

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
 Data File : BM042551.D
 Acq On : 01 Nov 2023 22:01
 Operator : MA/JU
 Sample : 05005-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 N-1(0-5)

Quant Time: Nov 01 23:45:35 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)

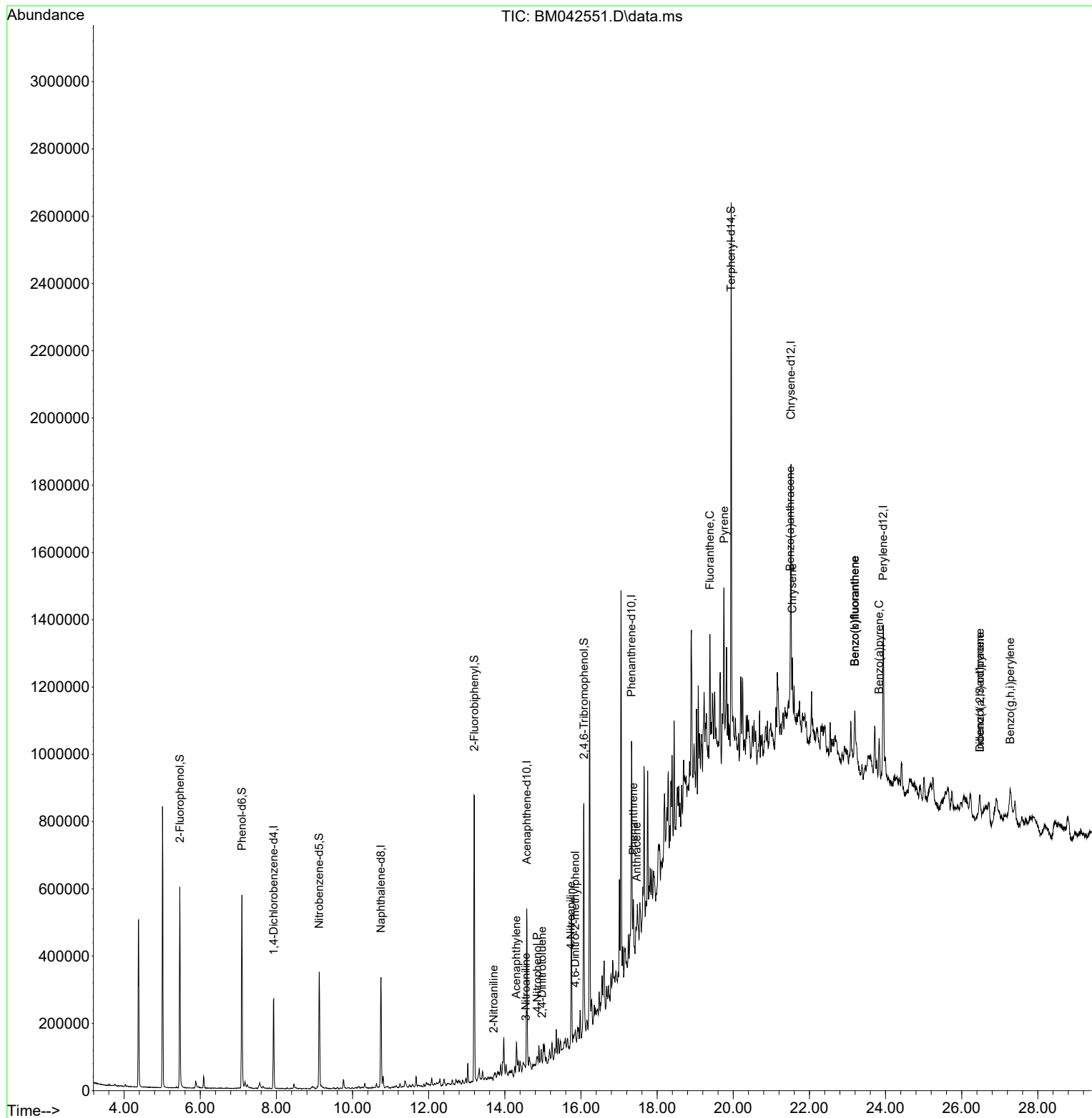
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	63549	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	240796	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	148515	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	314362	20.000	ng	0.00
76) Chrysene-d12	21.515	240	286050	20.000	ng	0.00
86) Perylene-d12	23.939	264	327192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	215748	54.791	ng	0.00
7) Phenol-d6	7.093	99	278641	51.597	ng	0.00
23) Nitrobenzene-d5	9.122	82	191451	37.064	ng	-0.01
42) 2,4,6-Tribromophenol	16.074	330	110974	57.233	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	411769	37.308	ng	0.00
79) Terphenyl-d14	19.945	244	656779	38.932	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.704	65	291	4.429	ng	# 13
49) Acenaphthylene	14.304	152	68291	4.951	ng	100
53) 3-Nitroaniline	14.551	138	60	4.373	ng	# 53
56) 4-Nitrophenol	14.851	139	204	7.043	ng	# 1
57) 2,4-Dinitrotoluene	14.980	165	286	4.047	ng	# 60
62) 4-Nitroaniline	15.733	138	165	5.803	ng	81
65) 4,6-Dinitro-2-methylph...	15.845	198	59	5.860	ng	# 1
71) Phenanthrene	17.374	178	70364	4.283	ng	# 95
72) Anthracene	17.463	178	47779	2.936	ng	# 91
75) Fluoranthene	19.386	202	182802	9.473	ng	97
78) Pyrene	19.756	202	250987	12.778	ng	97
81) Benzo(a)anthracene	21.498	228	103631	5.694	ng	# 91
83) Chrysene	21.551	228	104008	5.626	ng	# 90
87) Indeno(1,2,3-cd)pyrene	26.480	276	77232	3.966	ng	# 91
88) Benzo(b)fluoranthene	23.192	252	141170	7.744	ng	# 89
89) Benzo(k)fluoranthene	23.192	252	141170	6.950	ng	# 90
90) Benzo(a)pyrene	23.833	252	101266	5.643	ng	# 87
91) Dibenzo(a,h)anthracene	26.480	278	23388	5.327	ng	# 56
92) Benzo(g,h,i)perylene	27.274	276	90245	5.258	ng	94

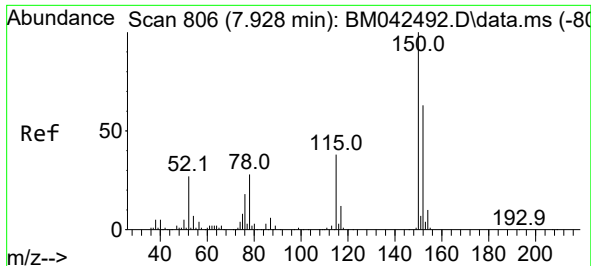
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110123\
Data File : BM042551.D
Acq On : 01 Nov 2023 22:01
Operator : MA/JU
Sample : 05005-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

Quant Time: Nov 01 23:45:35 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

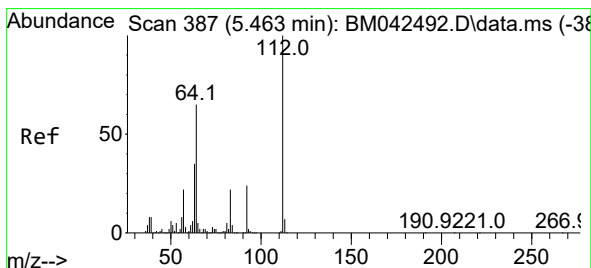
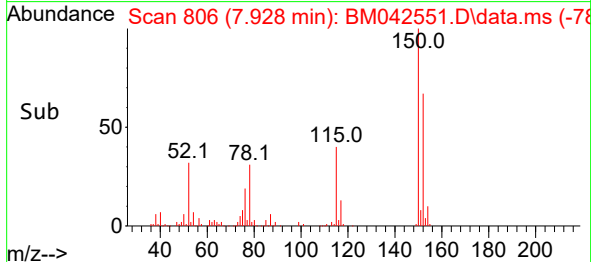
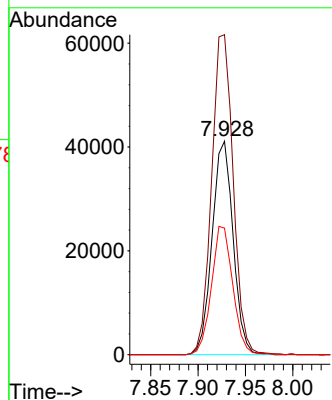
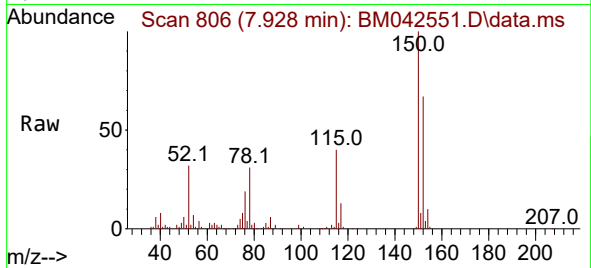




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 806
Delta R.T. -0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

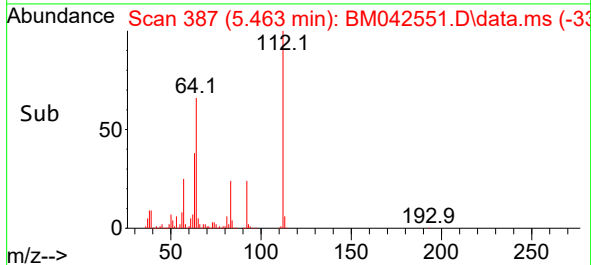
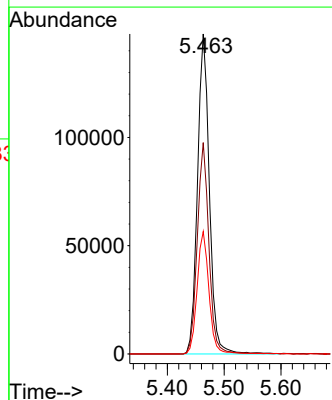
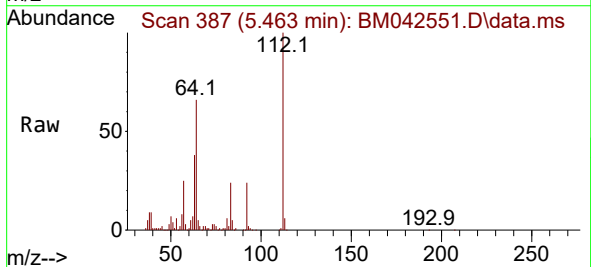
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

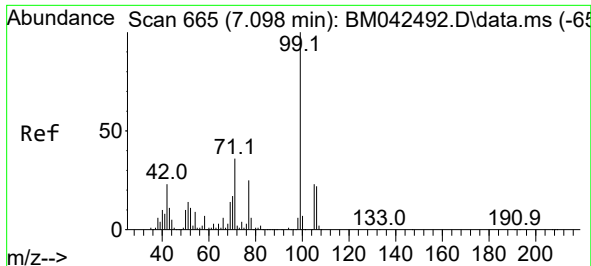
Tgt Ion:152 Resp: 63549
Ion Ratio Lower Upper
152 100
150 150.0 127.4 191.0
115 59.3 47.9 71.9



#5
2-Fluorophenol
Concen: 54.791 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion:112 Resp: 215748
Ion Ratio Lower Upper
112 100
64 66.1 52.1 78.1
63 38.2 28.3 42.5

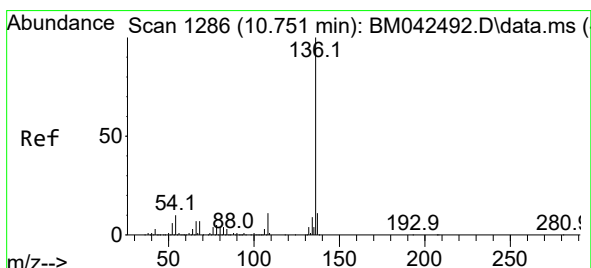
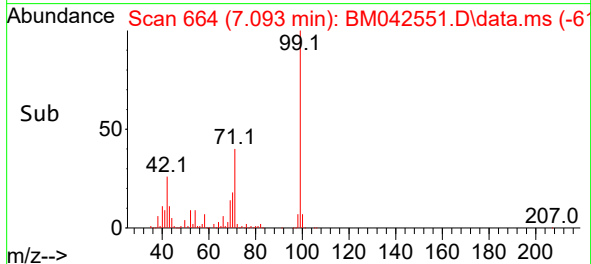
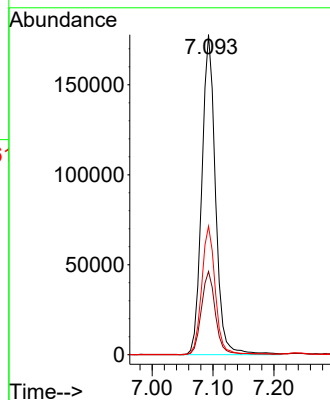
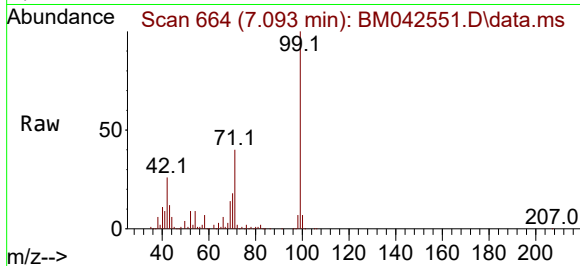




#7
Phenol-d6
Concen: 51.597 ng
RT: 7.093 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

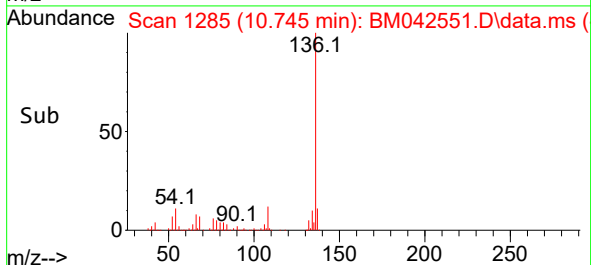
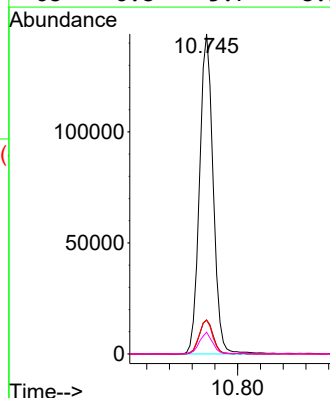
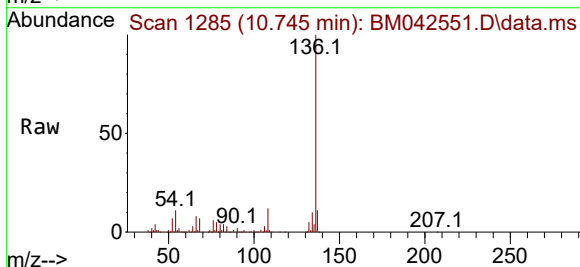
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

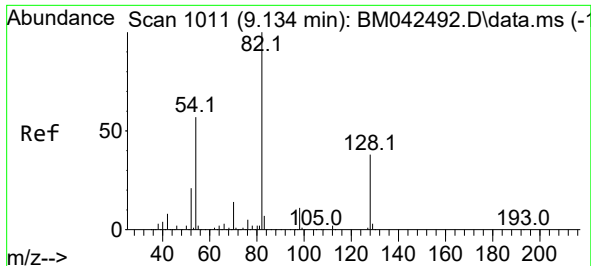
Tgt Ion: 99 Resp: 278641
Ion Ratio Lower Upper
99 100
42 26.0 18.7 28.1
71 40.1 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion: 136 Resp: 240796
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 10.6 8.0 12.0
68 6.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 37.064 ng

RT: 9.122 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

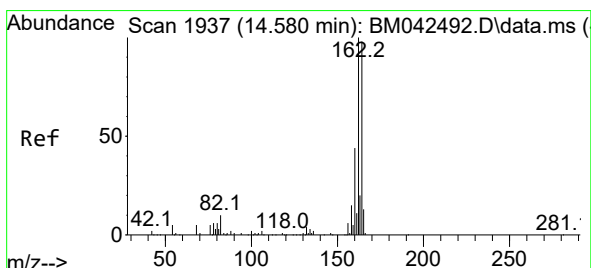
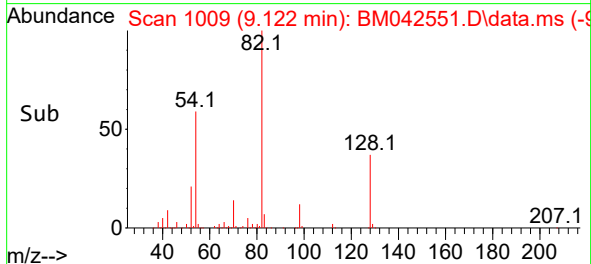
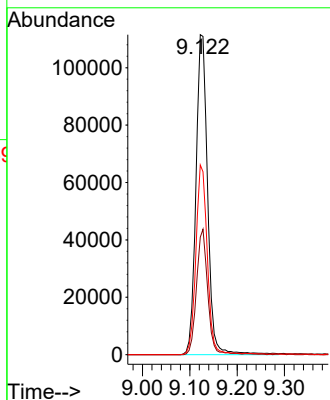
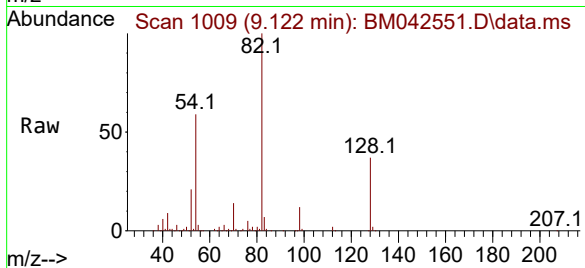
Tgt Ion: 82 Resp: 191451

Ion Ratio Lower Upper

82 100

128 36.7 30.7 46.1

54 59.3 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: BM042551.D

Acq: 01 Nov 2023 22:01

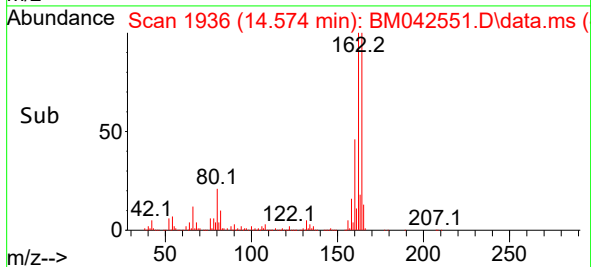
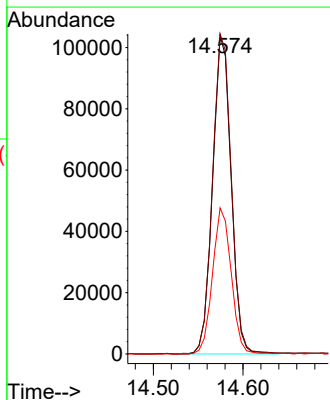
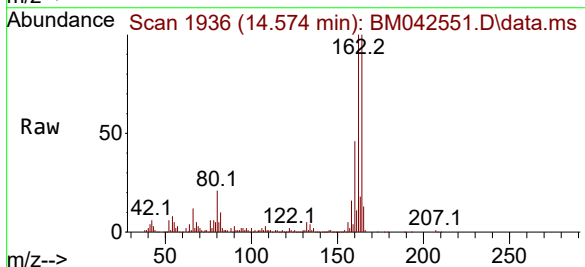
Tgt Ion: 164 Resp: 148515

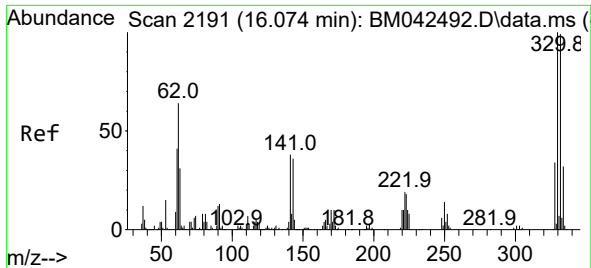
Ion Ratio Lower Upper

164 100

162 100.4 81.6 122.4

160 45.8 36.2 54.4

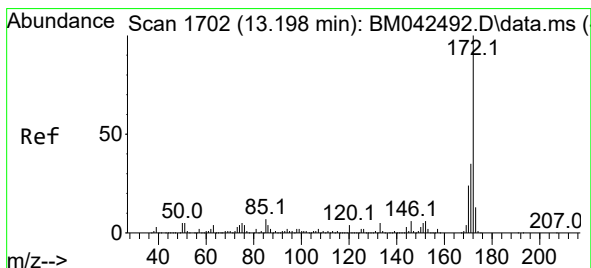
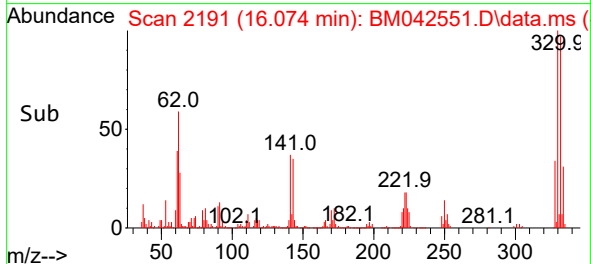
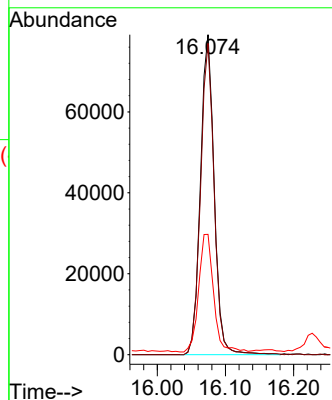
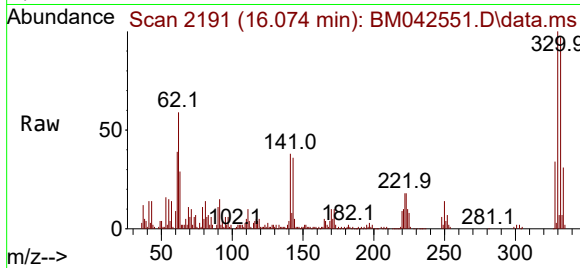




#42
2,4,6-Tribromophenol
Concen: 57.233 ng
RT: 16.074 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

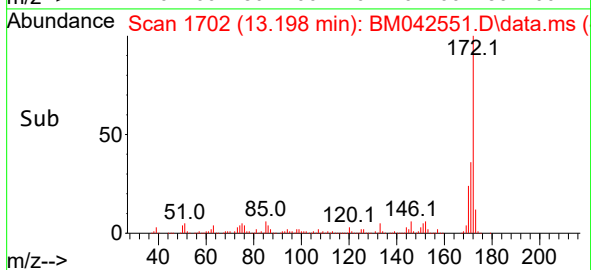
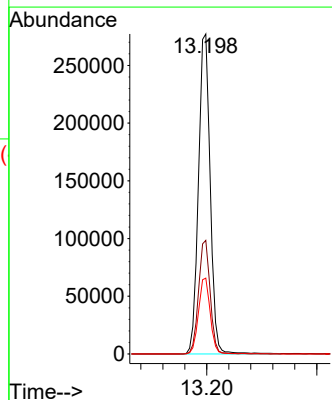
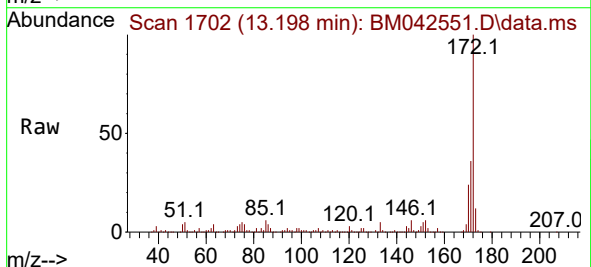
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

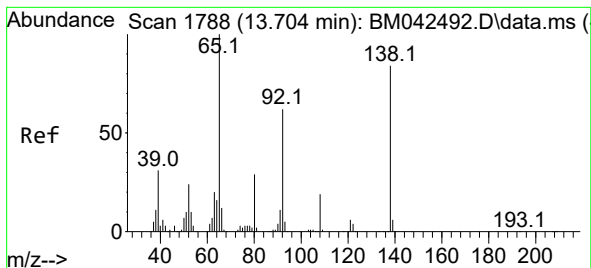
Tgt Ion:330 Resp: 110974
Ion Ratio Lower Upper
330 100
332 96.7 78.8 118.2
141 39.6 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 37.308 ng
RT: 13.198 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion:172 Resp: 411769
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.7 19.0 28.4





#48

2-Nitroaniline

Concen: 4.429 ng

RT: 13.704 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

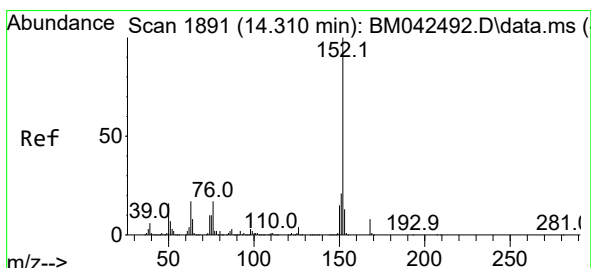
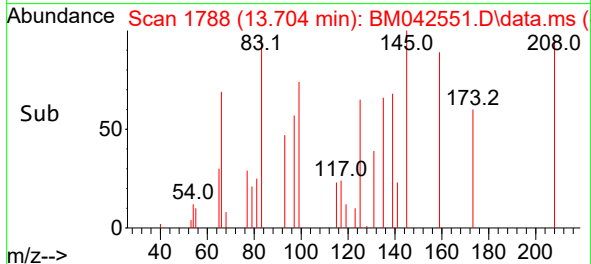
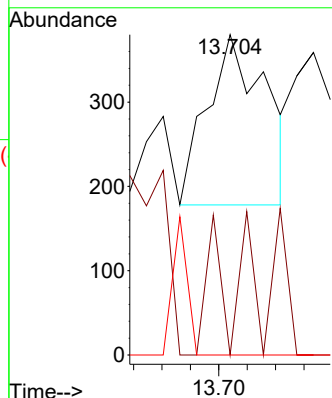
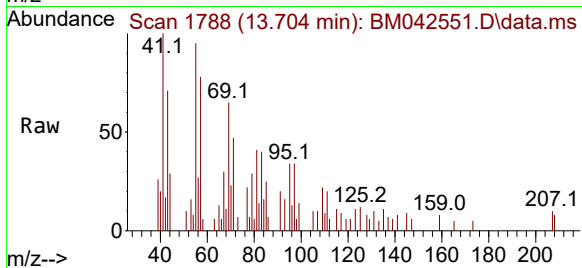
Tgt Ion: 65 Resp: 291

Ion Ratio Lower Upper

65 100

92 0.0 49.4 74.2#

138 0.0 66.9 100.3#



#49

Acenaphthylene

Concen: 4.951 ng

RT: 14.304 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

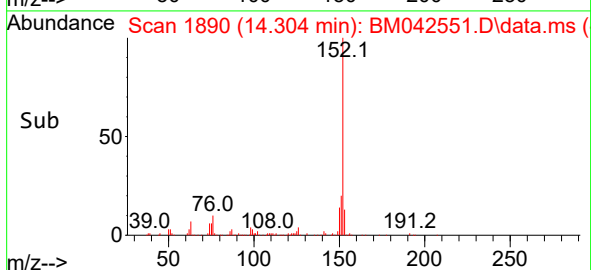
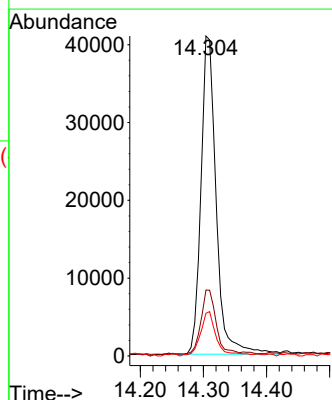
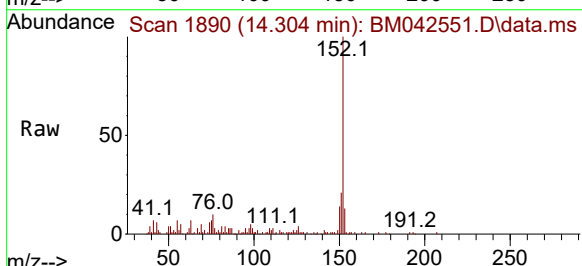
Tgt Ion: 152 Resp: 68291

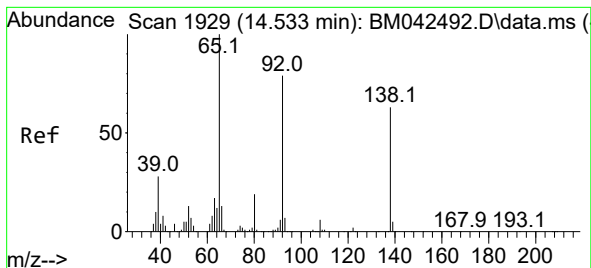
Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 13.4 10.4 15.6

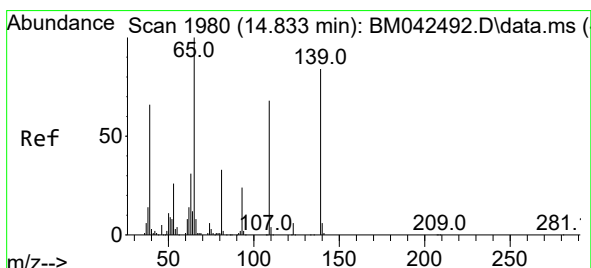
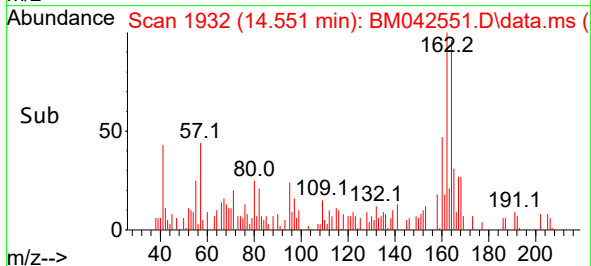
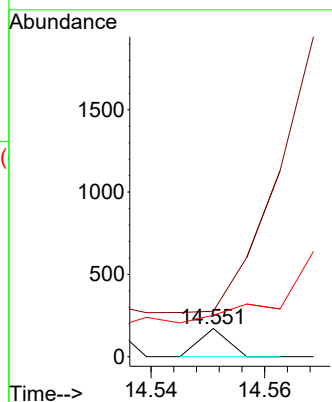
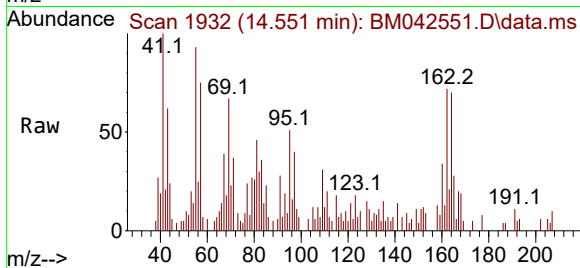




#53
3-Nitroaniline
Concen: 4.373 ng
RT: 14.551 min Scan# 1929
Delta R.T. 0.018 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

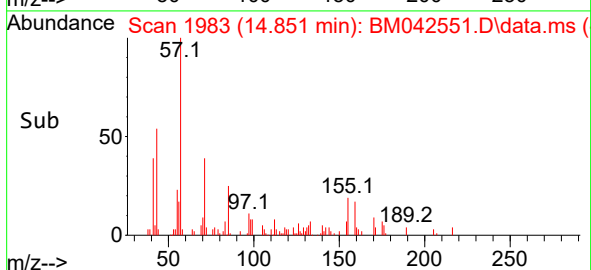
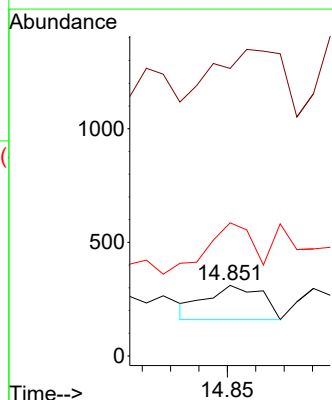
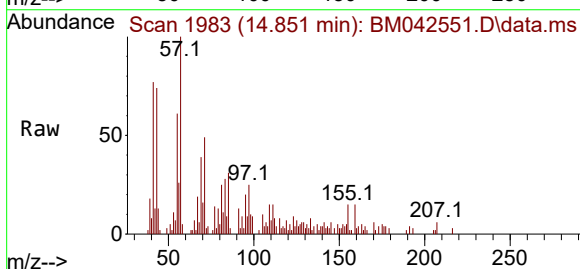
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

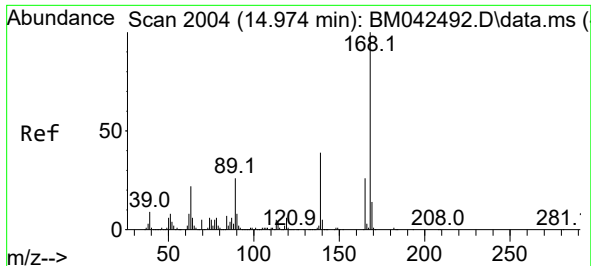
Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
108 161.4 7.9 11.9#
92 147.4 100.7 151.1



#56
4-Nitrophenol
Concen: 7.043 ng
RT: 14.851 min Scan# 1983
Delta R.T. 0.018 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion:139 Resp: 204
Ion Ratio Lower Upper
139 100
109 406.8 61.3 101.3#
65 188.4 100.2 140.2#





#57

2,4-Dinitrotoluene

Concen: 4.047 ng

RT: 14.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

Tgt Ion:165 Resp: 286

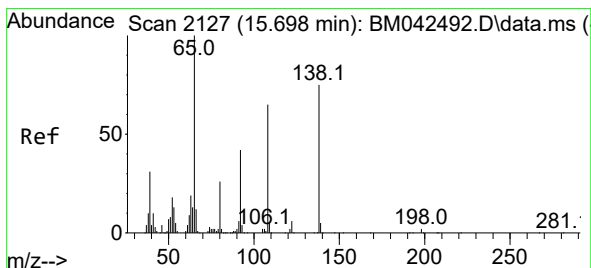
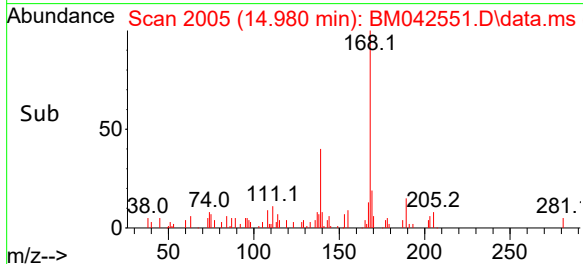
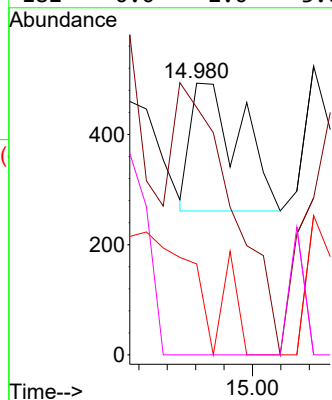
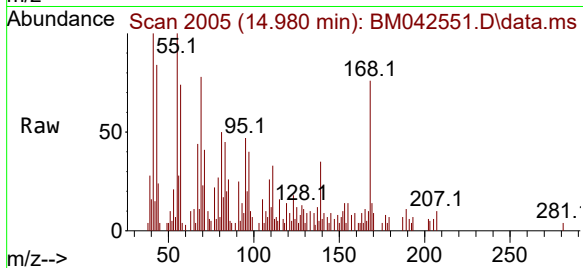
Ion Ratio Lower Upper

165 100

63 91.1 66.7 100.1

89 33.5 80.2 120.4#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 5.803 ng

RT: 15.733 min Scan# 2133

Delta R.T. 0.035 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

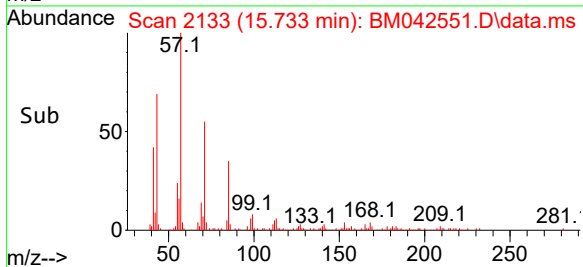
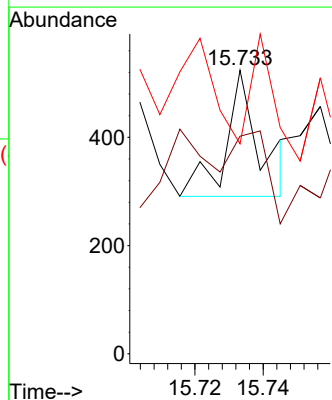
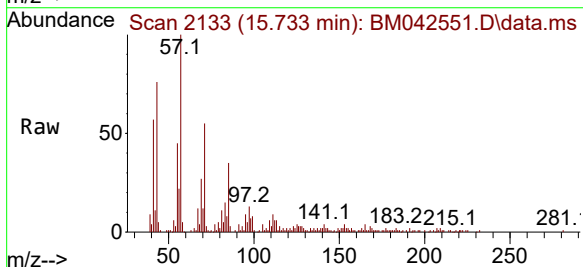
Tgt Ion:138 Resp: 165

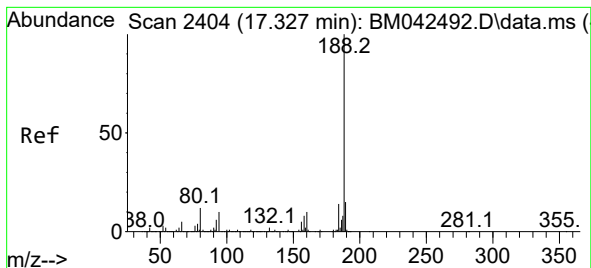
Ion Ratio Lower Upper

138 100

92 76.7 37.0 77.0

108 74.0 67.2 107.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.327 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

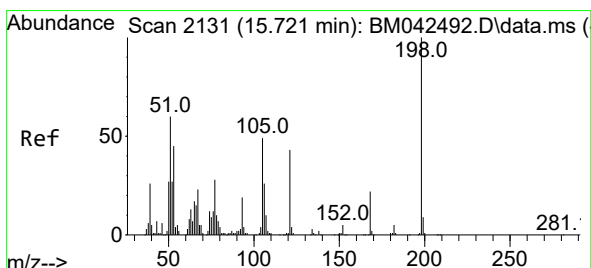
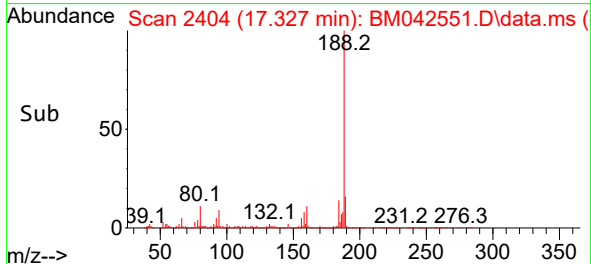
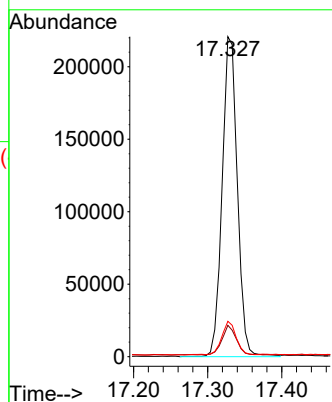
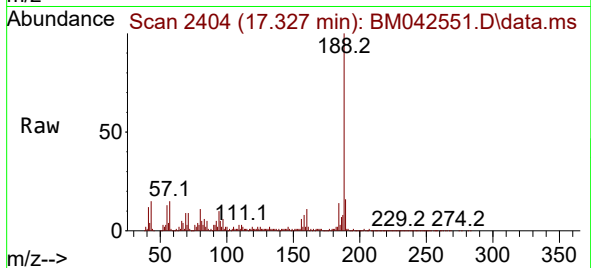
Tgt Ion:188 Resp: 314362

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

80 11.0 9.4 14.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.860 ng

RT: 15.845 min Scan# 2152

Delta R.T. 0.124 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

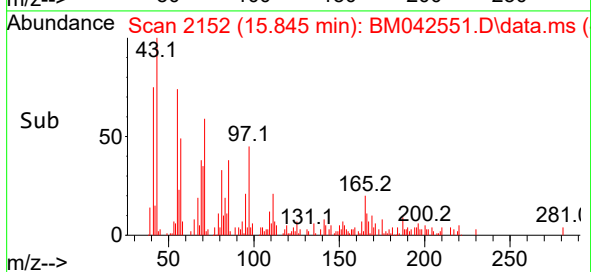
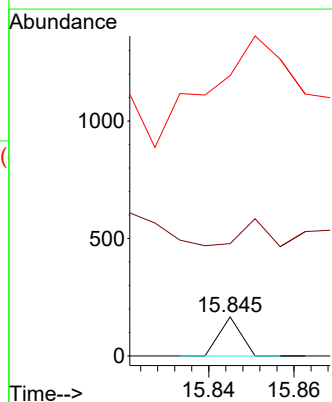
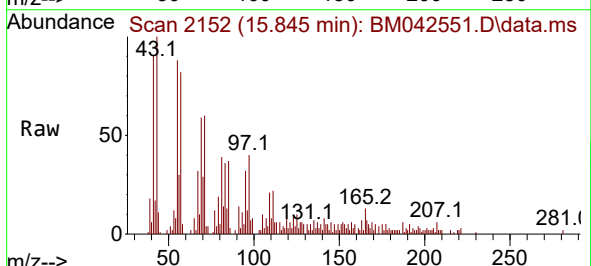
Tgt Ion:198 Resp: 59

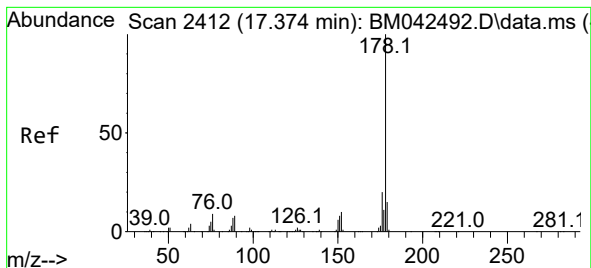
Ion Ratio Lower Upper

198 100

51 288.0 42.4 82.4#

105 718.7 29.2 69.2#





#71

Phenanthrene

Concen: 4.283 ng

RT: 17.374 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

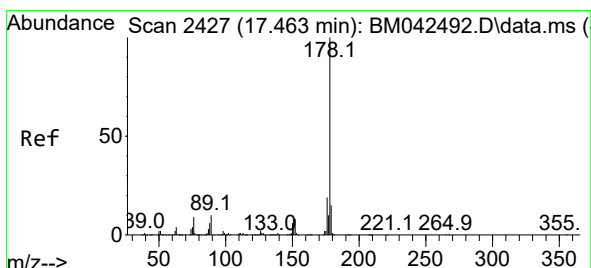
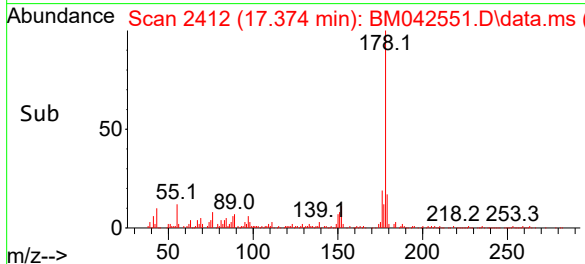
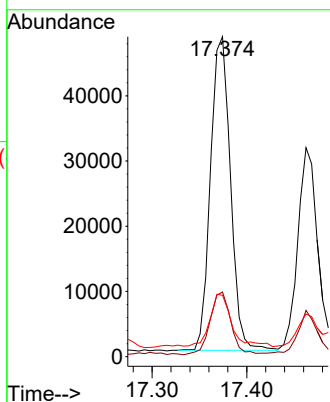
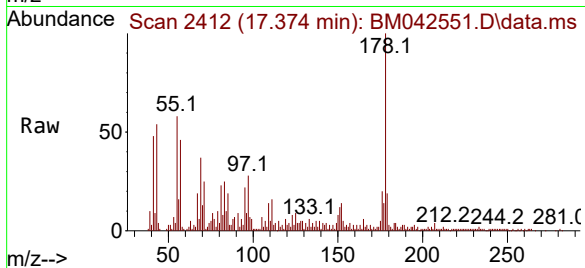
Tgt Ion:178 Resp: 70364

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 19.2 12.2 18.4#



#72

Anthracene

Concen: 2.936 ng

RT: 17.463 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

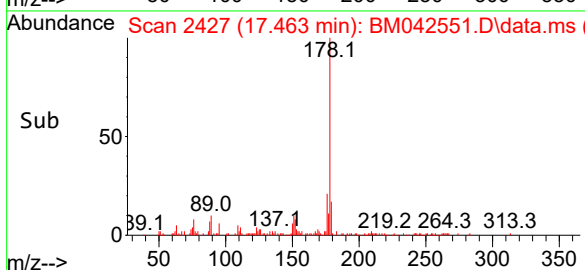
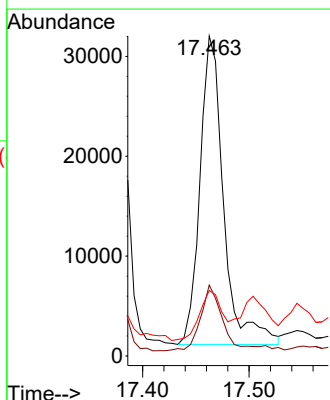
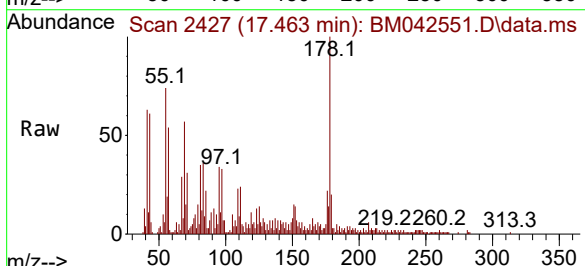
Tgt Ion:178 Resp: 47779

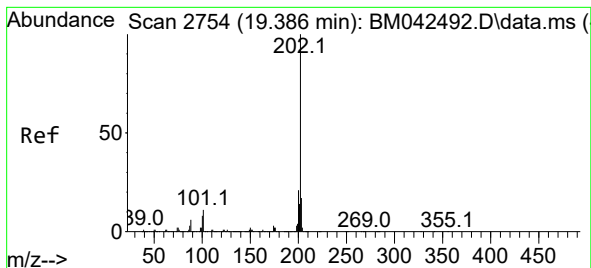
Ion Ratio Lower Upper

178 100

176 22.1 15.2 22.8

179 20.4 12.3 18.5#





#75

Fluoranthene

Concen: 9.473 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

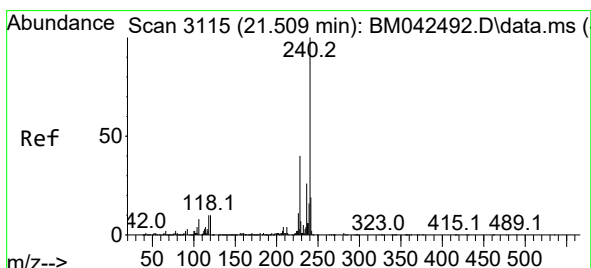
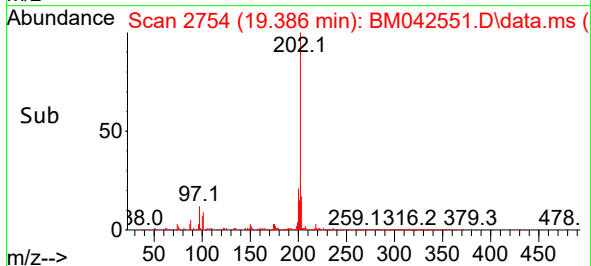
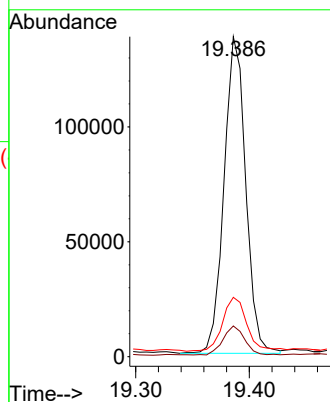
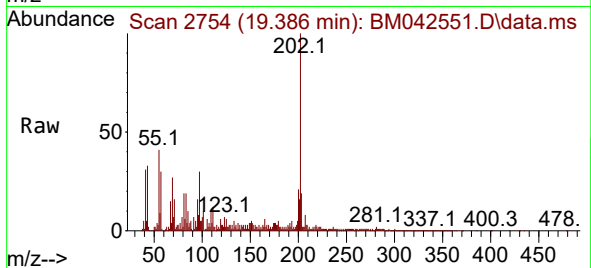
Tgt Ion:202 Resp: 182802

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.5

203 18.6 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.515 min Scan# 3116

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

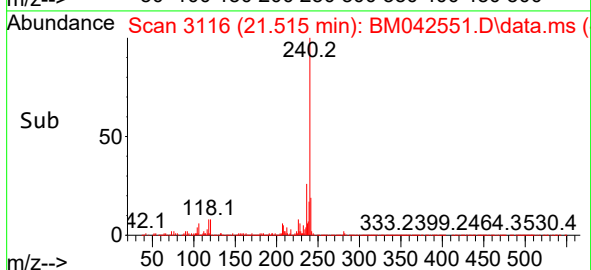
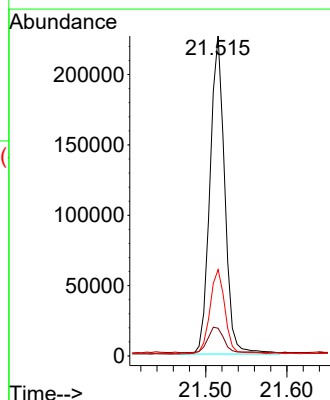
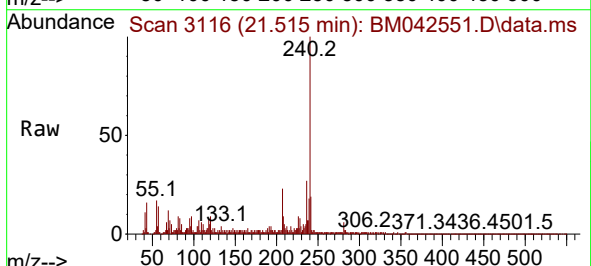
Tgt Ion:240 Resp: 286050

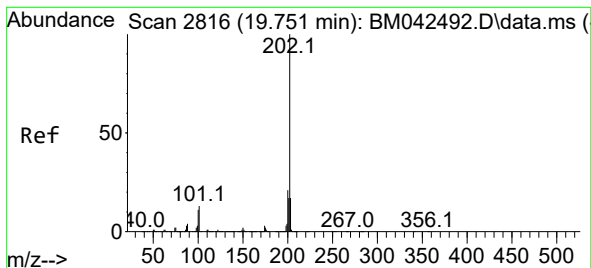
Ion Ratio Lower Upper

240 100

120 8.7 8.3 12.5

236 27.0 20.8 31.2





#78

Pyrene

Concen: 12.778 ng

RT: 19.756 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

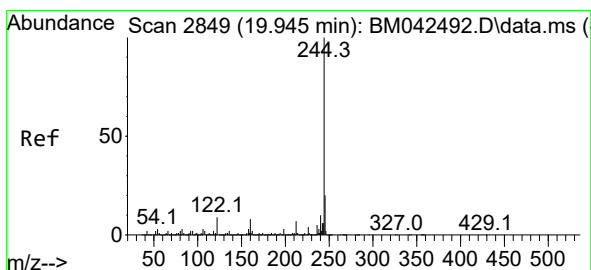
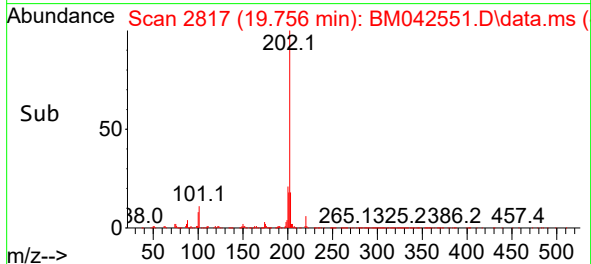
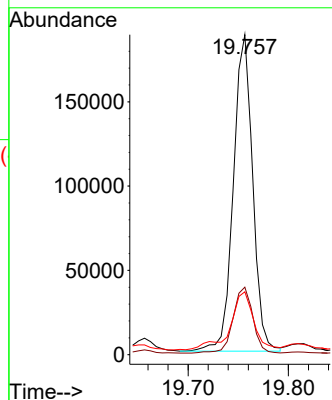
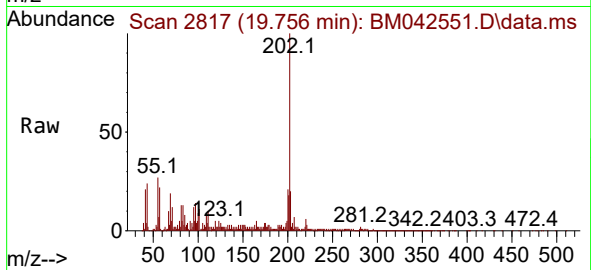
Tgt Ion:202 Resp: 250987

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 19.6 13.7 20.5



#79

Terphenyl-d14

Concen: 38.932 ng

RT: 19.945 min Scan# 2849

Delta R.T. -0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

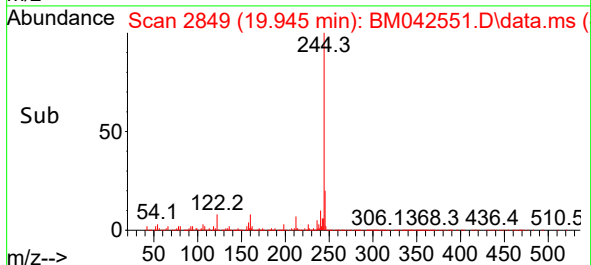
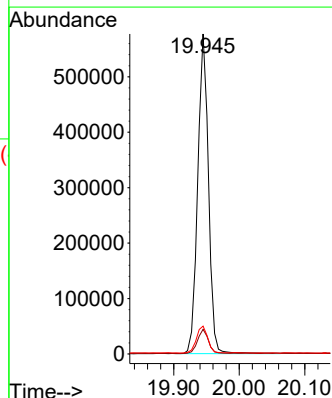
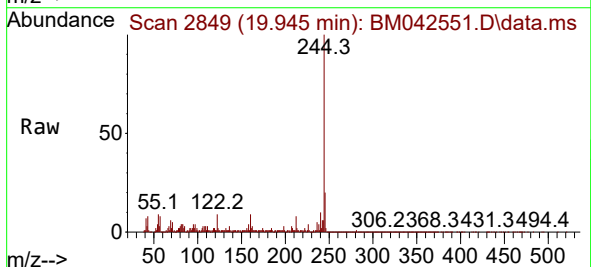
Tgt Ion:244 Resp: 656779

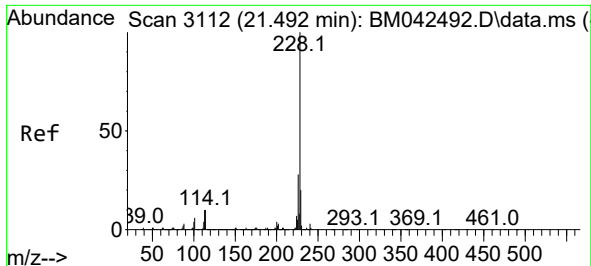
Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.2

122 8.7 7.2 10.8

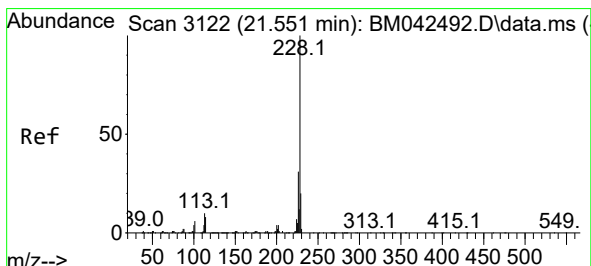
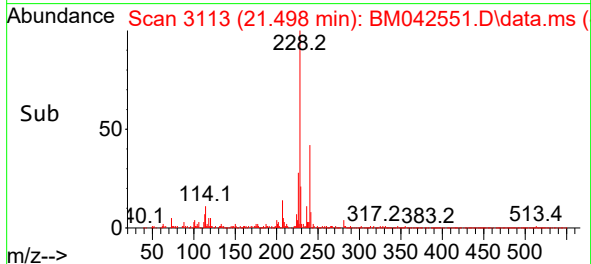
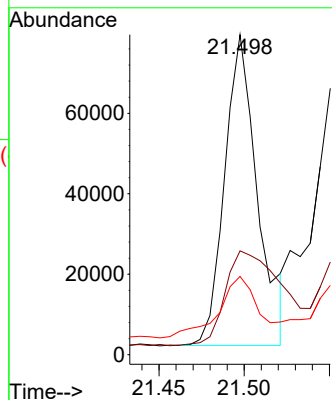
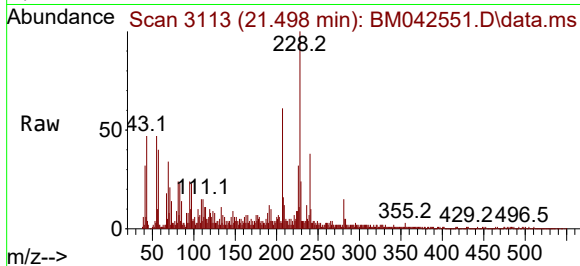




#81
Benzo(a)anthracene
Concen: 5.694 ng
RT: 21.498 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

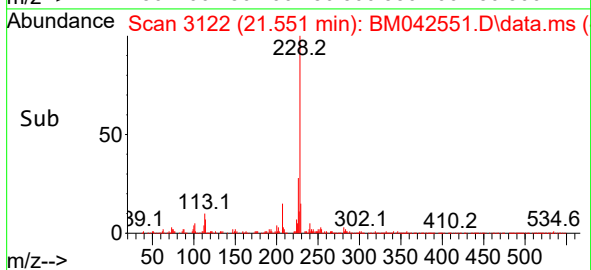
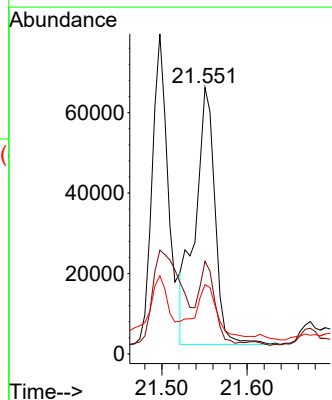
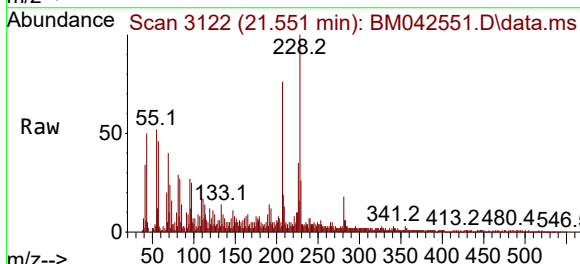
Instrument :
BNA_M
ClientSampleId :
N-1(0-5)

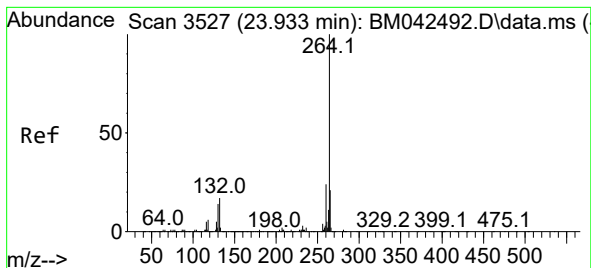
Tgt Ion:228 Resp: 103631
Ion Ratio Lower Upper
228 100
226 32.5 22.3 33.5
229 24.4 15.8 23.8#



#83
Chrysene
Concen: 5.626 ng
RT: 21.551 min Scan# 3122
Delta R.T. 0.000 min
Lab File: BM042551.D
Acq: 01 Nov 2023 22:01

Tgt Ion:228 Resp: 104008
Ion Ratio Lower Upper
228 100
226 34.8 24.4 36.6
229 26.0 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.939 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

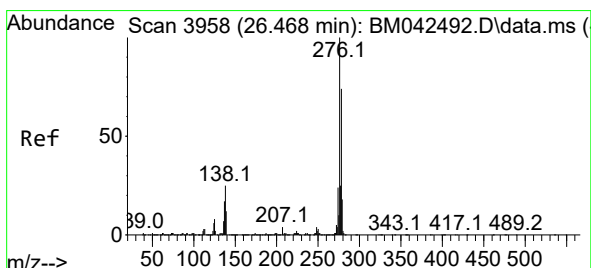
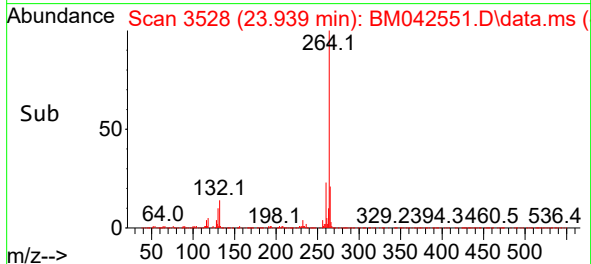
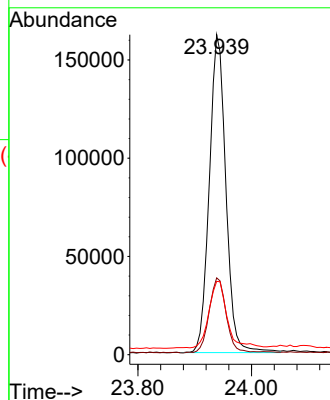
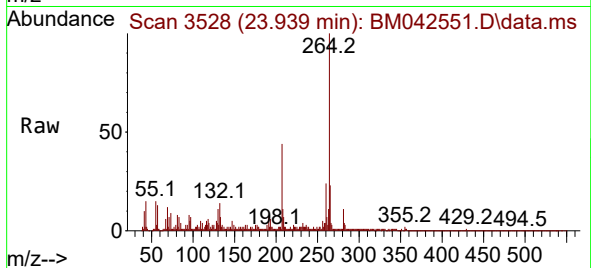
Tgt Ion:264 Resp: 327192

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 22.9 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.966 ng

RT: 26.480 min Scan# 3960

Delta R.T. 0.012 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

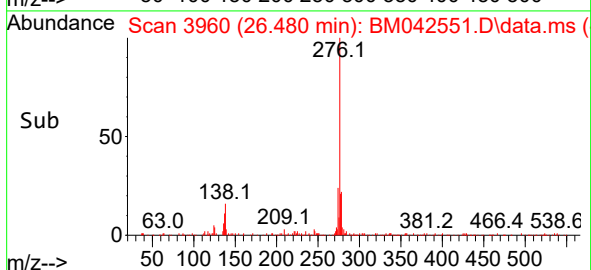
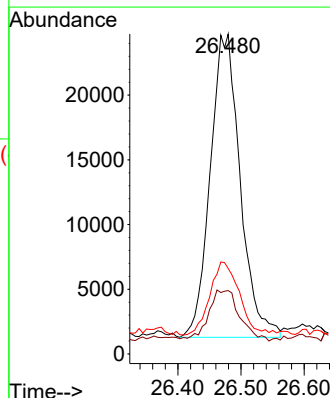
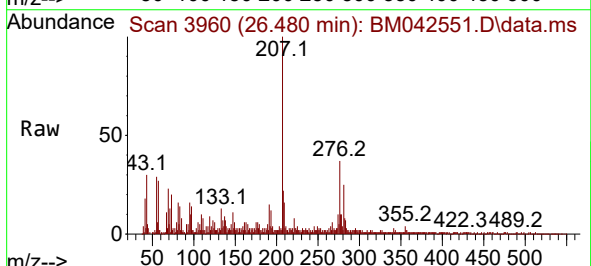
Tgt Ion:276 Resp: 77232

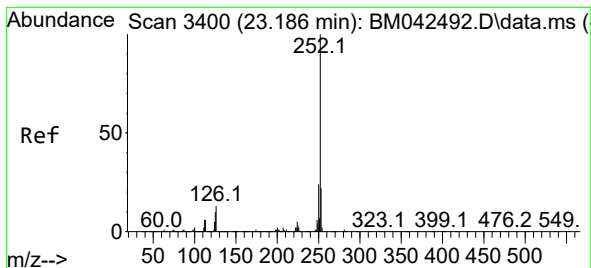
Ion Ratio Lower Upper

276 100

138 17.5 20.6 31.0#

277 23.7 19.5 29.3





#88

Benzo(b)fluoranthene

Concen: 7.744 ng

RT: 23.192 min Scan# 3401

Delta R.T. 0.006 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

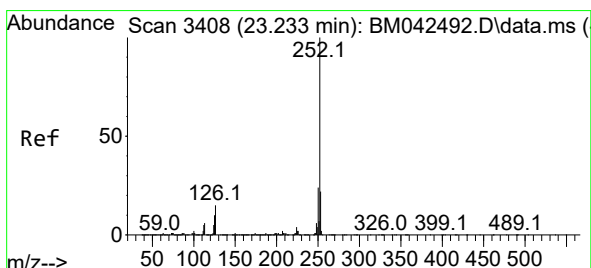
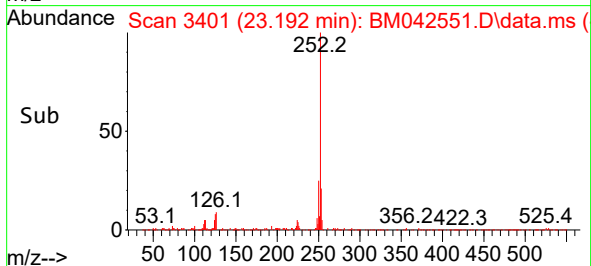
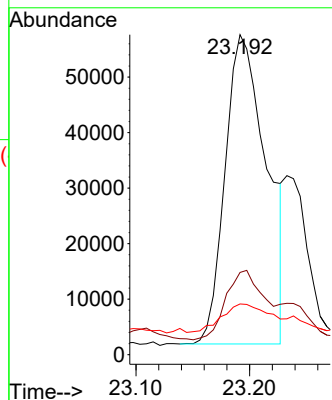
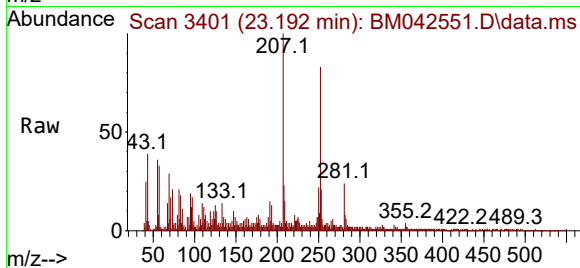
Tgt Ion:252 Resp: 141170

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 15.9 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 6.950 ng

RT: 23.192 min Scan# 3401

Delta R.T. -0.041 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

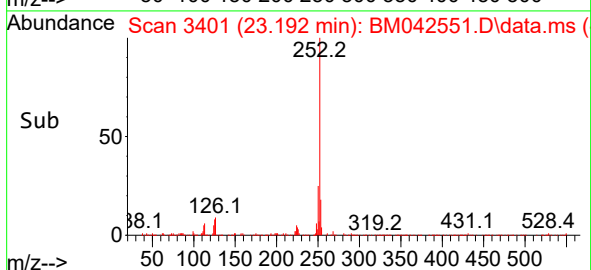
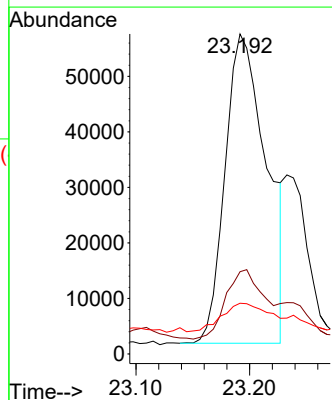
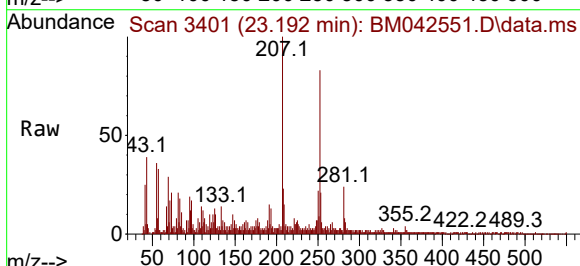
Tgt Ion:252 Resp: 141170

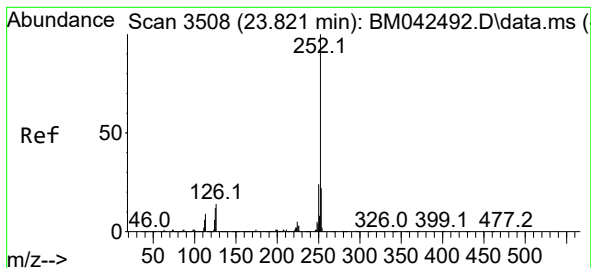
Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 15.9 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 5.643 ng

RT: 23.833 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)

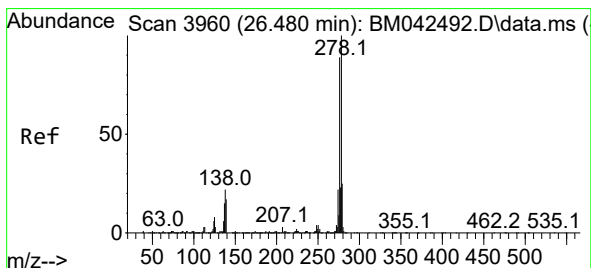
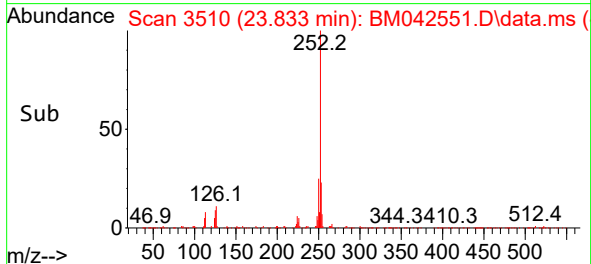
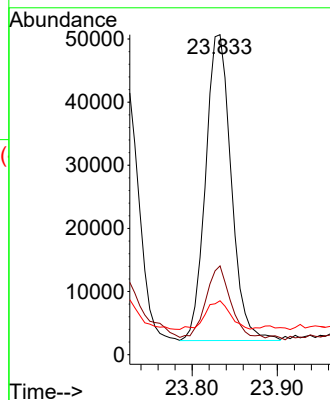
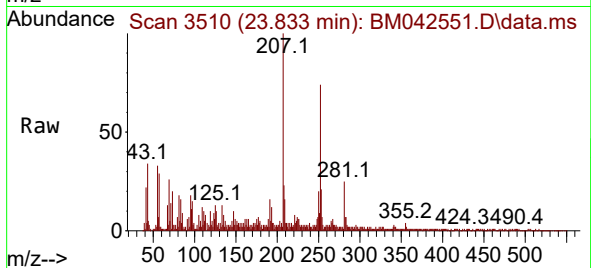
Tgt Ion:252 Resp: 101266

Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

125 16.8 9.4 14.2#



#91

Dibenzo(a,h)anthracene

Concen: 5.327 ng

RT: 26.480 min Scan# 3960

Delta R.T. -0.000 min

Lab File: BM042551.D

Acq: 01 Nov 2023 22:01

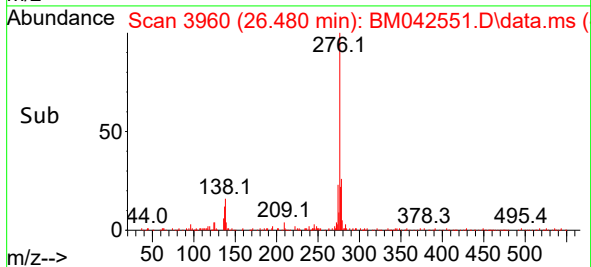
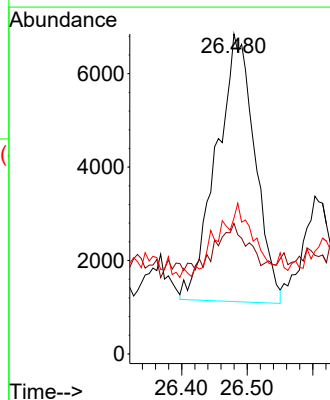
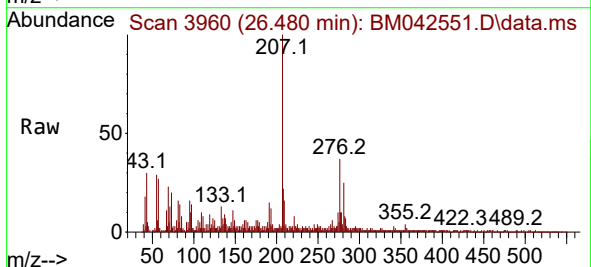
Tgt Ion:278 Resp: 23388

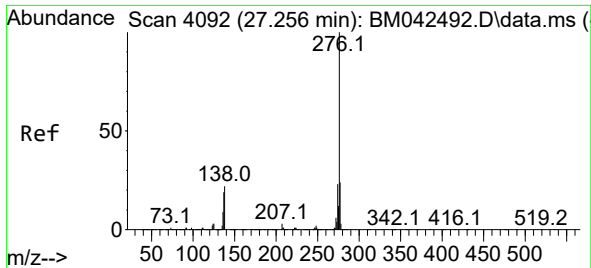
Ion Ratio Lower Upper

278 100

139 40.8 13.4 20.2#

279 42.4 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 5.258 ng

RT: 27.274 min Scan# 4095

Delta R.T. 0.018 min

Lab File: BM042551.D

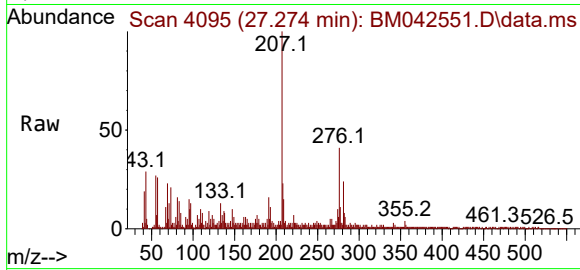
Acq: 01 Nov 2023 22:01

Instrument :

BNA_M

ClientSampleId :

N-1(0-5)



Tgt Ion:276 Resp: 90245

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 18.4 17.3 25.9

