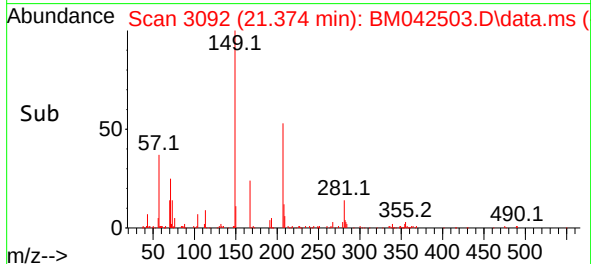
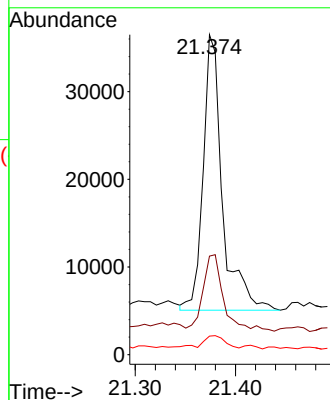
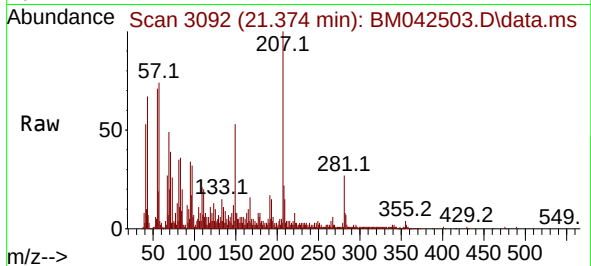




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.417 ng
RT: 21.374 min Scan# 3092
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

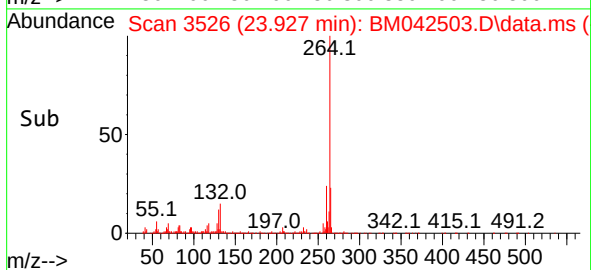
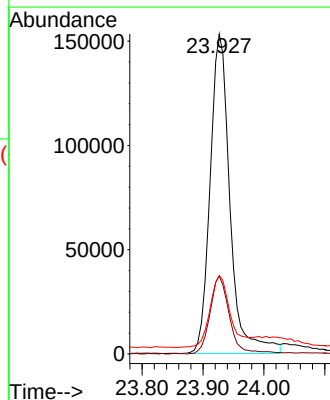
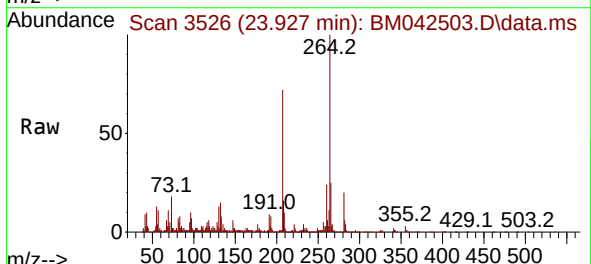
Instrument :
BNA_M
ClientSampleId :
RBR-200027DL

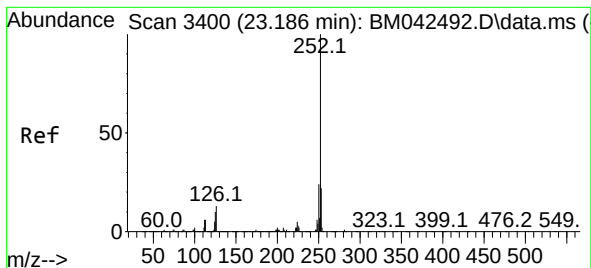
Tgt Ion:149 Resp: 42084
Ion Ratio Lower Upper
149 100
167 30.8 21.4 32.0
279 5.8 3.4 5.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.006 min
Lab File: BM042503.D
Acq: 30 Oct 2023 20:43

Tgt Ion:264 Resp: 347497
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 24.5 18.7 28.1





#88

Benzo(b)fluoranthene

Concen: 2.315 ng

RT: 23.186 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM042503.D

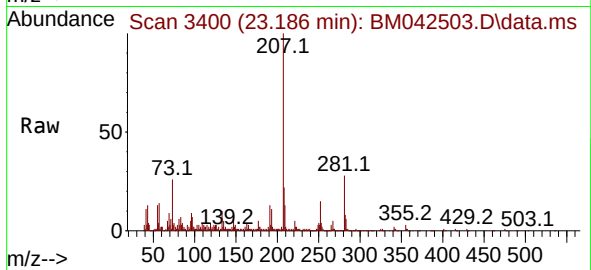
Acq: 30 Oct 2023 20:43

Instrument :

BNA_M

ClientSampleId :

RBR-200027DL



Tgt Ion:252 Resp: 44824

Ion Ratio Lower Upper

252 100

253 28.5 17.5 26.3#

125 22.5 7.8 11.6#

