

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042582.D
 Acq On : 03 Nov 2023 22:12
 Operator : MA/JU
 Sample : 04938-09DL2 400X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-5(0-2)DL2

Quant Time: Nov 03 23:26:54 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)

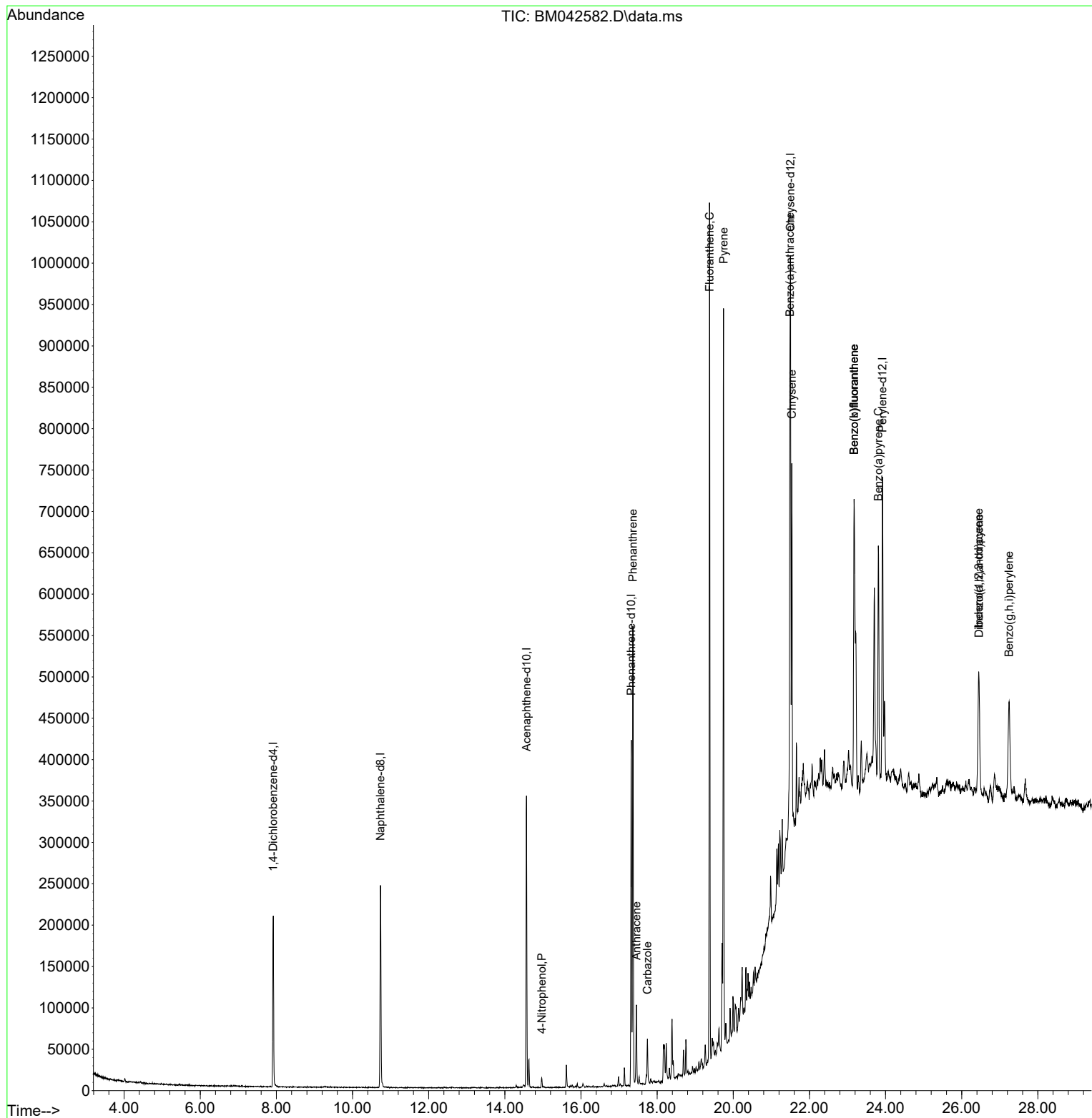
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	49181	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	180709	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	110408	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	236014	20.000	ng	0.00
76) Chrysene-d12	21.503	240	242343	20.000	ng	# 0.00
86) Perylene-d12	23.921	264	272514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	366	0.120	ng	0.02
7) Phenol-d6	7.098	99	213	0.051	ng	0.02
23) Nitrobenzene-d5	9.122	82	60	0.015	ng	0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	13.186	172	683	0.083	ng	0.00
79) Terphenyl-d14	19.927	244	1794	0.126	ng	0.00
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.968	139	2902	8.668	ng	# 1
71) Phenanthrene	17.362	178	294629	23.888	ng	99
72) Anthracene	17.456	178	56359	4.613	ng	99
73) Carbazole	17.745	167	34014	3.422	ng	98
75) Fluoranthene	19.380	202	605035	41.760	ng	98
78) Pyrene	19.745	202	513649	30.867	ng	99
81) Benzo(a)anthracene	21.486	228	252933	16.404	ng	98
83) Chrysene	21.539	228	233746	14.924	ng	97
87) Indeno(1,2,3-cd)pyrene	26.450	276	158168	9.752	ng	# 90
88) Benzo(b)fluoranthene	23.174	252	331168	21.813	ng	99
89) Benzo(k)fluoranthene	23.174	252	331168	19.575	ng	98
90) Benzo(a)pyrene	23.809	252	217443	14.547	ng	95
91) Dibenzo(a,h)anthracene	26.456	278	33358	6.174	ng	# 88
92) Benzo(g,h,i)perylene	27.244	276	156583	10.954	ng	95

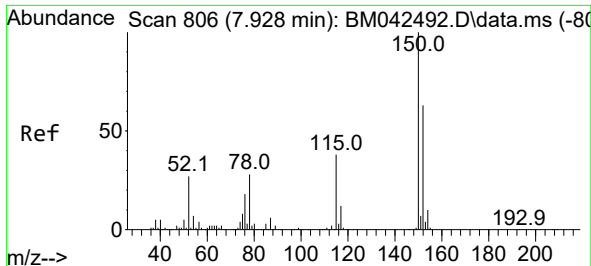
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
Data File : BM042582.D
Acq On : 03 Nov 2023 22:12
Operator : MA/JU
Sample : 04938-09DL2 400X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL2

Quant Time: Nov 03 23:26:54 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

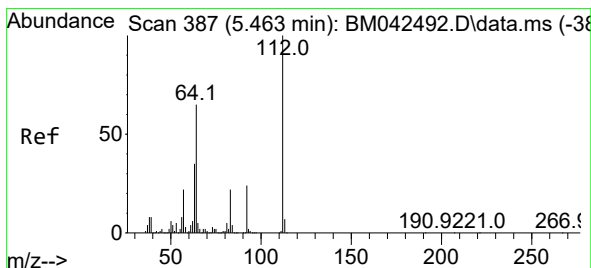
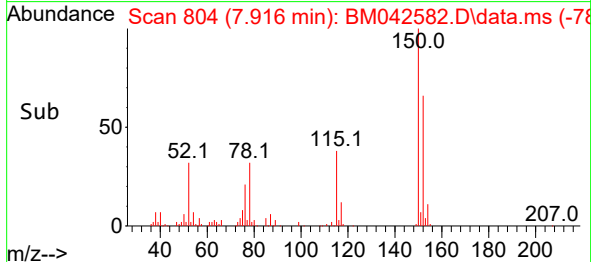
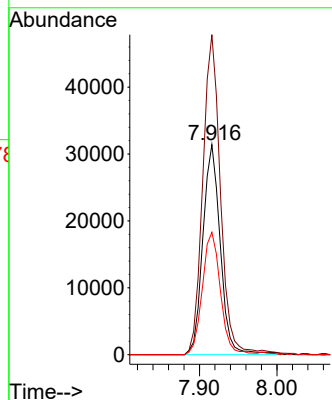
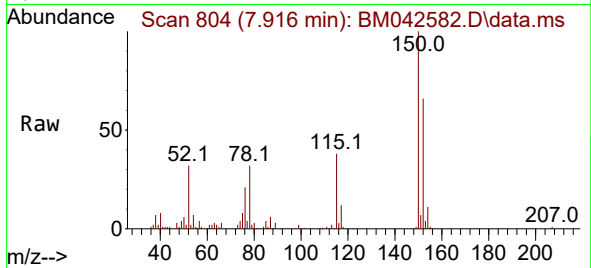




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

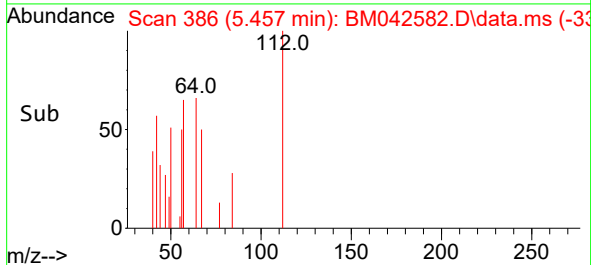
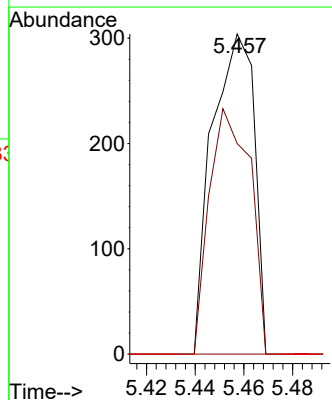
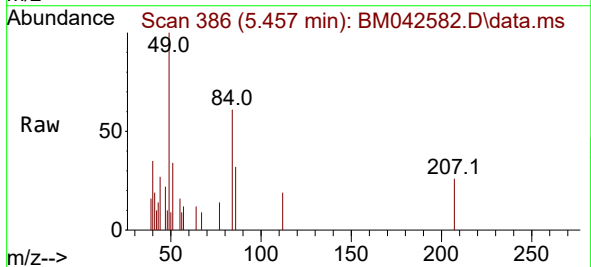
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL2

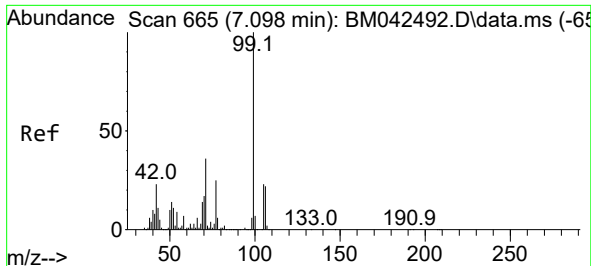
Tgt Ion:152 Resp: 49181
Ion Ratio Lower Upper
152 100
150 152.3 127.4 191.0
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 0.120 ng
RT: 5.457 min Scan# 386
Delta R.T. 0.017 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

Tgt Ion:112 Resp: 366
Ion Ratio Lower Upper
112 100
64 65.8 52.1 78.1
63 0.0 28.3 42.5

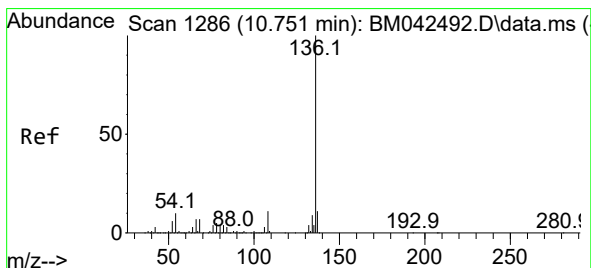
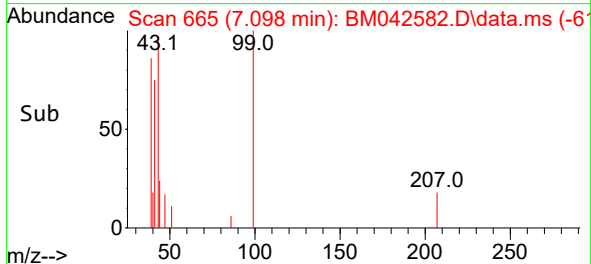
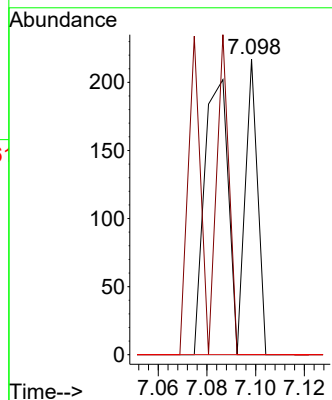
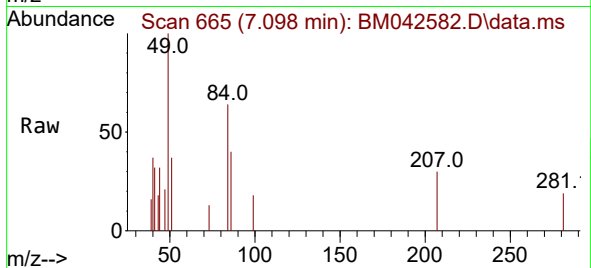




#7
Phenol-d6
Concen: 0.051 ng
RT: 7.098 min Scan# 665
Delta R.T. 0.023 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

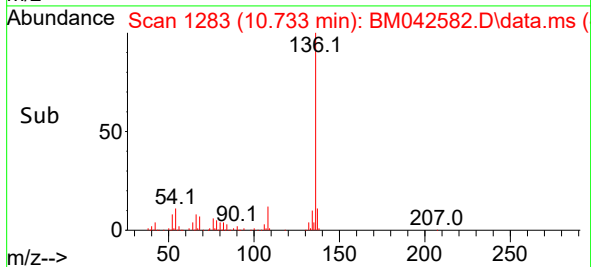
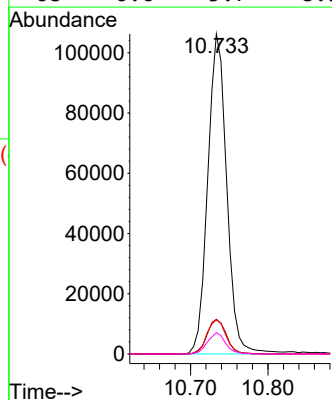
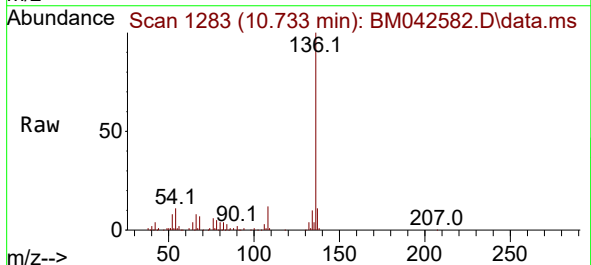
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL2

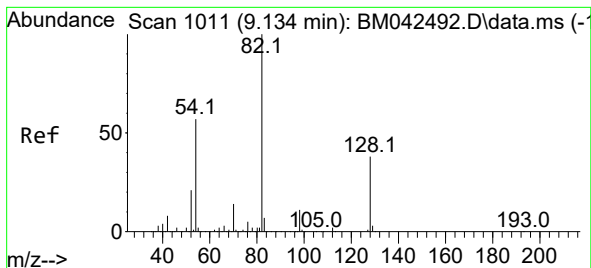
Tgt Ion: 99 Resp: 213
Ion Ratio Lower Upper
99 100
42 0.0 18.7 28.1#
71 0.0 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1283
Delta R.T. 0.005 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

Tgt Ion: 136 Resp: 180709
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.6 8.0 12.0
68 6.6 5.7 8.5





#23

Nitrobenzene-d5

Concen: 0.015 ng

RT: 9.122 min Scan# 1011

Delta R.T. 0.011 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

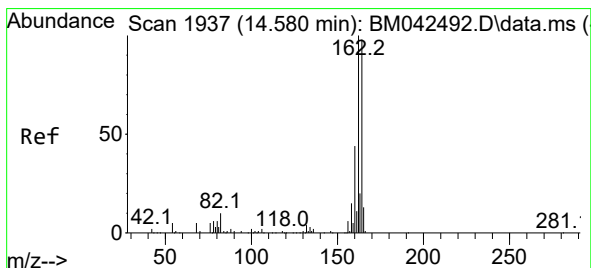
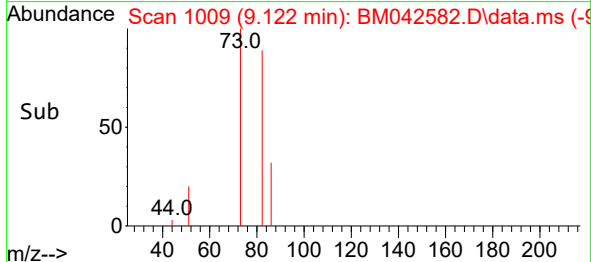
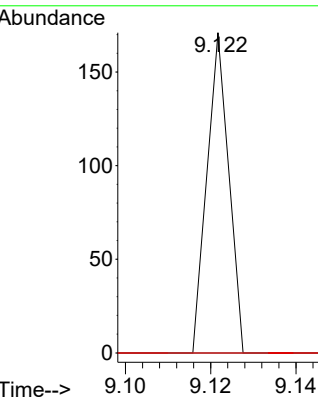
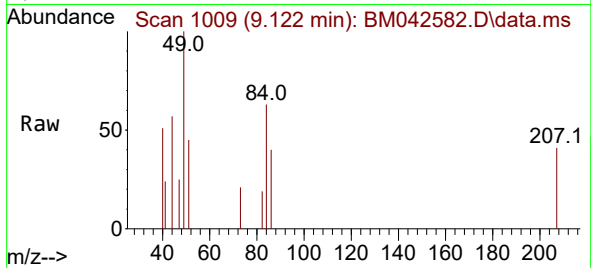
Tgt Ion: 82 Resp: 60

Ion Ratio Lower Upper

82 100

128 0.0 30.7 46.1#

54 0.0 45.3 67.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1935

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

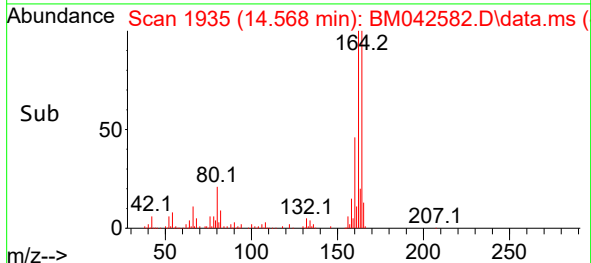
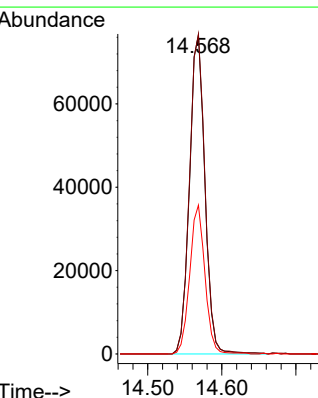
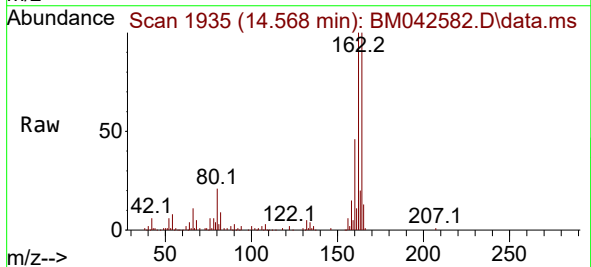
Tgt Ion: 164 Resp: 110408

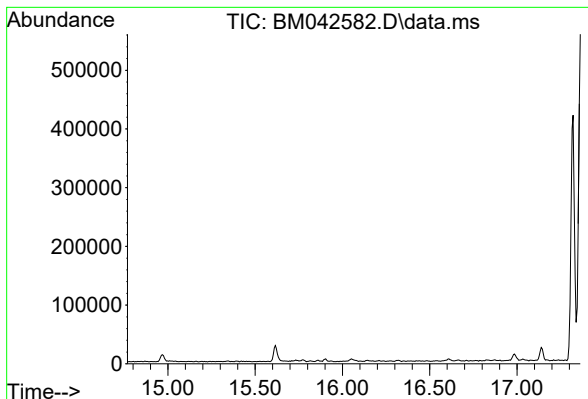
Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 46.6 36.2 54.4

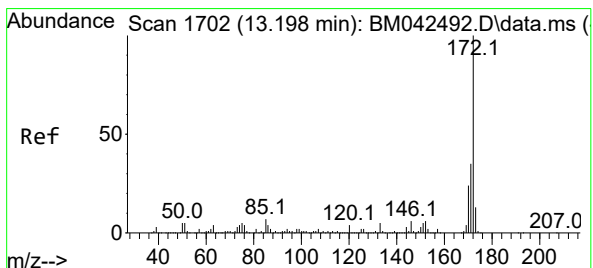
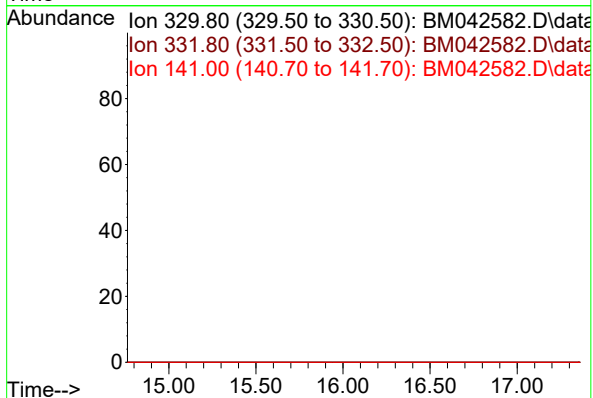




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.06 min
 Lab File: BM042582.D
 Acq: 03 Nov 2023 22:12

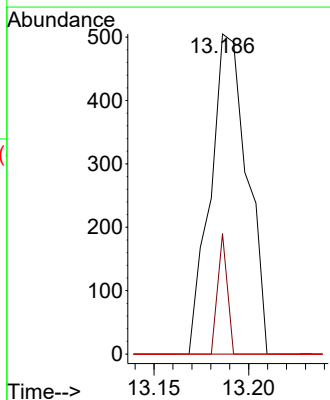
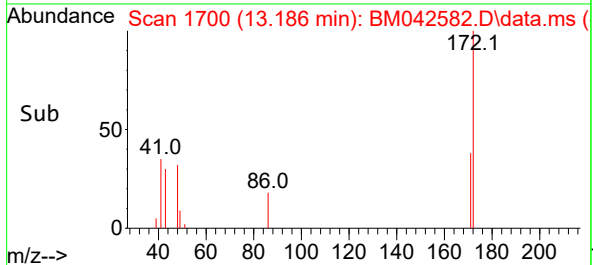
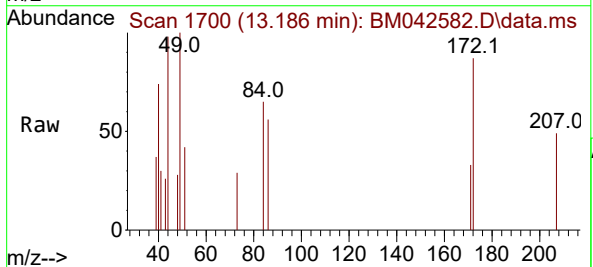
Instrument :
 BNA_M
 ClientSampleId :
 A-5(0-2)DL2

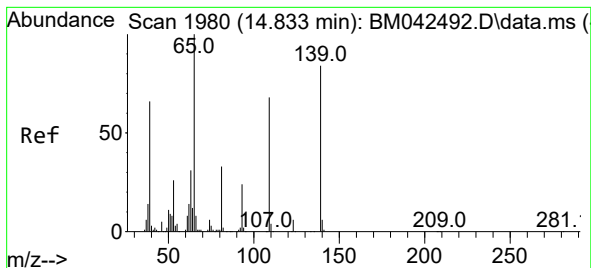
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 98.5
 141 38.9



#45
 2-Fluorobiphenyl
 Concen: 0.083 ng
 RT: 13.186 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: BM042582.D
 Acq: 03 Nov 2023 22:12

Tgt Ion: 172 Resp: 683
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.2 42.2
 170 0.0 19.0 28.4#

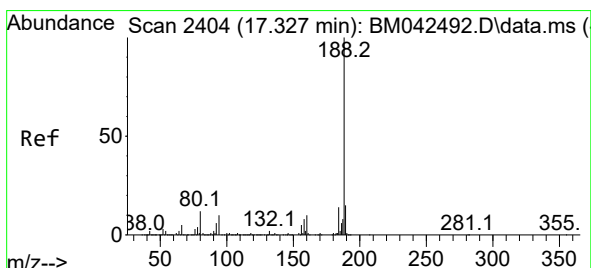
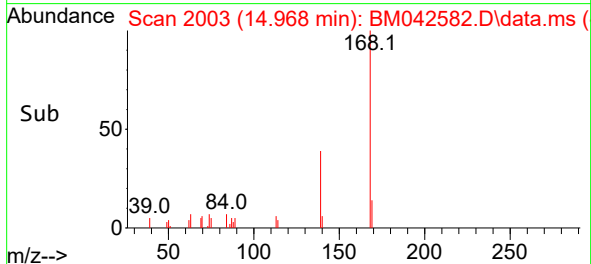
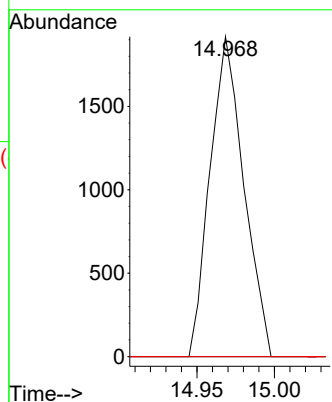
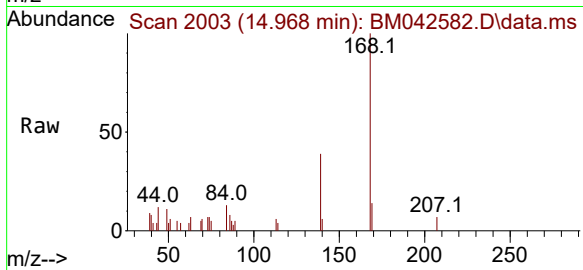




#56
4-Nitrophenol
Concen: 8.668 ng
RT: 14.968 min Scan# 20
Delta R.T. 0.147 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

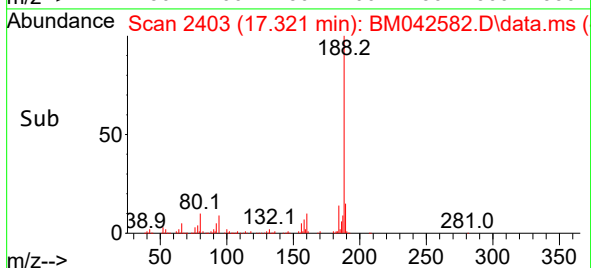
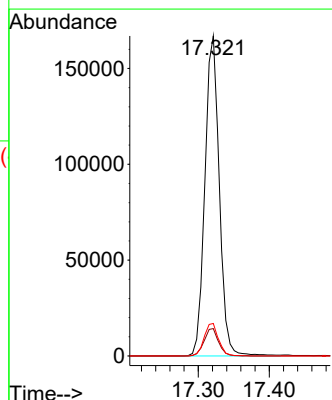
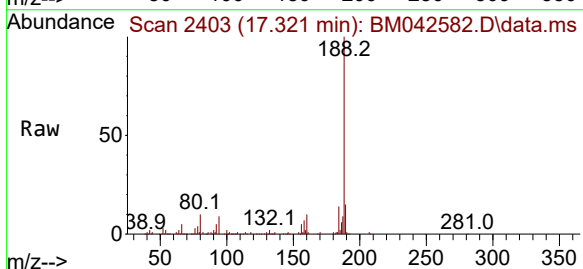
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL2

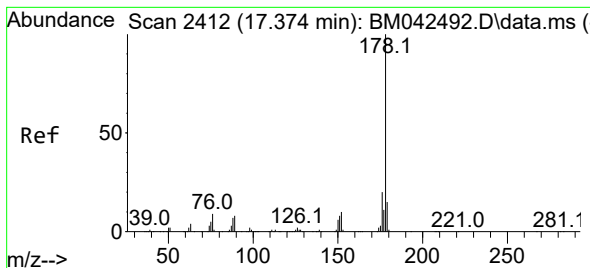
Tgt Ion:139 Resp: 2902
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2403
Delta R.T. 0.005 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

Tgt Ion:188 Resp: 236014
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 10.2 9.4 14.2





#71

Phenanthrene

Concen: 23.888 ng

RT: 17.362 min Scan# 2412

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

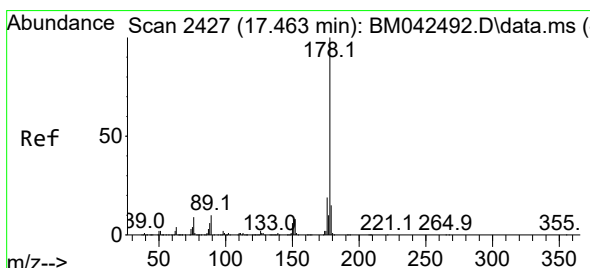
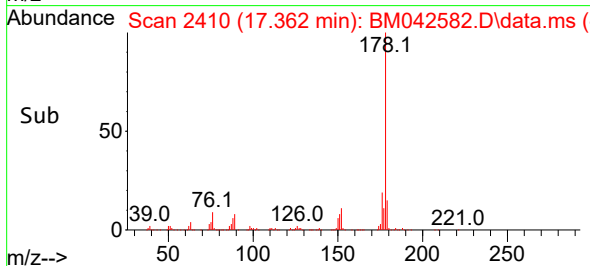
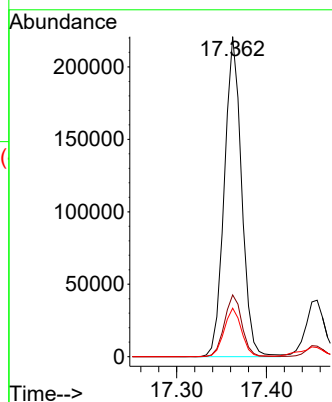
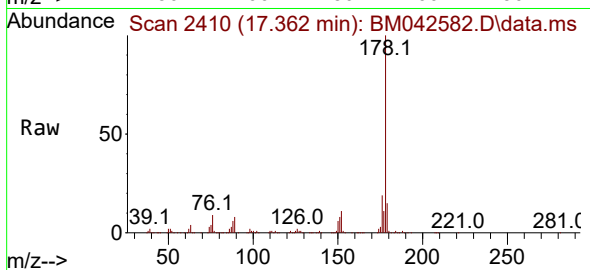
Tgt Ion:178 Resp: 294629

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 15.2 12.2 18.4



#72

Anthracene

Concen: 4.613 ng

RT: 17.456 min Scan# 2426

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

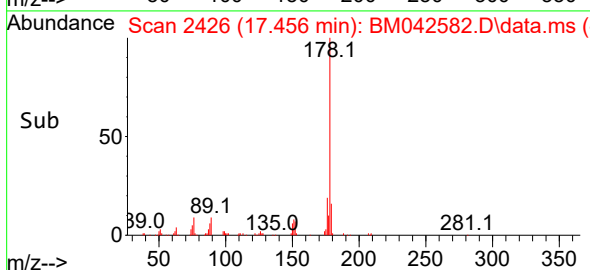
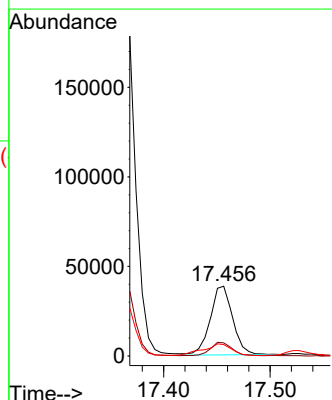
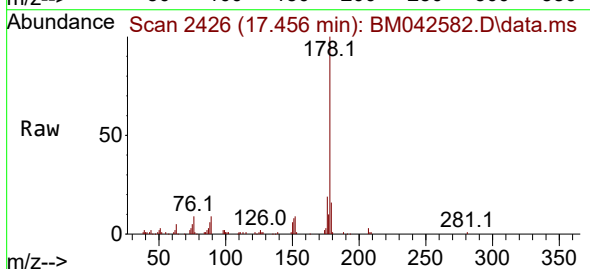
Tgt Ion:178 Resp: 56359

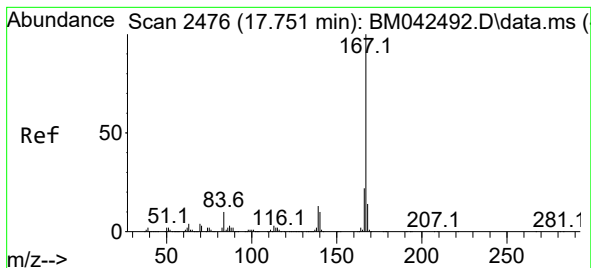
Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 16.2 12.3 18.5





#73

Carbazole

Concen: 3.422 ng

RT: 17.745 min Scan# 24

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

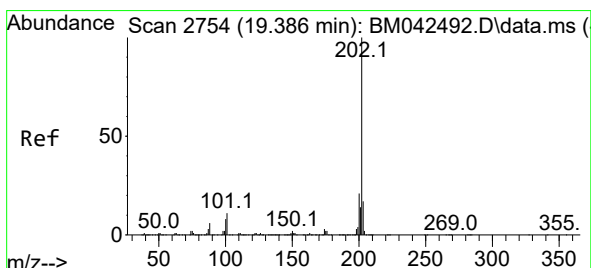
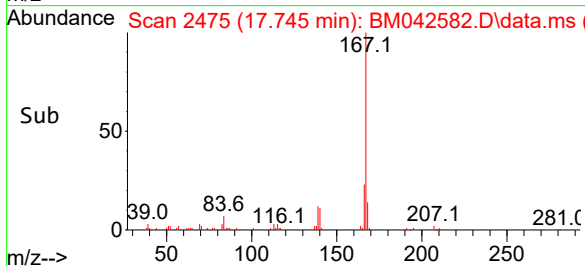
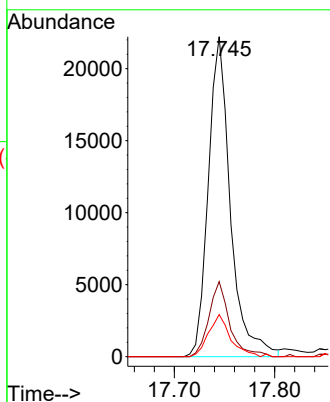
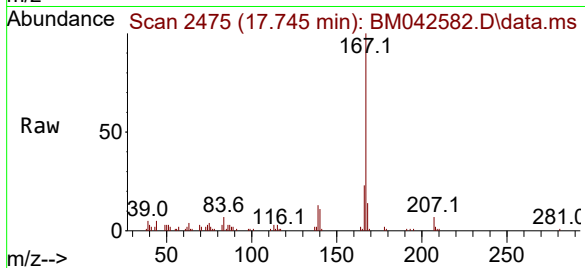
Tgt Ion:167 Resp: 34014

Ion Ratio Lower Upper

167 100

166 23.4 17.4 26.2

139 13.1 10.5 15.7



#75

Fluoranthene

Concen: 41.760 ng

RT: 19.380 min Scan# 2753

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

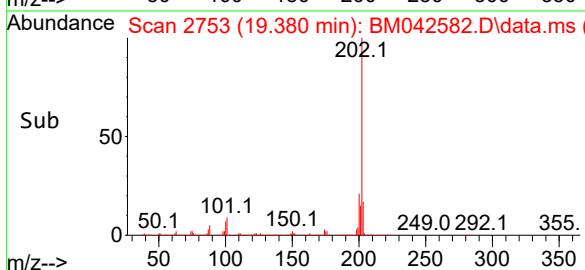
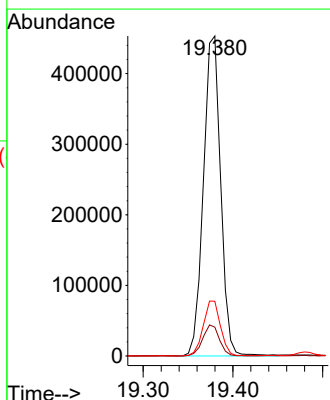
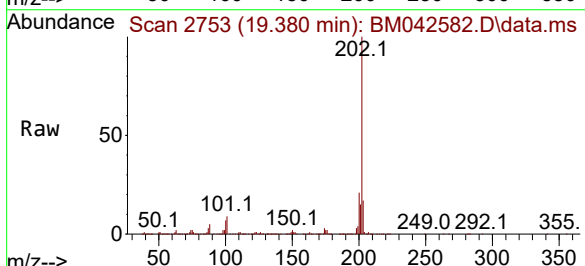
Tgt Ion:202 Resp: 605035

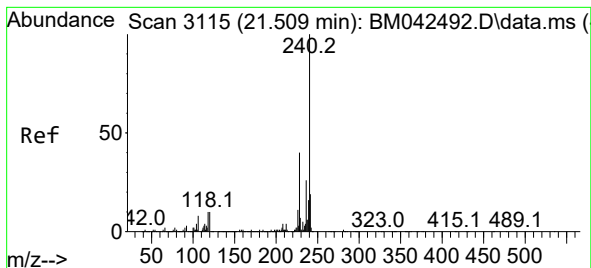
Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.5

203 17.1 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: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

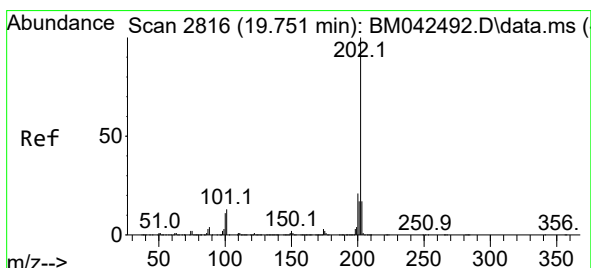
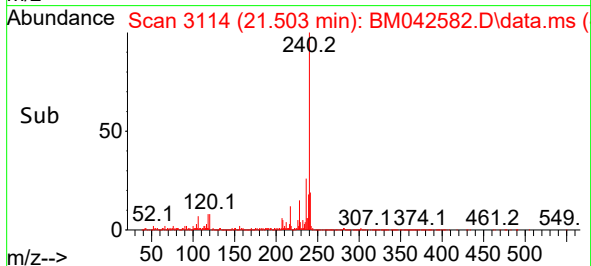
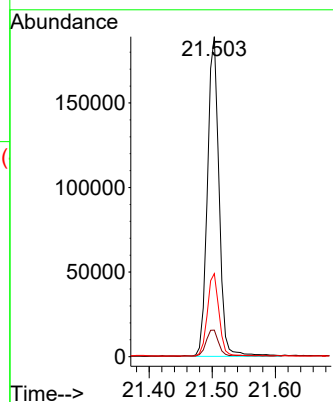
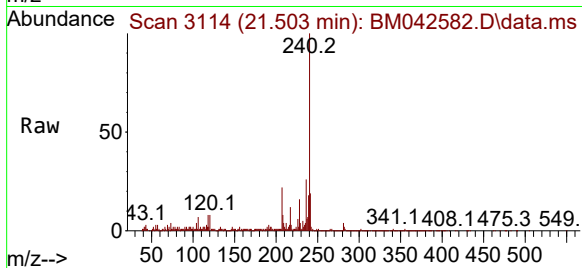
Tgt Ion:240 Resp: 242343

Ion Ratio Lower Upper

240 100

120 8.3 8.3 12.5#

236 26.0 20.8 31.2



#78

Pyrene

Concen: 30.867 ng

RT: 19.745 min Scan# 2815

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

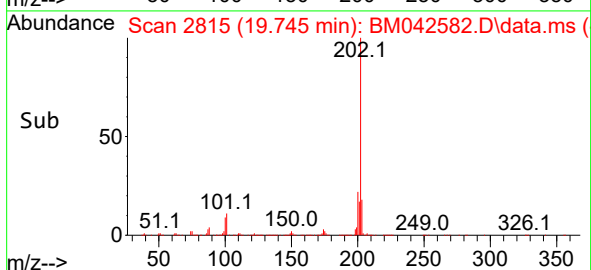
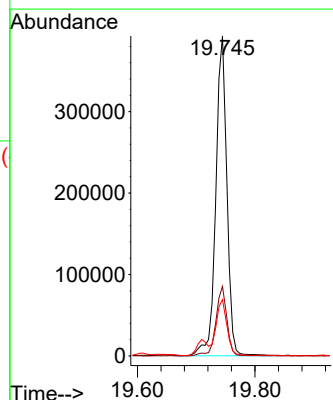
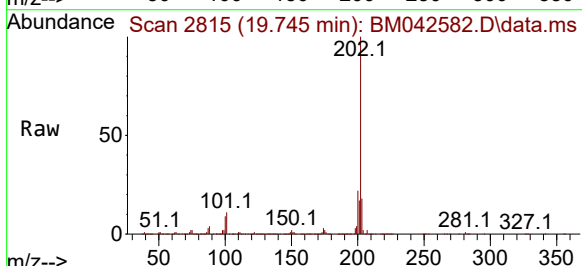
Tgt Ion:202 Resp: 513649

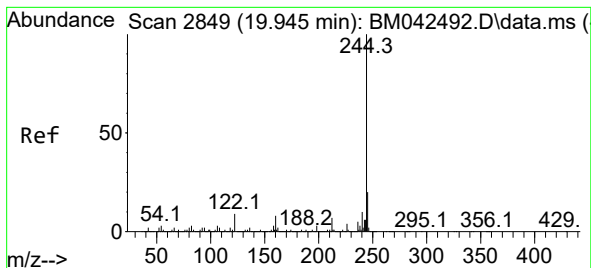
Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

203 17.7 13.7 20.5





#79

Terphenyl-d14

Concen: 0.126 ng

RT: 19.927 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

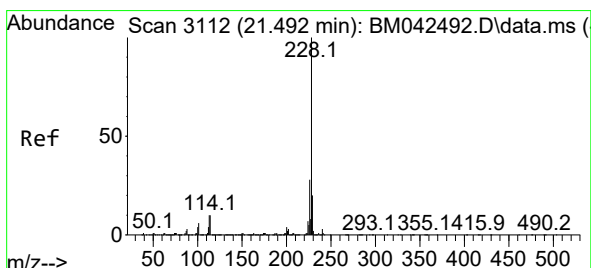
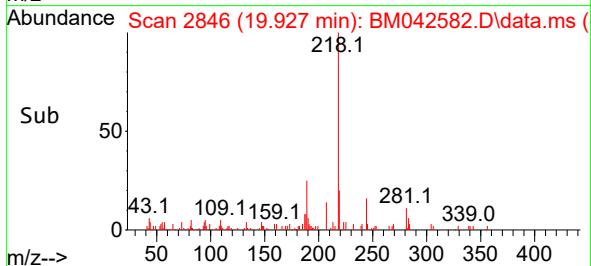
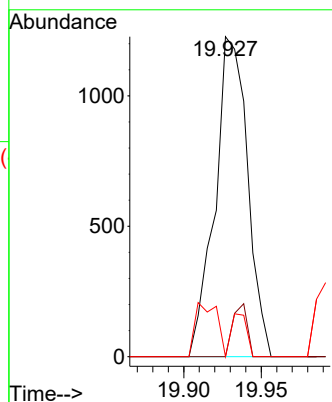
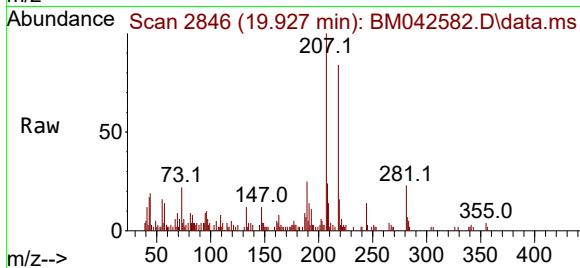
Tgt Ion:244 Resp: 1794

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.2#

122 0.0 7.2 10.8#



#81

Benzo(a)anthracene

Concen: 16.404 ng

RT: 21.486 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

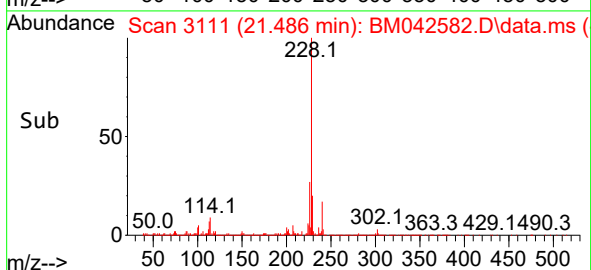
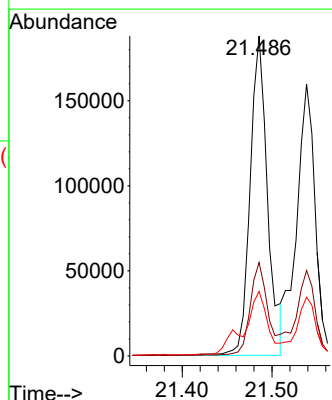
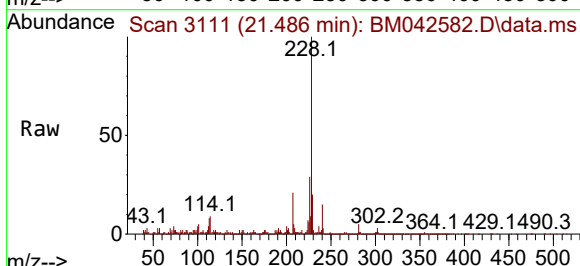
Tgt Ion:228 Resp: 252933

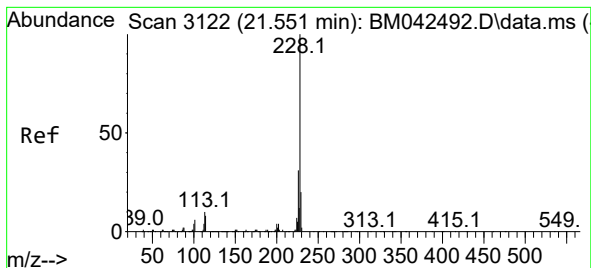
Ion Ratio Lower Upper

228 100

226 29.2 22.3 33.5

229 20.1 15.8 23.8





#83

Chrysene

Concen: 14.924 ng

RT: 21.539 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

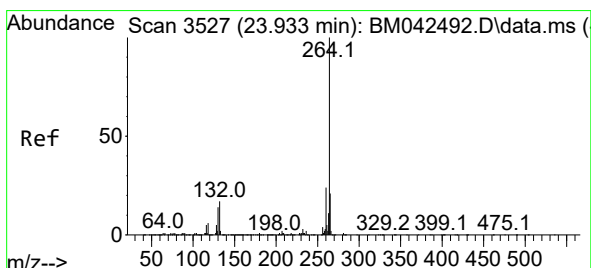
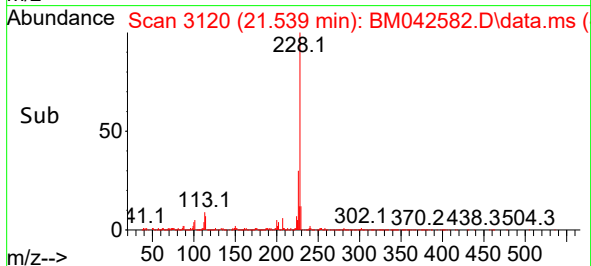
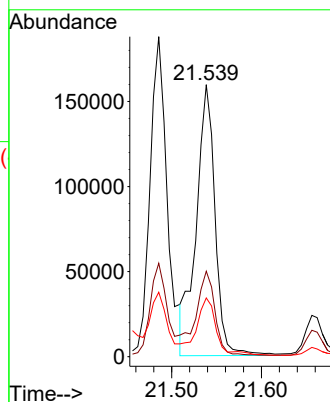
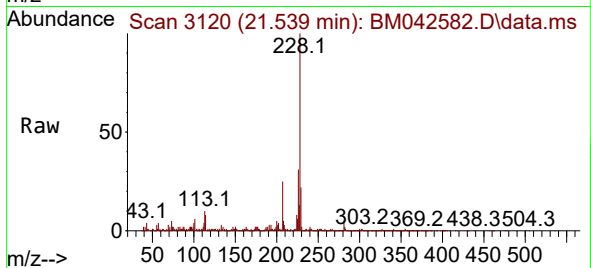
Tgt Ion:228 Resp: 233746

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

229 21.6 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3525

Delta R.T. 0.005 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

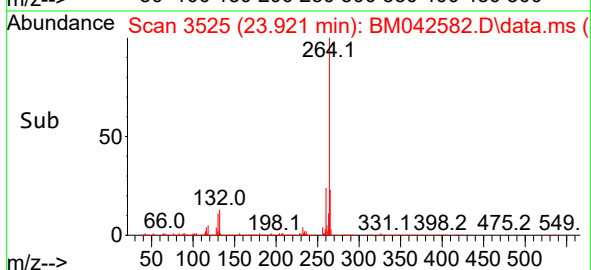
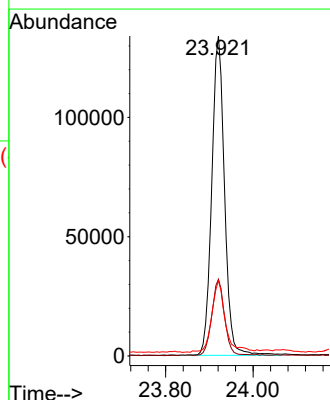
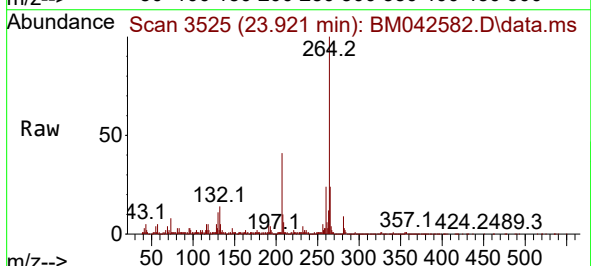
Tgt Ion:264 Resp: 272514

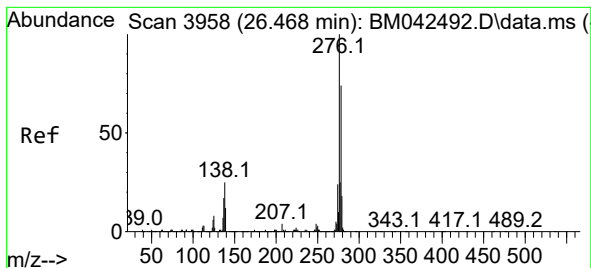
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 23.6 18.7 28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.752 ng

RT: 26.450 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

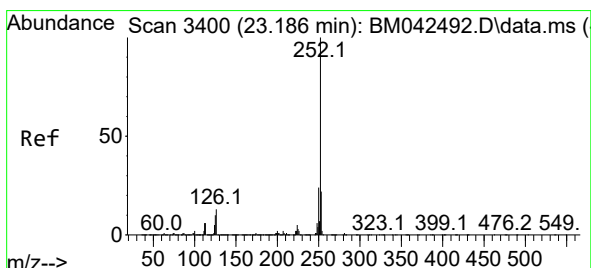
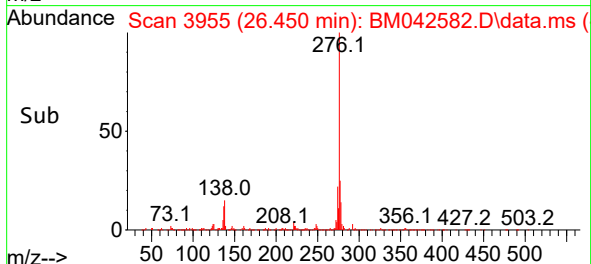
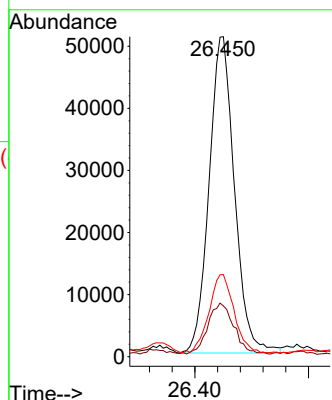
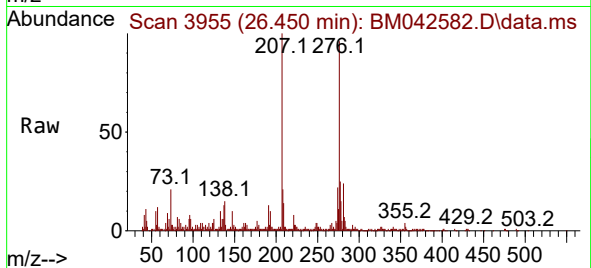
Tgt Ion:276 Resp: 158168

Ion Ratio Lower Upper

276 100

138 16.4 20.6 31.0#

277 24.3 19.5 29.3



#88

Benzo(b)fluoranthene

Concen: 21.813 ng

RT: 23.174 min Scan# 3398

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

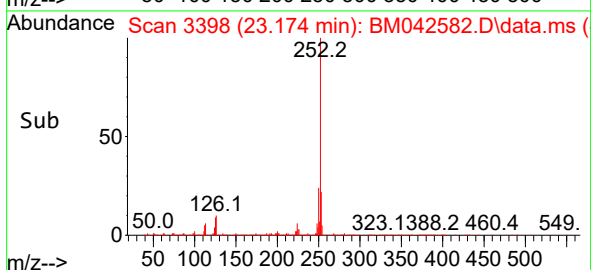
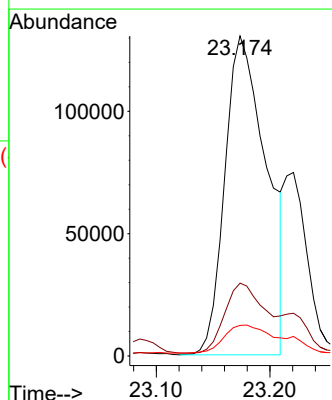
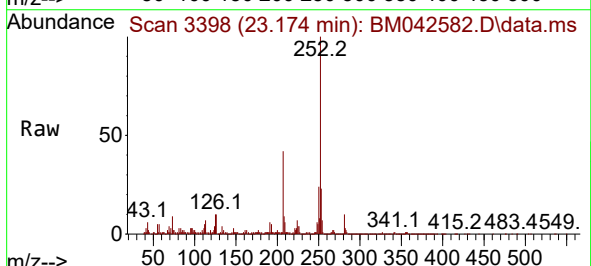
Tgt Ion:252 Resp: 331168

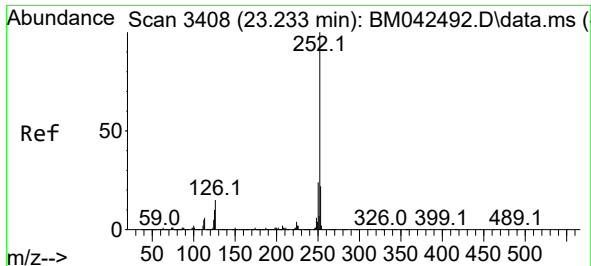
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.6 7.8 11.6

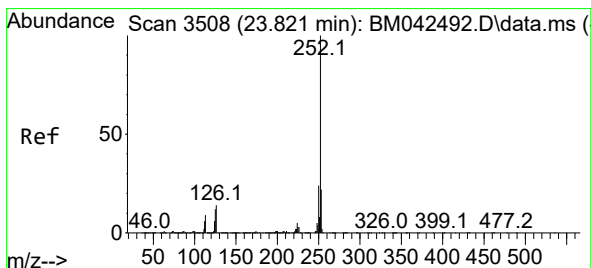
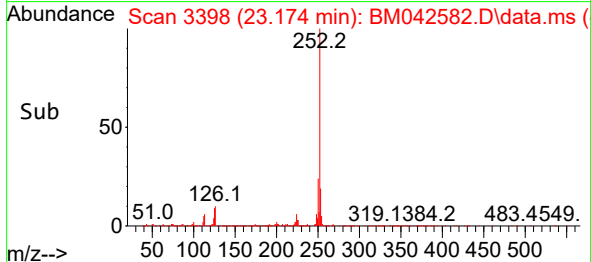
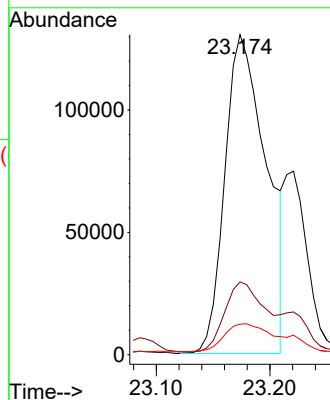
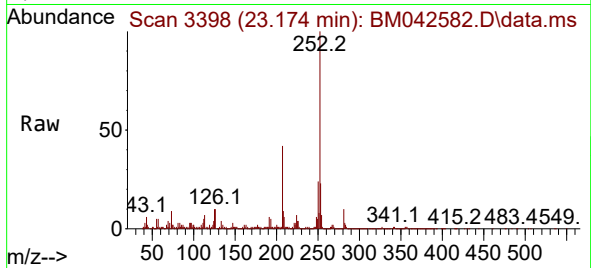




#89
Benzo(k)fluoranthene
Concen: 19.575 ng
RT: 23.174 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

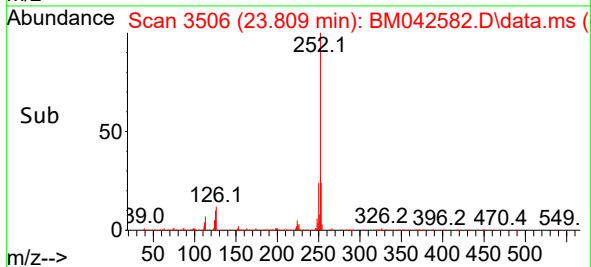
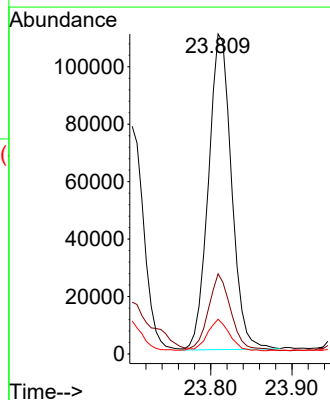
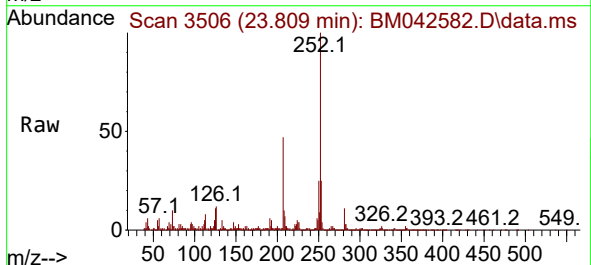
Instrument :
BNA_M
ClientSampleId :
A-5(0-2)DL2

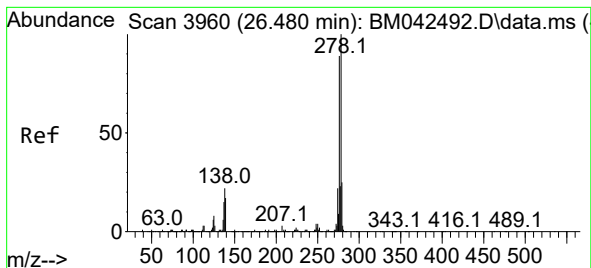
Tgt Ion:252 Resp: 331168
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.6 8.2 12.4



#90
Benzo(a)pyrene
Concen: 14.547 ng
RT: 23.809 min Scan# 3506
Delta R.T. -0.000 min
Lab File: BM042582.D
Acq: 03 Nov 2023 22:12

Tgt Ion:252 Resp: 217443
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 10.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 6.174 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Instrument :

BNA_M

ClientSampleId :

A-5(0-2)DL2

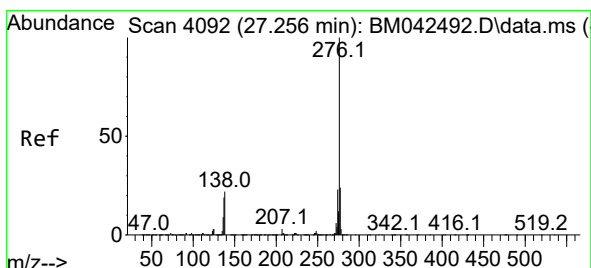
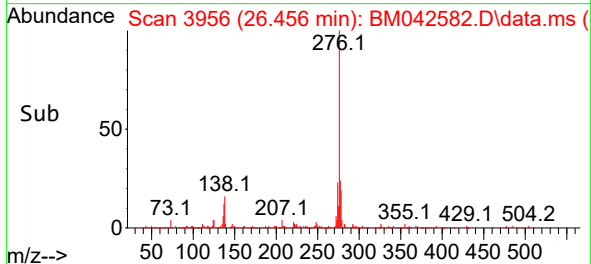
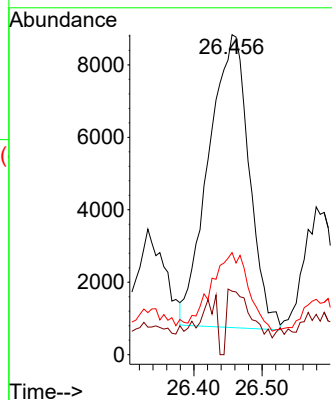
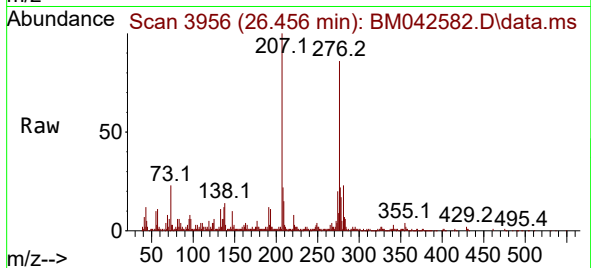
Tgt Ion:278 Resp: 33358

Ion Ratio Lower Upper

278 100

139 19.9 13.4 20.2

279 31.9 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 10.954 ng

RT: 27.244 min Scan# 4090

Delta R.T. -0.000 min

Lab File: BM042582.D

Acq: 03 Nov 2023 22:12

Tgt Ion:276 Resp: 156583

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 17.3 17.3 25.9

