

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
 Data File : BM018825.D
 Acq On : 15 Feb 2019 20:07
 Operator : JU/SJ
 Sample : K1484-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 M-3-S

Quant Time: Feb 18 12:19:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

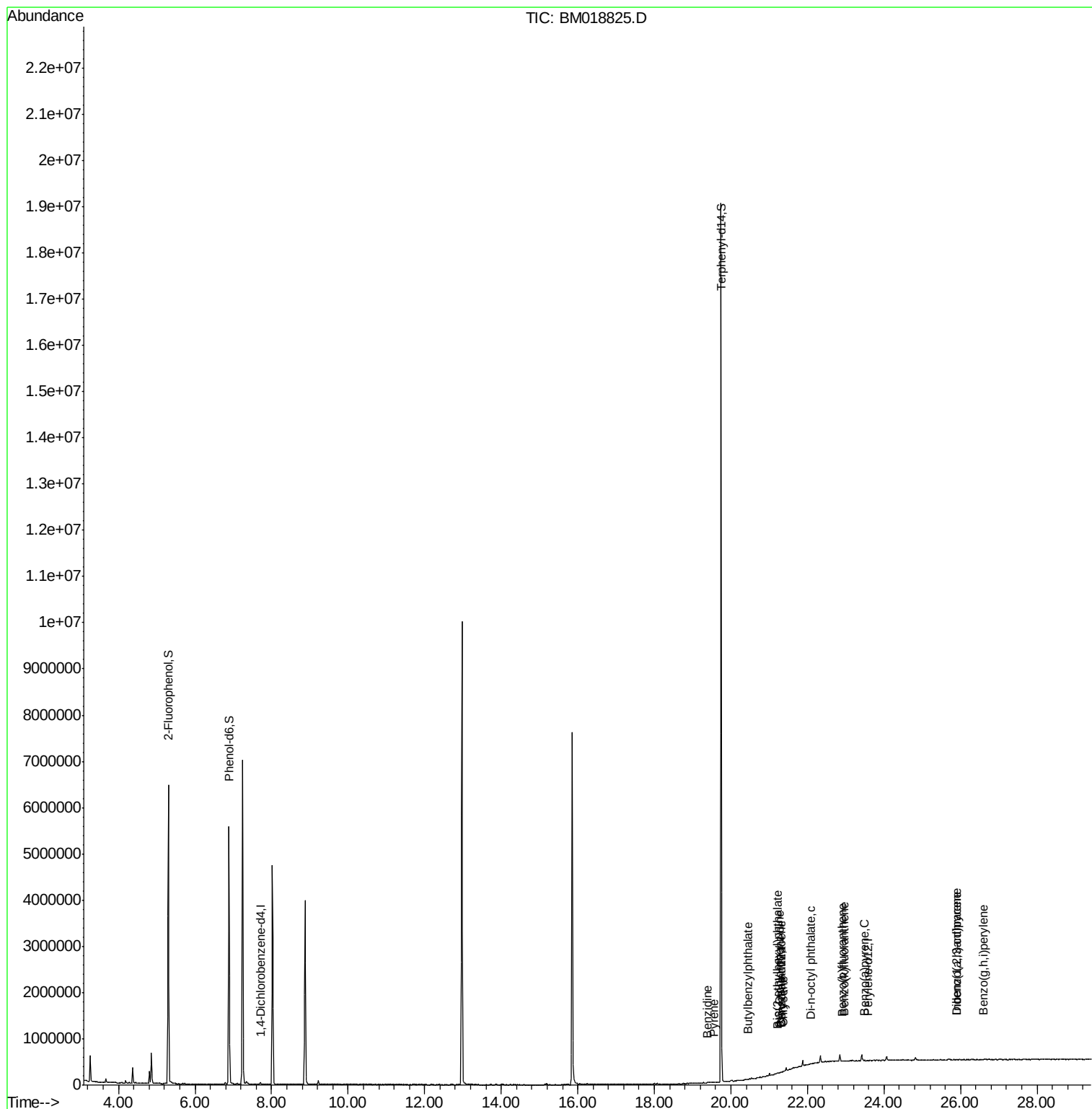
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	12146	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.50
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.36
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.12
76) Chrysene-d12	21.32	240	708	20.00	ng	0.00
87) Perylene-d12	23.59	264	801	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2548603	3438.02	ng	0.00
7) Phenol-d6	6.89	99	3124369	2991.81	ng	0.00
23) Nitrobenzene-d5	8.87	82	2570749	0.00	ng	-0.01
42) 2,4,6-Tribromophenol	15.86	330	1415559	0.00	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	4789413	0.00	ng	0.00
79) Terphenyl-d14	19.74	244	7813110	227650.23	ng	0.00
Target Compounds						
77) Benzidine	19.40	184	16927	1061.576	ng	# 91
78) Pyrene	19.54	202	921	22.398	ng	# 57
80) Butylbenzylphthalate	20.44	149	1520	81.110	ng	# 65
81) Benzo(a)anthracene	21.30	228	233	5.646	ng	# 51
82) 3,3'-Dichlorobenzidine	21.26	252	784	48.066	ng	# 95
83) Chrysene	21.36	228	496	12.539	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.21	149	3240	118.127	ng	# 80
85) Di-n-octyl phthalate	22.09	149	364	7.896	ng	# 1
86) Indeno(1,2,3-cd)pyrene	25.90	276	382	8.364	ng	# 69
88) Benzo(b)fluoranthene	22.90	252	894	19.508	ng	# 1
89) Benzo(k)fluoranthene	22.96	252	494	10.827	ng	# 1
90) Benzo(a)pyrene	23.49	252	879	20.247	ng	# 1
91) Dibenzo(a,h)anthracene	25.89	278	182	4.231	ng	# 34
92) Benzo(a,h,i)perylene	26.60	276	118	2.947	ng	# 53

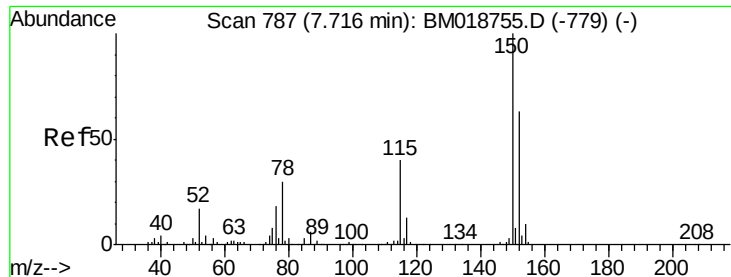
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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Acq On    : 15 Feb 2019  20:07  
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Sample    : K1484-12  
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Instrument :
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Quant Time: Feb 18 12:19:13 2019
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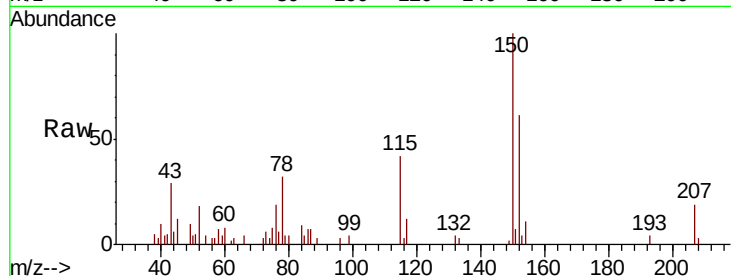


#1

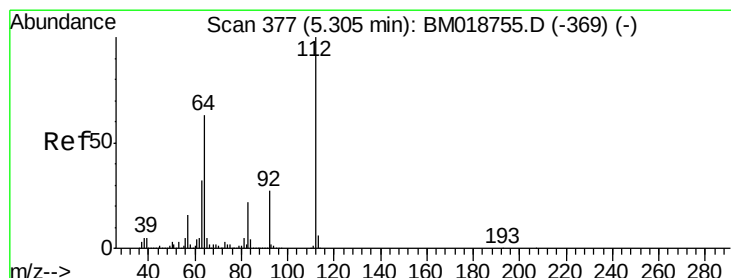
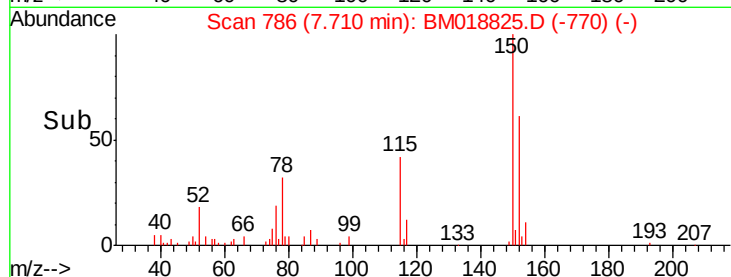
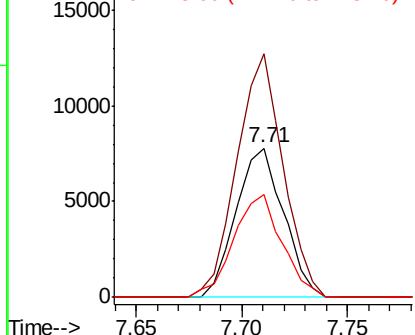
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Instrument :
BNA_M
ClientSampleId :
M-3-S

Tot Ion:152 Resp: 12146
Ion Ratio Lower Upper
152 100
150 163.4 127.3 190.9
115 69.0 50.8 76.2



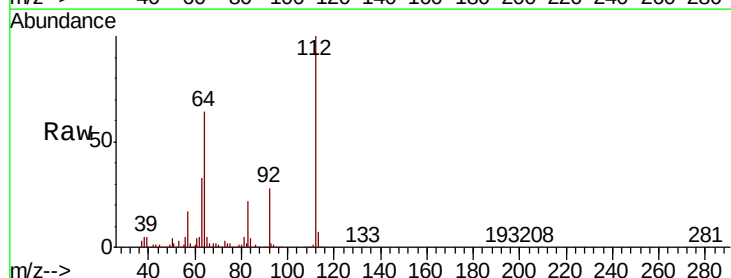
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



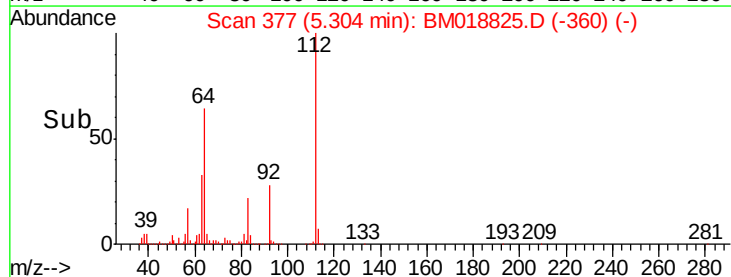
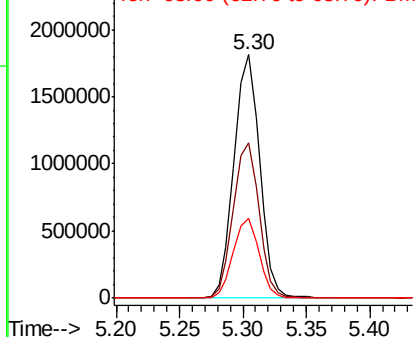
#5

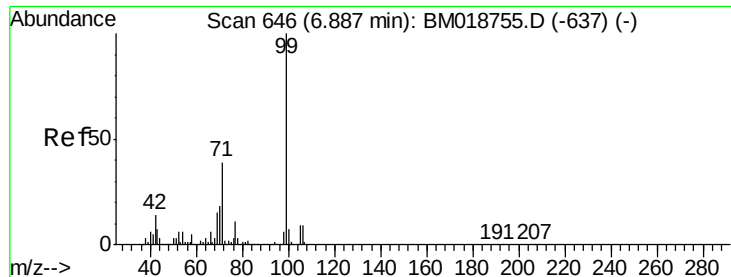
2-Fluorophenol
Concen: 3438.021 ng
RT: 5.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion:112 Resp: 2548603
Ion Ratio Lower Upper
112 100
64 63.7 50.6 75.8
63 32.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 2991.806 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

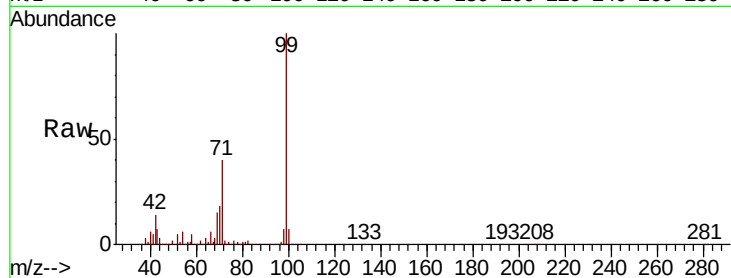
Tot Ion: 99 Resp: 3124369

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

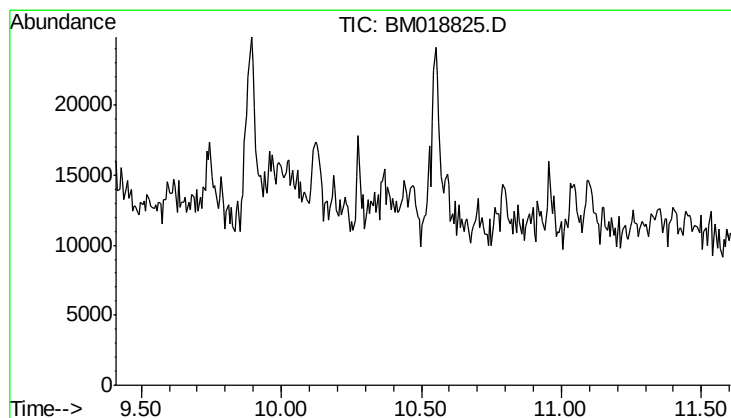
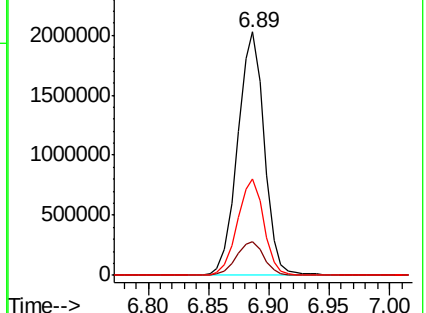
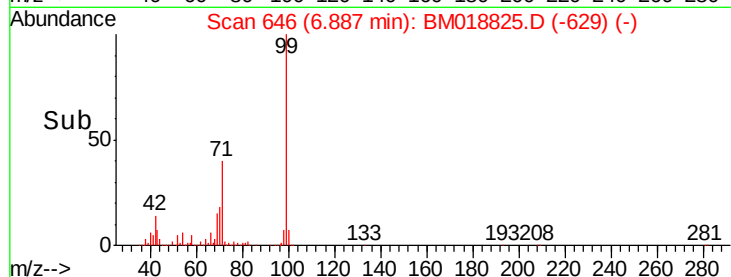
71 39.5 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018825.D

Ion 42.00 (41.70 to 42.70): BM018825.D

Ion 71.00 (70.70 to 71.70): BM018825.D



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.50 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Tgt Ion: 136

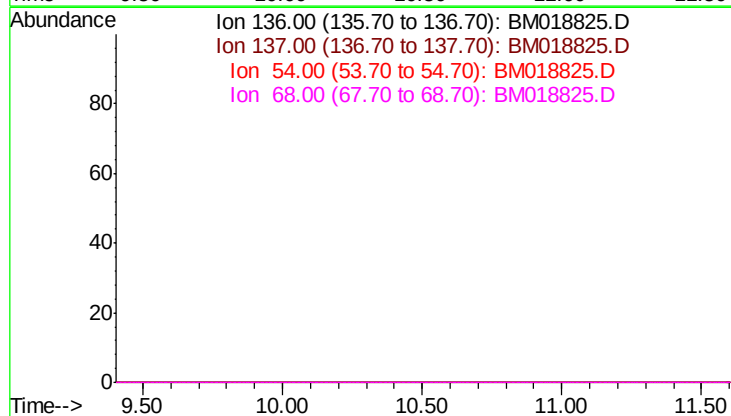
Sig Exp Ratio

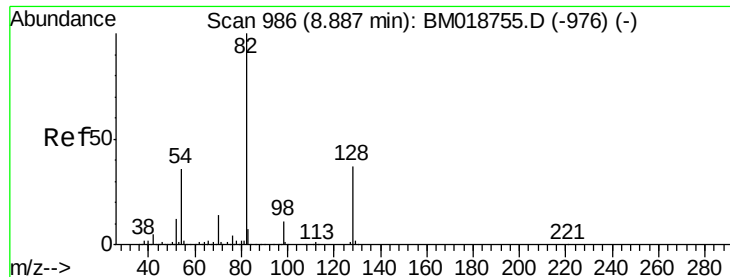
136 100

137 11.0

54 6.3

68 6.9





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

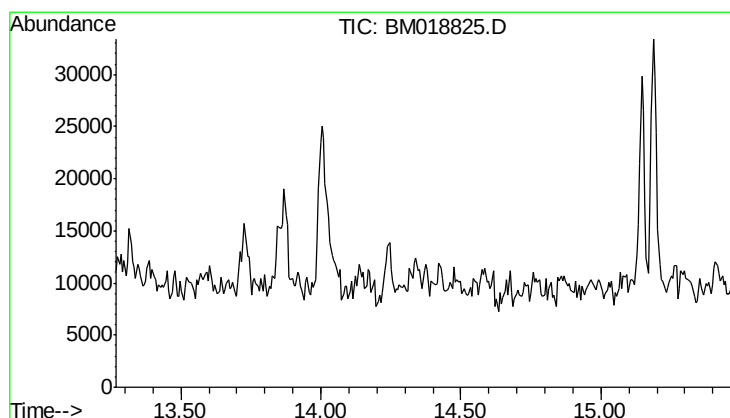
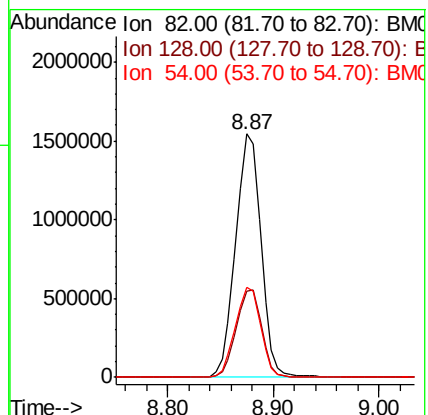
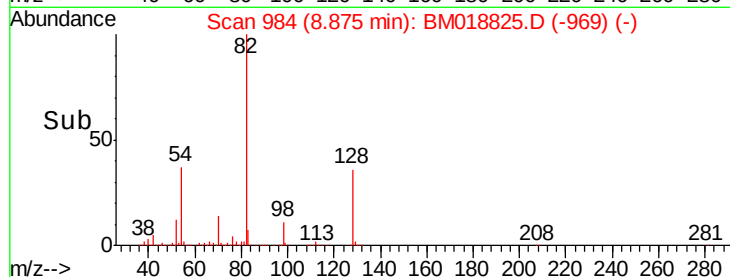
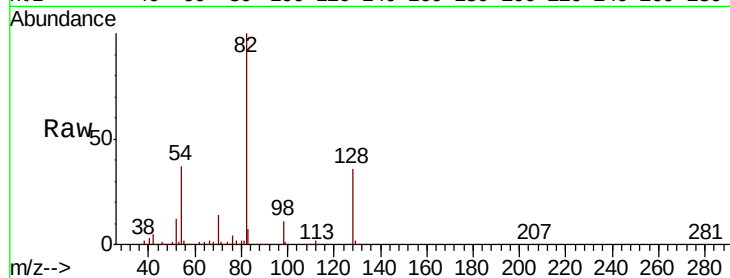
Tot Ion: 82 Resp: 2570749

Ion Ratio Lower Upper

82 100

128 35.5 29.9 44.9

54 36.8 29.1 43.7



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 14.36 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

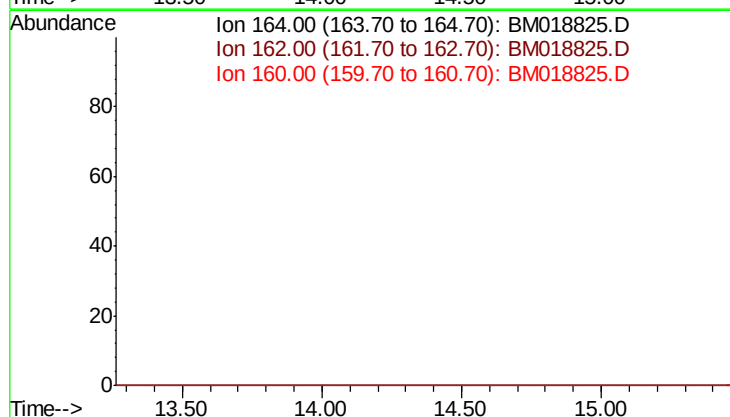
Tgt Ion: 164

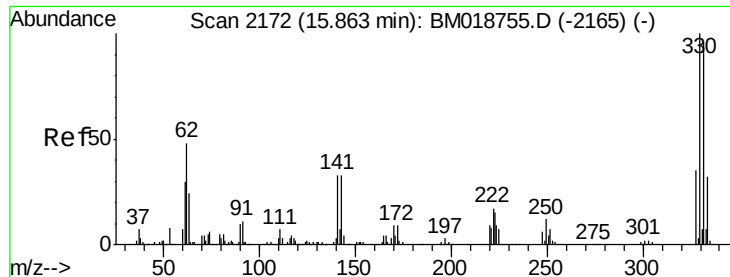
Sig Exp Ratio

164 100

162 104.2

160 45.8





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 15.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

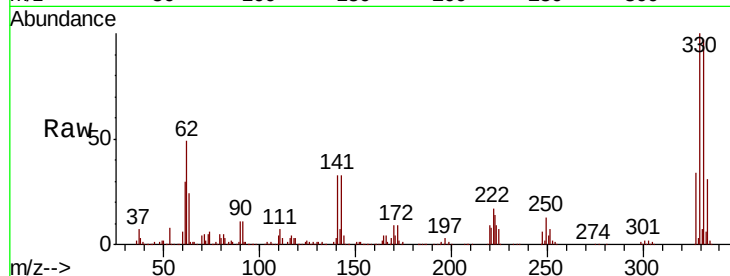
Tot Ion:330 Resp: 1415559

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

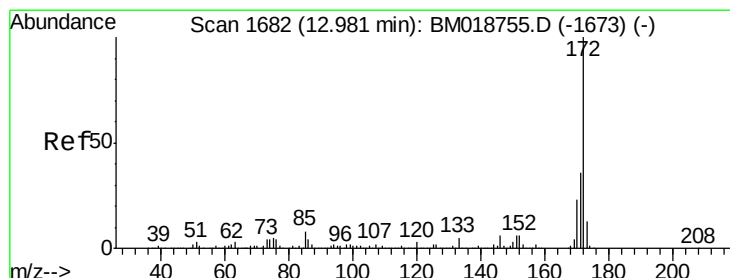
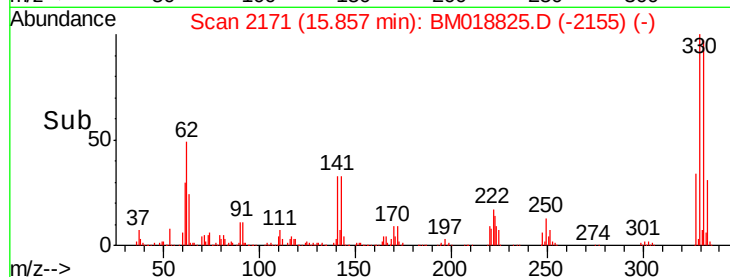
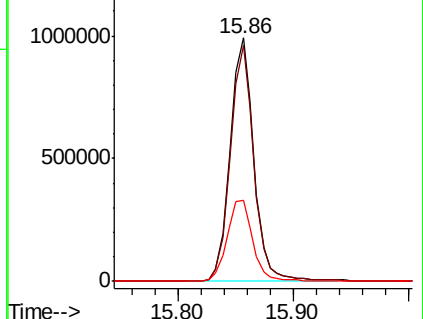
141 36.3 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 12.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

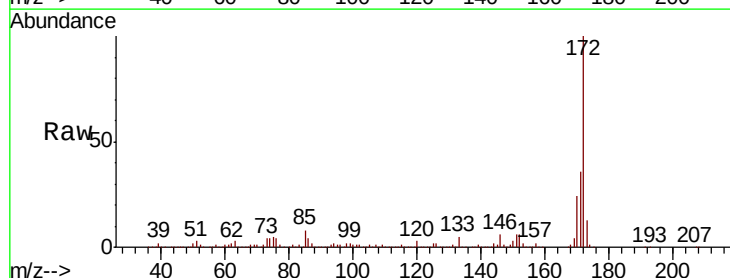
Tgt Ion:172 Resp: 4789413

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

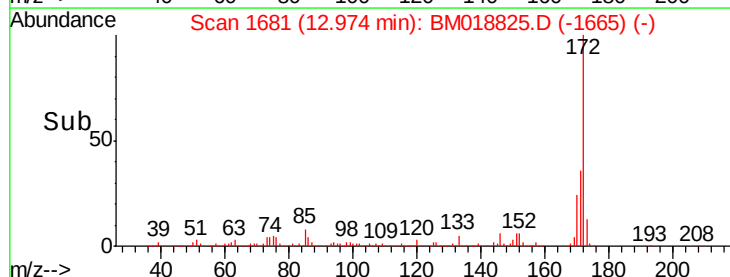
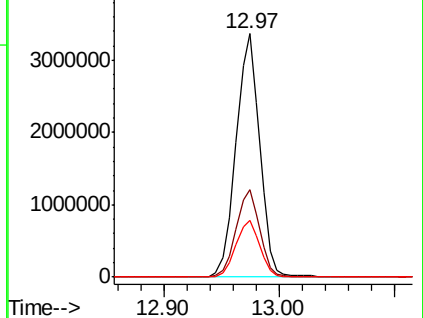
170 23.5 18.6 28.0

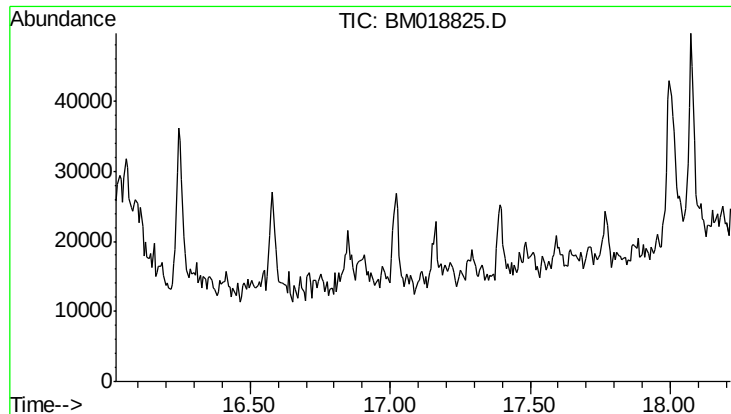


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

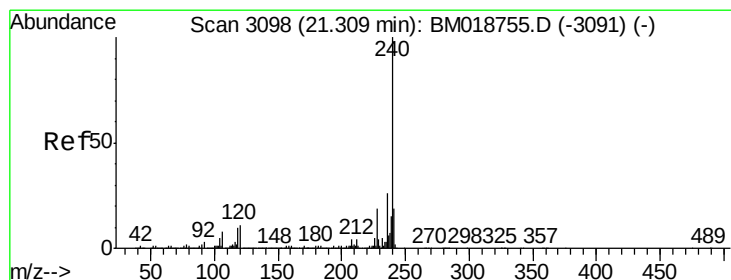
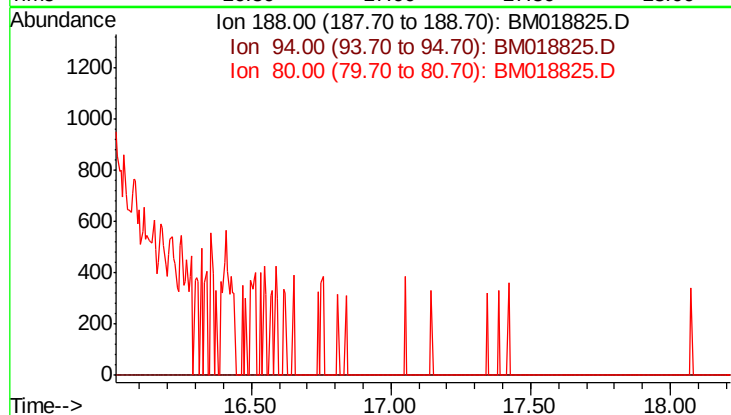




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.12 min
 Lab File: BM018825.D
 Acq: 15 Feb 2019 20:07

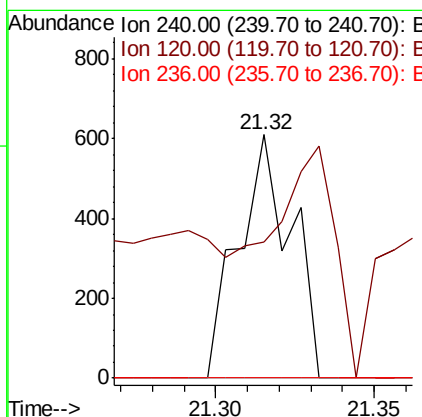
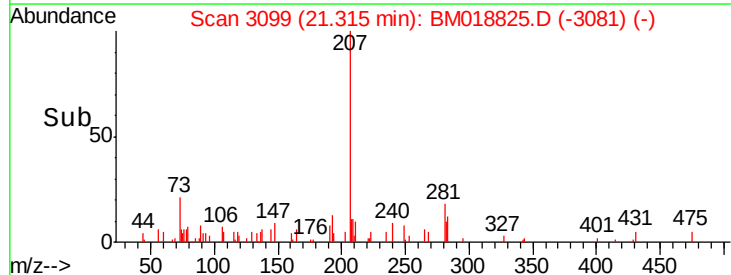
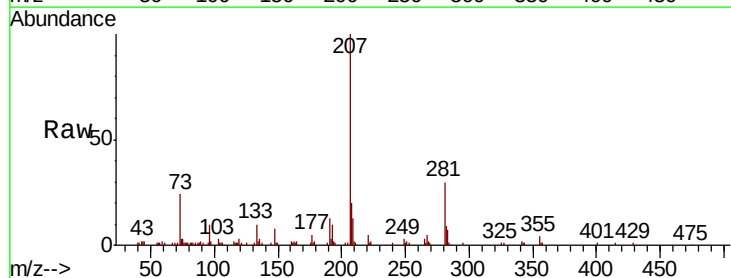
Instrument :
 BNA_M
 ClientSampleId :
 M-3-S

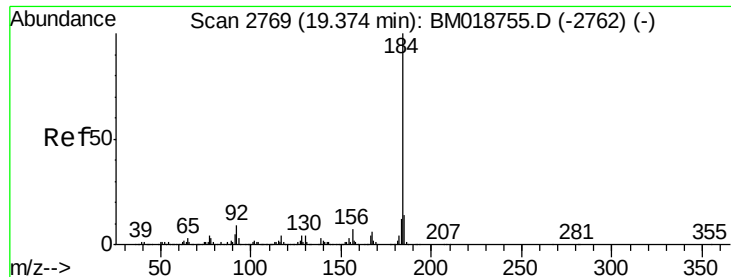
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 10.2
 80 12.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.32 min Scan# 3099
 Delta R.T. 0.01 min
 Lab File: BM018825.D
 Acq: 15 Feb 2019 20:07

Tgt Ion: 240 Resp: 708
 Ion Ratio Lower Upper
 240 100
 120 55.9 8.9 13.3#
 236 0.0 20.9 31.3#





#77

Benzidine

Concen: 1061.576 ng

RT: 19.40 min Scan# 2773

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

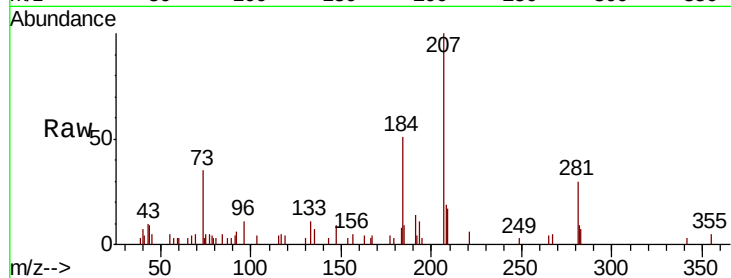
Tot Ion:184 Resp: 16927

Ion Ratio Lower Upper

184 100

185 17.6 11.2 16.8#

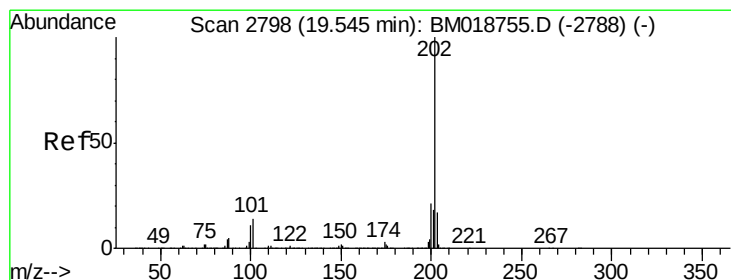
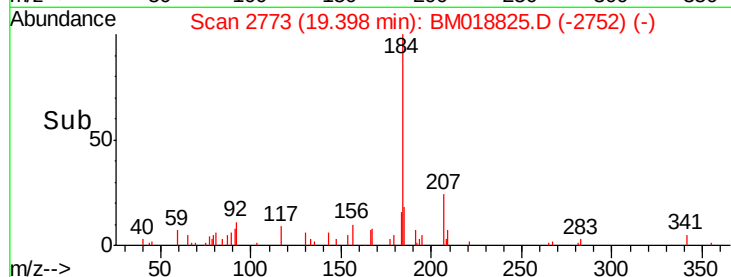
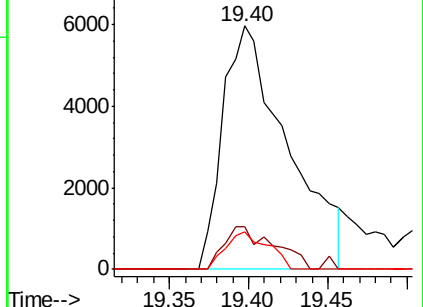
183 15.5 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 22.398 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

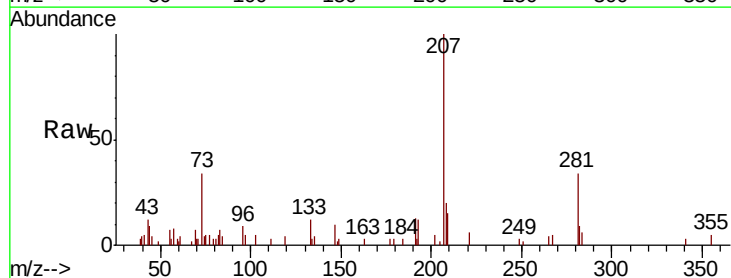
Tgt Ion:202 Resp: 921

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

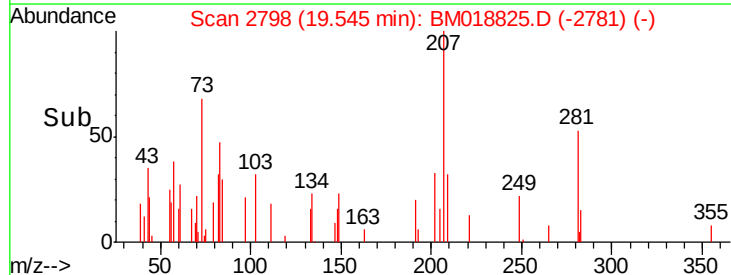
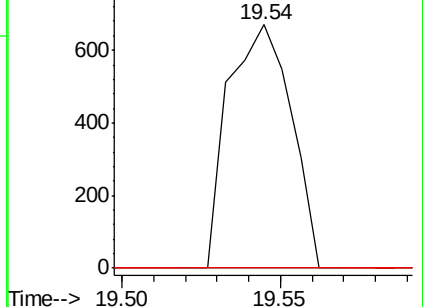
203 0.0 13.8 20.8#

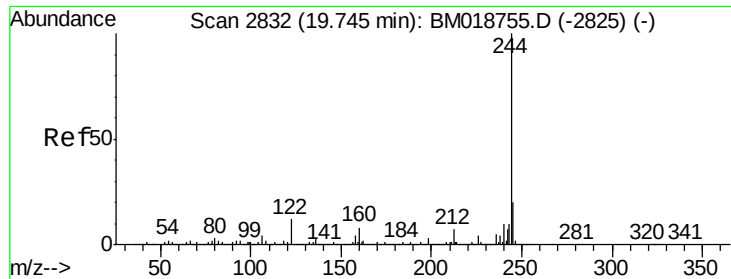


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 227650.234 ng

RT: 19.74 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

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ClientSampled :

M-3-S

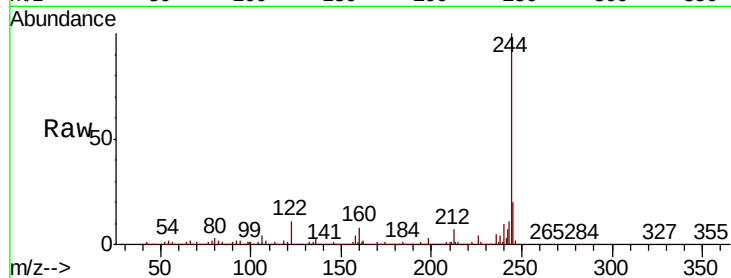
Tot Ion:244 Resp: 7813110

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

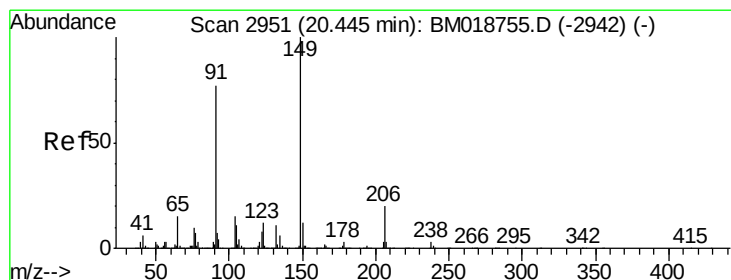
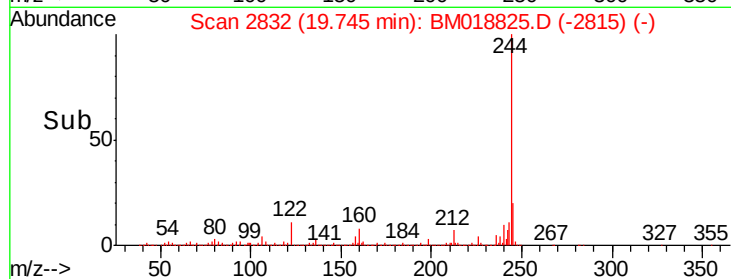
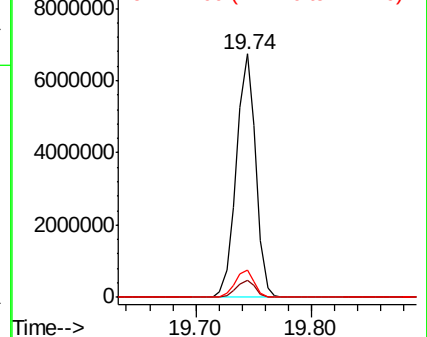
122 11.3 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 81.110 ng

RT: 20.44 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

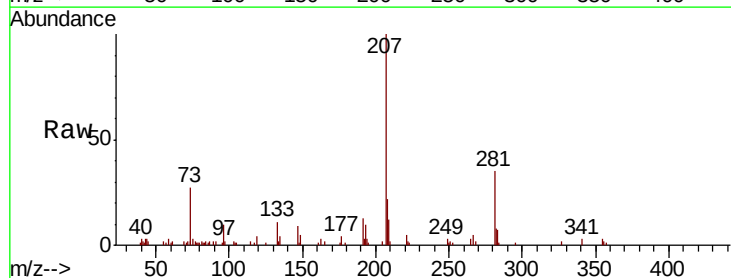
Tgt Ion:149 Resp: 1520

Ion Ratio Lower Upper

149 100

91 48.2 61.4 92.0#

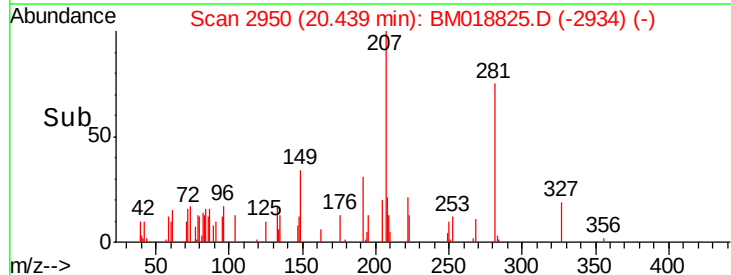
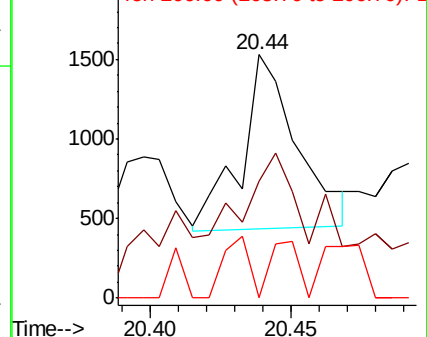
206 0.0 15.8 23.8#

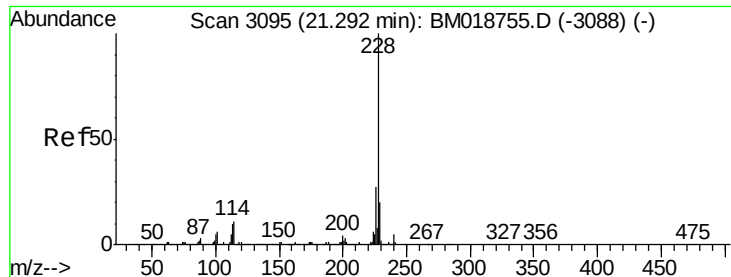


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.646 ng

RT: 21.30 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

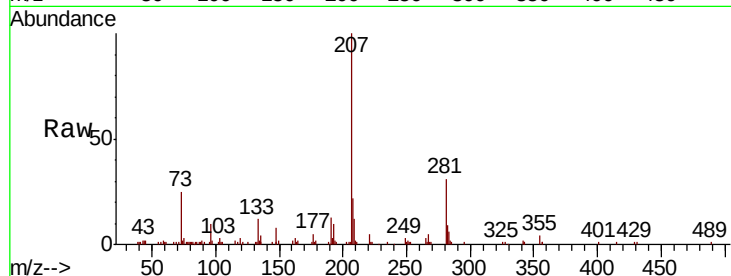
Tot Ion:228 Resp: 233

Ion Ratio Lower Upper

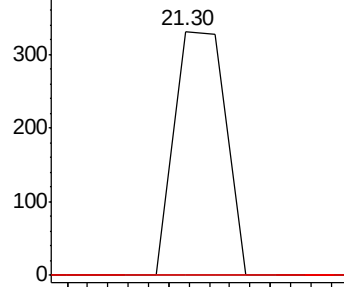
228 100

226 0.0 21.9 32.9#

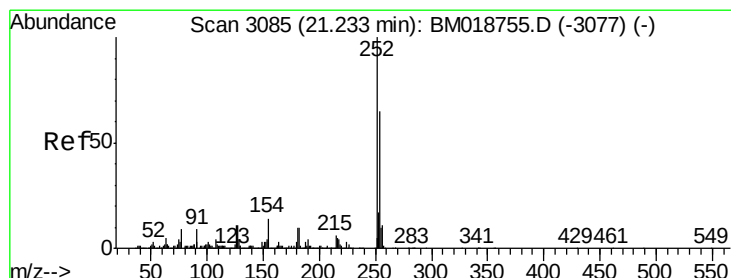
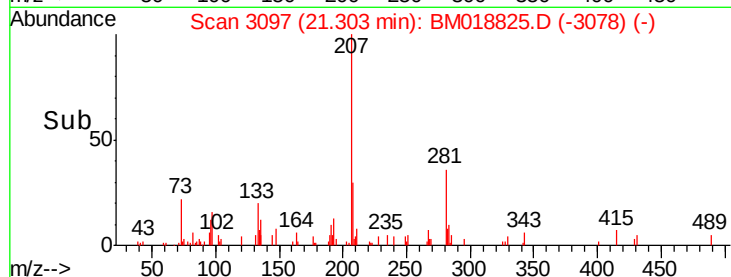
229 0.0 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.28 21.30 21.32



#82

3,3'-Dichlorobenzidine

Concen: 48.066 ng

RT: 21.26 min Scan# 3090

Delta R.T. 0.03 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

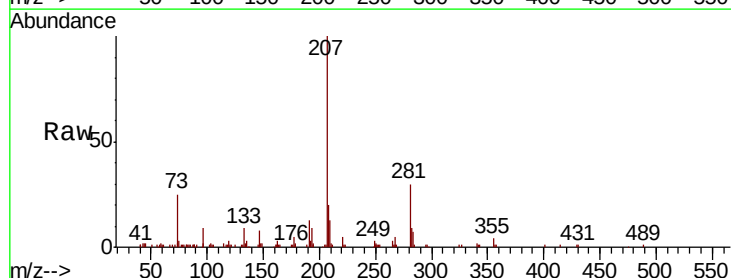
Tgt Ion:252 Resp: 784

Ion Ratio Lower Upper

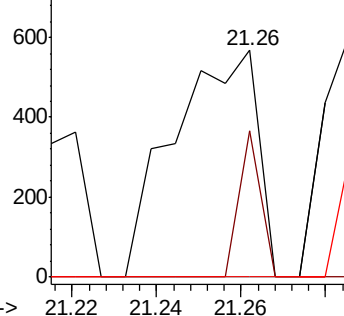
252 100

254 64.7 51.8 77.8

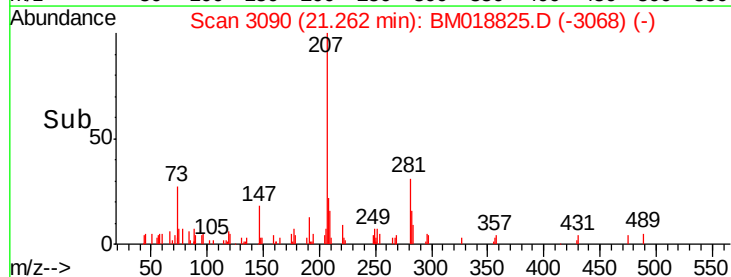
126 0.0 9.1 13.7#

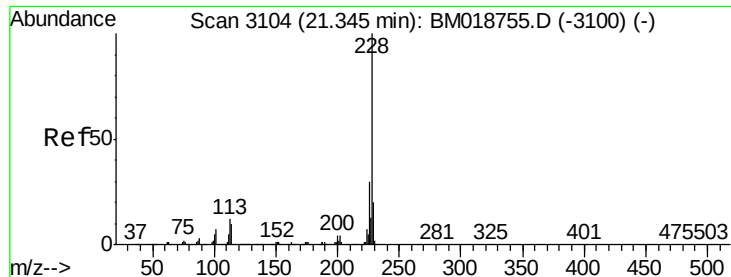


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Time--> 21.22 21.24 21.26





#83

Chrysene

Concen: 12.539 ng

RT: 21.36 min Scan# 3107

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampled :

M-3-S

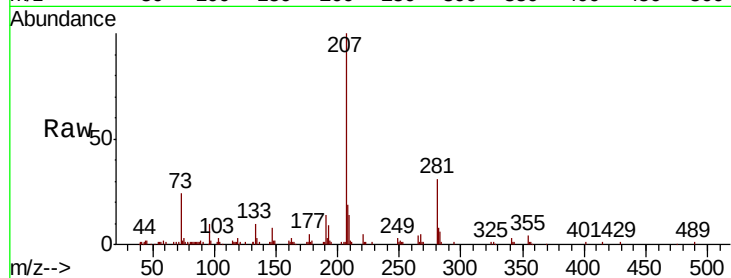
Tot Ion:228 Resp: 496

Ion Ratio Lower Upper

228 100

226 0.0 24.1 36.1#

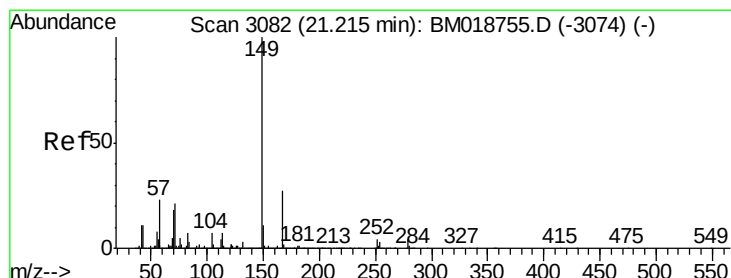
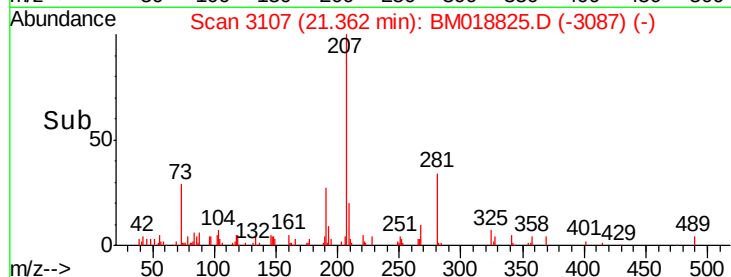
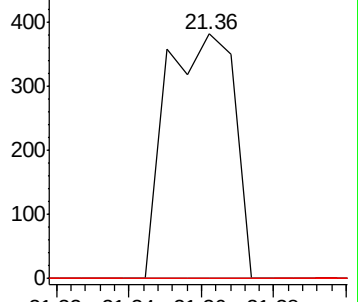
229 0.0 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 118.127 ng

RT: 21.21 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

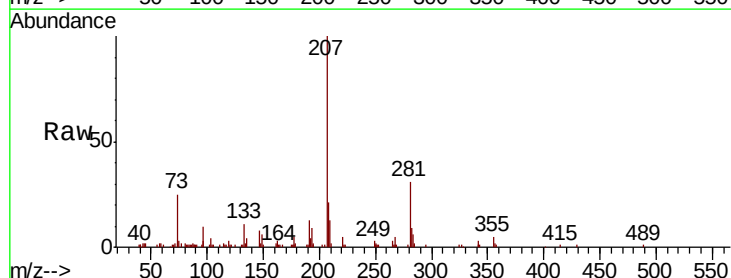
Tgt Ion:149 Resp: 3240

Ion Ratio Lower Upper

149 100

167 16.7 21.8 32.6#

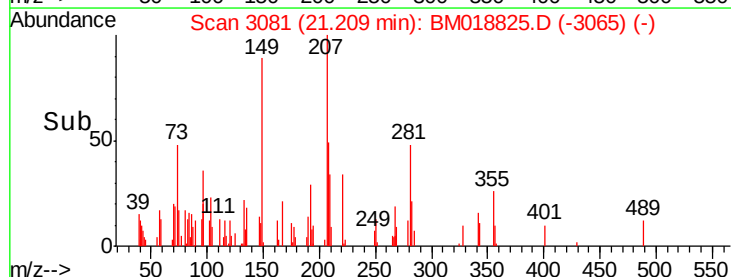
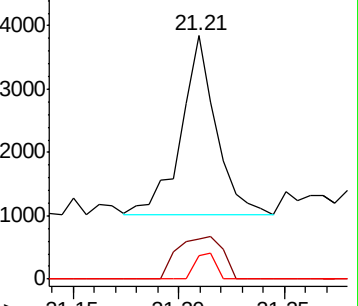
279 9.6 3.6 5.4#

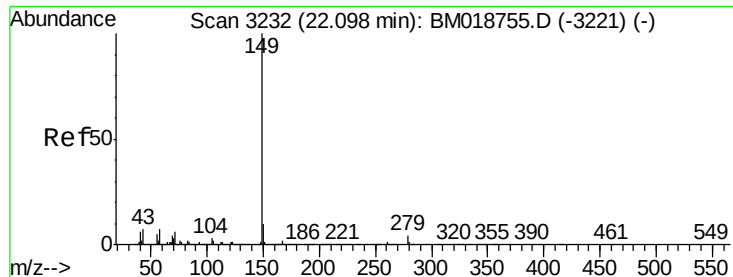


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

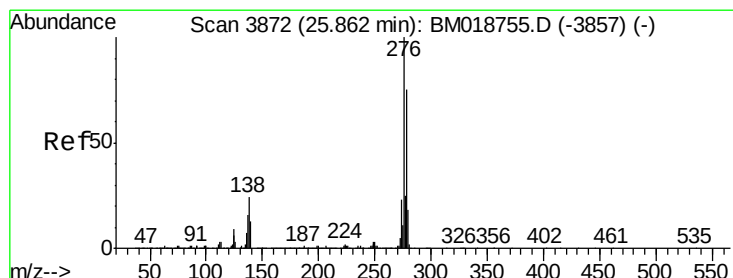
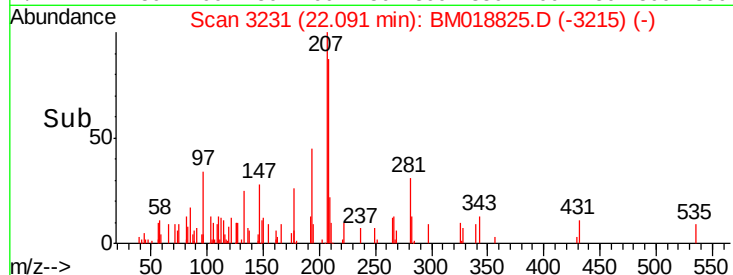
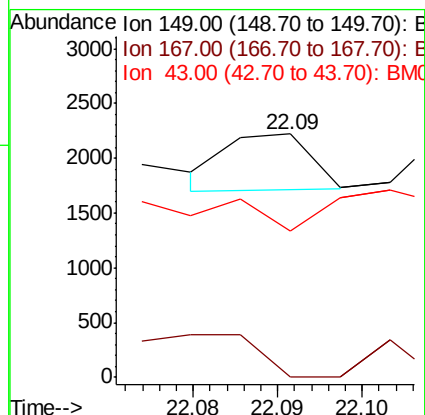
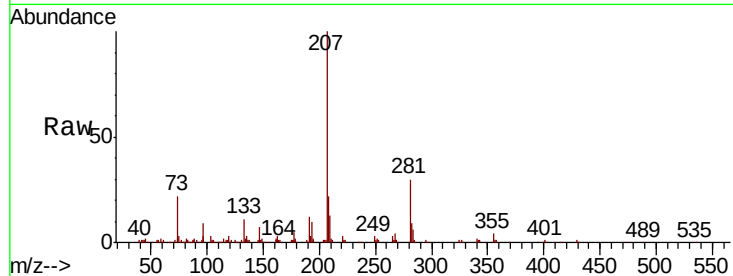




#85
Di-n-octyl phthalate
Concen: 7.896 ng
RT: 22.09 min Scan# 3231
Delta R.T. -0.01 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

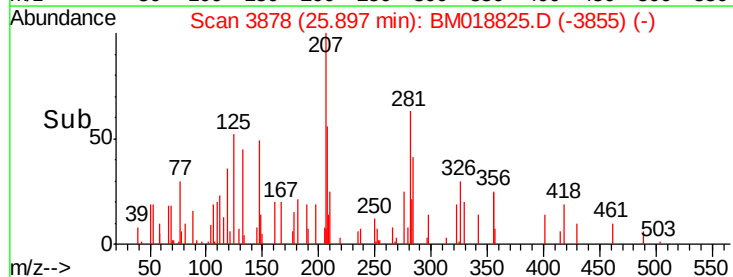
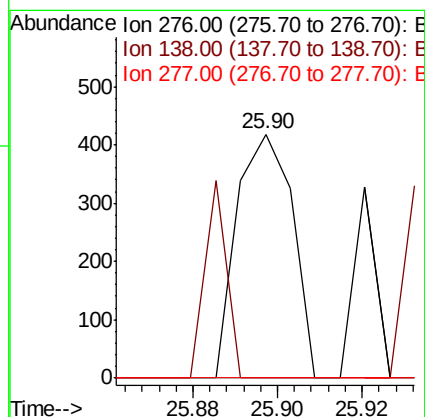
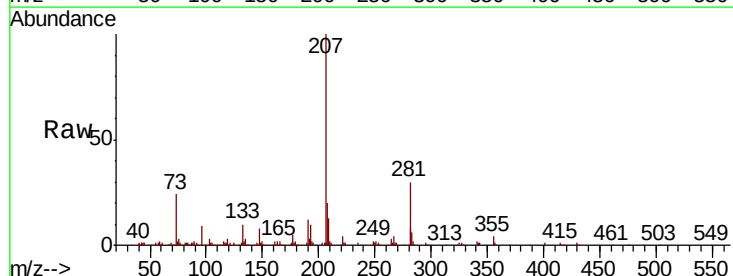
Instrument :
BNA_M
ClientSampleId :
M-3-S

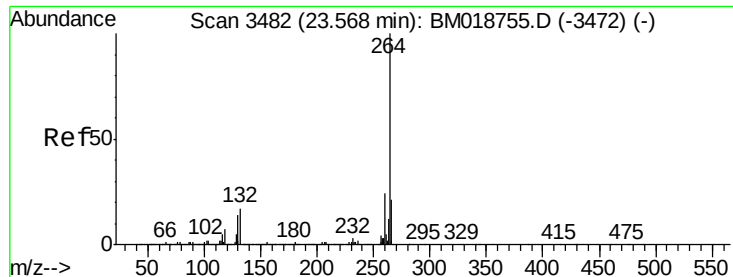
Tot Ion	Ratio	Lower	Upper
149	100		
167	32.7	1.3	1.9#
43	95.6	6.0	9.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.364 ng
RT: 25.90 min Scan# 3878
Delta R.T. 0.04 min
Lab File: BM018825.D
Acq: 15 Feb 2019 20:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.2	20.2	30.4#
277	0.0	20.3	30.5#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.59 min Scan# 3485

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

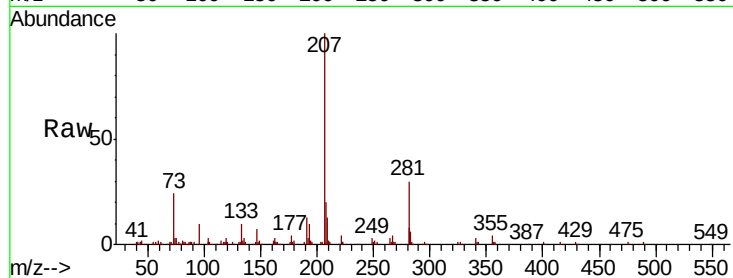
Tot Ion:264 Resp: 801

Ion Ratio Lower Upper

264 100

260 0.0 18.9 28.3#

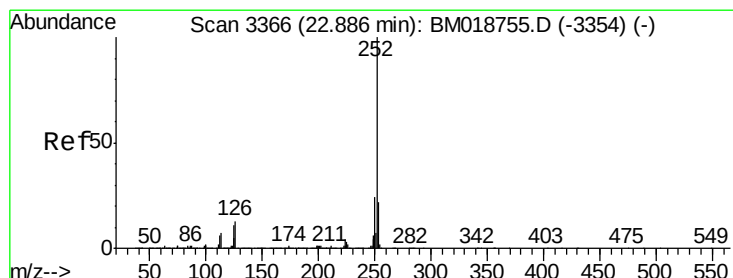
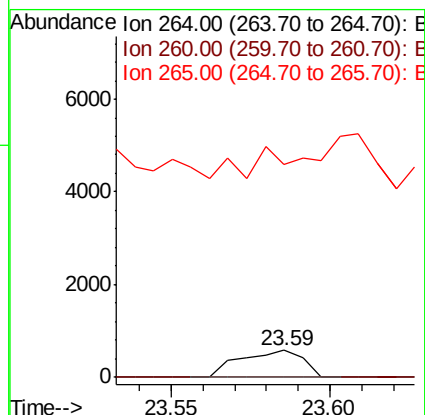
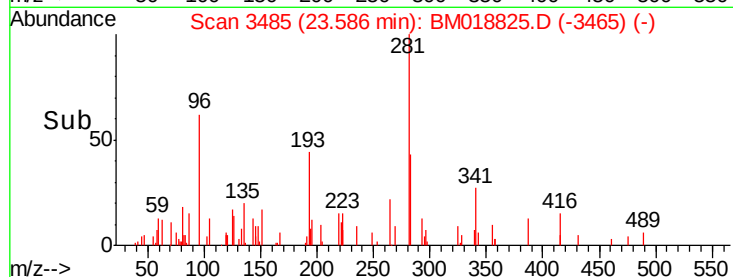
265 782.9 17.3 25.9#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 19.508 ng

RT: 22.90 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

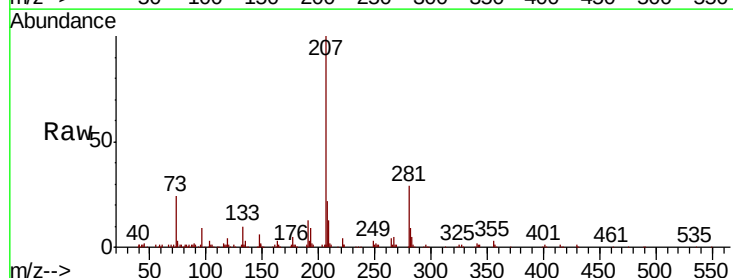
Tgt Ion:252 Resp: 894

Ion Ratio Lower Upper

252 100

253 78.1 17.8 26.6#

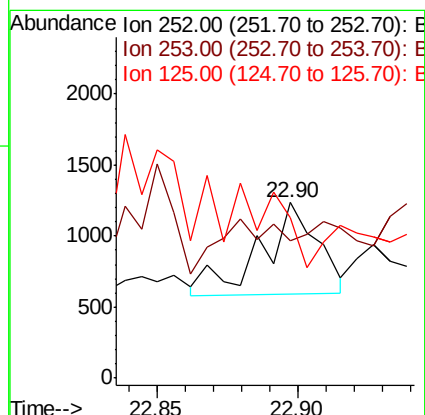
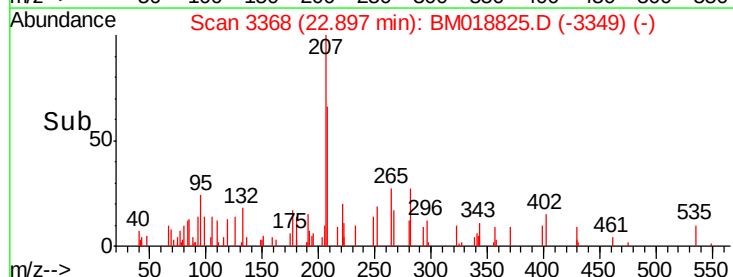
125 91.3 8.6 12.8#

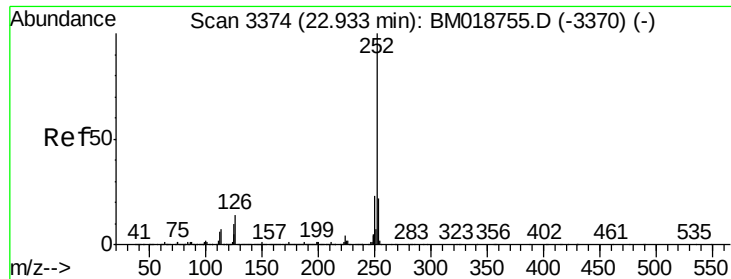


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 10.827 ng

RT: 22.96 min Scan# 3378

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

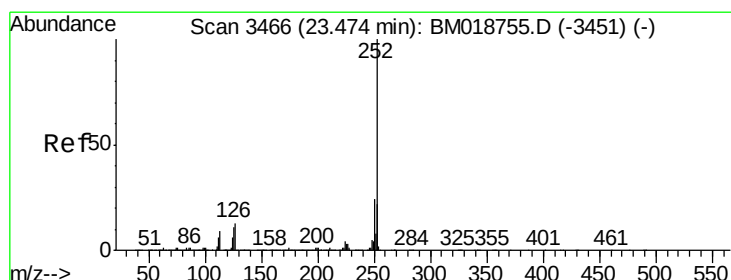
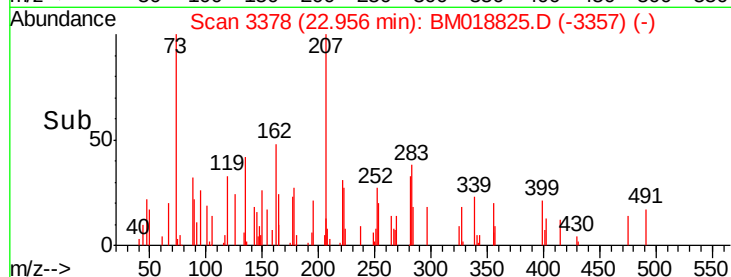
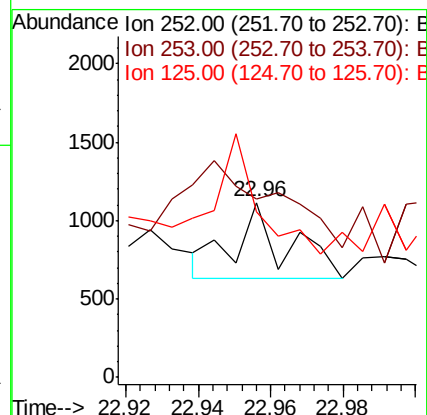
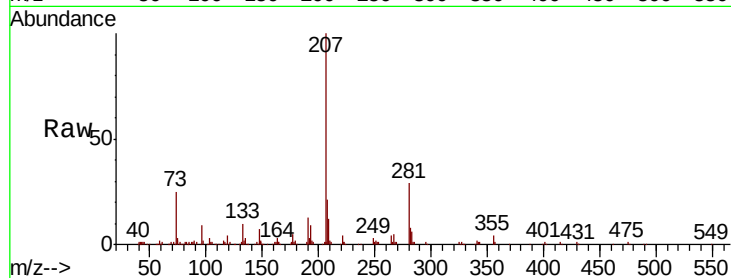
Tot Ion:252 Resp: 494

Ion Ratio Lower Upper

252 100

253 102.3 17.7 26.5#

125 95.1 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 20.247 ng

RT: 23.49 min Scan# 3469

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

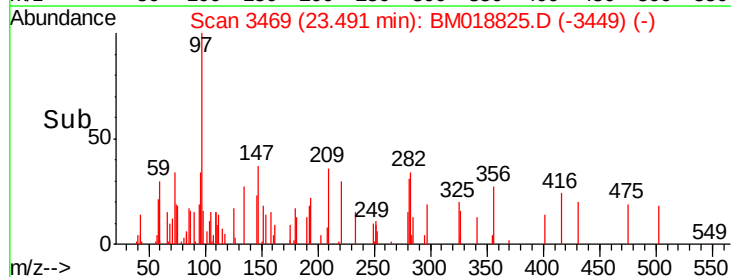
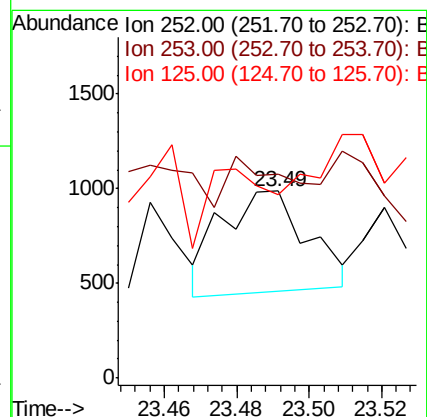
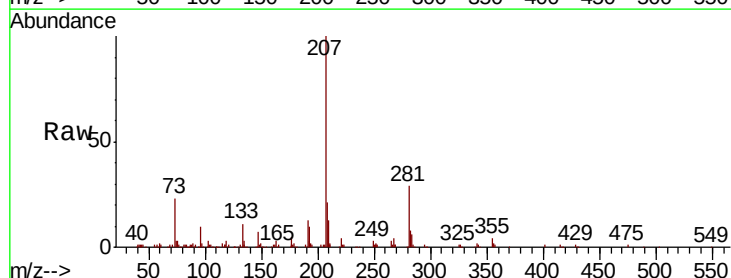
Tgt Ion:252 Resp: 879

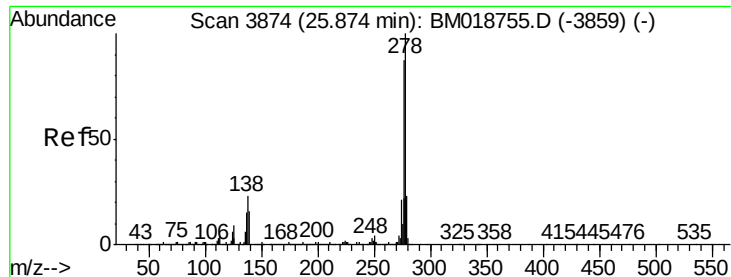
Ion Ratio Lower Upper

252 100

253 109.3 17.4 26.0#

125 98.3 8.6 13.0#





#91

Dibenzo(a,h)anthracene

Concen: 4.231 ng

RT: 25.89 min Scan# 3877

Delta R.T. 0.02 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

Instrument :

BNA_M

ClientSampleId :

M-3-S

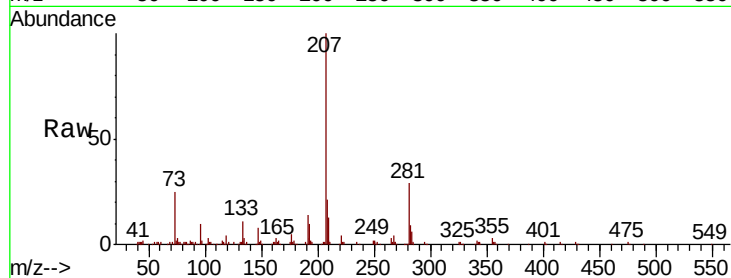
Tot Ion:278 Resp: 182

Ion Ratio Lower Upper

278 100

139 0.0 12.6 18.8#

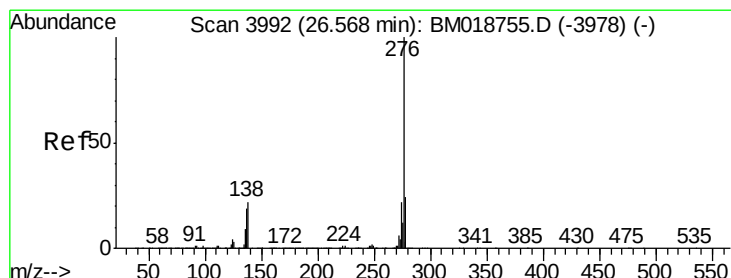
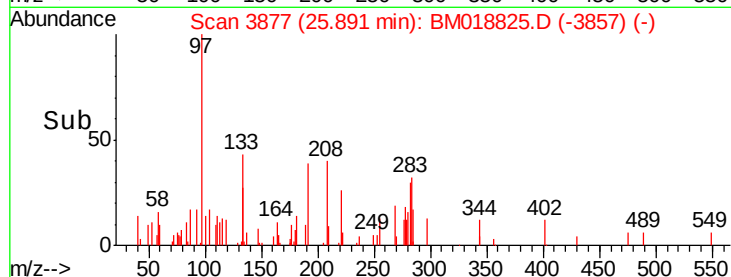
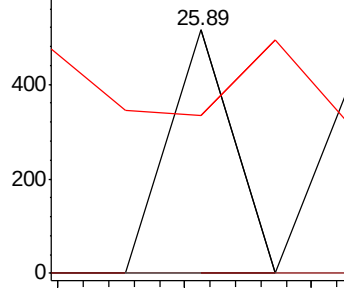
279 64.9 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.947 ng

RT: 26.60 min Scan# 3998

Delta R.T. 0.04 min

Lab File: BM018825.D

Acq: 15 Feb 2019 20:07

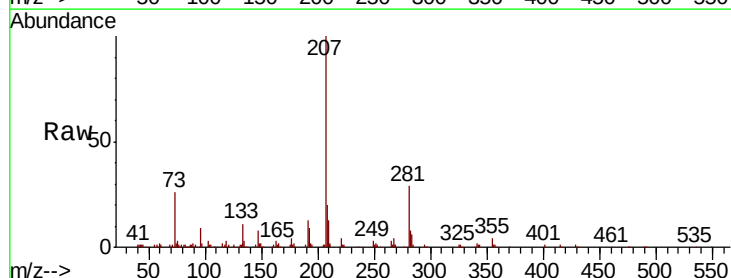
Tgt Ion:276 Resp: 118

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 0.0 17.3 25.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

