

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122018\
 Data File : BM018343.D
 Acq On : 20 Dec 2018 22:59
 Operator : JU/SJ
 Sample : J6388-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1218-01

Quant Time: Dec 21 01:27:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	152996	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	585441	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	302875	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	539462	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	554916	20.00	ng	0.00
87) Perylene-d12	23.31	264	599950	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	1093371	119.38	ng	0.00
7) Phenol-d6	6.70	99	1489623	117.02	ng	0.00
23) Nitrobenzene-d5	8.65	82	965641	84.60	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	394510	88.75	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1667584	71.31	ng	-0.02
79) Terphenyl-d14	19.57	244	1588292	64.73	ng	0.00

Target Compounds

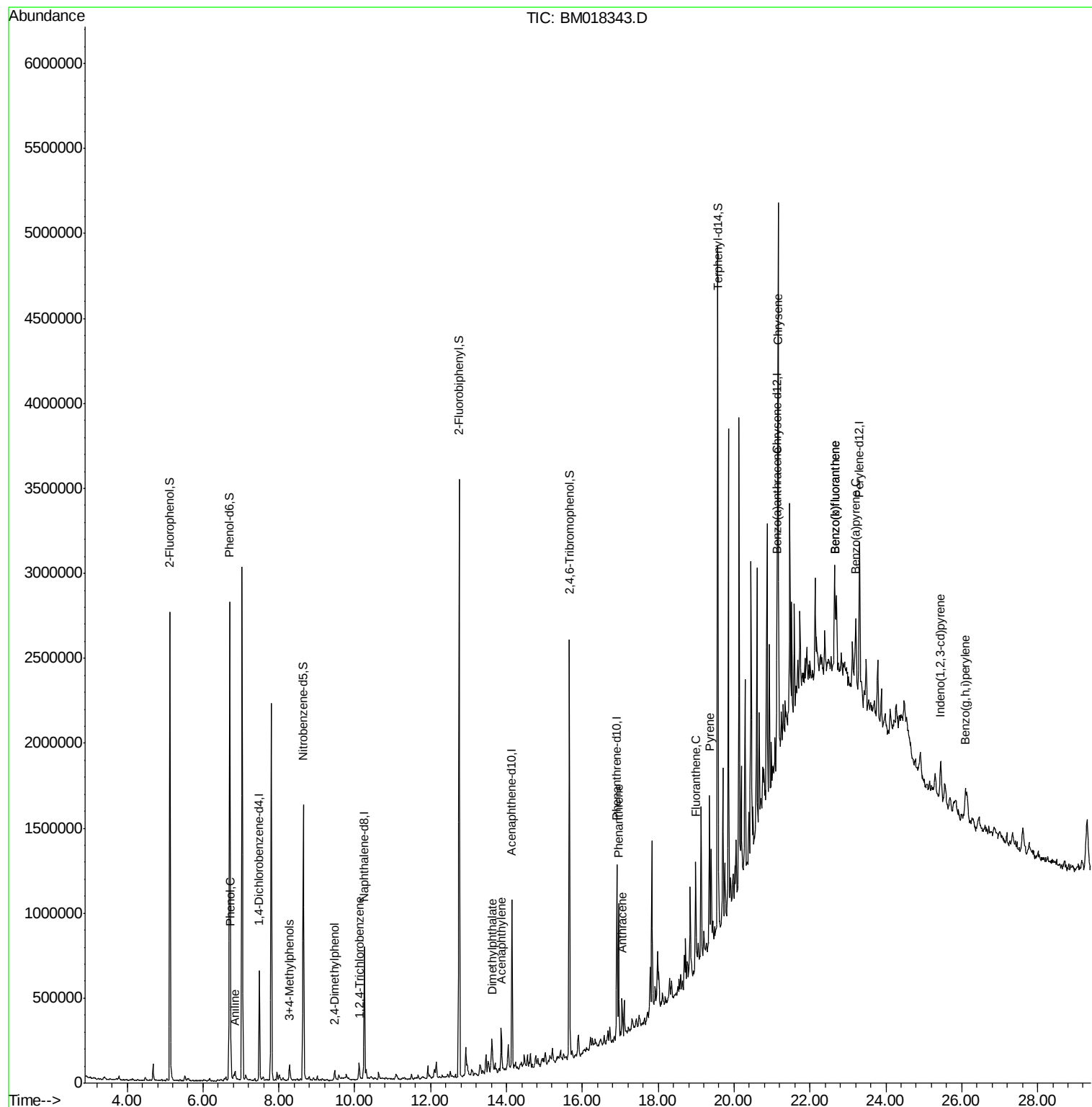
						Qvalue
6) Aniline	6.85	93	37237	2.332	ng	94
10) Phenol	6.73	94	122383	9.078	ng	93
20) 3+4-Methylphenols	8.28	107	45201	3.583	ng	89
27) 2,4-Dimethylphenol	9.47	122	17453	2.165	ng	# 77
30) 1,2,4-Trichlorobenzene	10.12	180	27539	2.709	ng	95
49) Acenaphthylene	13.87	152	163583	5.413	ng	98
50) Dimethylphthalate	13.62	163	92227	3.663	ng	99
71) Phenanthrene	16.96	178	431806	14.736	ng	99
72) Anthracene	17.04	178	138009	4.747	ng	96
75) Fluoranthene	18.99	202	319596	9.381	ng	99
78) Pyrene	19.36	202	539800	16.326	ng	99
81) Benzo(a)anthracene	21.12	228	220116	6.790	ng	# 89
83) Chrysene	21.17	228	234526	7.522	ng	# 94
86) Indeno(1,2,3-cd)pyrene	25.44	276	128684	4.143	ng	# 94
88) Benzo(b)fluoranthene	22.67	252	280496	8.323	ng	# 84
89) Benzo(k)fluoranthene	22.67	252	278491	8.298	ng	# 83
90) Benzo(a)pyrene	23.21	252	227478	7.097	ng	# 89
92) Benzo(g,h,i)perylene	26.11	276	186783	6.655	ng	97

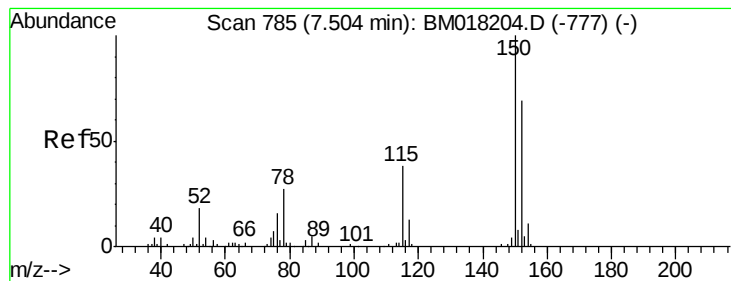
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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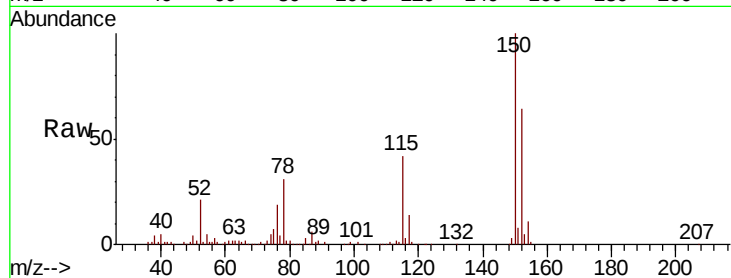


#1

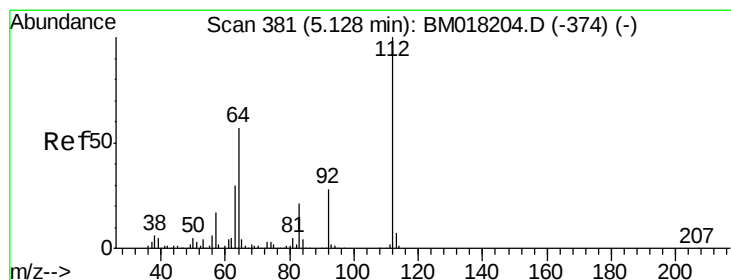
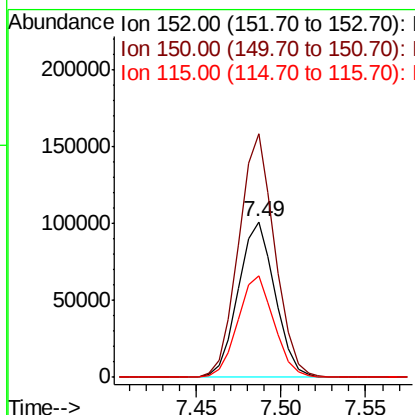
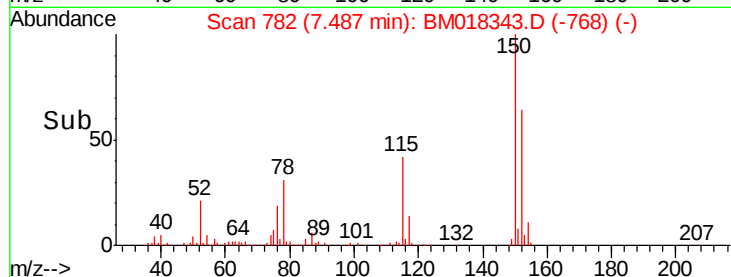
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tgt Ion:152 Resp: 152996
Ion Ratio Lower Upper
152 100
150 156.4 116.1 174.1
115 65.5 44.6 67.0



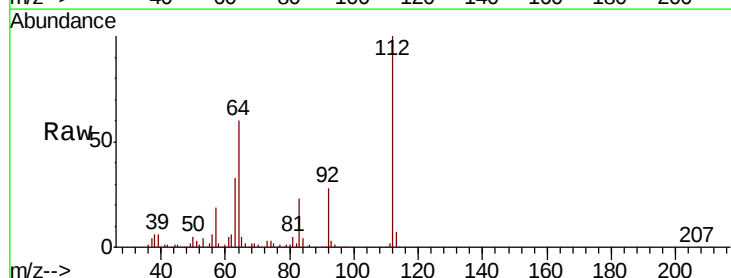
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



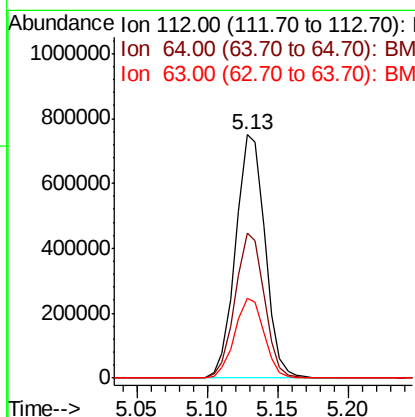
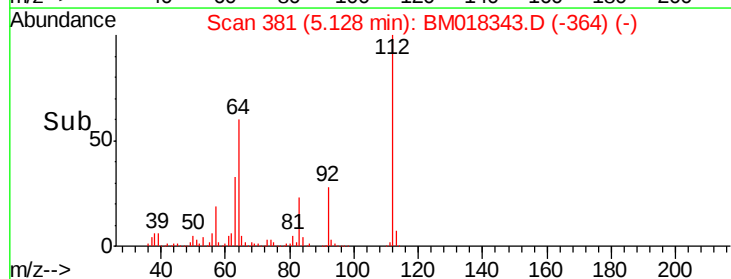
#5

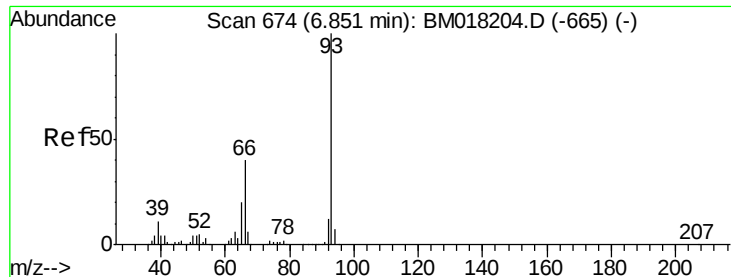
2-Fluorophenol
Concen: 119.380 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion:112 Resp: 1093371
Ion Ratio Lower Upper
112 100
64 59.8 45.4 68.2
63 32.9 24.0 36.0



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





#6

Aniline

Concen: 2.332 ng

RT: 6.85 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

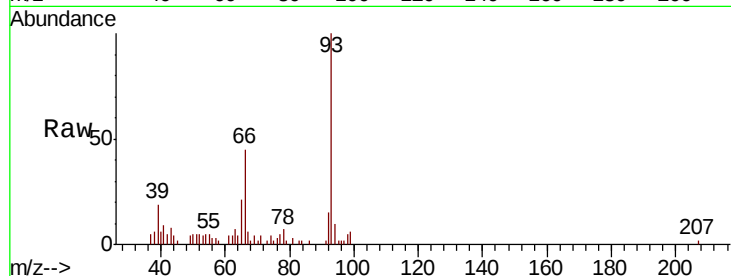
Tgt Ion: 93 Resp: 37237

Ion Ratio Lower Upper

93 100

66 45.3 32.3 48.5

65 21.4 16.2 24.4

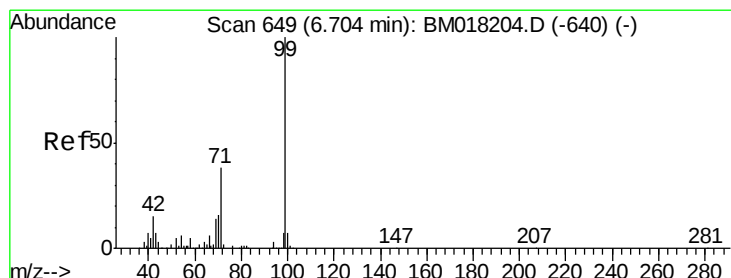
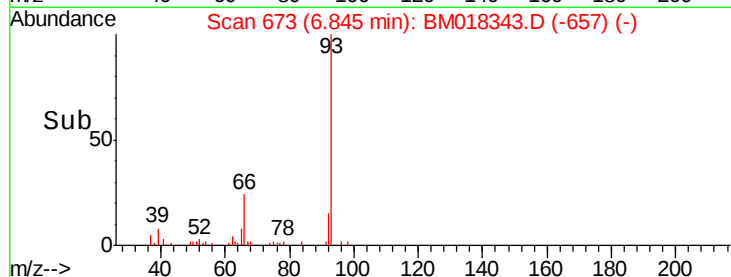
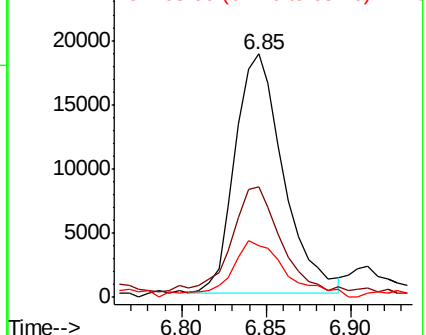


Abundance

Ion 93.00 (92.70 to 93.70): BM018204.D (-665) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-665) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-665) (-)



#7

Phenol-d6

Concen: 117.017 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

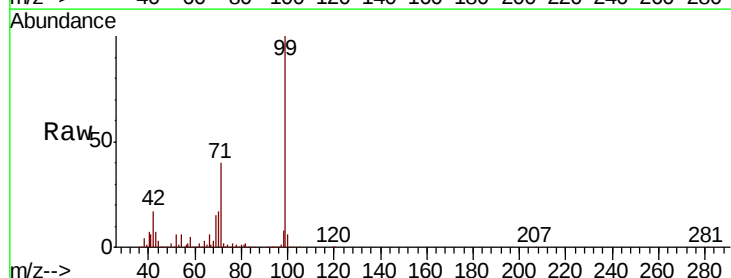
Tgt Ion: 99 Resp: 1489623

Ion Ratio Lower Upper

99 100

42 16.6 12.3 18.5

71 40.1 30.2 45.2

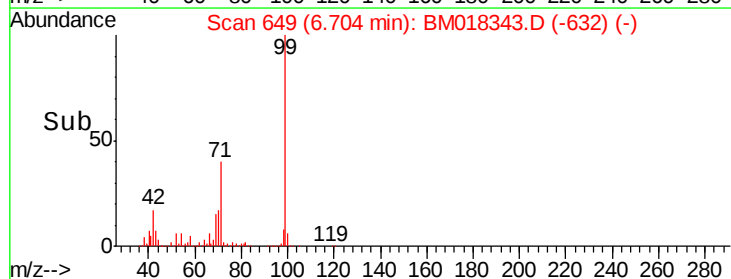
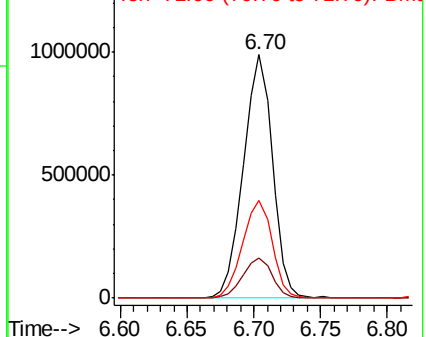


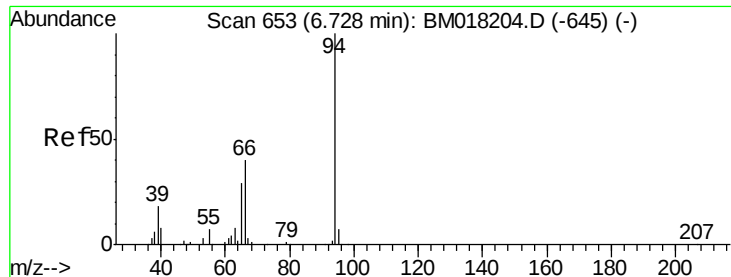
Abundance

Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)





#10

Phenol

Concen: 9.078 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

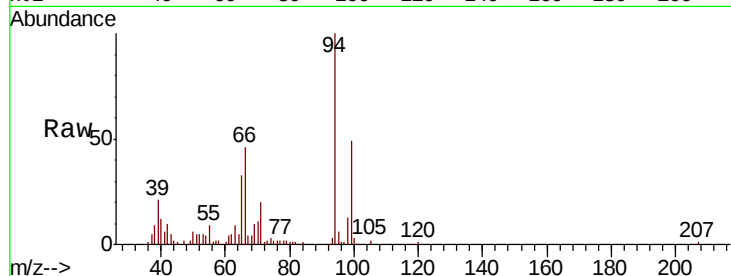
Tgt Ion: 94 Resp: 122383

Ion Ratio Lower Upper

94 100

65 33.0 9.5 49.5

66 45.6 21.3 61.3

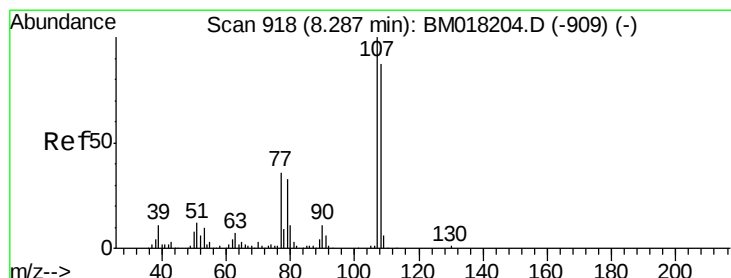
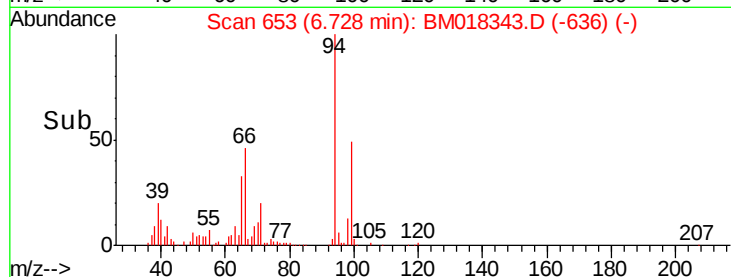
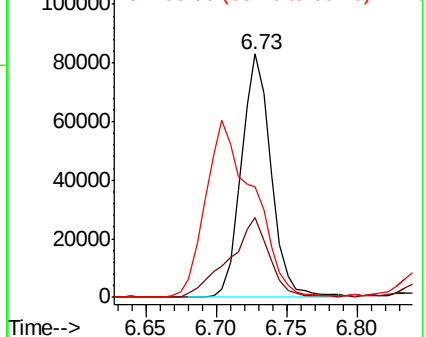


Abundance

Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)



#20

3+4-Methylphenols

Concen: 3.583 ng

RT: 8.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Tgt Ion: 107 Resp: 45201

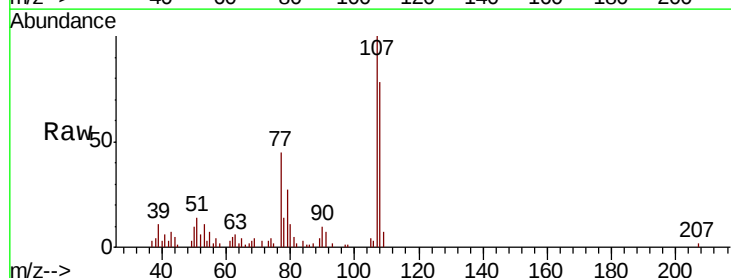
Ion Ratio Lower Upper

107 100

108 78.0 67.4 107.4

77 44.6 15.7 55.7

79 27.3 13.3 53.3



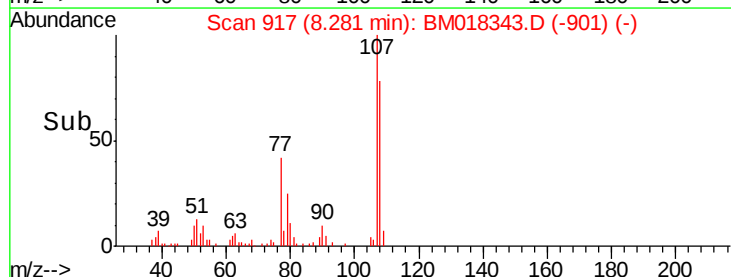
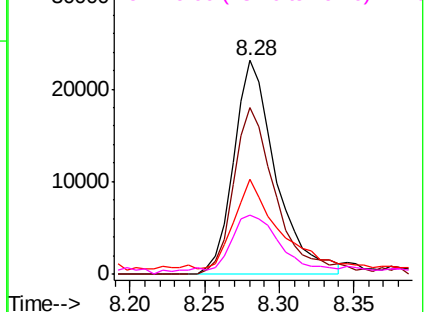
Abundance

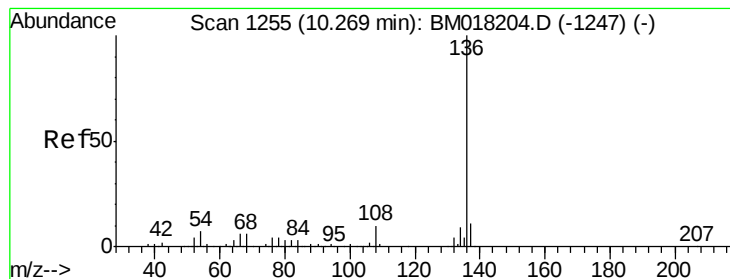
Ion 107.00 (106.70 to 107.70): BM018204.D (-909) (-)

Ion 108.00 (107.70 to 108.70): BM018204.D (-909) (-)

Ion 77.00 (76.70 to 77.70): BM018204.D (-909) (-)

Ion 79.00 (78.70 to 79.70): BM018204.D (-909) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

Tgt Ion:136 Resp: 585441

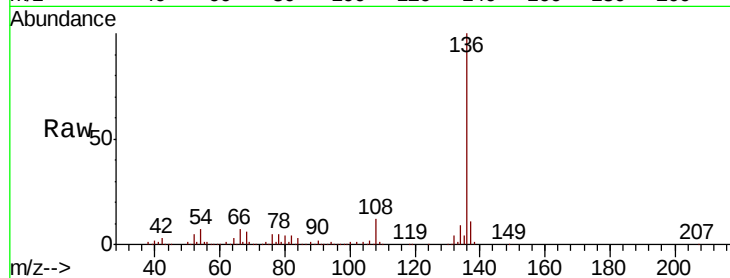
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 6.6 5.2 7.8

68 6.5 5.0 7.6

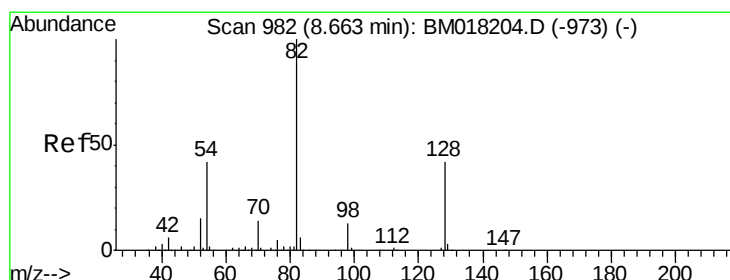
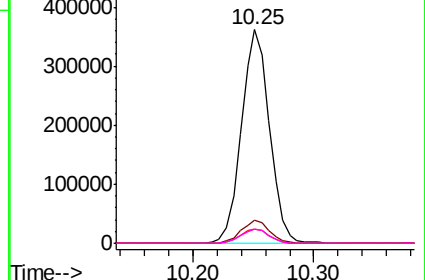
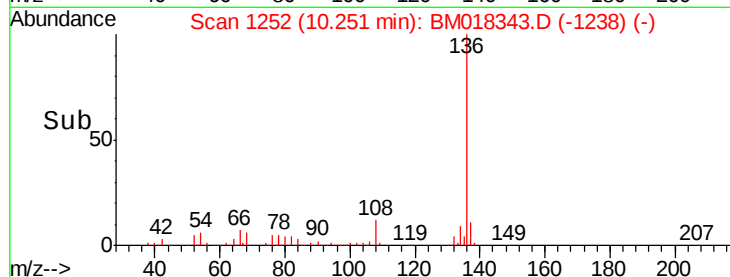


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 84.605 ng

RT: 8.65 min Scan# 979

Delta R.T. -0.02 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

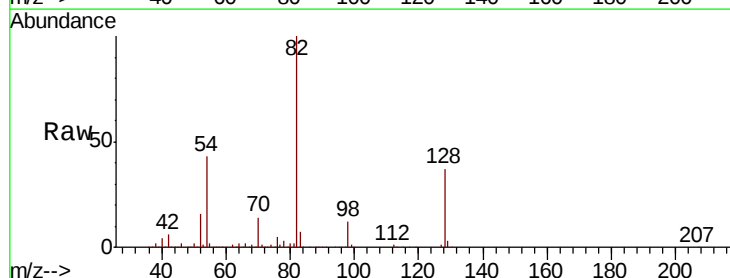
Tgt Ion: 82 Resp: 965641

Ion Ratio Lower Upper

82 100

128 37.2 33.4 50.2

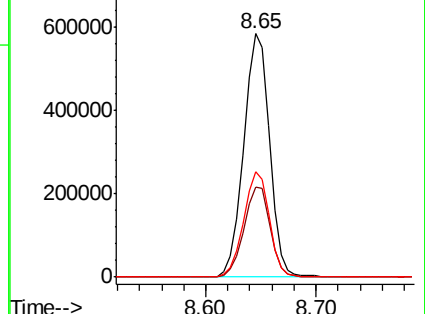
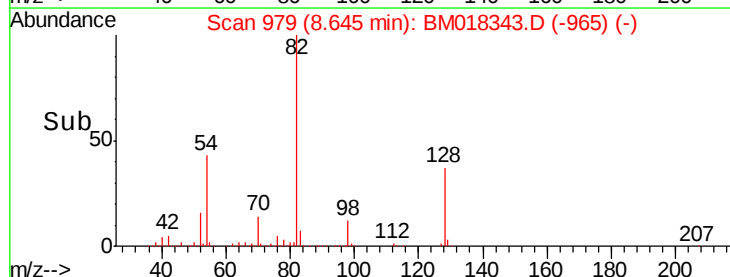
54 43.1 33.4 50.2

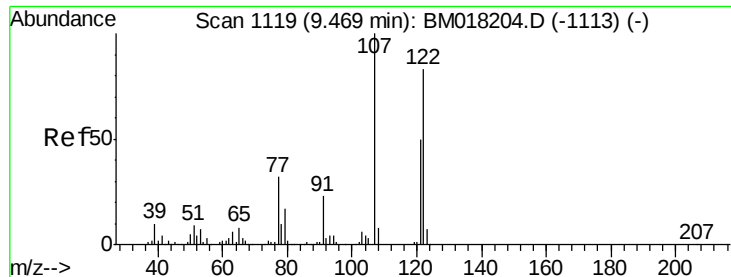


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

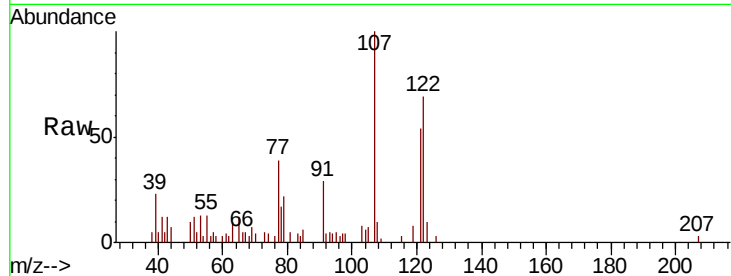




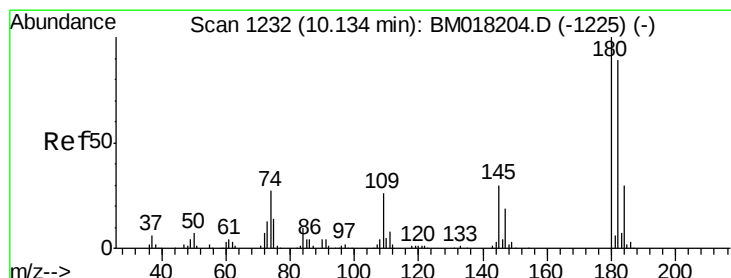
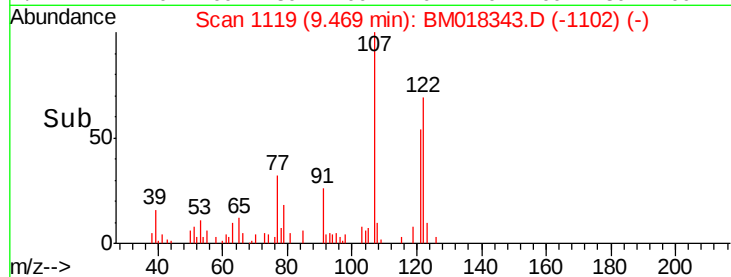
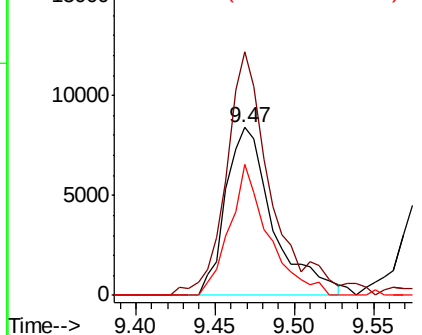
#27
 2,4-Dimethylphenol
 Concen: 2.165 ng
 RT: 9.47 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1218-01

Tgt Ion:122 Resp: 17453
 Ion Ratio Lower Upper
 122 100
 107 145.1 96.5 144.7#
 121 78.3 48.2 72.4#

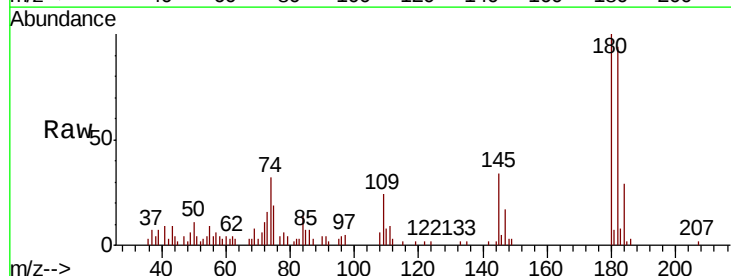


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

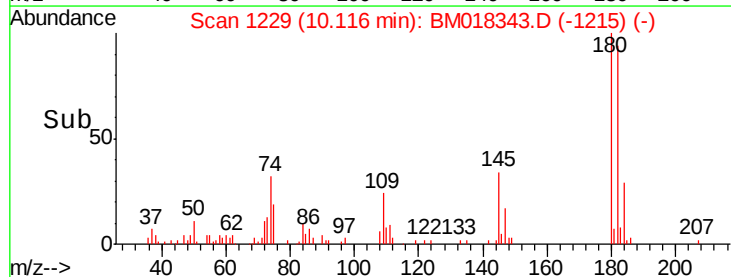
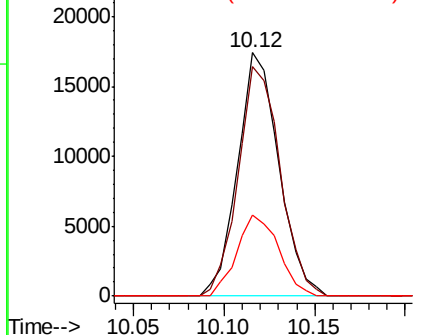


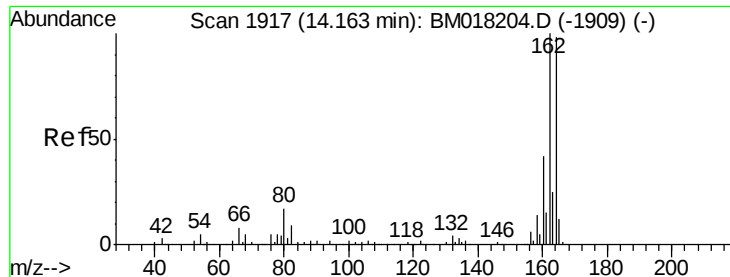
#30
 1,2,4-Trichlorobenzene
 Concen: 2.709 ng
 RT: 10.12 min Scan# 1229
 Delta R.T. -0.02 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Tgt Ion:180 Resp: 27539
 Ion Ratio Lower Upper
 180 100
 182 94.1 71.4 107.2
 145 33.5 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

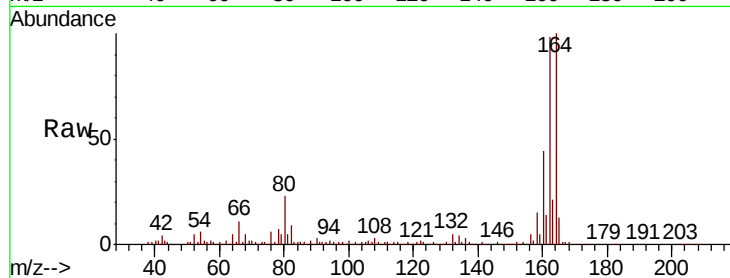
Tgt Ion:164 Resp: 302875

Ion Ratio Lower Upper

164 100

162 98.3 81.8 122.6

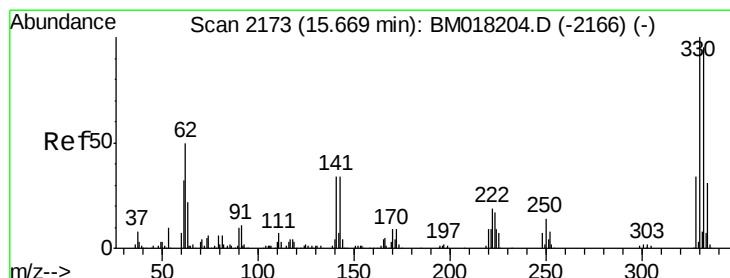
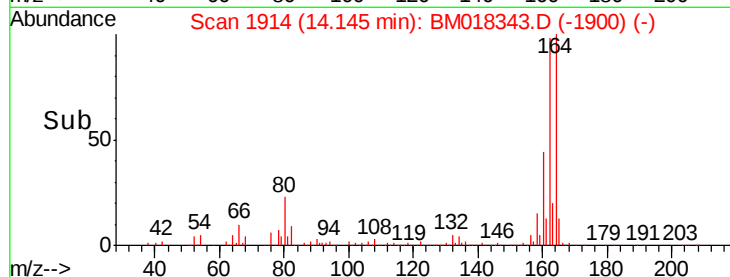
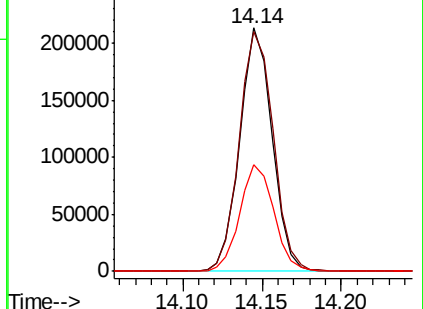
160 44.0 34.6 51.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 88.746 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

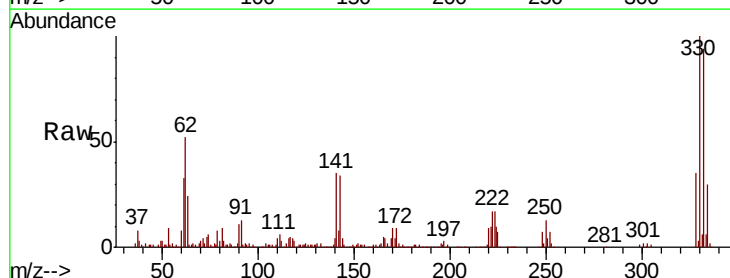
Tgt Ion:330 Resp: 394510

Ion Ratio Lower Upper

330 100

332 96.8 78.6 118.0

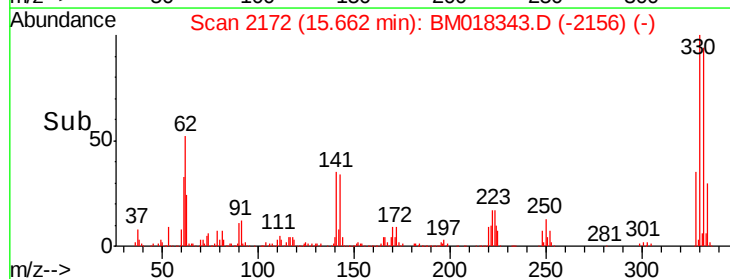
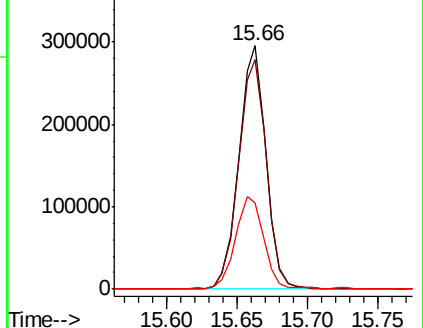
141 38.9 27.1 40.7

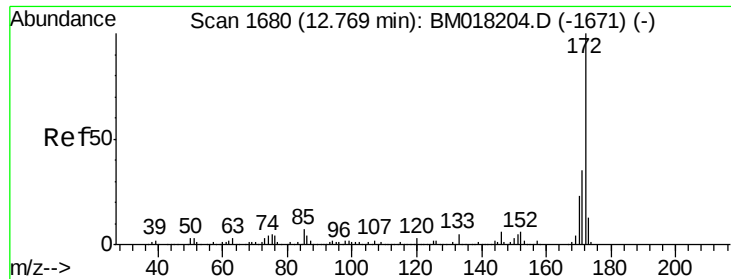


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

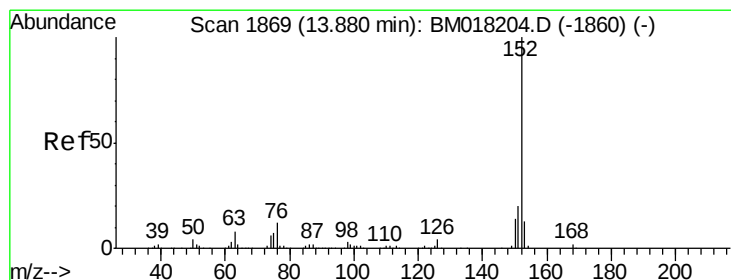
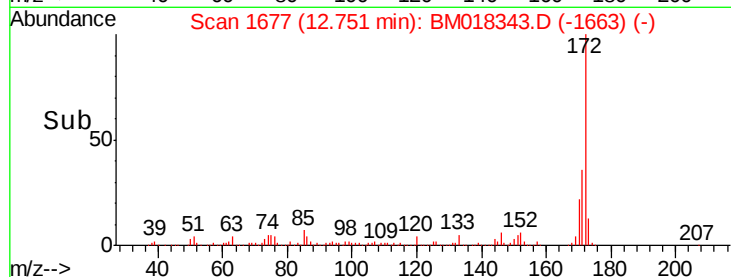
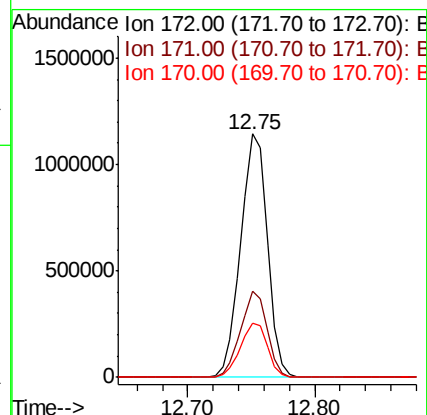
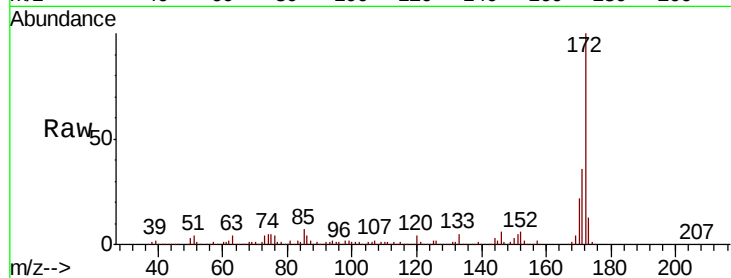




#45
2-Fluorobiphenyl
Concen: 71.314 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

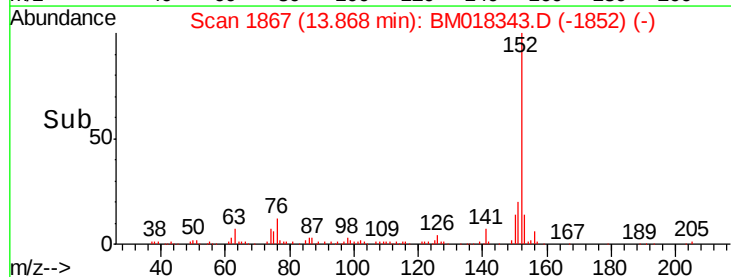
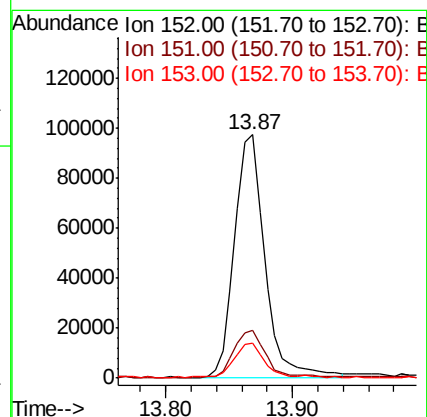
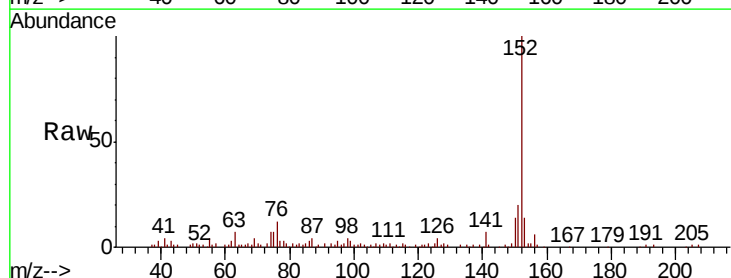
Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

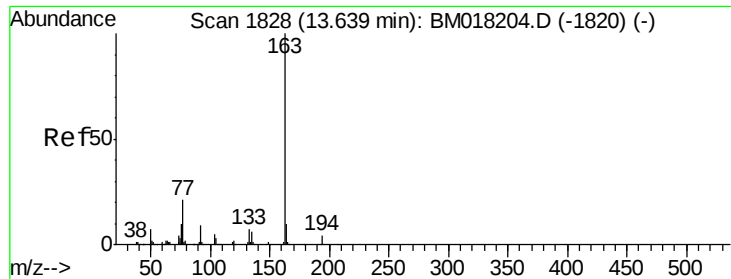
Tgt Ion:172 Resp: 1667584
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 22.5 18.1 27.1



#49
Acenaphthylene
Concen: 5.413 ng
RT: 13.87 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion:152 Resp: 163583
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 14.3 10.2 15.2

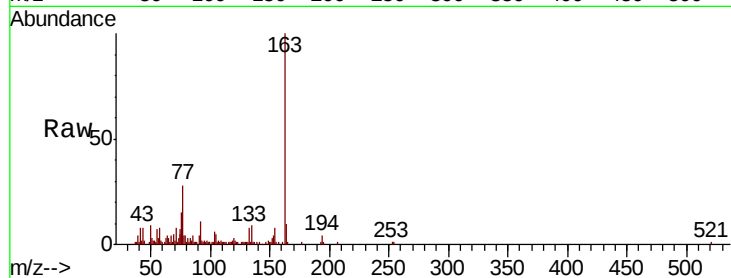




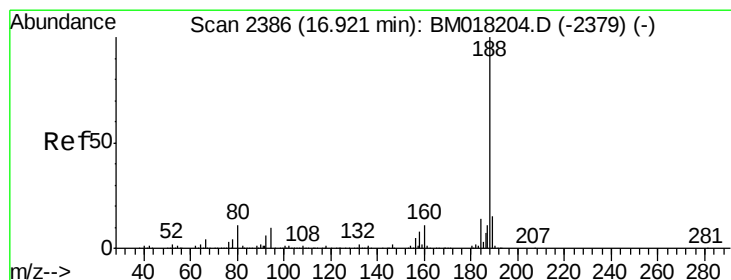
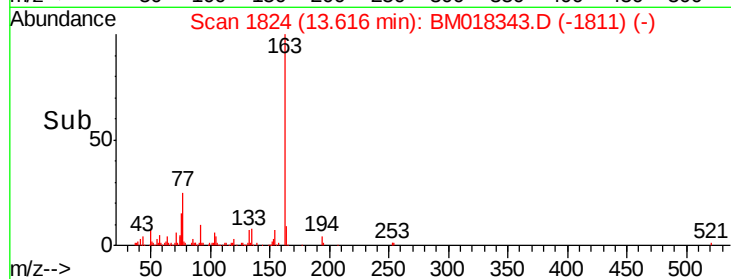
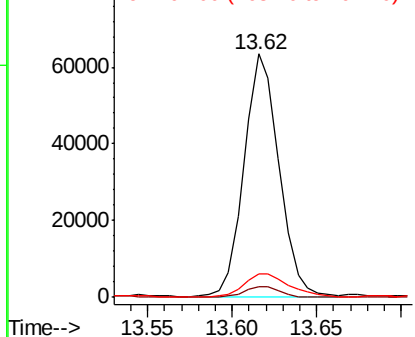
#50
Dimethylphthalate
Concen: 3.663 ng
RT: 13.62 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tgt Ion:163 Resp: 92227
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.7 7.9 11.9

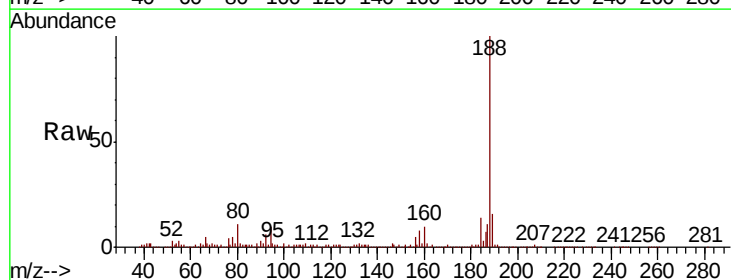


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

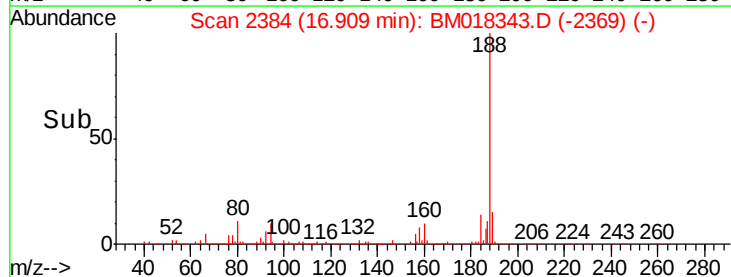
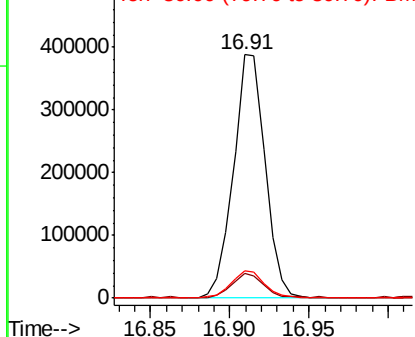


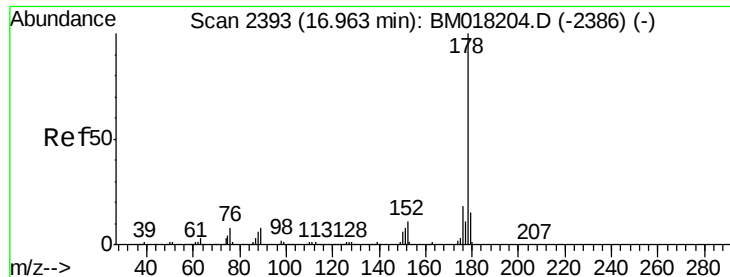
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion:188 Resp: 539462
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 11.3 9.0 13.6



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

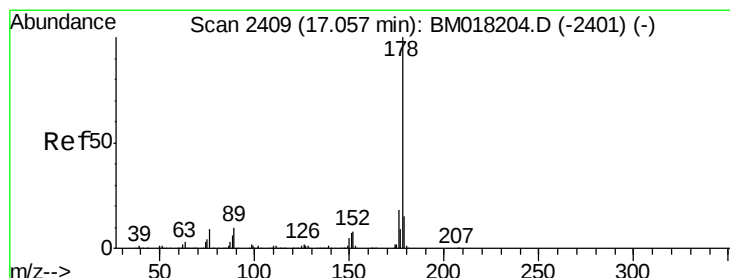
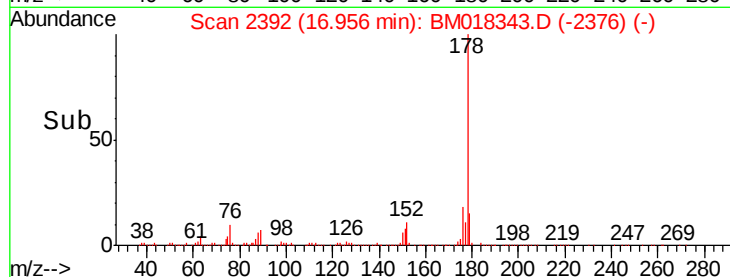
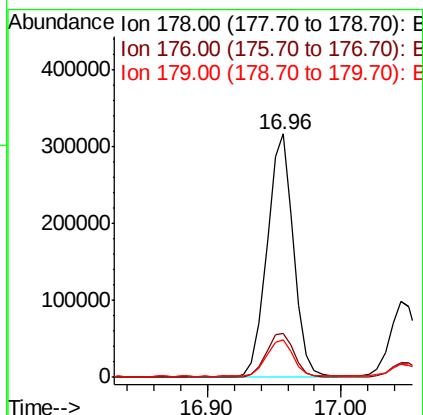
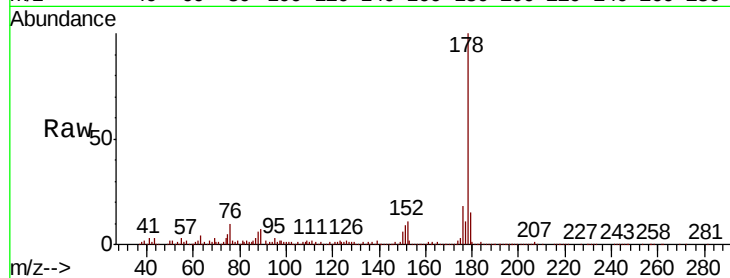




#71
Phenanthrene
Concen: 14.736 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

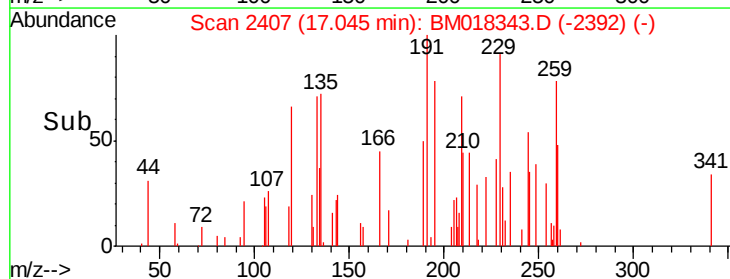
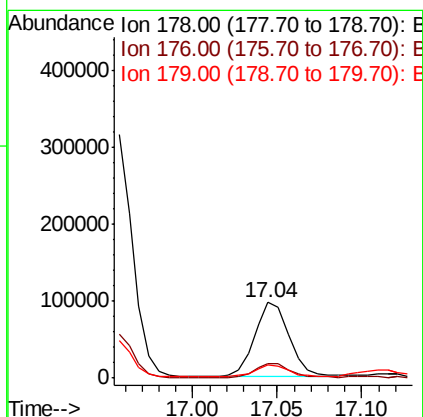
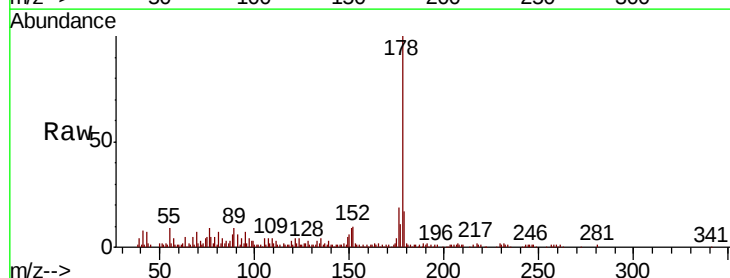
Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

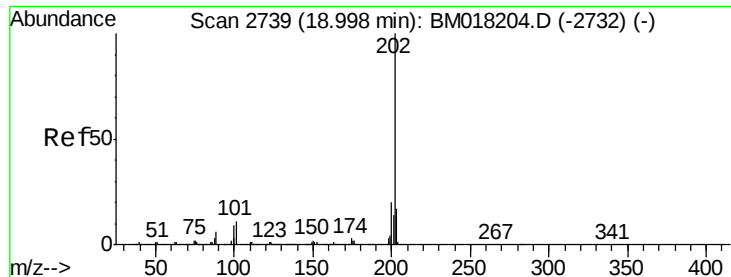
Tgt Ion:178 Resp: 431806
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.4 12.0 18.0



#72
Anthracene
Concen: 4.747 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion:178 Resp: 138009
Ion Ratio Lower Upper
178 100
176 19.5 14.3 21.5
179 16.7 12.0 18.0





#75

Fluoranthene

Concen: 9.381 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

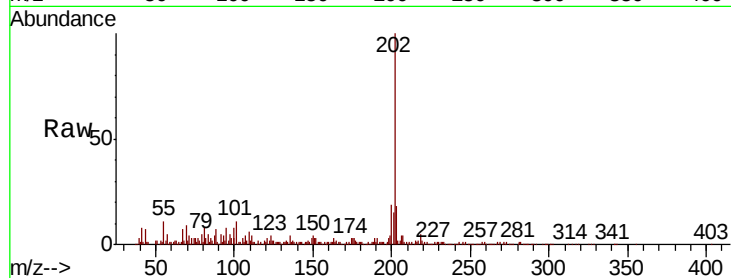
Tgt Ion:202 Resp: 319596

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.5

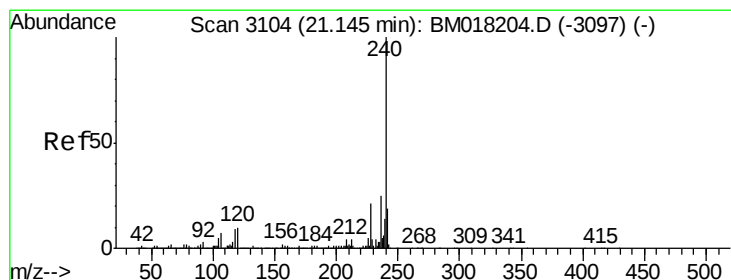
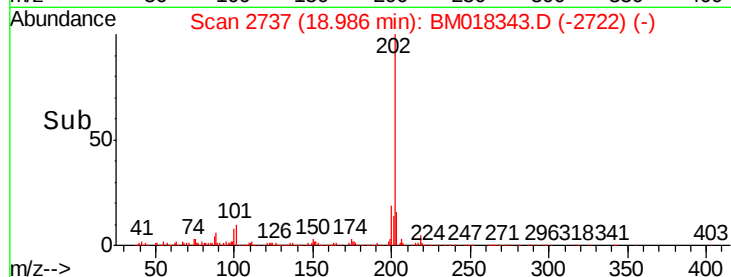
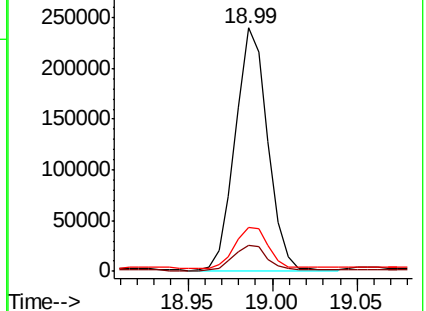
203 18.2 0.0 37.5



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: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

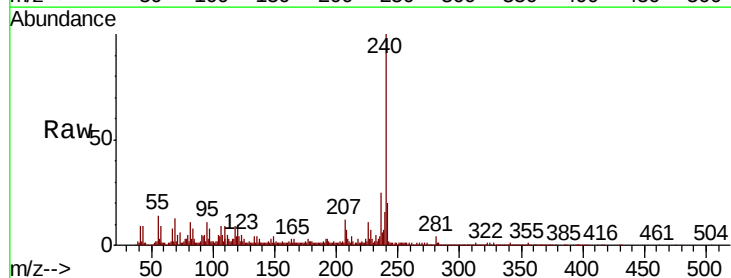
Tgt Ion:240 Resp: 554916

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

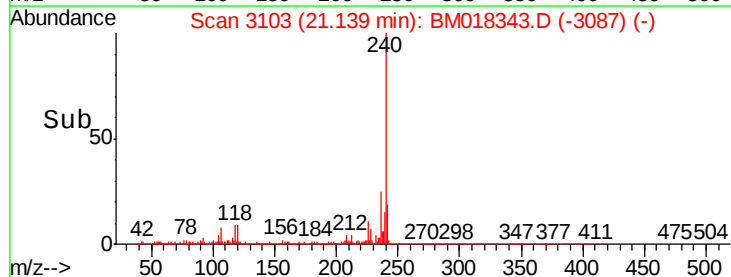
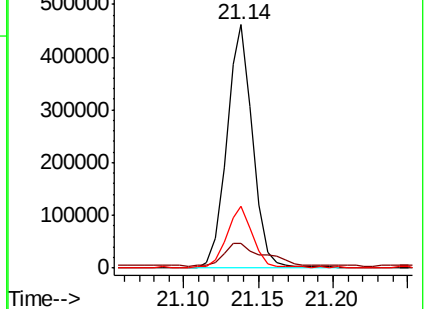
236 25.2 20.3 30.5

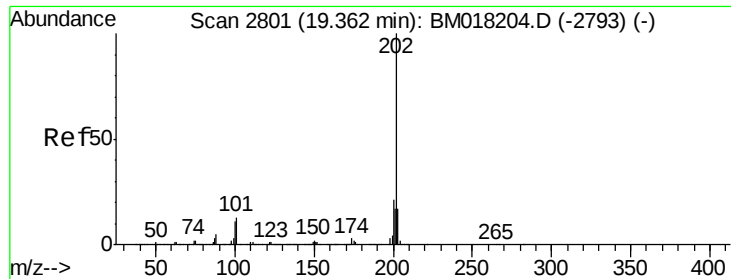


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

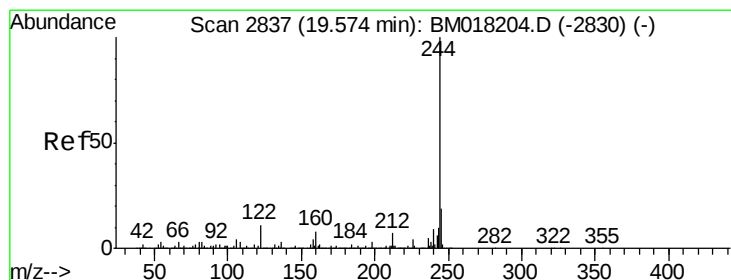
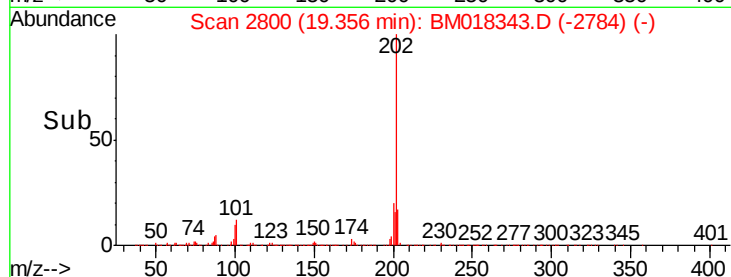
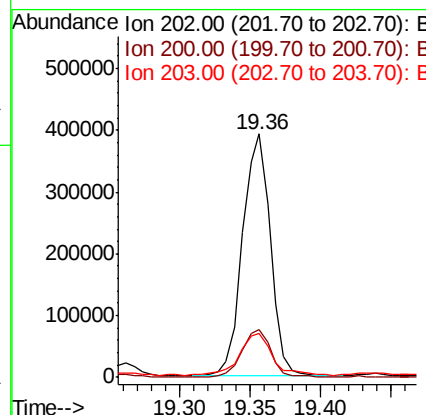
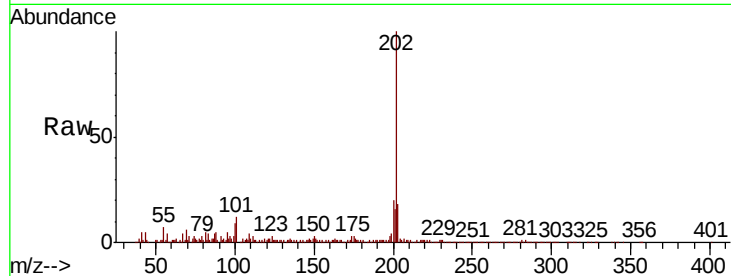




#78
 Pyrene
 Concen: 16.326 ng
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

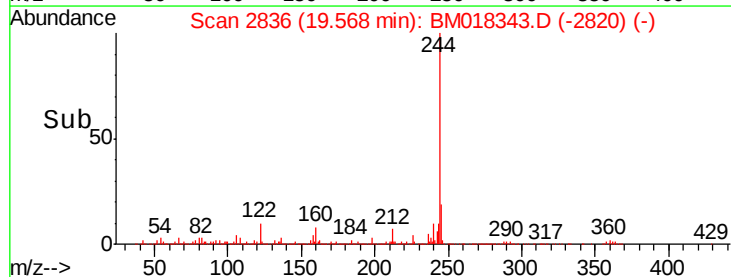
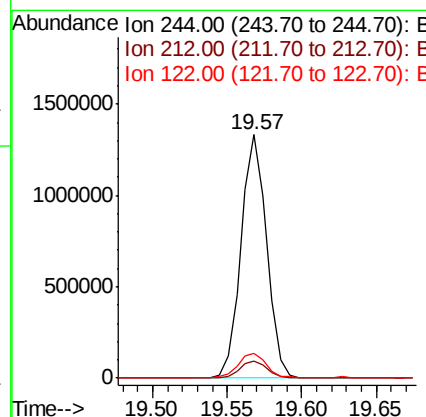
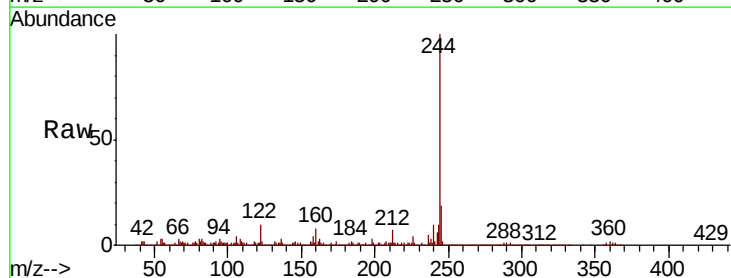
Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1218-01

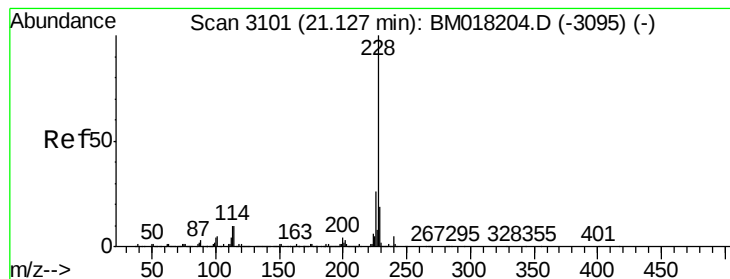
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	18.0	14.0	21.0



#79
 Terphenyl-d14
 Concen: 64.733 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.4	9.0	13.6





#81

Benzo(a)anthracene

Concen: 6.790 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

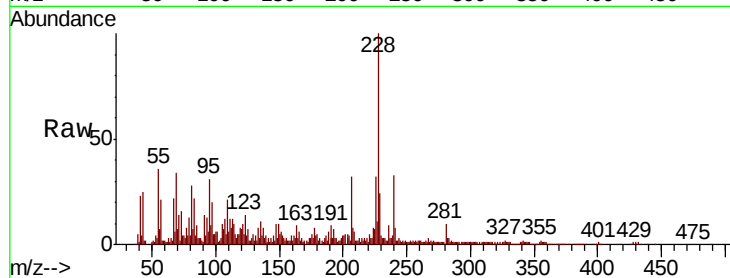
Tgt Ion:228 Resp: 220116

Ion Ratio Lower Upper

228 100

226 32.0 21.0 31.4#

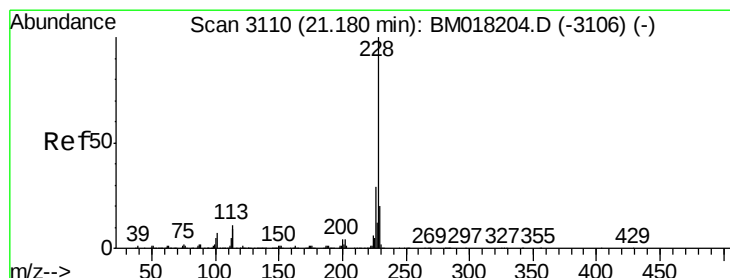
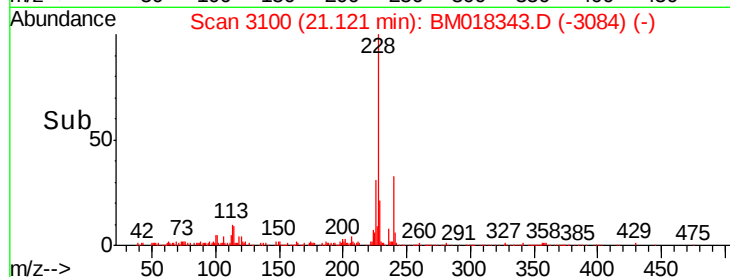
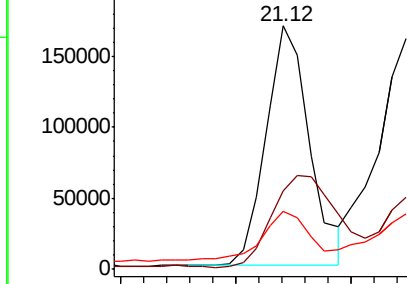
229 23.7 15.5 23.3#



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: 7.522 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

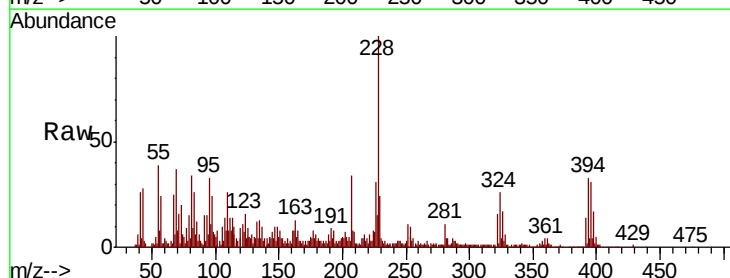
Tgt Ion:228 Resp: 234526

Ion Ratio Lower Upper

228 100

226 31.1 23.1 34.7

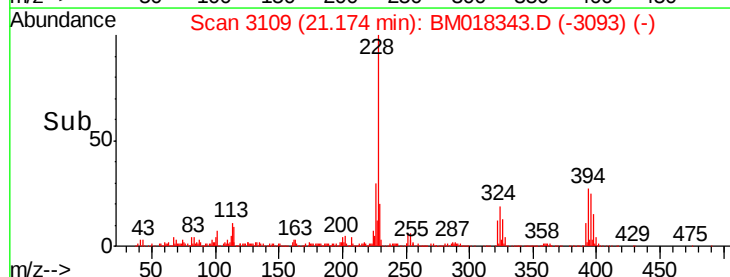
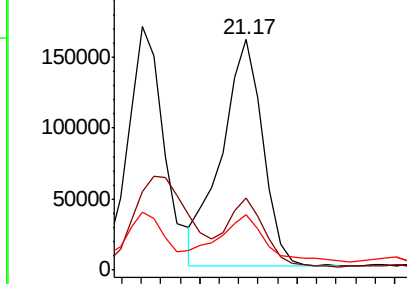
229 23.9 15.8 23.6#

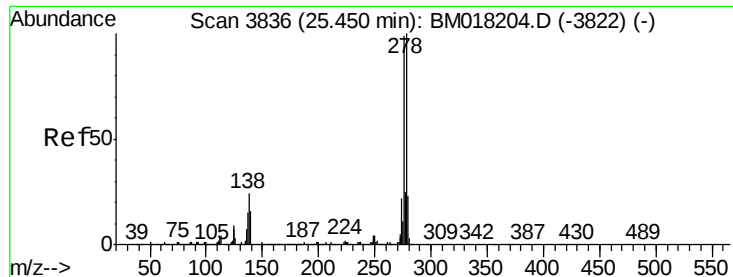


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.143 ng

RT: 25.44 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

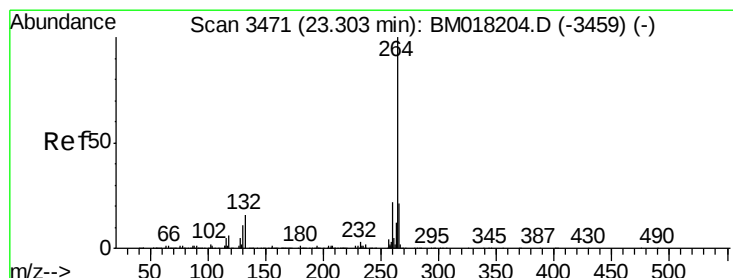
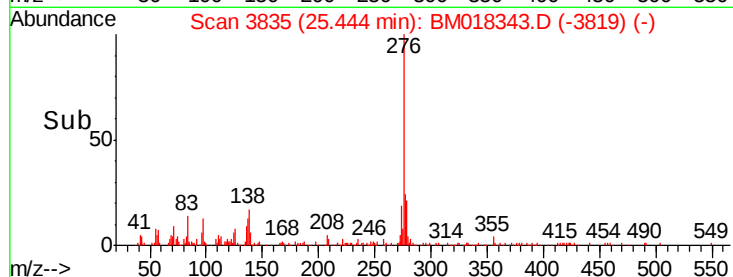
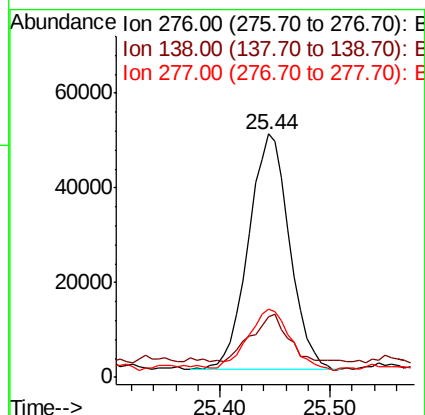
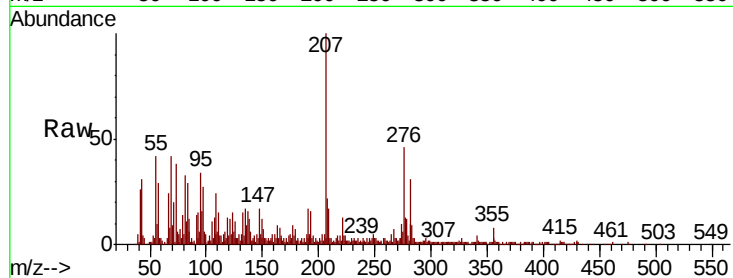
Tgt Ion:276 Resp: 128684

Ion Ratio Lower Upper

276 100

138 18.1 18.6 28.0#

277 26.6 20.3 30.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

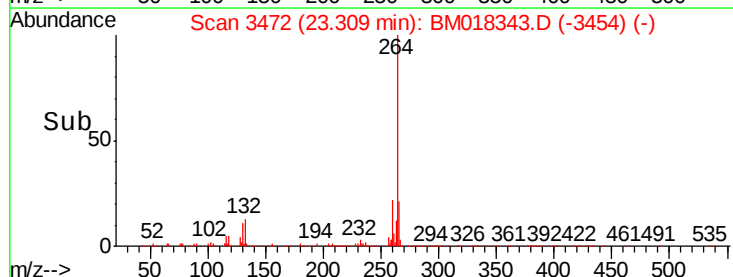
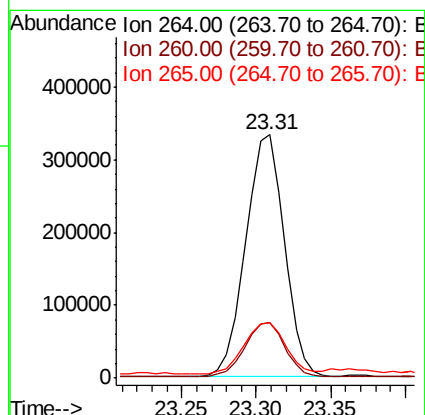
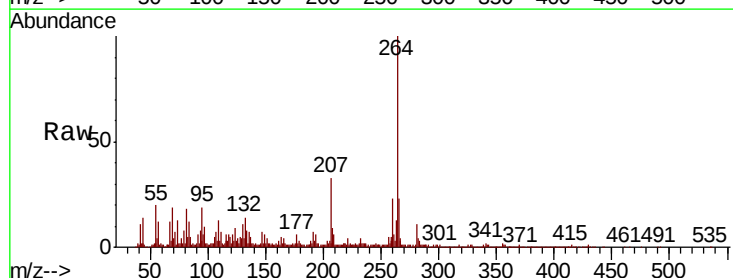
Tgt Ion:264 Resp: 599950

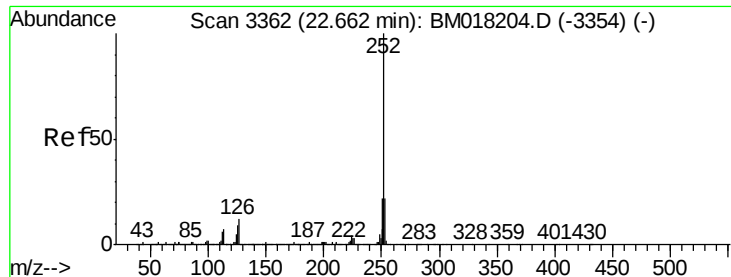
Ion Ratio Lower Upper

264 100

260 22.7 17.5 26.3

265 22.9 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 8.323 ng

RT: 22.67 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

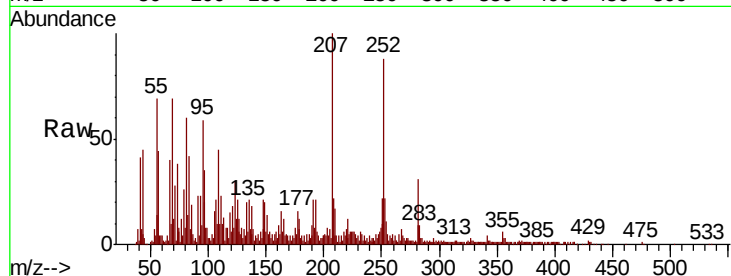
Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

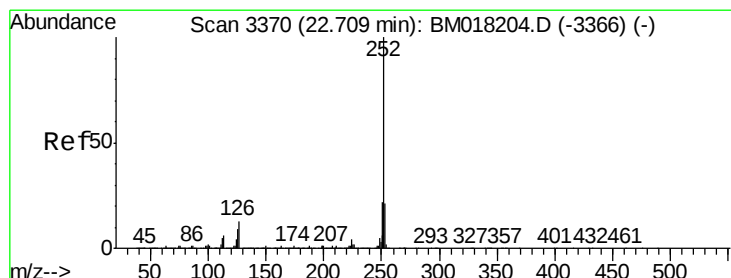
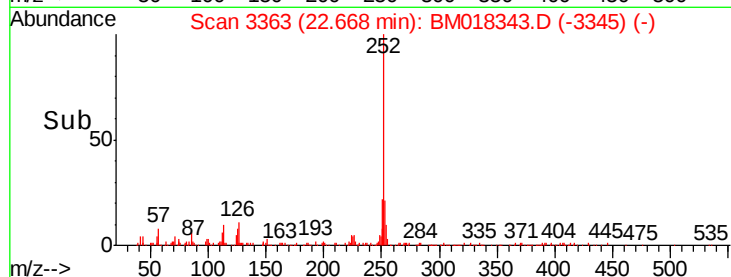
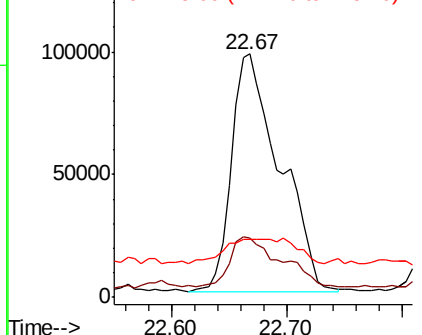
Tgt Ion:	252	Resp:	280496
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.6	26.4
125	23.9	7.4	11.0#



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: 8.298 ng

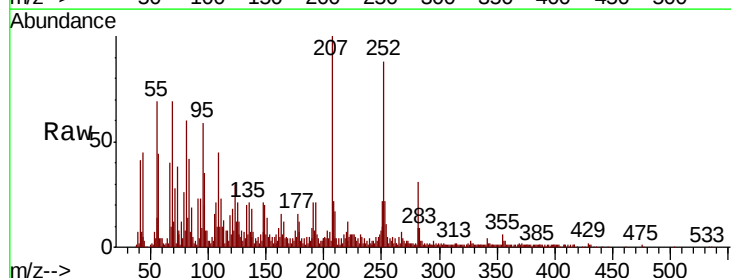
RT: 22.67 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

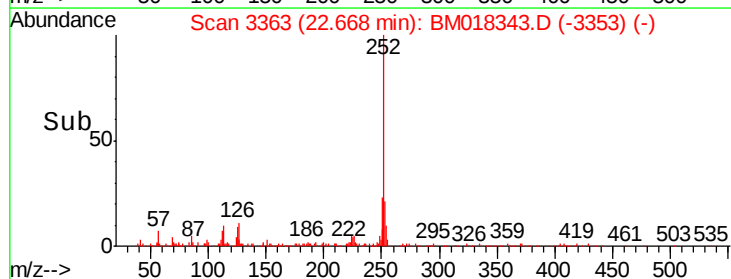
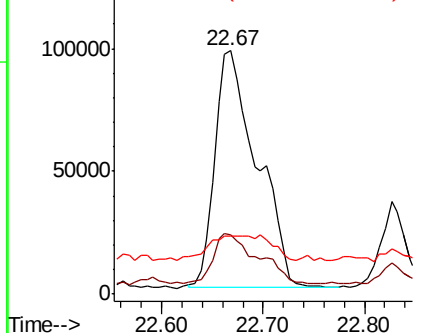
Tgt Ion:	252	Resp:	278491
Ion Ratio	Lower	Upper	
252	100		
253	24.6	16.9	25.3
125	23.9	7.5	11.3#

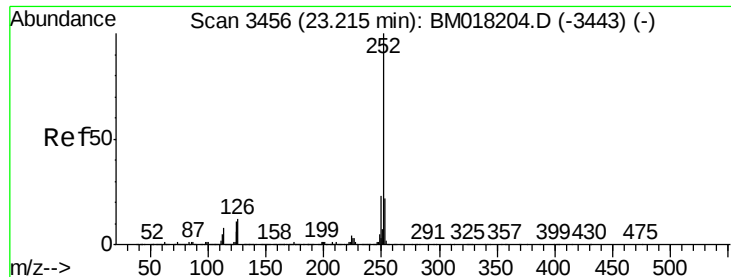


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.097 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1218-01

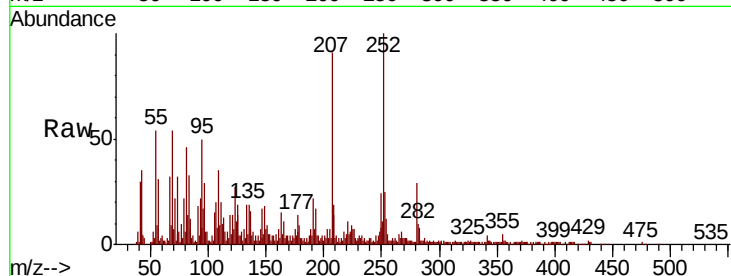
Tgt Ion: 252 Resp: 227478

Ion Ratio Lower Upper

252 100

253 24.9 17.6 26.4

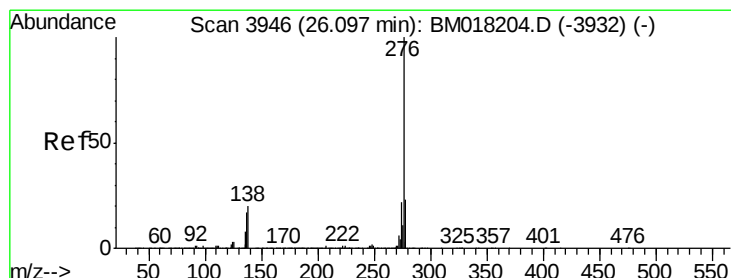
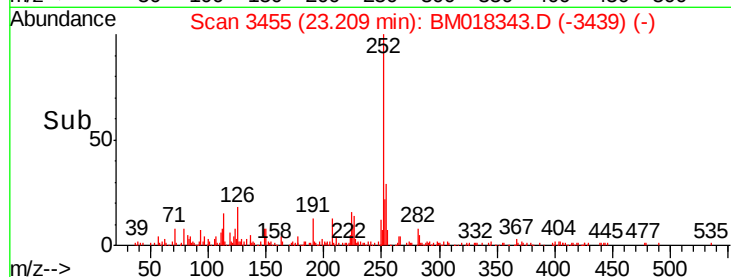
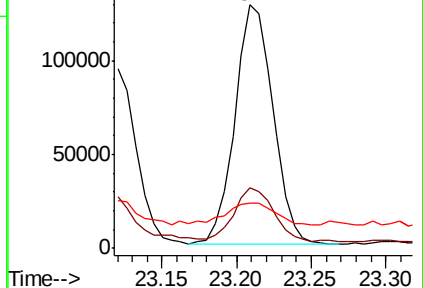
125 18.6 8.6 12.8#



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



#92

Benzo(g,h,i)perylene

Concen: 6.655 ng

RT: 26.11 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

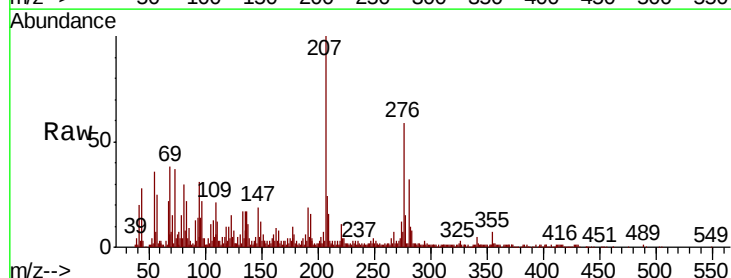
Tgt Ion: 276 Resp: 186783

Ion Ratio Lower Upper

276 100

277 24.9 18.7 28.1

138 18.3 15.8 23.8



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

