

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042697.D
 Acq On : 10 Nov 2023 18:34
 Operator : MA/JU
 Sample : 05291-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 23:04:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 13:21:00 2023
 Response via : Initial Calibration

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

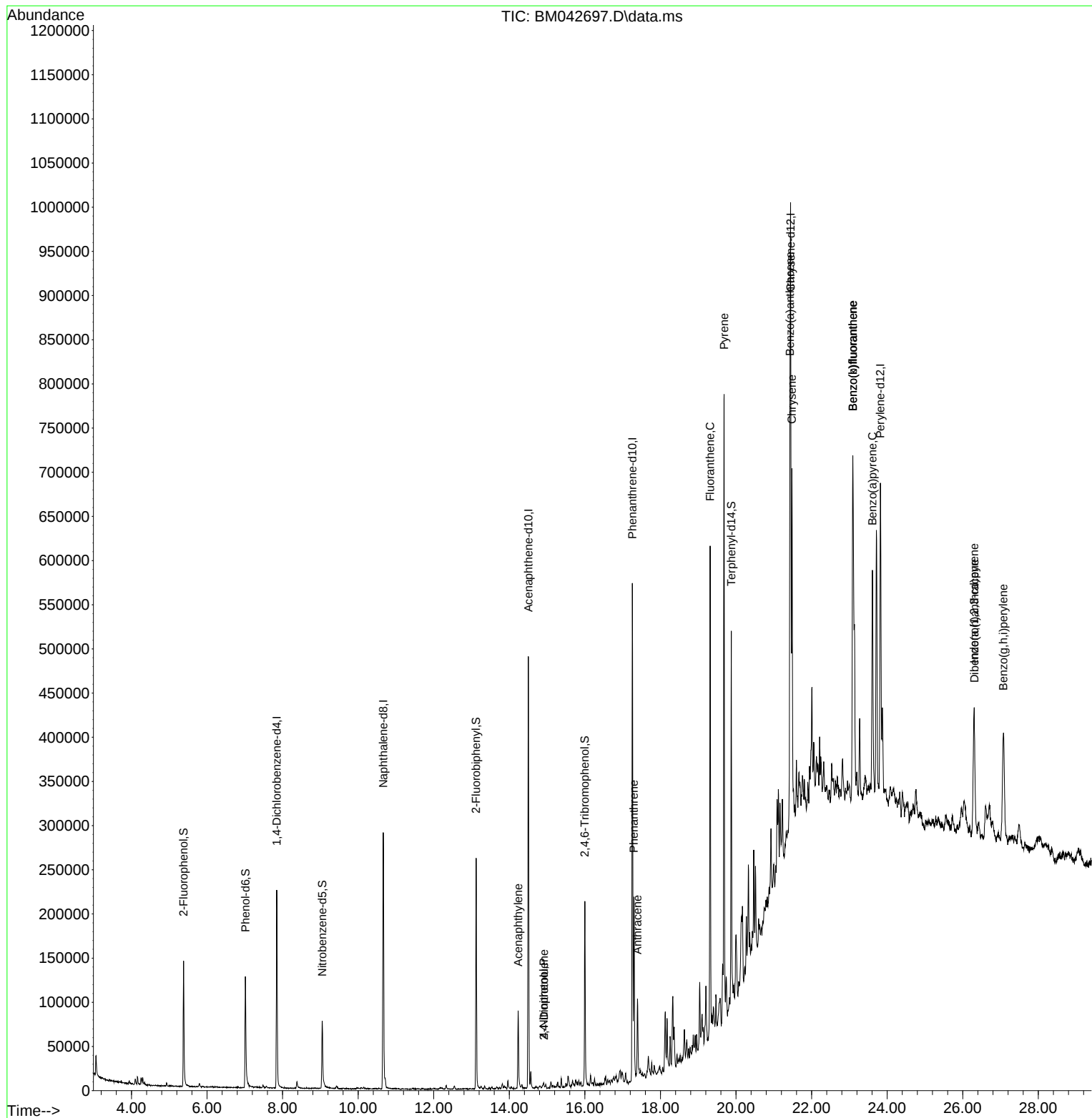
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	54885	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	219245	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	149094	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	320914	20.000	ng	# 0.00
76) Chrysene-d12	21.444	240	256225	20.000	ng	# 0.00
86) Perylene-d12	23.821	264	285332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	55988	16.463	ng	0.00
7) Phenol-d6	7.016	99	67113	14.389	ng	0.00
23) Nitrobenzene-d5	9.051	82	51654	10.983	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	34295	17.618	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	125954	11.368	ng	0.00
79) Terphenyl-d14	19.874	244	187213	12.389	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.233	152	63804	4.608	ng	98
56) 4-Nitrophenol	14.909	139	1393	7.563	ng	# 1
57) 2,4-Dinitrotoluene	14.915	165	62	3.988	ng	# 19
71) Phenanthrene	17.298	178	114433	6.823	ng	99
72) Anthracene	17.392	178	57779	3.478	ng	98
75) Fluoranthene	19.315	202	306138	15.540	ng	97
78) Pyrene	19.686	202	430974	24.495	ng	98
81) Benzo(a)anthracene	21.427	228	225223	13.815	ng	95
83) Chrysene	21.480	228	213864	12.915	ng	95
87) Indeno(1,2,3-cd)pyrene	26.303	276	156719	9.228	ng	# 89
88) Benzo(b)fluoranthene	23.091	252	471764	29.677	ng	97
89) Benzo(k)fluoranthene	23.091	252	471764	26.633	ng	# 97
90) Benzo(a)pyrene	23.609	252	181286	11.583	ng	99
91) Dibenzo(a,h)anthracene	26.309	278	45996	6.819	ng	# 75
92) Benzo(g,h,i)perylene	27.073	276	167340	11.180	ng	# 95

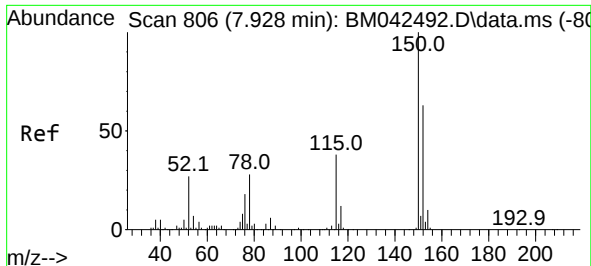
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 09 13:21:00 2023
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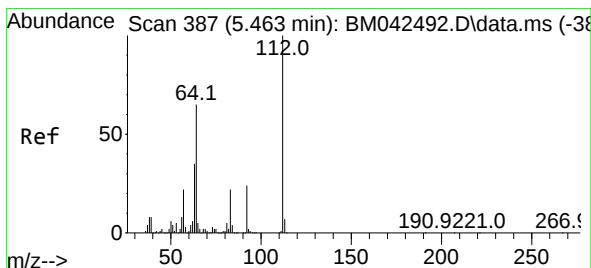
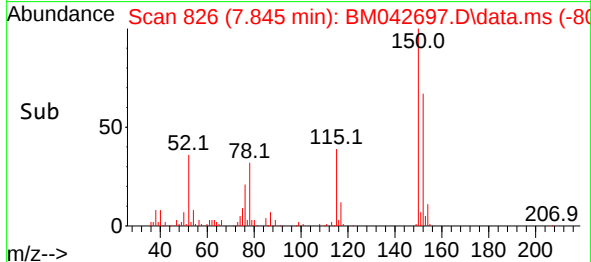
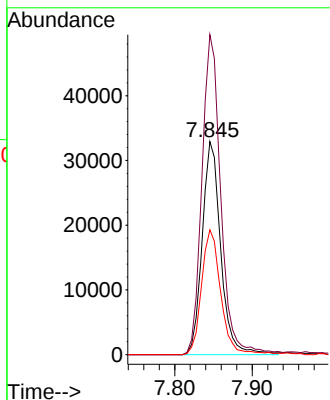
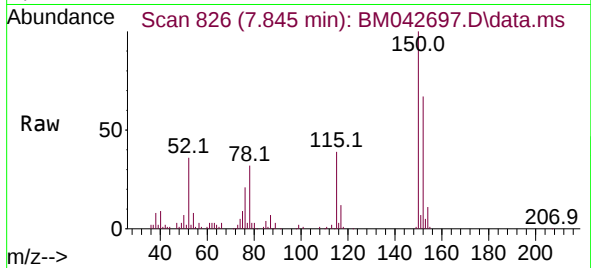




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

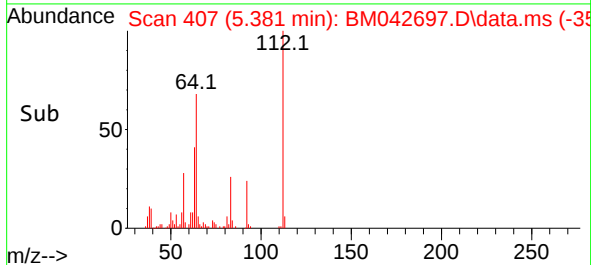
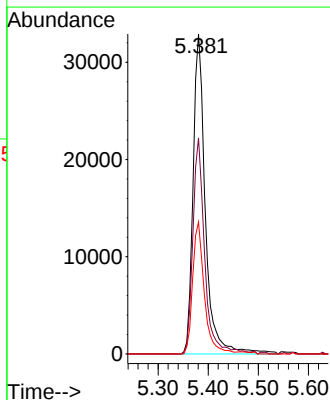
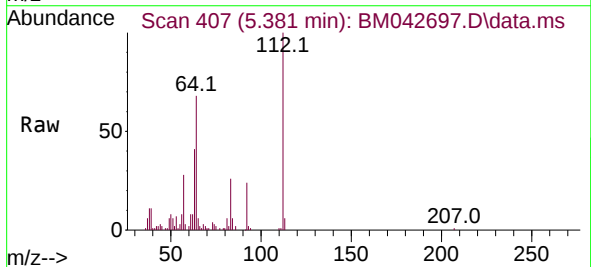
Instrument :
BNA_M
ClientSampleId :

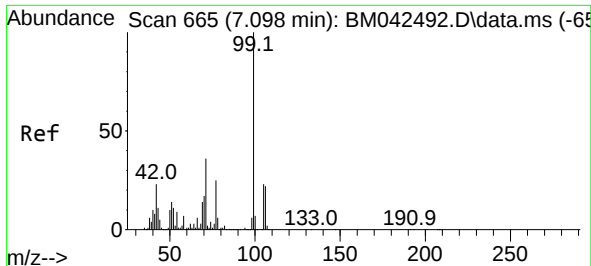
Tgt Ion:152 Resp: 54885
Ion Ratio Lower Upper
152 100
150 150.2 127.4 191.0
115 58.6 47.9 71.9



#5
2-Fluorophenol
Concen: 16.463 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:112 Resp: 55988
Ion Ratio Lower Upper
112 100
64 67.5 52.1 78.1
63 41.2 28.3 42.5

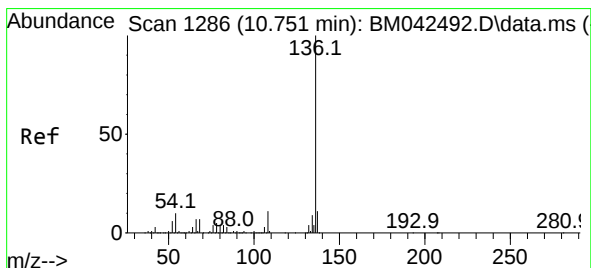
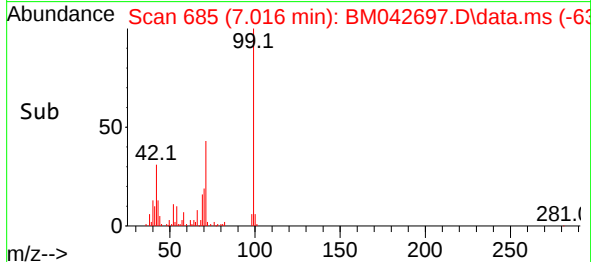
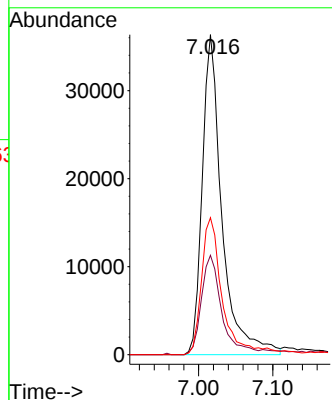
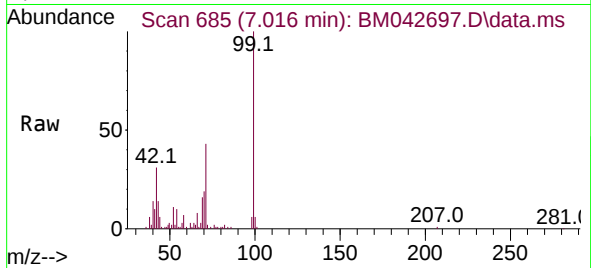




#7
Phenol-d6
Concen: 14.389 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

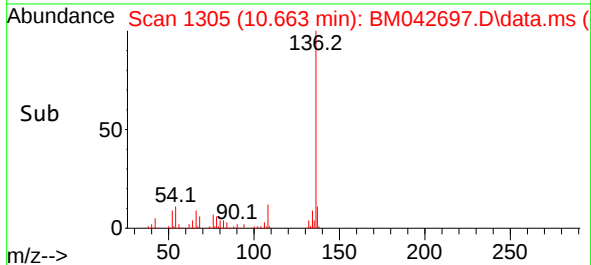
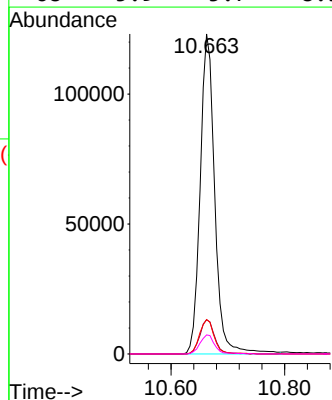
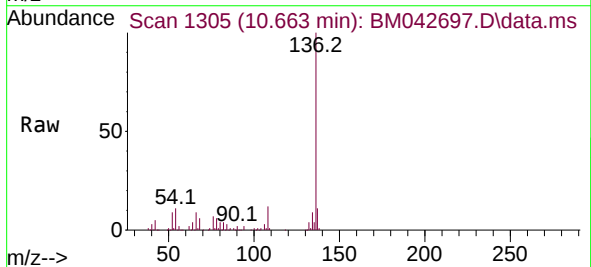
Instrument :
BNA_M
ClientSampleId :

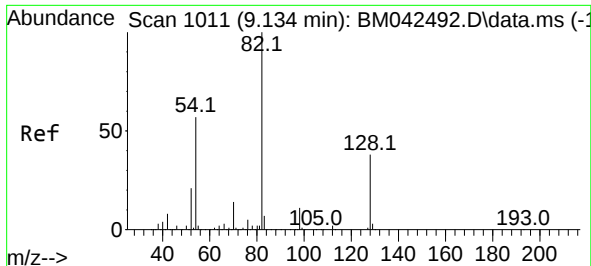
Tgt Ion: 99 Resp: 67113
Ion Ratio Lower Upper
99 100
42 31.0 18.7 28.1#
71 42.8 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion: 136 Resp: 219245
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.8 8.0 12.0
68 5.9 5.7 8.5





#23

Nitrobenzene-d5

Concen: 10.983 ng

RT: 9.051 min Scan# 1011

Delta R.T. -0.000 min

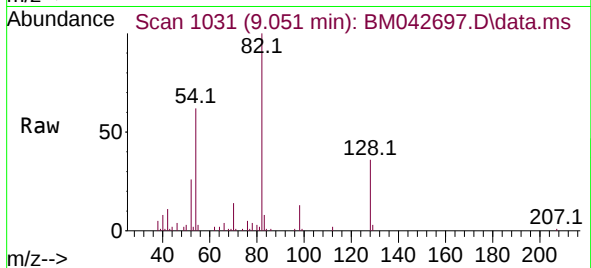
Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

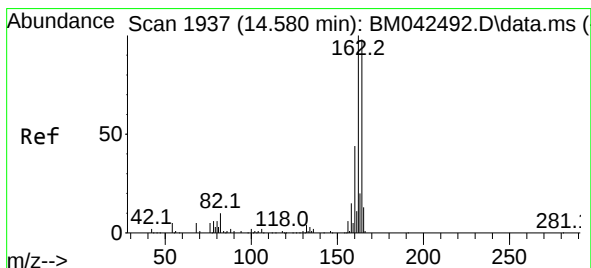
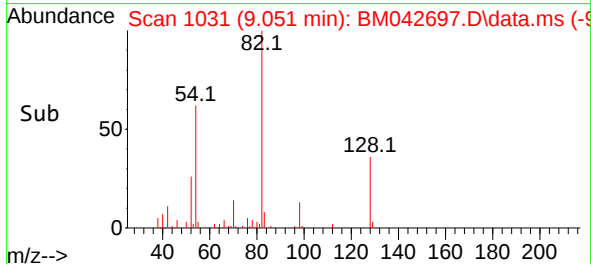
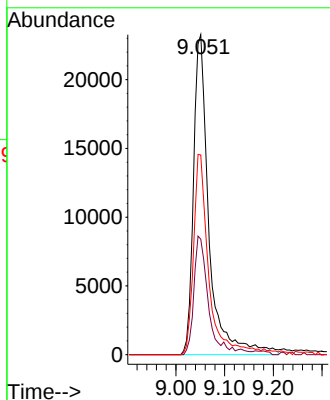
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	82	Resp:	51654
Ion Ratio	Lower	Upper	
82	100		
128	36.1	30.7	46.1
54	62.4	45.3	67.9



#39

Acenaphthene-d10

Concen: 20.000 ng

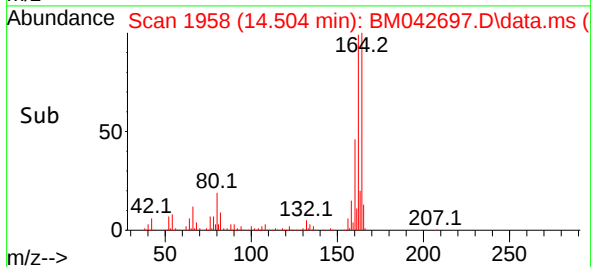
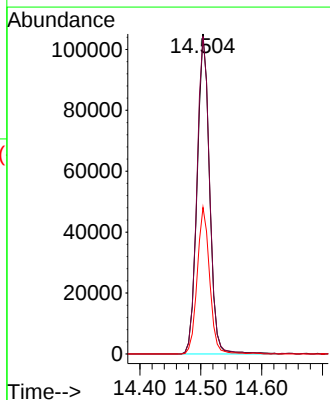
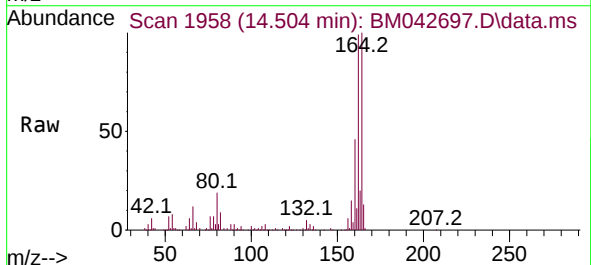
RT: 14.504 min Scan# 1958

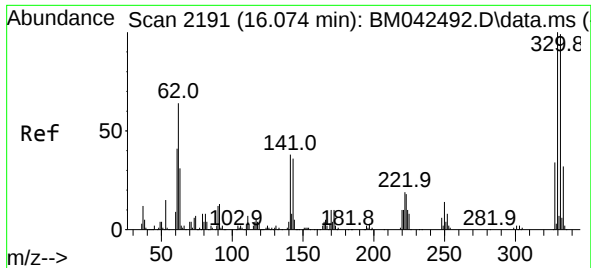
Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

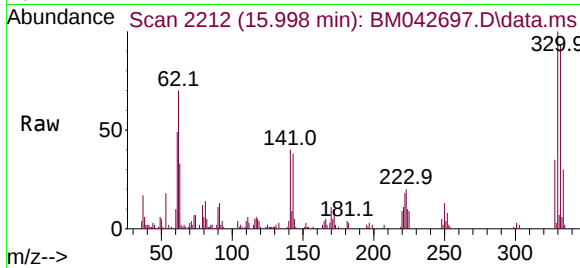
Tgt Ion:	164	Resp:	149094
Ion Ratio	Lower	Upper	
164	100		
162	99.3	81.6	122.4
160	45.8	36.2	54.4



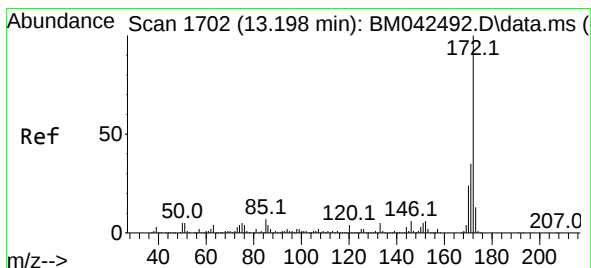
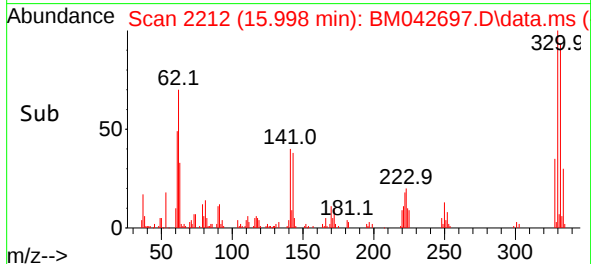
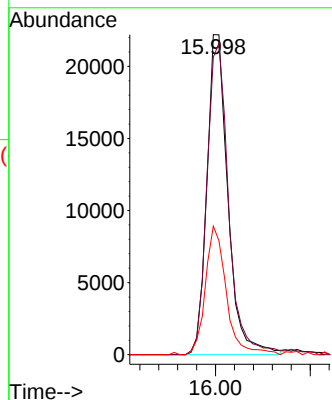


#42
2,4,6-Tribromophenol
Concen: 17.618 ng
RT: 15.998 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :

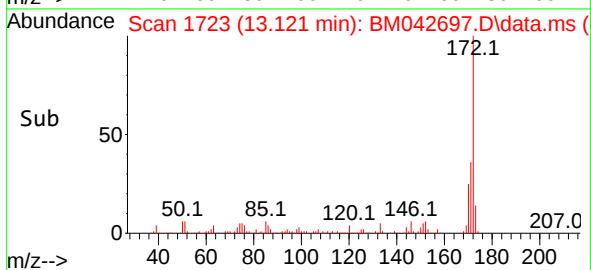
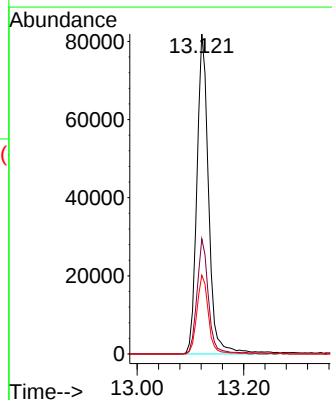
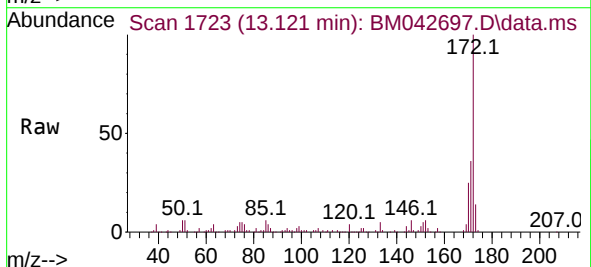


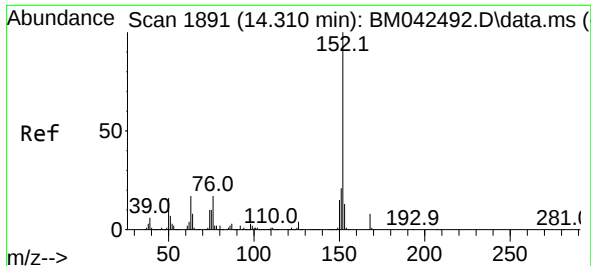
Tgt Ion:330 Resp: 34295
Ion Ratio Lower Upper
330 100
332 100.3 78.8 118.2
141 39.8 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 11.368 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:172 Resp: 125954
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.2
170 24.6 19.0 28.4

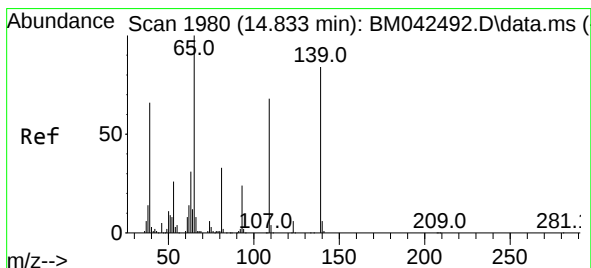
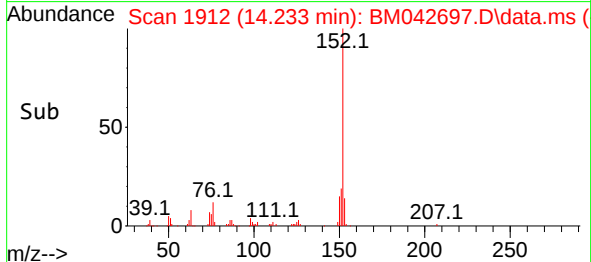
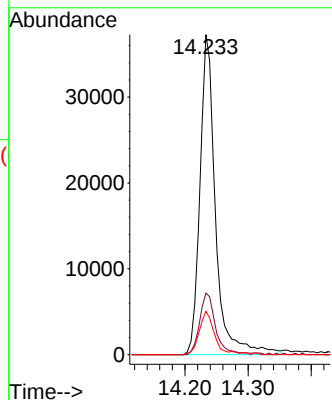
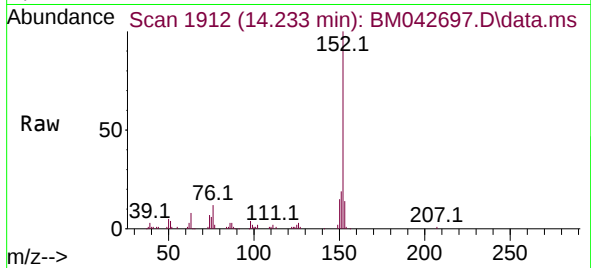




#49
Acenaphthylene
Concen: 4.608 ng
RT: 14.233 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

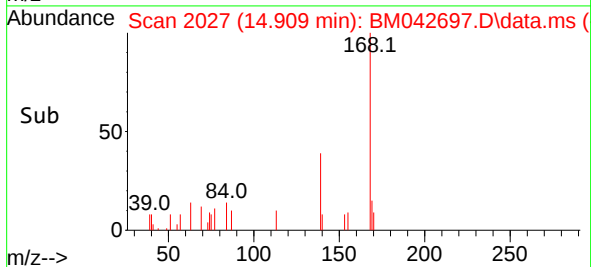
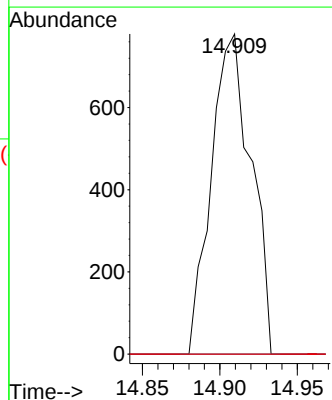
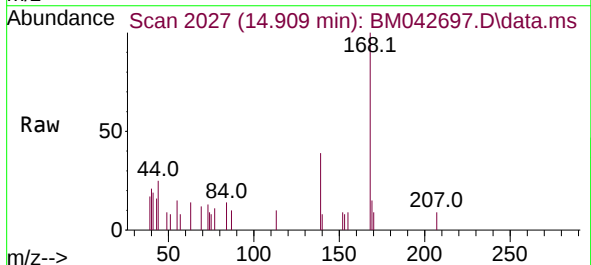
Instrument :
BNA_M
ClientSampleId :

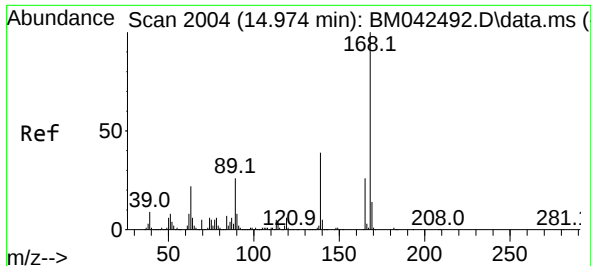
Tgt Ion:152 Resp: 63804
Ion Ratio Lower Upper
152 100
151 19.2 16.4 24.6
153 13.5 10.4 15.6



#56
4-Nitrophenol
Concen: 7.563 ng
RT: 14.909 min Scan# 2027
Delta R.T. 0.153 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

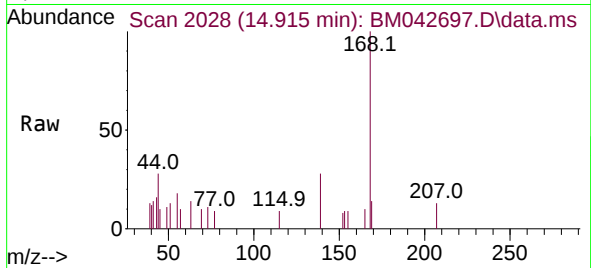
Tgt Ion:139 Resp: 1393
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



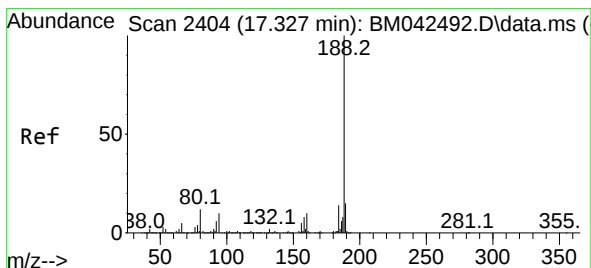
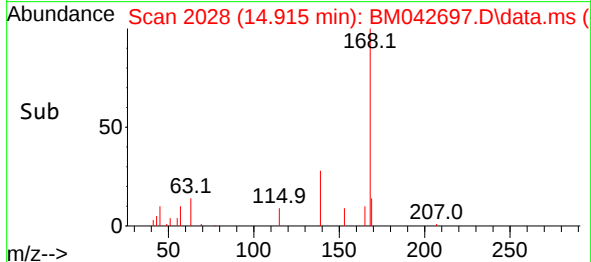
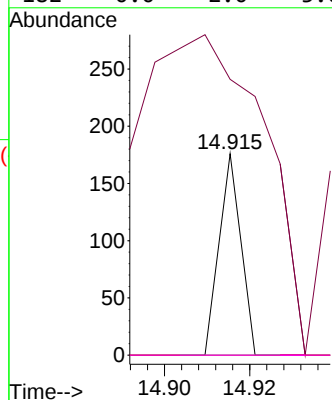


#57
2,4-Dinitrotoluene
Concen: 3.988 ng
RT: 14.915 min Scan# 20
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Instrument :
BNA_M
ClientSampleId :

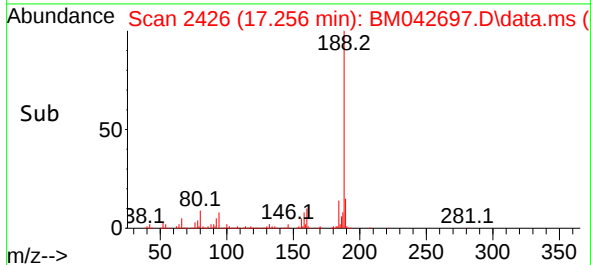
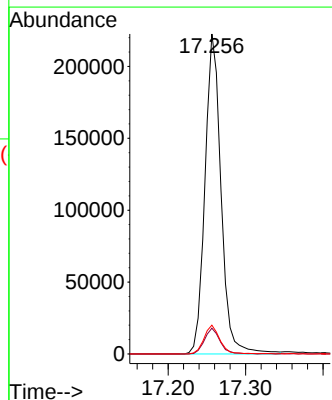
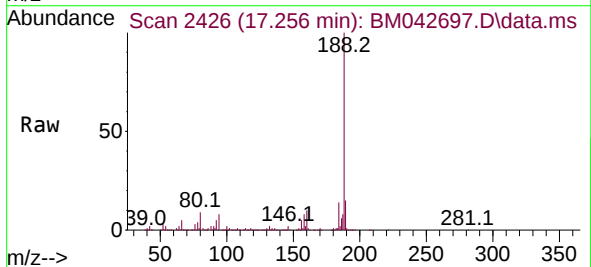


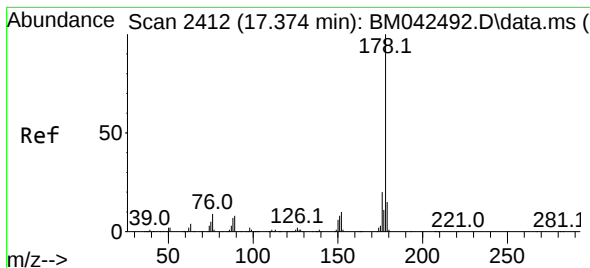
Tgt Ion:165 Resp: 62
Ion Ratio Lower Upper
165 100
63 136.9 66.7 100.1#
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:188 Resp: 320914
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.4#
80 9.0 9.4 14.2#





#71

Phenanthrene

Concen: 6.823 ng

RT: 17.298 min Scan# 2449

Delta R.T. -0.000 min

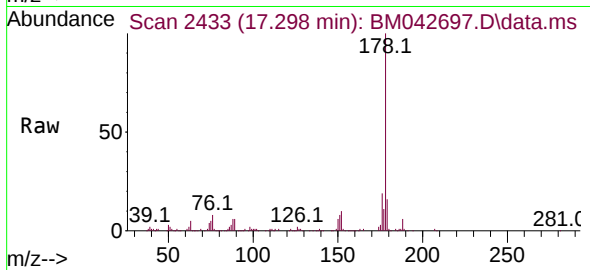
Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :



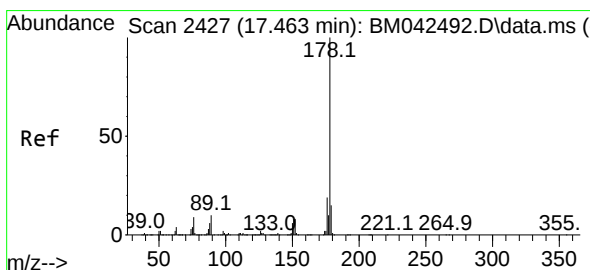
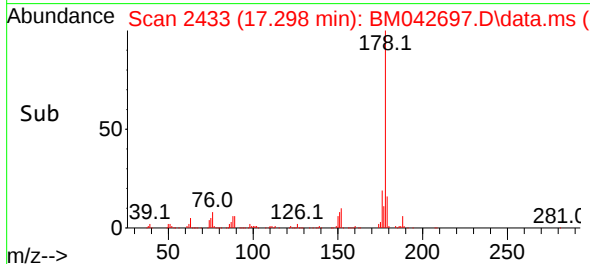
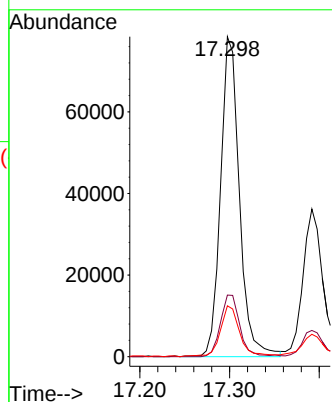
Tgt Ion:178 Resp: 114433

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 15.9 12.2 18.4



#72

Anthracene

Concen: 3.478 ng

RT: 17.392 min Scan# 2449

Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

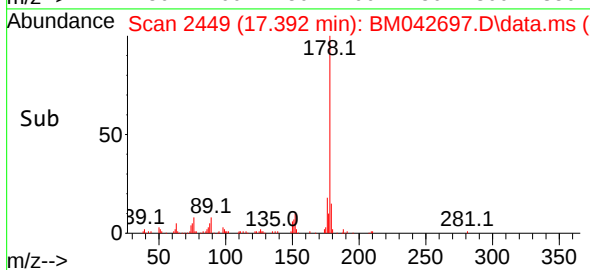
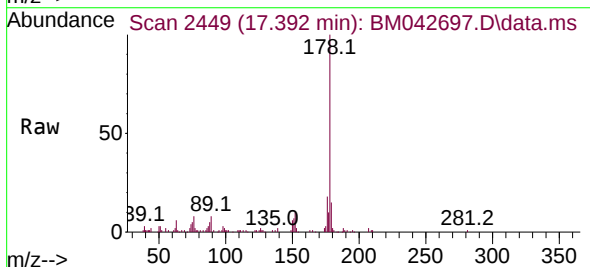
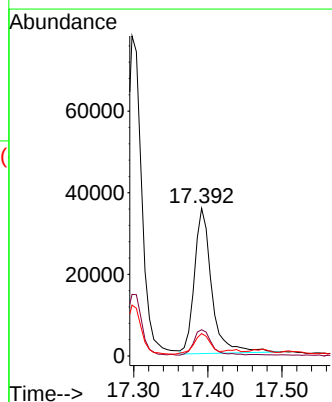
Tgt Ion:178 Resp: 57779

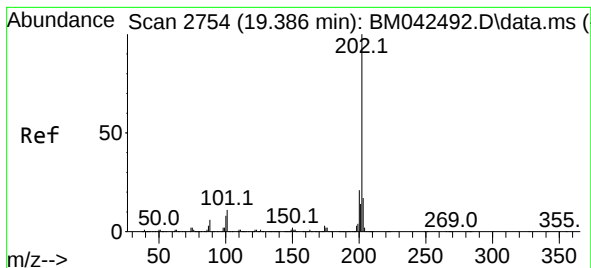
Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

179 15.1 12.3 18.5





#75

Fluoranthene

Concen: 15.540 ng

RT: 19.315 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

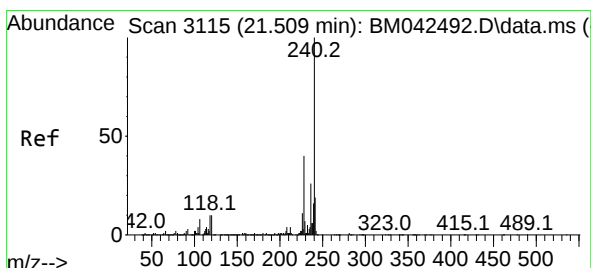
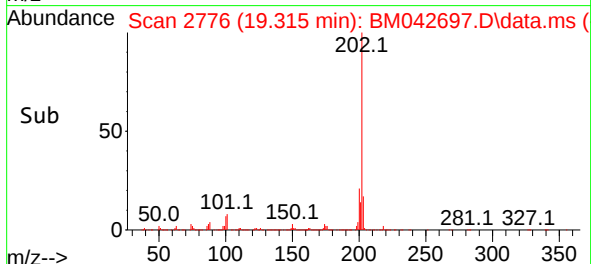
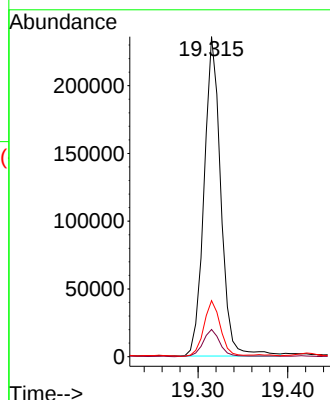
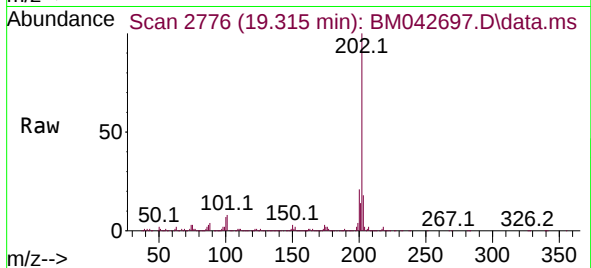
Tgt Ion:202 Resp: 306138

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.5

203 17.5 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3138

Delta R.T. 0.006 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

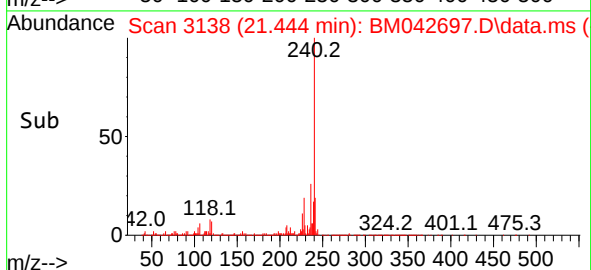
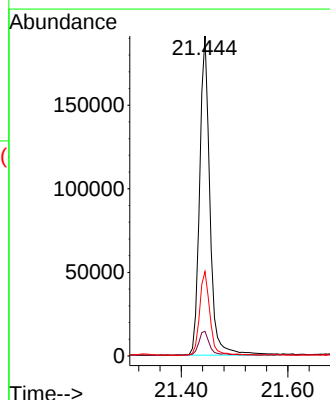
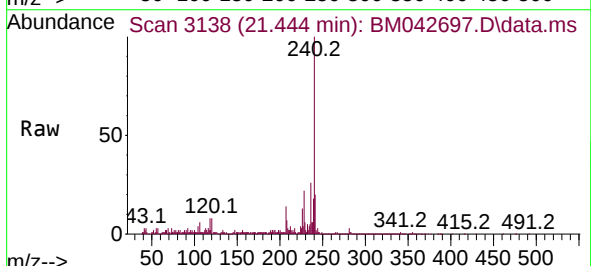
Tgt Ion:240 Resp: 256225

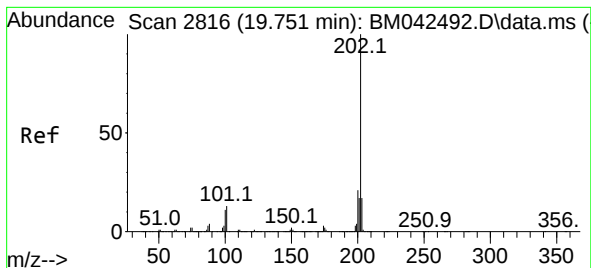
Ion Ratio Lower Upper

240 100

120 7.7 8.3 12.5#

236 26.4 20.8 31.2





#78

Pyrene

Concen: 24.495 ng

RT: 19.686 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

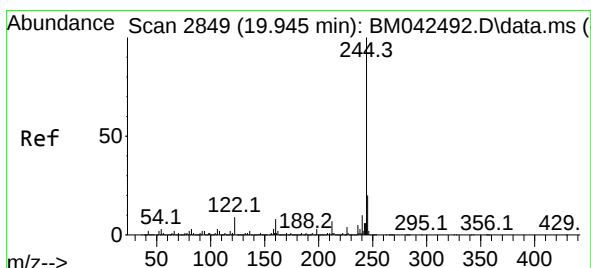
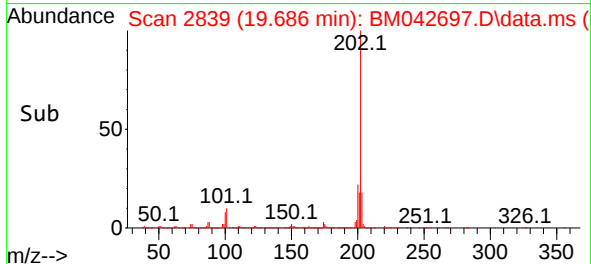
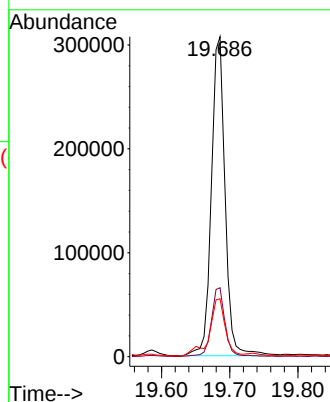
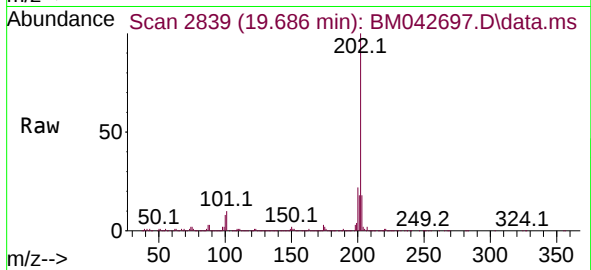
Tgt Ion:202 Resp: 430974

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 18.1 13.7 20.5



#79

Terphenyl-d14

Concen: 12.389 ng

RT: 19.874 min Scan# 2871

Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

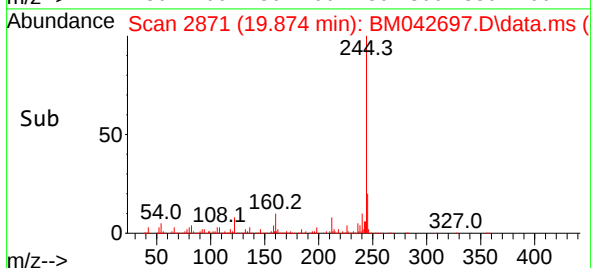
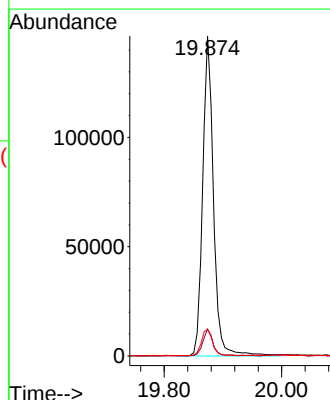
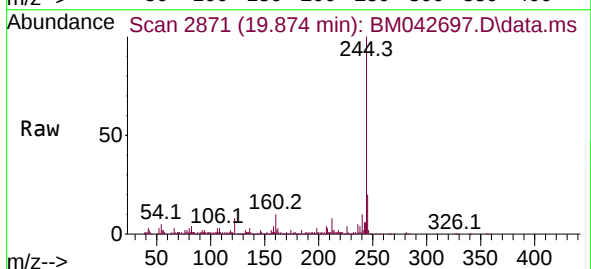
Tgt Ion:244 Resp: 187213

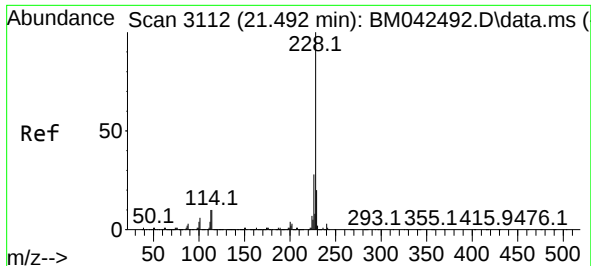
Ion Ratio Lower Upper

244 100

212 8.4 5.4 8.2#

122 8.4 7.2 10.8

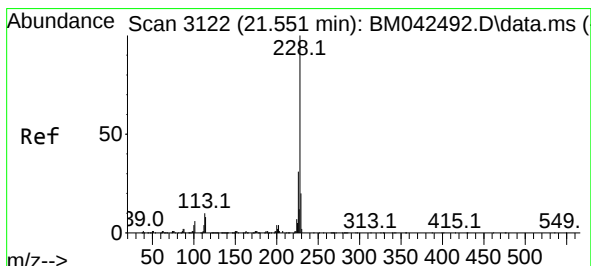
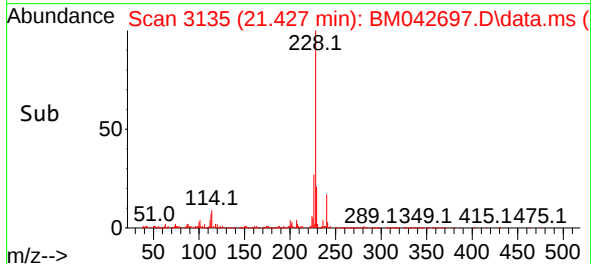
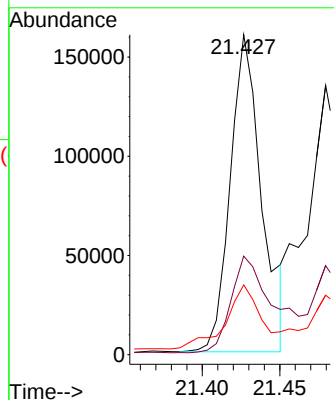
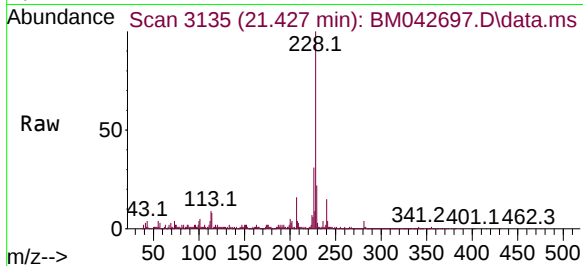




#81
Benzo(a)anthracene
Concen: 13.815 ng
RT: 21.427 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

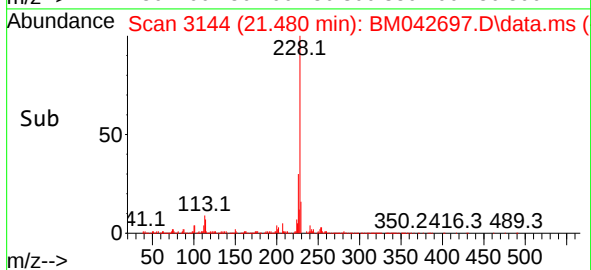
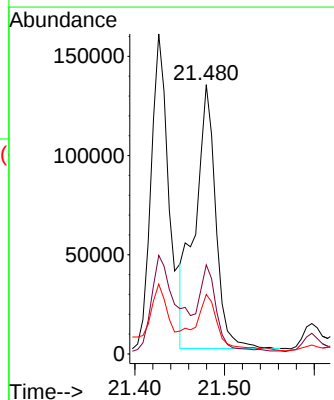
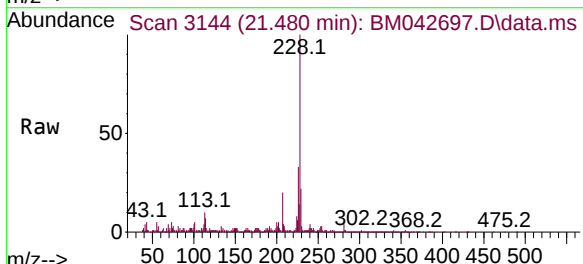
Instrument :
BNA_M
ClientSampleId :

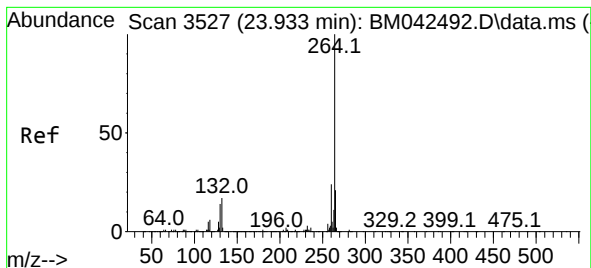
Tgt Ion:228 Resp: 225223
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 21.8 15.8 23.8



#83
Chrysene
Concen: 12.915 ng
RT: 21.480 min Scan# 3144
Delta R.T. -0.000 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:228 Resp: 213864
Ion Ratio Lower Upper
228 100
226 33.1 24.4 36.6
229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

Instrument :

BNA_M

ClientSampleId :

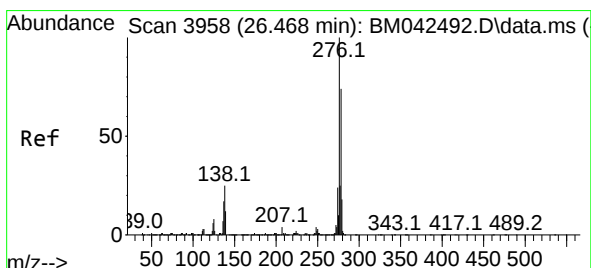
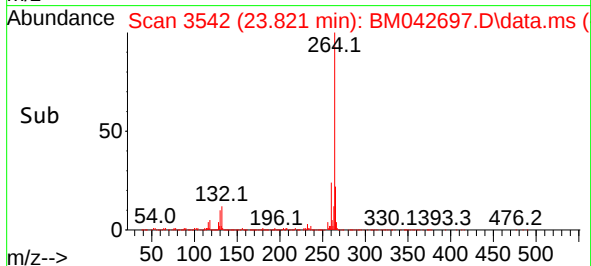
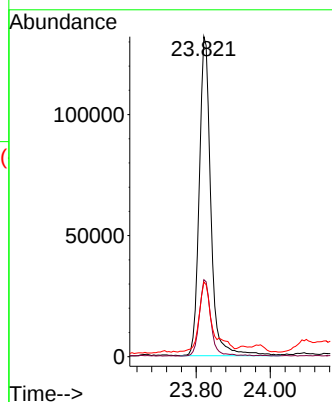
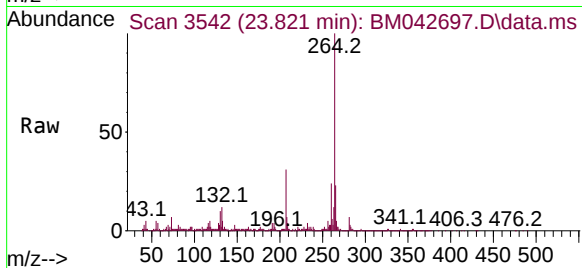
Tgt Ion:264 Resp: 285332

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 23.3 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.228 ng

RT: 26.303 min Scan# 3964

Delta R.T. -0.000 min

Lab File: BM042697.D

Acq: 10 Nov 2023 18:34

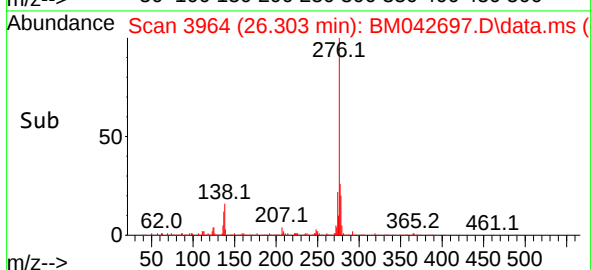
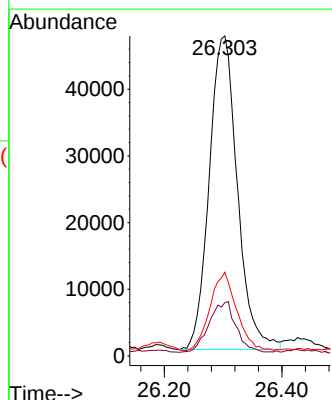
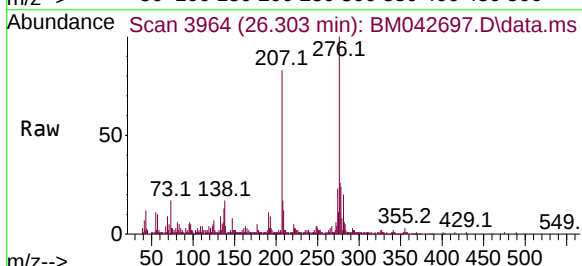
Tgt Ion:276 Resp: 156719

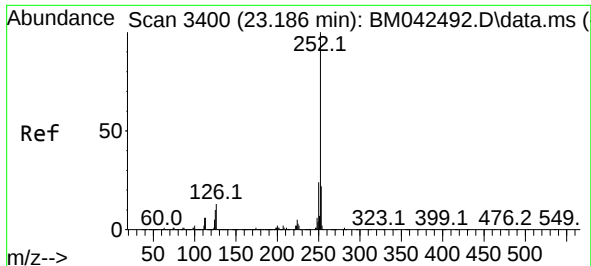
Ion Ratio Lower Upper

276 100

138 15.4 20.6 31.0#

277 23.6 19.5 29.3

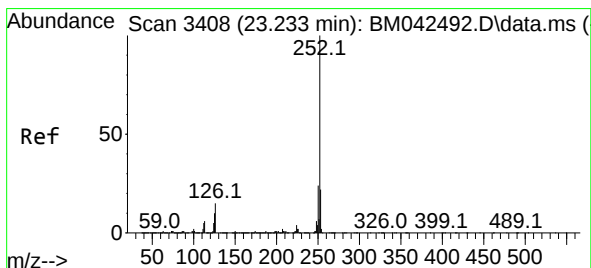
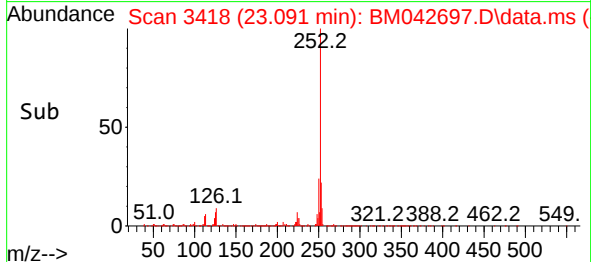
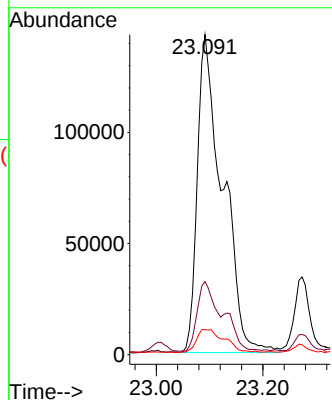
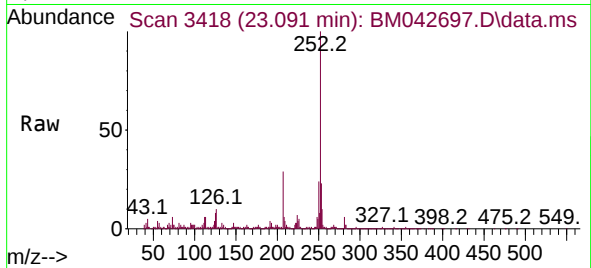




#88
Benzo(b)fluoranthene
Concen: 29.677 ng
RT: 23.091 min Scan# 3418
Delta R.T. 0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

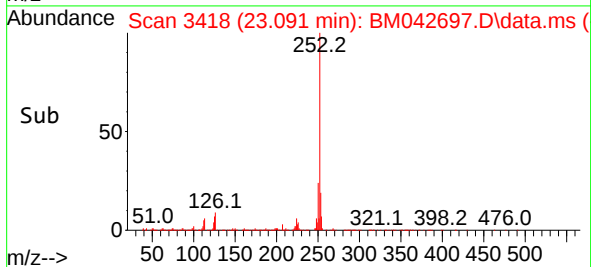
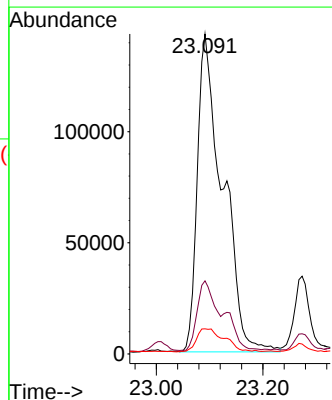
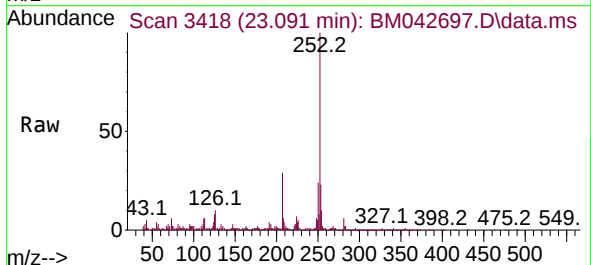
Instrument :
BNA_M
ClientSampleId :

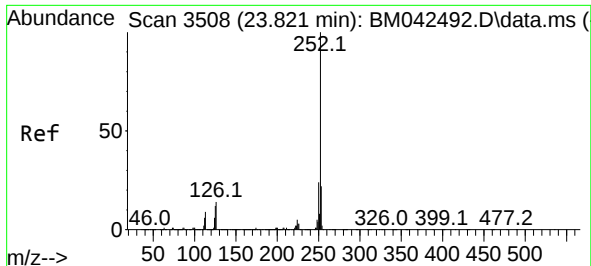
Tgt Ion:252 Resp: 471764
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 7.9 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 26.633 ng
RT: 23.091 min Scan# 3418
Delta R.T. -0.047 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

Tgt Ion:252 Resp: 471764
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 7.9 8.2 12.4#

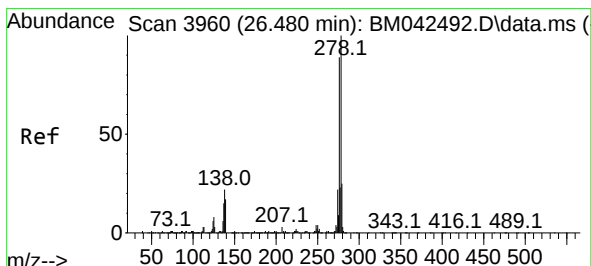
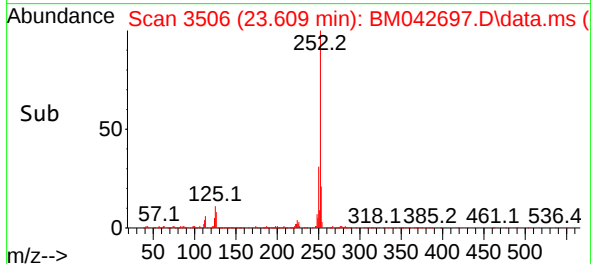
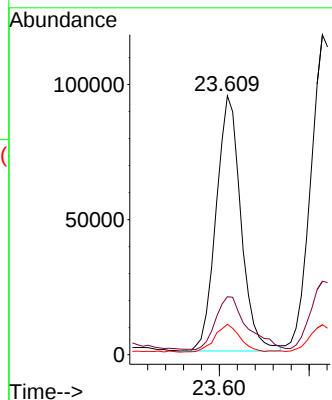
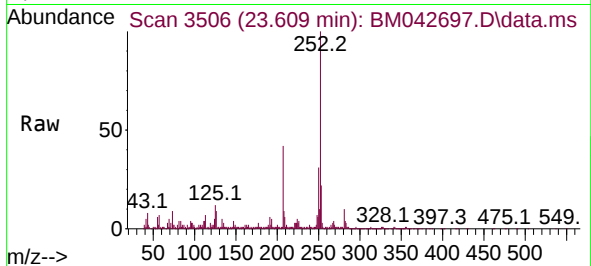




#90
Benzo(a)pyrene
Concen: 11.583 ng
RT: 23.609 min Scan# 31
Delta R.T. -0.106 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

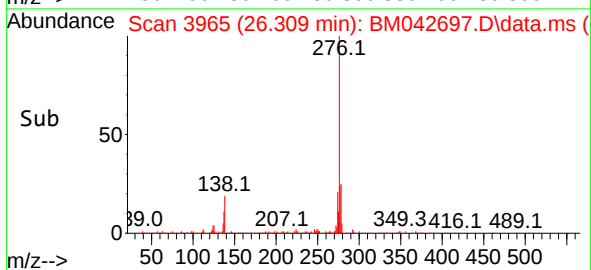
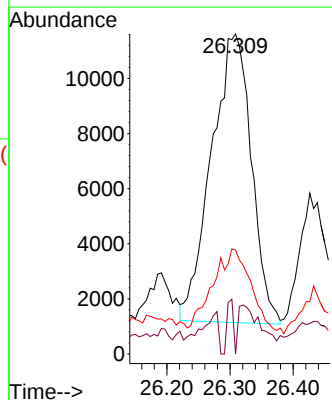
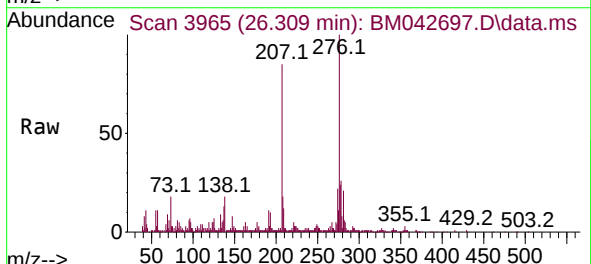
Instrument :
BNA_M
ClientSampleId :

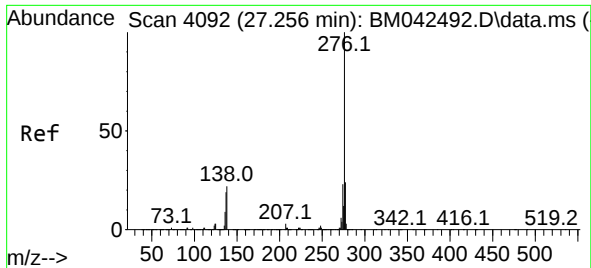
Tgt Ion:252 Resp: 181286
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.7 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 6.819 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BM042697.D
Acq: 10 Nov 2023 18:34

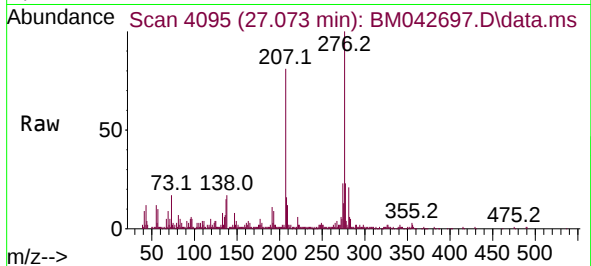
Tgt Ion:278 Resp: 45996
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.2#
279 32.5 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 11.180 ng
 RT: 27.073 min Scan# 4095
 Delta R.T. -0.006 min
 Lab File: BM042697.D
 Acq: 10 Nov 2023 18:34

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:276 Resp: 167340
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.2 28.8
 138 17.0 17.3 25.9#

