

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042578.D
 Acq On : 03 Nov 2023 19:47
 Operator : MA/JU
 Sample : 05215-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 600566096

Quant Time: Nov 03 22:40:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

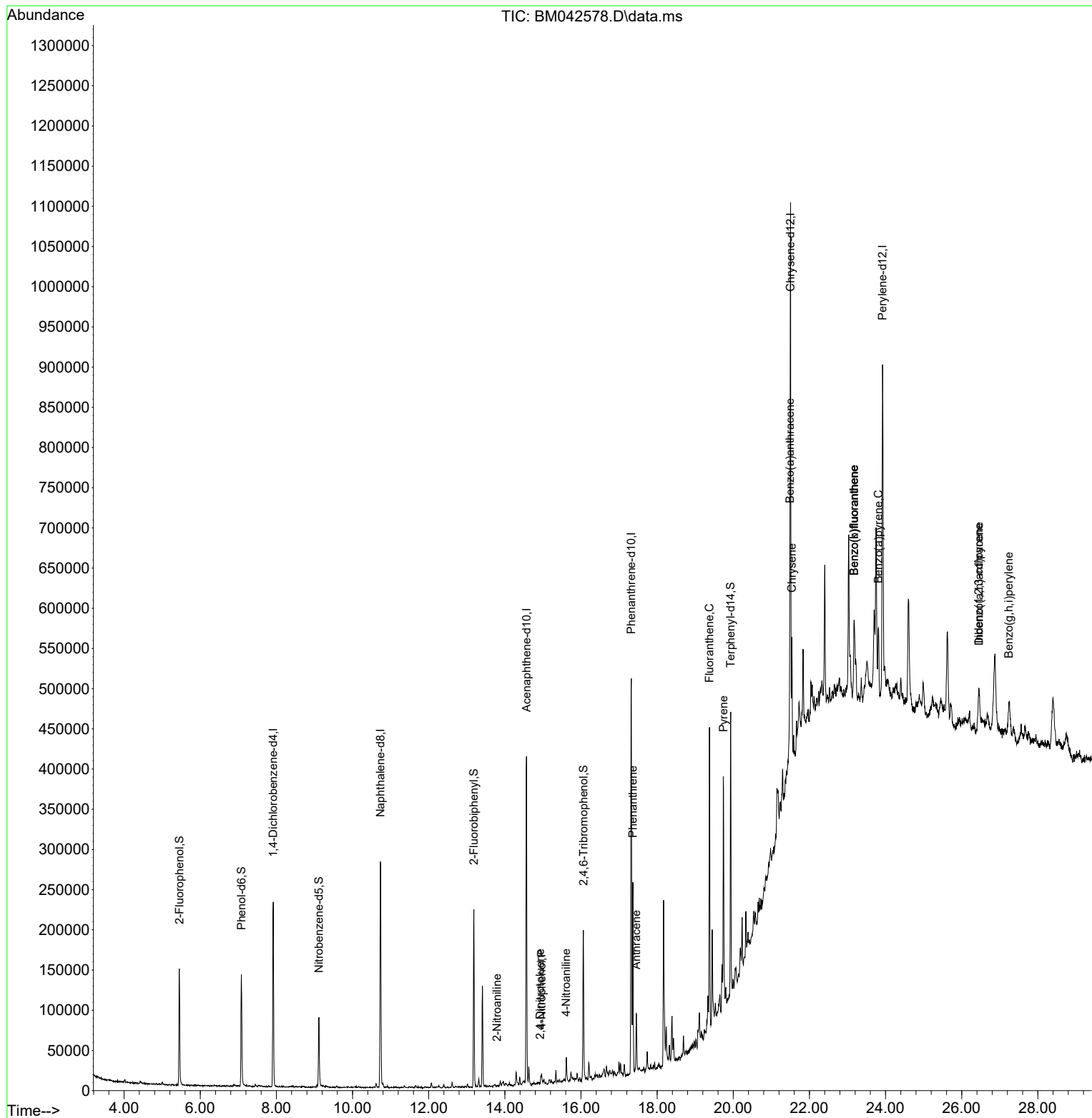
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	53568	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	204609	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	126785	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	280440	20.000	ng	# 0.00
76) Chrysene-d12	21.503	240	276403	20.000	ng	0.00
86) Perylene-d12	23.921	264	303788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	55515	16.725	ng	0.01
7) Phenol-d6	7.081	99	70883	15.571	ng	0.00
23) Nitrobenzene-d5	9.116	82	51872	11.818	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	28861	17.436	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	100938	10.713	ng	0.00
79) Terphenyl-d14	19.933	244	157245	9.646	ng	0.00
Target Compounds						
						Qvalue
48) 2-Nitroaniline	13.792	65	119	4.388	ng	# 13
56) 4-Nitrophenol	14.963	139	2661	8.323	ng	# 12
57) 2,4-Dinitrotoluene	14.927	165	131	4.012	ng	# 5
62) 4-Nitroaniline	15.610	138	59	5.766	ng	# 12
71) Phenanthrene	17.363	178	126605	8.639	ng	99
72) Anthracene	17.451	178	44974	3.098	ng	96
75) Fluoranthene	19.374	202	199562	11.592	ng	98
78) Pyrene	19.739	202	167846	8.843	ng	97
81) Benzo(a)anthracene	21.486	228	88683	5.043	ng	97
83) Chrysene	21.539	228	75226	4.211	ng	95
87) Indeno(1,2,3-cd)pyrene	26.450	276	42576	2.355	ng	# 91
88) Benzo(b)fluoranthene	23.174	252	93843	5.545	ng	# 92
89) Benzo(k)fluoranthene	23.174	252	93843	4.976	ng	# 92
90) Benzo(a)pyrene	23.809	252	66555	3.994	ng	# 91
91) Dibenzo(a,h)anthracene	26.456	278	10938	4.737	ng	# 50
92) Benzo(g,h,i)perylene	27.238	276	42504	2.667	ng	95

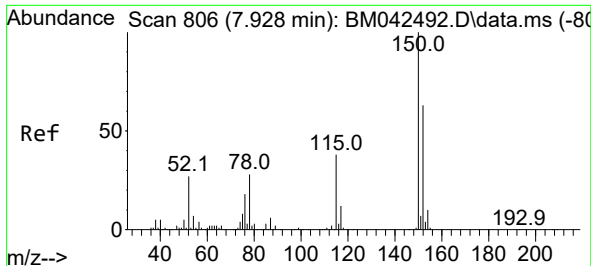
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042578.D
Acq On : 03 Nov 2023 19:47
Operator : MA/JU
Sample : 05215-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
600566096

Quant Time: Nov 03 22:40:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:52:20 2023
Response via : Initial Calibration

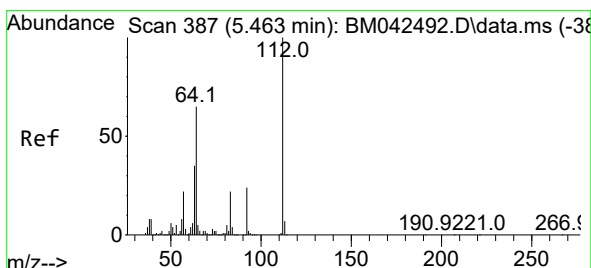
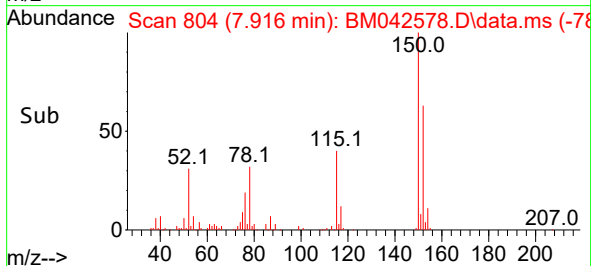
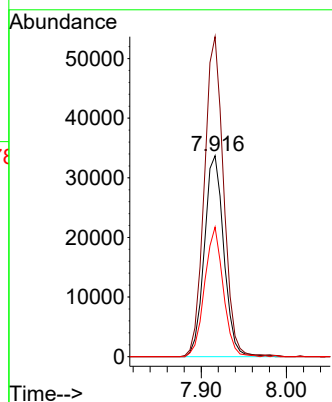
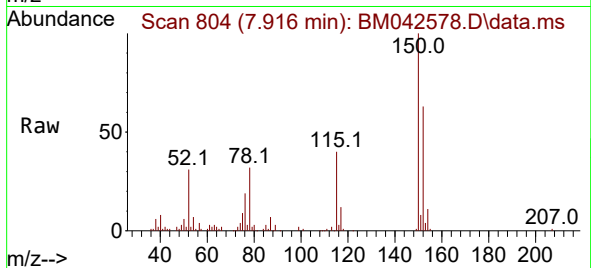




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 804
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

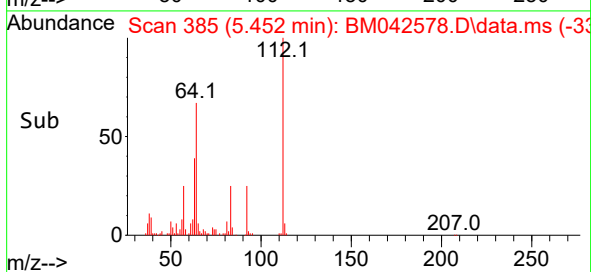
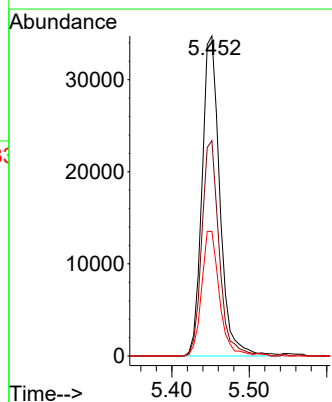
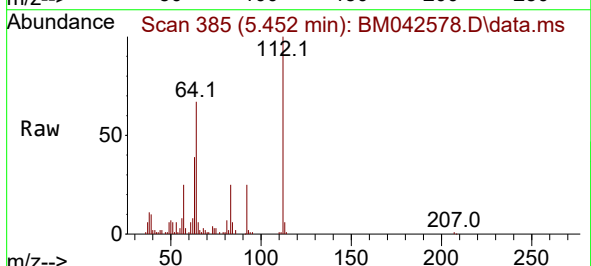
Instrument :
BNA_M
ClientSampleId :
600566096

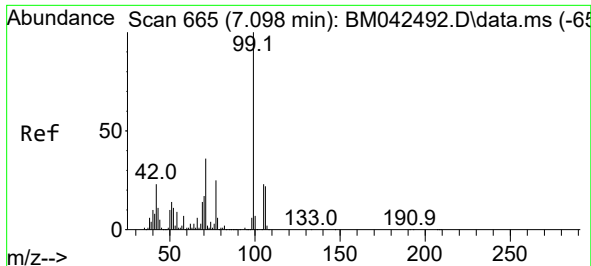
Tgt Ion:152 Resp: 53568
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.0
115 64.5 47.9 71.9



#5
2-Fluorophenol
Concen: 16.725 ng
RT: 5.452 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:112 Resp: 55515
Ion Ratio Lower Upper
112 100
64 67.2 52.1 78.1
63 39.0 28.3 42.5

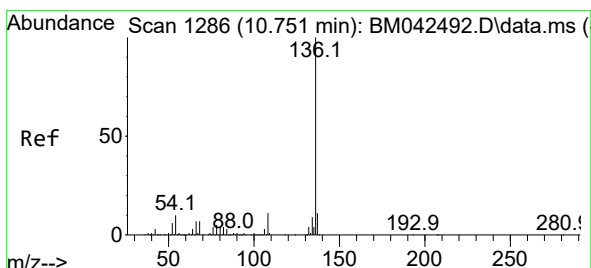
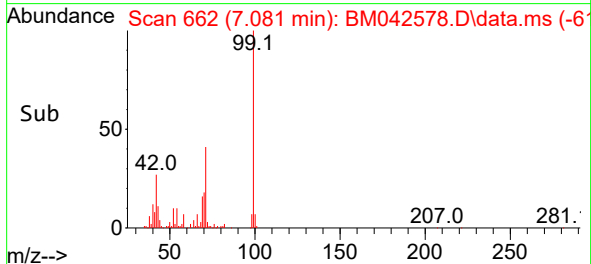
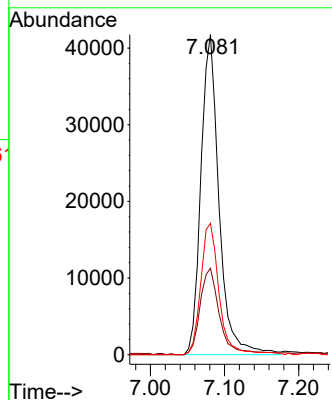
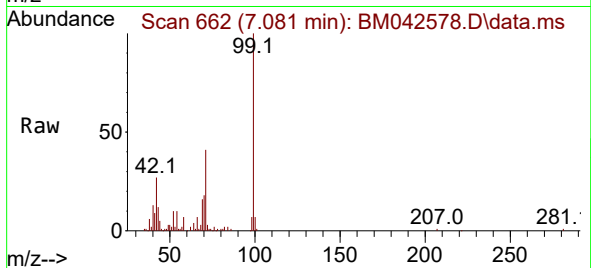




#7
Phenol-d6
Concen: 15.571 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

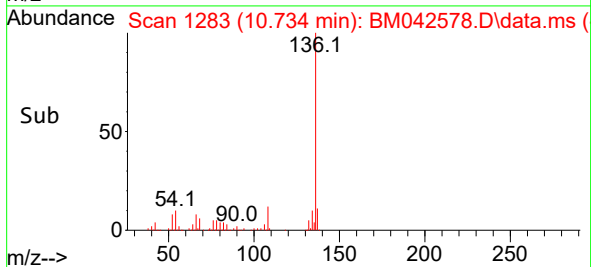
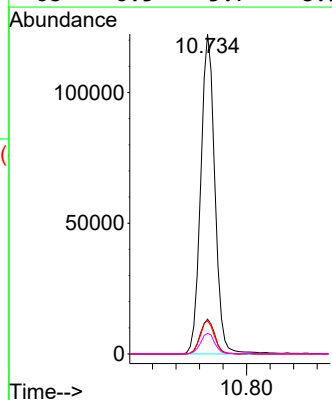
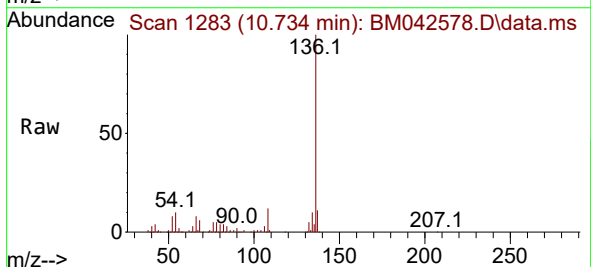
Instrument :
BNA_M
ClientSampleId :
600566096

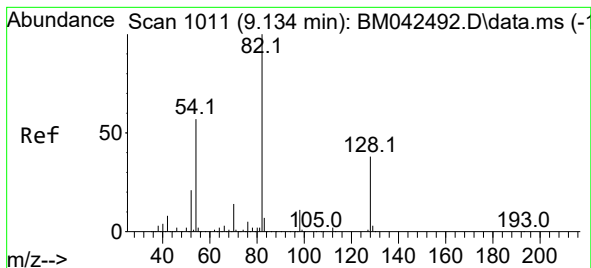
Tgt Ion: 99 Resp: 70883
Ion Ratio Lower Upper
99 100
42 27.0 18.7 28.1
71 41.1 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:136 Resp: 204609
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.4 8.0 12.0
68 6.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 11.818 ng

RT: 9.116 min Scan# 1011

Delta R.T. 0.006 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

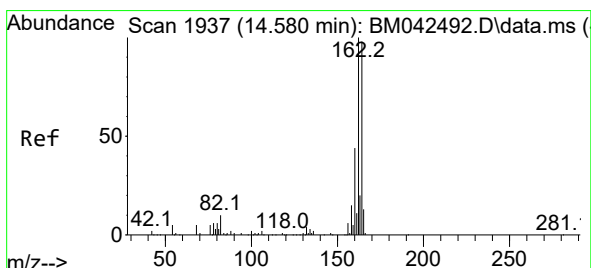
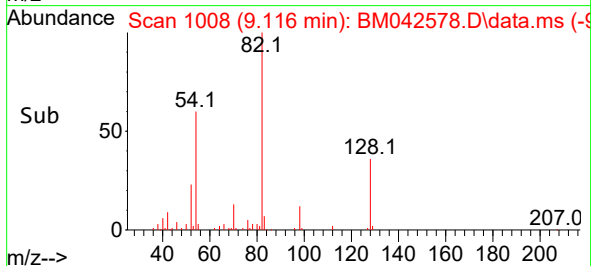
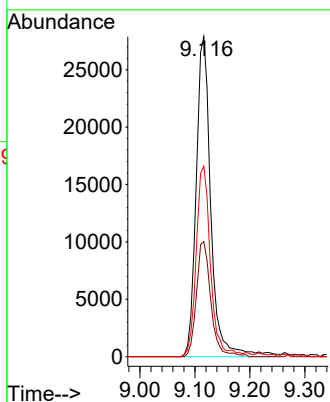
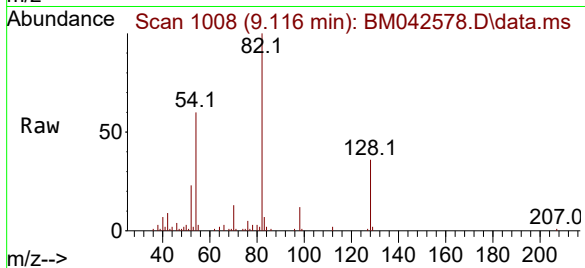
Tgt Ion: 82 Resp: 51872

Ion Ratio Lower Upper

82 100

128 35.9 30.7 46.1

54 59.5 45.3 67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1935

Delta R.T. 0.006 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

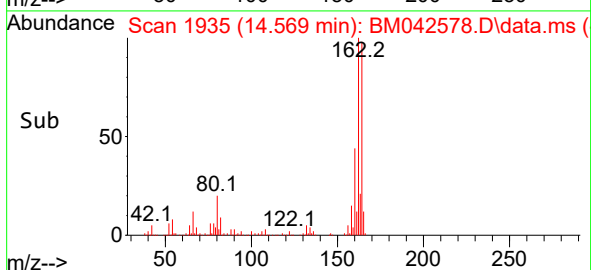
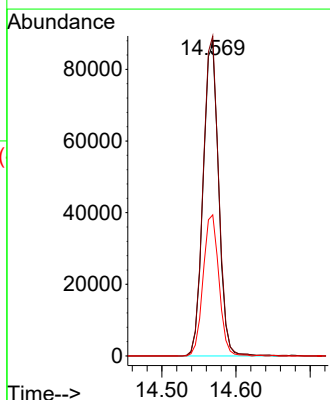
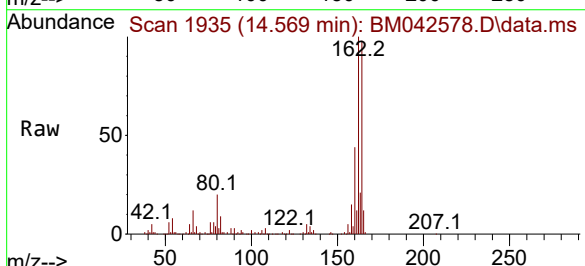
Tgt Ion: 164 Resp: 126785

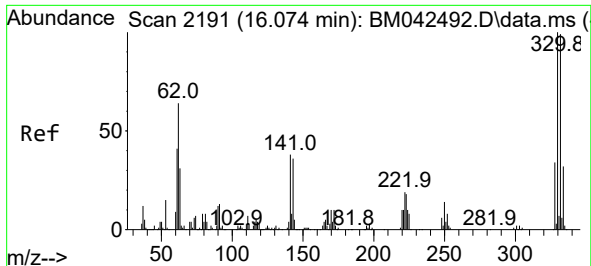
Ion Ratio Lower Upper

164 100

162 102.5 81.6 122.4

160 45.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 17.436 ng

RT: 16.063 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

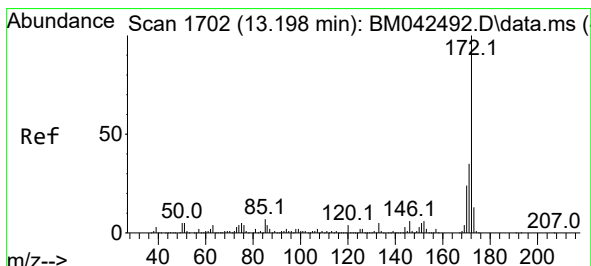
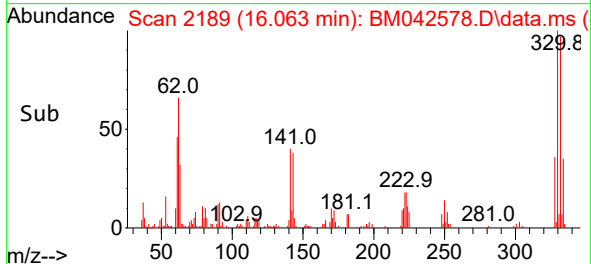
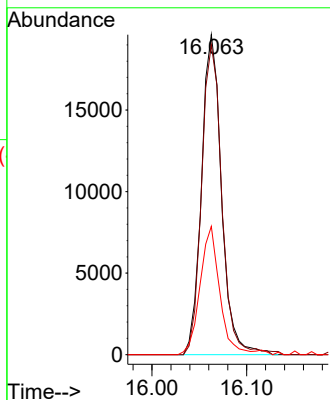
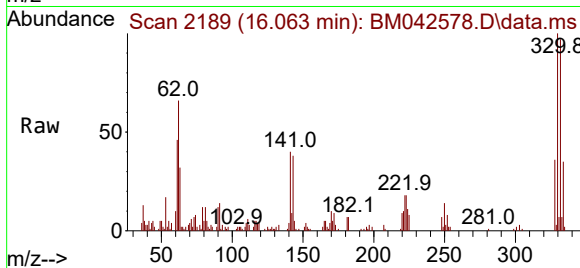
Tgt Ion:330 Resp: 28861

Ion Ratio Lower Upper

330 100

332 97.8 78.8 118.2

141 40.1 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 10.713 ng

RT: 13.186 min Scan# 1700

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

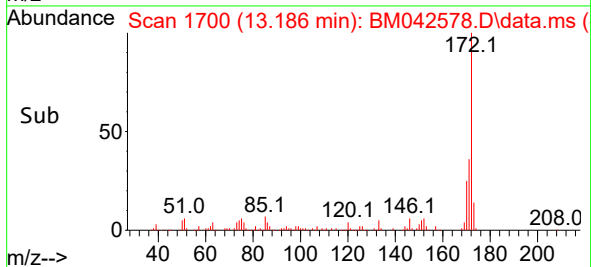
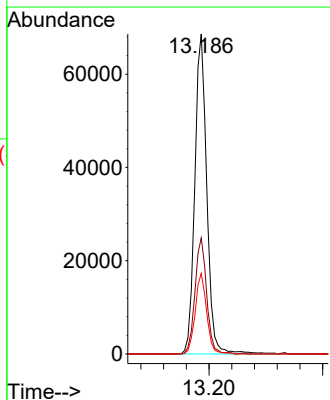
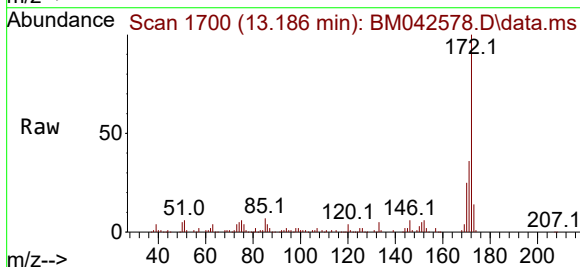
Tgt Ion:172 Resp: 100938

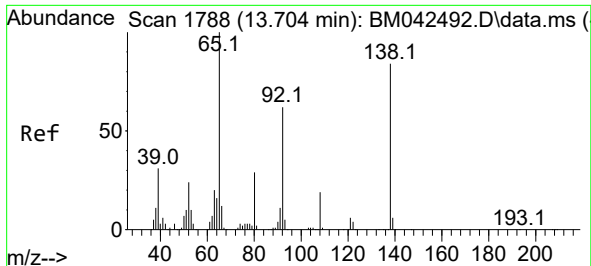
Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.2

170 25.2 19.0 28.4

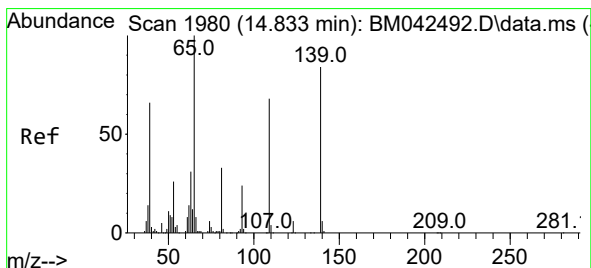
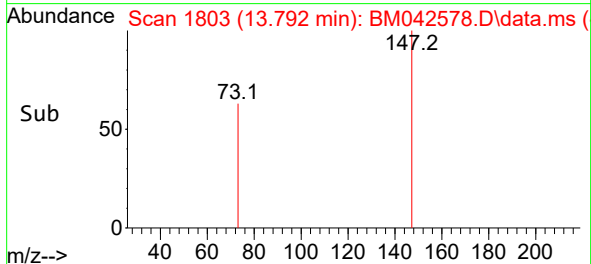
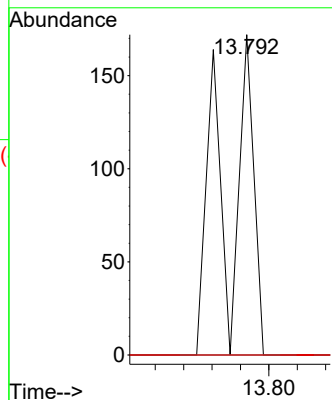
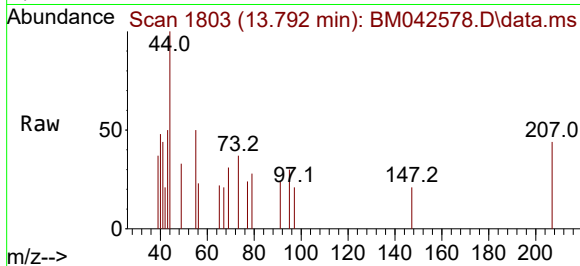




#48
2-Nitroaniline
Concen: 4.388 ng
RT: 13.792 min Scan# 11
Delta R.T. 0.100 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

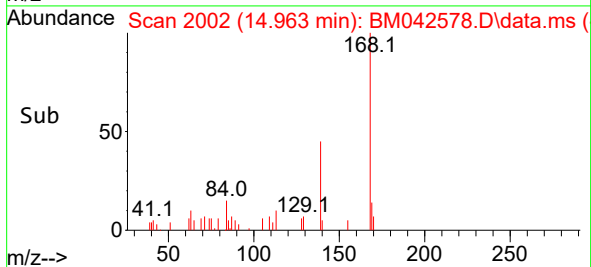
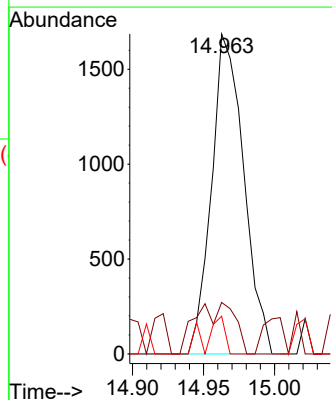
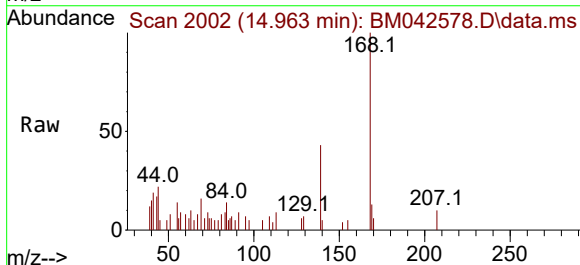
Instrument :
BNA_M
ClientSampleId :
600566096

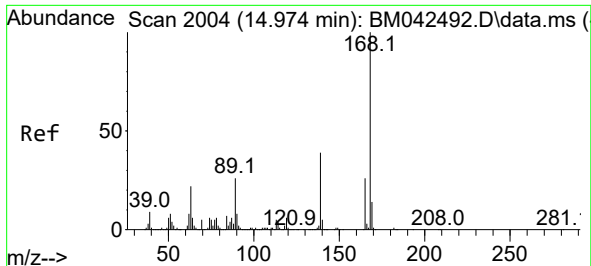
Tgt Ion: 65 Resp: 119
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#



#56
4-Nitrophenol
Concen: 8.323 ng
RT: 14.963 min Scan# 2002
Delta R.T. 0.141 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion: 139 Resp: 2661
Ion Ratio Lower Upper
139 100
109 16.1 61.3 101.3#
65 11.8 100.2 140.2#





#57

2,4-Dinitrotoluene

Concen: 4.012 ng

RT: 14.927 min Scan# 1996

Delta R.T. -0.035 min

Lab File: BM042578.D

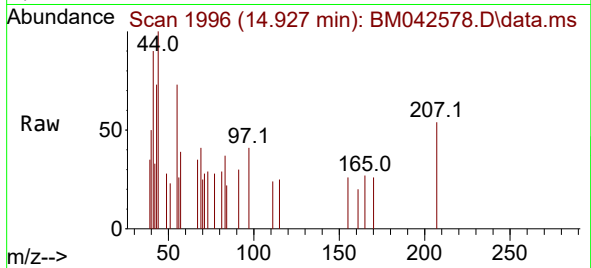
Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096



Tgt Ion:165 Resp: 131

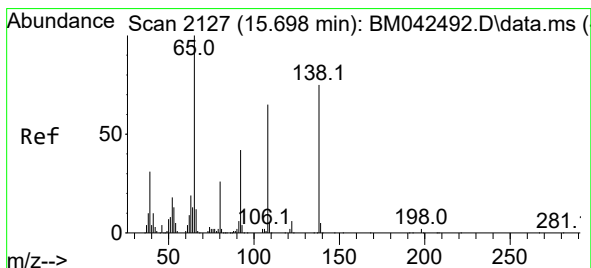
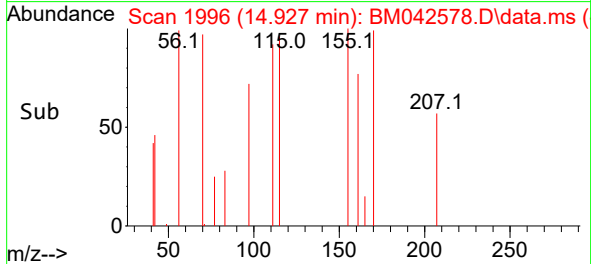
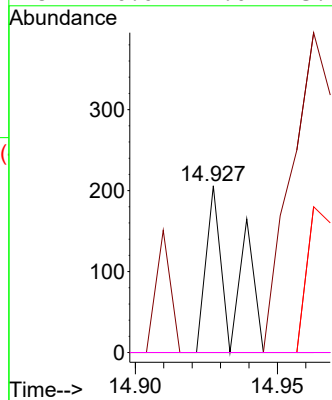
Ion Ratio Lower Upper

165 100

63 0.0 66.7 100.1#

89 0.0 80.2 120.4#

182 0.0 2.0 3.0#



#62

4-Nitroaniline

Concen: 5.766 ng

RT: 15.610 min Scan# 2112

Delta R.T. -0.077 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

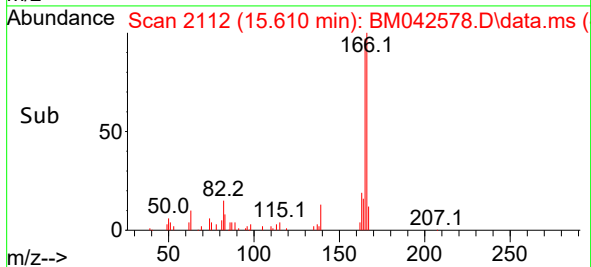
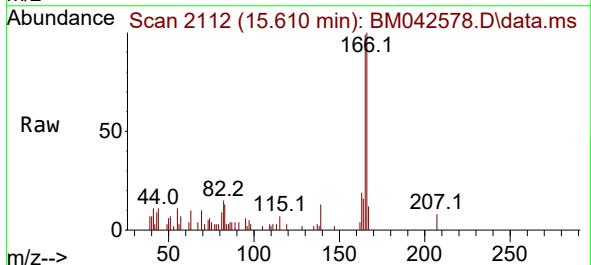
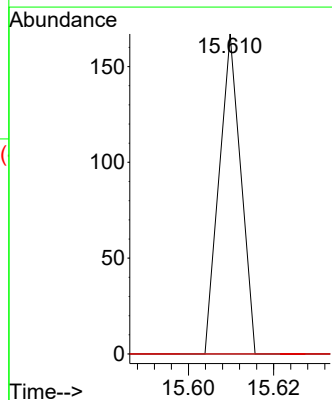
Tgt Ion:138 Resp: 59

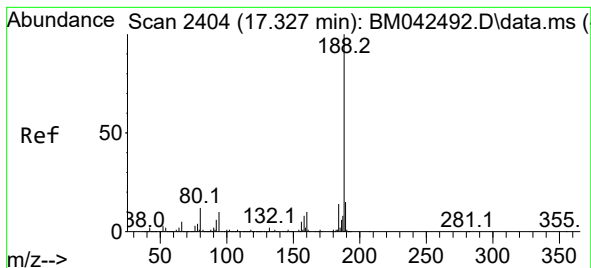
Ion Ratio Lower Upper

138 100

92 0.0 37.0 77.0#

108 0.0 67.2 107.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

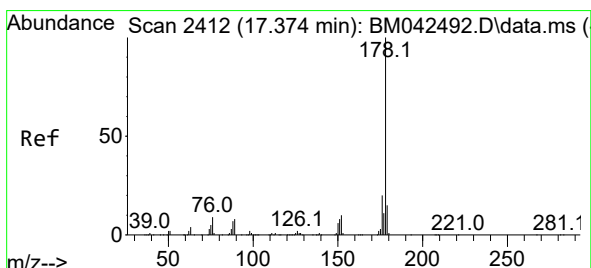
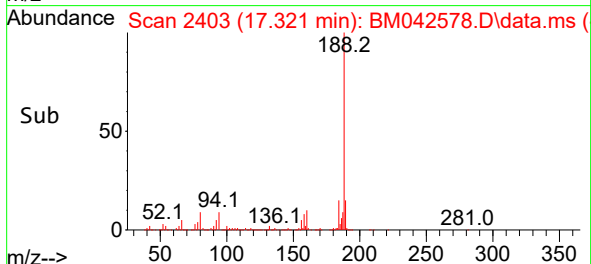
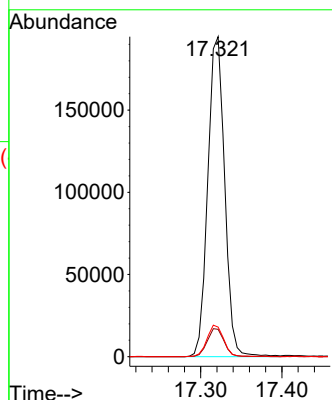
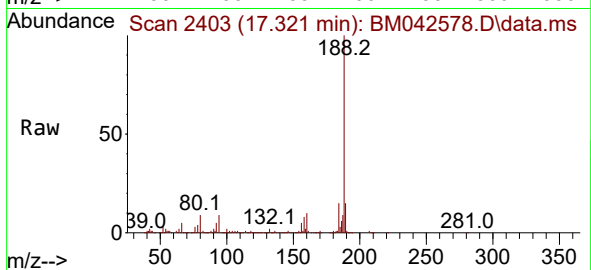
Tgt Ion:188 Resp: 280440

Ion Ratio Lower Upper

188 100

94 8.6 8.2 12.4

80 9.2 9.4 14.2#



#71

Phenanthrene

Concen: 8.639 ng

RT: 17.363 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

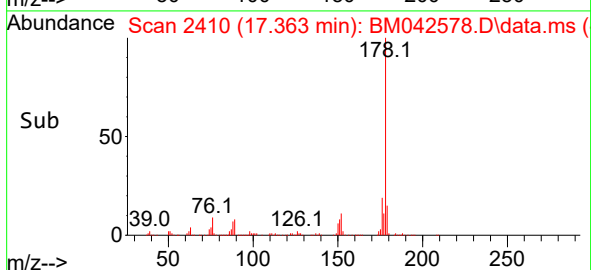
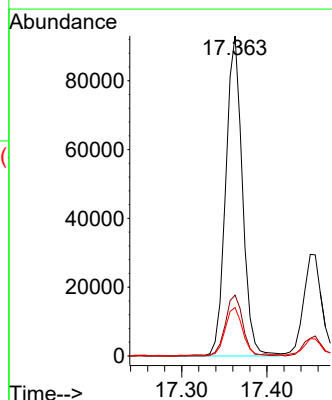
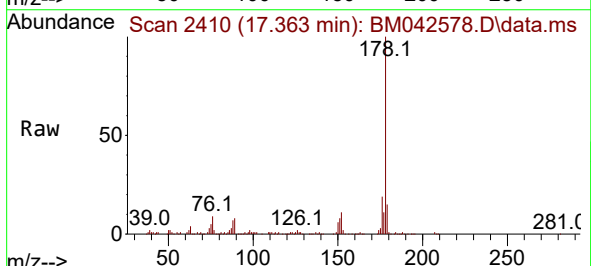
Tgt Ion:178 Resp: 126605

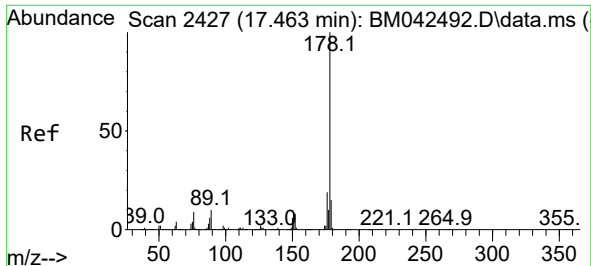
Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.1 12.2 18.4

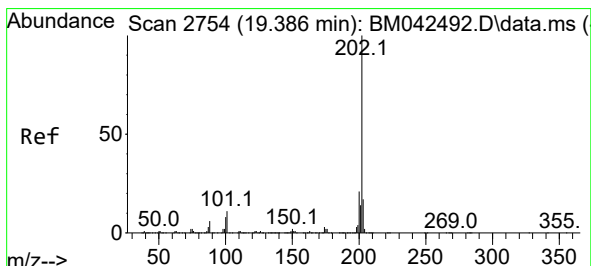
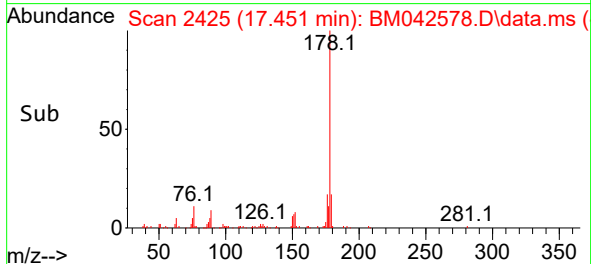
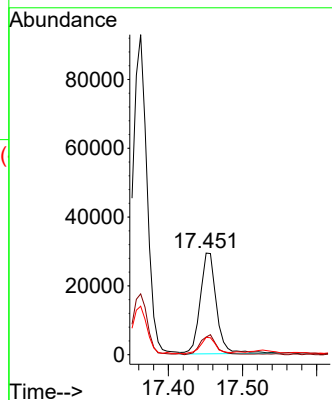
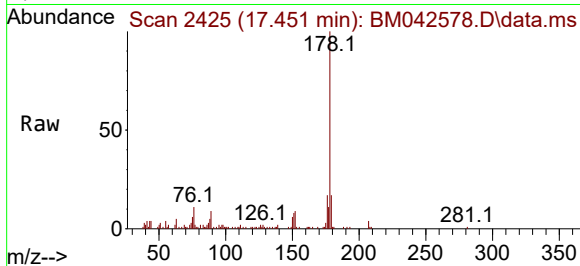




#72
 Anthracene
 Concen: 3.098 ng
 RT: 17.451 min Scan# 2427
 Delta R.T. -0.000 min
 Lab File: BM042578.D
 Acq: 03 Nov 2023 19:47

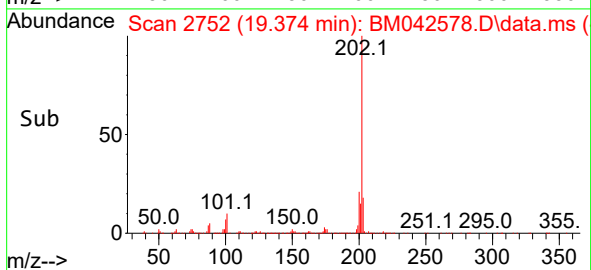
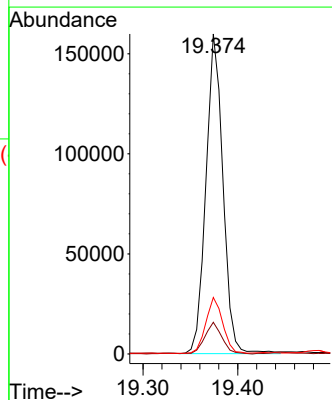
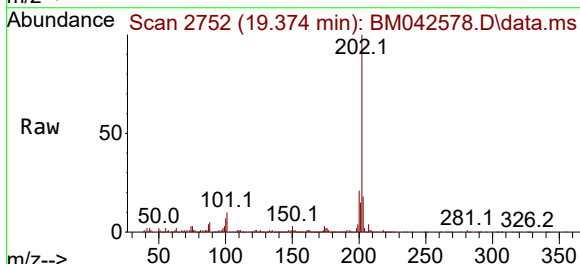
Instrument :
 BNA_M
 ClientSampleId :
 600566096

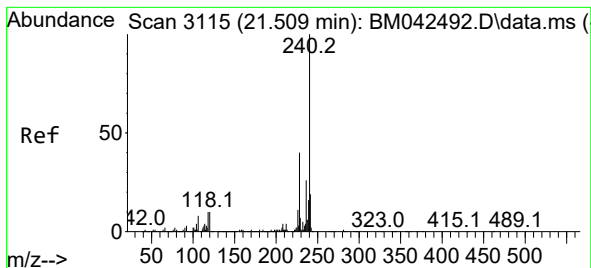
Tgt Ion:178 Resp: 44974
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.2 22.8
 179 17.0 12.3 18.5



#75
 Fluoranthene
 Concen: 11.592 ng
 RT: 19.374 min Scan# 2752
 Delta R.T. -0.000 min
 Lab File: BM042578.D
 Acq: 03 Nov 2023 19:47

Tgt Ion:202 Resp: 199562
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.5
 203 17.7 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

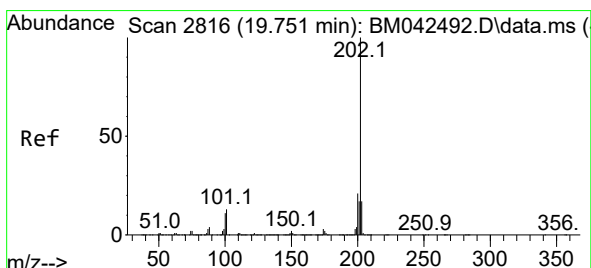
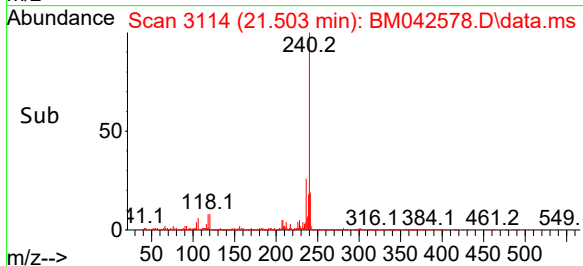
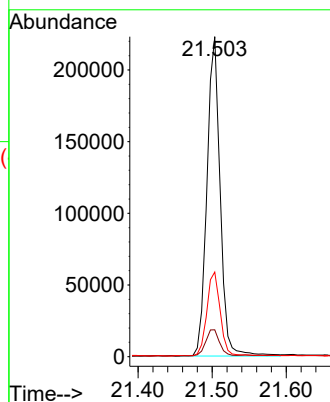
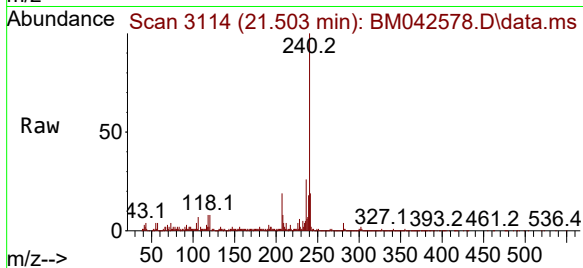
Tgt Ion:240 Resp: 276403

Ion Ratio Lower Upper

240 100

120 8.4 8.3 12.5

236 26.5 20.8 31.2



#78

Pyrene

Concen: 8.843 ng

RT: 19.739 min Scan# 2814

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

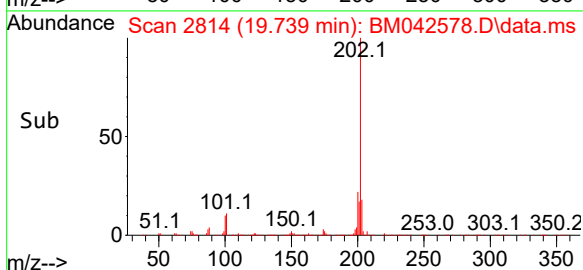
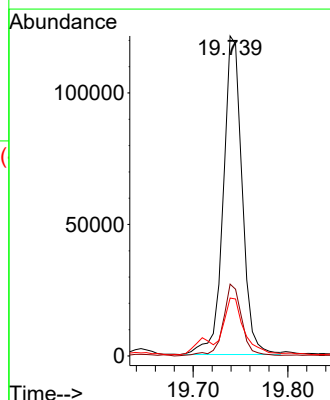
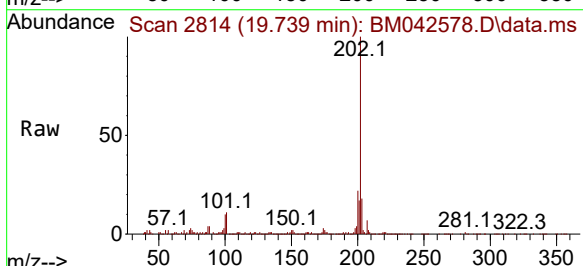
Tgt Ion:202 Resp: 167846

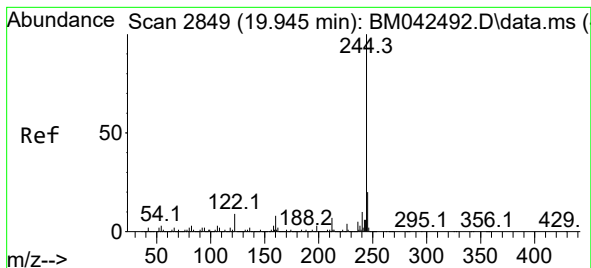
Ion Ratio Lower Upper

202 100

200 22.5 16.9 25.3

203 18.1 13.7 20.5





#79

Terphenyl-d14

Concen: 9.646 ng

RT: 19.933 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

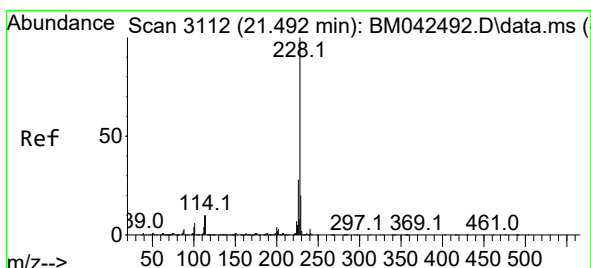
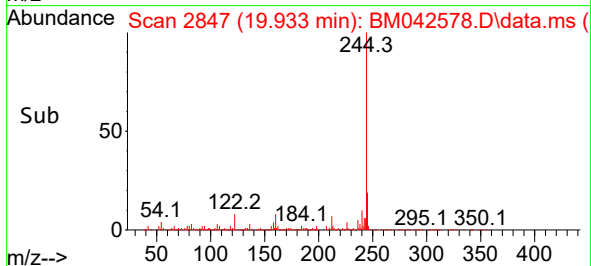
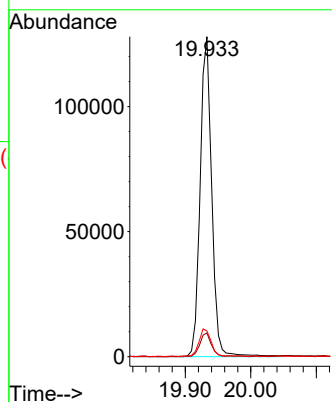
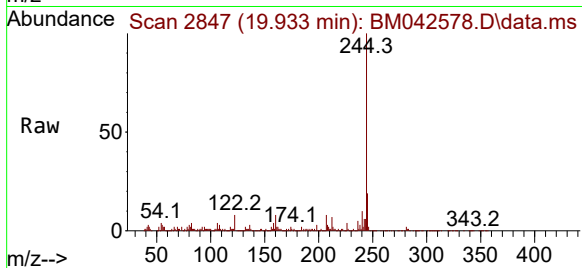
Tgt Ion:244 Resp: 157245

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 8.0 7.2 10.8



#81

Benzo(a)anthracene

Concen: 5.043 ng

RT: 21.486 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

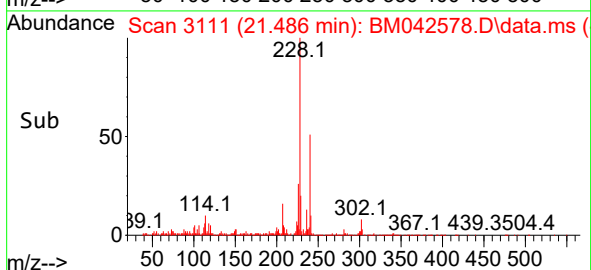
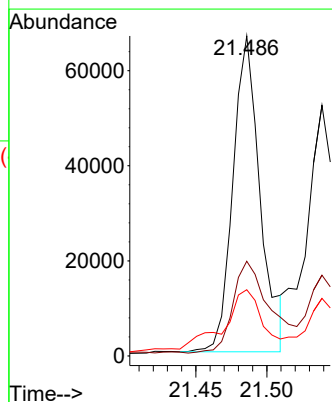
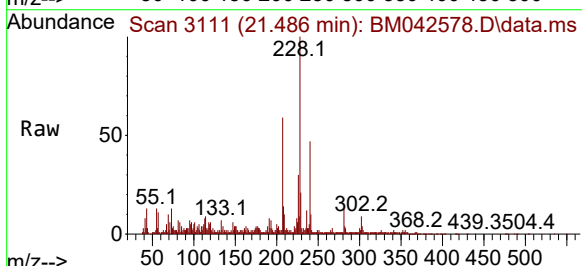
Tgt Ion:228 Resp: 88683

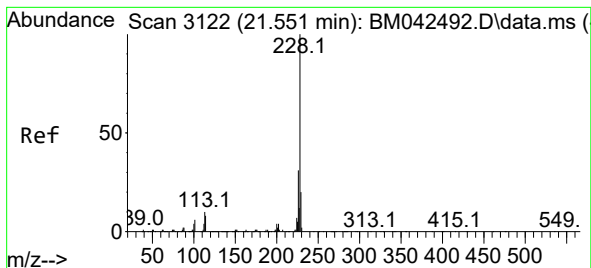
Ion Ratio Lower Upper

228 100

226 29.6 22.3 33.5

229 20.7 15.8 23.8





#83

Chrysene

Concen: 4.211 ng

RT: 21.539 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

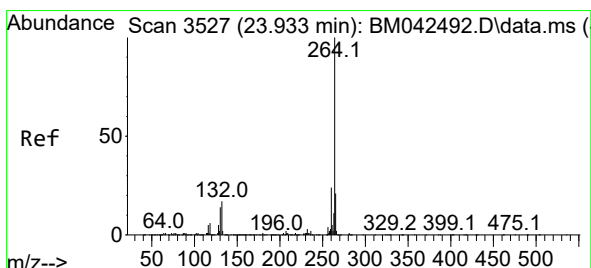
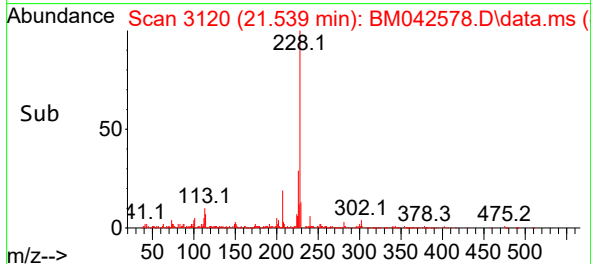
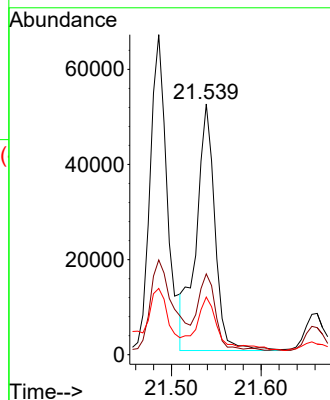
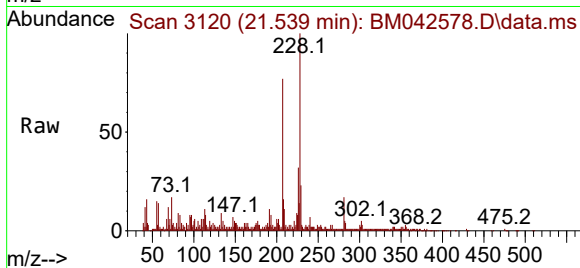
Tgt Ion:228 Resp: 75226

Ion Ratio Lower Upper

228 100

226 32.2 24.4 36.6

229 23.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3525

Delta R.T. 0.006 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

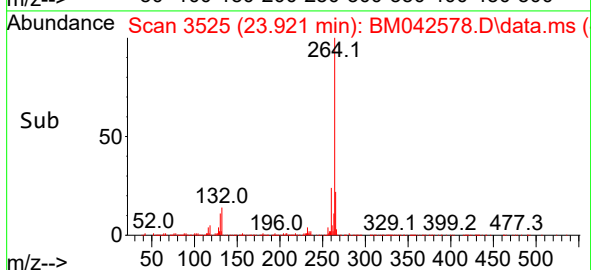
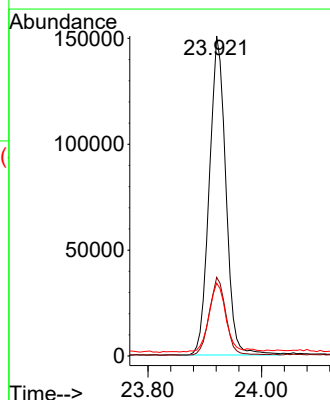
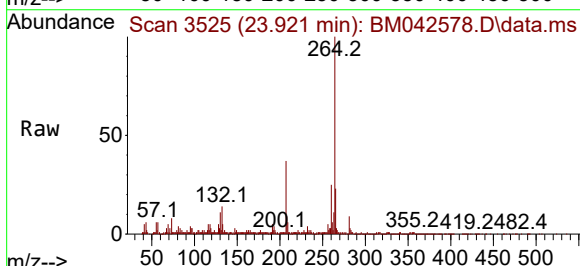
Tgt Ion:264 Resp: 303788

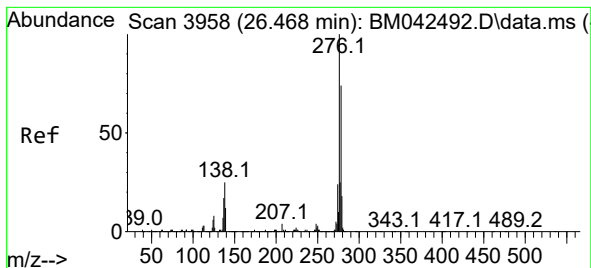
Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 22.8 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.355 ng

RT: 26.450 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

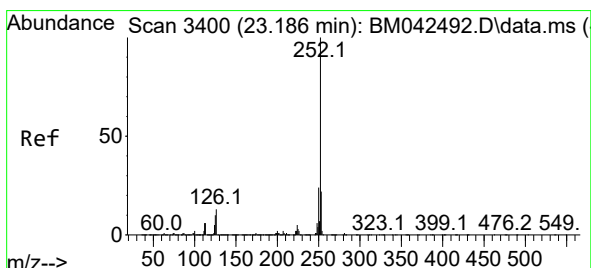
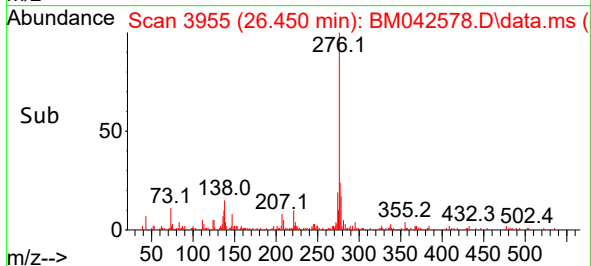
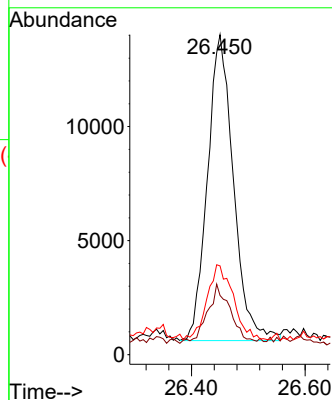
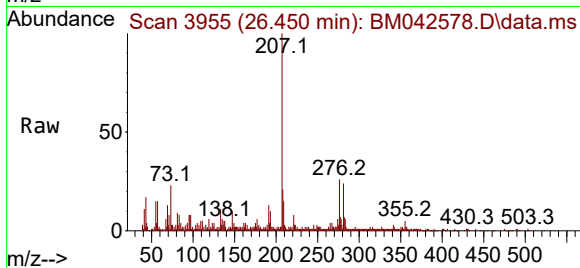
Tgt Ion:276 Resp: 42576

Ion Ratio Lower Upper

276 100

138 17.1 20.6 31.0#

277 24.6 19.5 29.3



#88

Benzo(b)fluoranthene

Concen: 5.545 ng

RT: 23.174 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

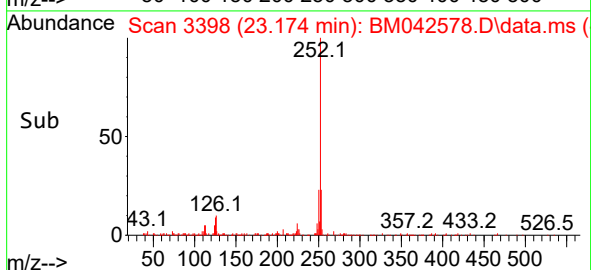
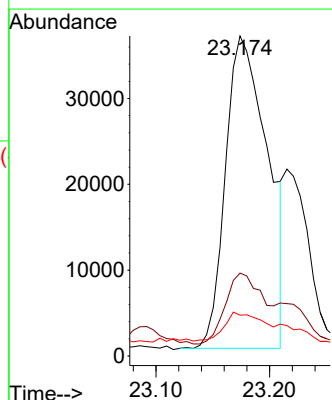
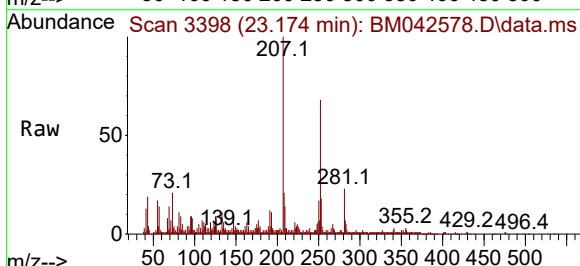
Tgt Ion:252 Resp: 93843

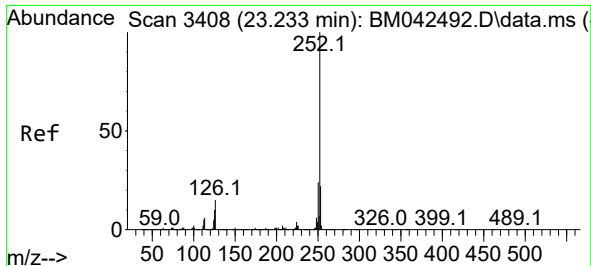
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 12.7 7.8 11.6#

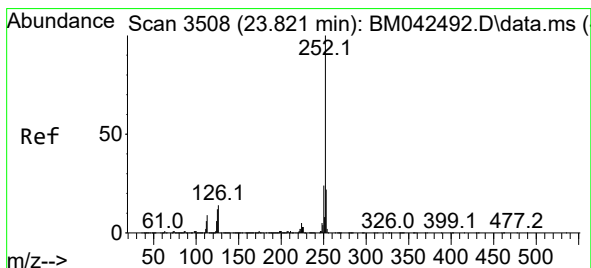
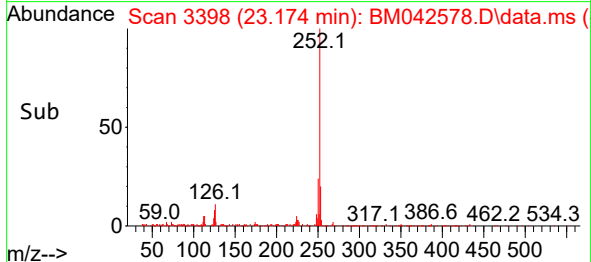
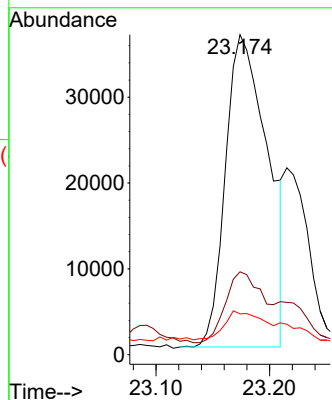
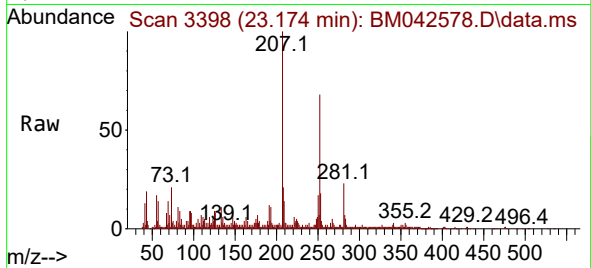




#89
Benzo(k)fluoranthene
Concen: 4.976 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

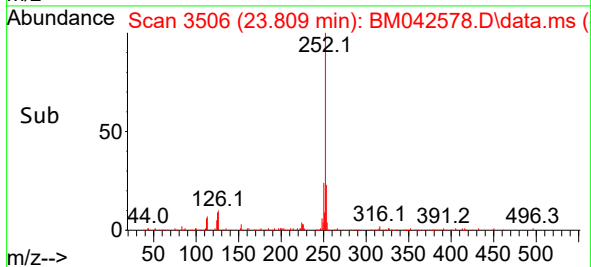
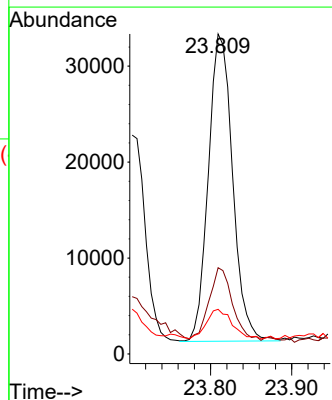
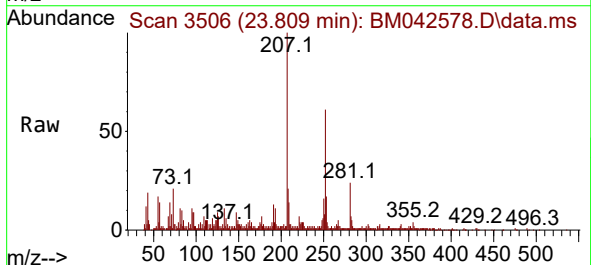
Instrument :
BNA_M
ClientSampleId :
600566096

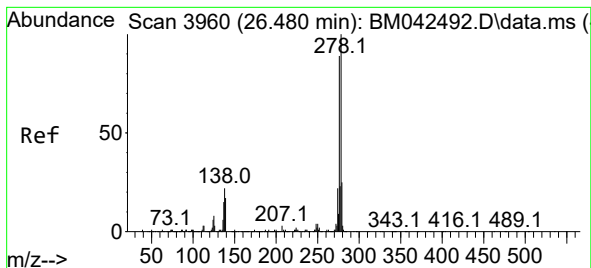
Tgt Ion:252 Resp: 93843
Ion Ratio Lower Upper
252 100
253 25.9 17.6 26.4
125 12.7 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 3.994 ng
RT: 23.809 min Scan# 3506
Delta R.T. -0.000 min
Lab File: BM042578.D
Acq: 03 Nov 2023 19:47

Tgt Ion:252 Resp: 66555
Ion Ratio Lower Upper
252 100
253 26.9 17.5 26.3#
125 13.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 4.737 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Instrument :

BNA_M

ClientSampleId :

600566096

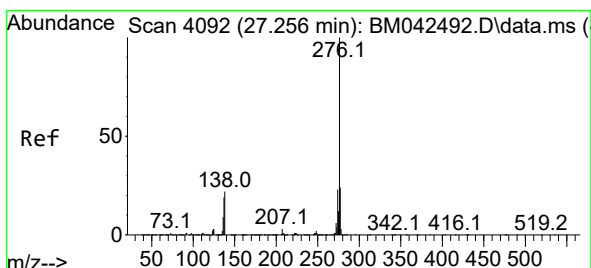
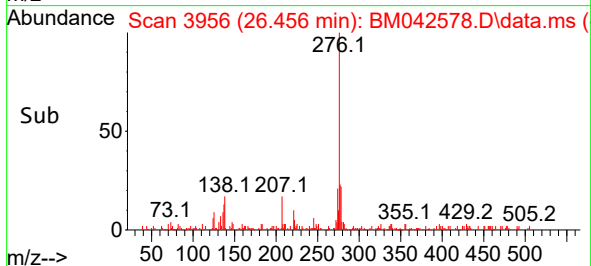
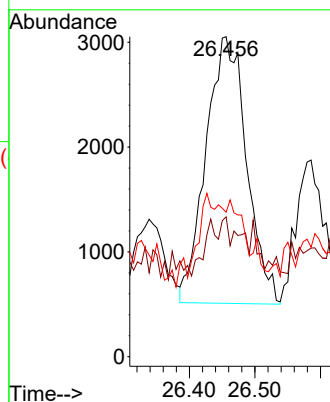
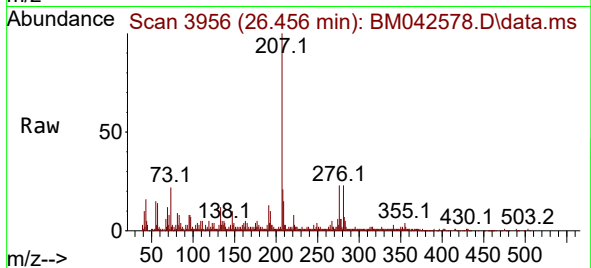
Tgt Ion:278 Resp: 10938

Ion Ratio Lower Upper

278 100

139 43.7 13.4 20.2#

279 45.2 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 2.667 ng

RT: 27.238 min Scan# 4089

Delta R.T. -0.006 min

Lab File: BM042578.D

Acq: 03 Nov 2023 19:47

Tgt Ion:276 Resp: 42504

Ion Ratio Lower Upper

276 100

277 26.2 19.2 28.8

138 18.9 17.3 25.9

