

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
 Data File : BM018925.D
 Acq On : 25 Feb 2019 22:11
 Operator : JU/SJ
 Sample : K1348-03RE 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-ARE

Quant Time: Feb 26 00:03:33 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

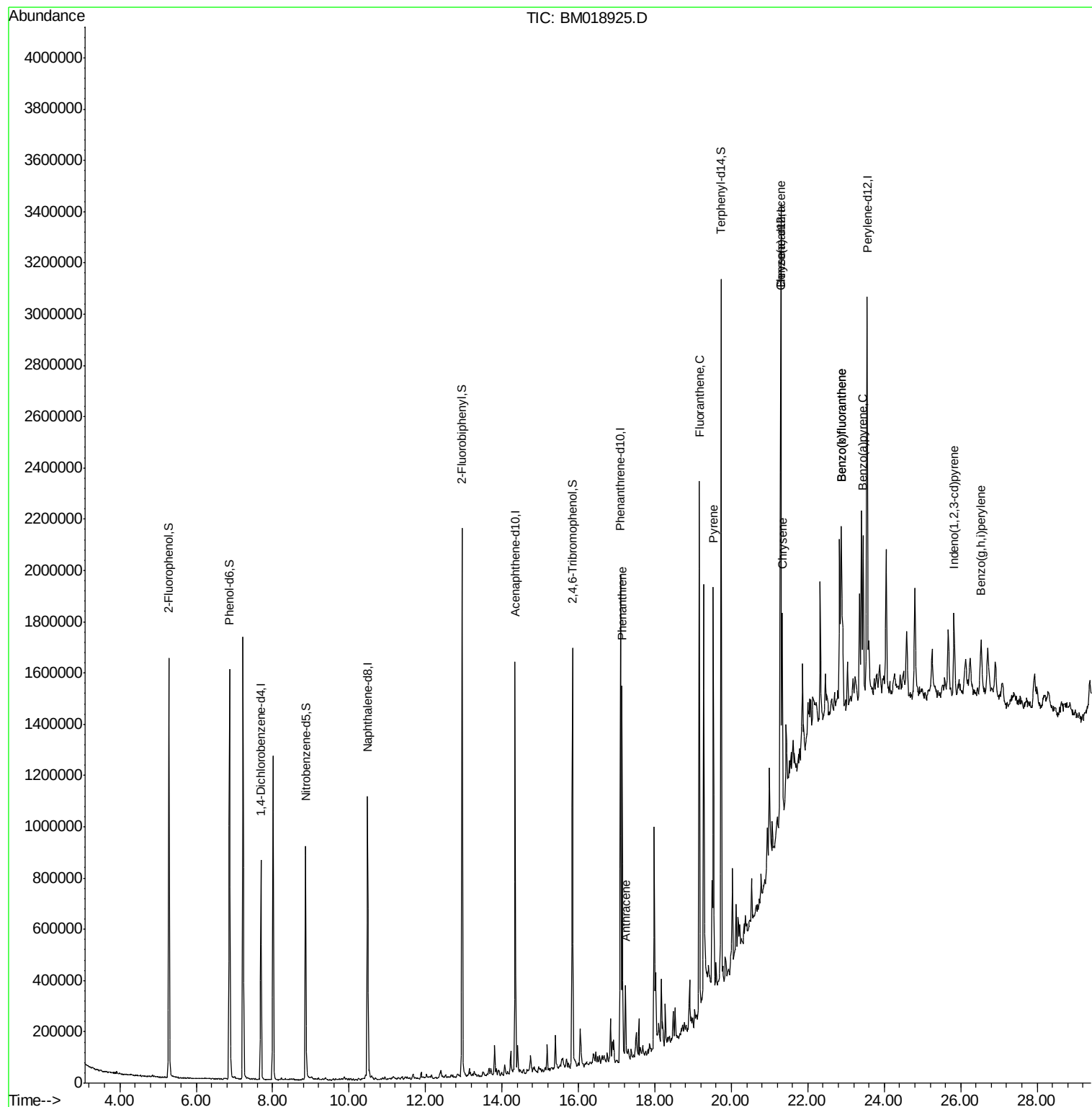
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	221225	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	896084	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	489842	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1014799	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	917385	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1073557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	678703	50.27	ng	-0.02
7) Phenol-d6	6.87	99	935791	49.20	ng	-0.02
23) Nitrobenzene-d5	8.86	82	601799	31.05	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	291417	41.27	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1042664	28.26	ng	-0.02
79) Terphenyl-d14	19.73	244	1191779	26.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.86	77	2025	Below Cal		Qvalue # 17
71) Phenanthrene	17.14	178	799502	14.660	ng	100
72) Anthracene	17.23	178	165837	3.124	ng	100
75) Fluoranthene	19.16	202	1141577	18.121	ng	98
78) Pyrene	19.53	202	904350	16.973	ng	99
81) Benzo(a)anthracene	21.28	228	484573	9.061	ng	98
83) Chrysene	21.33	228	407004	7.941	ng	96
86) Indeno(1,2,3-cd)pyrene	25.83	276	287101	4.852	ng	97
88) Benzo(b)fluoranthene	22.87	252	783055	12.749	ng	# 95
89) Benzo(k)fluoranthene	22.87	252	782180	12.791	ng	# 95
90) Benzo(a)pyrene	23.45	252	421631	7.246	ng	# 93
92) Benzo(g,h,i)perylene	26.53	276	272816	5.083	ng	96

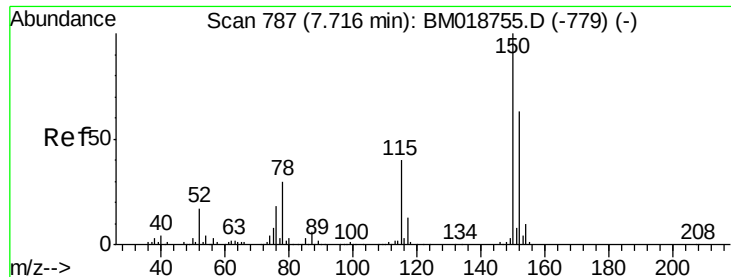
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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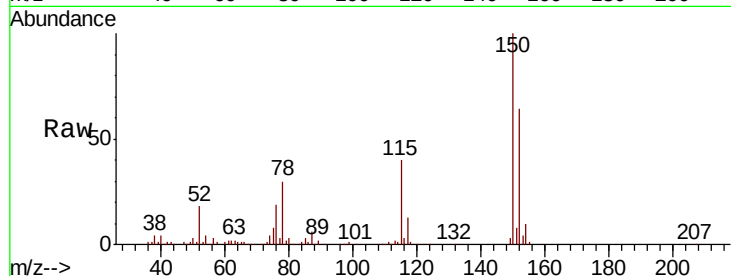


#1

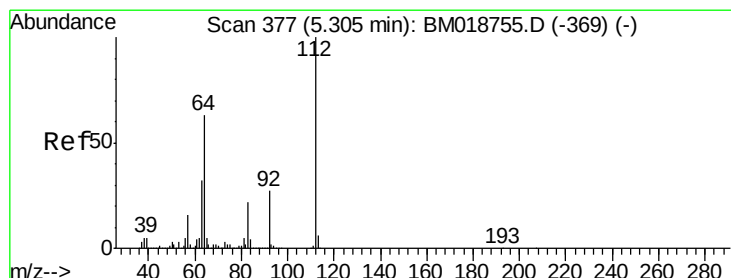
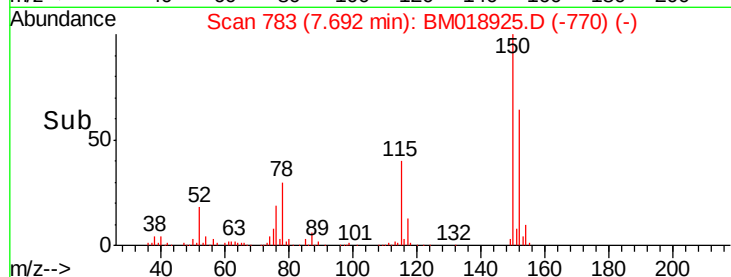
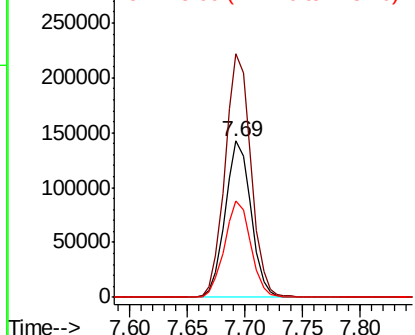
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-ARE

Tgt Ion:152 Resp: 221225
Ion Ratio Lower Upper
152 100
150 156.0 127.3 190.9
115 61.8 50.8 76.2



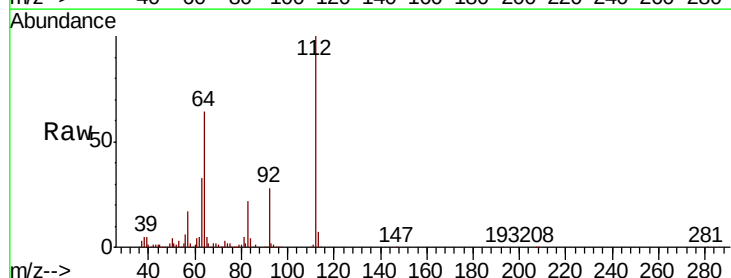
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



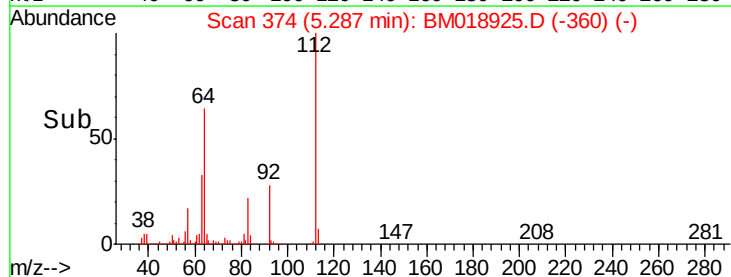
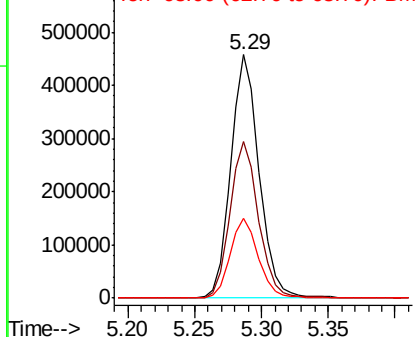
#5

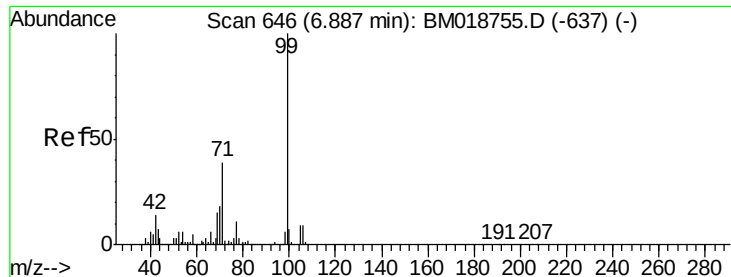
2-Fluorophenol
Concen: 50.267 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018925.D
Acq: 25 Feb 2019 22:11

Tgt Ion:112 Resp: 678703
Ion Ratio Lower Upper
112 100
64 64.0 50.6 75.8
63 32.5 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: 49.198 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

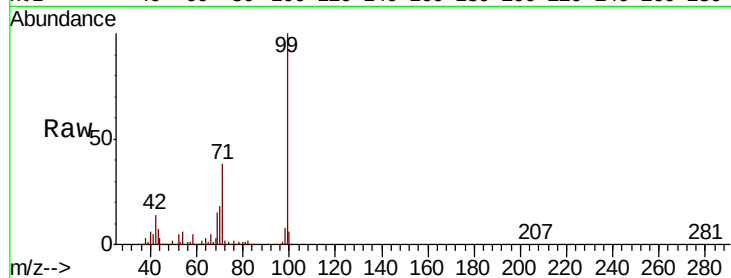
Tgt Ion: 99 Resp: 935791

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

71 38.0 31.3 46.9

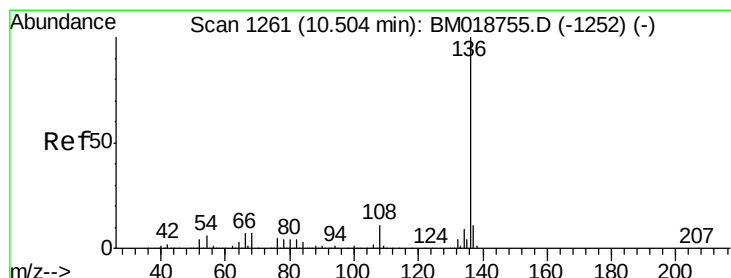
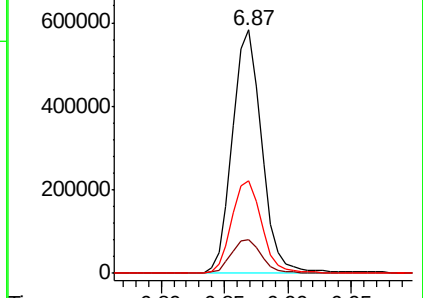
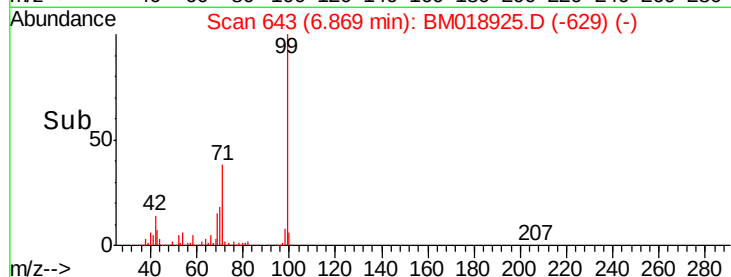


Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Tgt Ion: 136 Resp: 896084

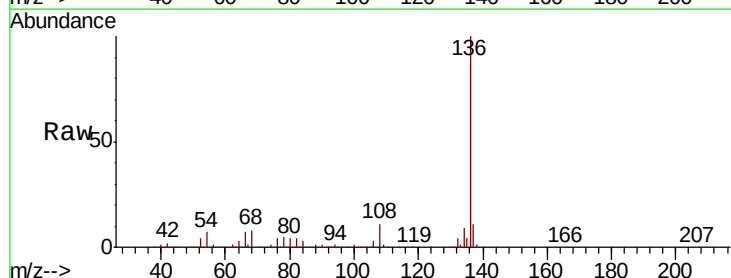
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.6 5.0 7.6

68 7.8 5.5 8.3



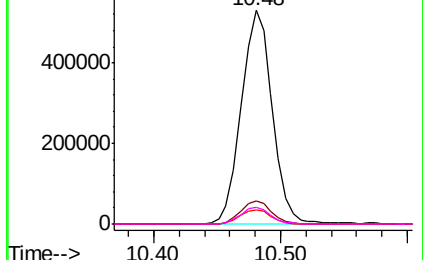
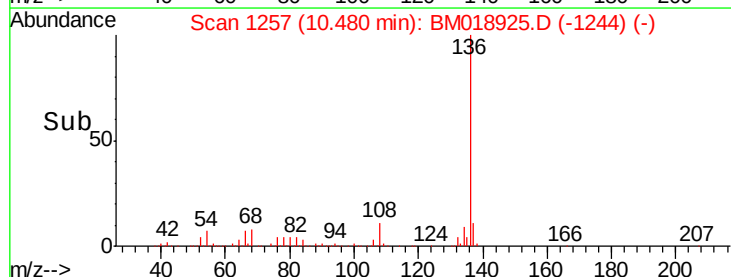
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

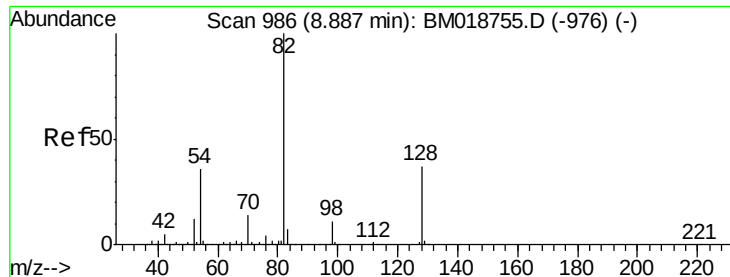
Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

Time-->

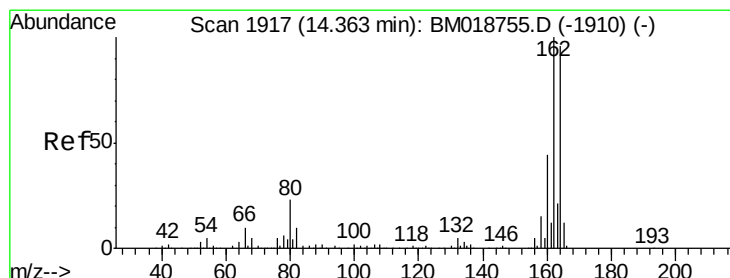
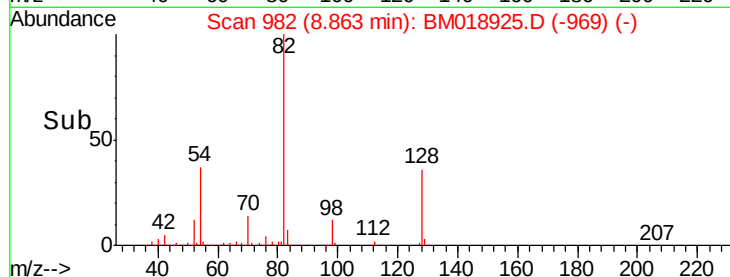
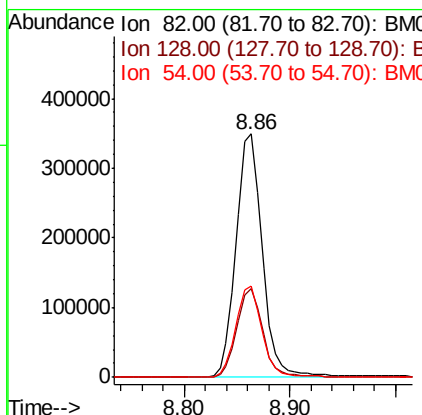
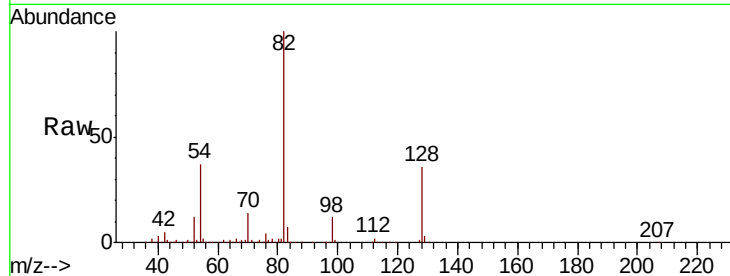




#23
 Nitrobenzene-d5
 Concen: 31.053 ng
 RT: 8.86 min Scan# 982
 Delta R.T. -0.02 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

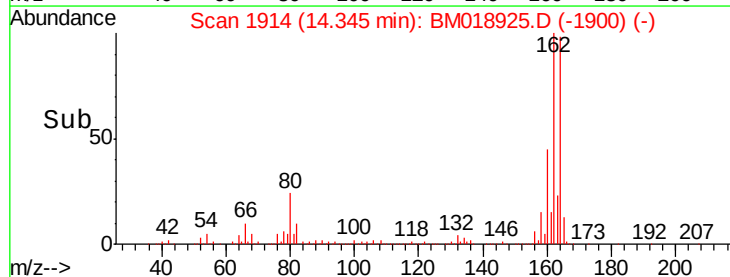
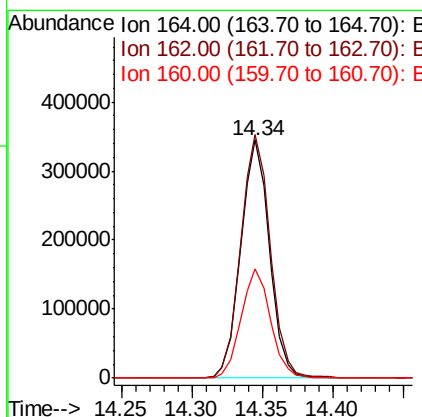
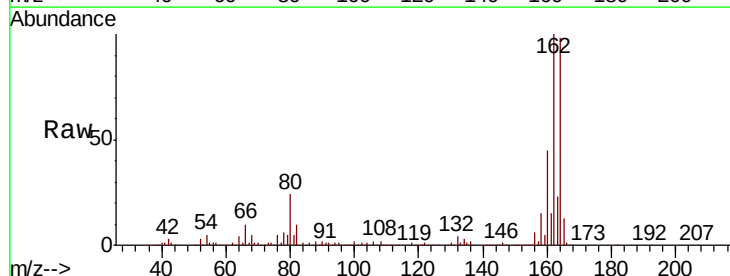
Instrument :
 BNA_M
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 OK-03-022219-ARE

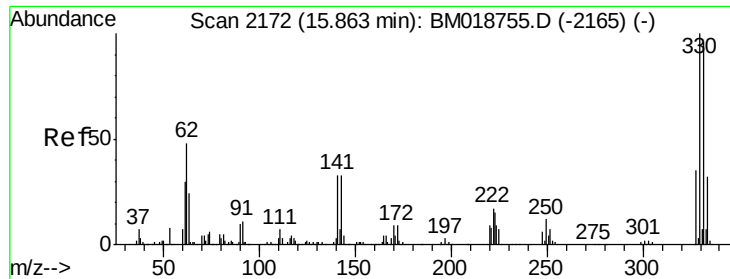
Tgt Ion:	82	Resp:	601799
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.9	44.9
54	37.3	29.1	43.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.34 min Scan# 1914
 Delta R.T. -0.02 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

Tgt Ion:	164	Resp:	489842
Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.4	125.0
160	46.1	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 41.272 ng

RT: 15.84 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

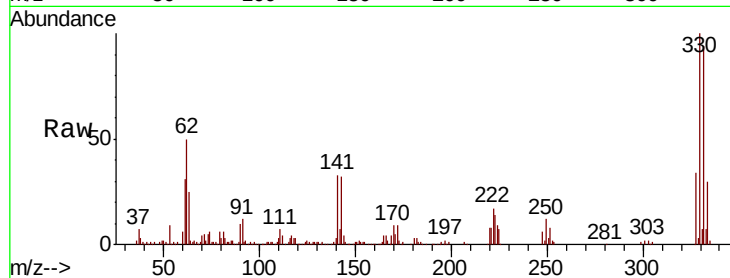
Tgt Ion:330 Resp: 291417

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

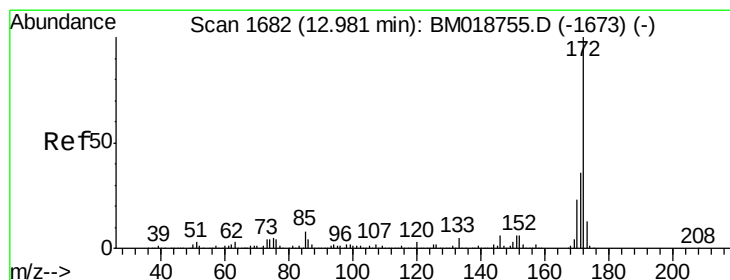
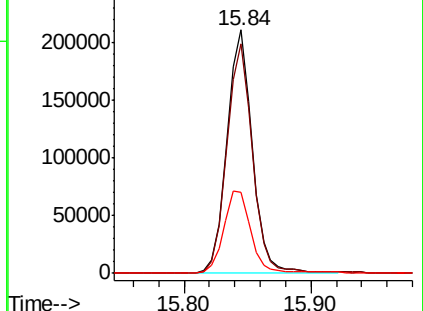
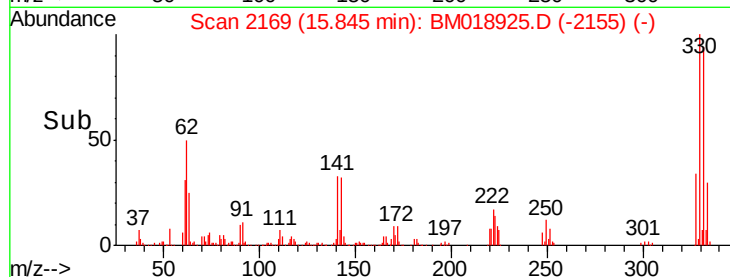
141 35.8 28.7 43.1



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: 28.256 ng

RT: 12.96 min Scan# 1678

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

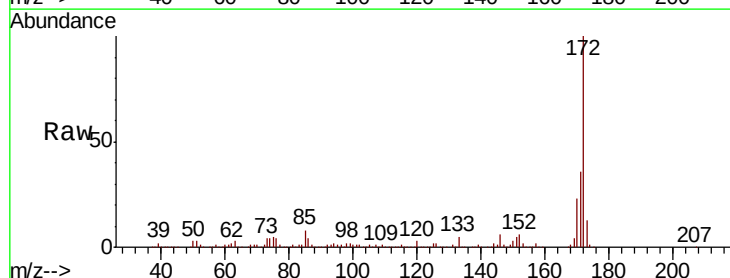
Tgt Ion:172 Resp: 1042664

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

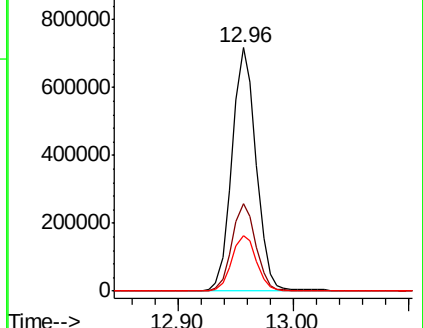
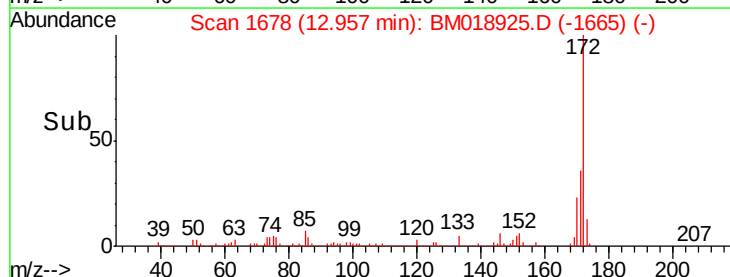
170 23.0 18.6 28.0

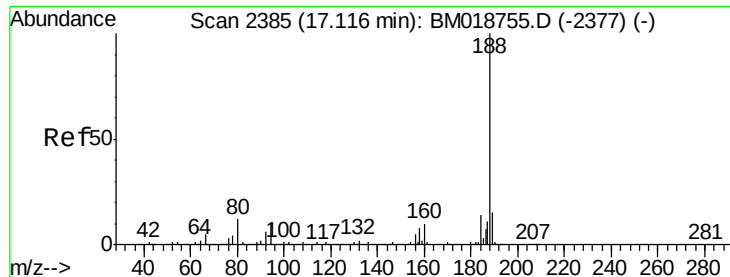


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

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ClientSampleId :

OK-03-022219-ARE

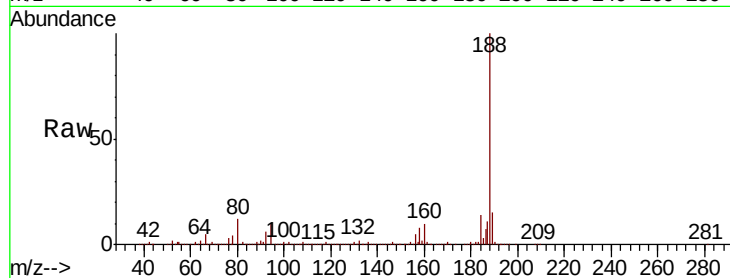
Tgt Ion:188 Resp: 1014799

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

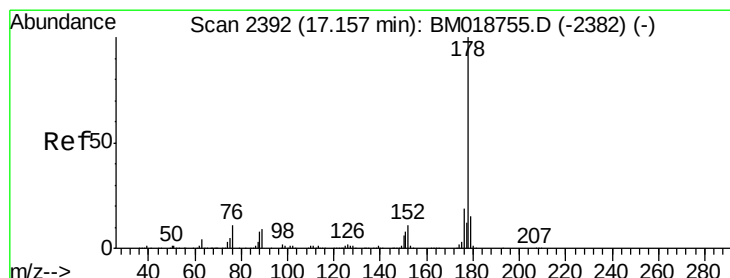
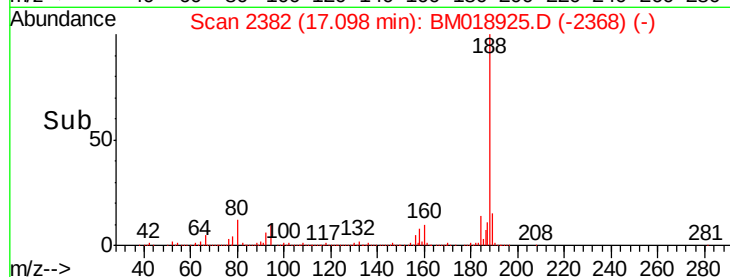
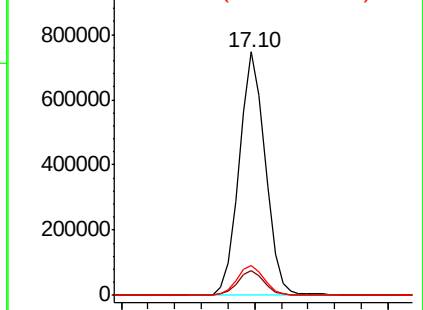
80 12.1 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 14.660 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

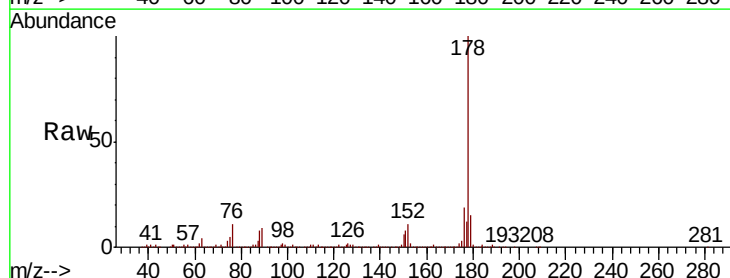
Tgt Ion:178 Resp: 799502

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

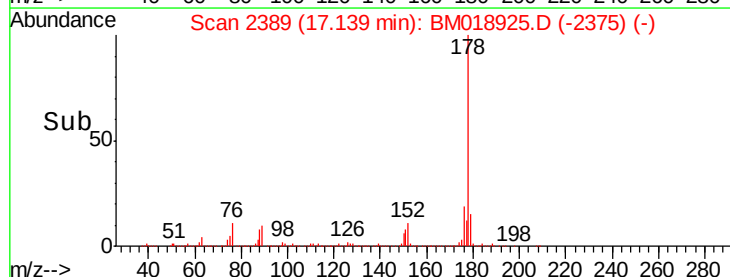
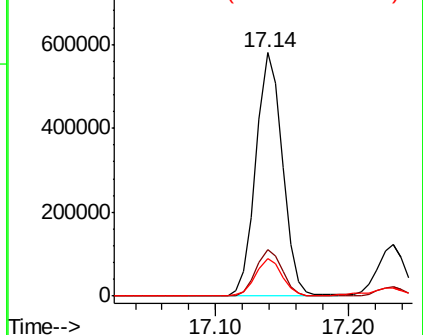
179 15.2 12.3 18.5

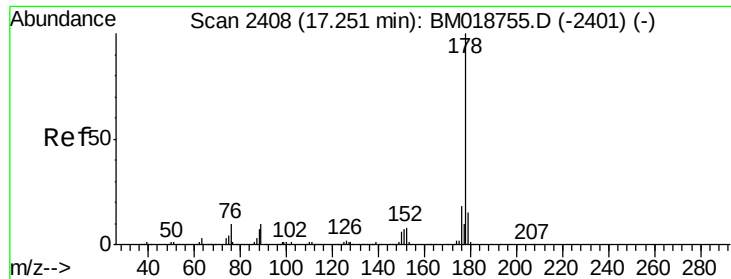


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.124 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

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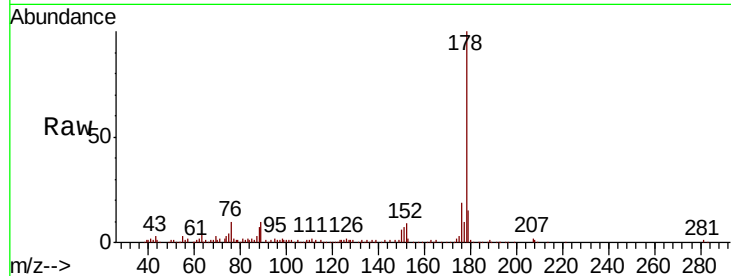
Tgt Ion:178 Resp: 165837

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

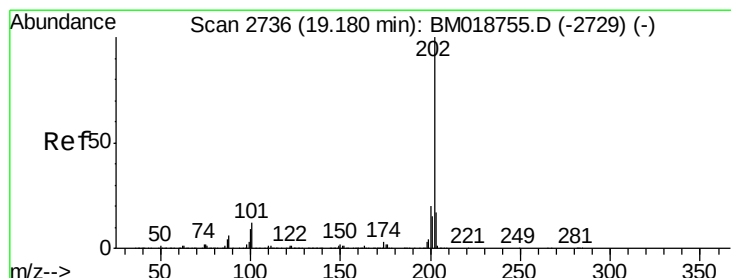
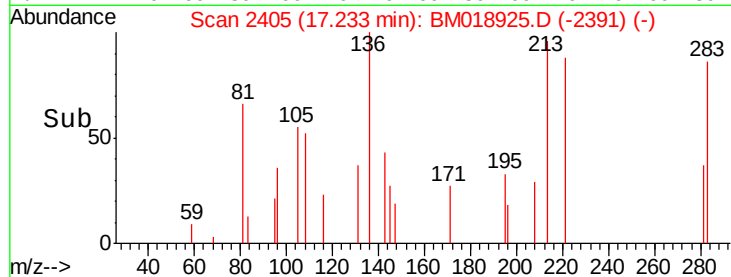
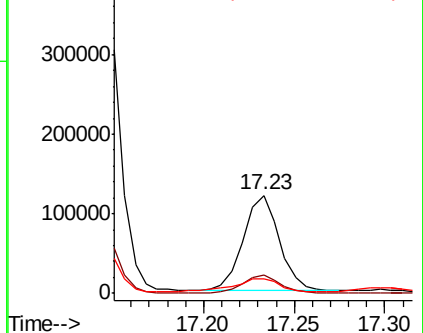
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 18.121 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

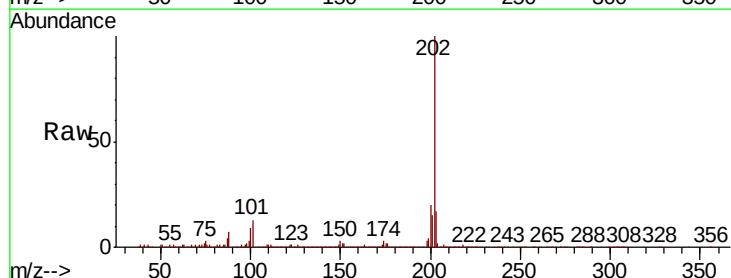
Tgt Ion:202 Resp: 1141577

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.5

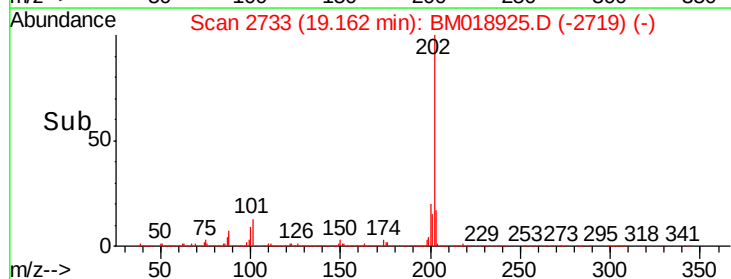
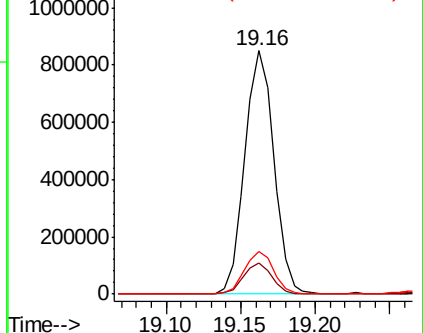
203 17.5 0.0 37.3

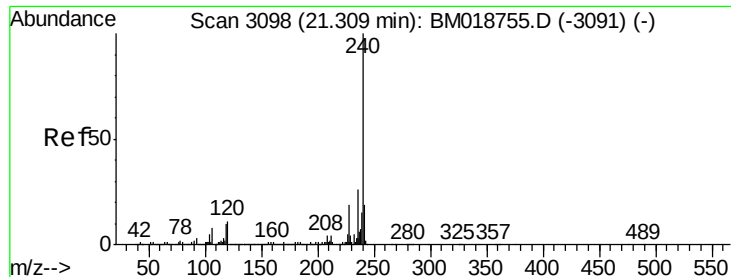


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

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OK-03-022219-ARE

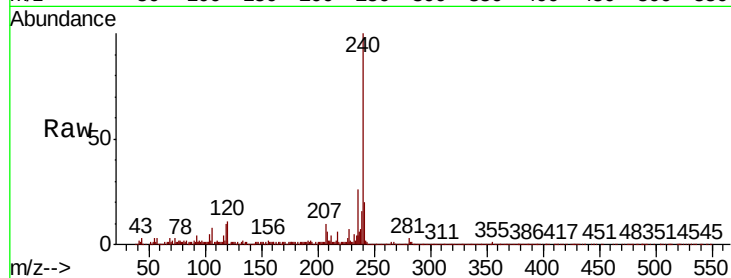
Tgt Ion:240 Resp: 917385

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

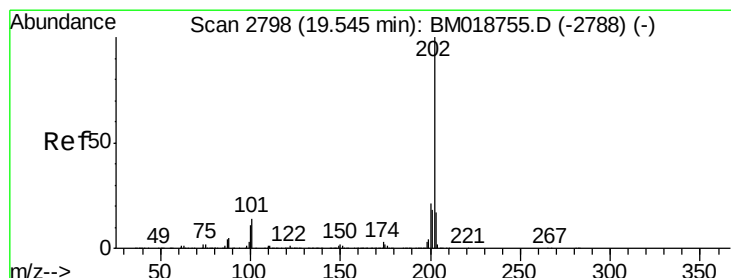
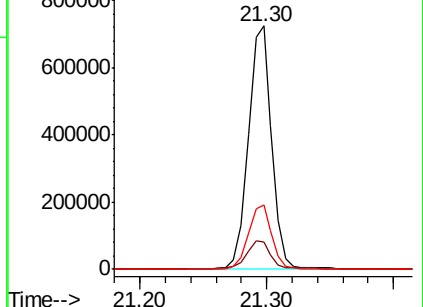
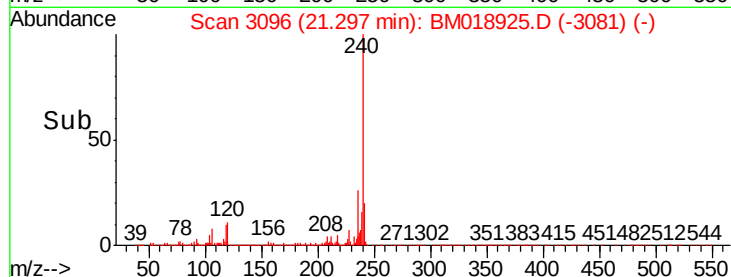
236 26.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 16.973 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

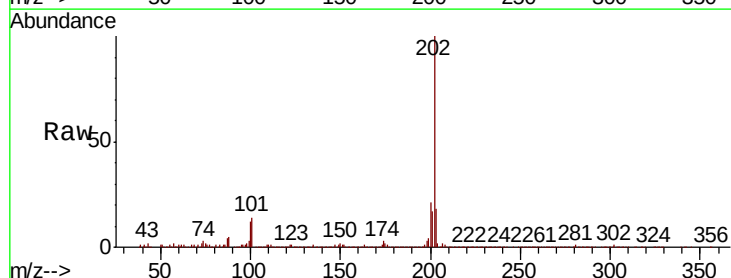
Tgt Ion:202 Resp: 904350

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

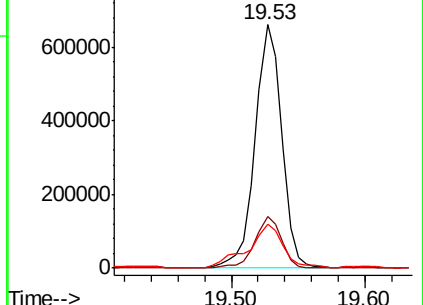
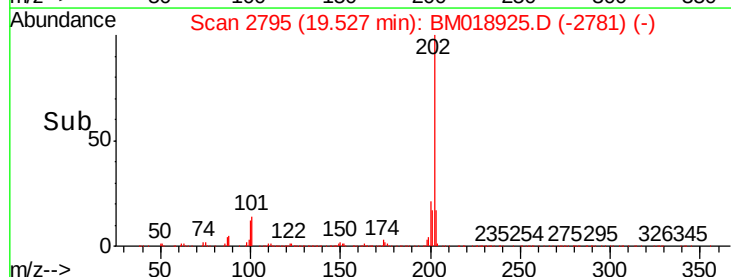
203 17.9 13.8 20.8

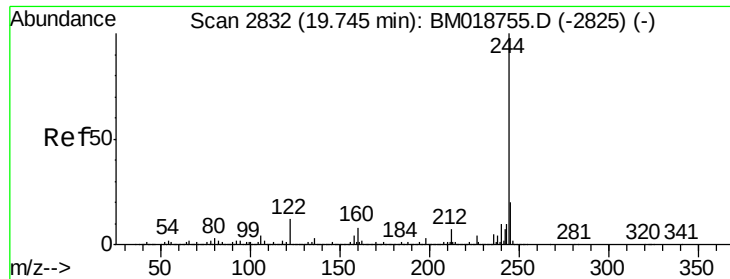


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

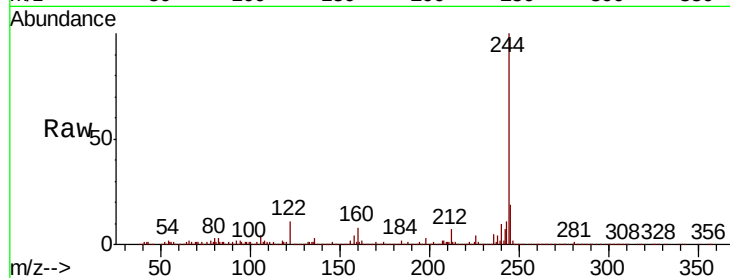




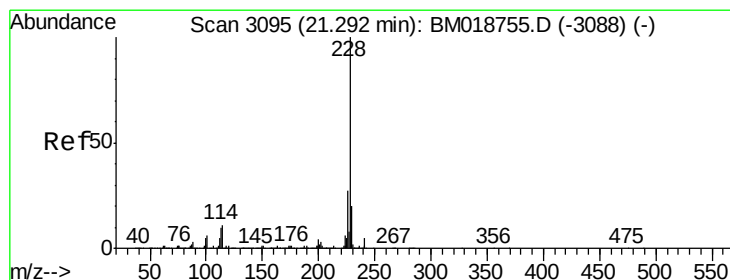
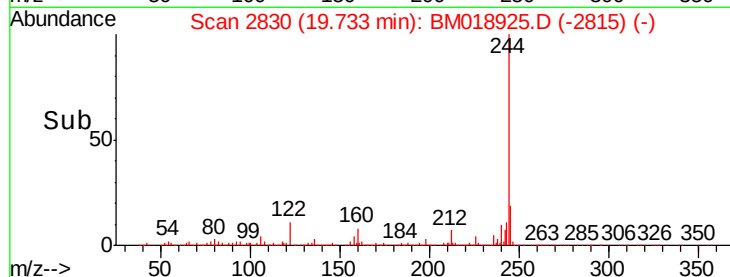
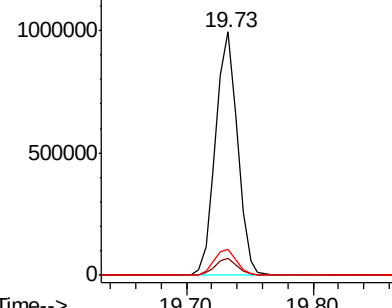
#79
 Terphenyl-d14
 Concen: 26.799 ng
 RT: 19.73 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-ARE

Tgt Ion:244 Resp: 1191779
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.8 9.3 13.9

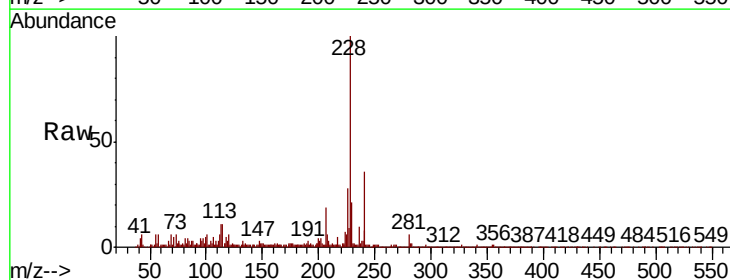


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

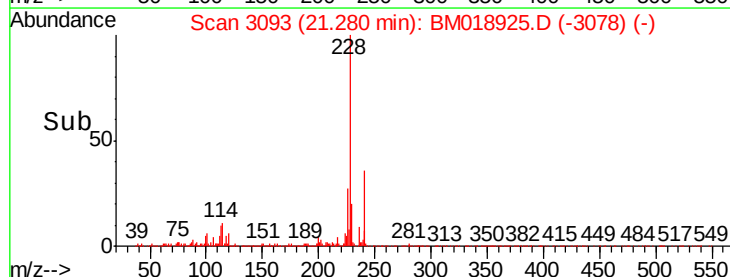
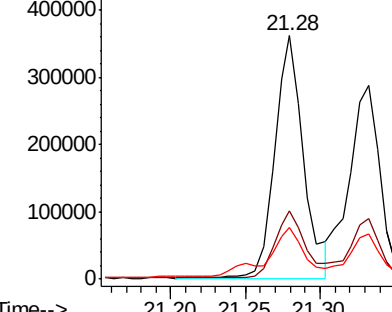


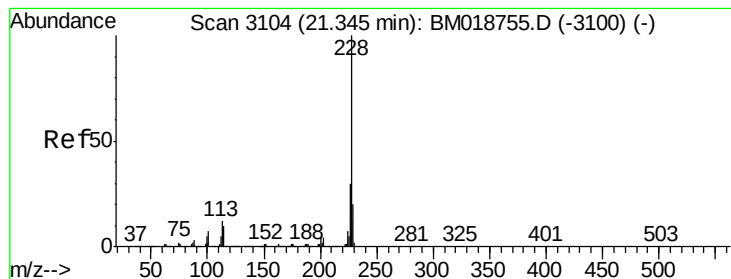
#81
 Benzo(a)anthracene
 Concen: 9.061 ng
 RT: 21.28 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM018925.D
 Acq: 25 Feb 2019 22:11

Tgt Ion:228 Resp: 484573
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.9 32.9
 229 21.2 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





#83

Chrysene

Concen: 7.941 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

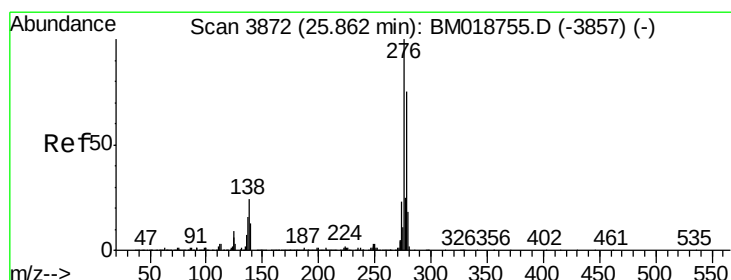
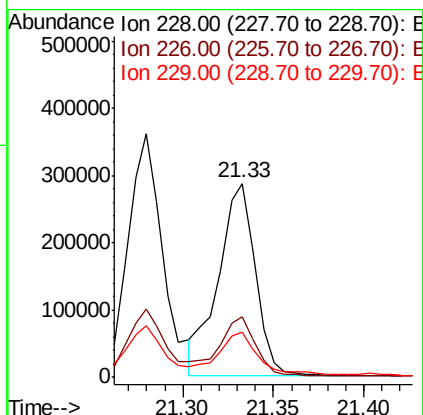
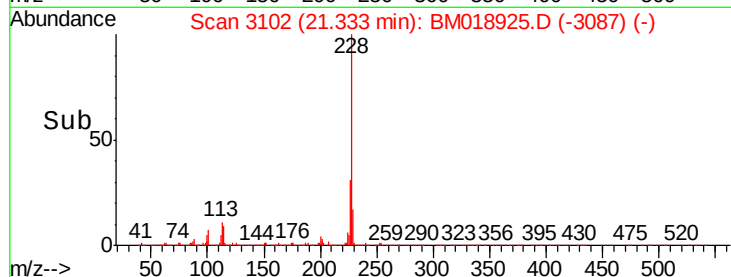
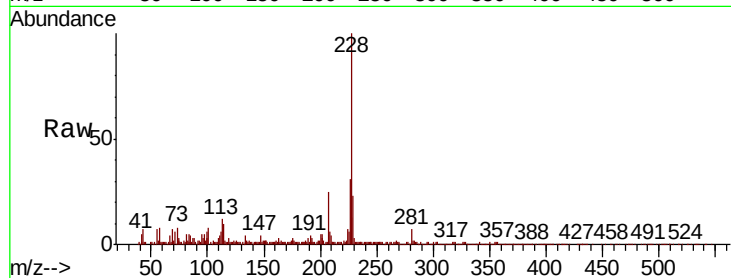
Tgt Ion:228 Resp: 407004

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 23.1 16.0 24.0



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.852 ng

RT: 25.83 min Scan# 3866

Delta R.T. -0.04 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

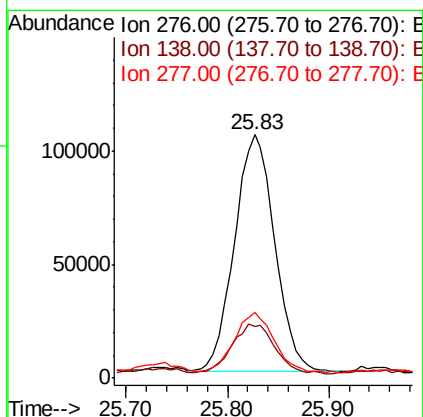
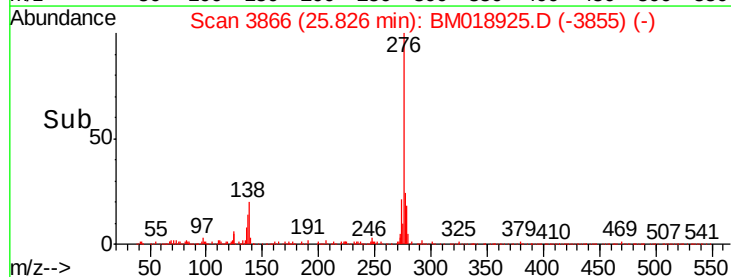
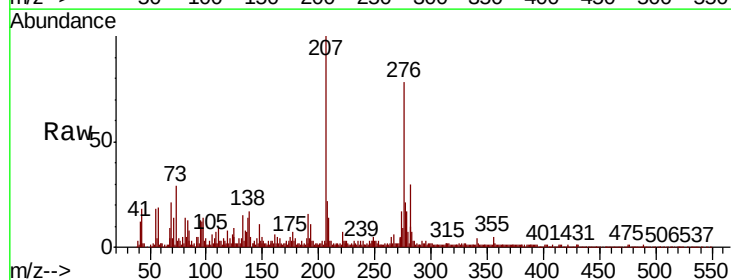
Tgt Ion:276 Resp: 287101

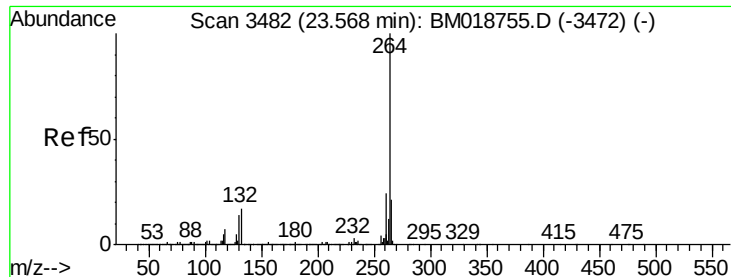
Ion Ratio Lower Upper

276 100

138 22.1 20.2 30.4

277 25.2 20.3 30.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.55 min Scan# 3479

Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

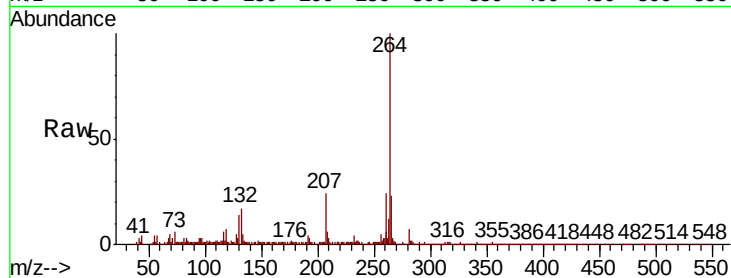
Tgt Ion:264 Resp: 1073557

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

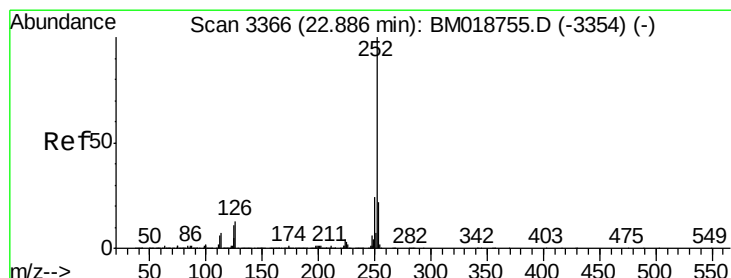
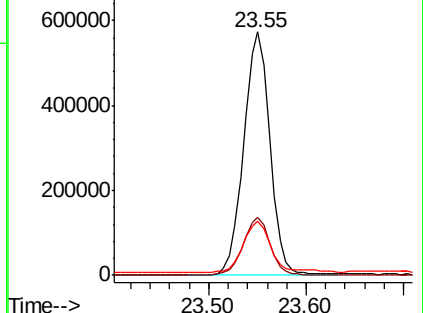
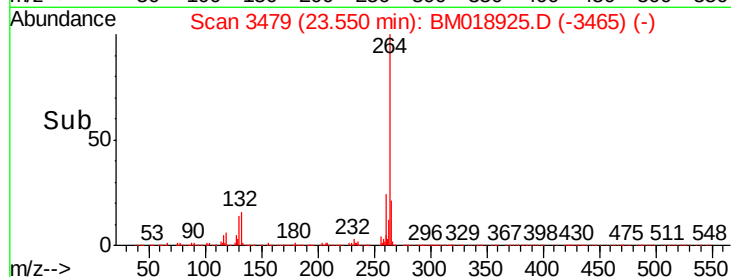
265 22.5 17.3 25.9



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: 12.749 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

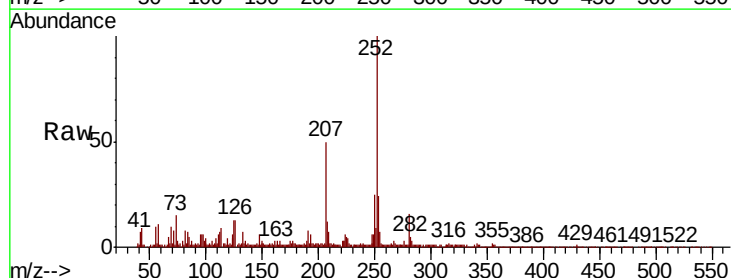
Tgt Ion:252 Resp: 783055

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

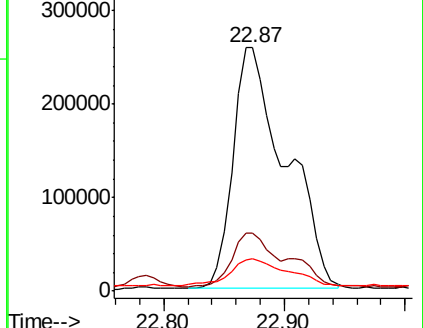
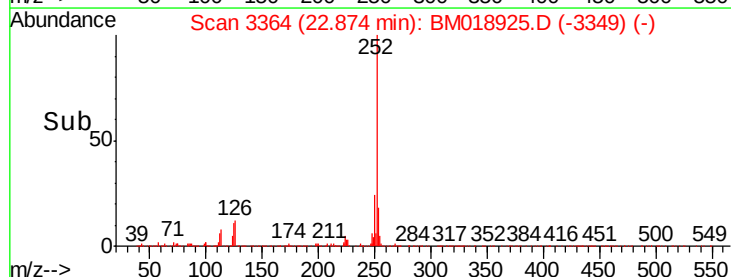
125 13.4 8.6 12.8#

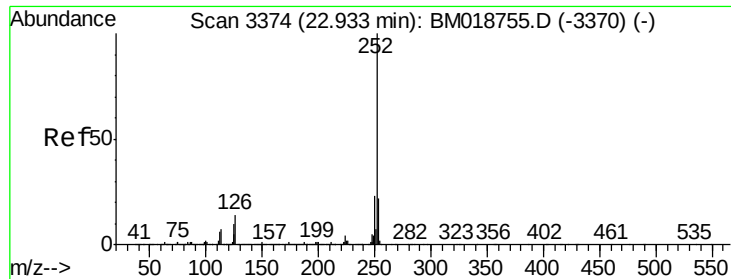


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.791 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.06 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

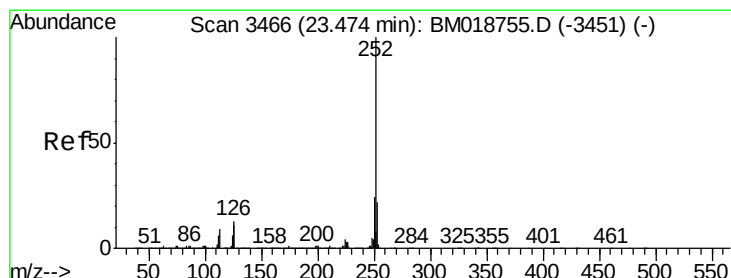
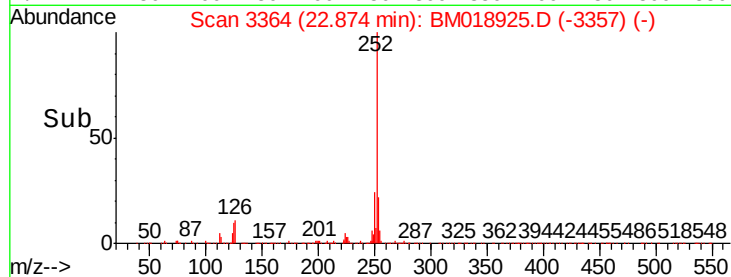
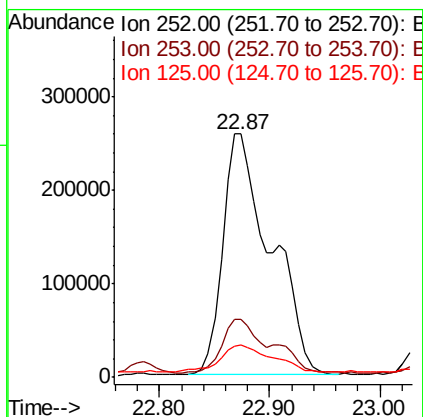
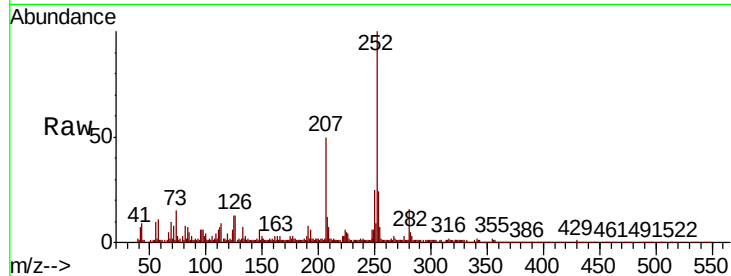
Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

Tgt Ion:	252	Resp:	782180
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	13.4	8.2	12.4#



#90

Benzo(a)pyrene

Concen: 7.246 ng

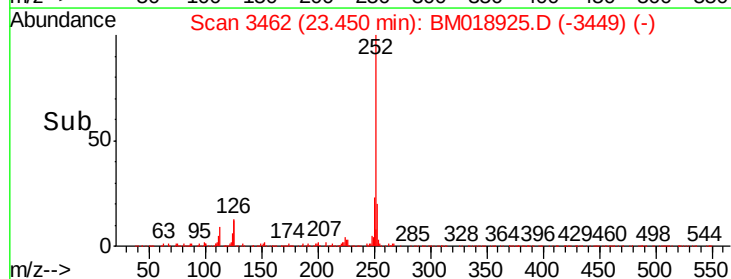
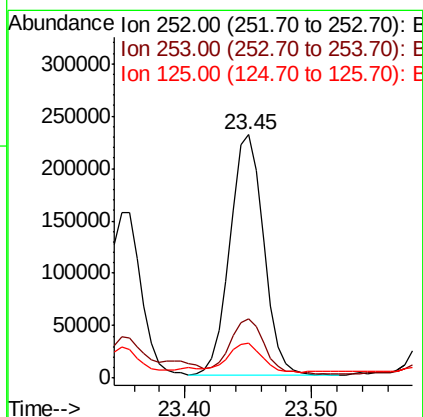
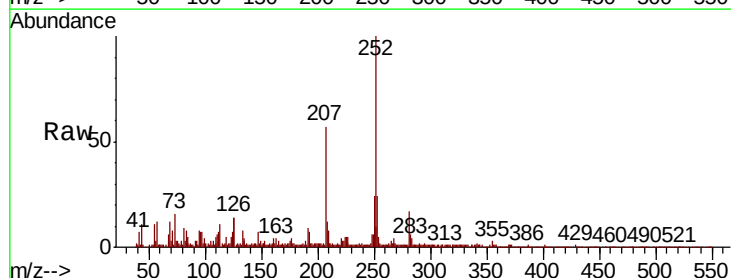
RT: 23.45 min Scan# 3462

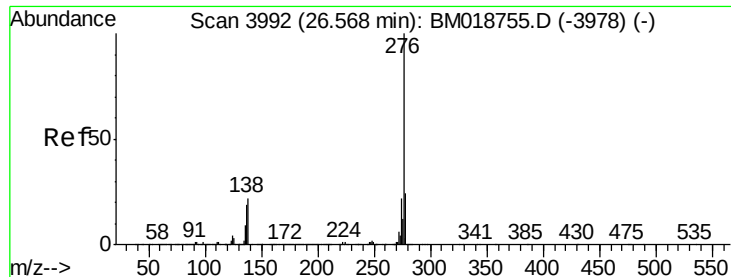
Delta R.T. -0.02 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Tgt Ion:	252	Resp:	421631
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.0
125	14.2	8.6	13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.083 ng

RT: 26.53 min Scan# 3986

Delta R.T. -0.04 min

Lab File: BM018925.D

Acq: 25 Feb 2019 22:11

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-ARE

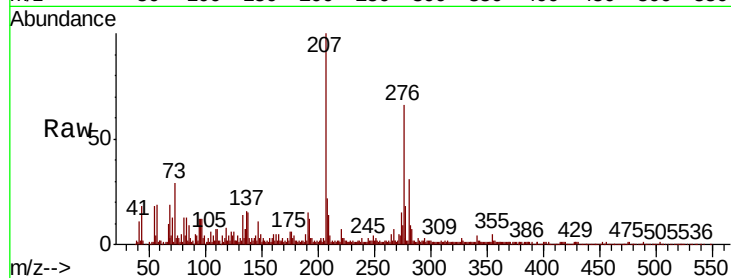
Tgt Ion: 276 Resp: 272816

Ion Ratio Lower Upper

276 100

277 26.6 19.2 28.8

138 22.5 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

