

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042694.D
 Acq On : 10 Nov 2023 16:46
 Operator : MA/JU
 Sample : 05279-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 17:21:26 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

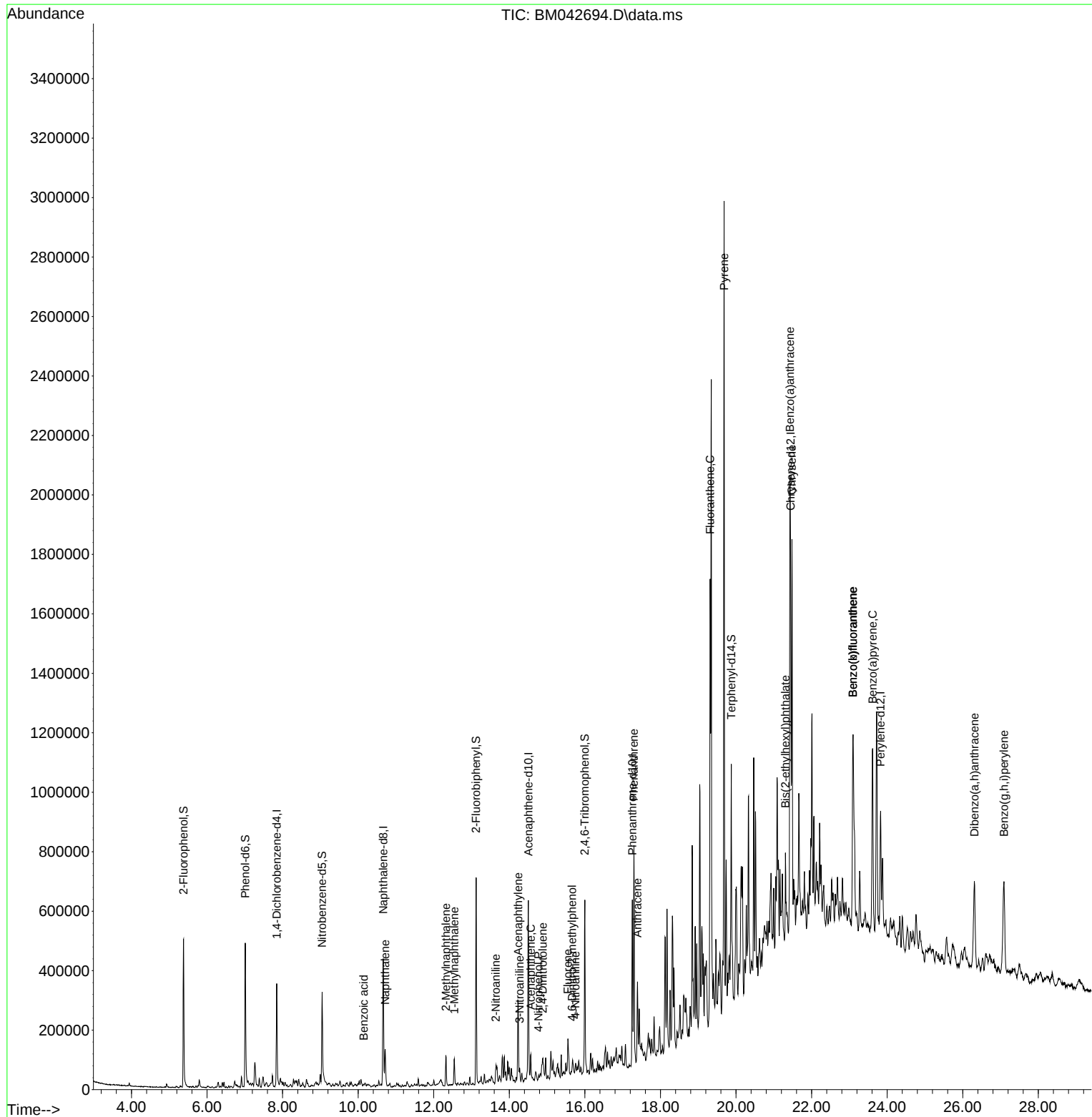
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	78666	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	308178	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	181899	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	322985	20.000	ng	# 0.00
76) Chrysene-d12	21.444	240	309172	20.000	ng	# 0.00
86) Perylene-d12	23.827	264	337833	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	185835	38.125	ng	0.00
7) Phenol-d6	7.010	99	243862	36.479	ng	0.00
23) Nitrobenzene-d5	9.045	82	181144	27.401	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	87947	37.033	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	314566	23.270	ng	0.00
79) Terphenyl-d14	19.874	244	312314	17.128	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.716	128	73994	4.647	ng	99
32) Benzoic acid	10.151	122	56	4.125	ng	# 1
37) 2-Methylnaphthalene	12.321	142	43108	3.844	ng	# 83
38) 1-Methylnaphthalene	12.545	142	34492	3.268	ng	# 95
48) 2-Nitroaniline	13.645	65	1047	4.582	ng	# 43
49) Acenaphthylene	14.233	152	185846	11.001	ng	99
52) Acenaphthene	14.568	154	26554	2.590	ng	97
53) 3-Nitroaniline	14.274	138	82	4.375	ng	# 85
56) 4-Nitrophenol	14.774	139	581	7.162	ng	# 77
57) 2,4-Dinitrotoluene	14.886	165	1384	4.270	ng	# 46
58) Fluorene	15.551	166	64277	4.766	ng	98
62) 4-Nitroaniline	15.751	138	150	5.786	ng	85
65) 4,6-Dinitro-2-methylph...	15.662	198	201	5.920	ng	# 1
71) Phenanthrene	17.298	178	402822	23.865	ng	99
72) Anthracene	17.392	178	166654	9.968	ng	99
75) Fluoranthene	19.315	202	801838	40.441	ng	97
78) Pyrene	19.686	202	1342754	63.249	ng	98
81) Benzo(a)anthracene	21.427	228	704146	35.796	ng	94
83) Chrysene	21.480	228	658970	32.979	ng	94
84) Bis(2-ethylhexyl)phtha...	21.309	149	82458	6.017	ng	99
88) Benzo(b)fluoranthene	23.091	252	799346	42.470	ng	99
89) Benzo(k)fluoranthene	23.091	252	799346	38.113	ng	98
90) Benzo(a)pyrene	23.615	252	456001	24.609	ng	99
91) Dibenzo(a,h)anthracene	26.309	278	94087	8.770	ng	95
92) Benzo(g,h,i)perylene	27.091	276	420798	23.745	ng	# 93

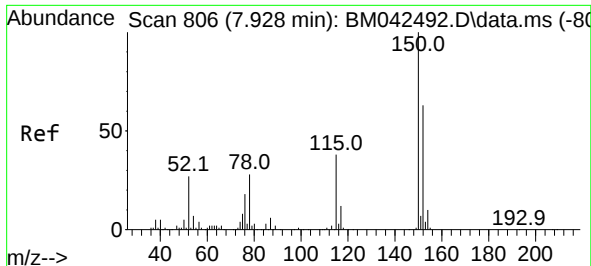
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042694.D
Acq On : 10 Nov 2023 16:46
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

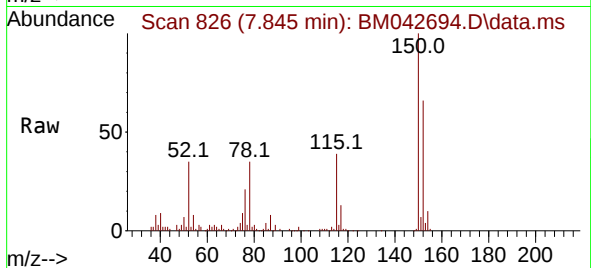
Quant Time: Nov 10 17:21:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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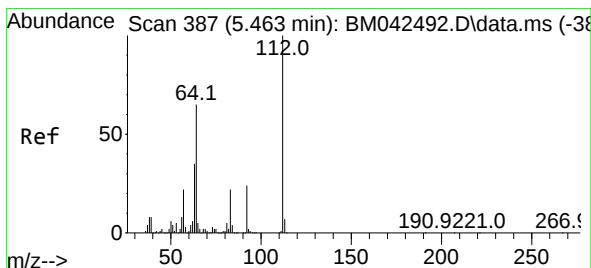
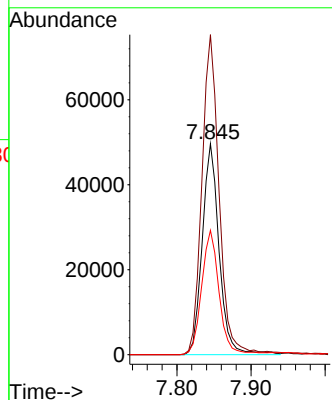
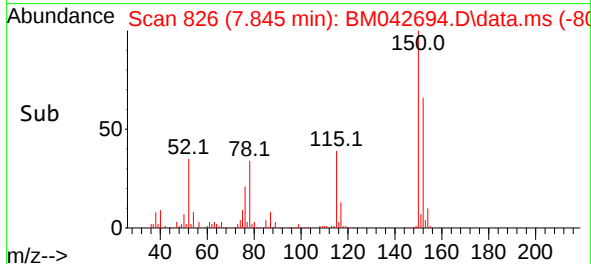


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

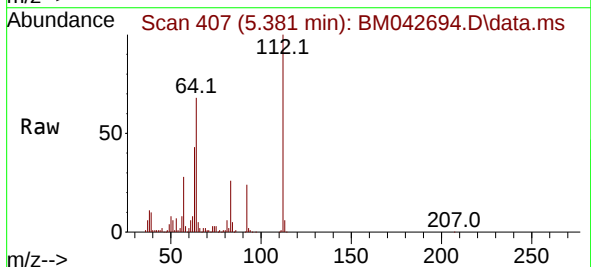
Instrument :
BNA_M
ClientSampleId :



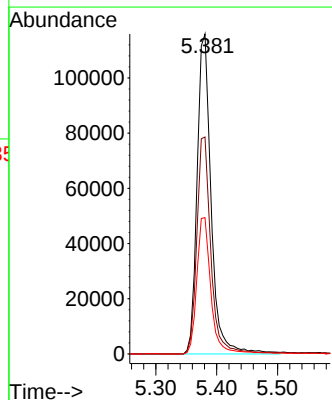
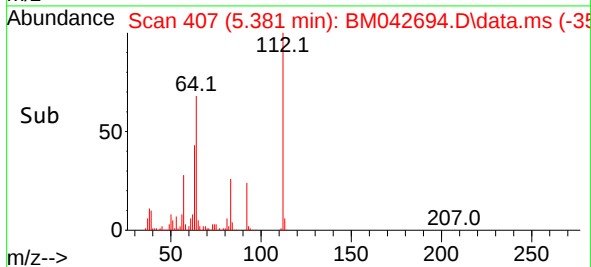
Tgt Ion:152 Resp: 78666
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.0
115 58.9 47.9 71.9

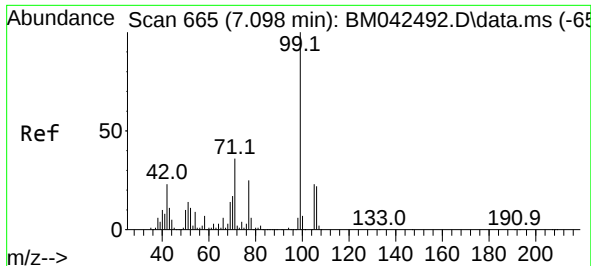


#5
2-Fluorophenol
Concen: 38.125 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46



Tgt Ion:112 Resp: 185835
Ion Ratio Lower Upper
112 100
64 67.8 52.1 78.1
63 42.6 28.3 42.5#

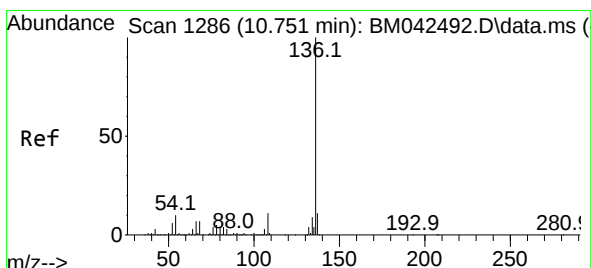
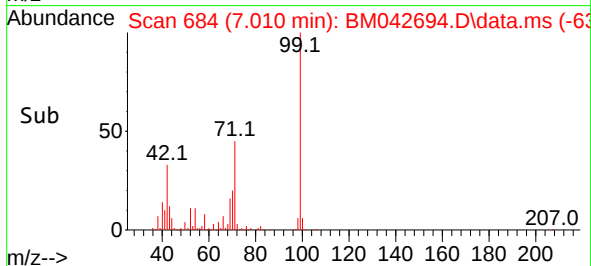
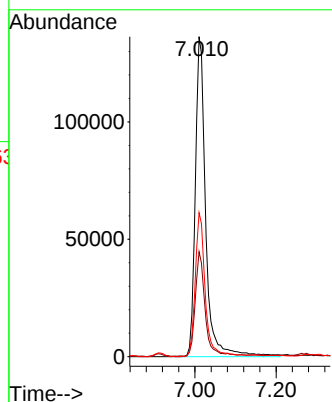
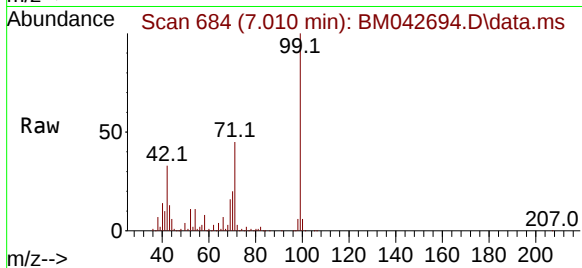




#7
Phenol-d6
Concen: 36.479 ng
RT: 7.010 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

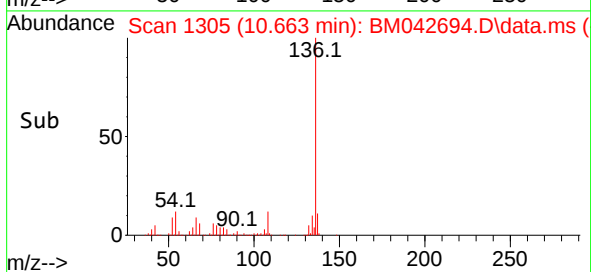
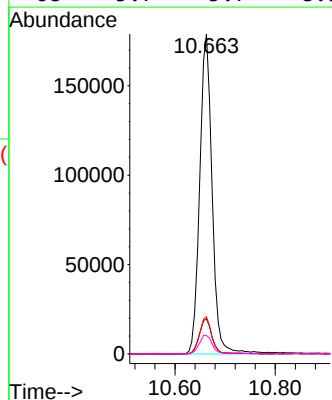
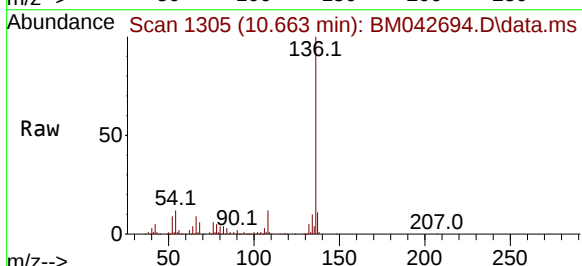
Instrument :
BNA_M
ClientSampleId :

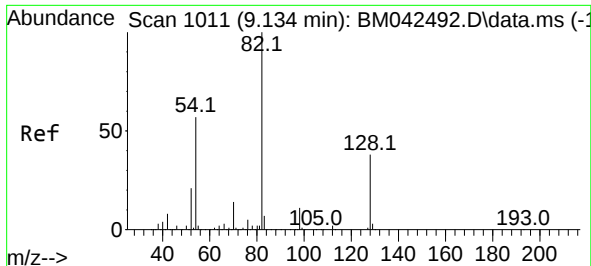
Tgt Ion: 99 Resp: 243862
Ion Ratio Lower Upper
99 100
42 32.8 18.7 28.1#
71 45.0 29.1 43.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:136 Resp: 308178
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 11.6 8.0 12.0
68 5.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 27.401 ng

RT: 9.045 min Scan# 1011

Delta R.T. -0.006 min

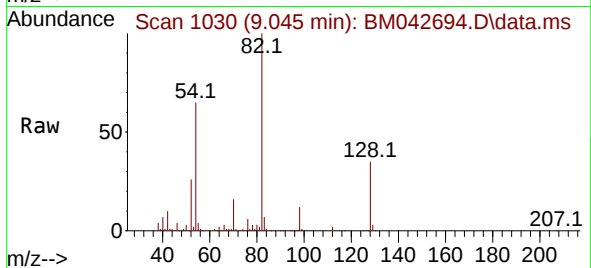
Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :



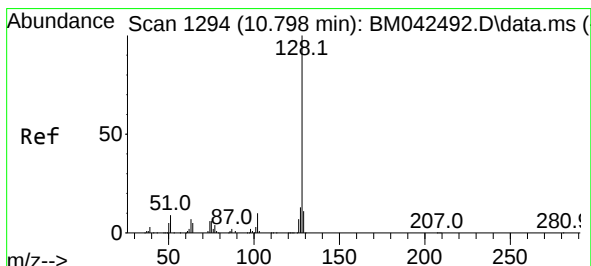
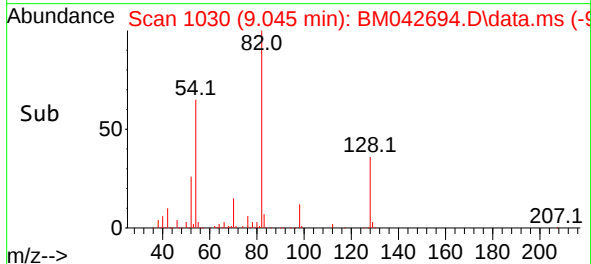
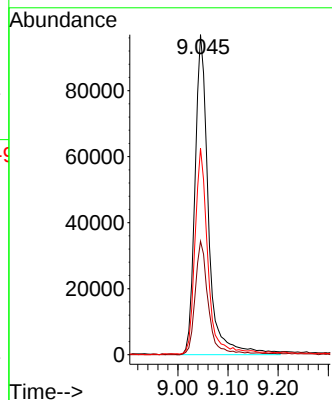
Tgt Ion: 82 Resp: 181144

Ion Ratio Lower Upper

82 100

128 35.5 30.7 46.1

54 64.5 45.3 67.9



#31

Naphthalene

Concen: 4.647 ng

RT: 10.716 min Scan# 1314

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

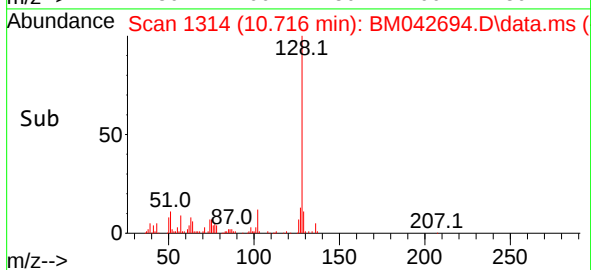
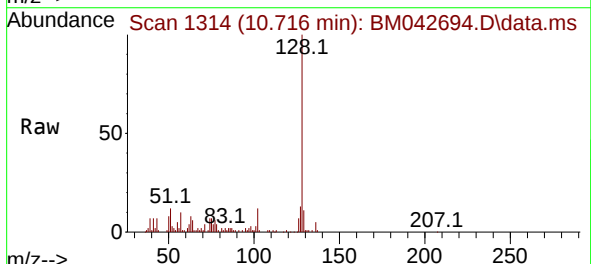
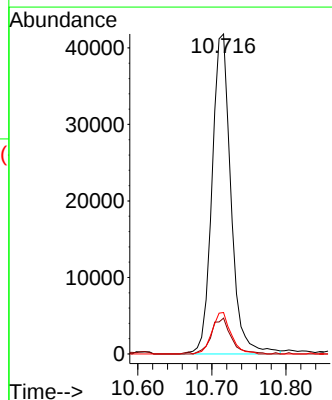
Tgt Ion: 128 Resp: 73994

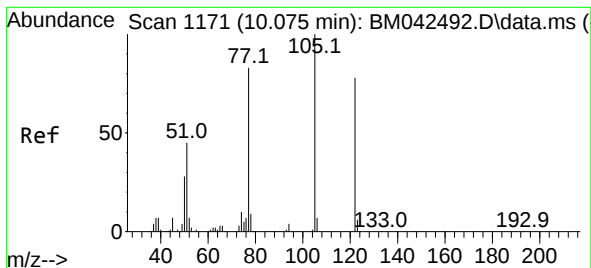
Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.9 10.6 15.8





#32

Benzoic acid

Concen: 4.125 ng

RT: 10.151 min Scan# 1171

Delta R.T. 0.159 min

Lab File: BM042694.D

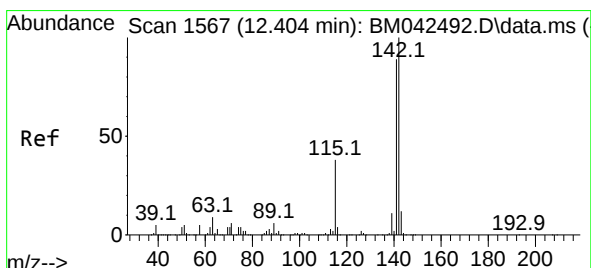
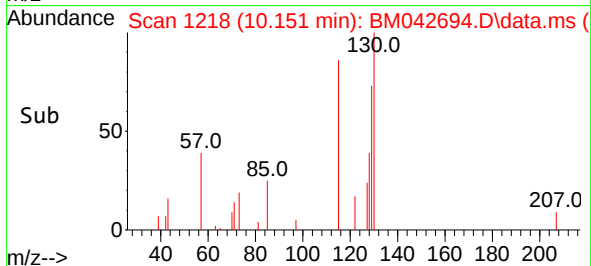
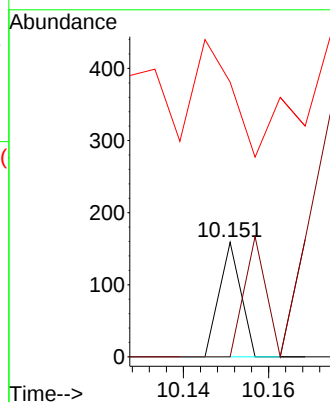
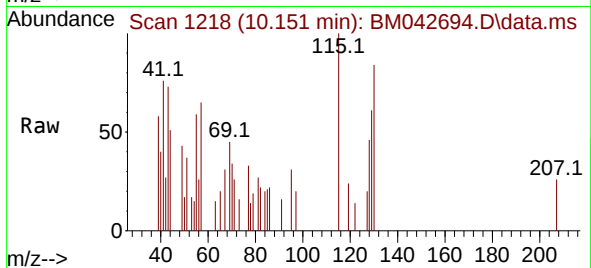
Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:122	Resp:	56
Ion	Ratio	Lower Upper
122	100	
105	0.0	105.2 145.2#
77	239.6	84.8 124.8#



#37

2-Methylnaphthalene

Concen: 3.844 ng

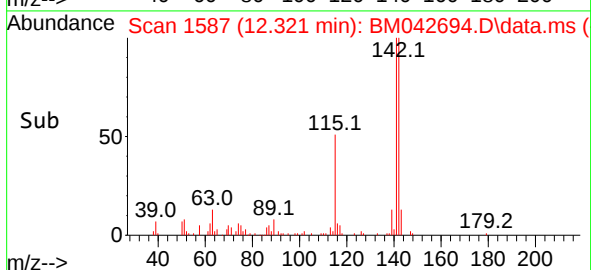
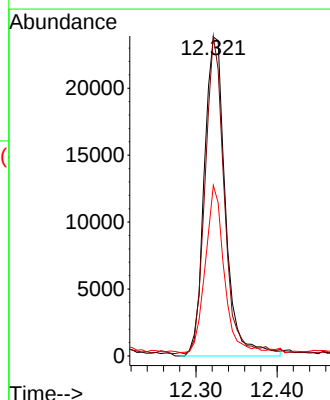
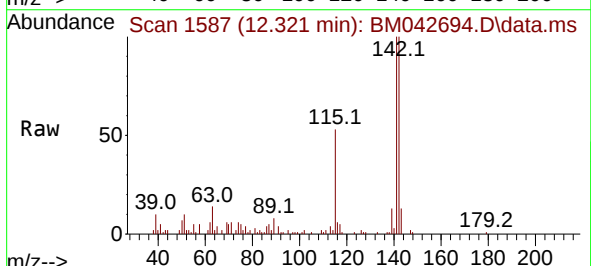
RT: 12.321 min Scan# 1587

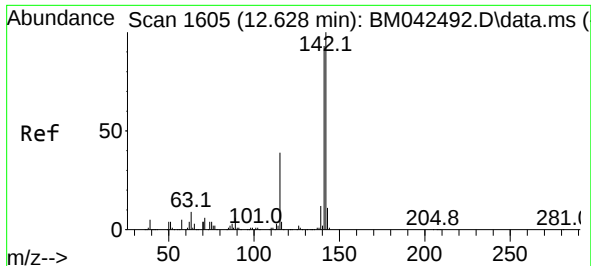
Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Tgt Ion:142	Resp:	43108
Ion	Ratio	Lower Upper
142	100	
141	100.4	70.9 106.3
115	53.5	30.2 45.2#

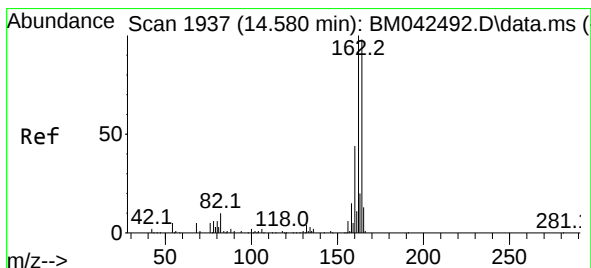
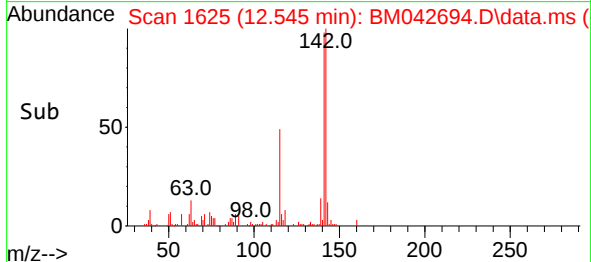
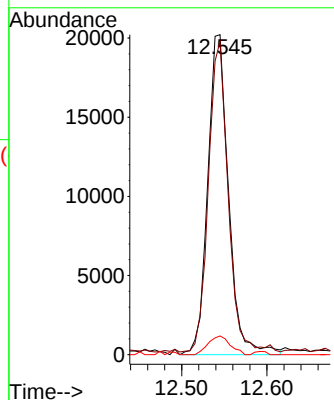
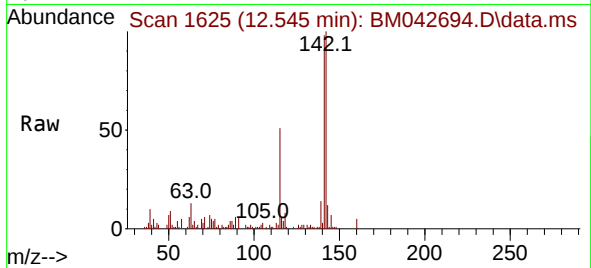




#38
1-Methylnaphthalene
Concen: 3.268 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

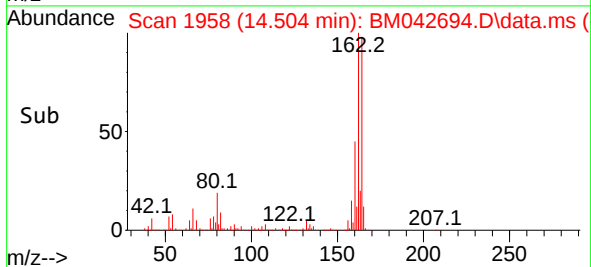
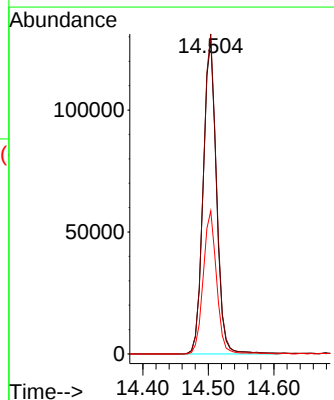
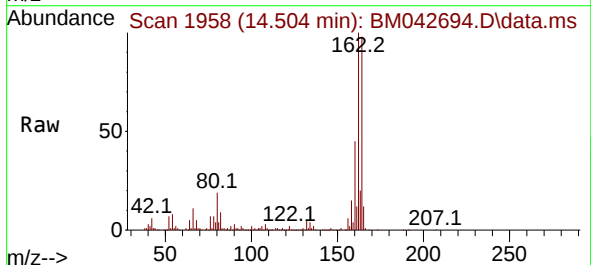
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BNA_M
ClientSampleId :

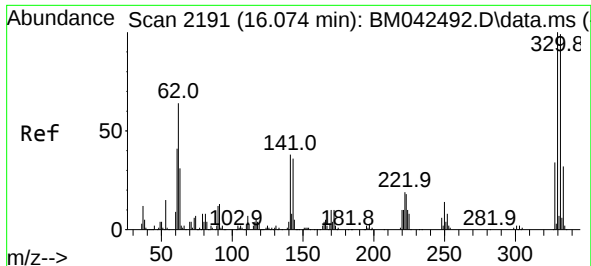
Tgt Ion:142 Resp: 34492
Ion Ratio Lower Upper
142 100
141 97.9 74.4 111.6
116 5.9 3.2 4.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

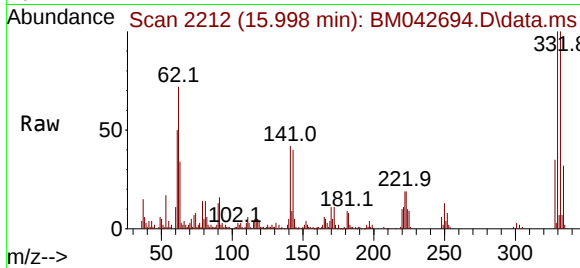
Tgt Ion:164 Resp: 181899
Ion Ratio Lower Upper
164 100
162 102.1 81.6 122.4
160 45.6 36.2 54.4



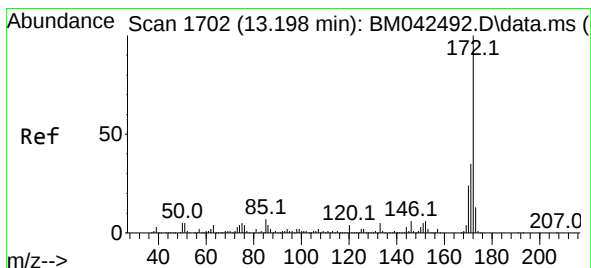
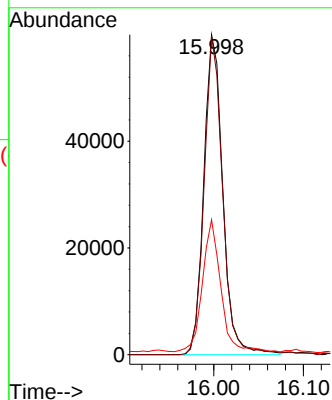
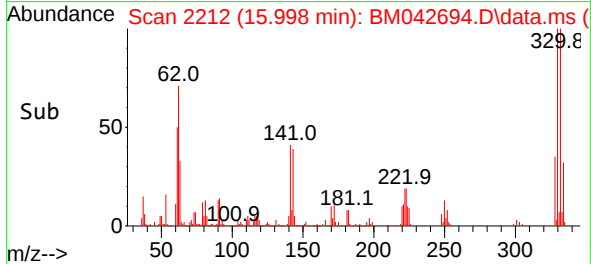


#42
2,4,6-Tribromophenol
Concen: 37.033 ng
RT: 15.998 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

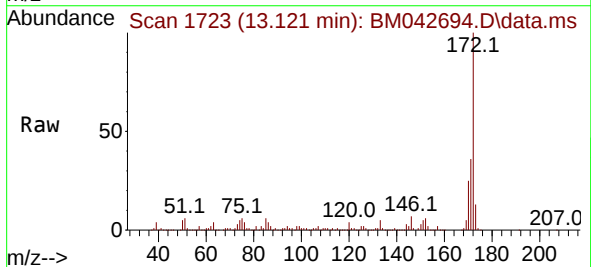
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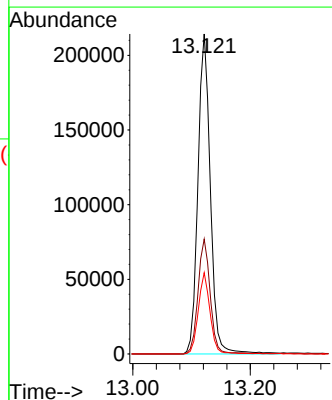
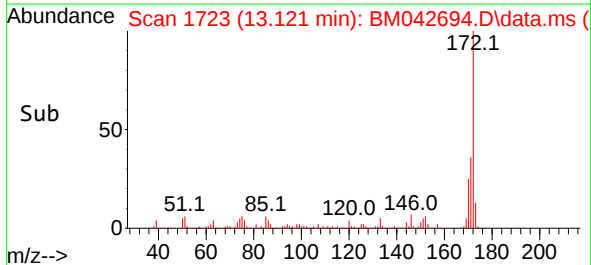
Tgt Ion:330 Resp: 87947
Ion Ratio Lower Upper
330 100
332 97.8 78.8 118.2
141 40.1 31.1 46.7

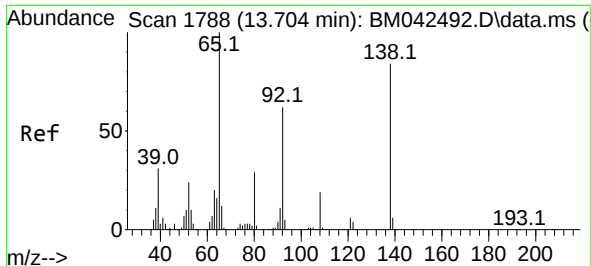


#45
2-Fluorobiphenyl
Concen: 23.270 ng
RT: 13.121 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46



Tgt Ion:172 Resp: 314566
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 25.4 19.0 28.4

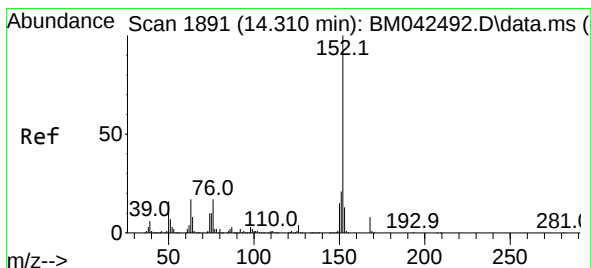
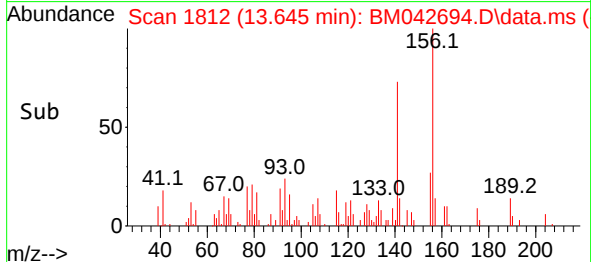
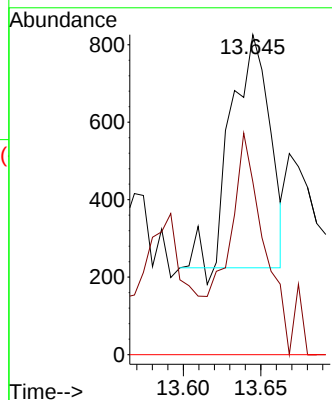
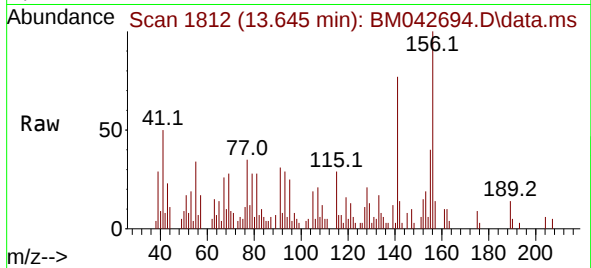




#48
2-Nitroaniline
Concen: 4.582 ng
RT: 13.645 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

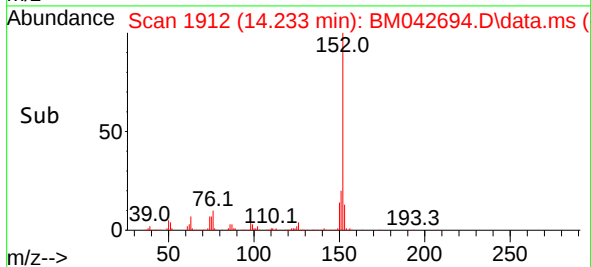
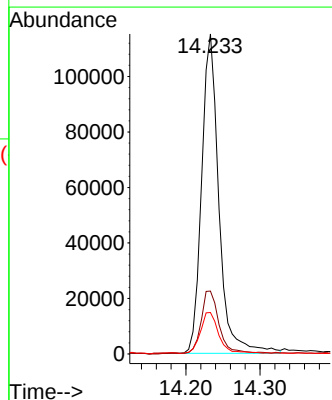
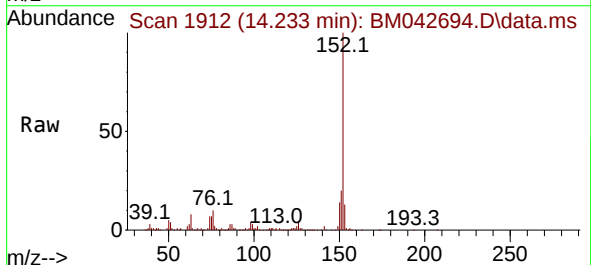
Instrument :
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ClientSampleId :

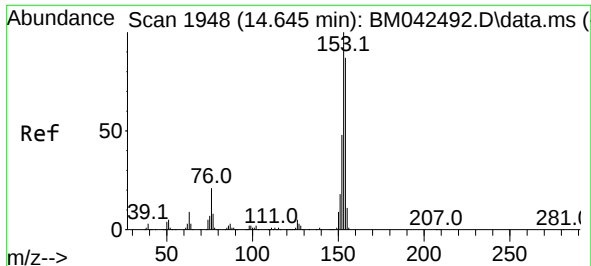
Tgt Ion: 65 Resp: 1047
Ion Ratio Lower Upper
65 100
92 54.0 49.4 74.2
138 0.0 66.9 100.3#



#49
Acenaphthylene
Concen: 11.001 ng
RT: 14.233 min Scan# 1912
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion: 152 Resp: 185846
Ion Ratio Lower Upper
152 100
151 19.6 16.4 24.6
153 13.0 10.4 15.6

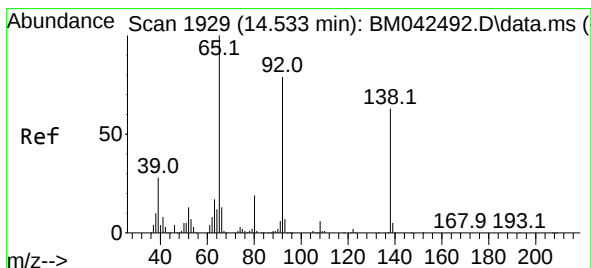
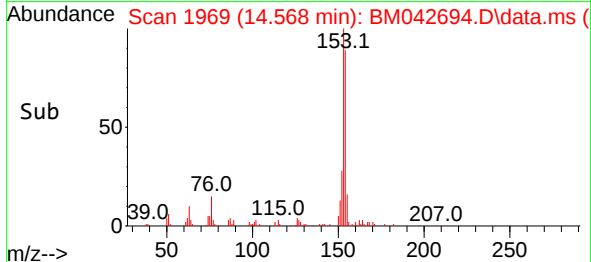
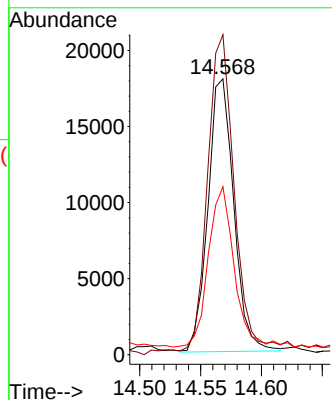
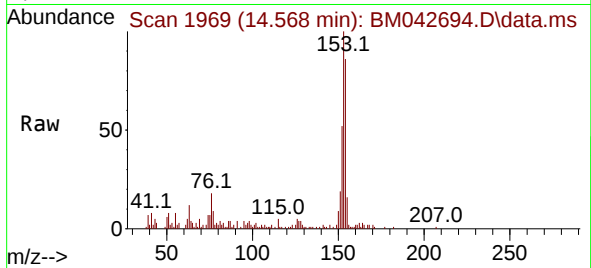




#52
Acenaphthene
Concen: 2.590 ng
RT: 14.568 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

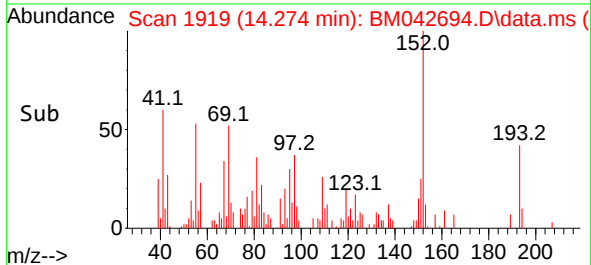
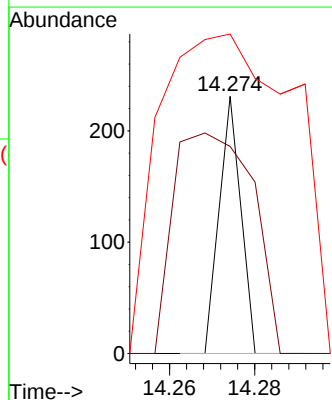
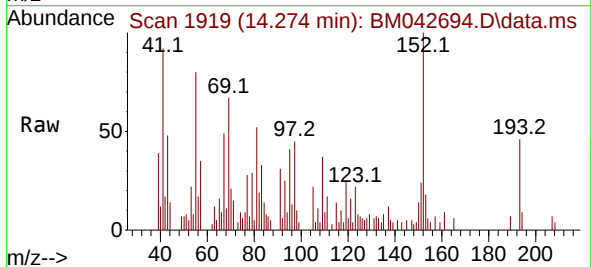
Instrument :
BNA_M
ClientSampleId :

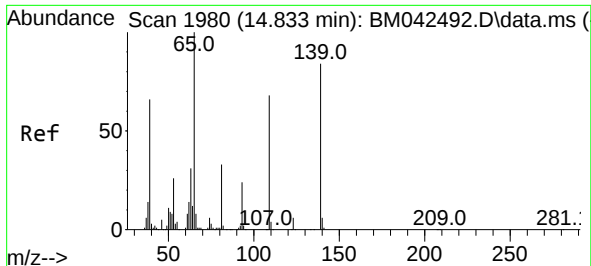
Tgt Ion:154 Resp: 26554
Ion Ratio Lower Upper
154 100
153 116.0 92.0 138.0
152 60.9 44.0 66.0



#53
3-Nitroaniline
Concen: 4.375 ng
RT: 14.274 min Scan# 1919
Delta R.T. -0.188 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
108 80.5 7.9 11.9#
92 124.2 100.7 151.1

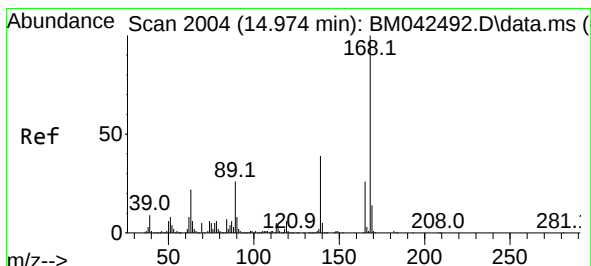
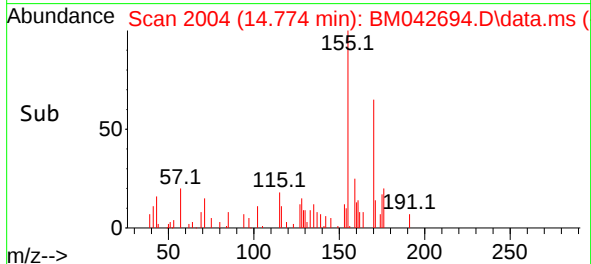
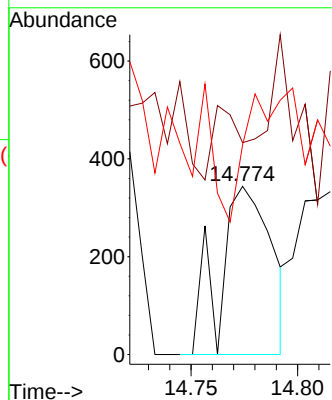
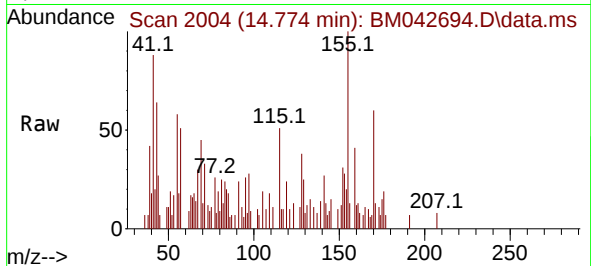




#56
4-Nitrophenol
Concen: 7.162 ng
RT: 14.774 min Scan# 20
Delta R.T. 0.018 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

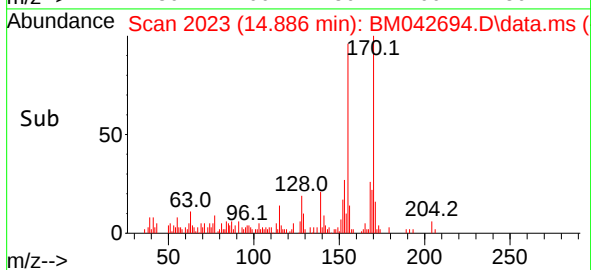
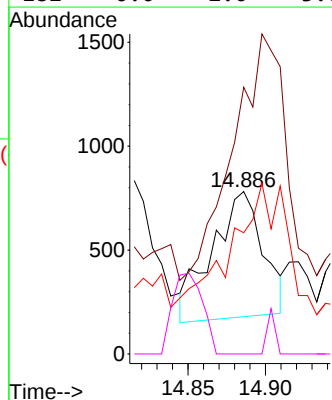
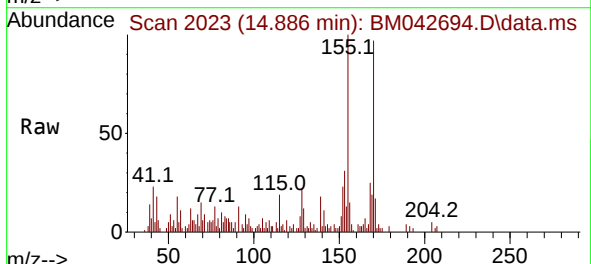
Instrument :
BNA_M
ClientSampleId :

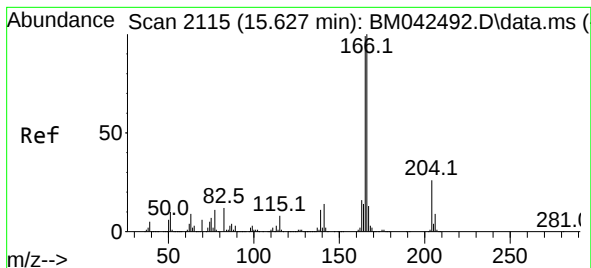
Tgt Ion:139 Resp: 581
Ion Ratio Lower Upper
139 100
109 125.9 61.3 101.3#
65 124.7 100.2 140.2



#57
2,4-Dinitrotoluene
Concen: 4.270 ng
RT: 14.886 min Scan# 2023
Delta R.T. -0.024 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:165 Resp: 1384
Ion Ratio Lower Upper
165 100
63 164.2 66.7 100.1#
89 74.7 80.2 120.4#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 4.766 ng

RT: 15.551 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

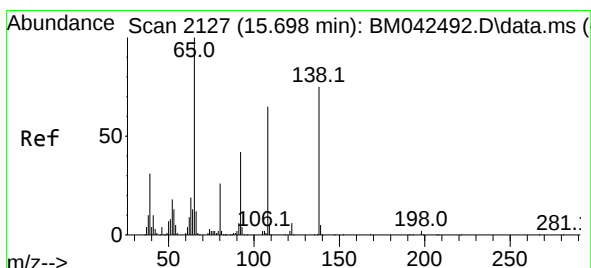
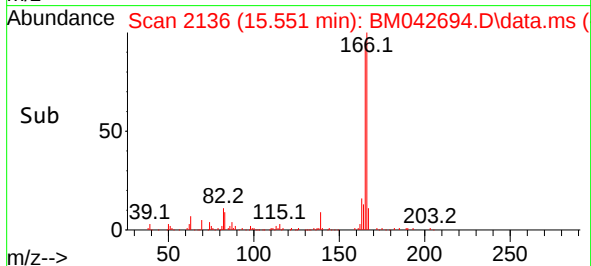
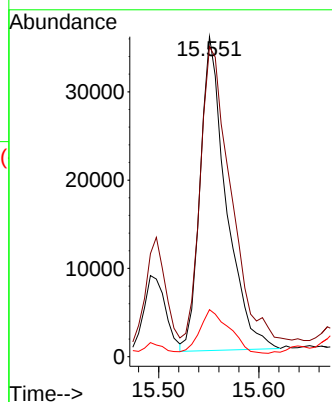
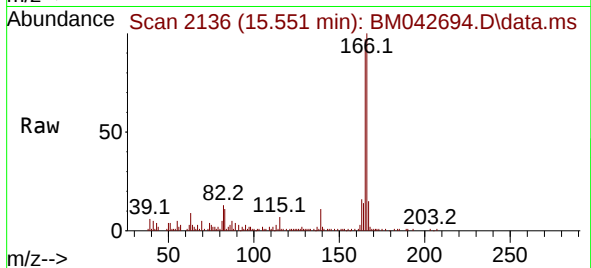
Tgt Ion:166 Resp: 64277

Ion Ratio Lower Upper

166 100

165 96.8 79.3 118.9

167 14.7 10.5 15.7



#62

4-Nitroaniline

Concen: 5.786 ng

RT: 15.751 min Scan# 2170

Delta R.T. 0.123 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

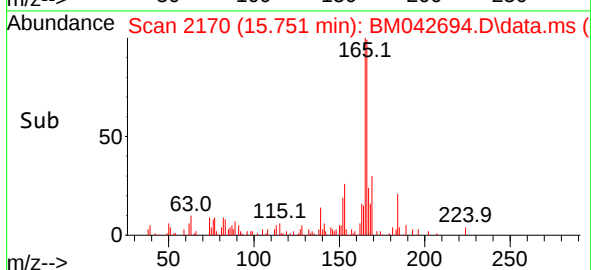
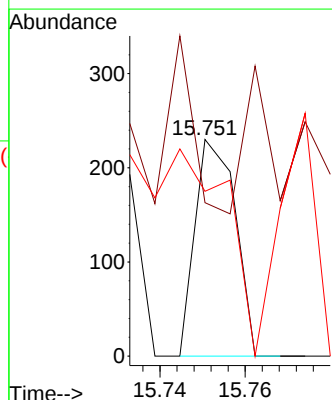
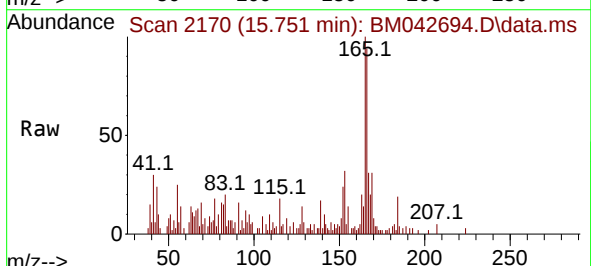
Tgt Ion:138 Resp: 150

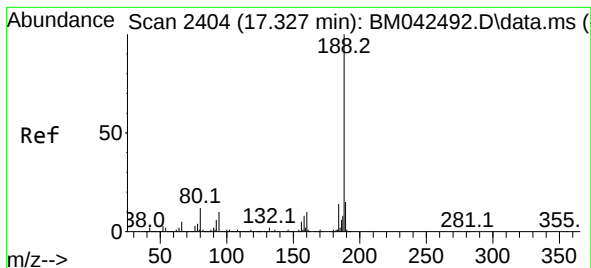
Ion Ratio Lower Upper

138 100

92 70.9 37.0 77.0

108 76.1 67.2 107.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.256 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

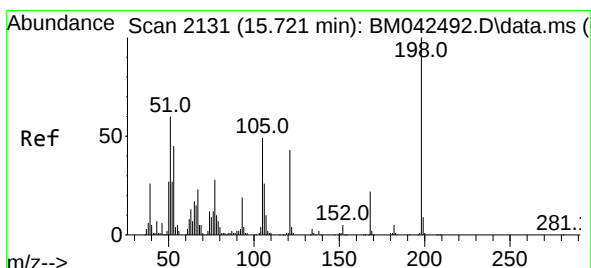
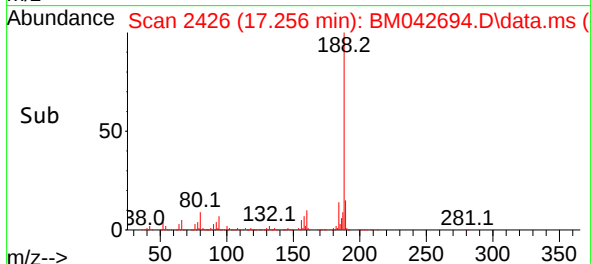
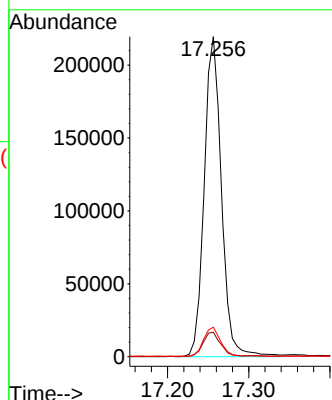
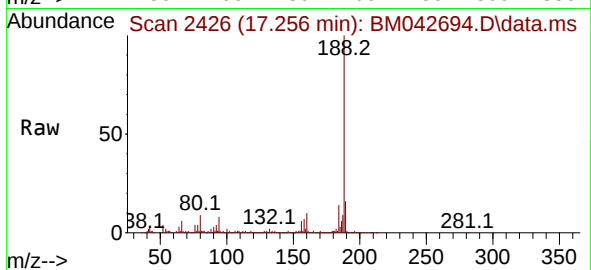
Tgt Ion:188 Resp: 322985

Ion Ratio Lower Upper

188 100

94 7.6 8.2 12.4#

80 9.2 9.4 14.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.920 ng

RT: 15.662 min Scan# 2155

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

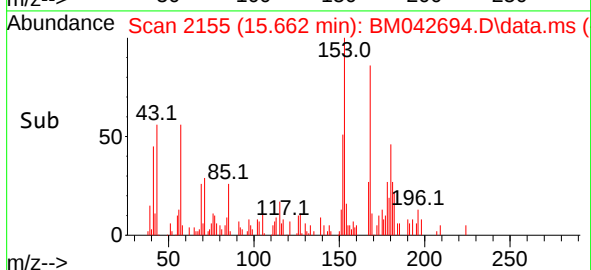
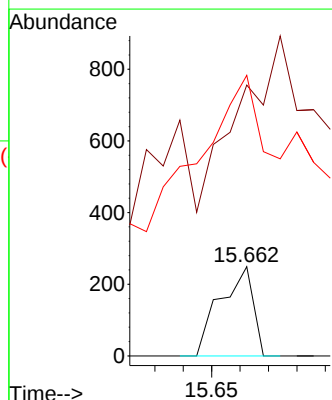
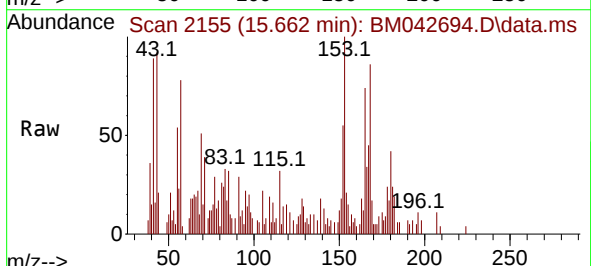
Tgt Ion:198 Resp: 201

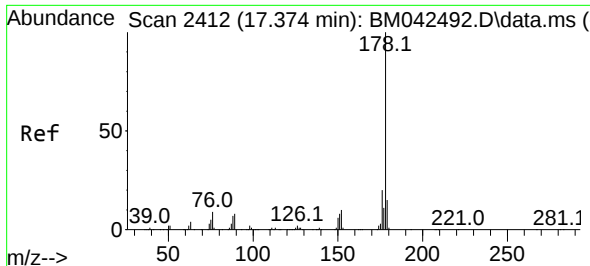
Ion Ratio Lower Upper

198 100

51 303.6 42.4 82.4#

105 314.5 29.2 69.2#

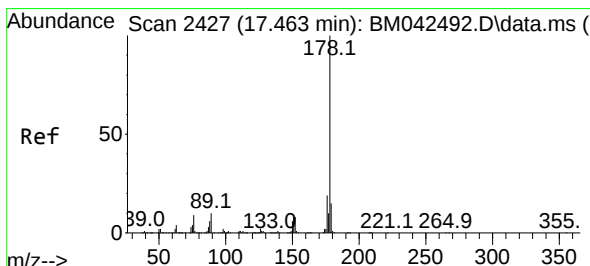
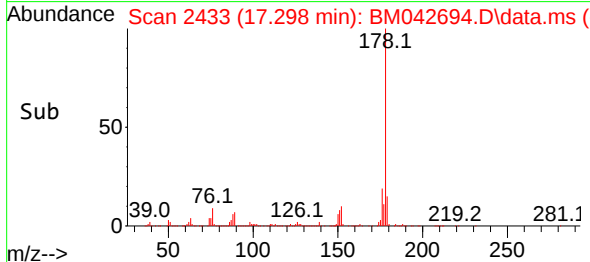
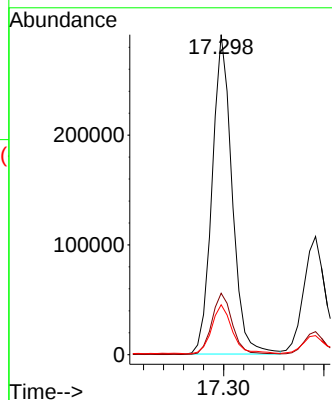
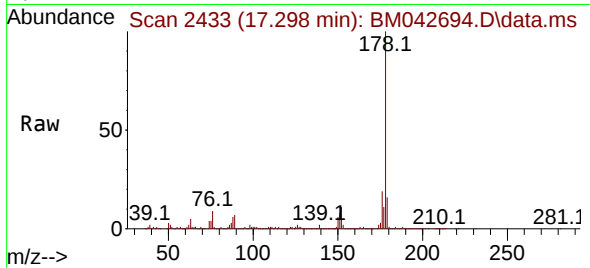




#71
Phenanthrene
Concen: 23.865 ng
RT: 17.298 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

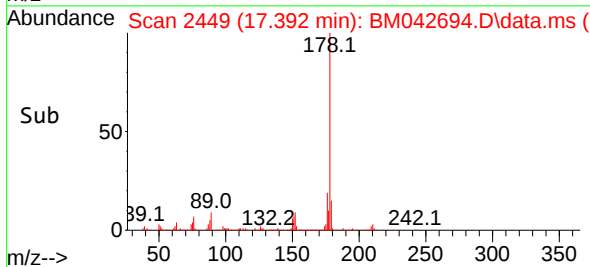
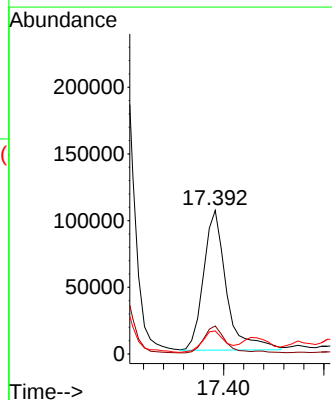
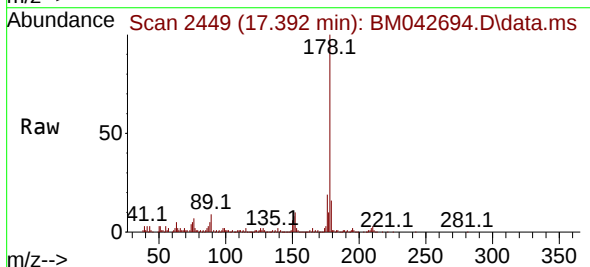
Instrument :
BNA_M
ClientSampleId :

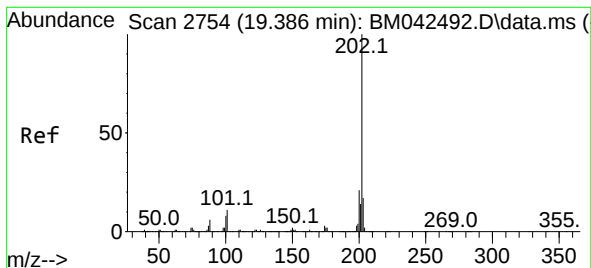
Tgt Ion:178 Resp: 402822
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.2 18.4



#72
Anthracene
Concen: 9.968 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:178 Resp: 166654
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 16.1 12.3 18.5





#75

Fluoranthene

Concen: 40.441 ng

RT: 19.315 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

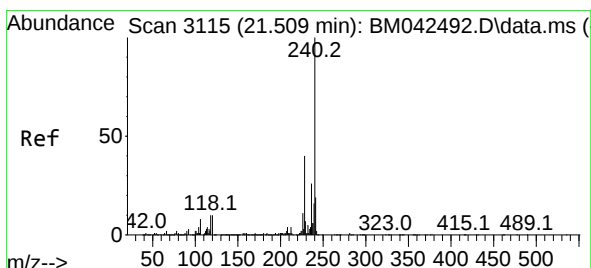
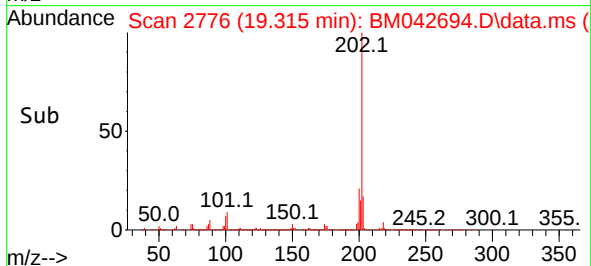
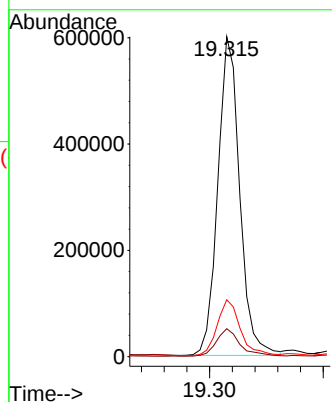
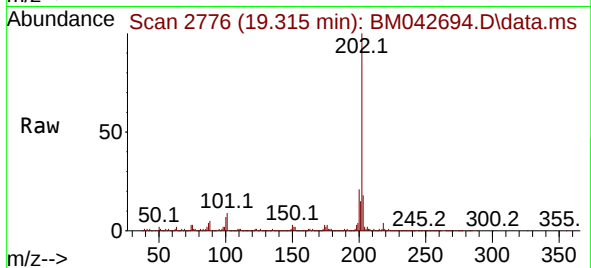
Tgt Ion:202 Resp: 801838

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.5

203 17.8 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: BM042694.D

Acq: 10 Nov 2023 16:46

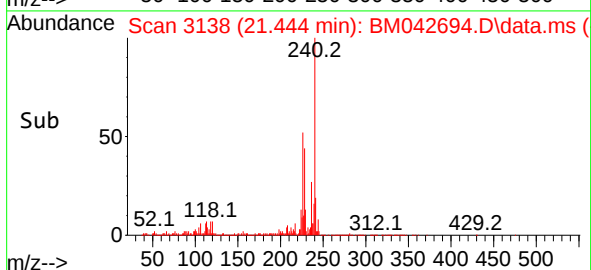
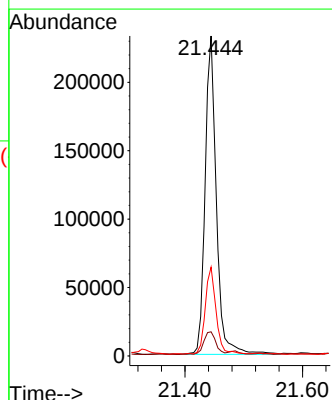
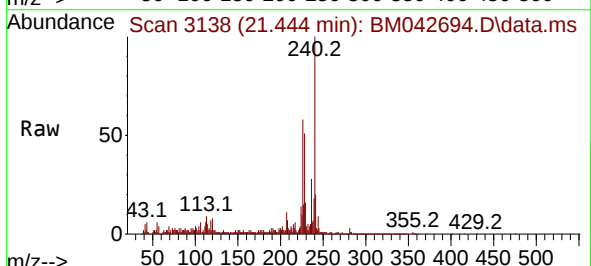
Tgt Ion:240 Resp: 309172

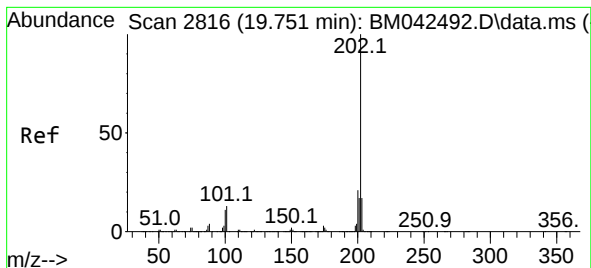
Ion Ratio Lower Upper

240 100

120 7.5 8.3 12.5#

236 27.8 20.8 31.2





#78

Pyrene

Concen: 63.249 ng

RT: 19.686 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

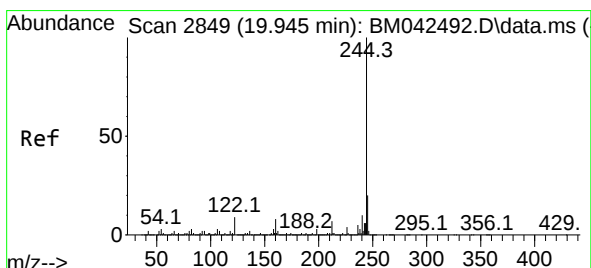
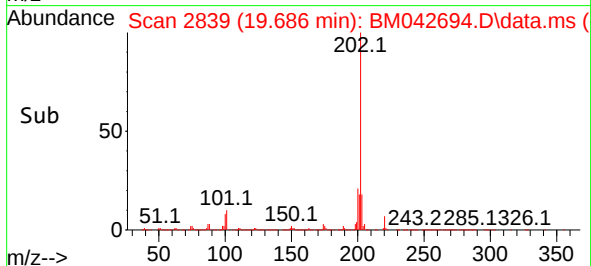
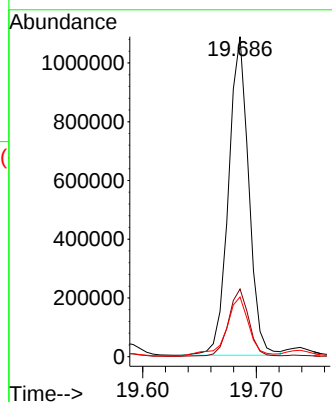
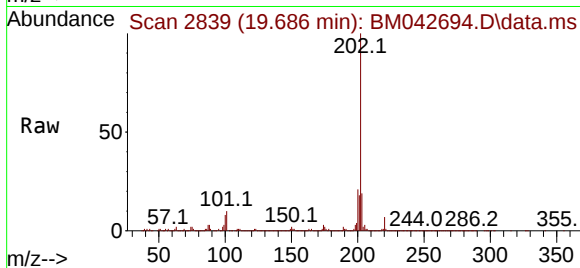
Tgt Ion:202 Resp: 1342754

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 18.7 13.7 20.5



#79

Terphenyl-d14

Concen: 17.128 ng

RT: 19.874 min Scan# 2871

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

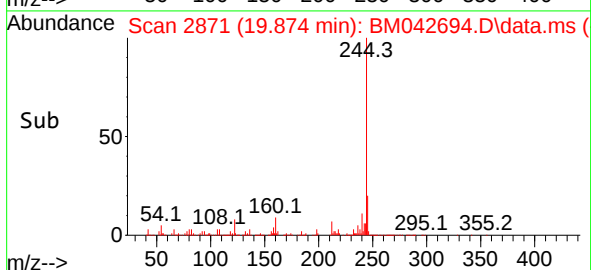
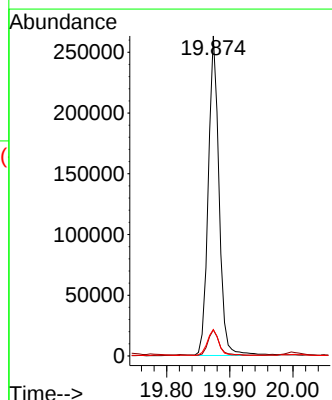
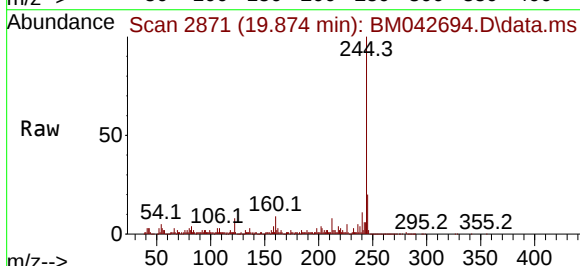
Tgt Ion:244 Resp: 312314

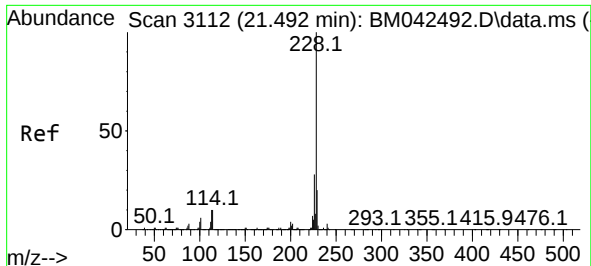
Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.2

122 8.3 7.2 10.8

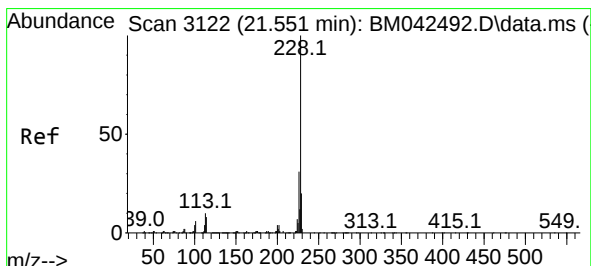
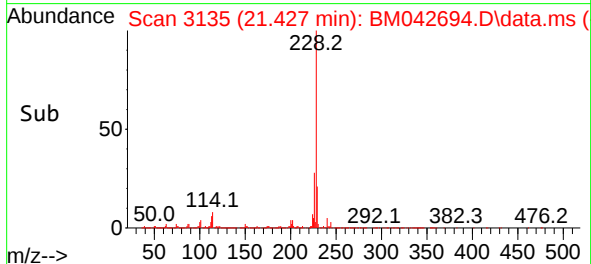
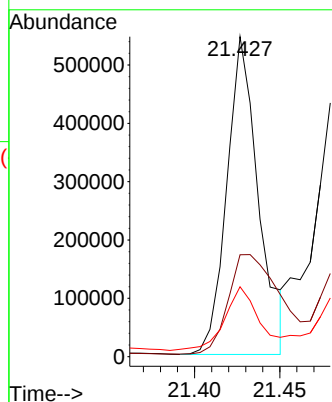
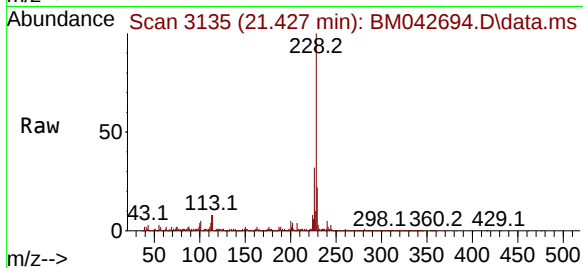




#81
Benzo(a)anthracene
Concen: 35.796 ng
RT: 21.427 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

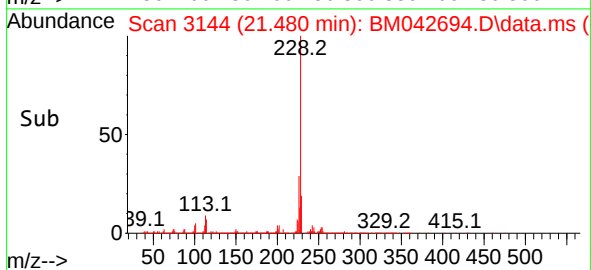
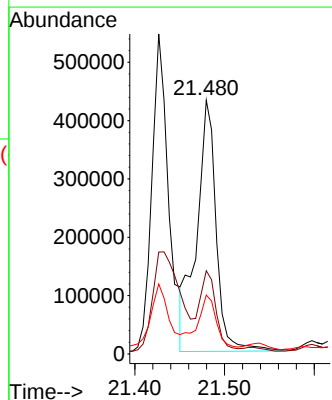
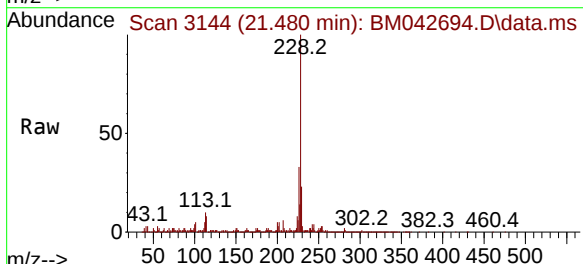
Instrument :
BNA_M
ClientSampleId :

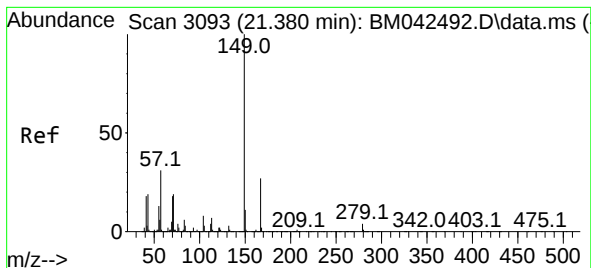
Tgt Ion:228 Resp: 704146
Ion Ratio Lower Upper
228 100
226 31.9 22.3 33.5
229 21.8 15.8 23.8



#83
Chrysene
Concen: 32.979 ng
RT: 21.480 min Scan# 3144
Delta R.T. -0.000 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

Tgt Ion:228 Resp: 658970
Ion Ratio Lower Upper
228 100
226 32.8 24.4 36.6
229 23.2 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.017 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

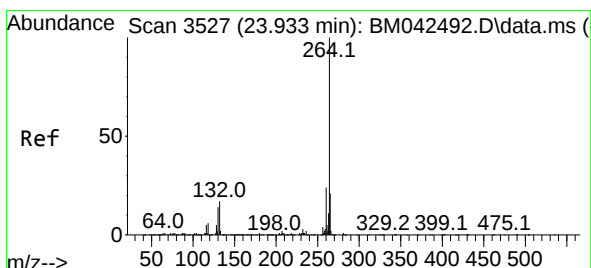
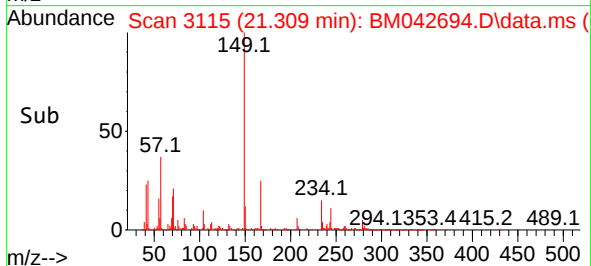
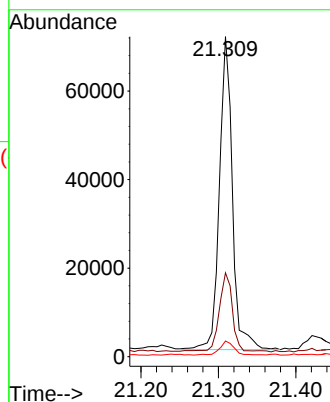
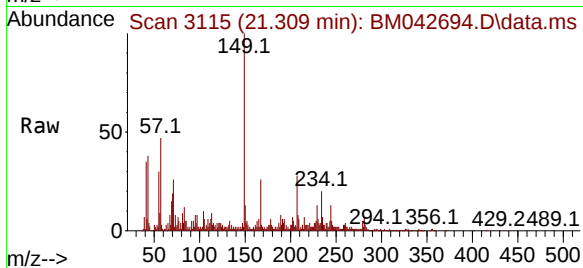
Tgt Ion:149 Resp: 82458

Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.0

279 4.9 3.4 5.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.827 min Scan# 3543

Delta R.T. 0.012 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

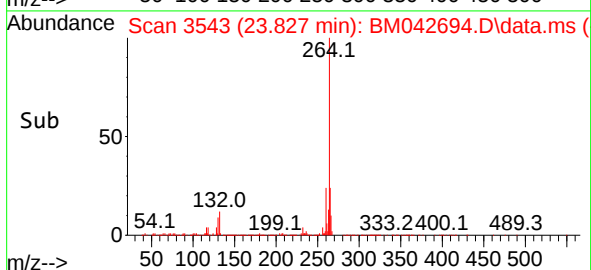
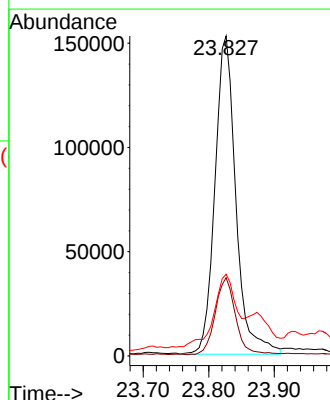
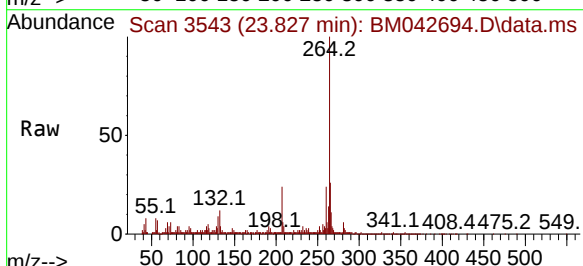
Tgt Ion:264 Resp: 337833

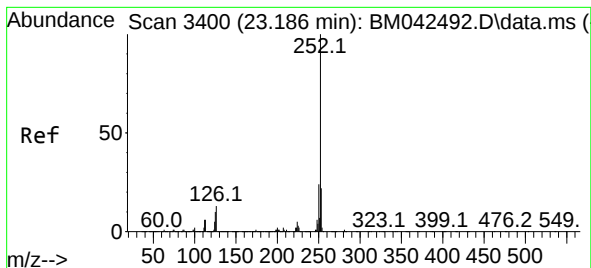
Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 25.5 18.7 28.1





#88

Benzo(b)fluoranthene

Concen: 42.470 ng

RT: 23.091 min Scan# 3418

Delta R.T. 0.006 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

Instrument :

BNA_M

ClientSampleId :

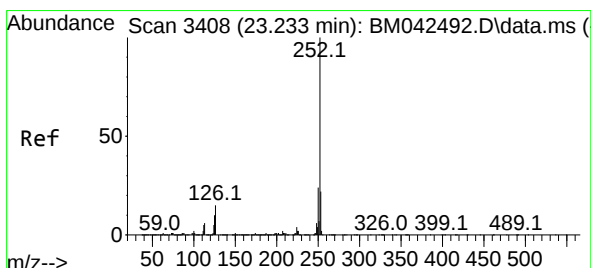
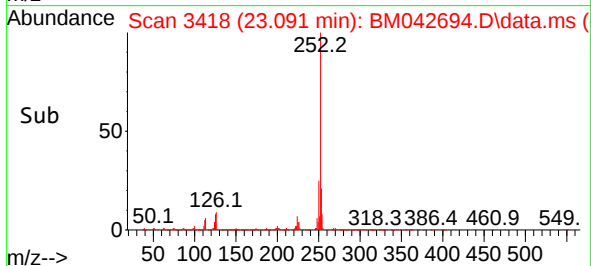
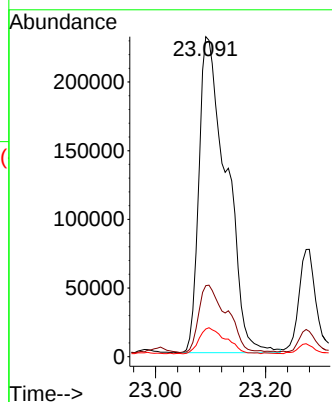
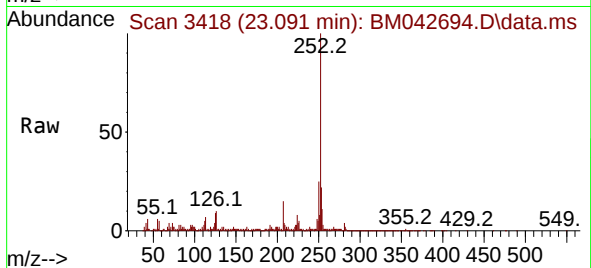
Tgt Ion:252 Resp: 799346

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.7 7.8 11.6



#89

Benzo(k)fluoranthene

Concen: 38.113 ng

RT: 23.091 min Scan# 3418

Delta R.T. -0.047 min

Lab File: BM042694.D

Acq: 10 Nov 2023 16:46

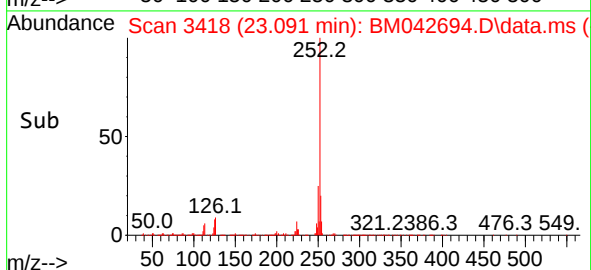
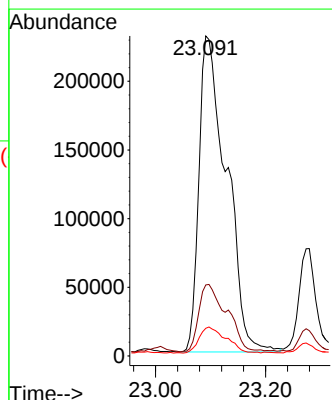
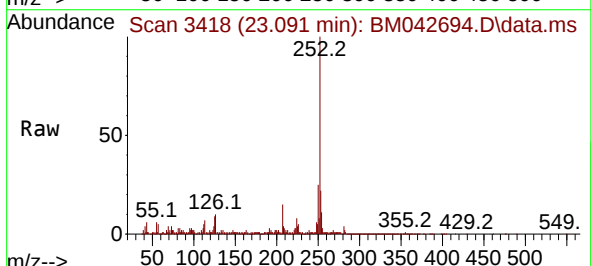
Tgt Ion:252 Resp: 799346

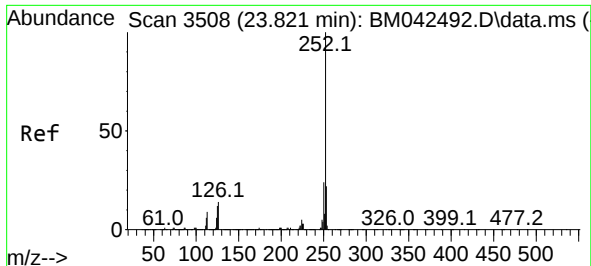
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 8.7 8.2 12.4

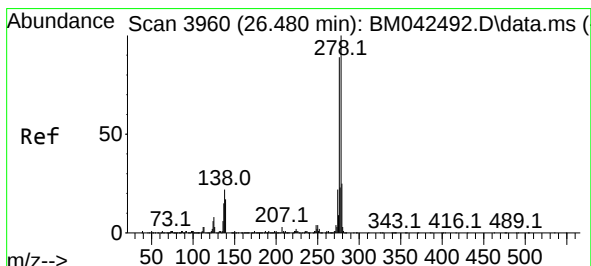
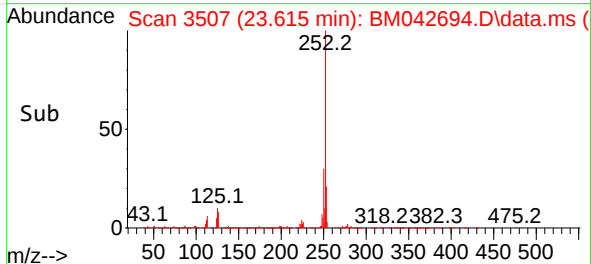
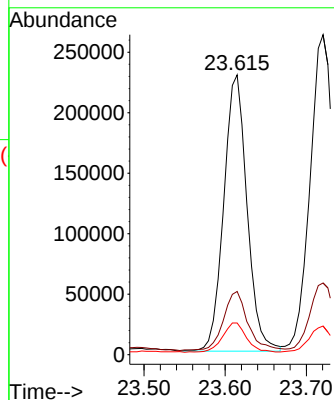
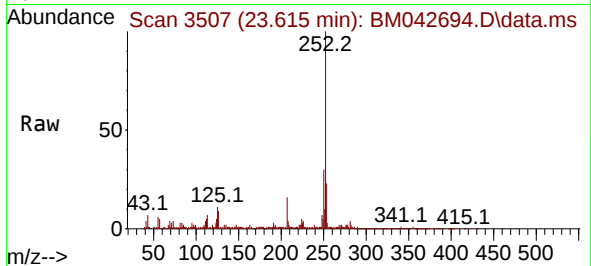




#90
Benzo(a)pyrene
Concen: 24.609 ng
RT: 23.615 min Scan# 31
Delta R.T. -0.100 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

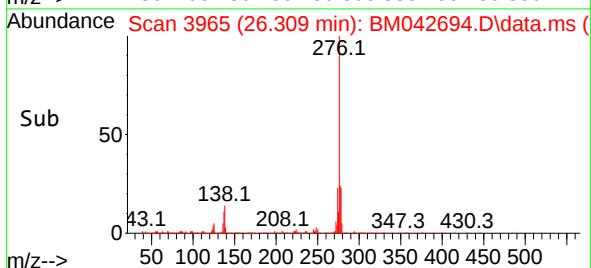
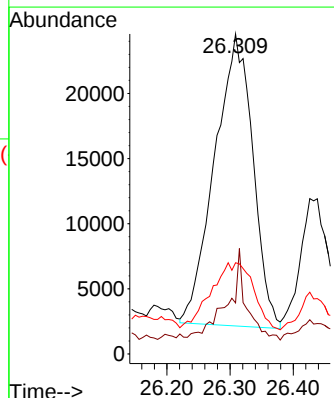
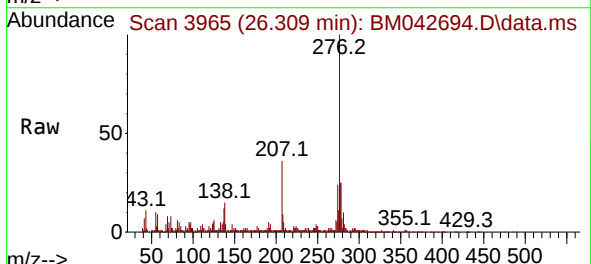
Instrument :
BNA_M
ClientSampleId :

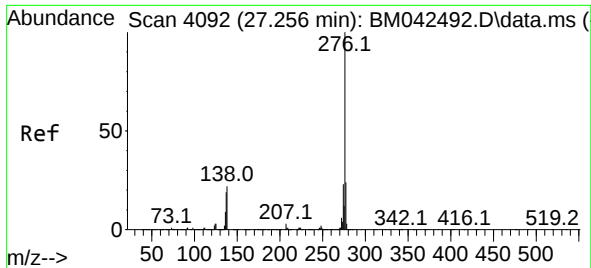
Tgt Ion:252 Resp: 456001
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.3 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 8.770 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BM042694.D
Acq: 10 Nov 2023 16:46

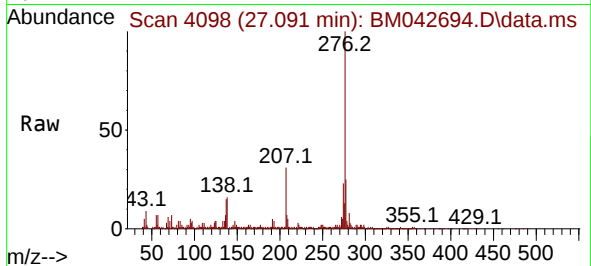
Tgt Ion:278 Resp: 94087
Ion Ratio Lower Upper
278 100
139 16.0 13.4 20.2
279 28.5 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 23.745 ng
 RT: 27.091 min Scan# 4098
 Delta R.T. 0.012 min
 Lab File: BM042694.D
 Acq: 10 Nov 2023 16:46

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	276	Resp:	420798
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.2	28.8
138	15.6	17.3	25.9

