

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018364.D
 Acq On : 21 Dec 2018 19:27
 Operator : JU/SJ
 Sample : J6386-19
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-0006-01

Quant Time: Dec 22 03:50:39 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	7.48	152	117490	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	426306	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	209874	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	399158	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	429872	20.00	ng	0.00
87) Perylene-d12	23.31	264	486522	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	812389	115.51	ng	0.00
7) Phenol-d6	6.70	99	1045798	106.98	ng	0.00
23) Nitrobenzene-d5	8.65	82	710277	85.46	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	280322	91.00	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	1076044	66.41	ng	-0.02
79) Terphenyl-d14	19.57	244	1058577	55.69	ng	0.00

Target Compounds

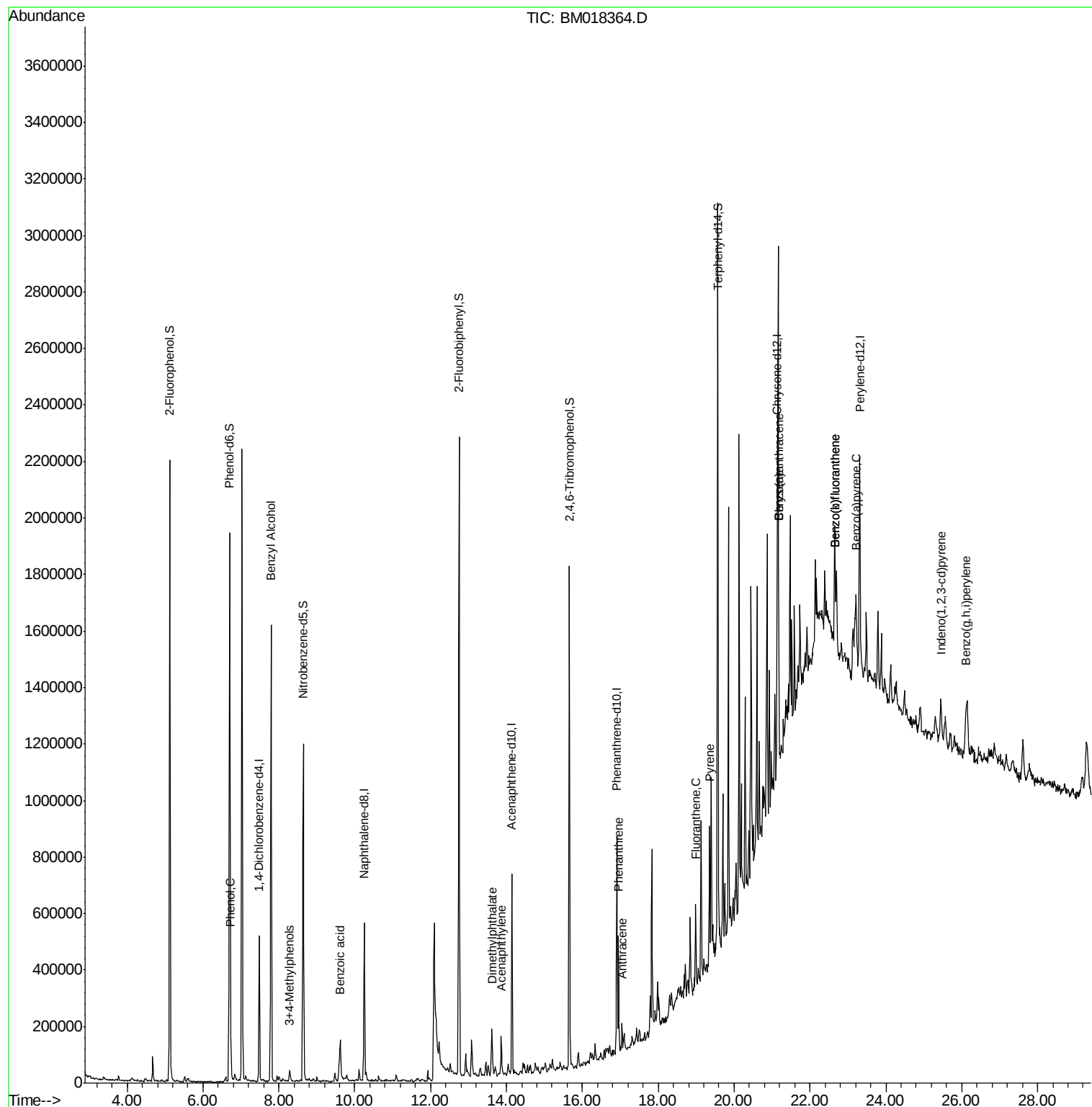
						Qvalue
10) Phenol	6.73	94	85667	8.275	ng	88
15) Benzyl Alcohol	7.79	79	16940	2.127	ng	# 41
20) 3+4-Methylphenols	8.29	107	19719	2.036	ng	92
32) Benzoic acid	9.62	122	62366	11.220	ng	88
49) Acenaphthylene	13.86	152	85788	4.096	ng	97
50) Dimethylphthalate	13.62	163	84287	4.831	ng	97
71) Phenanthrene	16.96	178	228568	10.542	ng	98
72) Anthracene	17.04	178	62016	2.883	ng	97
75) Fluoranthene	18.99	202	162545	6.448	ng	97
78) Pyrene	19.36	202	292417	11.416	ng	99
81) Benzo(a)anthracene	21.18	228	114341	4.553	ng	92
83) Chrysene	21.18	228	125326	5.189	ng	96
86) Indeno(1,2,3-cd)pyrene	25.45	276	76649	3.186	ng	97
88) Benzo(b)fluoranthene	22.67	252	156297	5.719	ng	# 81
89) Benzo(k)fluoranthene	22.67	252	156072	5.734	ng	# 79
90) Benzo(a)pyrene	23.21	252	133918	5.152	ng	# 90
92) Benzo(g,h,i)perylene	26.11	276	111732	4.909	ng	# 93

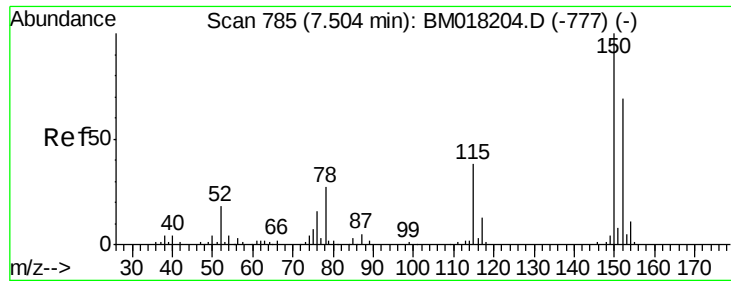
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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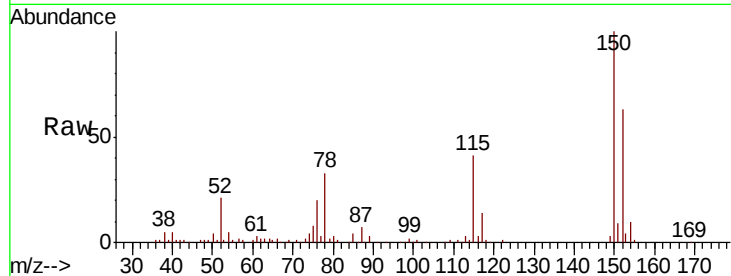


#1

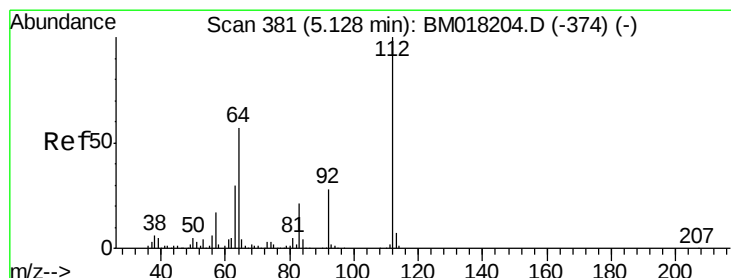
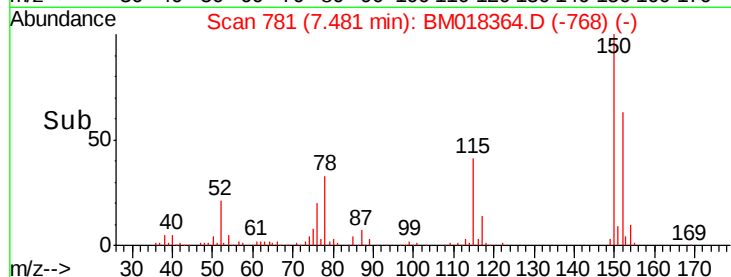
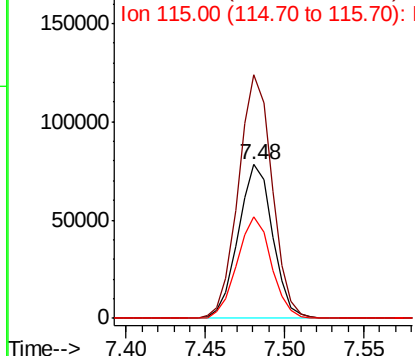
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0006-01

Tgt Ion:152 Resp: 117490
Ion Ratio Lower Upper
152 100
150 158.7 116.1 174.1
115 65.8 44.6 67.0



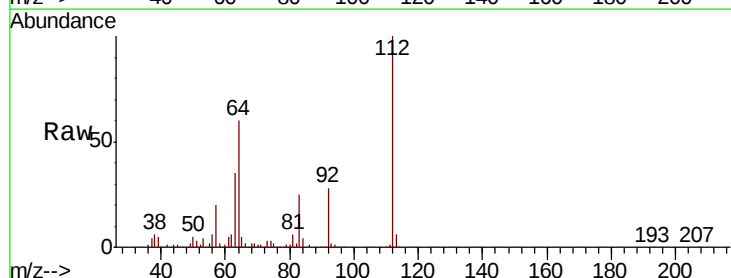
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



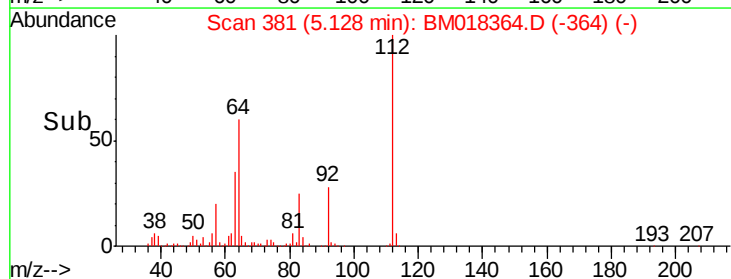
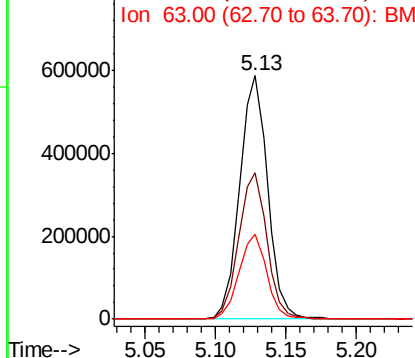
#5

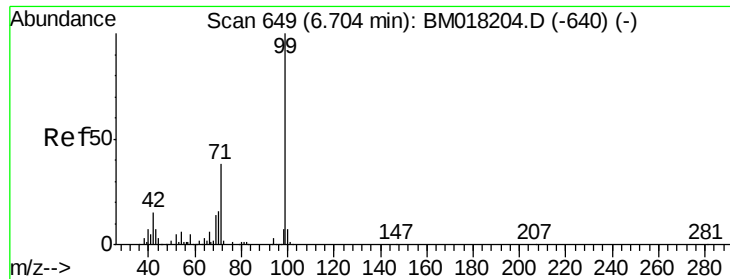
2-Fluorophenol
Concen: 115.506 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

Tgt Ion:112 Resp: 812389
Ion Ratio Lower Upper
112 100
64 60.0 45.4 68.2
63 34.7 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





#7

Phenol-d6

Concen: 106.979 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

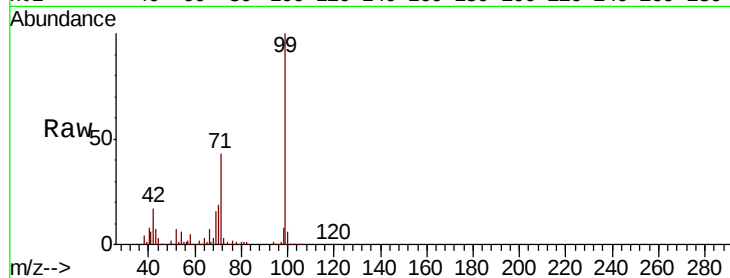
Tgt Ion: 99 Resp: 1045798

Ion Ratio Lower Upper

99 100

42 16.9 12.3 18.5

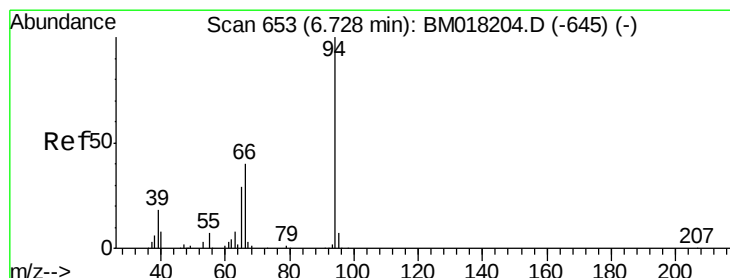
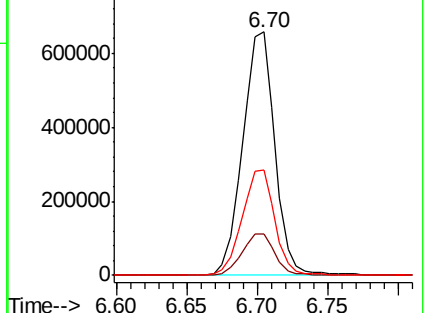
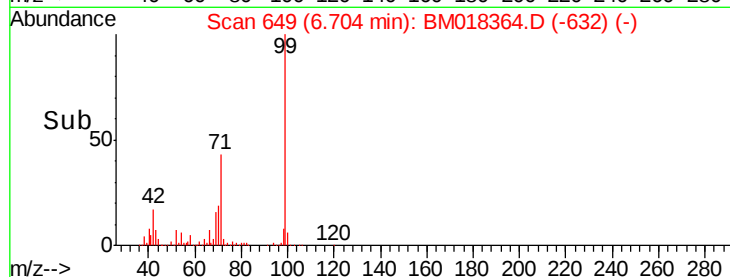
71 43.4 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018364.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018364.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018364.D (-632) (-)



#10

Phenol

Concen: 8.275 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

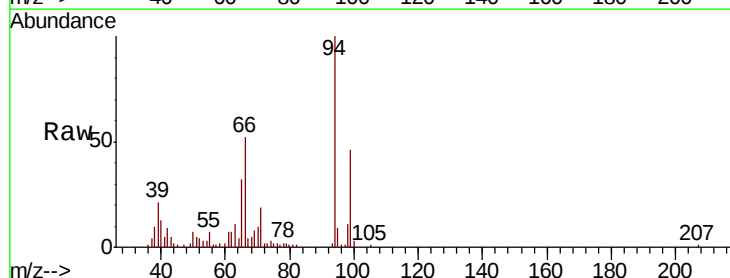
Tgt Ion: 94 Resp: 85667

Ion Ratio Lower Upper

94 100

65 32.4 9.5 49.5

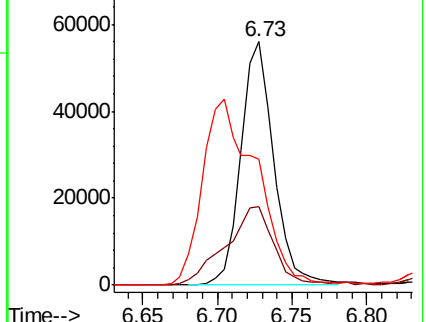
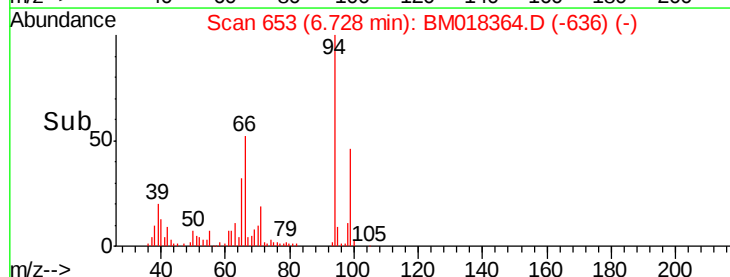
66 51.6 21.3 61.3

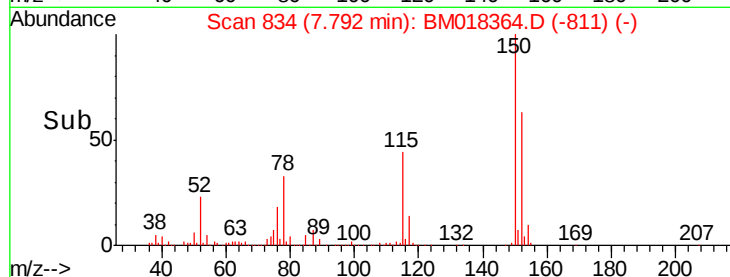
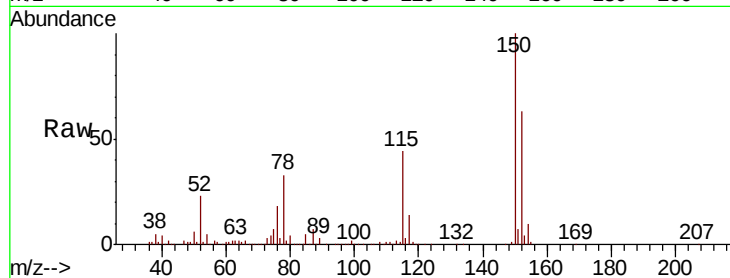
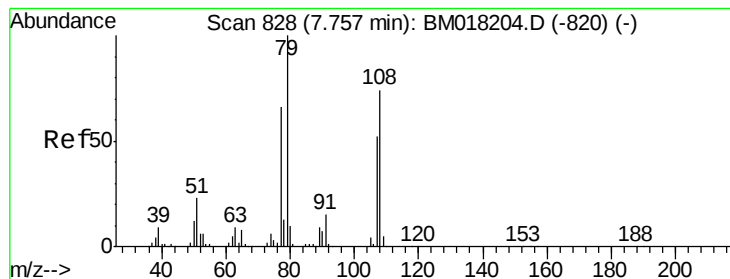


Abundance Ion 94.00 (93.70 to 94.70): BM018364.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018364.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018364.D (-636) (-)





#15

Benzyl Alcohol

Concen: 2.127 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.04 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

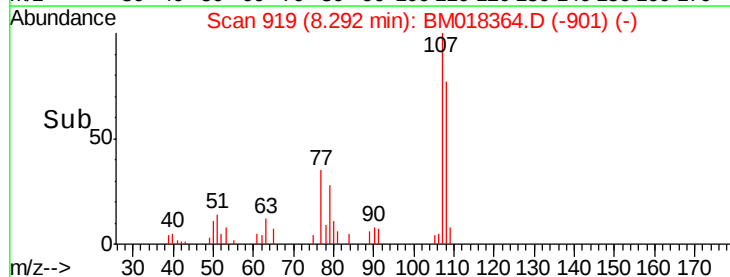
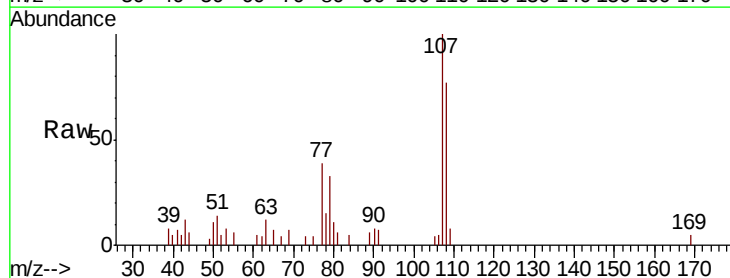
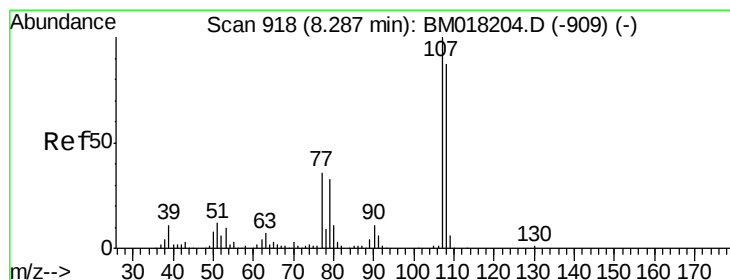
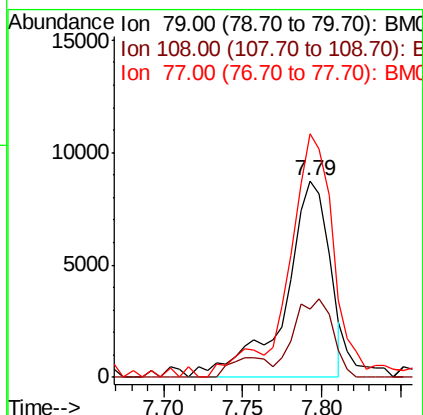
Tgt Ion: 79 Resp: 16940

Ion Ratio Lower Upper

79 100

108 34.7 59.3 88.9#

77 124.1 53.0 79.4#



#20

3+4-Methylphenols

Concen: 2.036 ng

RT: 8.29 min Scan# 919

Delta R.T. 0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Tgt Ion: 107 Resp: 19719

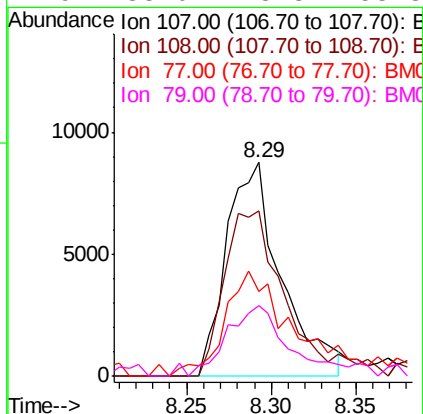
Ion Ratio Lower Upper

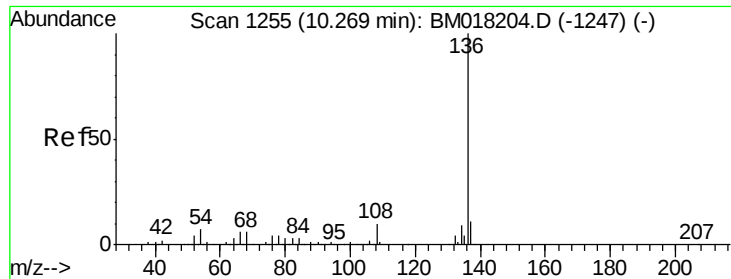
107 100

108 77.1 67.4 107.4

77 39.4 15.7 55.7

79 33.0 13.3 53.3

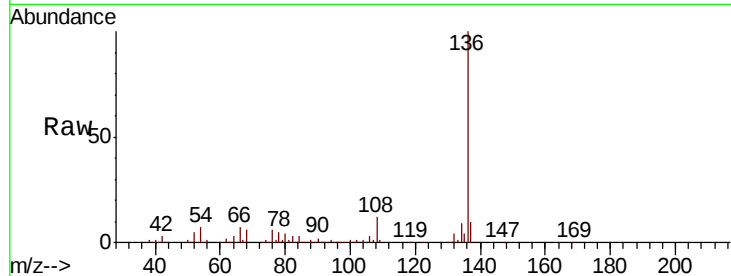




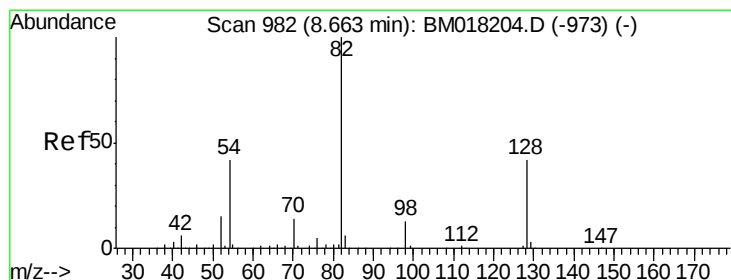
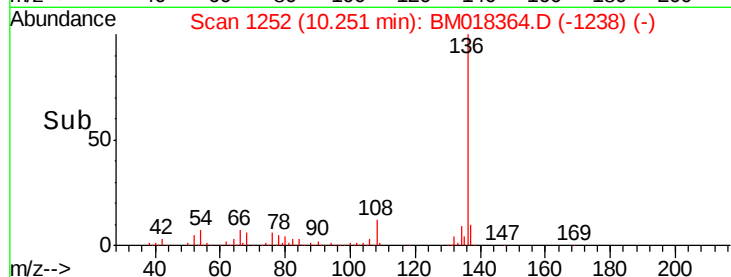
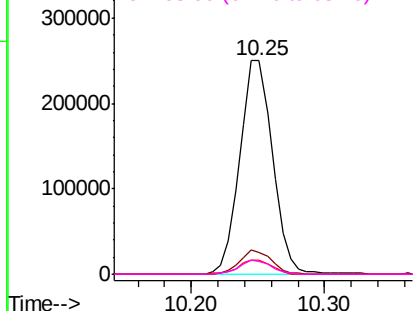
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0006-01

Tgt Ion:	136	Resp:	426306
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	6.7	5.2	7.8
68	6.0	5.0	7.6

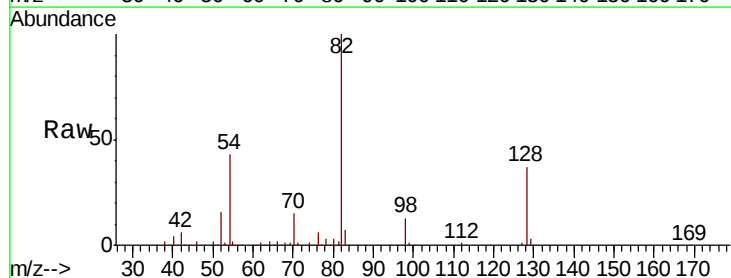


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

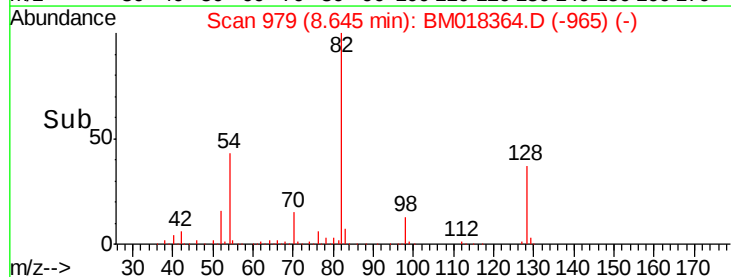
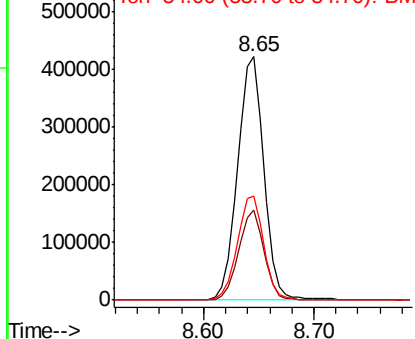


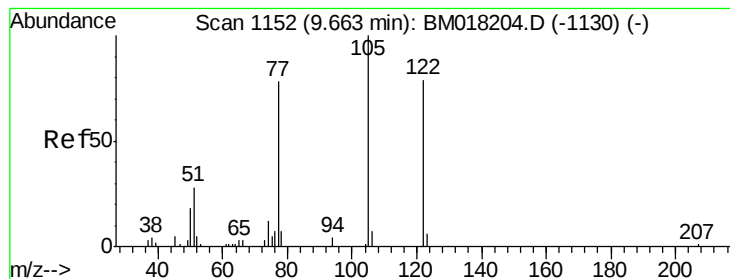
#23
Nitrobenzene-d5
Concen: 85.461 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

Tgt Ion:	82	Resp:	710277
Ion	Ratio	Lower	Upper
82	100		
128	37.1	33.4	50.2
54	42.7	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





#32

Benzoic acid

Concen: 11.220 ng

RT: 9.62 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

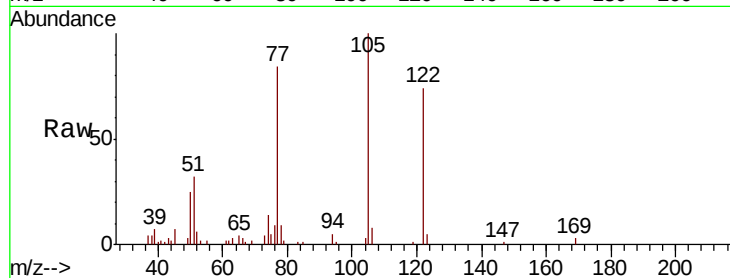
Tgt Ion:122 Resp: 62366

Ion Ratio Lower Upper

122 100

105 134.8 104.8 144.8

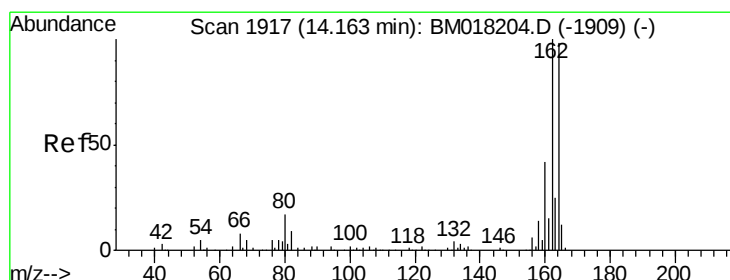
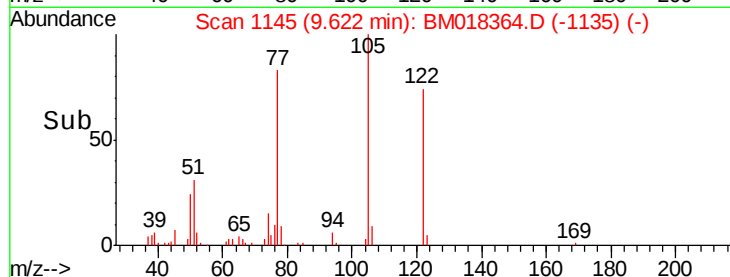
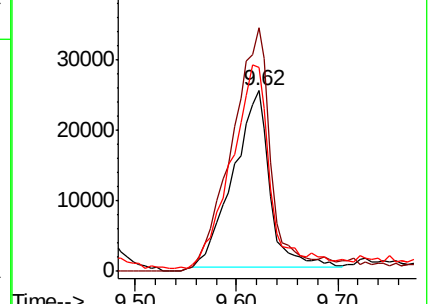
77 112.9 77.7 117.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

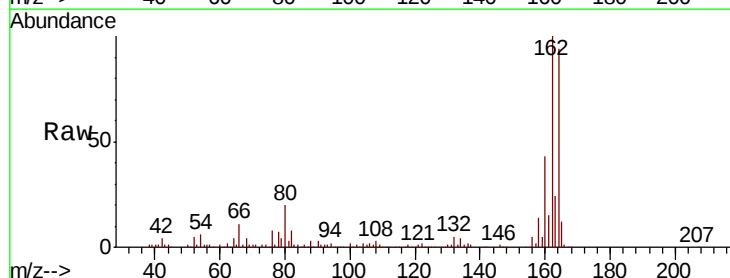
Tgt Ion:164 Resp: 209874

Ion Ratio Lower Upper

164 100

162 106.9 81.8 122.6

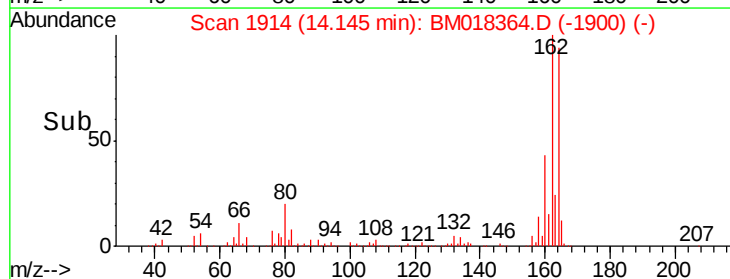
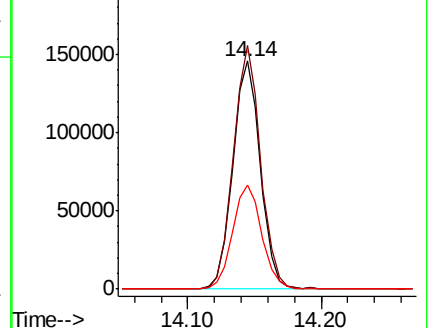
160 45.6 34.6 51.8

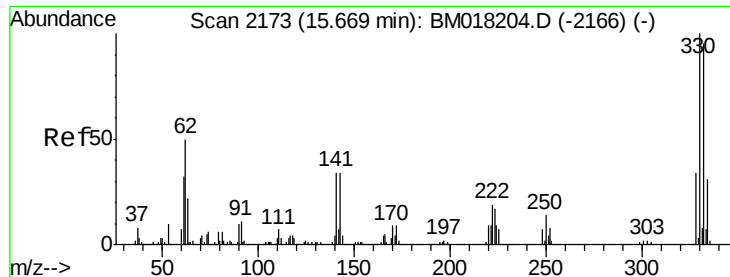


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

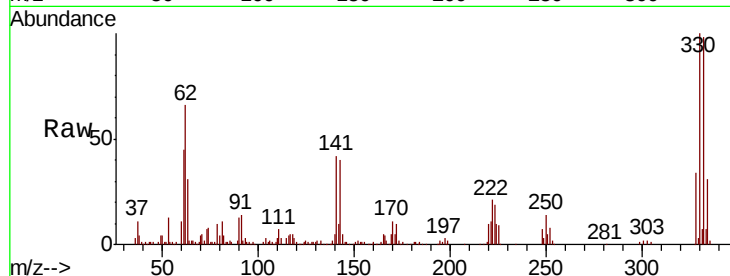




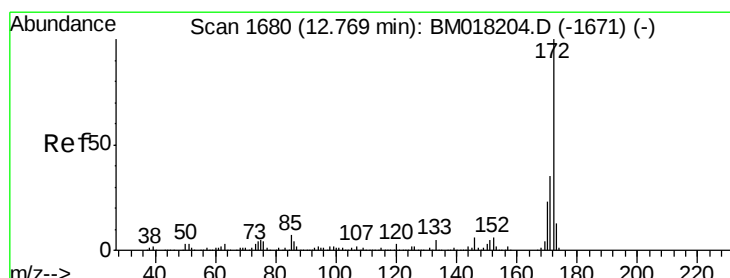
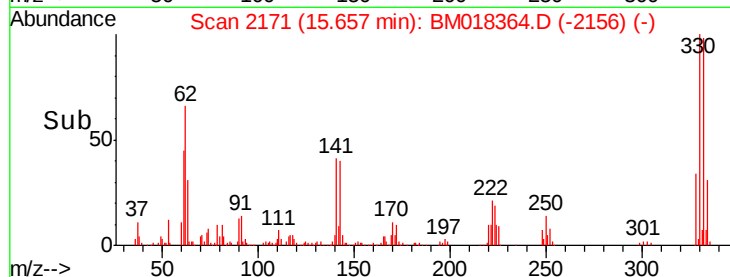
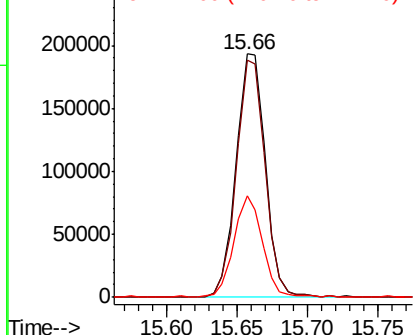
#42
 2,4,6-Tribromophenol
 Concen: 91.003 ng
 RT: 15.66 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BM018364.D
 Acq: 21 Dec 2018 19:27

Instrument :
 BNA_M
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 P001-SS008-0006-01

Tgt Ion:330 Resp: 280322
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.6 118.0
 141 40.0 27.1 40.7

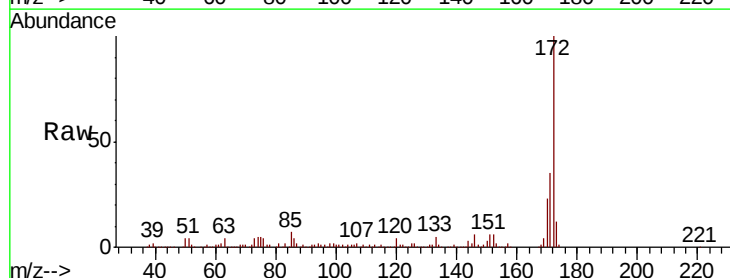


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

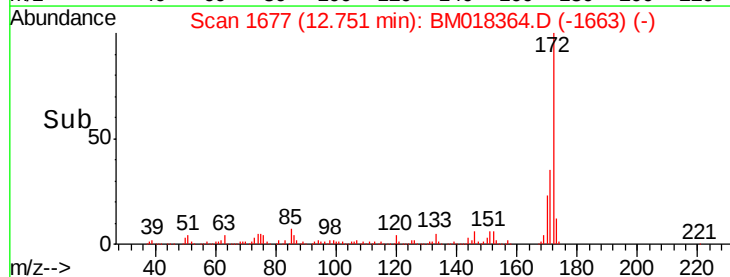
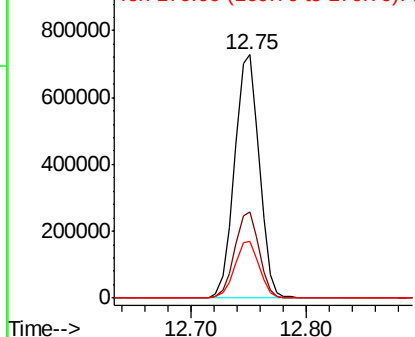


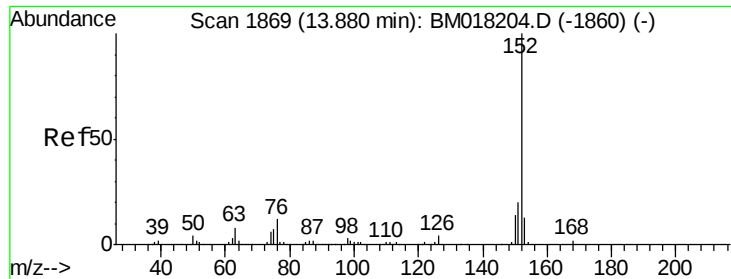
#45
 2-Fluorobiphenyl
 Concen: 66.408 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018364.D
 Acq: 21 Dec 2018 19:27

Tgt Ion:172 Resp: 1076044
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 23.2 18.1 27.1



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





#49

Acenaphthylene

Concen: 4.096 ng

RT: 13.86 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

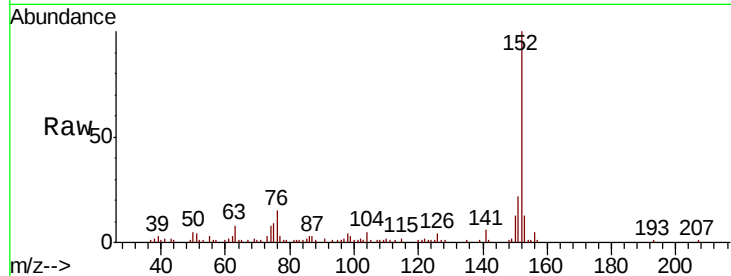
Tgt Ion:152 Resp: 85788

Ion Ratio Lower Upper

152 100

151 22.0 16.0 24.0

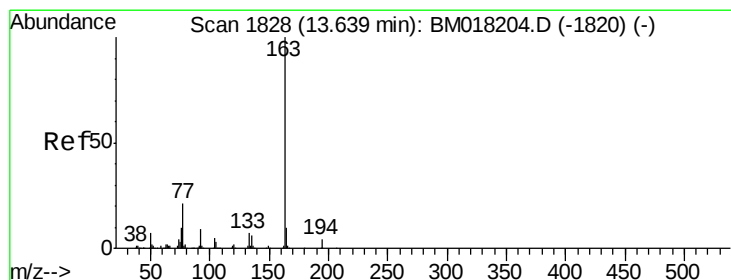
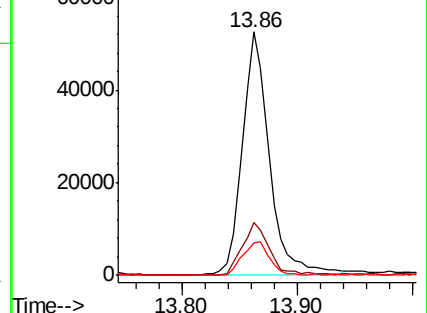
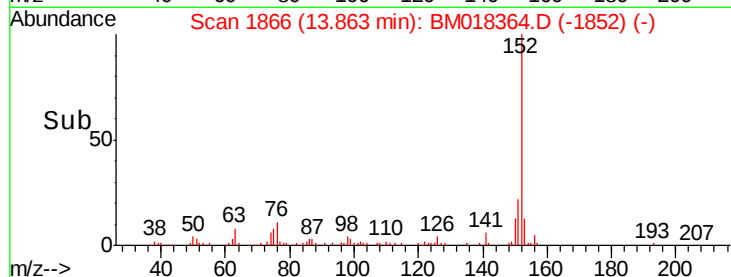
153 13.3 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.831 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

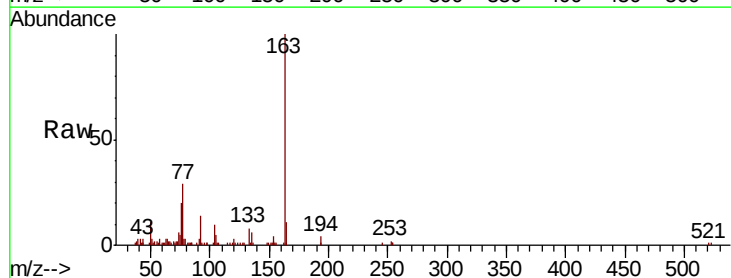
Tgt Ion:163 Resp: 84287

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

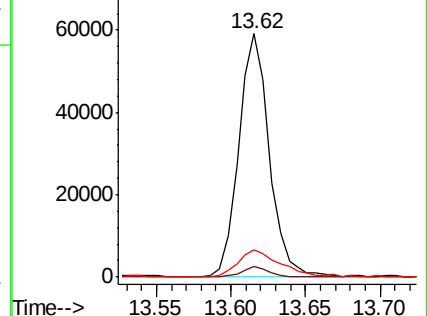
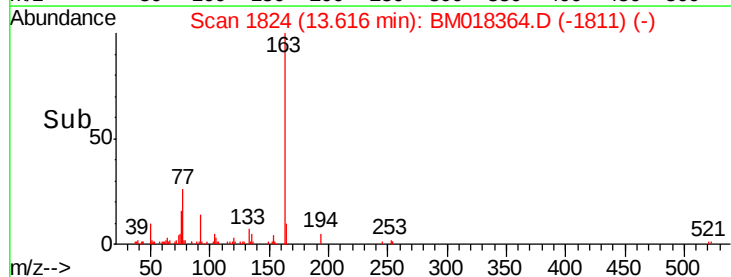
164 11.2 7.9 11.9

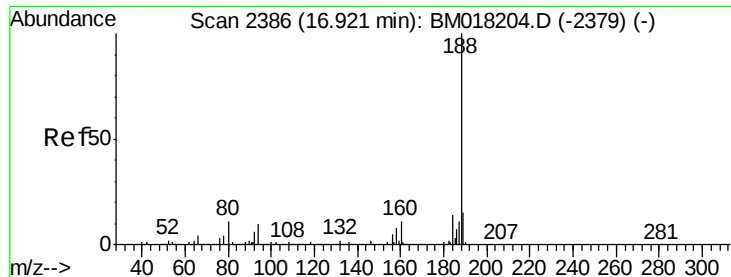


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

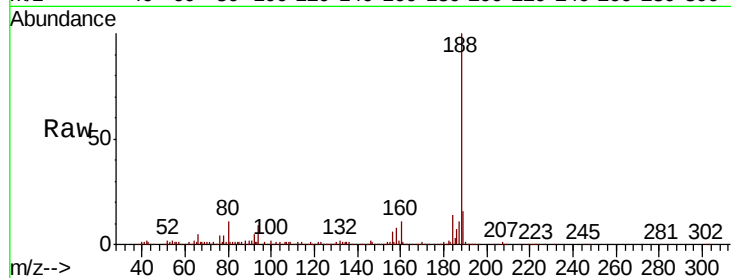




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.91 min Scan# 2384
 Delta R.T. -0.01 min
 Lab File: BM018364.D
 Acq: 21 Dec 2018 19:27

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-0006-01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	10.6	9.0	13.6

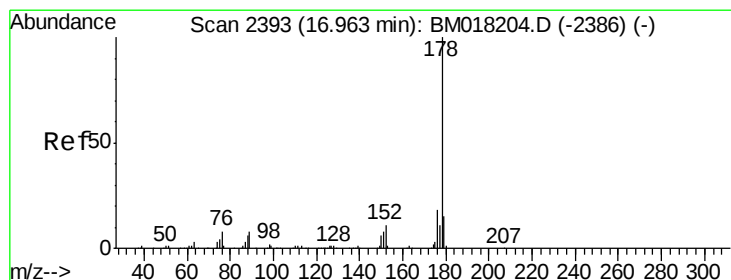
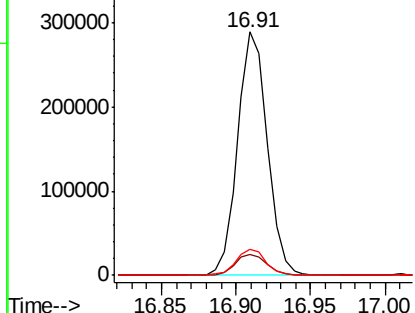
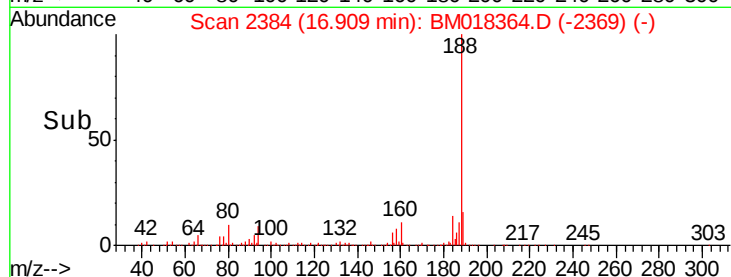


Abundance

Ion 188.00 (187.70 to 188.70): E

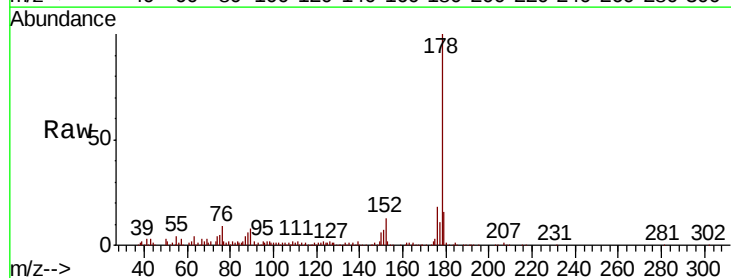
Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71
 Phenanthrene
 Concen: 10.542 ng
 RT: 16.96 min Scan# 2392
 Delta R.T. -0.01 min
 Lab File: BM018364.D
 Acq: 21 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	16.4	12.0	18.0

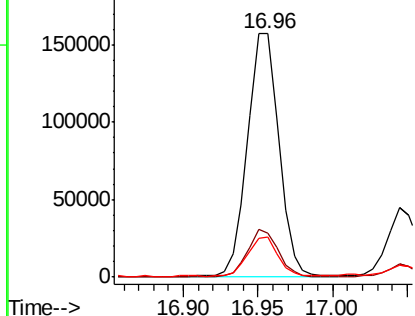
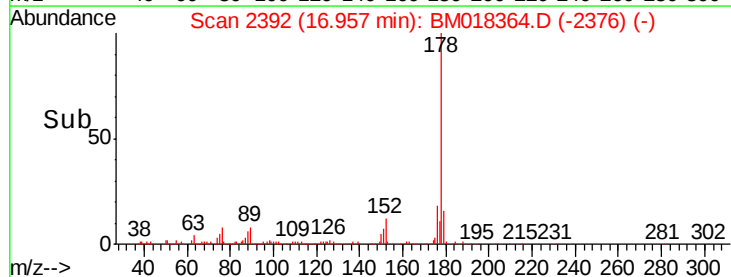


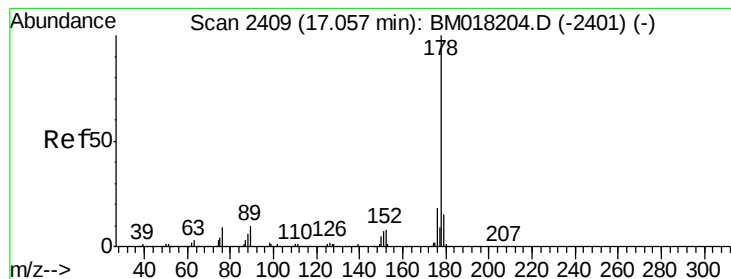
Abundance

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: 2.883 ng

RT: 17.04 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

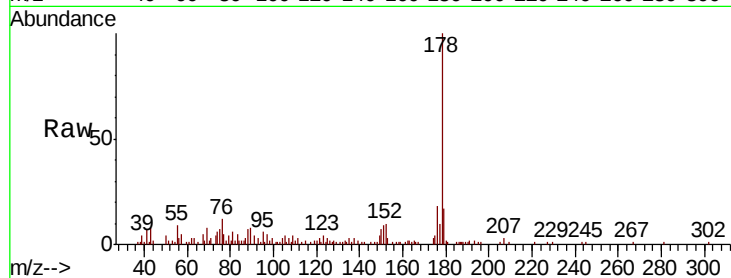
Tgt Ion:178 Resp: 62016

Ion Ratio Lower Upper

178 100

176 18.4 14.3 21.5

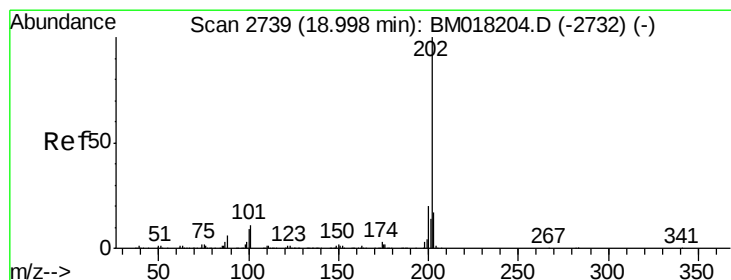
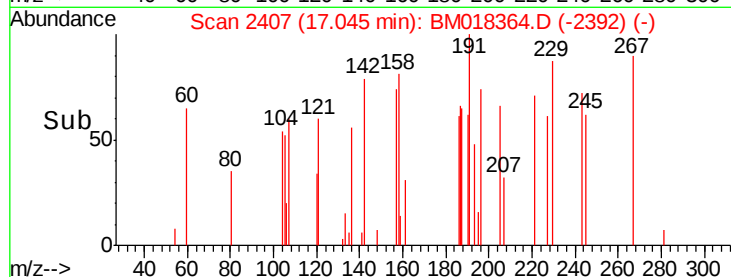
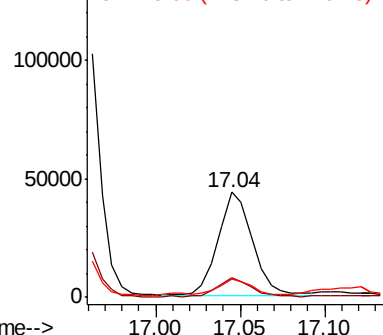
179 17.0 12.0 18.0



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: 6.448 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

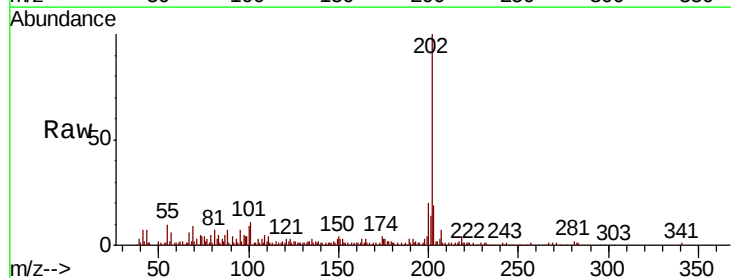
Tgt Ion:202 Resp: 162545

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.5

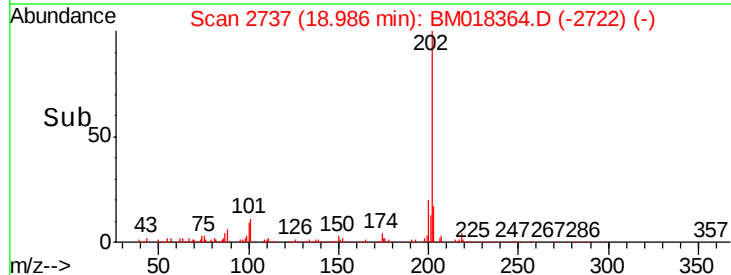
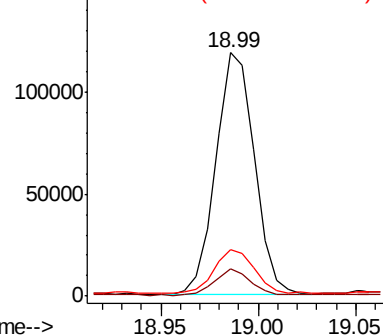
203 19.2 0.0 37.5

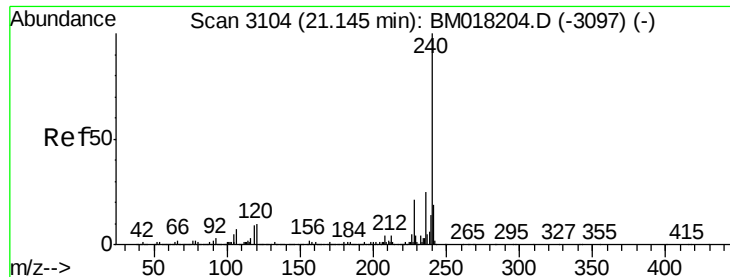


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

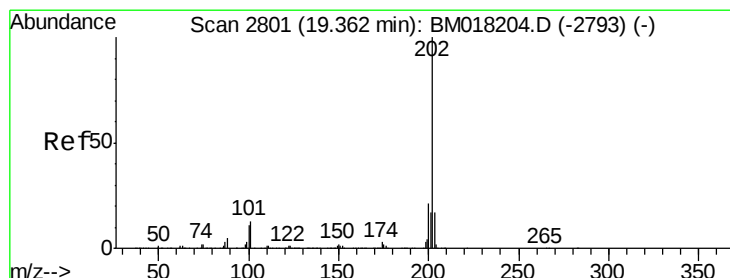
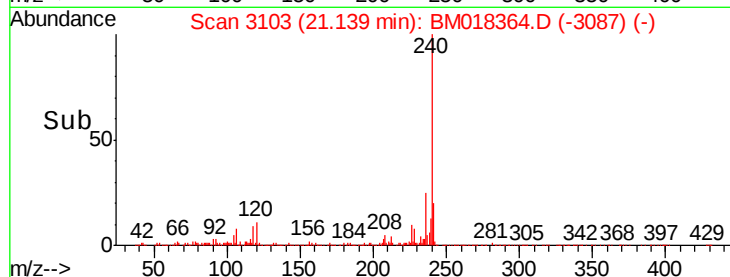
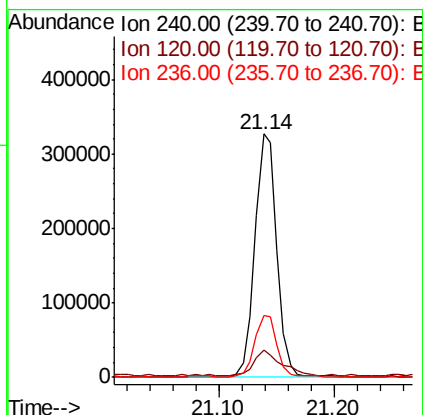
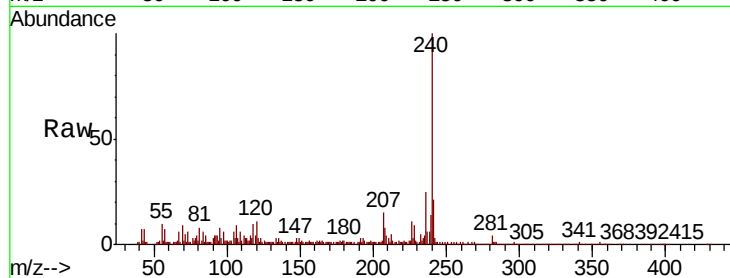




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

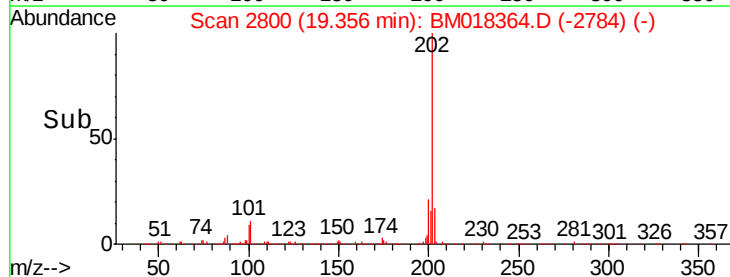
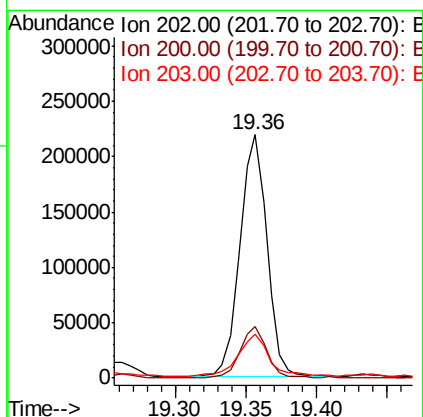
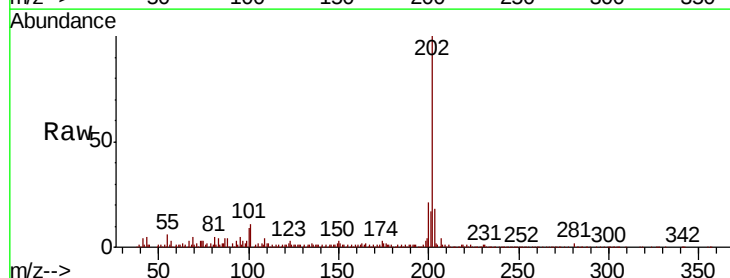
Instrument :
BNA_M
ClientSampleId :
P001-SS008-0006-01

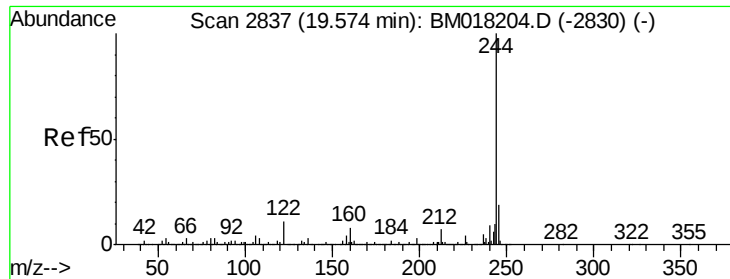
Tgt Ion:240 Resp: 429872
Ion Ratio Lower Upper
240 100
120 11.3 8.2 12.2
236 25.2 20.3 30.5



#78
Pyrene
Concen: 11.416 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018364.D
Acq: 21 Dec 2018 19:27

Tgt Ion:202 Resp: 292417
Ion Ratio Lower Upper
202 100
200 21.1 16.5 24.7
203 18.2 14.0 21.0





#79

Terphenyl-d14

Concen: 55.694 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

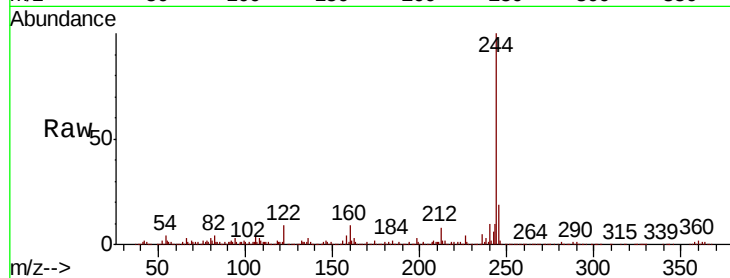
Tgt Ion:244 Resp: 1058577

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

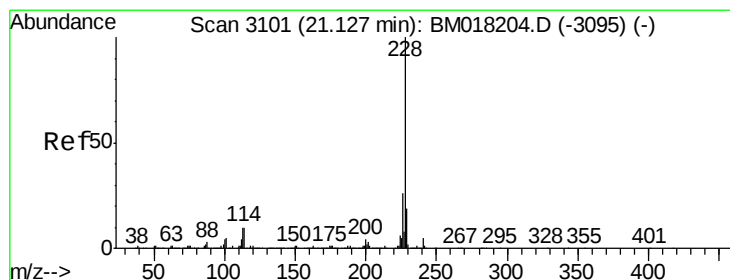
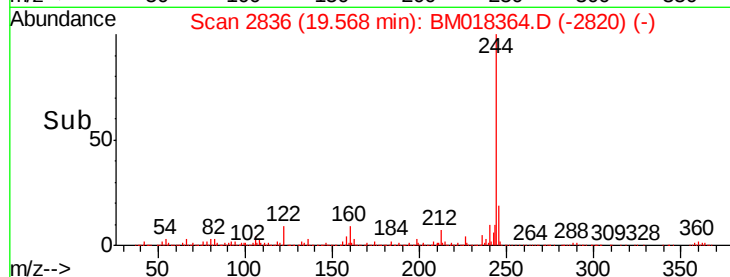
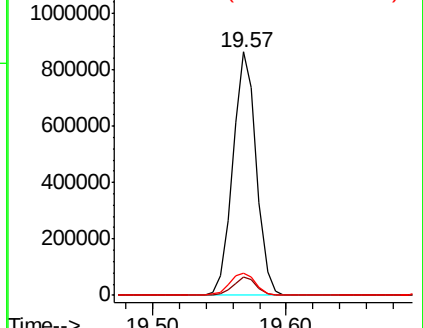
122 9.3 9.0 13.6



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: 4.553 ng

RT: 21.18 min Scan# 3110

Delta R.T. 0.05 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

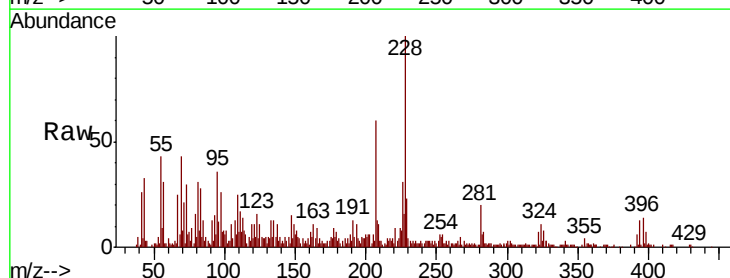
Tgt Ion:228 Resp: 114341

Ion Ratio Lower Upper

228 100

226 30.5 21.0 31.4

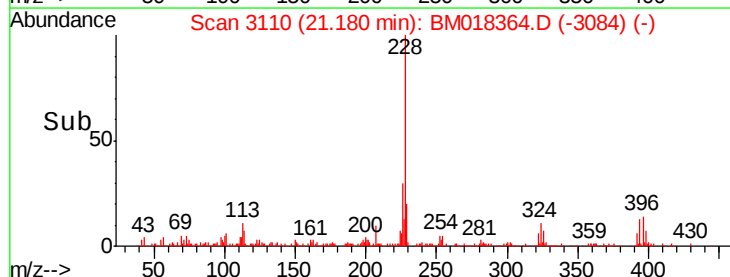
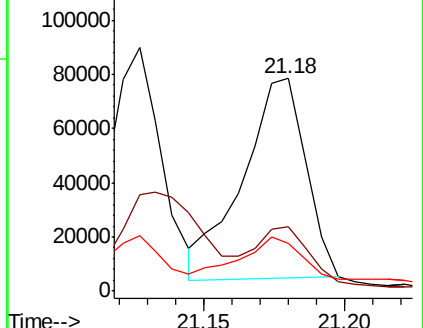
229 22.5 15.5 23.3

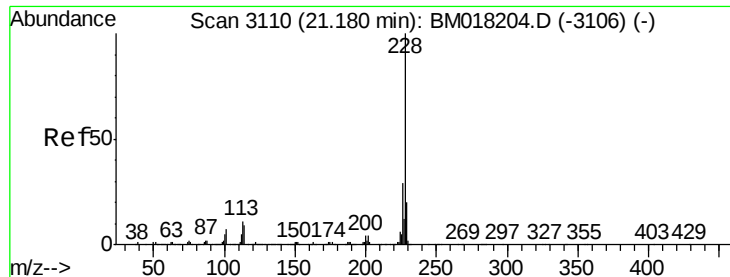


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.189 ng

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

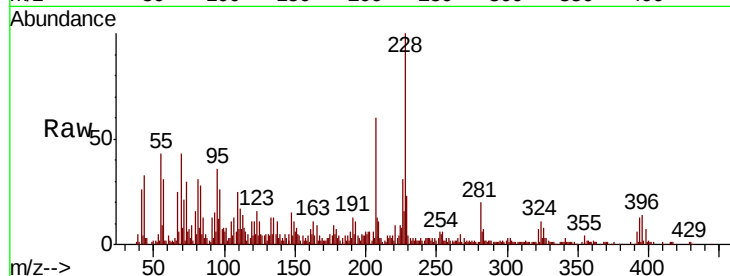
Tgt Ion: 228 Resp: 125326

Ion Ratio Lower Upper

228 100

226 30.5 23.1 34.7

229 22.5 15.8 23.6

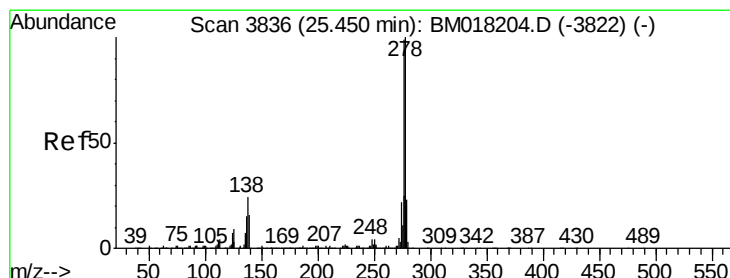
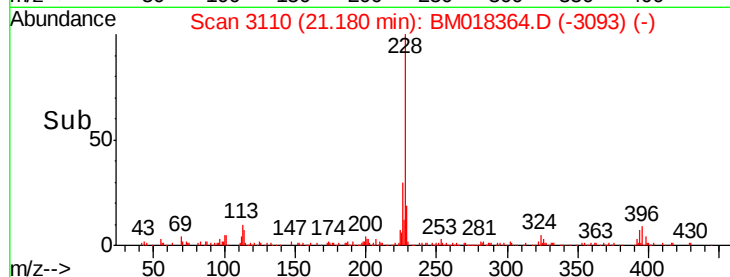
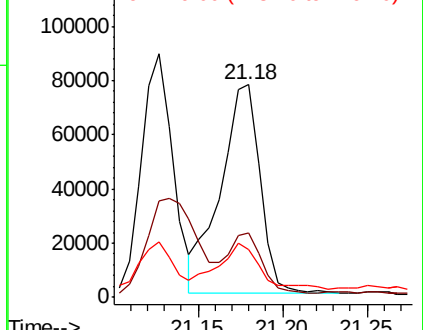


Abundance

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: 3.186 ng

RT: 25.45 min Scan# 3836

Delta R.T. -0.00 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

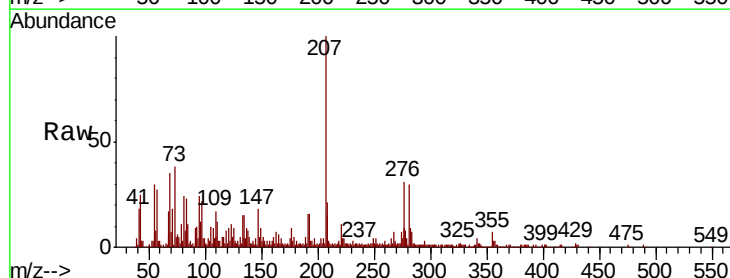
Tgt Ion: 276 Resp: 76649

Ion Ratio Lower Upper

276 100

138 21.6 18.6 28.0

277 24.0 20.3 30.5

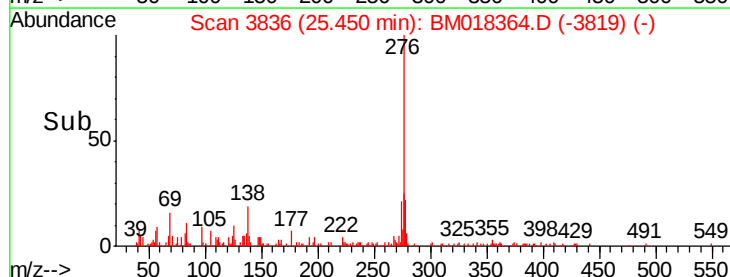
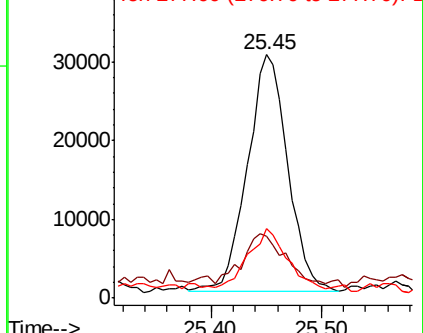


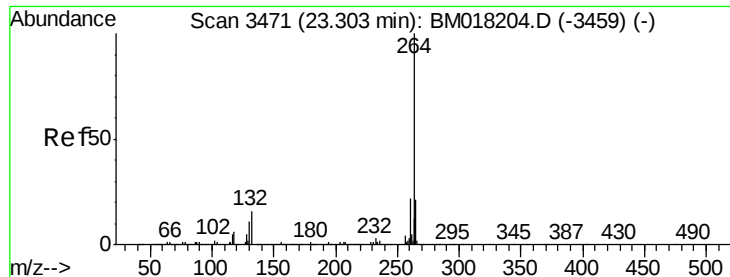
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

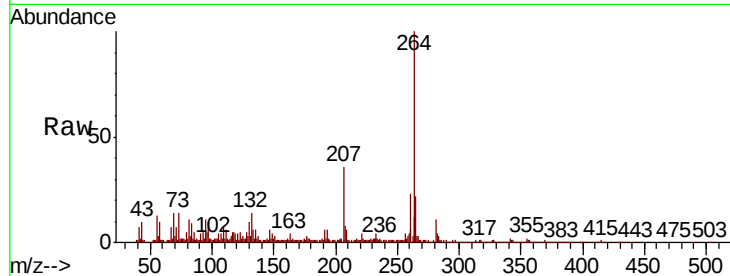
Tgt Ion:264 Resp: 486522

Ion Ratio Lower Upper

264 100

260 23.4 17.5 26.3

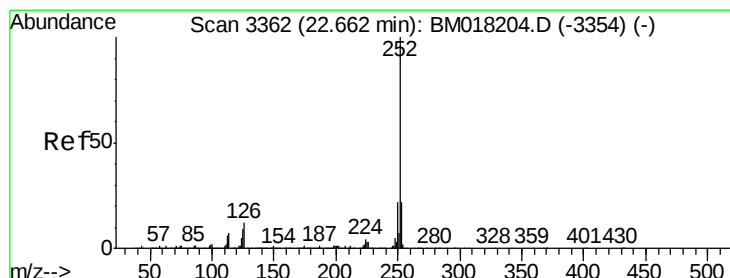
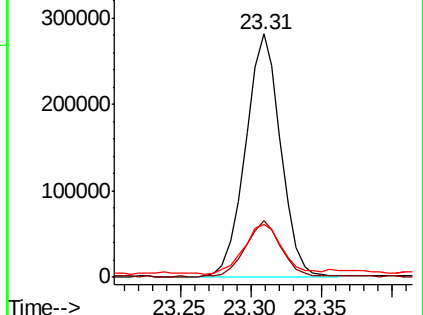
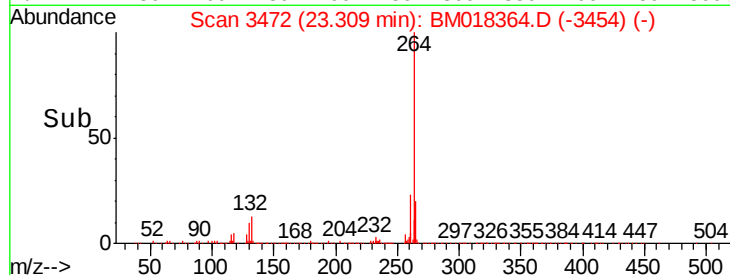
265 21.8 17.3 25.9



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: 5.719 ng

RT: 22.67 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

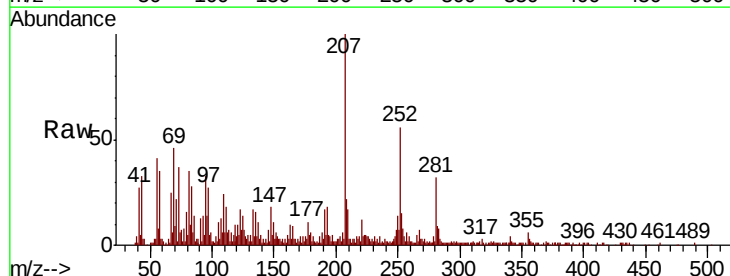
Tgt Ion:252 Resp: 156297

Ion Ratio Lower Upper

252 100

253 26.2 17.6 26.4

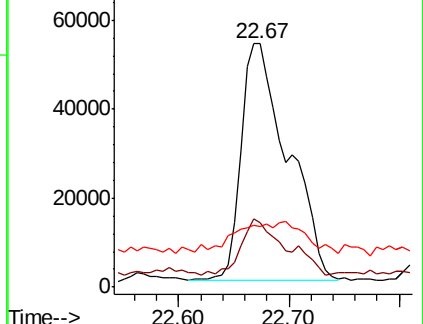
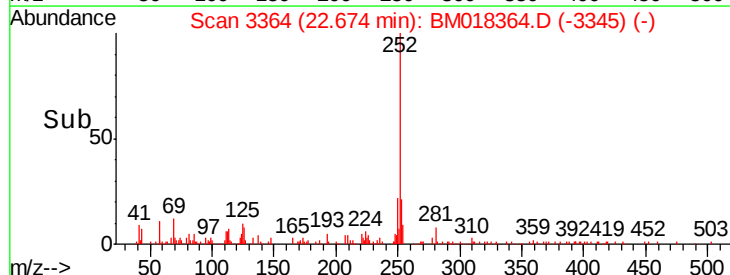
125 24.8 7.4 11.0#

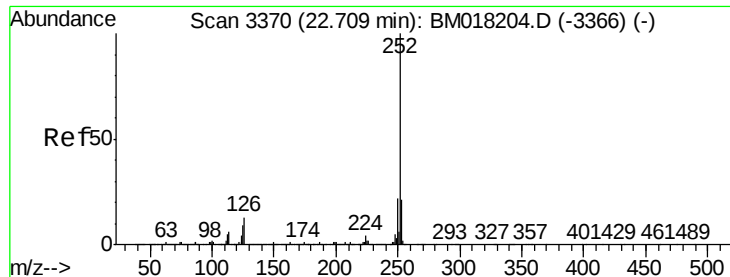


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.734 ng

RT: 22.67 min Scan# 3364

Delta R.T. -0.04 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

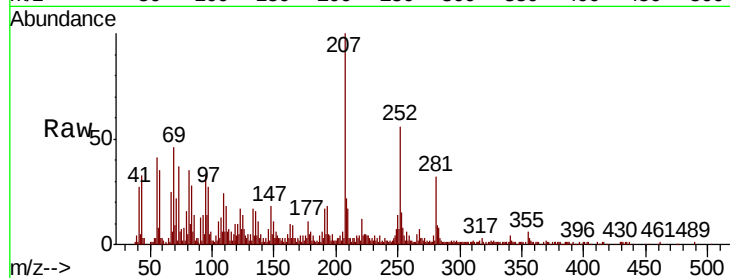
Tgt Ion:252 Resp: 156072

Ion Ratio Lower Upper

252 100

253 26.2 16.9 25.3#

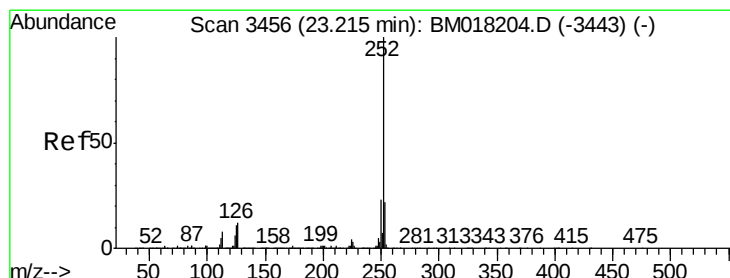
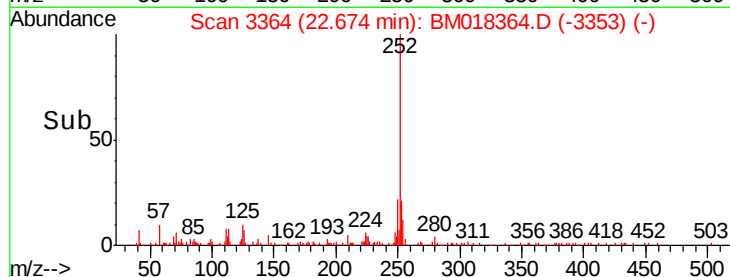
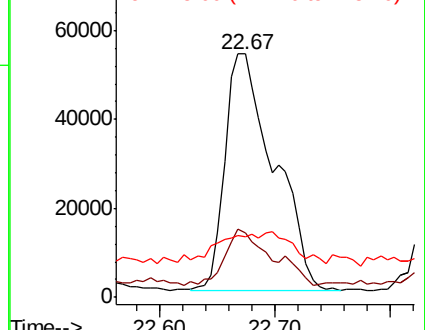
125 24.8 7.5 11.3#



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: 5.152 ng

RT: 23.21 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

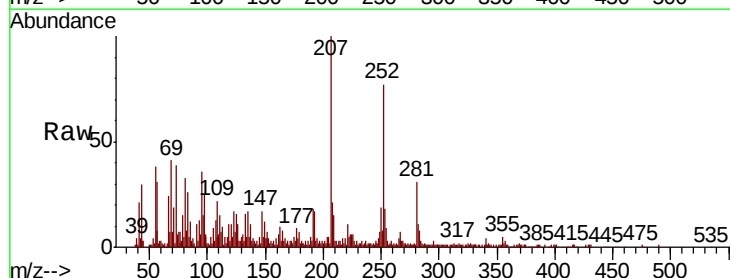
Tgt Ion:252 Resp: 133918

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

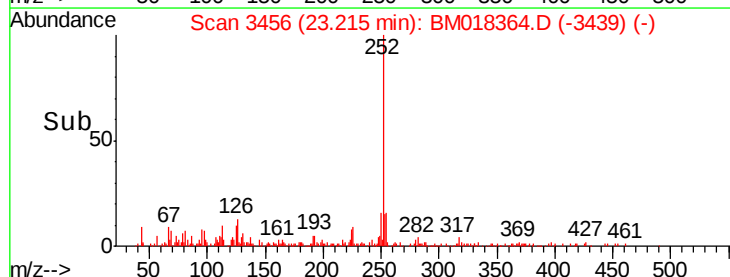
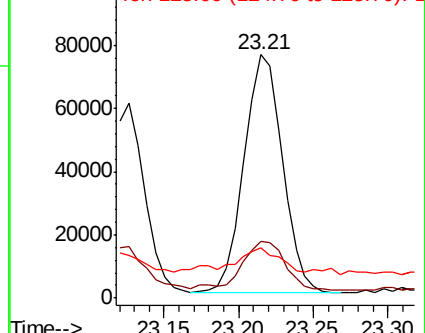
125 20.7 8.6 12.8#

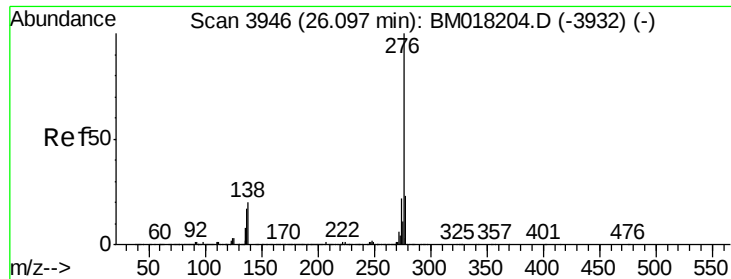


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.909 ng

RT: 26.11 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM018364.D

Acq: 21 Dec 2018 19:27

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0006-01

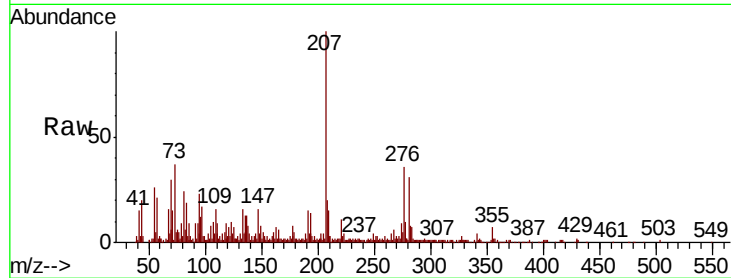
Tgt Ion: 276 Resp: 111732

Ion Ratio Lower Upper

276 100

277 28.5 18.7 28.1#

138 21.2 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

