

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
 Data File : BM042695.D
 Acq On : 10 Nov 2023 17:22
 Operator : MA/JU
 Sample : 05317-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 10 18:15:42 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)

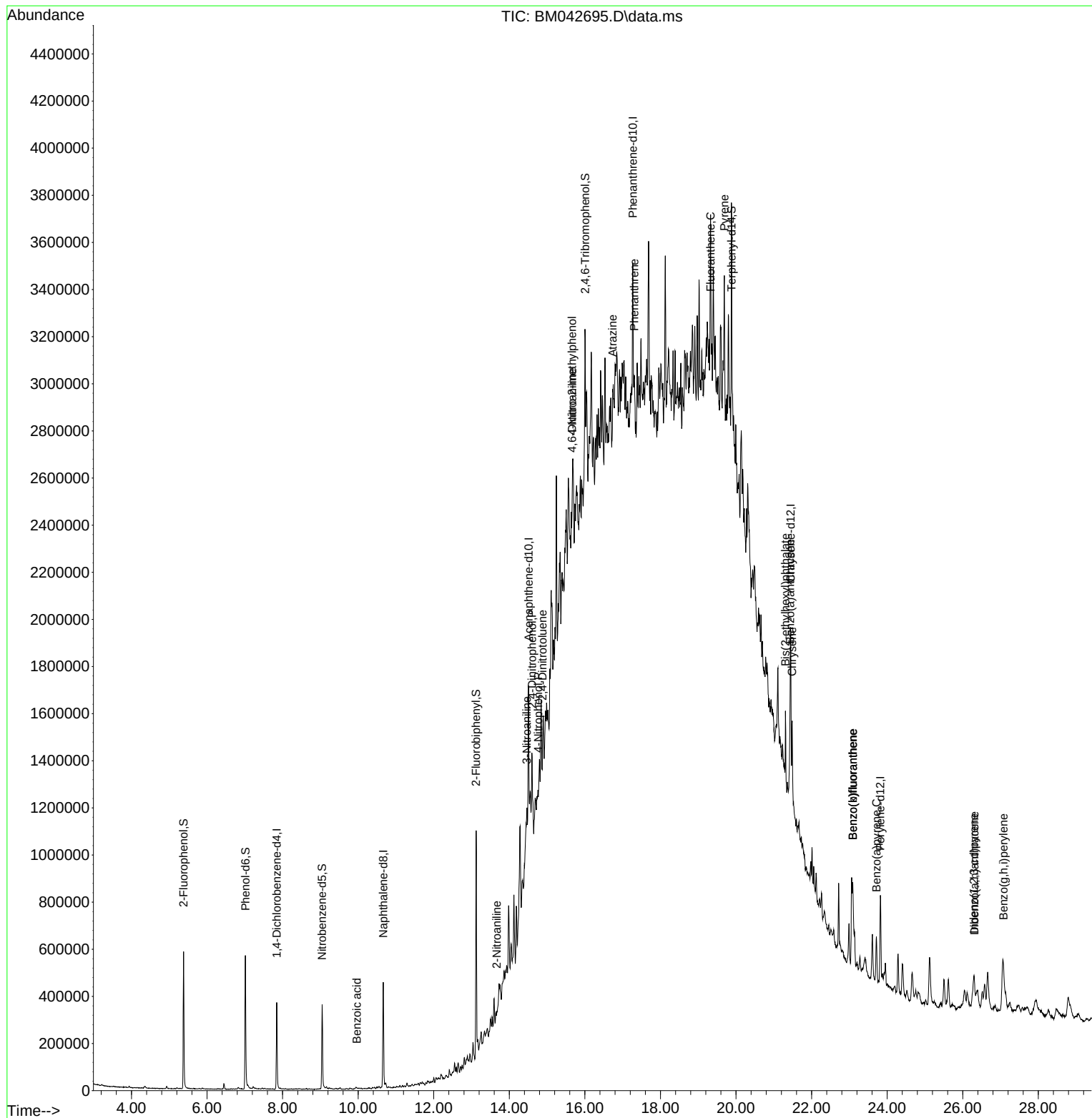
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	83176	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	316315	20.000	ng	0.00
39) Acenaphthene-d10	14.510	164	205663	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	316888	20.000	ng	# 0.01
76) Chrysene-d12	21.444	240	261187	20.000	ng	0.00
86) Perylene-d12	23.821	264	307587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	202697	39.330	ng	0.00
7) Phenol-d6	7.016	99	270655	38.292	ng	0.00
23) Nitrobenzene-d5	9.045	82	199303	29.372	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	95892	35.713	ng	0.01
45) 2-Fluorobiphenyl	13.121	172	423902	27.735	ng	0.00
79) Terphenyl-d14	19.880	244	428865	27.842	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.963	122	191	4.158	ng	# 14
48) 2-Nitroaniline	13.668	65	268	4.403	ng	# 53
53) 3-Nitroaniline	14.463	138	1312	4.688	ng	# 51
54) 2,4-Dinitrophenol	14.598	184	56	7.770	ng	# 1
56) 4-Nitrophenol	14.768	139	943	7.253	ng	# 1
57) 2,4-Dinitrotoluene	14.880	165	18730	7.550	ng	# 20
62) 4-Nitroaniline	15.668	138	6634	7.580	ng	# 30
65) 4,6-Dinitro-2-methylph...	15.662	198	1055	6.290	ng	# 1
69) Atrazine	16.733	200	11304	4.378	ng	# 1
71) Phenanthrene	17.309	178	93220	5.629	ng	# 81
75) Fluoranthene	19.327	202	333102	17.124	ng	93
78) Pyrene	19.692	202	308380	17.194	ng	96
81) Benzo(a)anthracene	21.433	228	147205	8.858	ng	95
83) Chrysene	21.486	228	189745	11.240	ng	97
84) Bis(2-ethylhexyl)phtha...	21.309	149	76640	6.620	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.297	276	142082	7.761	ng	# 89
88) Benzo(b)fluoranthene	23.091	252	269572	15.731	ng	98
89) Benzo(k)fluoranthene	23.091	252	269572	14.117	ng	98
90) Benzo(a)pyrene	23.715	252	159263	9.440	ng	97
91) Dibenzo(a,h)anthracene	26.309	278	31863	5.861	ng	# 89
92) Benzo(g,h,i)perylene	27.079	276	149820	9.285	ng	# 95

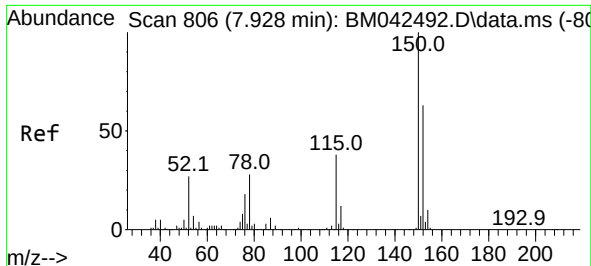
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
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Response via : Initial Calibration

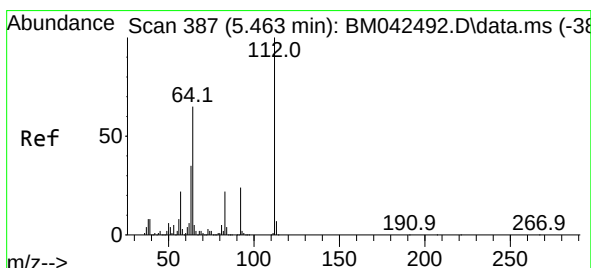
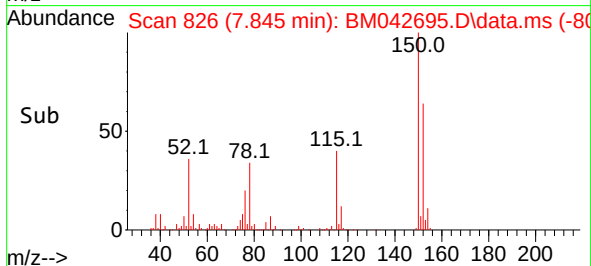
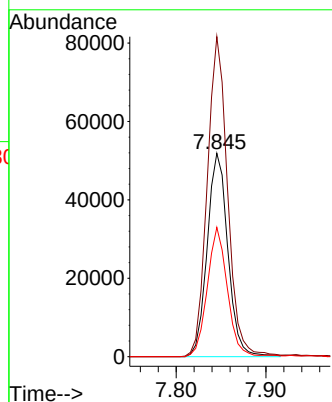
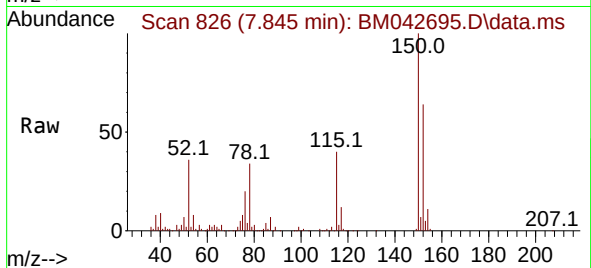




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

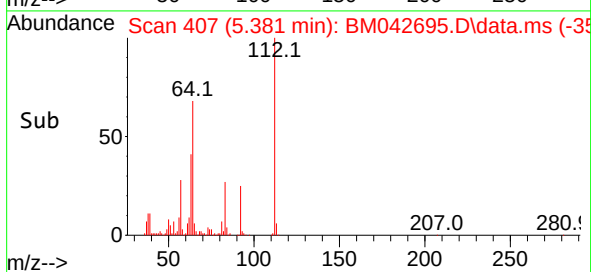
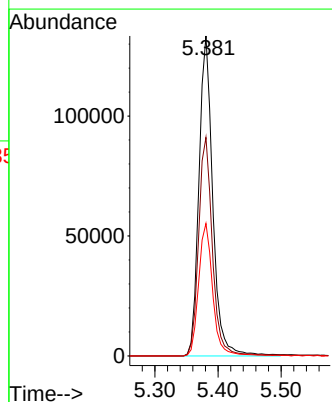
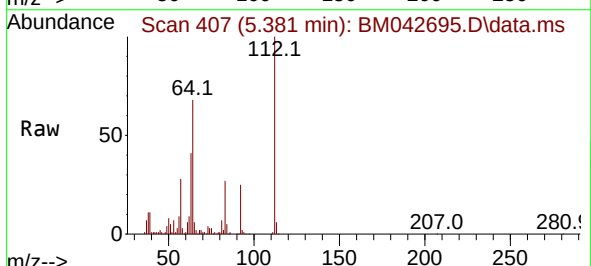
Instrument :
BNA_M
ClientSampleId :

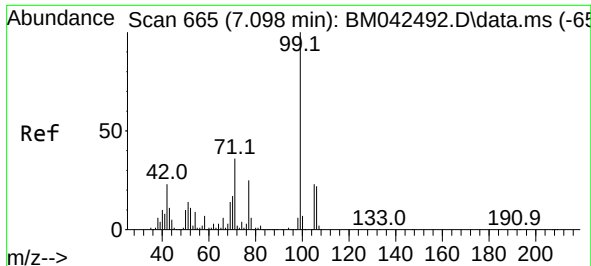
Tgt Ion:152 Resp: 83176
Ion Ratio Lower Upper
152 100
150 157.4 127.4 191.0
115 63.6 47.9 71.9



#5
2-Fluorophenol
Concen: 39.330 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:112 Resp: 202697
Ion Ratio Lower Upper
112 100
64 68.3 52.1 78.1
63 41.4 28.3 42.5

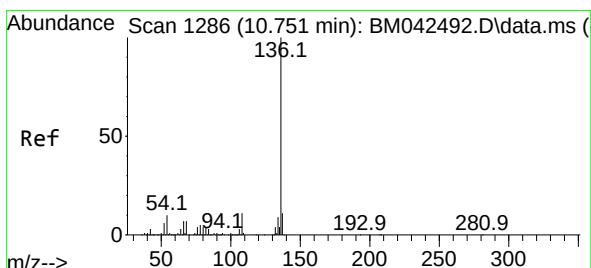
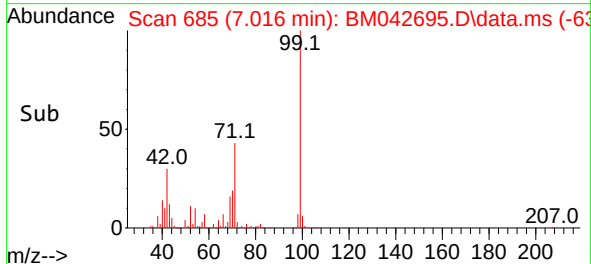
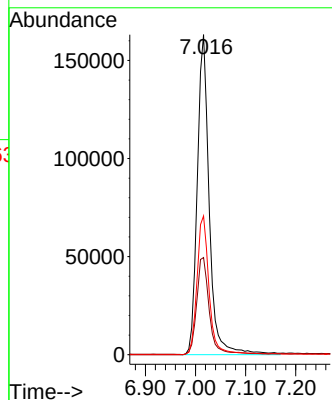
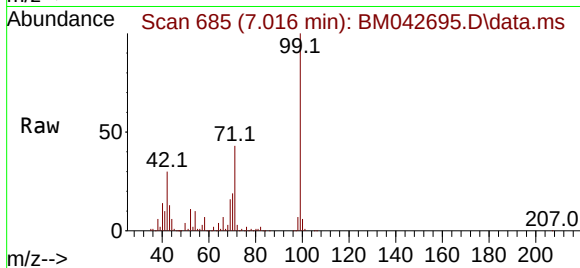




#7
Phenol-d6
Concen: 38.292 ng
RT: 7.016 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

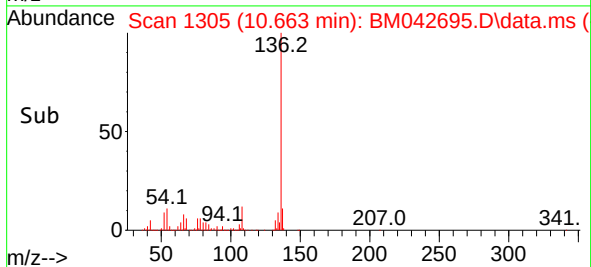
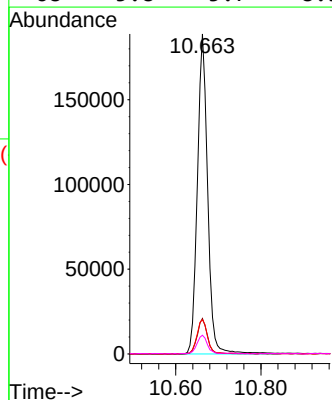
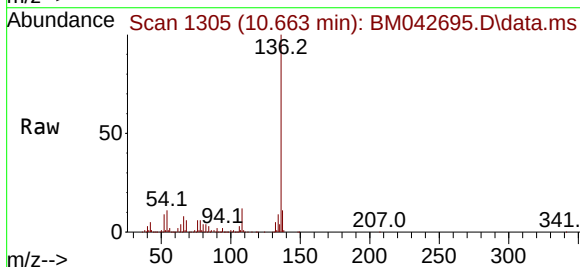
Instrument :
BNA_M
ClientSampleId :

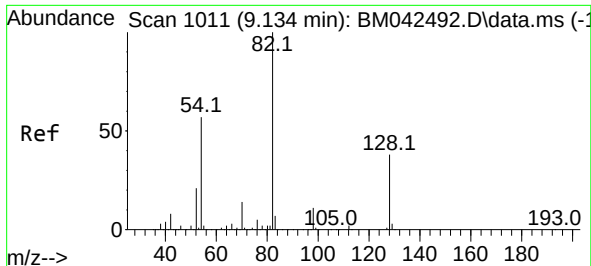
Tgt Ion: 99 Resp: 270655
Ion Ratio Lower Upper
99 100
42 30.4 18.7 28.1#
71 43.3 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:136 Resp: 316315
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.7 8.0 12.0
68 5.8 5.7 8.5

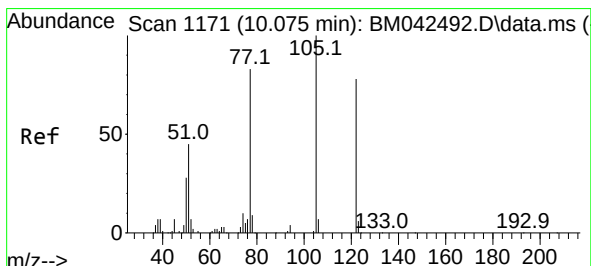
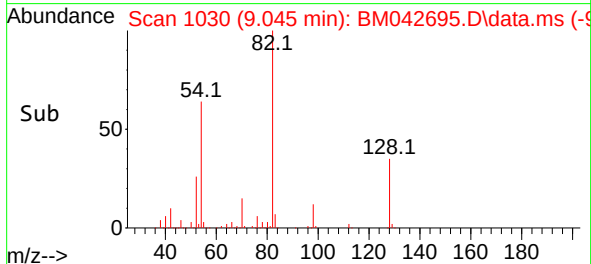
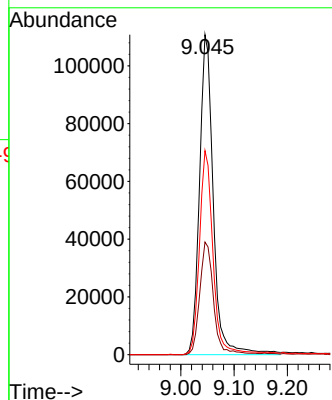
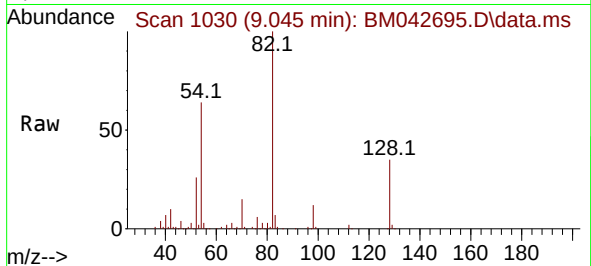




#23
Nitrobenzene-d5
Concen: 29.372 ng
RT: 9.045 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

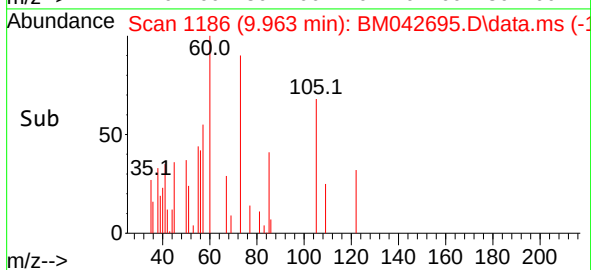
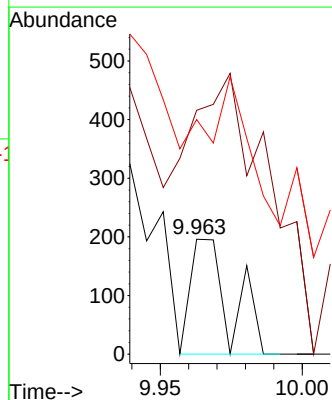
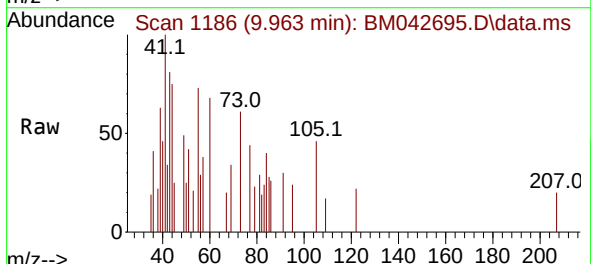
Instrument :
BNA_M
ClientSampleId :

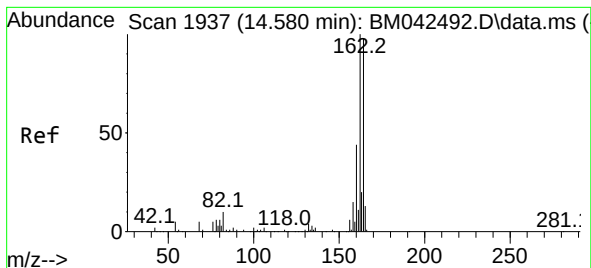
Tgt Ion: 82 Resp: 199303
Ion Ratio Lower Upper
82 100
128 35.2 30.7 46.1
54 63.8 45.3 67.9



#32
Benzoic acid
Concen: 4.158 ng
RT: 9.963 min Scan# 1186
Delta R.T. -0.029 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:122 Resp: 191
Ion Ratio Lower Upper
122 100
105 212.2 105.2 145.2#
77 204.1 84.8 124.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.510 min Scan# 1937

Delta R.T. 0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

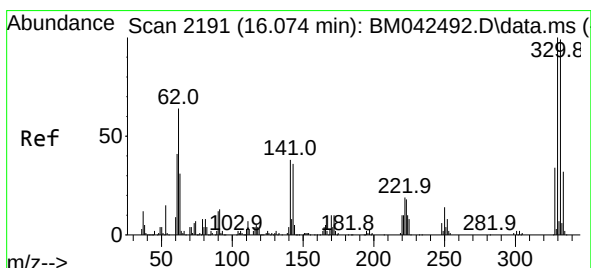
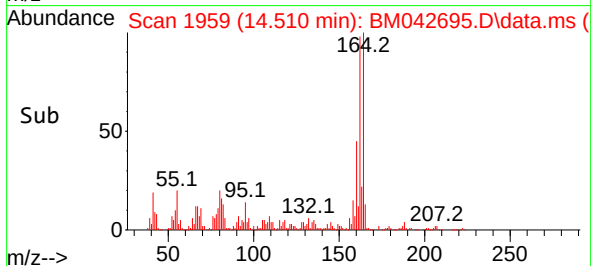
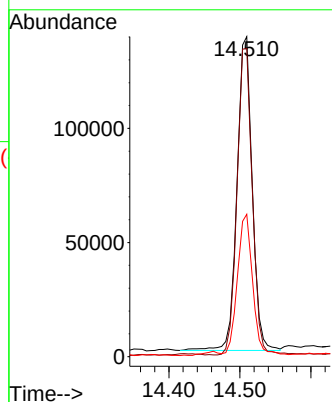
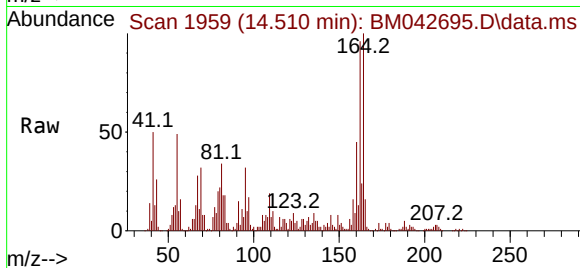
Tgt Ion:164 Resp: 205663

Ion Ratio Lower Upper

164 100

162 96.3 81.6 122.4

160 44.5 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 35.713 ng

RT: 16.009 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

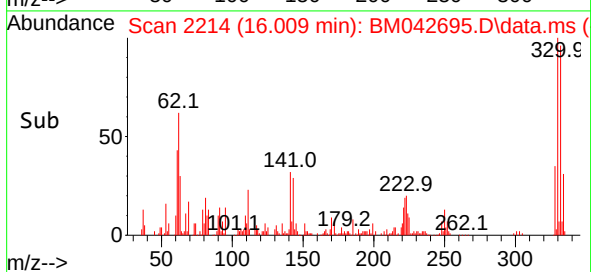
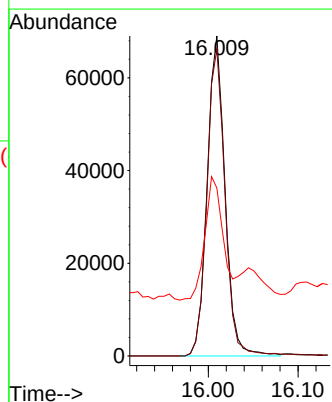
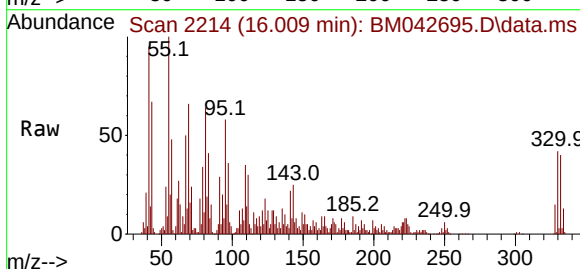
Tgt Ion:330 Resp: 95892

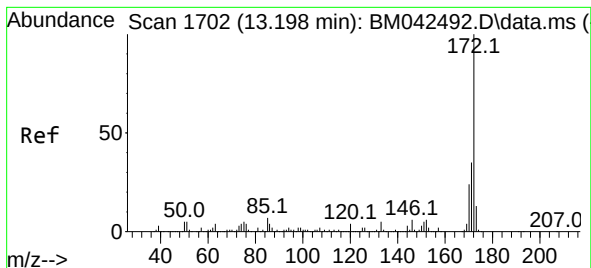
Ion Ratio Lower Upper

330 100

332 97.6 78.8 118.2

141 38.5 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 27.735 ng

RT: 13.121 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

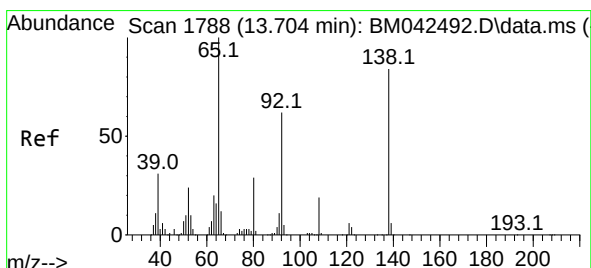
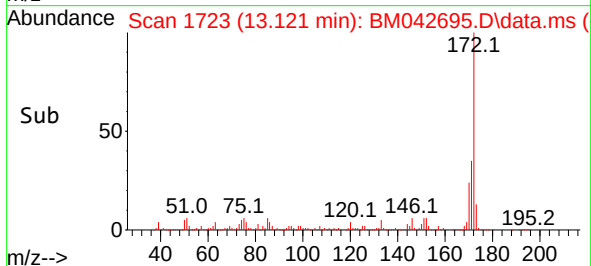
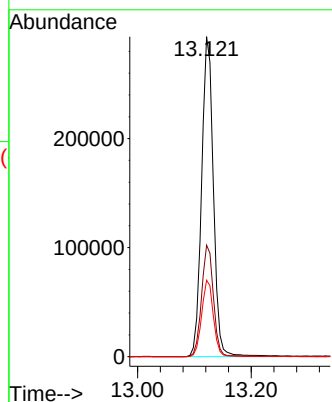
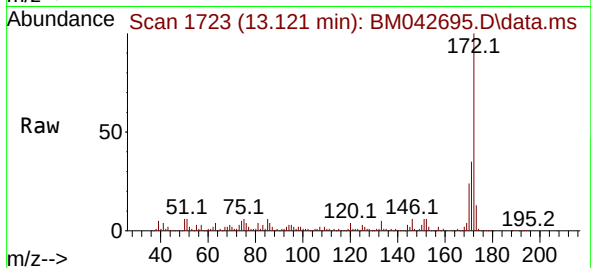
Tgt Ion:172 Resp: 423902

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.9 19.0 28.4



#48

2-Nitroaniline

Concen: 4.403 ng

RT: 13.668 min Scan# 1816

Delta R.T. 0.035 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

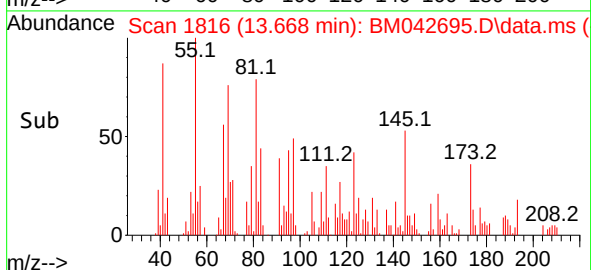
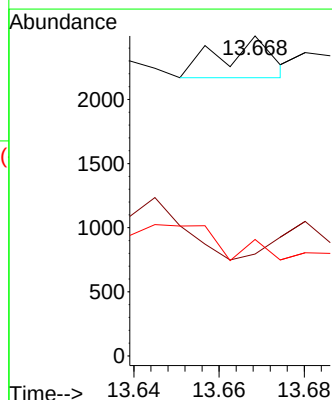
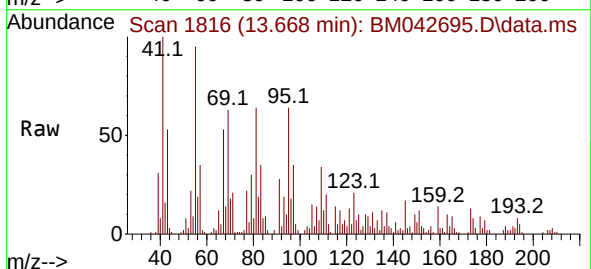
Tgt Ion: 65 Resp: 268

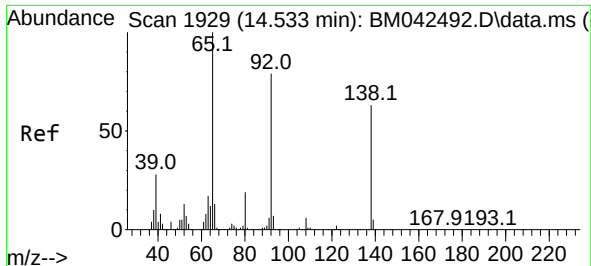
Ion Ratio Lower Upper

65 100

92 31.8 49.4 74.2#

138 36.4 66.9 100.3#

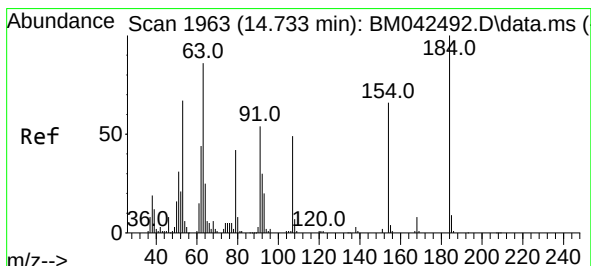
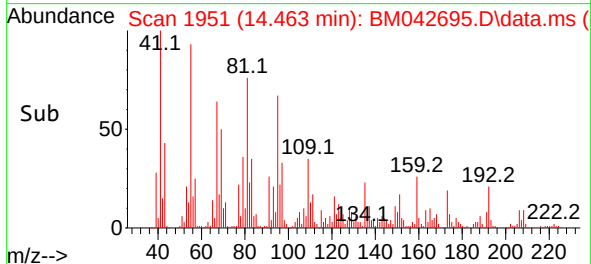
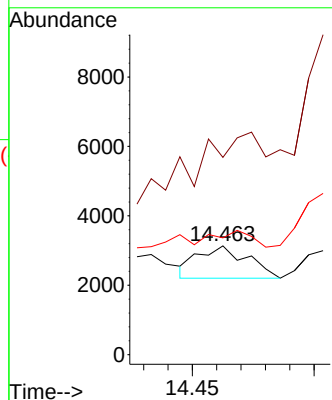
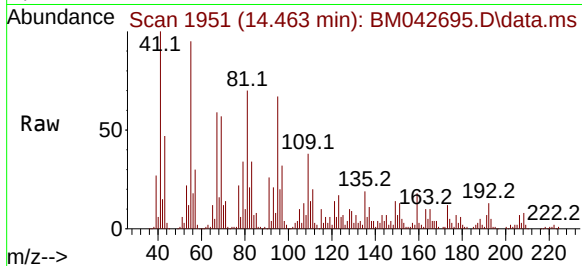




#53
3-Nitroaniline
Concen: 4.688 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

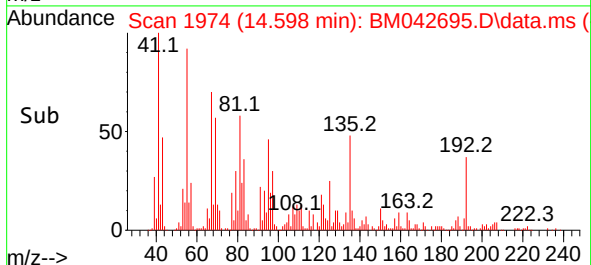
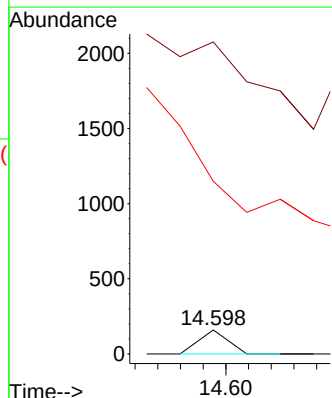
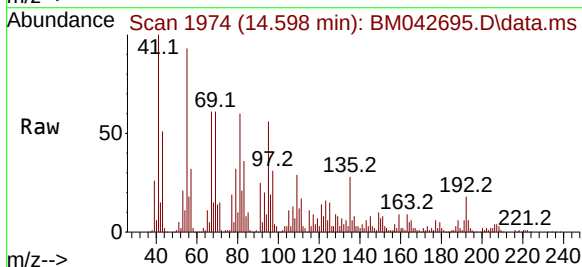
Instrument :
BNA_M
ClientSampleId :

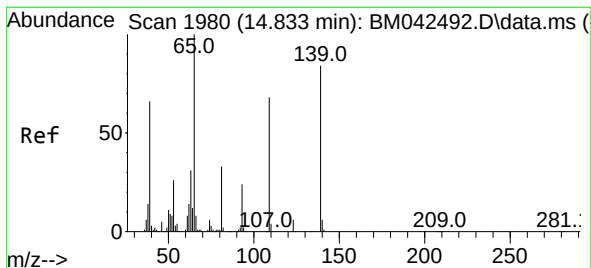
Tgt Ion:138 Resp: 1312
Ion Ratio Lower Upper
138 100
108 181.3 7.9 11.9#
92 107.4 100.7 151.1



#54
2,4-Dinitrophenol
Concen: 7.770 ng
RT: 14.598 min Scan# 1974
Delta R.T. -0.071 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 1297.5 69.2 103.8#
154 718.1 53.2 79.8#

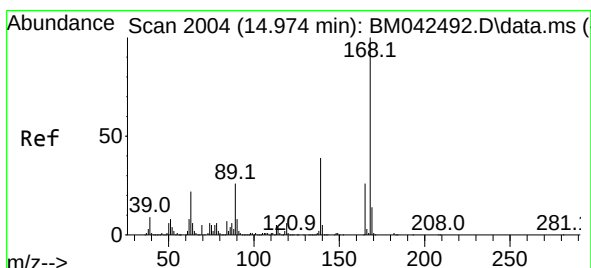
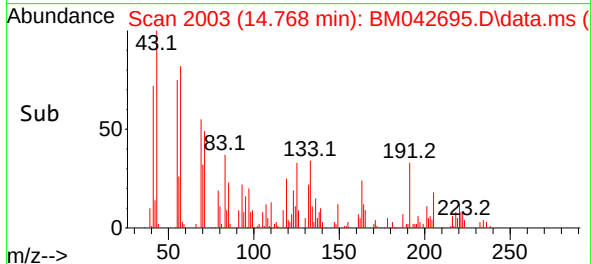
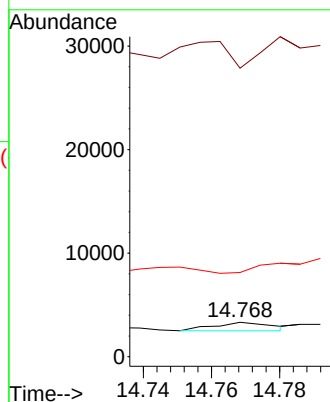
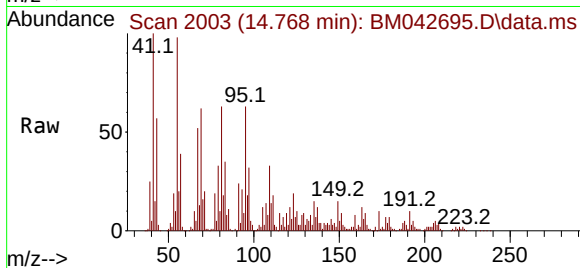




#56
4-Nitrophenol
Concen: 7.253 ng
RT: 14.768 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

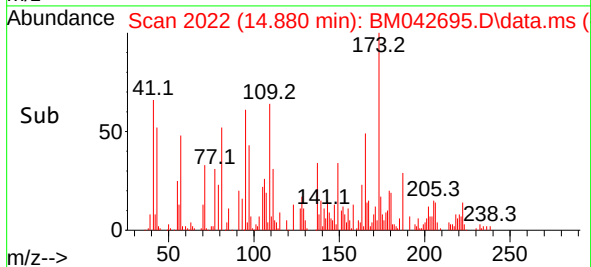
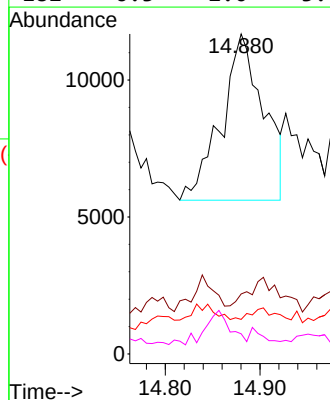
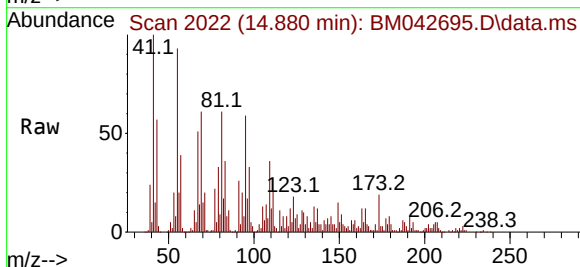
Instrument :
BNA_M
ClientSampleId :

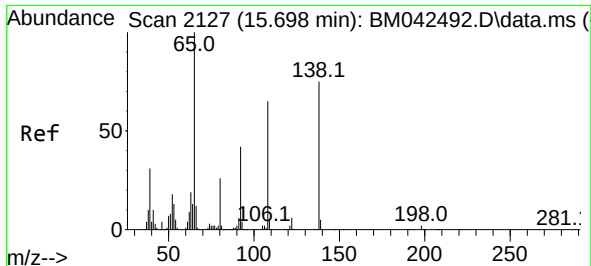
Tgt Ion:139 Resp: 943
Ion Ratio Lower Upper
139 100
109 838.8 61.3 101.3#
65 244.9 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 7.550 ng
RT: 14.880 min Scan# 2022
Delta R.T. -0.029 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:165 Resp: 18730
Ion Ratio Lower Upper
165 100
63 18.8 66.7 100.1#
89 10.8 80.2 120.4#
182 6.3 2.0 3.0#

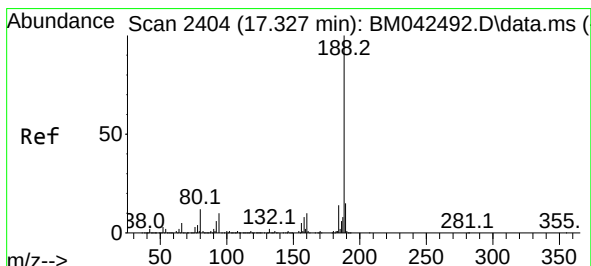
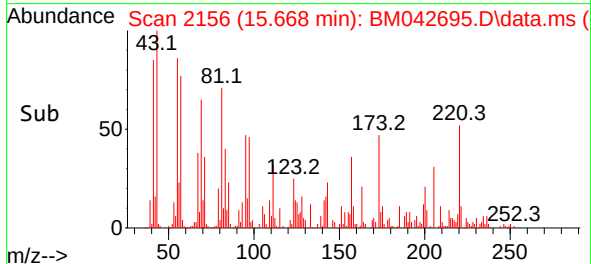
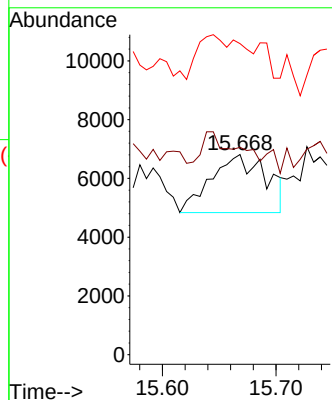
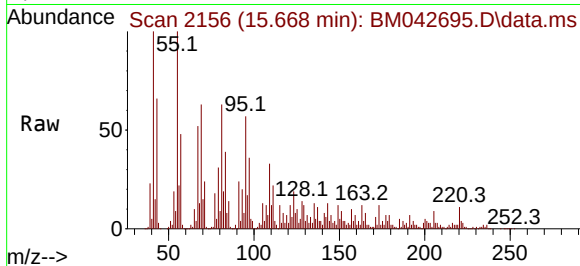




#62
4-Nitroaniline
Concen: 7.580 ng
RT: 15.668 min Scan# 21
Delta R.T. 0.041 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

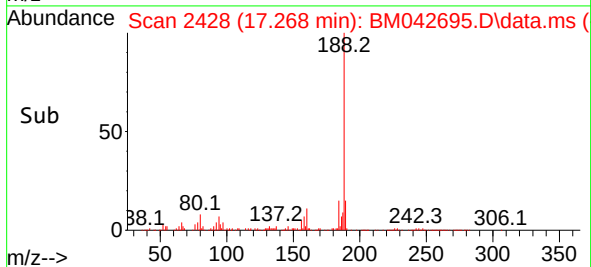
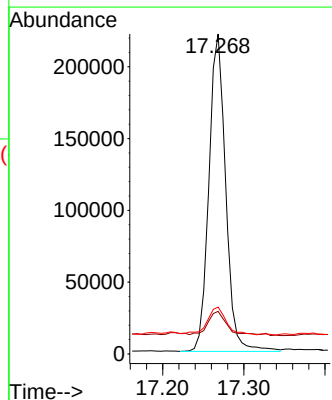
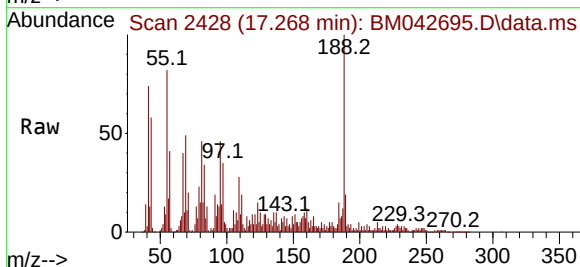
Instrument :
BNA_M
ClientSampleId :

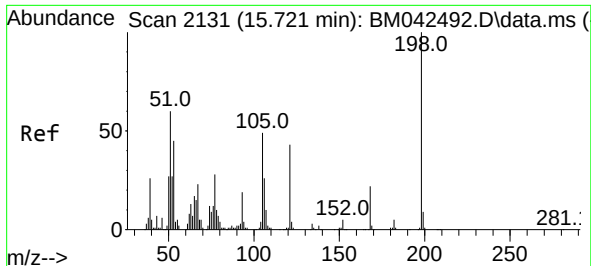
Tgt Ion:138 Resp: 6634
Ion Ratio Lower Upper
138 100
92 103.6 37.0 77.0#
108 155.4 67.2 107.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2428
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:188 Resp: 316888
Ion Ratio Lower Upper
188 100
94 13.3 8.2 12.4#
80 14.7 9.4 14.2#

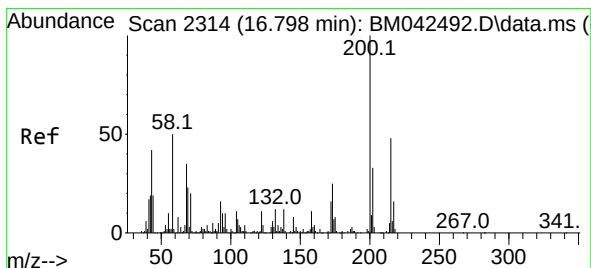
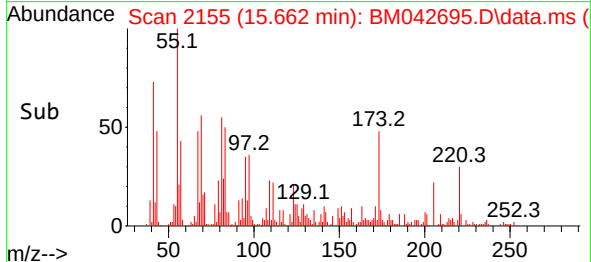
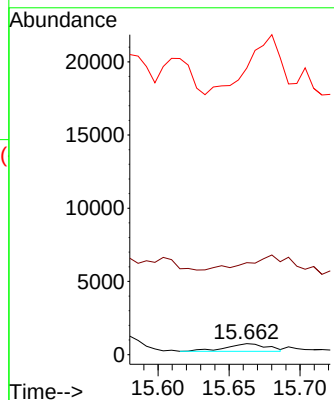
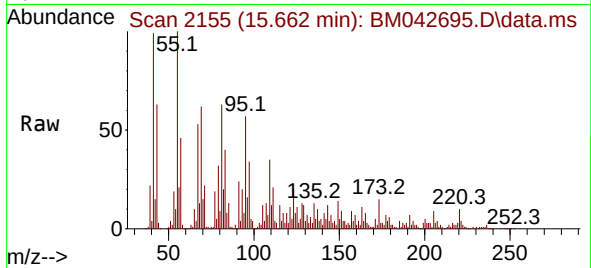




#65
4,6-Dinitro-2-methylphenol
Concen: 6.290 ng
RT: 15.662 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

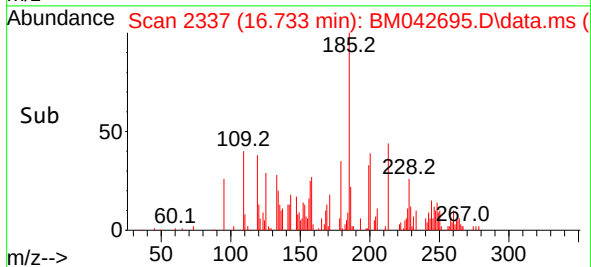
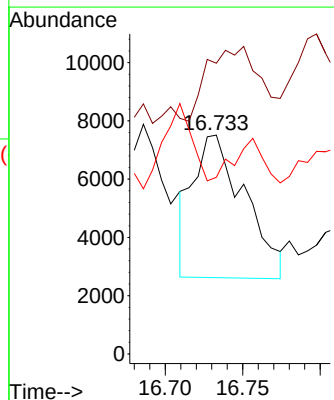
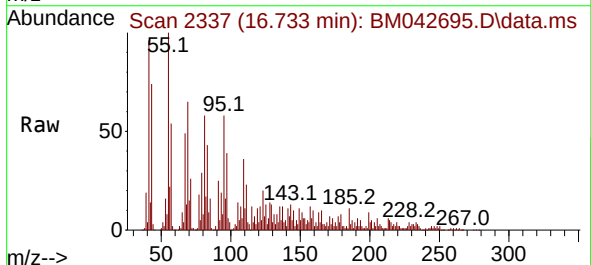
Instrument :
BNA_M
ClientSampleId :

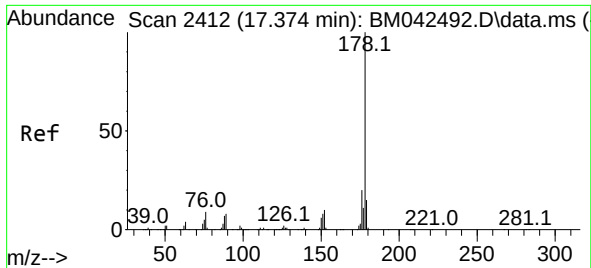
Tgt Ion:198 Resp: 1055
Ion Ratio Lower Upper
198 100
51 835.5 42.4 82.4#
105 2602.1 29.2 69.2#



#69
Atrazine
Concen: 4.378 ng
RT: 16.733 min Scan# 2337
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:200 Resp: 11304
Ion Ratio Lower Upper
200 100
173 132.9 5.4 45.4#
215 80.7 27.9 67.9#

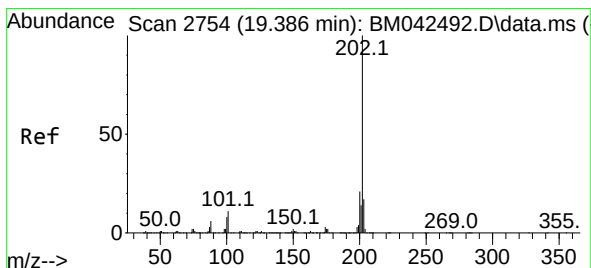
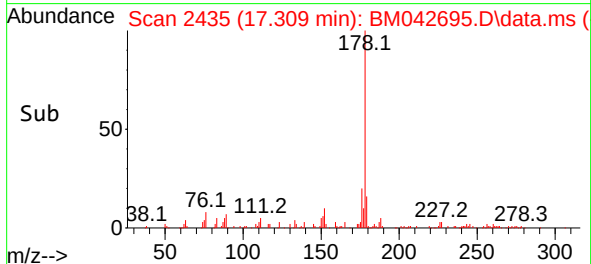
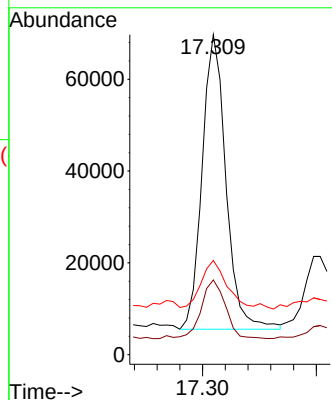
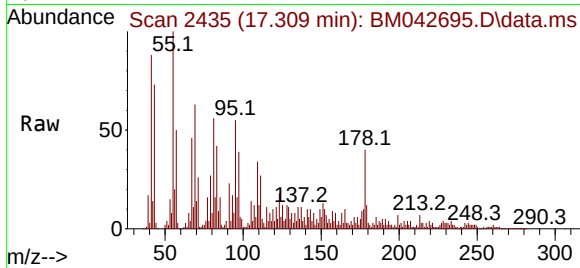




#71
Phenanthrene
Concen: 5.629 ng
RT: 17.309 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

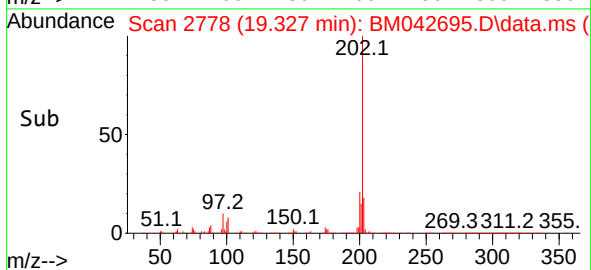
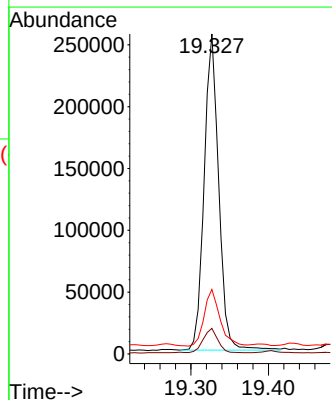
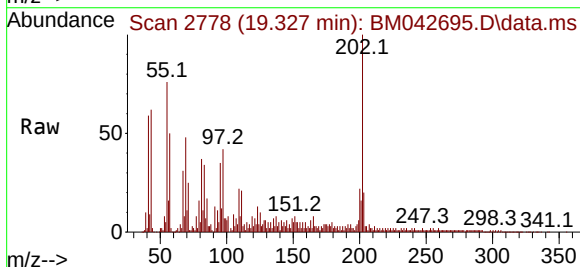
Instrument :
BNA_M
ClientSampleId :

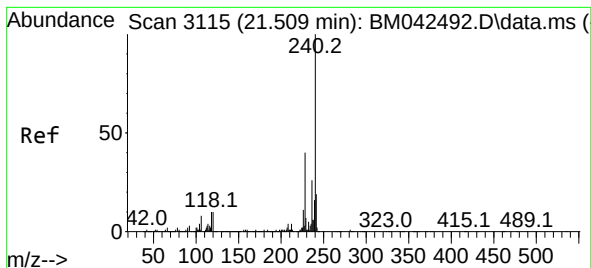
Tgt Ion:178 Resp: 93220
Ion Ratio Lower Upper
178 100
176 23.4 15.8 23.8
179 29.5 12.2 18.4#



#75
Fluoranthene
Concen: 17.124 ng
RT: 19.327 min Scan# 2778
Delta R.T. 0.012 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:202 Resp: 333102
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.5
203 20.1 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

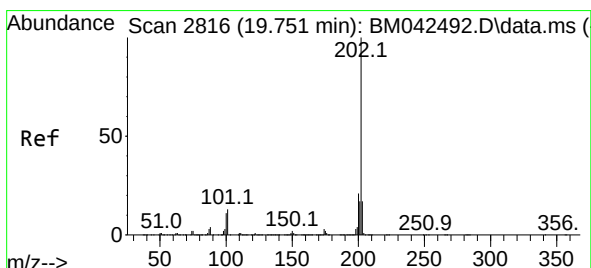
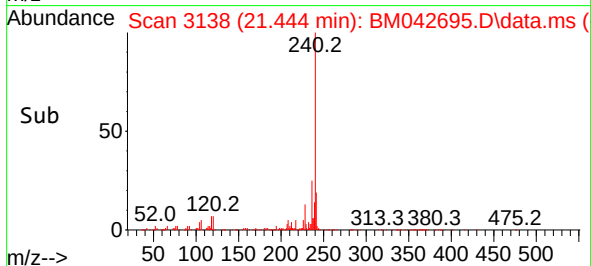
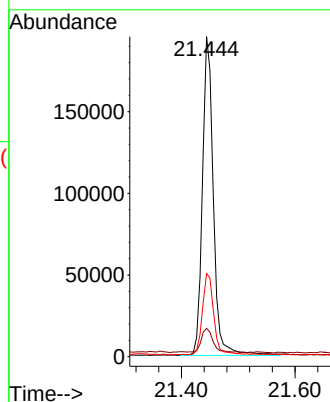
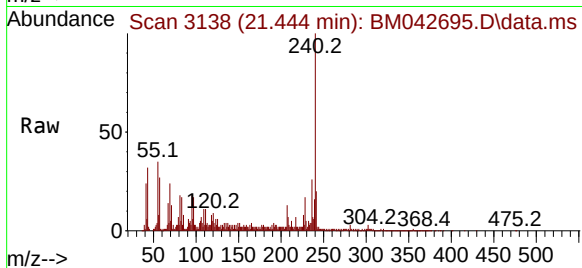
Tgt Ion:240 Resp: 261187

Ion Ratio Lower Upper

240 100

120 8.8 8.3 12.5

236 25.9 20.8 31.2



#78

Pyrene

Concen: 17.194 ng

RT: 19.692 min Scan# 2840

Delta R.T. 0.012 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

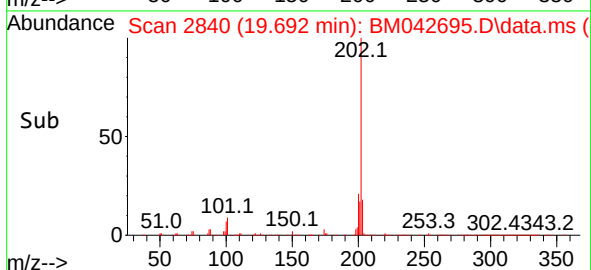
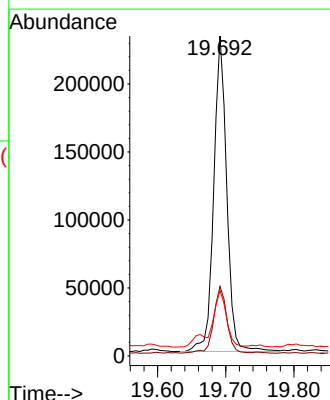
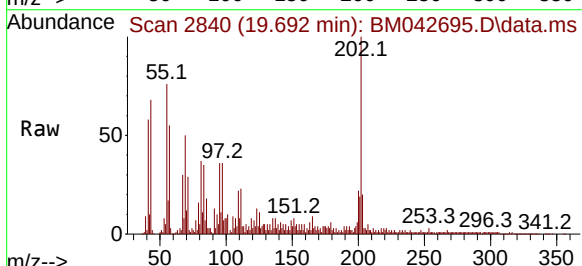
Tgt Ion:202 Resp: 308380

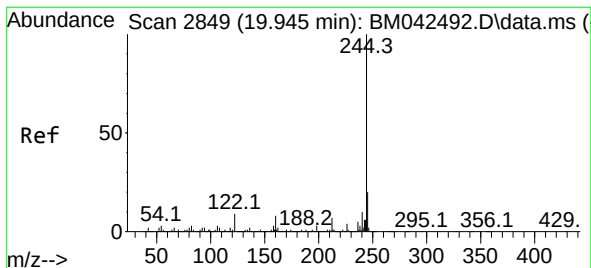
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 20.4 13.7 20.5





#79

Terphenyl-d14

Concen: 27.842 ng

RT: 19.880 min Scan# 21

Delta R.T. 0.006 min

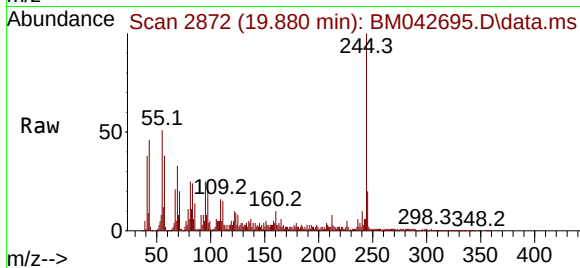
Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :



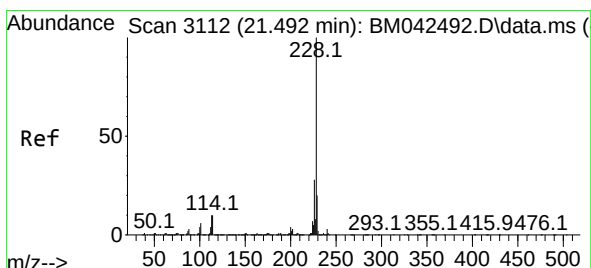
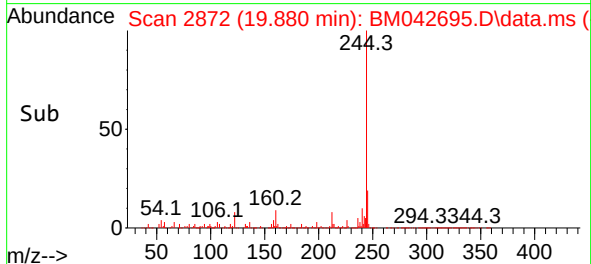
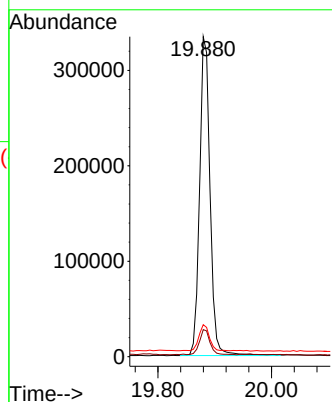
Tgt Ion:244 Resp: 428865

Ion Ratio Lower Upper

244 100

212 8.5 5.4 8.2#

122 10.0 7.2 10.8



#81

Benzo(a)anthracene

Concen: 8.858 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

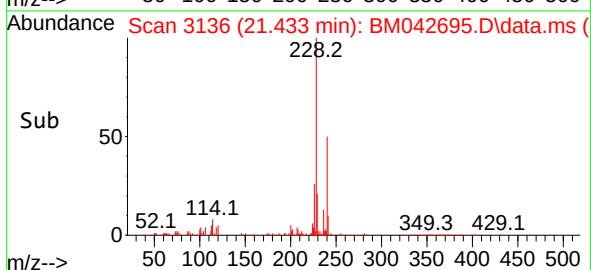
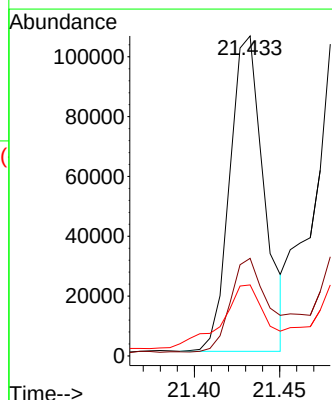
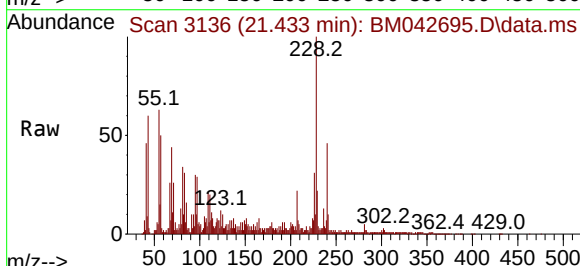
Tgt Ion:228 Resp: 147205

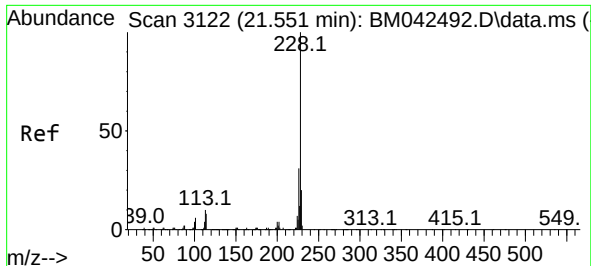
Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

229 22.2 15.8 23.8

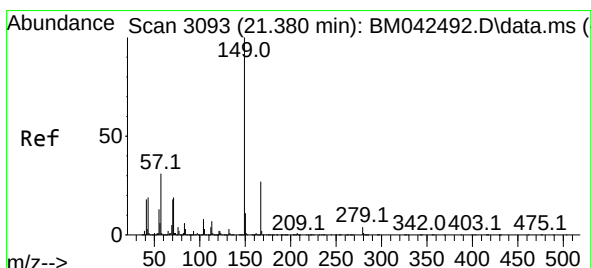
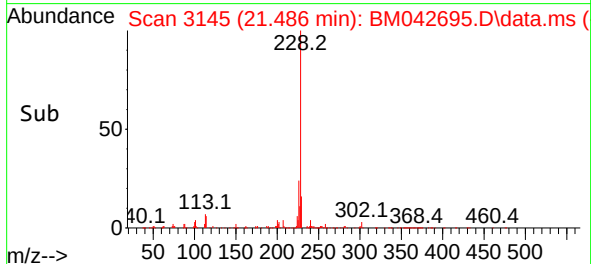
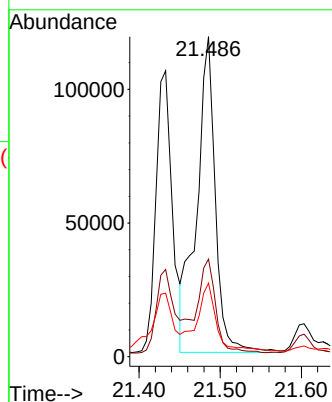
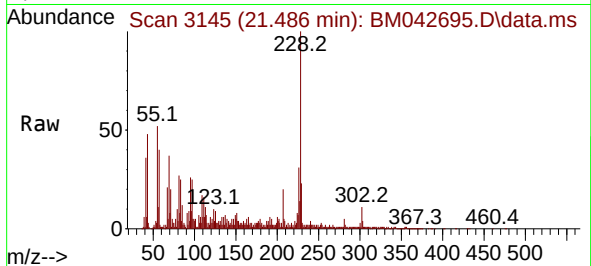




#83
Chrysene
Concen: 11.240 ng
RT: 21.486 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

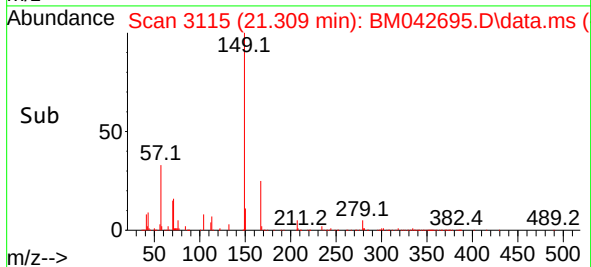
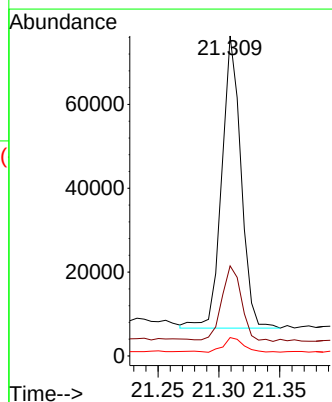
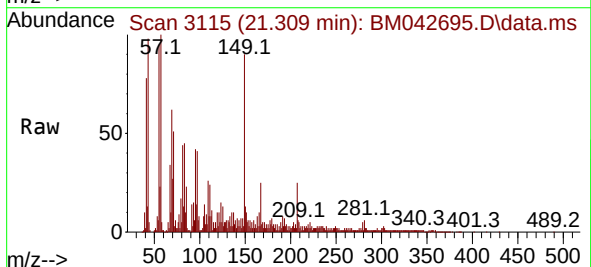
Instrument :
BNA_M
ClientSampleId :

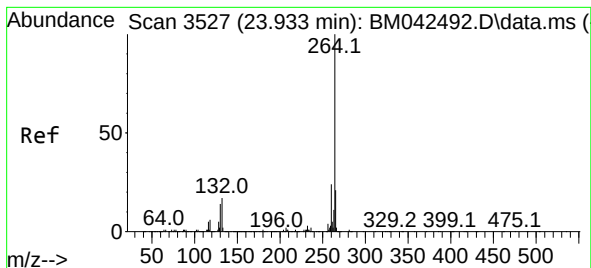
Tgt Ion:228 Resp: 189745
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 23.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.620 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:149 Resp: 76640
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.0
279 5.7 3.4 5.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.821 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

Instrument :

BNA_M

ClientSampleId :

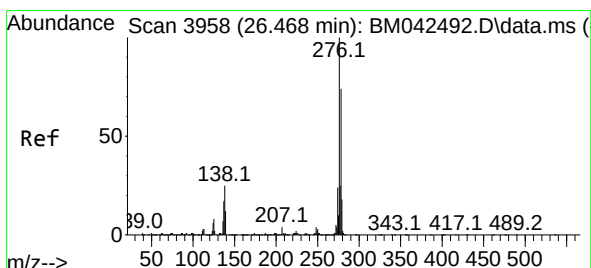
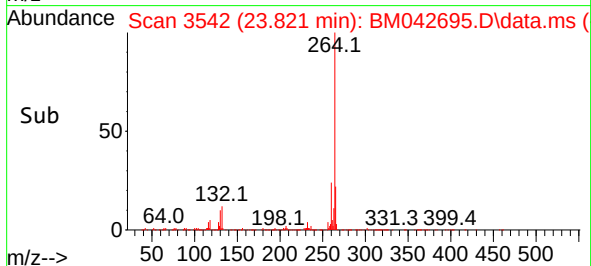
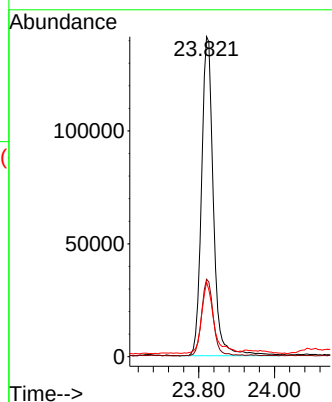
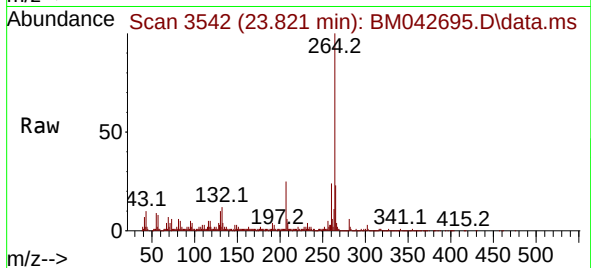
Tgt Ion:264 Resp: 307587

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

265 23.3 18.7 28.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.761 ng

RT: 26.297 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM042695.D

Acq: 10 Nov 2023 17:22

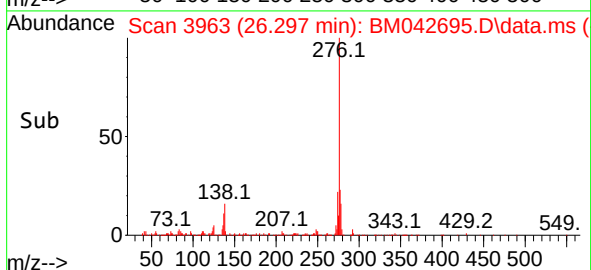
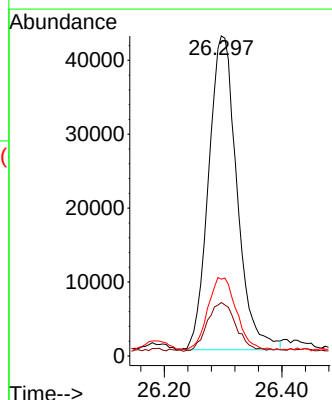
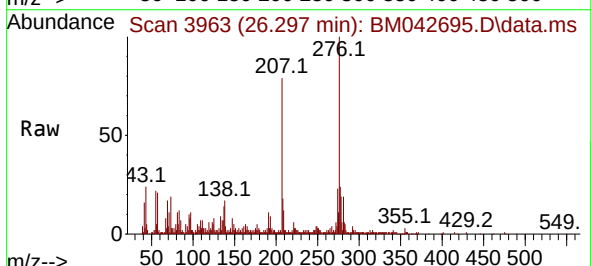
Tgt Ion:276 Resp: 142082

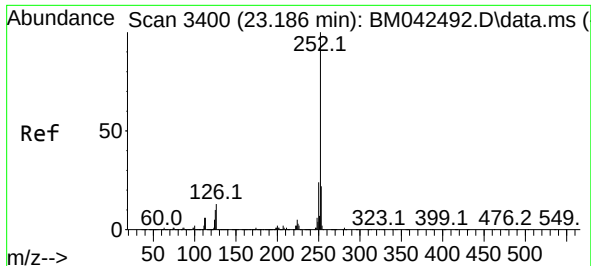
Ion Ratio Lower Upper

276 100

138 15.9 20.6 31.0#

277 23.0 19.5 29.3

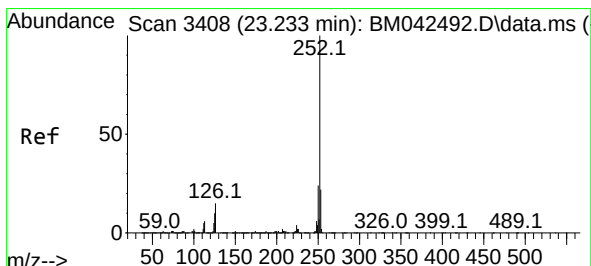
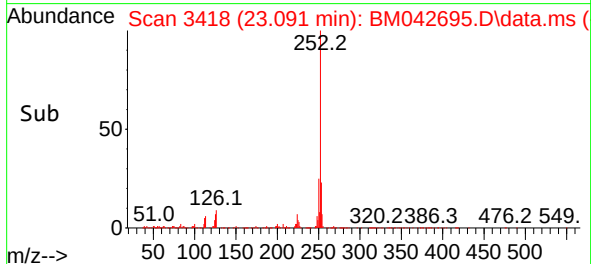
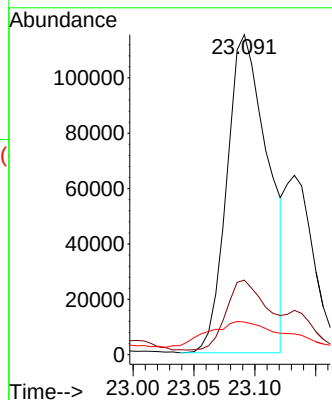
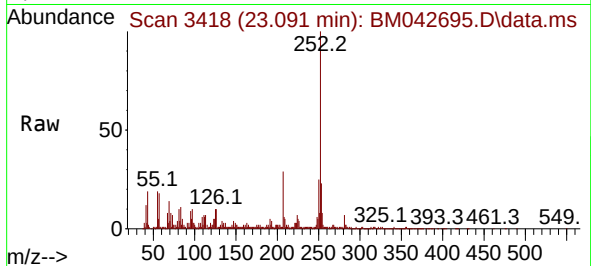




#88
Benzo(b)fluoranthene
Concen: 15.731 ng
RT: 23.091 min Scan# 3418
Delta R.T. 0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

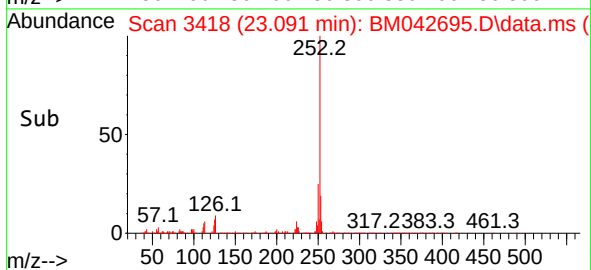
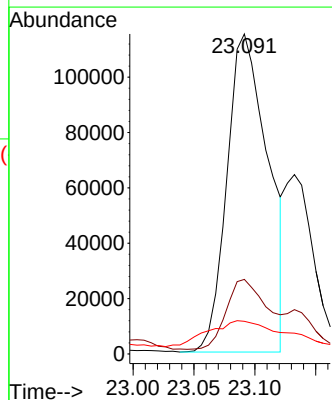
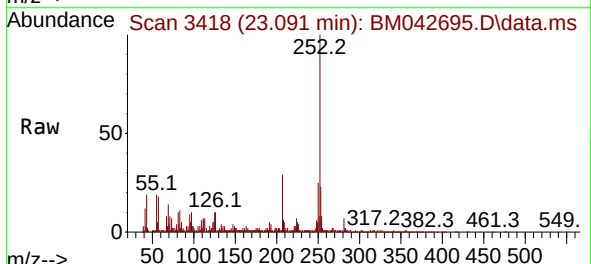
Instrument :
BNA_M
ClientSampleId :

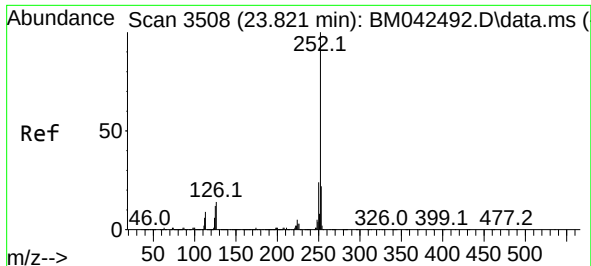
Tgt Ion:252 Resp: 269572
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.2 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 14.117 ng
RT: 23.091 min Scan# 3418
Delta R.T. -0.047 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

Tgt Ion:252 Resp: 269572
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 10.2 8.2 12.4

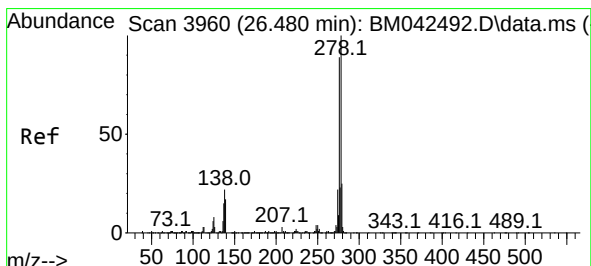
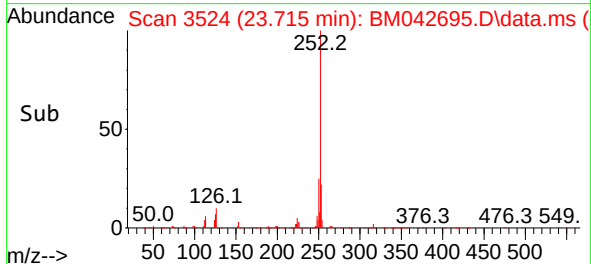
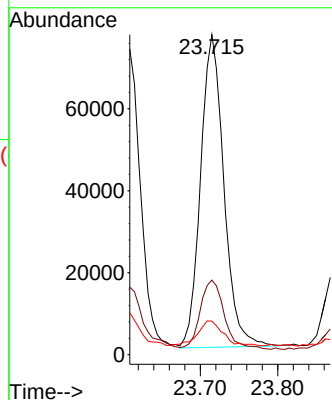
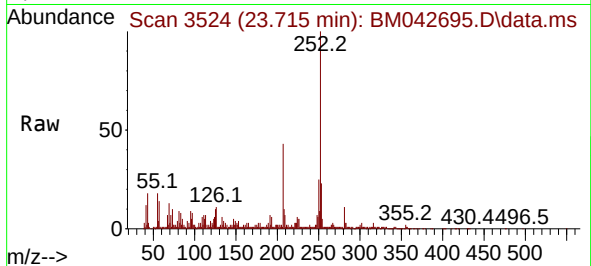




#90
Benzo(a)pyrene
Concen: 9.440 ng
RT: 23.715 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

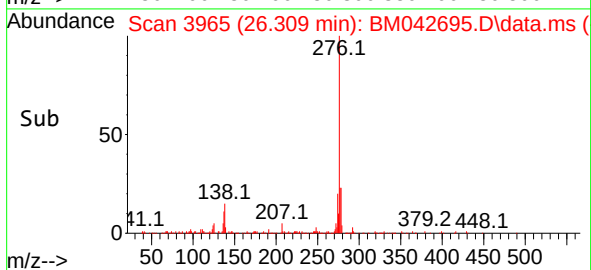
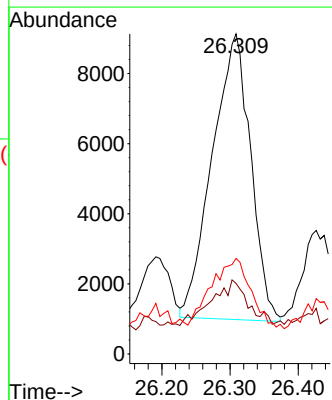
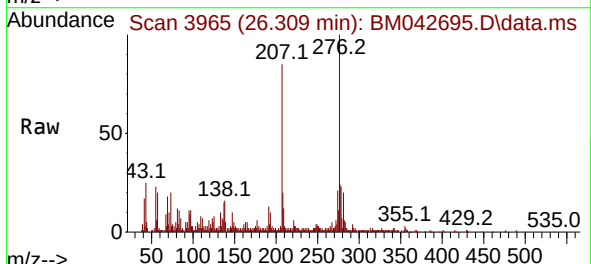
Instrument :
BNA_M
ClientSampleId :

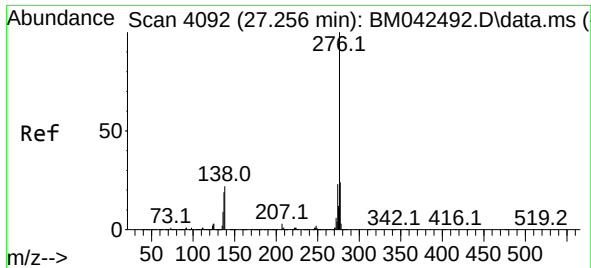
Tgt Ion:252 Resp: 159263
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.5 9.4 14.2



#91
Dibenzo(a,h)anthracene
Concen: 5.861 ng
RT: 26.309 min Scan# 3965
Delta R.T. -0.006 min
Lab File: BM042695.D
Acq: 10 Nov 2023 17:22

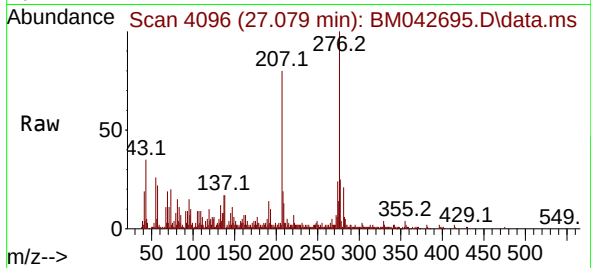
Tgt Ion:278 Resp: 31863
Ion Ratio Lower Upper
278 100
139 22.1 13.4 20.2#
279 29.8 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 9.285 ng
 RT: 27.079 min Scan# 4096
 Delta R.T. -0.000 min
 Lab File: BM042695.D
 Acq: 10 Nov 2023 17:22

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	276	Resp:	149820
Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	17.1	17.3	25.9

