

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110223\
 Data File : BM042563.D
 Acq On : 02 Nov 2023 16:13
 Operator : MA/JU
 Sample : 04938-15DL 200X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A-8(0-2)DL

Quant Time: Nov 02 22:41:41 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)

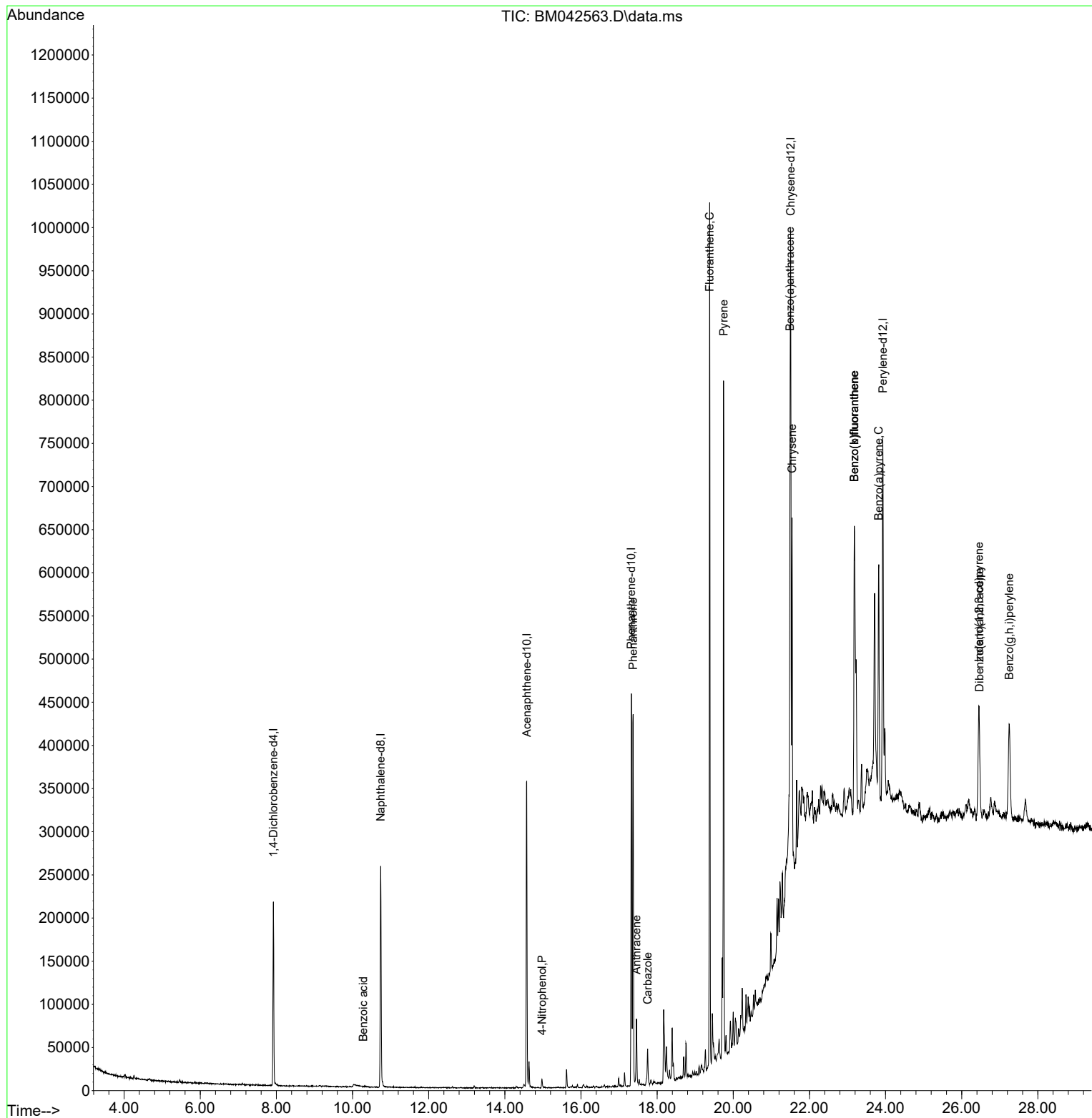
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	51705	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	193238	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	117290	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	255290	20.000	ng	0.00
76) Chrysene-d12	21.509	240	276774	20.000	ng	# 0.00
86) Perylene-d12	23.927	264	318471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1192	0.372	ng	0.00
7) Phenol-d6	7.098	99	775	0.176	ng	0.00
23) Nitrobenzene-d5	9.139	82	753	0.182	ng	0.00
42) 2,4,6-Tribromophenol	16.080	330	351	0.229	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1881	0.216	ng	0.00
79) Terphenyl-d14	19.939	244	5401	0.331	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.280	122	60	4.135	ng	90
56) 4-Nitrophenol	14.974	139	2591	8.395	ng	# 1
71) Phenanthrene	17.368	178	244392	18.319	ng	100
72) Anthracene	17.456	178	45021	3.407	ng	97
73) Carbazole	17.750	167	27702	2.577	ng	99
75) Fluoranthene	19.380	202	535606	34.177	ng	99
78) Pyrene	19.744	202	456195	24.004	ng	100
81) Benzo(a)anthracene	21.491	228	235031	13.347	ng	99
83) Chrysene	21.544	228	213414	11.931	ng	98
87) Indeno(1,2,3-cd)pyrene	26.456	276	151109	7.972	ng	# 90
88) Benzo(b)fluoranthene	23.180	252	312548	17.616	ng	99
89) Benzo(k)fluoranthene	23.180	252	312548	15.809	ng	99
90) Benzo(a)pyrene	23.821	252	210700	12.062	ng	96
91) Dibenzo(a,h)anthracene	26.468	278	32771	5.849	ng	# 92
92) Benzo(g,h,i)perylene	27.250	276	151243	9.053	ng	98

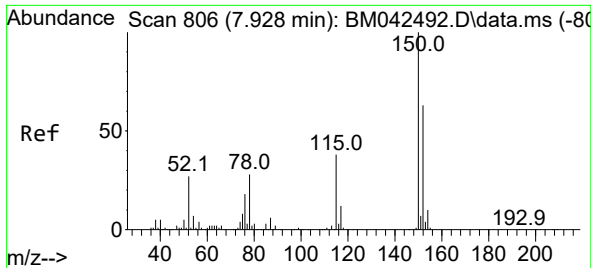
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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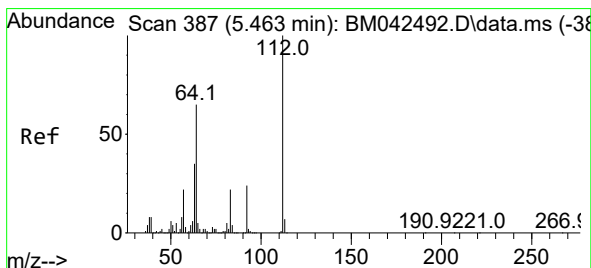
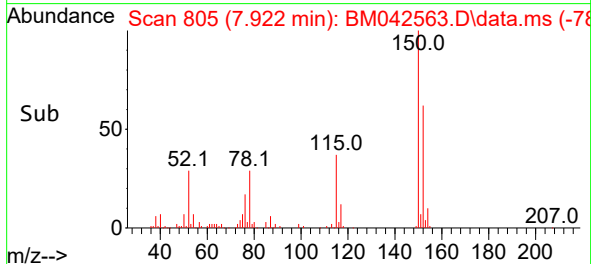
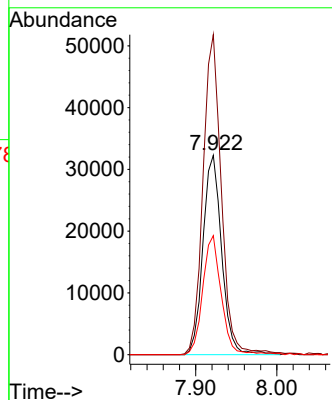
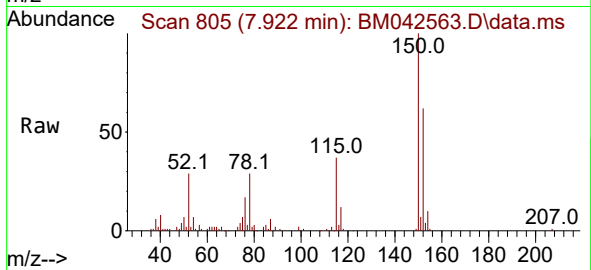




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

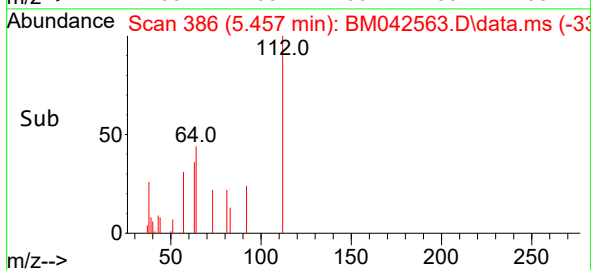
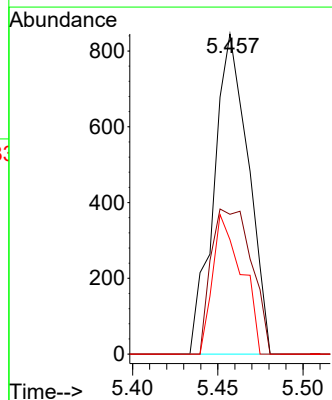
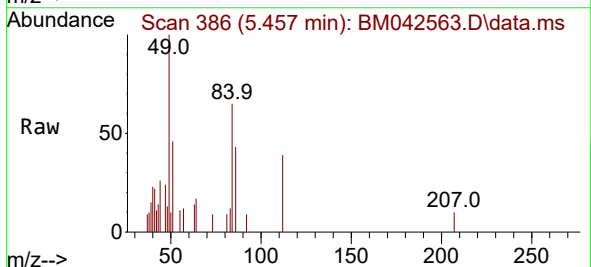
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

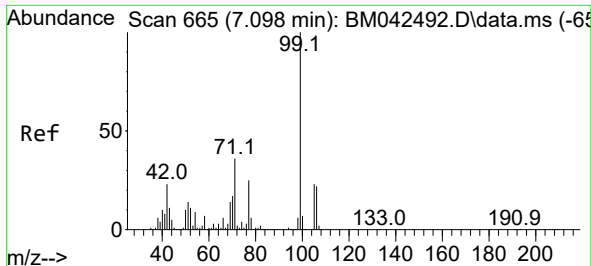
Tgt Ion:152 Resp: 51705
Ion Ratio Lower Upper
152 100
150 160.5 127.4 191.0
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 0.372 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:112 Resp: 1192
Ion Ratio Lower Upper
112 100
64 43.7 52.1 78.1#
63 35.7 28.3 42.5

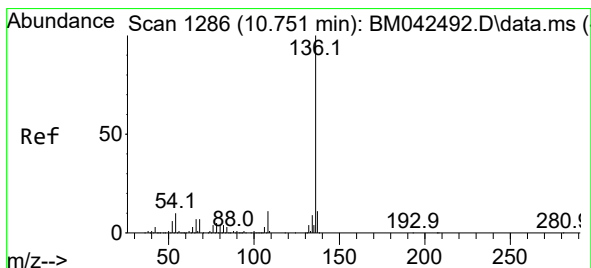
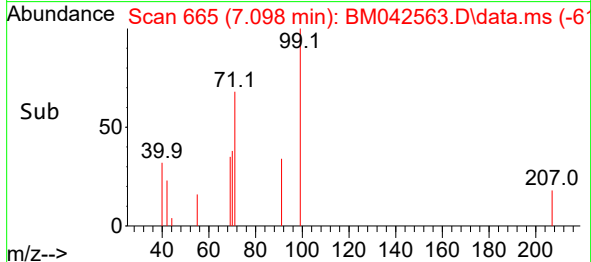
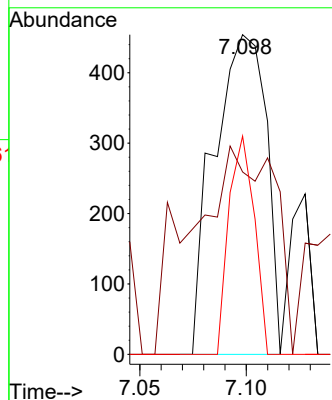
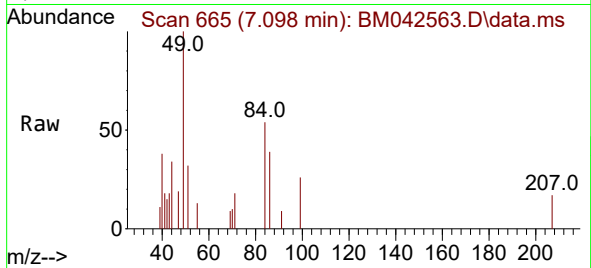




#7
Phenol-d6
Concen: 0.176 ng
RT: 7.098 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

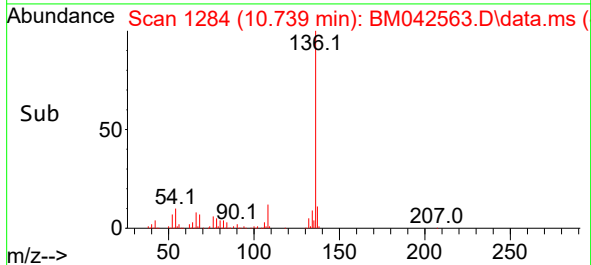
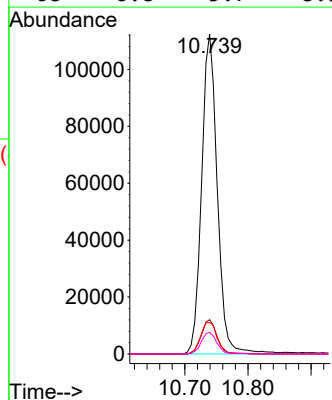
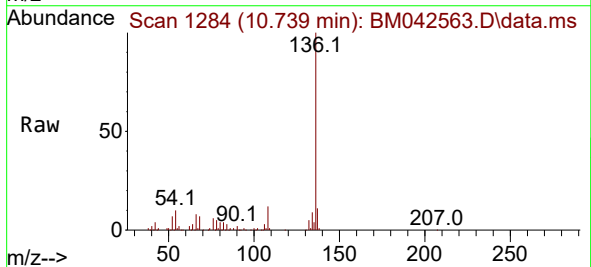
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

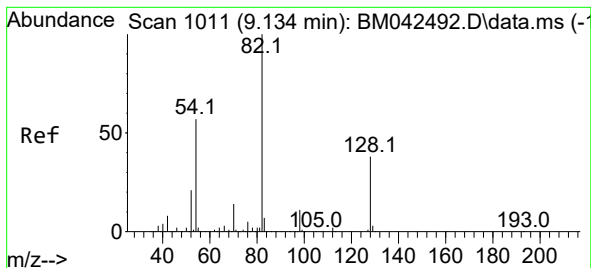
Tgt Ion: 99 Resp: 775
Ion Ratio Lower Upper
99 100
42 57.0 18.7 28.1#
71 68.3 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:136 Resp: 193238
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.8 8.0 12.0
68 6.8 5.7 8.5





#23

Nitrobenzene-d5

Concen: 0.182 ng

RT: 9.139 min Scan# 110

Delta R.T. 0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

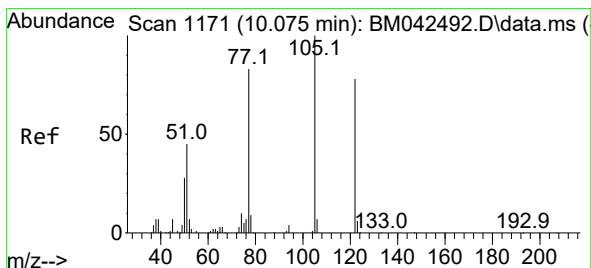
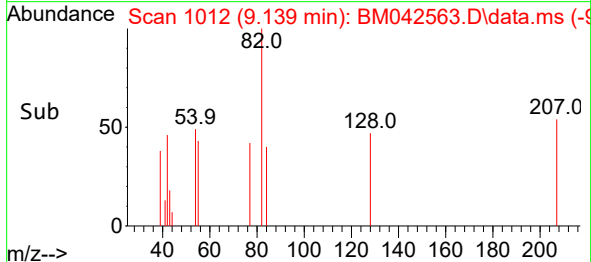
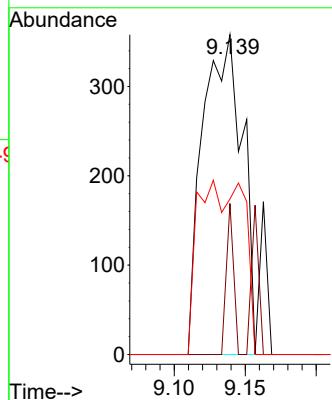
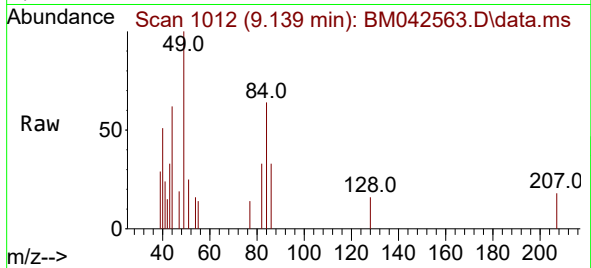
Tgt Ion: 82 Resp: 753

Ion Ratio Lower Upper

82 100

128 47.2 30.7 46.1#

54 48.6 45.3 67.9



#32

Benzoic acid

Concen: 4.135 ng

RT: 10.280 min Scan# 1206

Delta R.T. 0.205 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

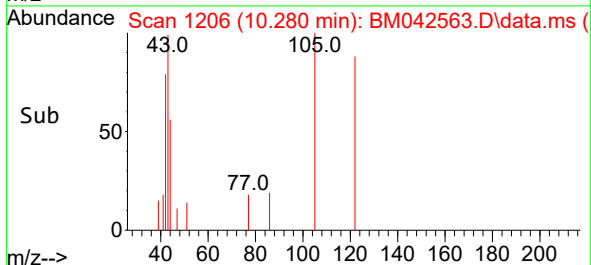
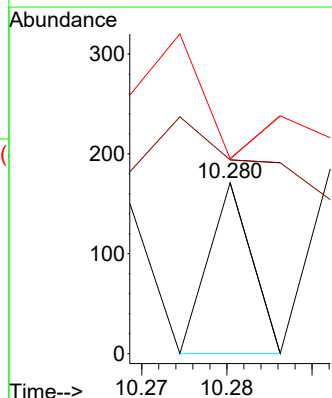
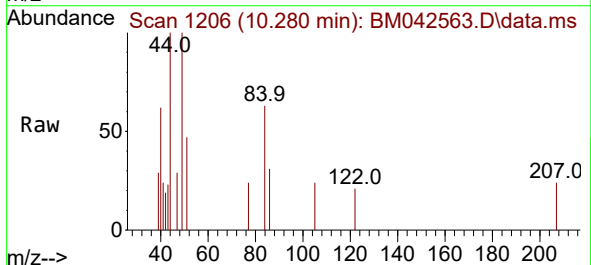
Tgt Ion: 122 Resp: 60

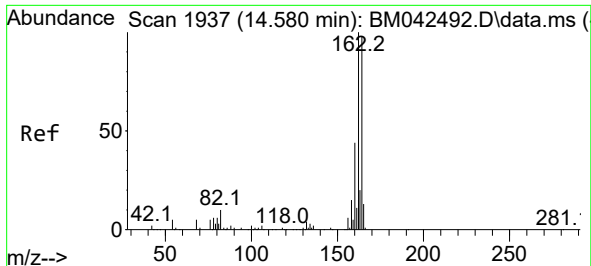
Ion Ratio Lower Upper

122 100

105 113.5 105.2 145.2

77 114.0 84.8 124.8

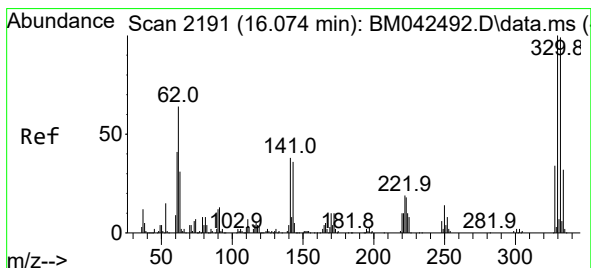
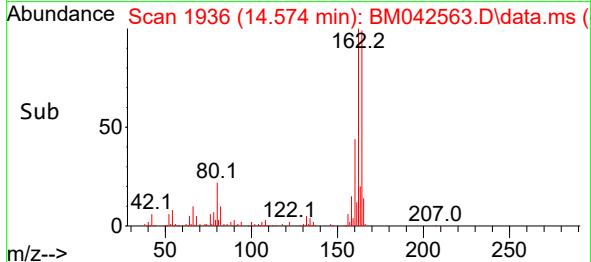
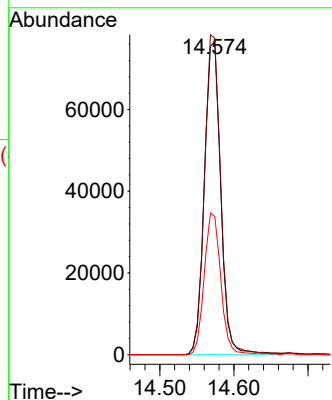
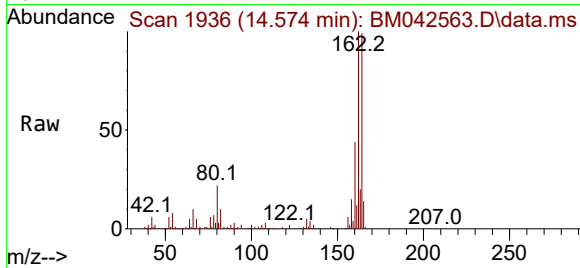




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

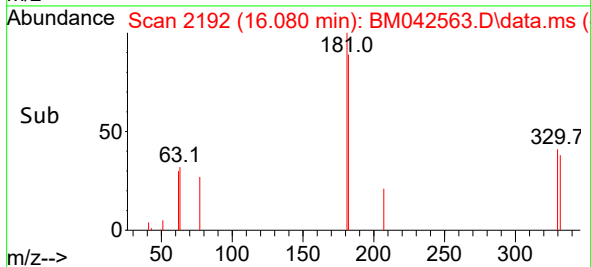
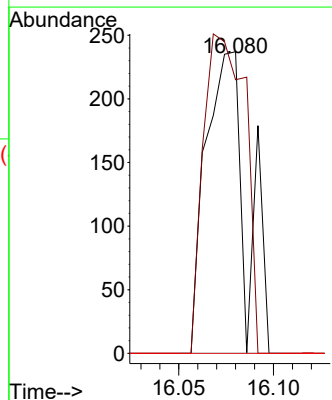
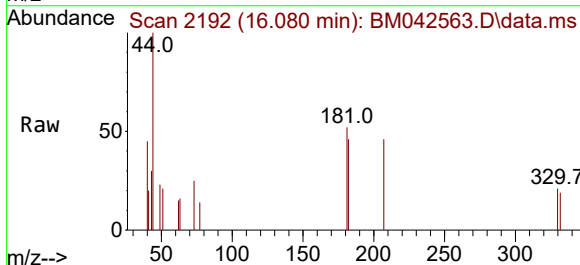
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

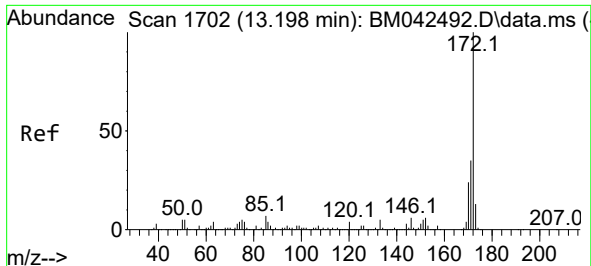
Tgt Ion:164 Resp: 117290
Ion Ratio Lower Upper
164 100
162 101.1 81.6 122.4
160 44.1 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 16.080 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:330 Resp: 351
Ion Ratio Lower Upper
330 100
332 109.4 78.8 118.2
141 0.0 31.1 46.7#

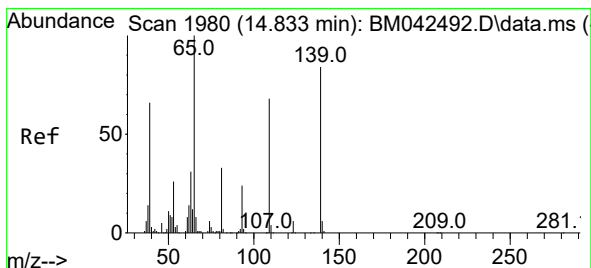
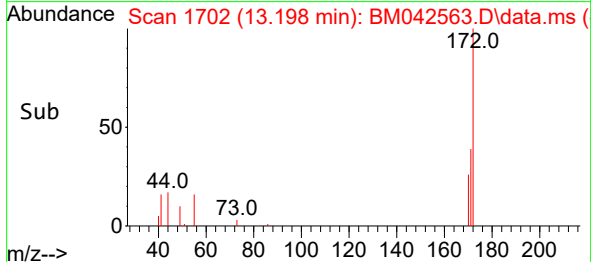
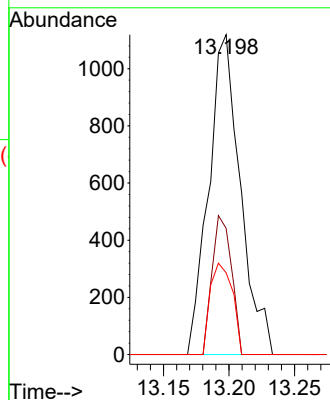
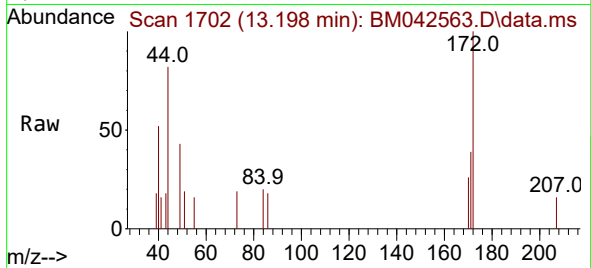




#45
2-Fluorobiphenyl
Concen: 0.216 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

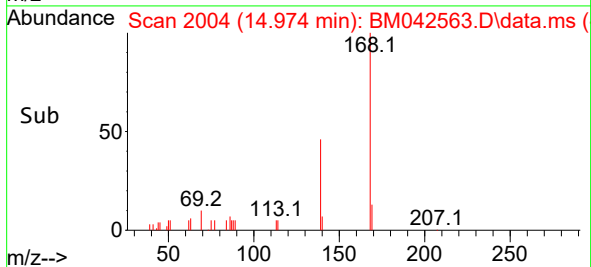
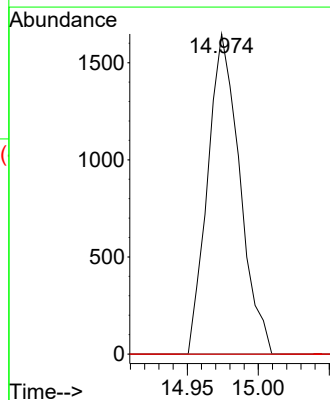
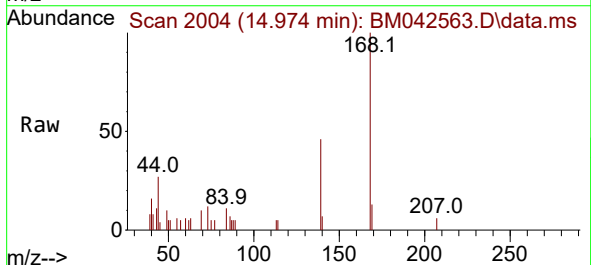
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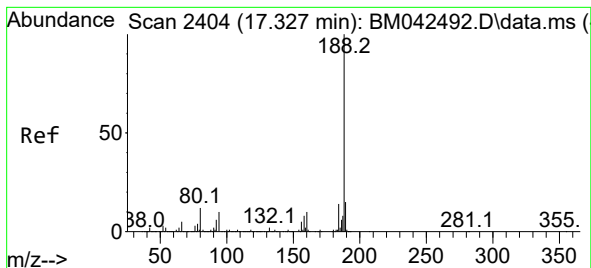
Tgt Ion:	172	Resp:	1881
Ion	Ratio	Lower	Upper
172	100		
171	39.5	28.2	42.2
170	25.6	19.0	28.4



#56
4-Nitrophenol
Concen: 8.395 ng
RT: 14.974 min Scan# 2004
Delta R.T. 0.141 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:	139	Resp:	2591
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# 2411

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

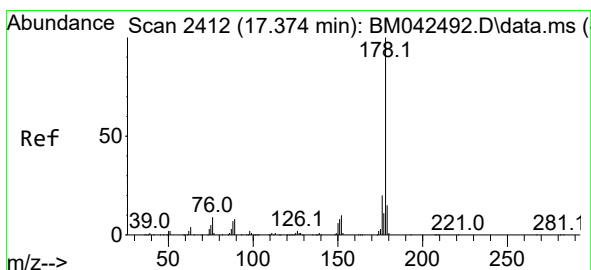
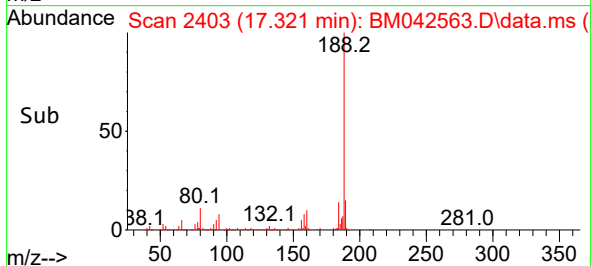
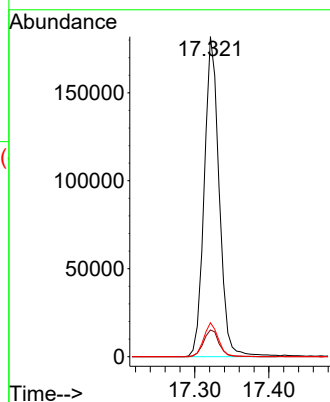
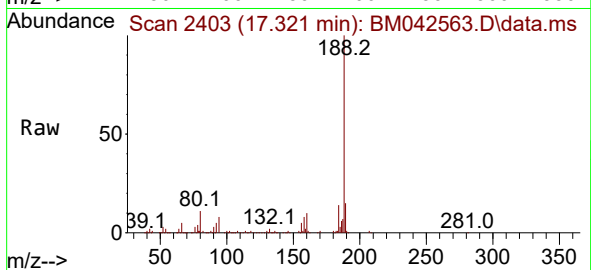
Tgt Ion:188 Resp: 255290

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

80 10.6 9.4 14.2



#71

Phenanthrene

Concen: 18.319 ng

RT: 17.368 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

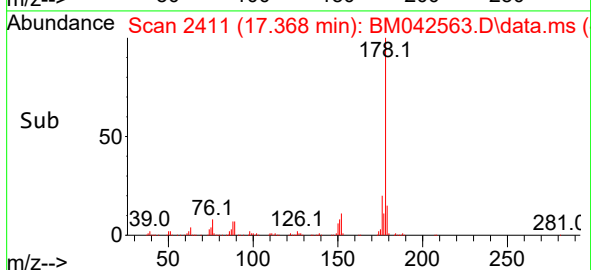
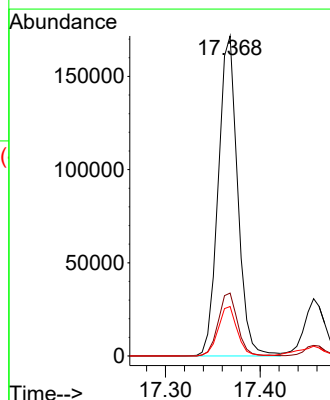
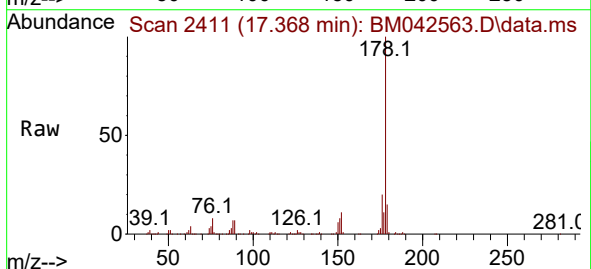
Tgt Ion:178 Resp: 244392

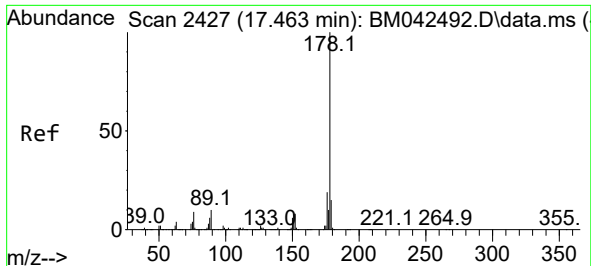
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 15.5 12.2 18.4

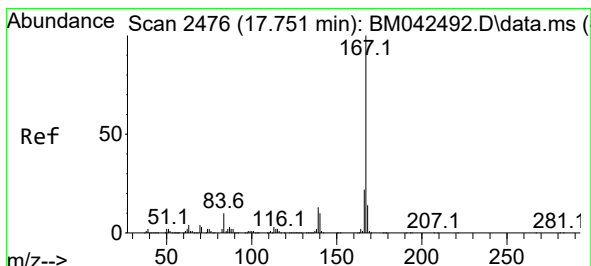
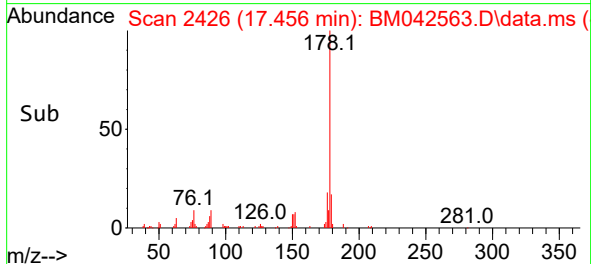
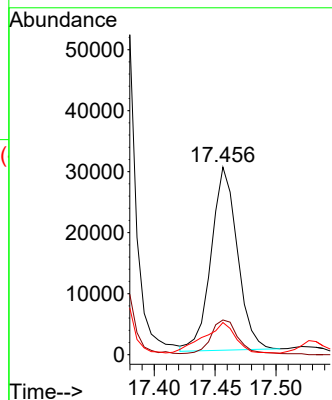
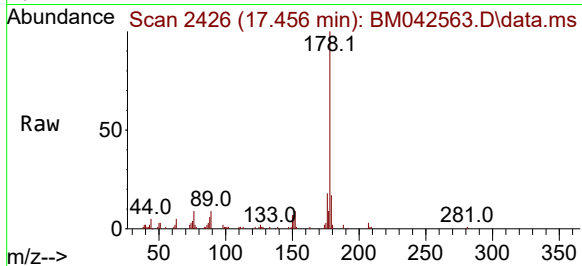




#72
 Anthracene
 Concen: 3.407 ng
 RT: 17.456 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BM042563.D
 Acq: 02 Nov 2023 16:13

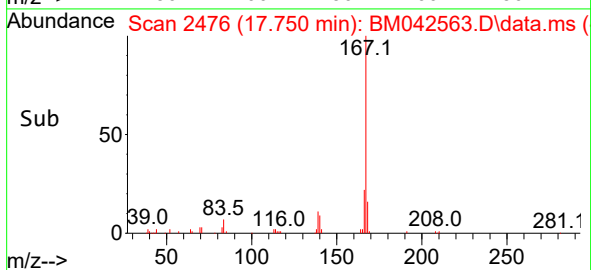
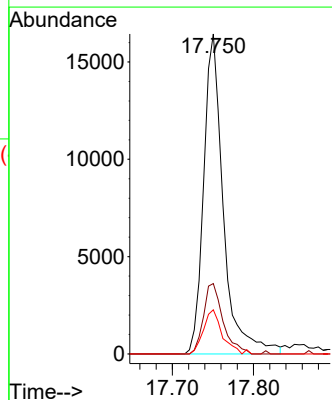
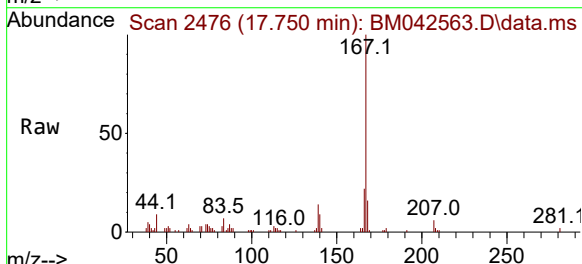
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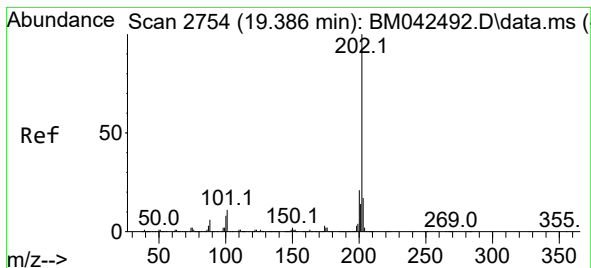
Tgt Ion:178 Resp: 45021
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.2 22.8
 179 17.2 12.3 18.5



#73
 Carbazole
 Concen: 2.577 ng
 RT: 17.750 min Scan# 2476
 Delta R.T. -0.001 min
 Lab File: BM042563.D
 Acq: 02 Nov 2023 16:13

Tgt Ion:167 Resp: 27702
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.2
 139 13.8 10.5 15.7





#75

Fluoranthene

Concen: 34.177 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

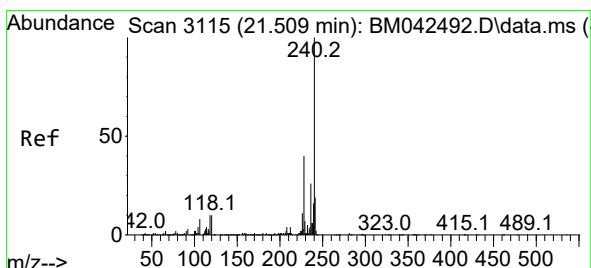
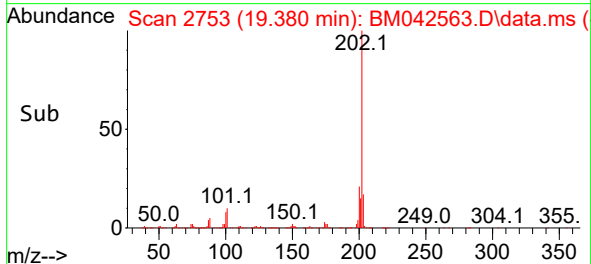
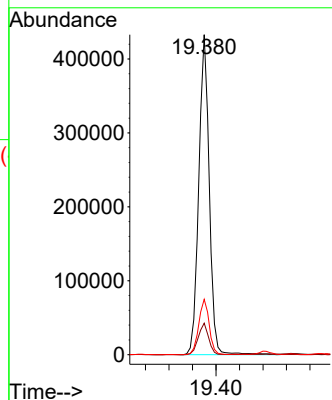
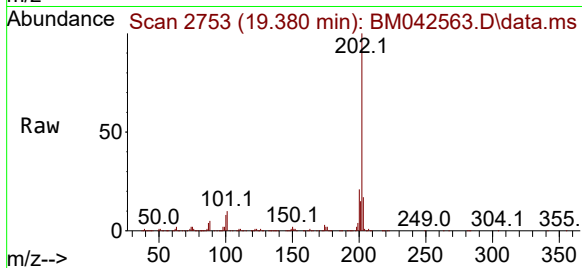
Tgt Ion:202 Resp: 535606

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.5

203 17.3 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: BM042563.D

Acq: 02 Nov 2023 16:13

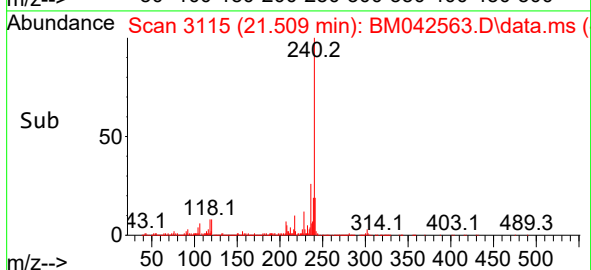
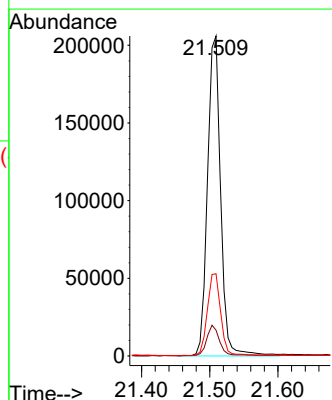
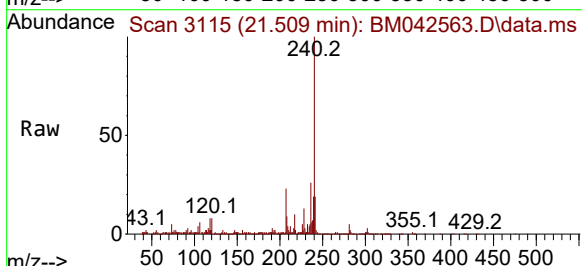
Tgt Ion:240 Resp: 276774

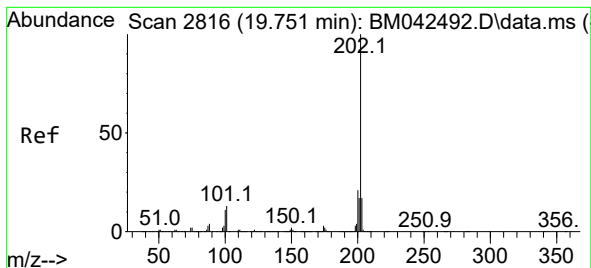
Ion Ratio Lower Upper

240 100

120 8.1 8.3 12.5#

236 25.7 20.8 31.2





#78

Pyrene

Concen: 24.004 ng

RT: 19.744 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

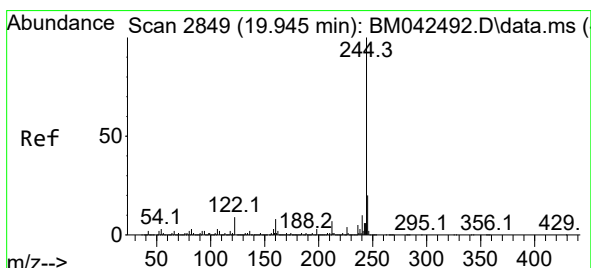
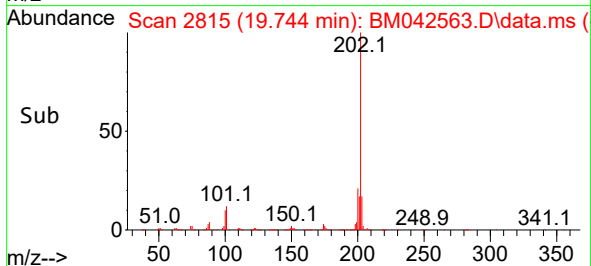
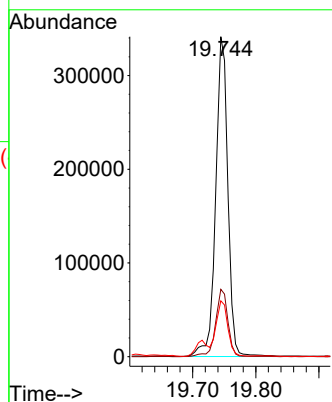
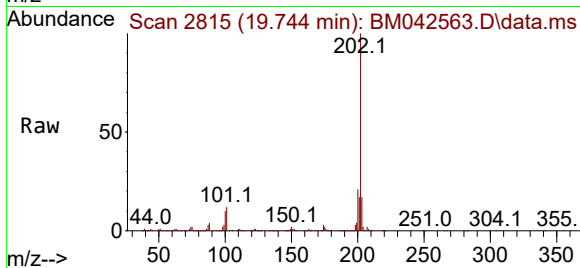
Tgt Ion:202 Resp: 456195

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 17.5 13.7 20.5



#79

Terphenyl-d14

Concen: 0.331 ng

RT: 19.939 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

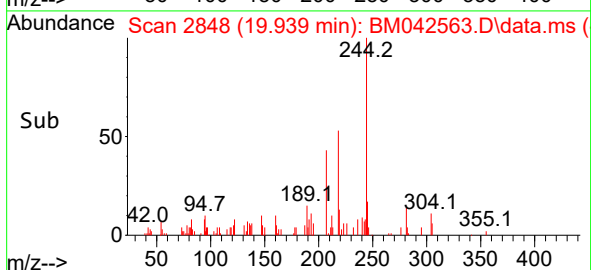
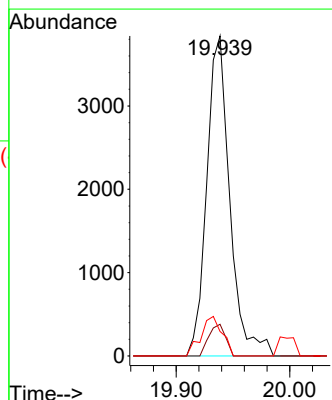
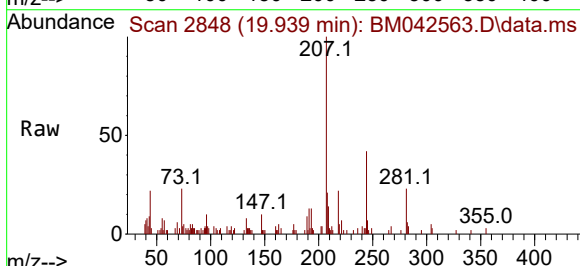
Tgt Ion:244 Resp: 5401

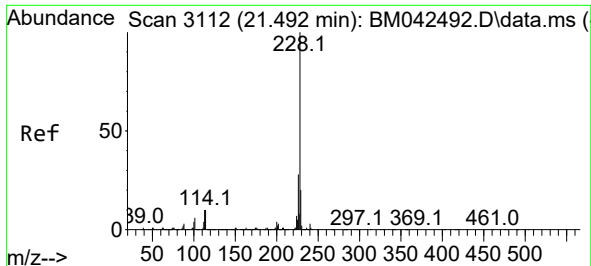
Ion Ratio Lower Upper

244 100

212 9.9 5.4 8.2#

122 7.7 7.2 10.8

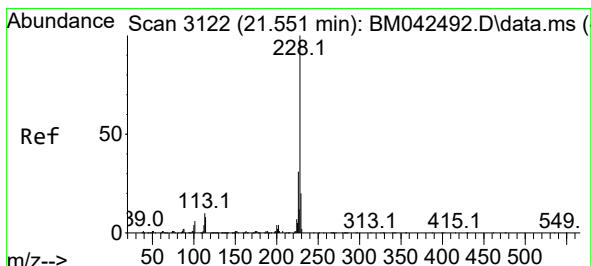
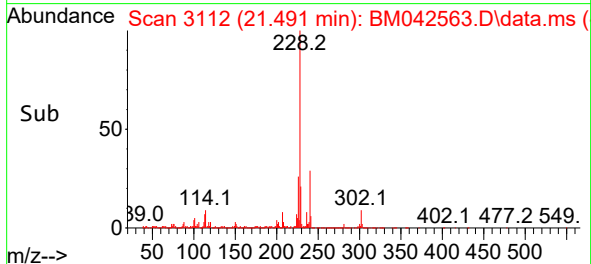
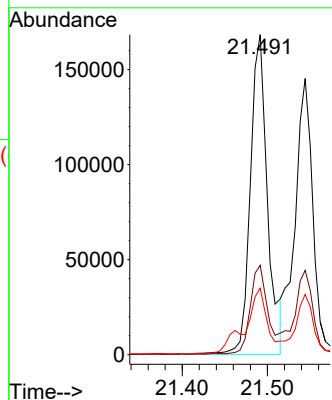
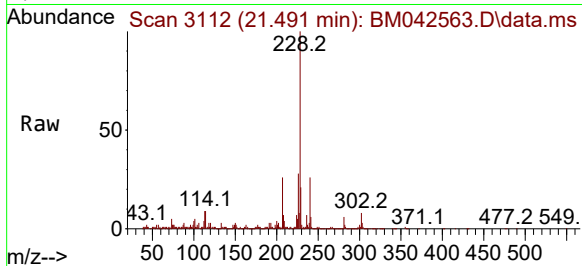




#81
Benzo(a)anthracene
Concen: 13.347 ng
RT: 21.491 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

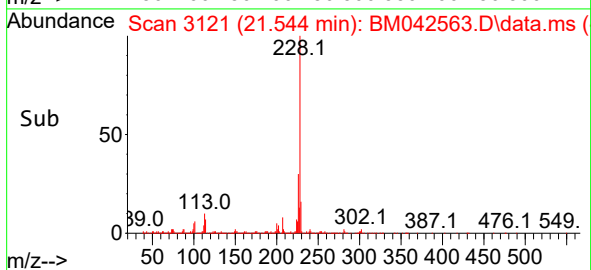
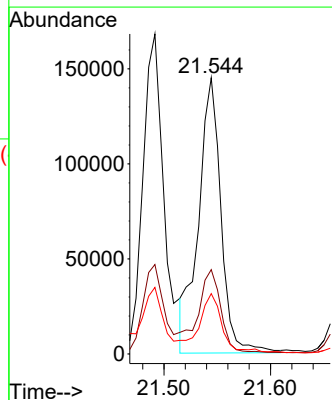
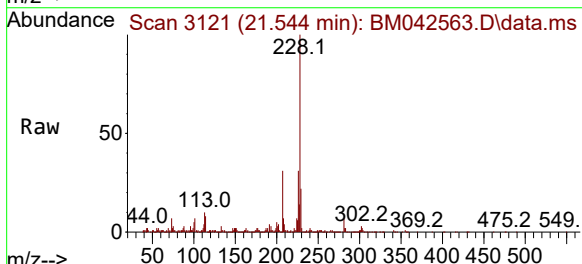
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

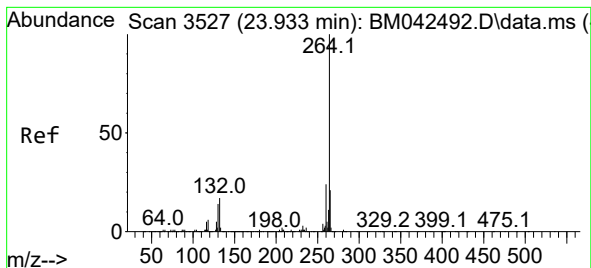
Tgt Ion:228 Resp: 235031
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 20.8 15.8 23.8



#83
Chrysene
Concen: 11.931 ng
RT: 21.544 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:228 Resp: 213414
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 21.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

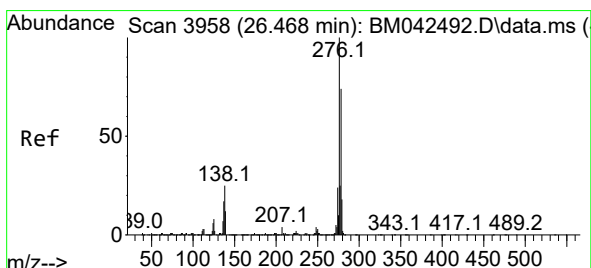
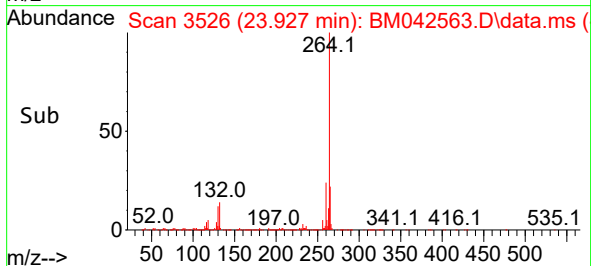
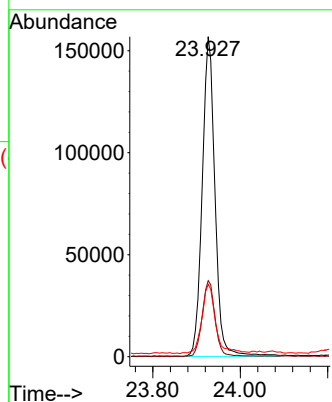
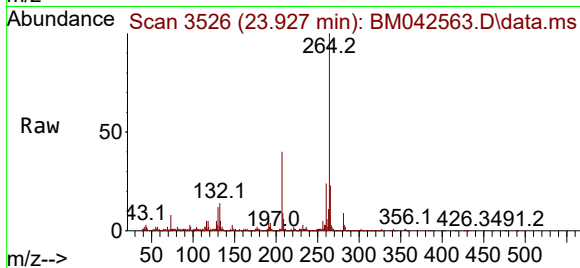
Tgt Ion:264 Resp: 318471

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.6 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.972 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

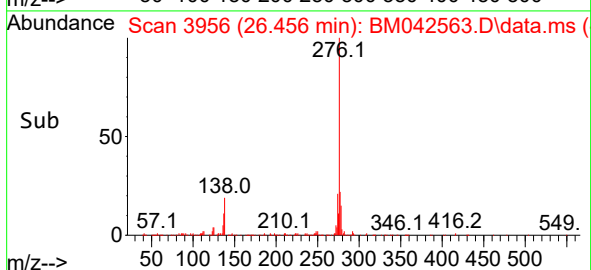
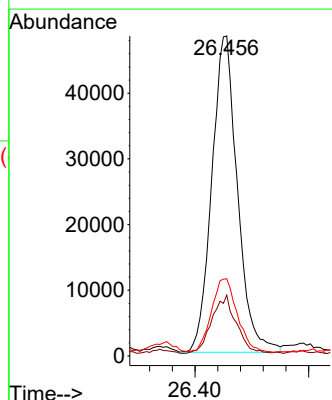
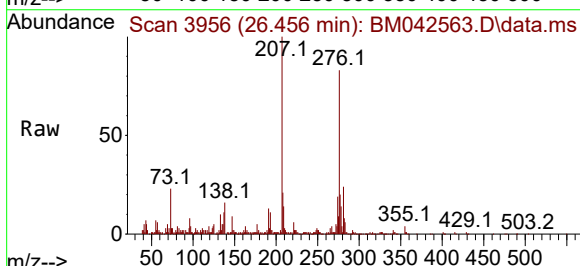
Tgt Ion:276 Resp: 151109

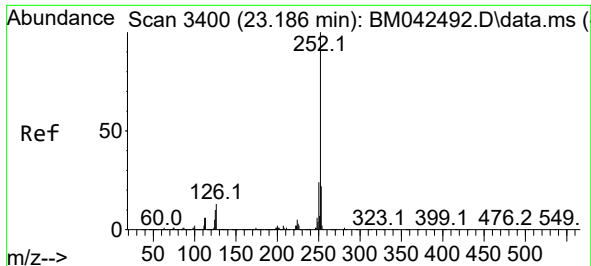
Ion Ratio Lower Upper

276 100

138 17.4 20.6 31.0#

277 23.3 19.5 29.3

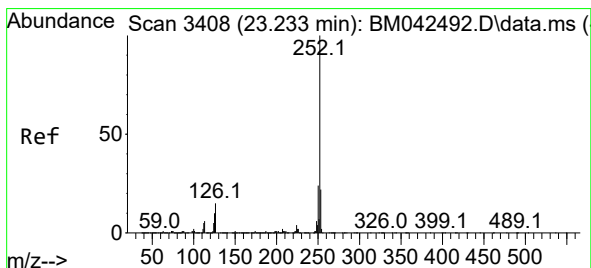
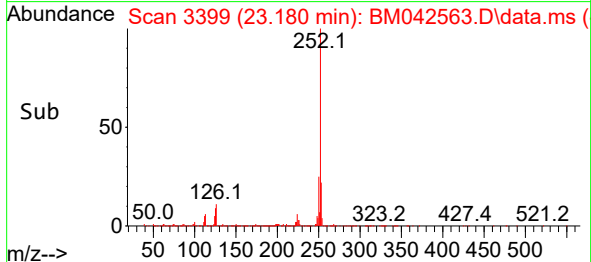
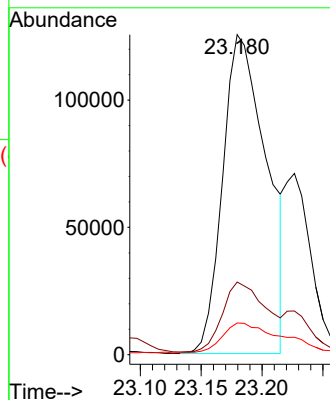
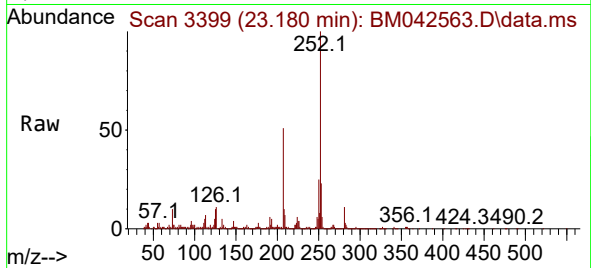




#88
Benzo(b)fluoranthene
Concen: 17.616 ng
RT: 23.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

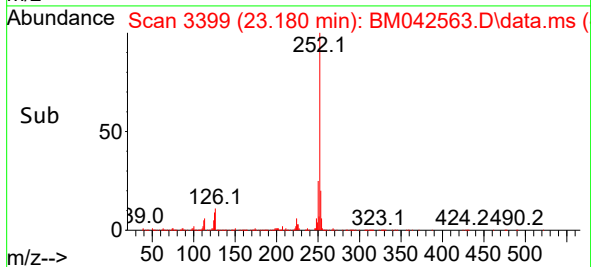
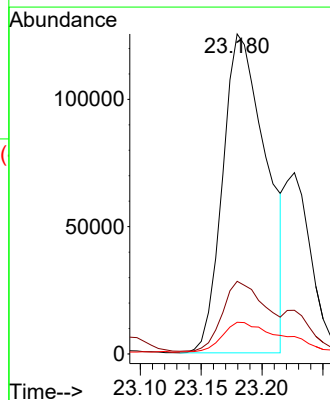
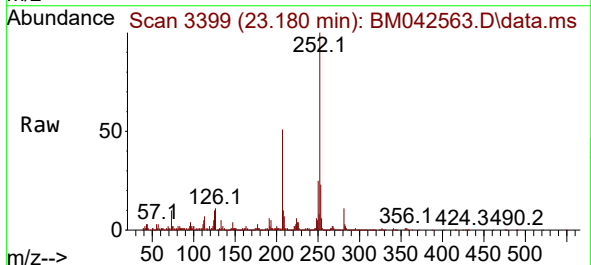
Instrument :
BNA_M
ClientSampleId :
A-8(0-2)DL

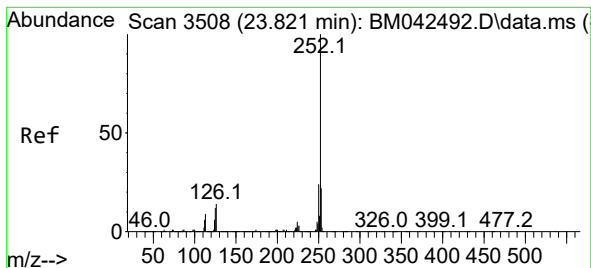
Tgt Ion:252 Resp: 312548
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 9.9 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 15.809 ng
RT: 23.180 min Scan# 3399
Delta R.T. -0.053 min
Lab File: BM042563.D
Acq: 02 Nov 2023 16:13

Tgt Ion:252 Resp: 312548
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.9 8.2 12.4





#90

Benzo(a)pyrene

Concen: 12.062 ng

RT: 23.821 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL

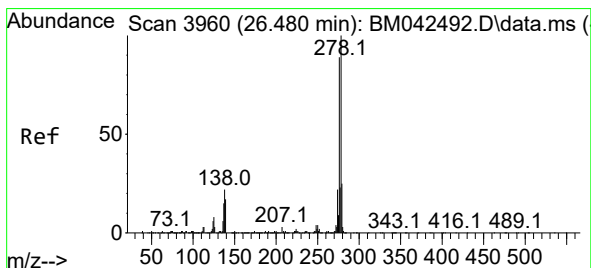
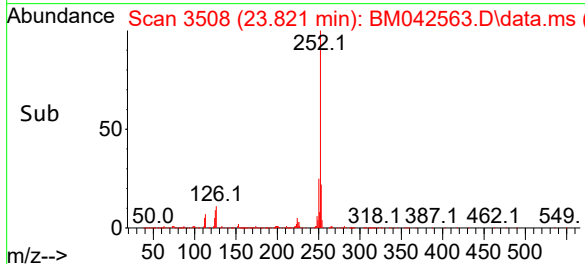
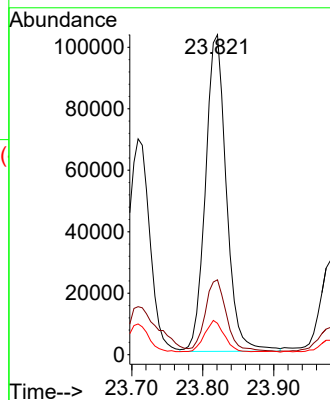
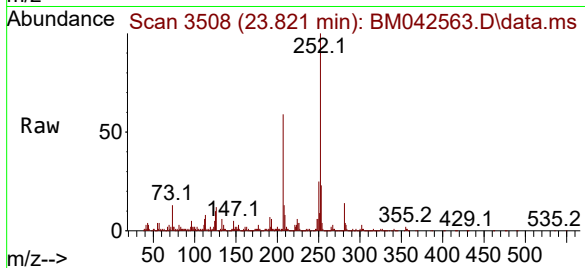
Tgt Ion:252 Resp: 210700

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.8 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 5.849 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.012 min

Lab File: BM042563.D

Acq: 02 Nov 2023 16:13

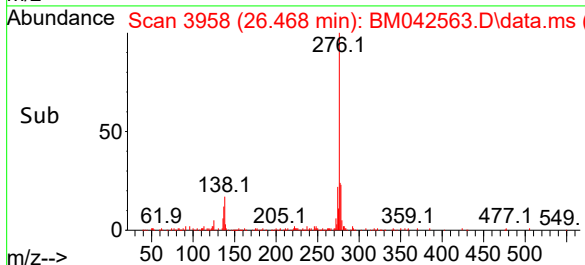
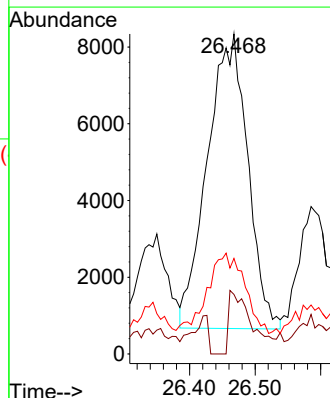
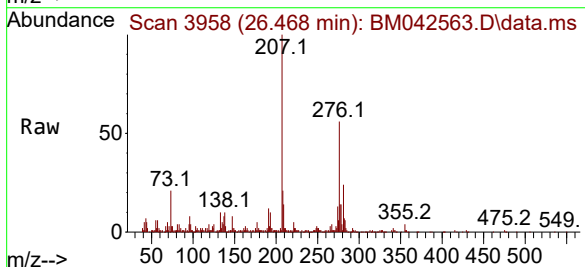
Tgt Ion:278 Resp: 32771

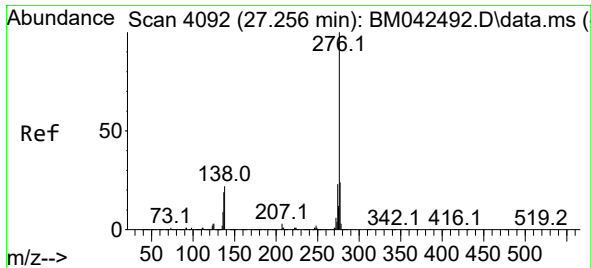
Ion Ratio Lower Upper

278 100

139 18.6 13.4 20.2

279 29.8 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 9.053 ng

RT: 27.250 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM042563.D

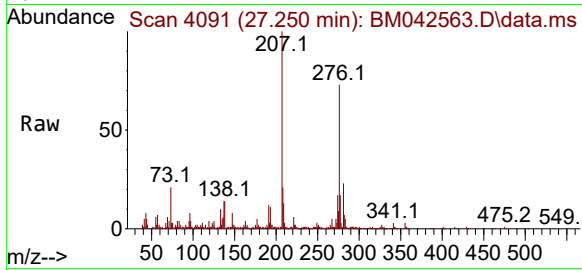
Acq: 02 Nov 2023 16:13

Instrument :

BNA_M

ClientSampleId :

A-8(0-2)DL



Tgt Ion:276 Resp: 151243

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 19.7 17.3 25.9

