

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018365.D
 Acq On : 21 Dec 2018 20:03
 Operator : JU/SJ
 Sample : J6389-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013-0612-01

Quant Time: Dec 22 03:50:50 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	101048	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	362682	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	184924	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	374217	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	438758	20.00	ng	0.00
87) Perylene-d12	23.31	264	471177	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	693701	114.68	ng	0.00
7) Phenol-d6	6.70	99	887757	105.59	ng	0.00
23) Nitrobenzene-d5	8.64	82	597423	84.49	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	275076	101.35	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	1077420	75.46	ng	-0.02
79) Terphenyl-d14	19.57	244	1335716	68.85	ng	0.00

Target Compounds

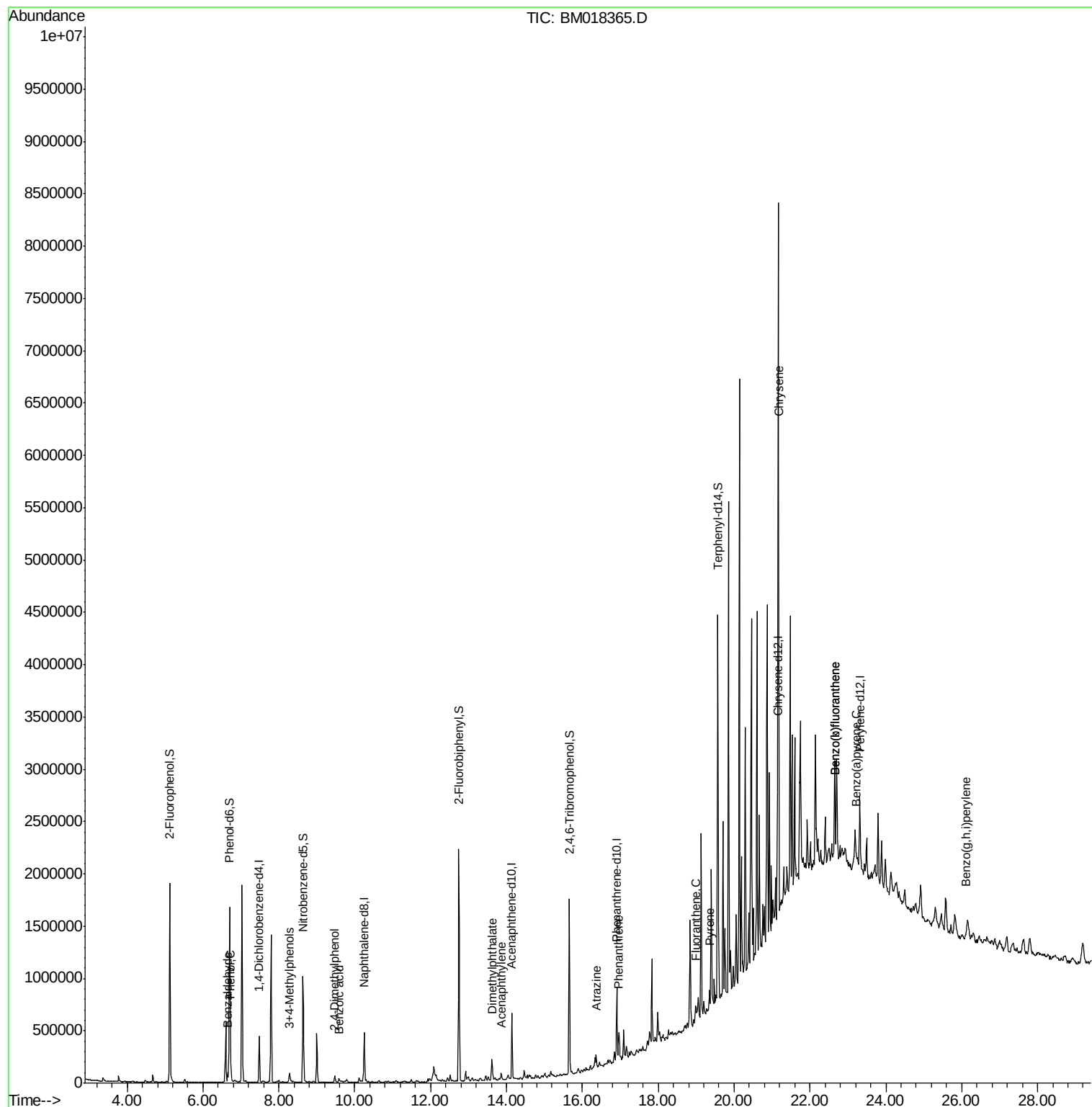
						Qvalue
9) Benzaldehyde	6.65	77	33504	6.538	ng	# 79
10) Phenol	6.73	94	101709	11.423	ng	92
20) 3+4-Methylphenols	8.29	107	48792	5.857	ng	94
27) 2,4-Dimethylphenol	9.47	122	20993	4.204	ng	95
32) Benzoic acid	9.59	122	15321	3.240	ng	86
49) Acenaphthylene	13.86	152	38185	2.069	ng	# 94
50) Dimethylphthalate	13.62	163	99748	6.488	ng	97
69) Atrazine	16.37	200	15831	3.789	ng	# 45
71) Phenanthrene	16.95	178	109217	5.373	ng	99
75) Fluoranthene	18.99	202	67965	2.876	ng	92
78) Pyrene	19.36	202	122405	4.682	ng	97
83) Chrysene	21.18	228	56348	2.286	ng	# 80
88) Benzo(b)fluoranthene	22.67	252	69342	2.620	ng	# 43
89) Benzo(k)fluoranthene	22.67	252	66829	2.535	ng	# 41
90) Benzo(a)pyrene	23.22	252	55815	2.217	ng	# 67
92) Benzo(g,h,i)perylene	26.11	276	45420	2.061	ng	# 92

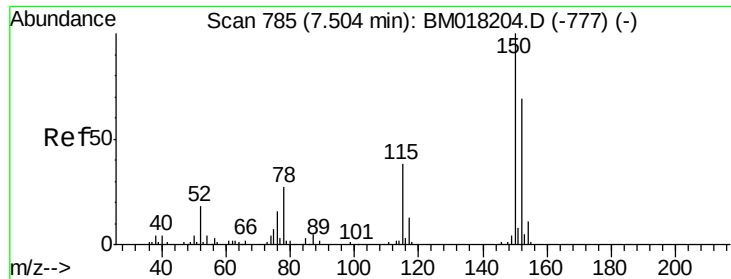
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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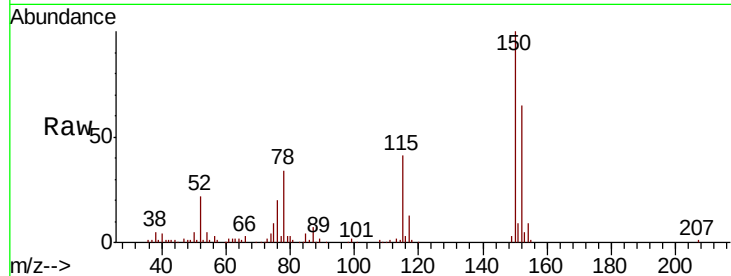


#1

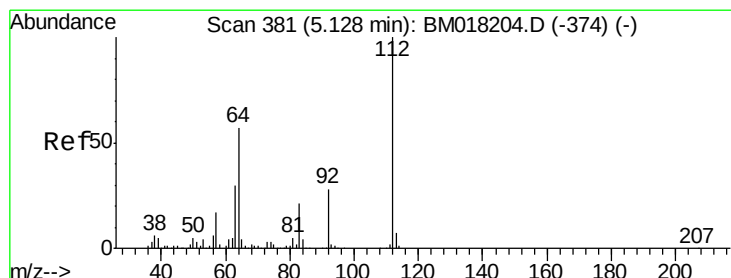
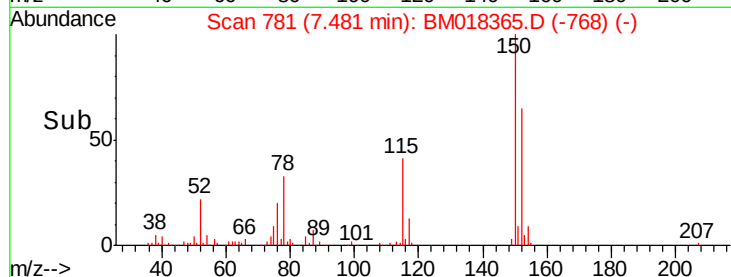
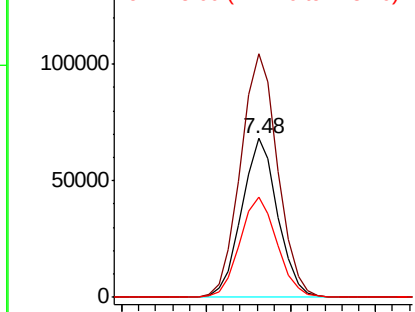
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

Tgt Ion:152 Resp: 101048
Ion Ratio Lower Upper
152 100
150 153.4 116.1 174.1
115 63.3 44.6 67.0



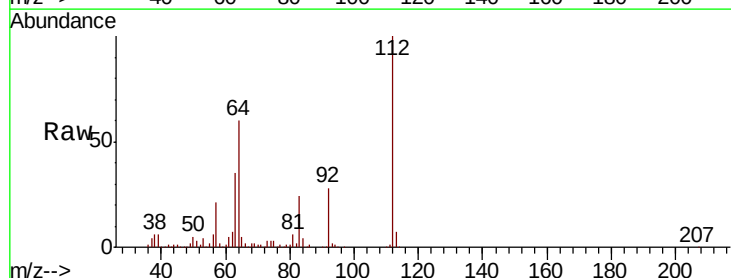
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



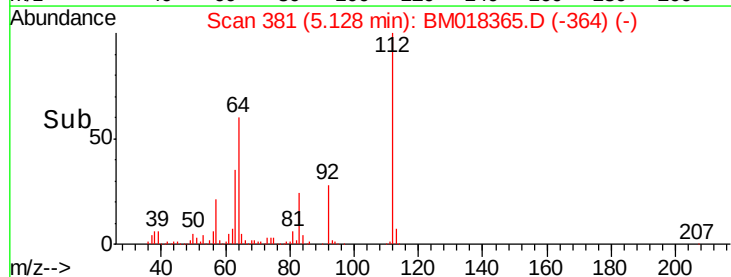
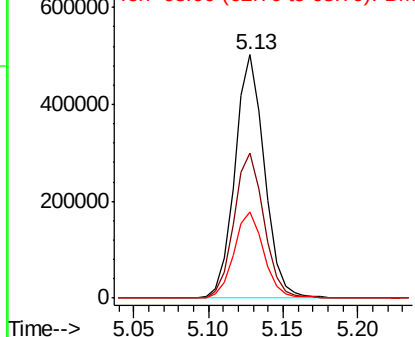
#5

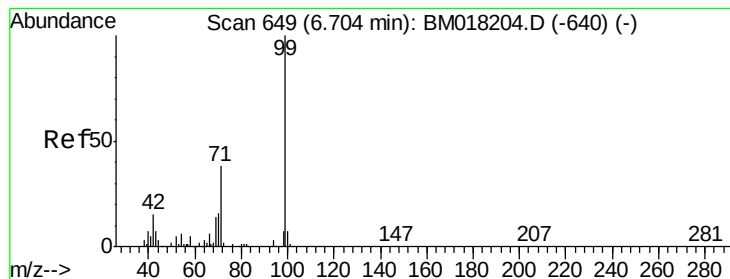
2-Fluorophenol
Concen: 114.680 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion:112 Resp: 693701
Ion Ratio Lower Upper
112 100
64 59.7 45.4 68.2
63 35.1 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: 105.589 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

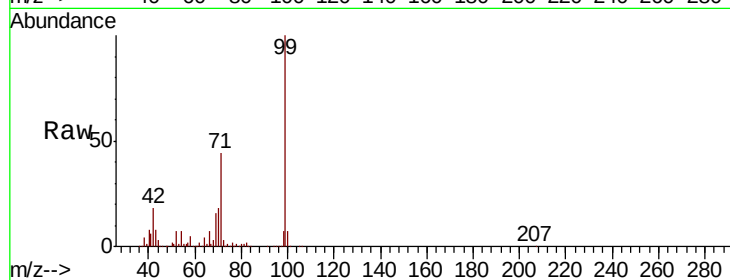
Tgt Ion: 99 Resp: 887757

Ion Ratio Lower Upper

99 100

42 17.8 12.3 18.5

71 44.2 30.2 45.2

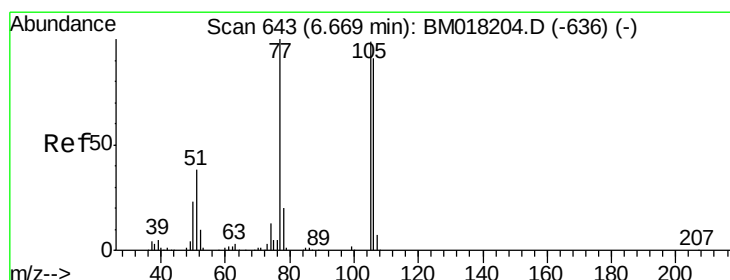
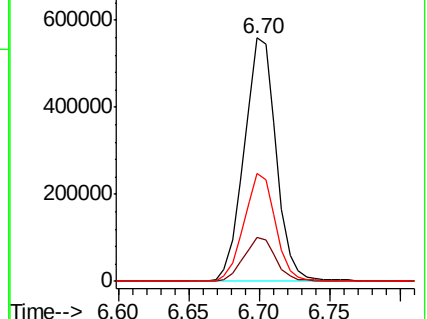
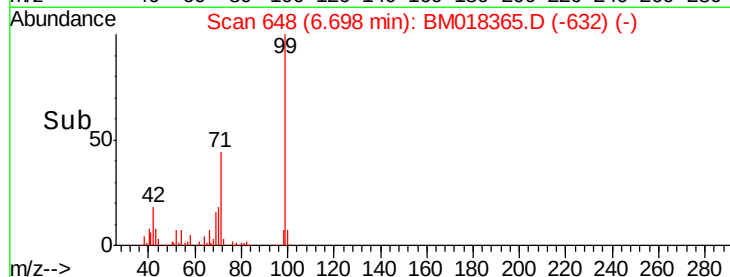


Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

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

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

Time--> 6.60 6.65 6.70 6.75



#9

Benzaldehyde

Concen: 6.538 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

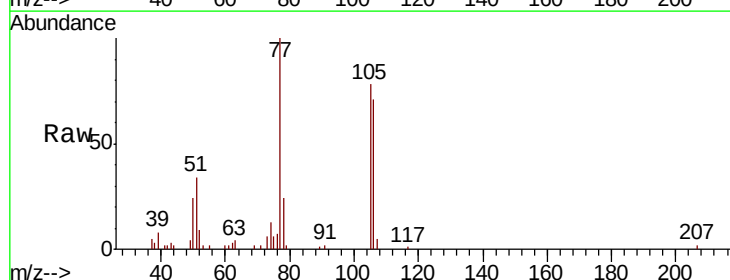
Tgt Ion: 77 Resp: 33504

Ion Ratio Lower Upper

77 100

105 78.1 78.8 118.8#

106 70.9 70.7 110.7

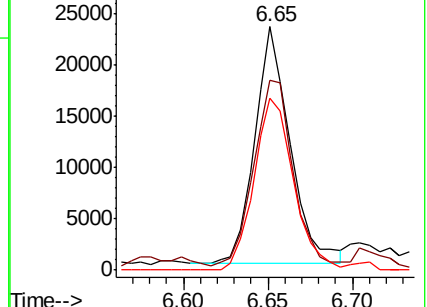
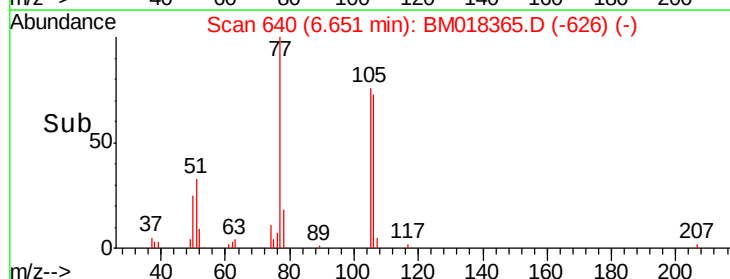


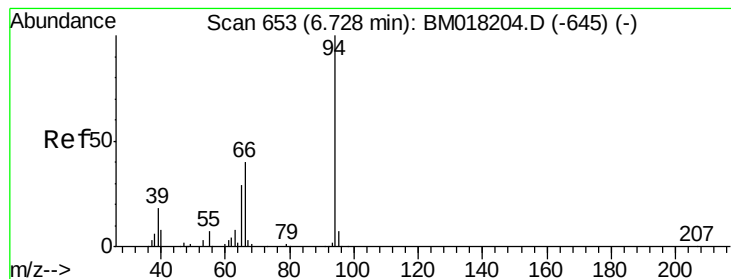
Abundance Ion 77.00 (76.70 to 77.70): BM018204.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM018204.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM018204.D (-636) (-)

Time--> 6.60 6.65 6.70 6.75





#10

Phenol

Concen: 11.423 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

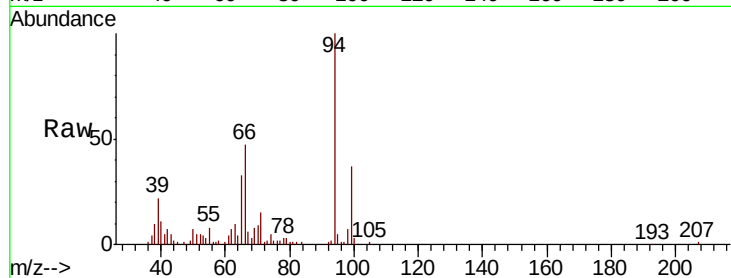
Tgt Ion: 94 Resp: 101709

Ion Ratio Lower Upper

94 100

65 32.8 9.5 49.5

66 47.5 21.3 61.3

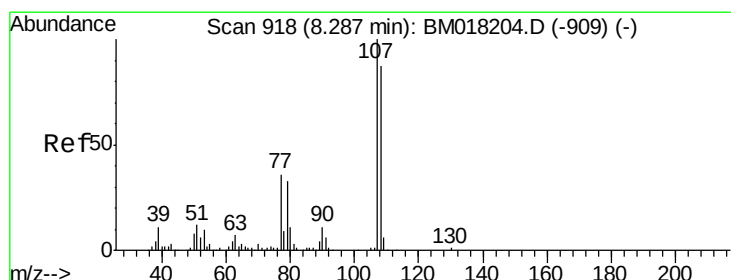
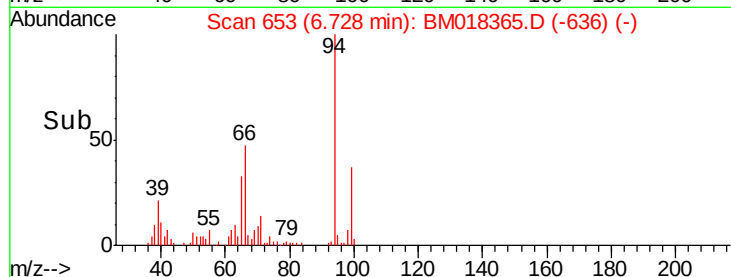
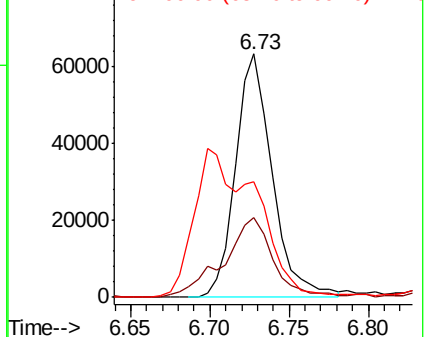


Abundance

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: 5.857 ng

RT: 8.29 min Scan# 918

Delta R.T. -0.00 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Tgt Ion: 107 Resp: 48792

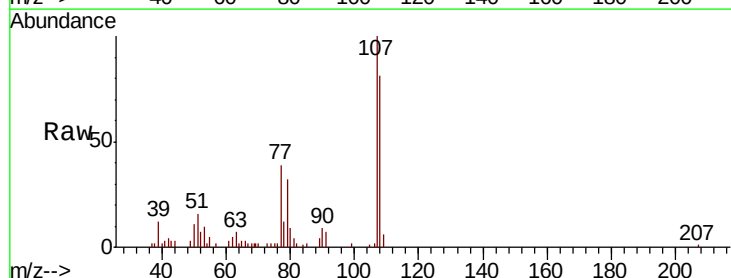
Ion Ratio Lower Upper

107 100

108 80.8 67.4 107.4

77 39.1 15.7 55.7

79 32.2 13.3 53.3



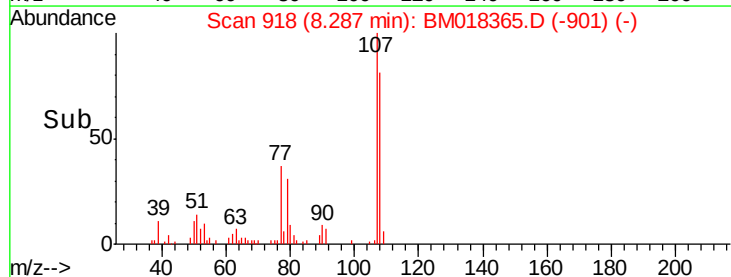
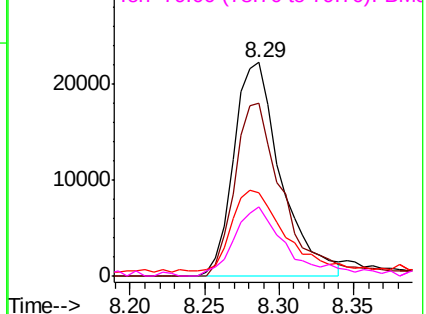
Abundance

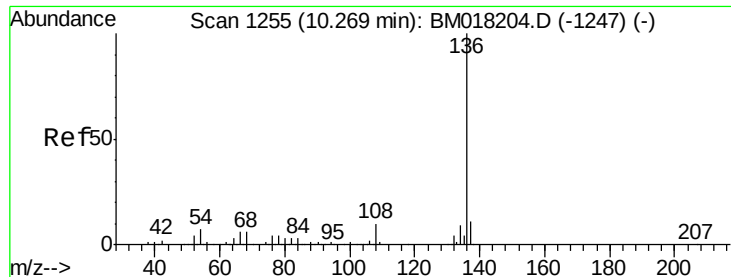
Ion 107.00 (106.70 to 107.70): BM018204.D (-909) (-)

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) (-)

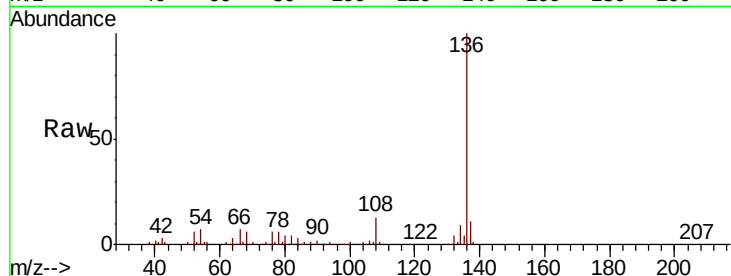




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

Tgt Ion:	136	Resp:	362682
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.1	5.2	7.8
68	6.0	5.0	7.6



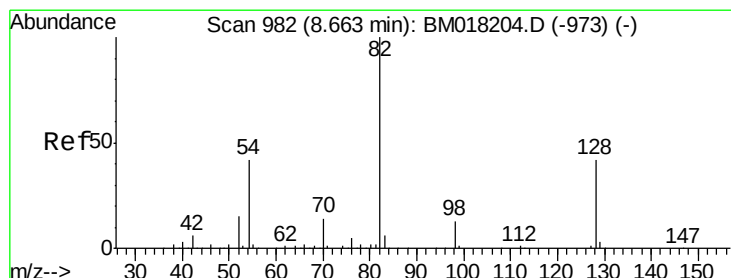
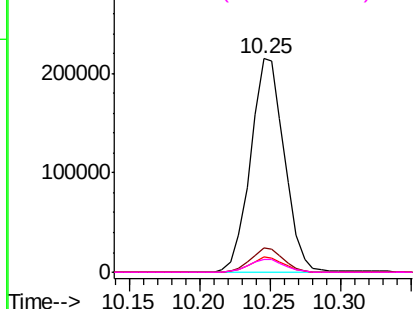
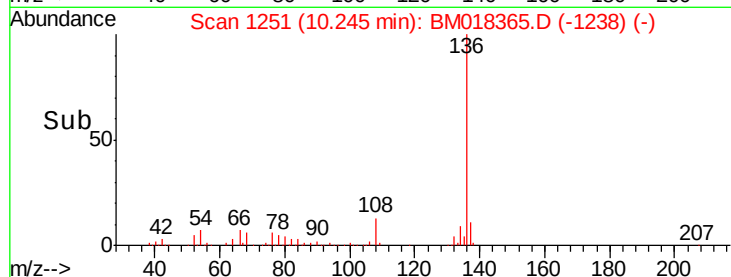
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

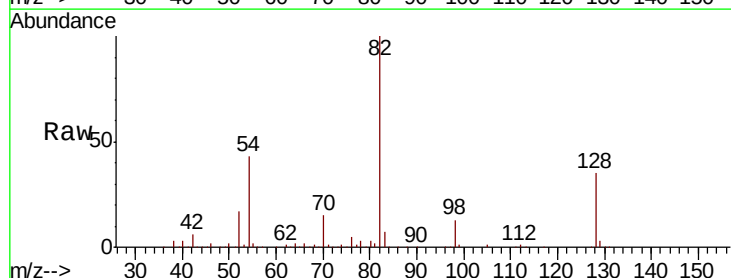
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23
Nitrobenzene-d5
Concen: 84.493 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion:	82	Resp:	597423
Ion	Ratio	Lower	Upper
82	100		
128	35.0	33.4	50.2
54	43.1	33.4	50.2

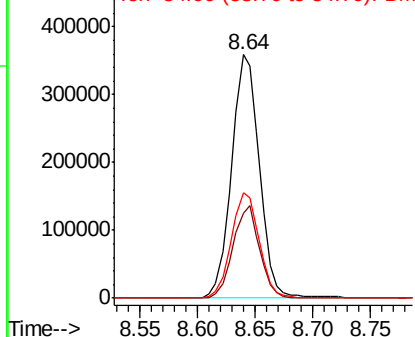
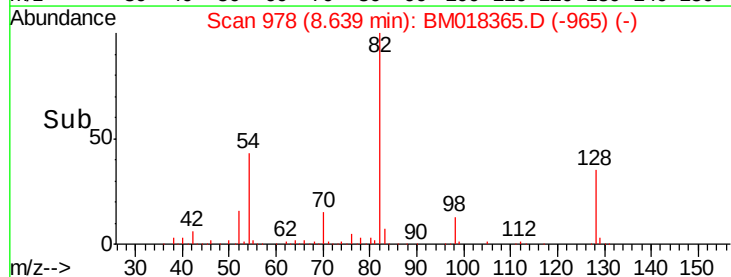


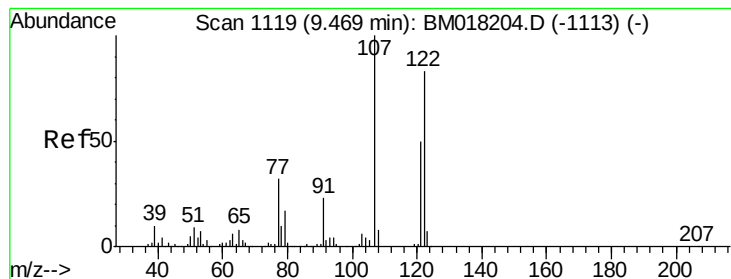
Abundance

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

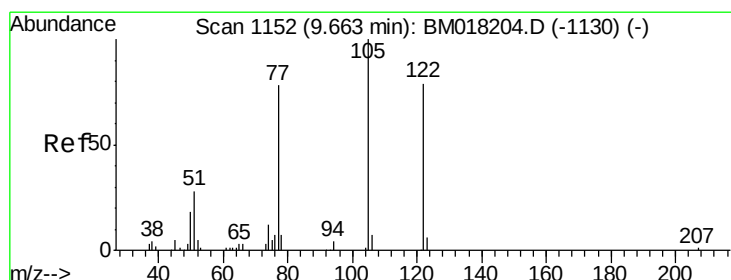
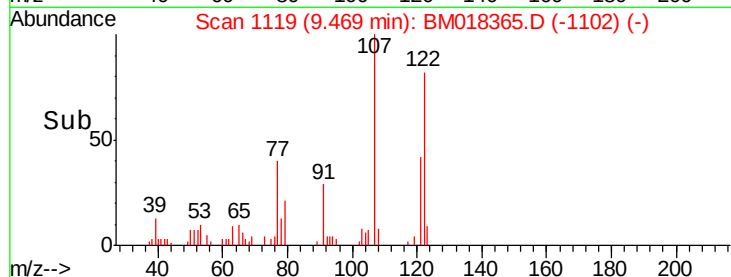
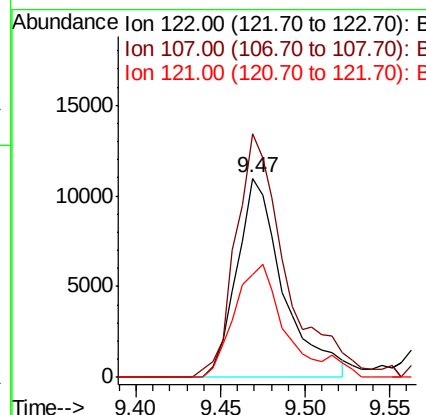
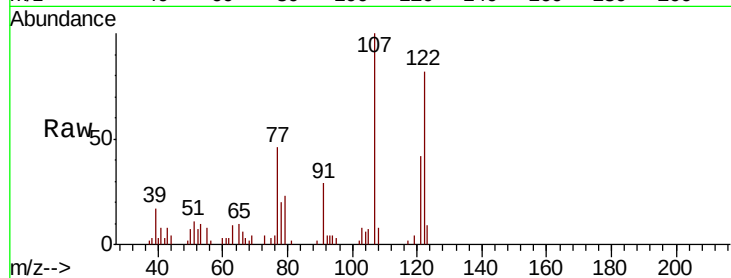




#27
2,4-Dimethylphenol
Concen: 4.204 ng
RT: 9.47 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

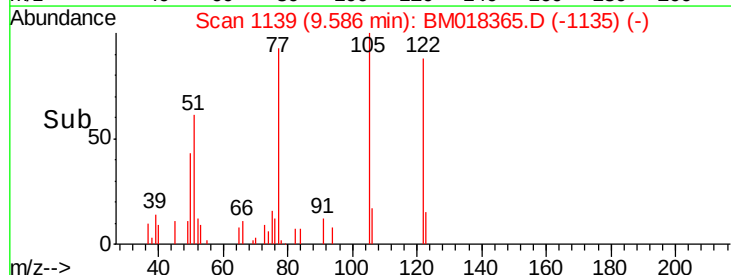
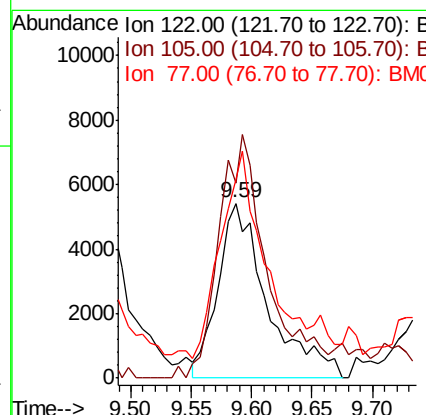
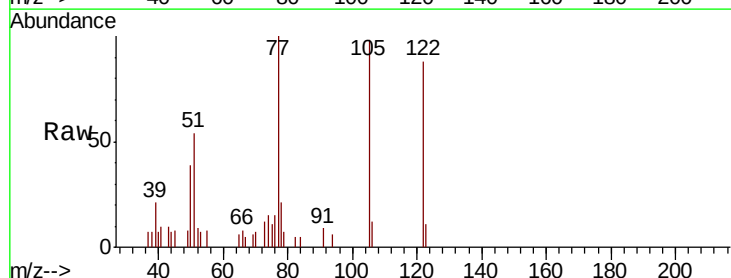
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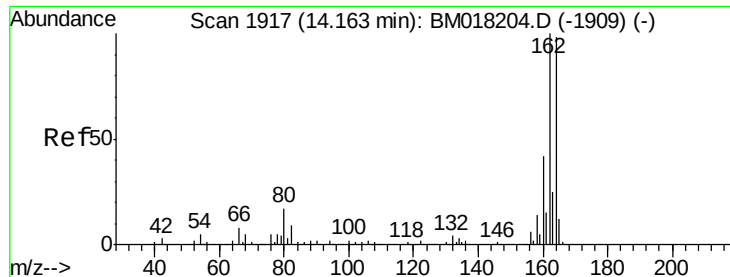
Tgt Ion:122 Resp: 20993
Ion Ratio Lower Upper
122 100
107 122.4 96.5 144.7
121 51.9 48.2 72.4



#32
Benzoic acid
Concen: 3.240 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion:122 Resp: 15321
Ion Ratio Lower Upper
122 100
105 111.9 104.8 144.8
77 113.8 77.7 117.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.15 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

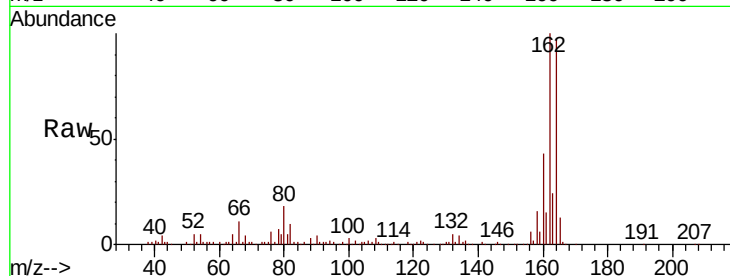
Tgt Ion:164 Resp: 184924

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.6

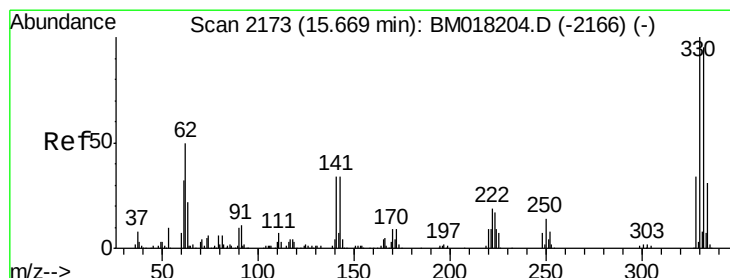
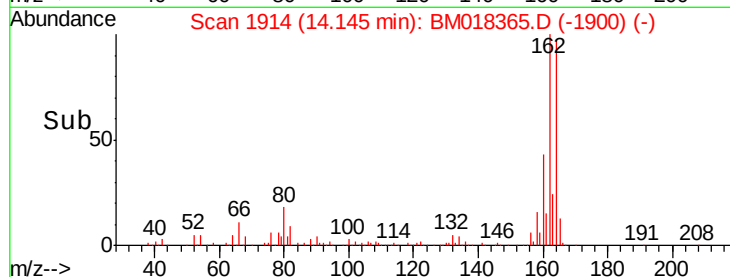
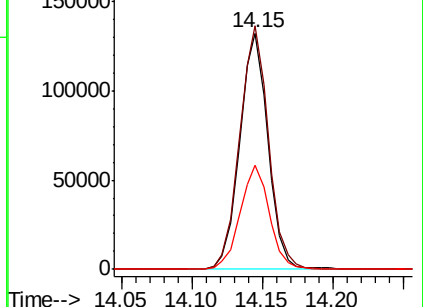
160 43.9 34.6 51.8



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: 101.348 ng

RT: 15.66 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

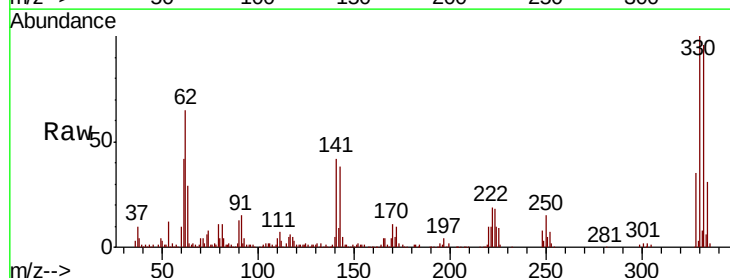
Tgt Ion:330 Resp: 275076

Ion Ratio Lower Upper

330 100

332 96.6 78.6 118.0

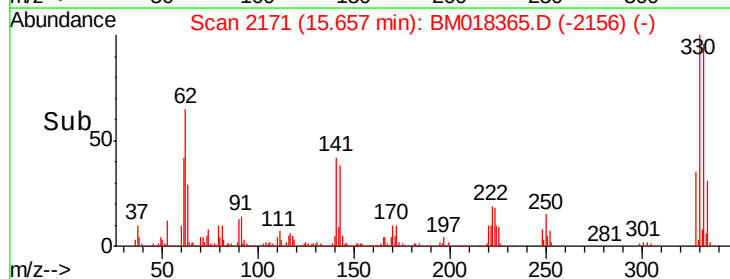
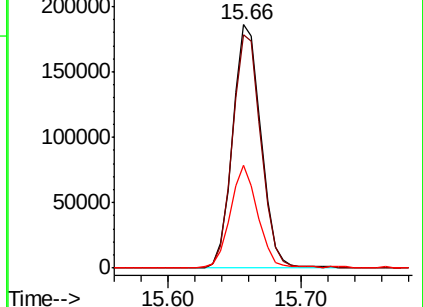
141 40.3 27.1 40.7

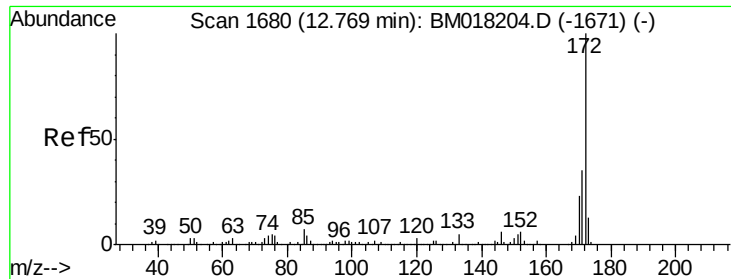


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

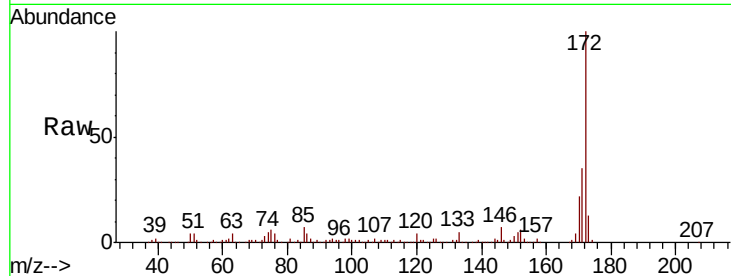




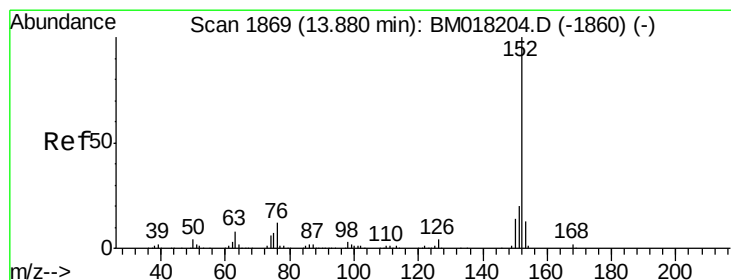
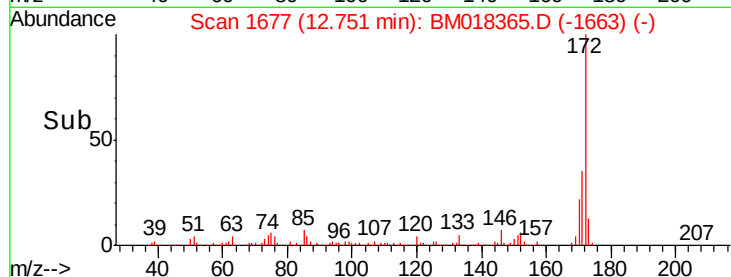
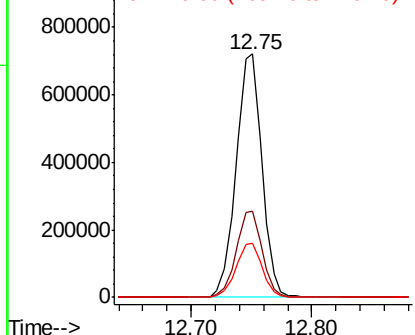
#45
2-Fluorobiphenyl
Concen: 75.464 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

Tgt Ion:172 Resp: 1077420
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 22.4 18.1 27.1

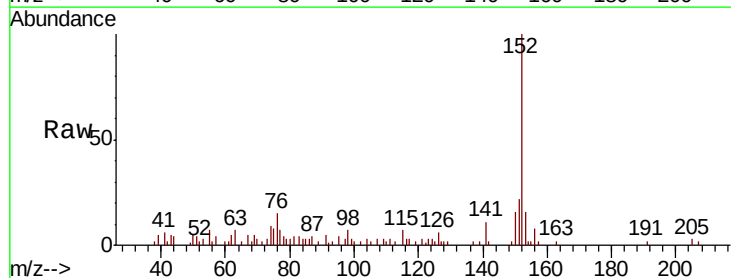


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

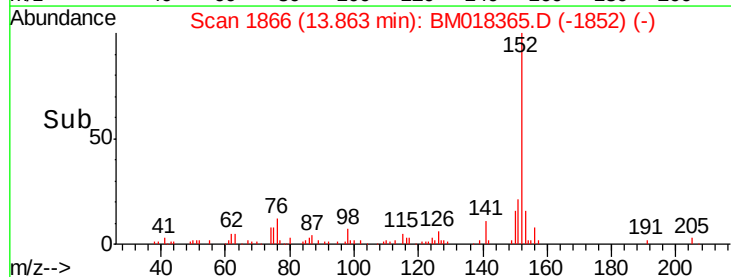
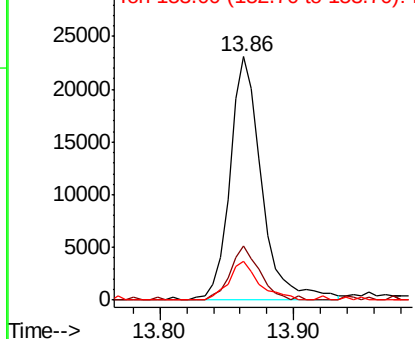


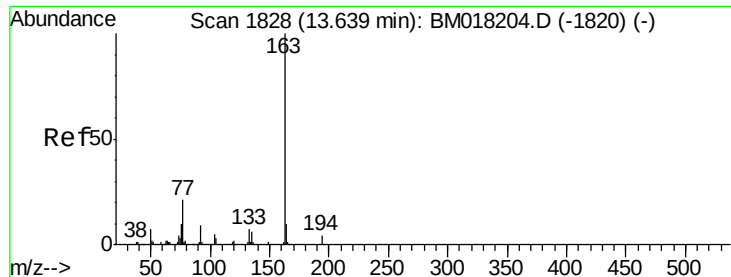
#49
Acenaphthylene
Concen: 2.069 ng
RT: 13.86 min Scan# 1866
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion:152 Resp: 38185
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 16.2 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: 6.488 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

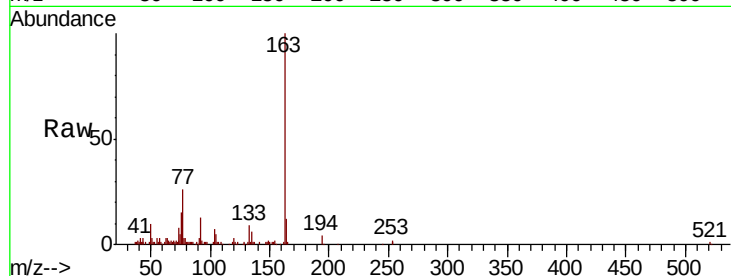
Tgt Ion:163 Resp: 99748

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

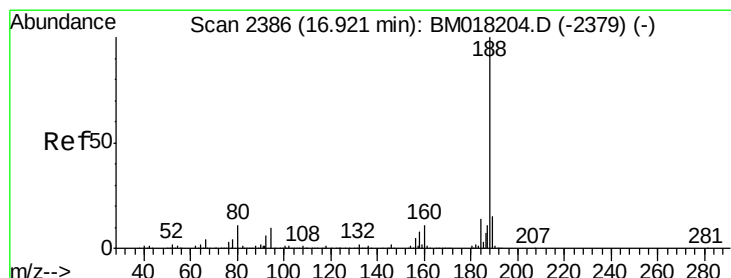
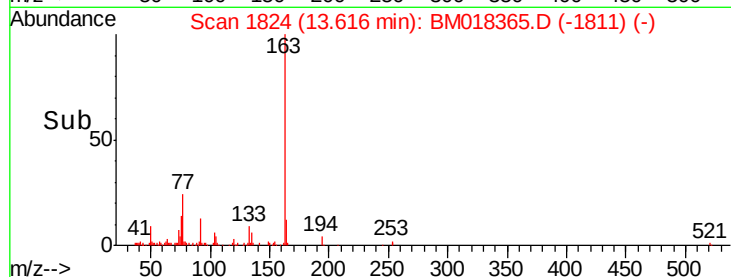
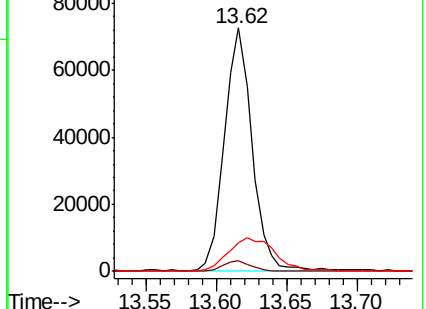
164 11.5 7.9 11.9



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: BM018365.D

Acq: 21 Dec 2018 20:03

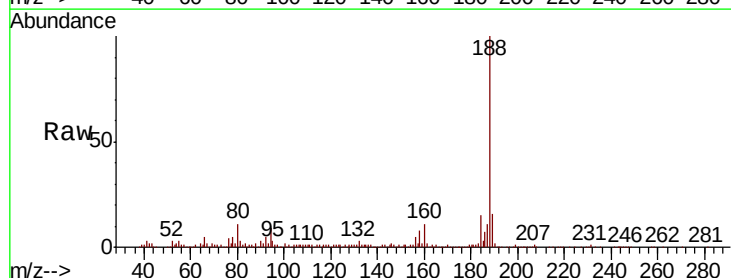
Tgt Ion:188 Resp: 374217

Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

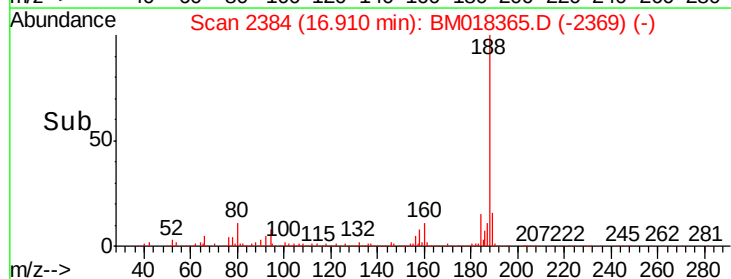
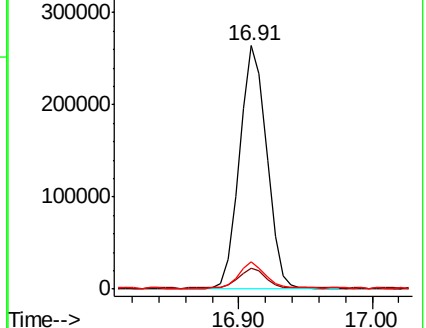
80 11.2 9.0 13.6

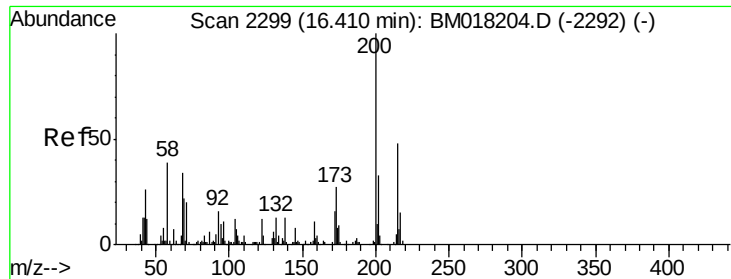


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

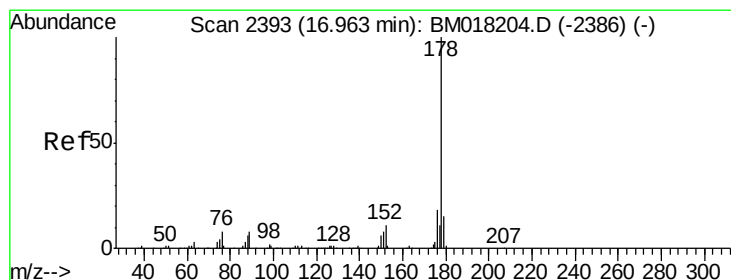
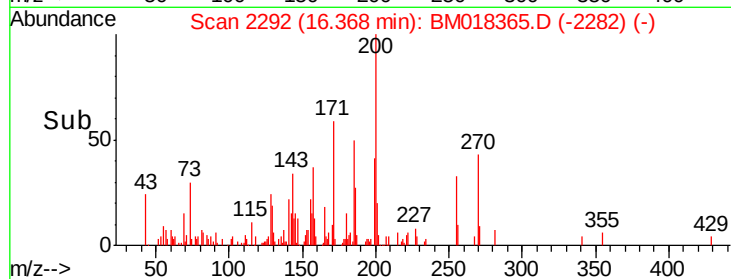
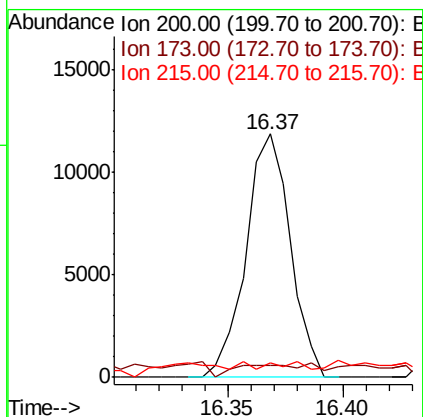
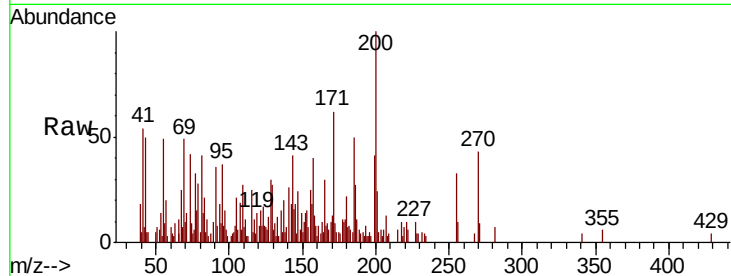




#69
Atrazine
Concen: 3.789 ng
RT: 16.37 min Scan# 2292
Delta R.T. -0.04 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

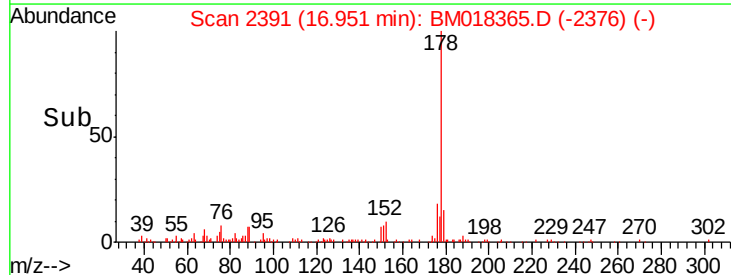
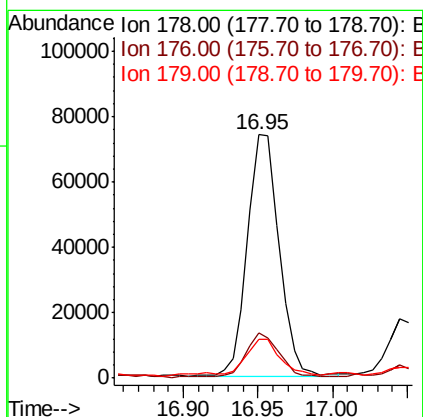
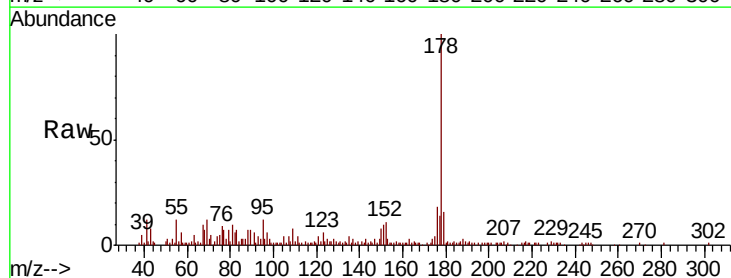
Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

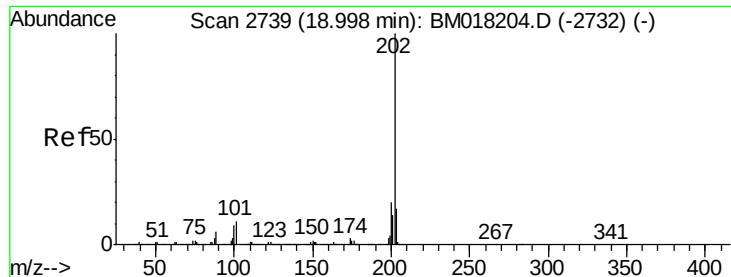
Tgt Ion:200 Resp: 15831
Ion Ratio Lower Upper
200 100
173 5.1 6.9 46.9#
215 5.9 27.9 67.9#



#71
Phenanthrene
Concen: 5.373 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion:178 Resp: 109217
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.9 12.0 18.0

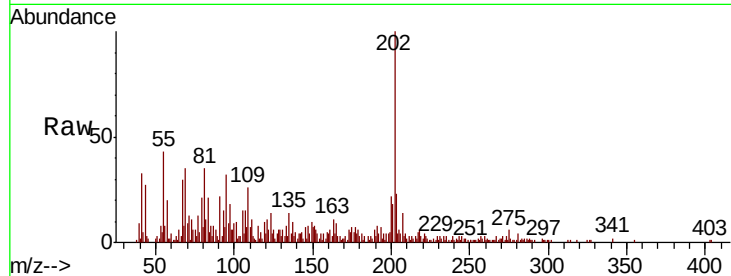




#75
Fluoranthene
Concen: 2.876 ng
RT: 18.99 min Scan# 2738
Delta R.T. -0.01 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	22.9	0.0	37.5

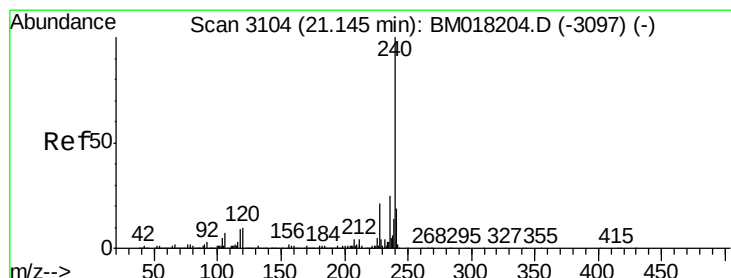
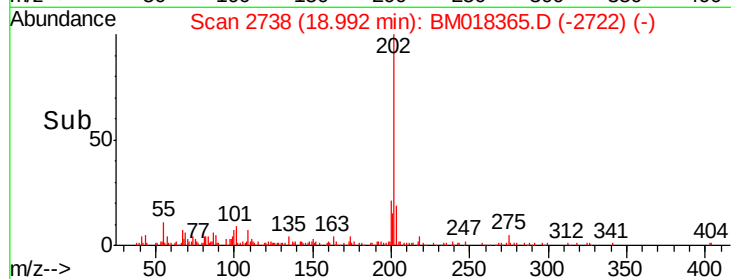
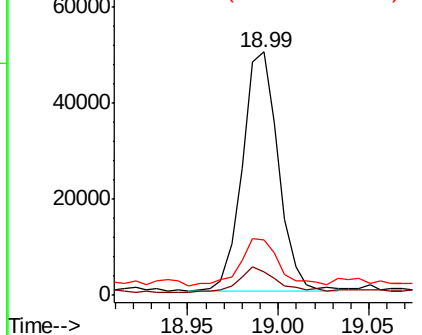


Abundance

Ion 202.00 (201.70 to 202.70): E

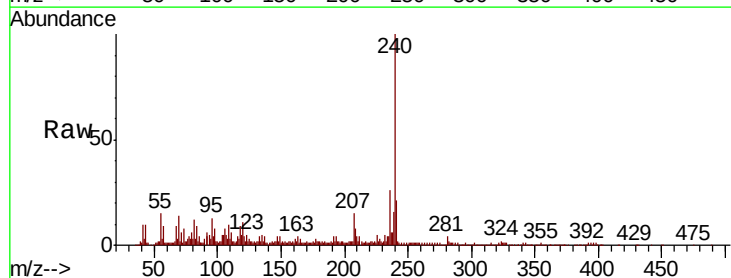
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	26.2	20.3	30.5

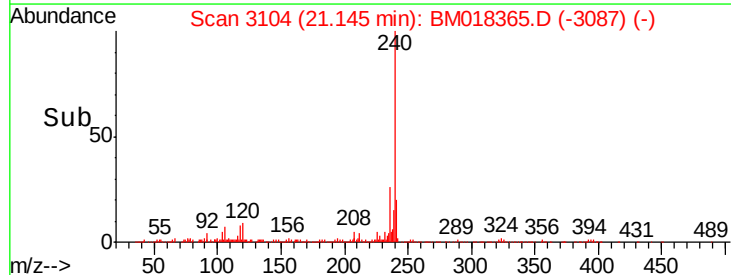
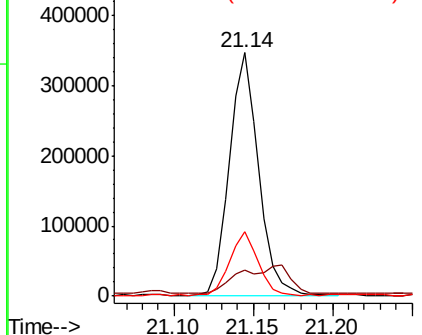


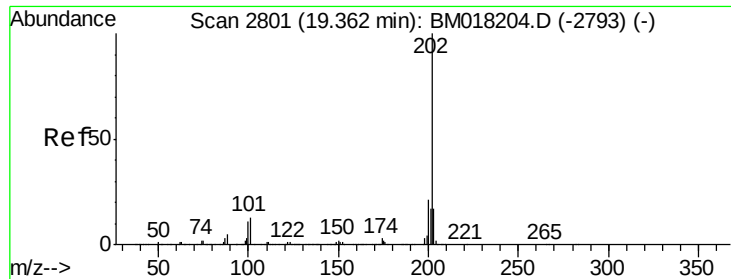
Abundance

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: 4.682 ng

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

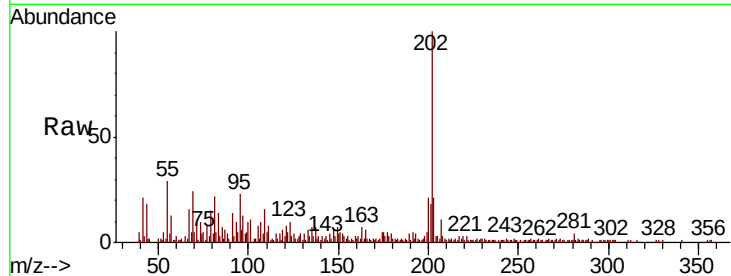
Tgt Ion: 202 Resp: 122405

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 20.6 14.0 21.0

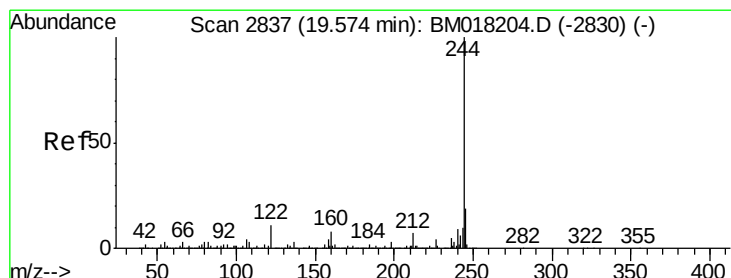
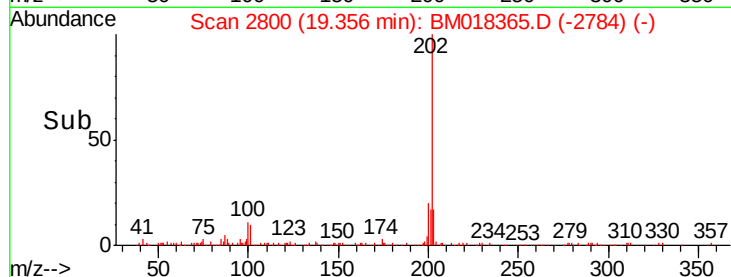
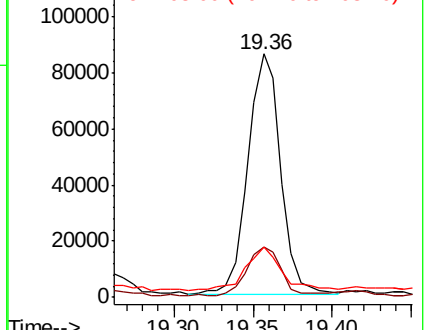


Abundance

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: 68.852 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

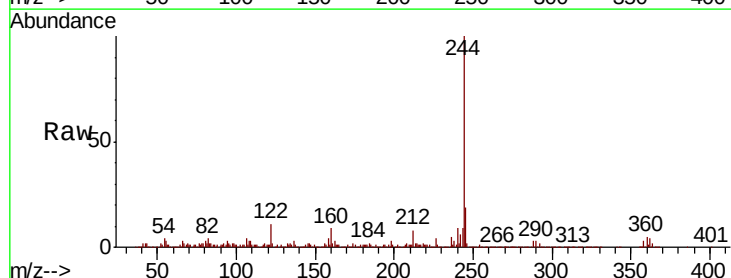
Tgt Ion: 244 Resp: 1335716

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 10.8 9.0 13.6

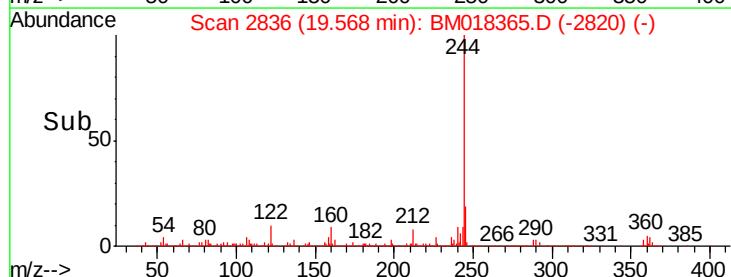
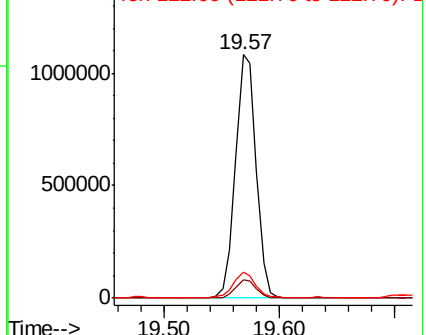


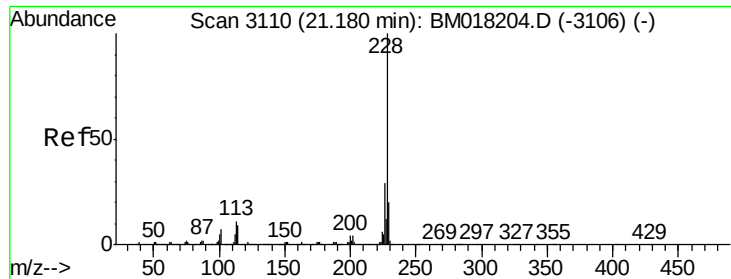
Abundance

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





#83

Chrysene

Concen: 2.286 ng

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

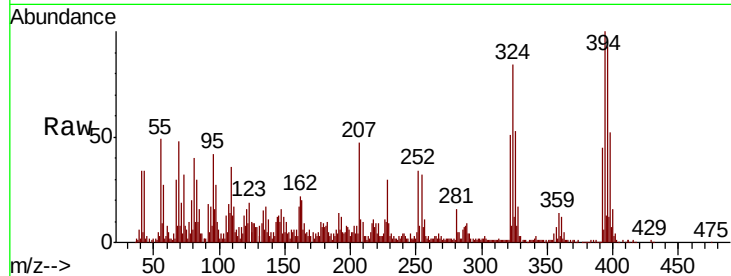
Tgt Ion:228 Resp: 56348

Ion Ratio Lower Upper

228 100

226 37.2 23.1 34.7#

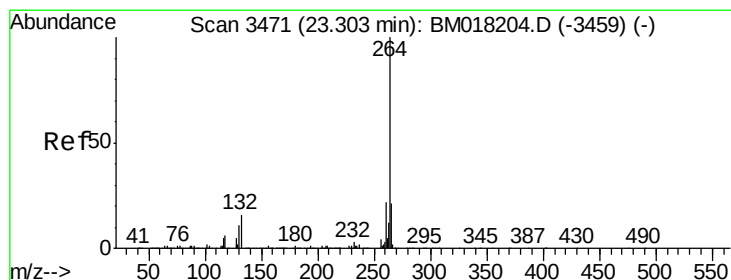
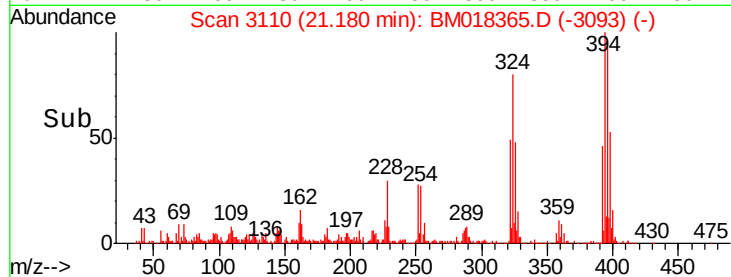
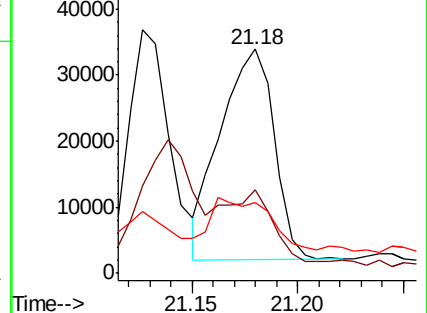
229 31.9 15.8 23.6#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

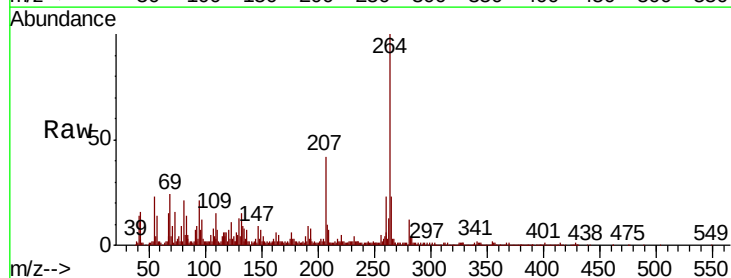
Tgt Ion:264 Resp: 471177

Ion Ratio Lower Upper

264 100

260 22.6 17.5 26.3

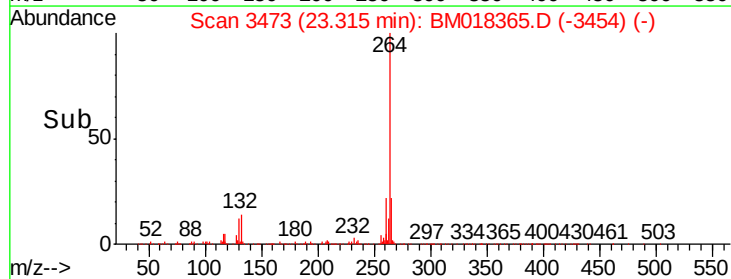
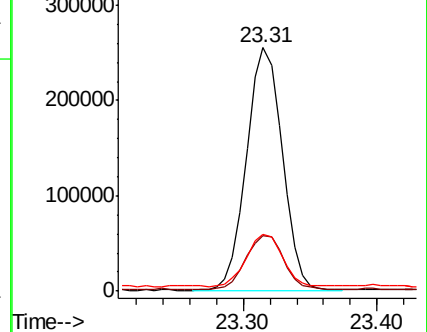
265 23.4 17.3 25.9

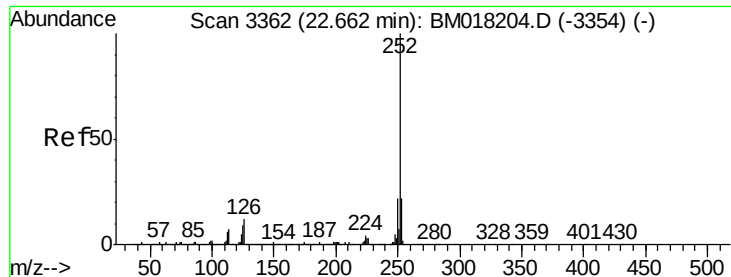


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.620 ng

RT: 22.67 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

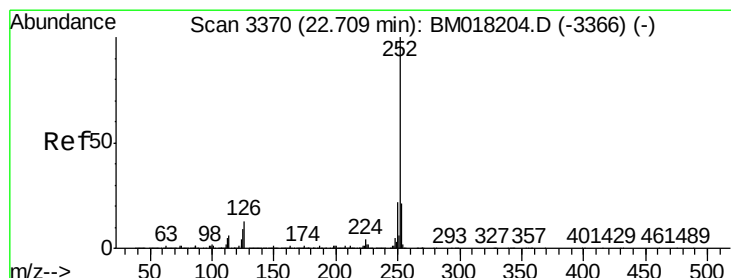
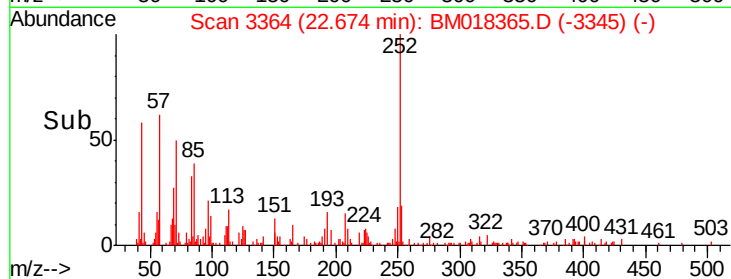
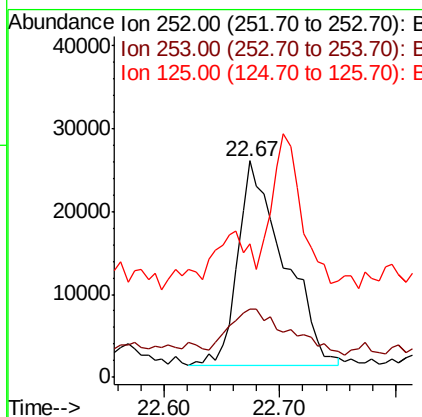
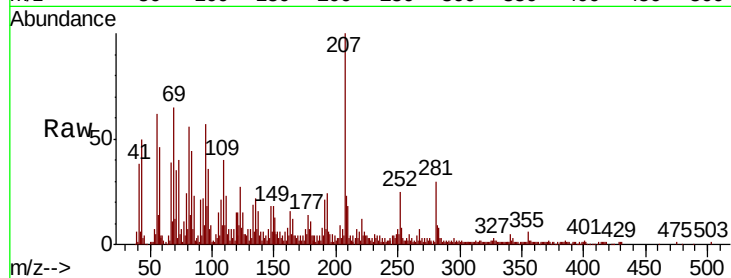
Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

Tgt Ion:	252	Resp:	69342
Ion Ratio	Lower	Upper	
252	100		
253	31.4	17.6	26.4#
125	61.8	7.4	11.0#



#89

Benzo(k)fluoranthene

Concen: 2.535 ng

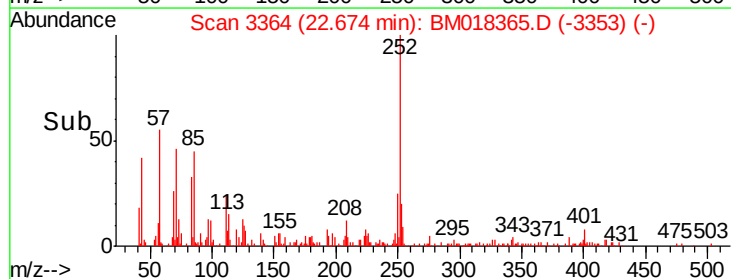
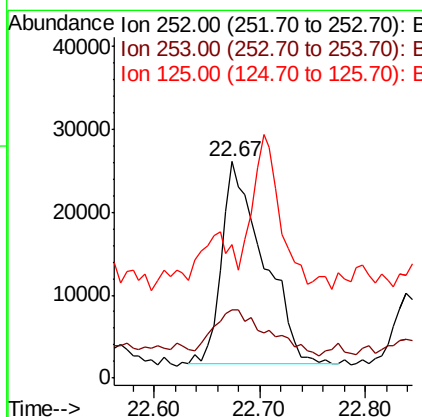
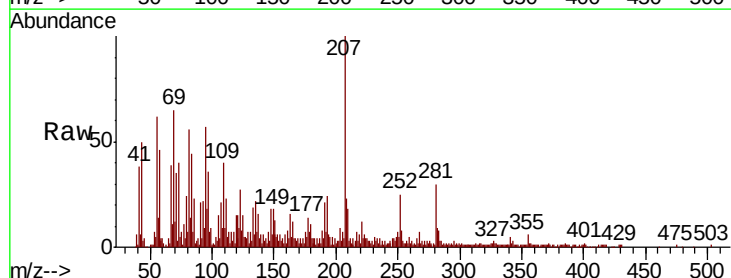
RT: 22.67 min Scan# 3364

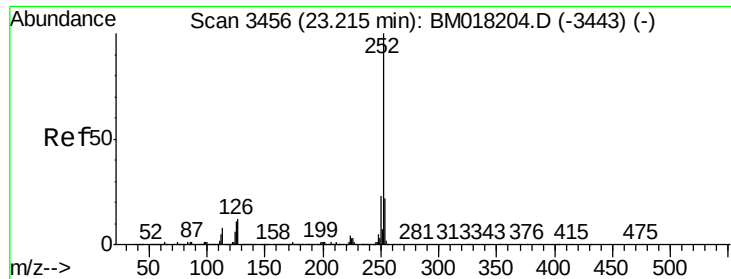
Delta R.T. -0.04 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Tgt Ion:	252	Resp:	66829
Ion Ratio	Lower	Upper	
252	100		
253	31.4	16.9	25.3#
125	61.8	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 2.217 ng

RT: 23.22 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

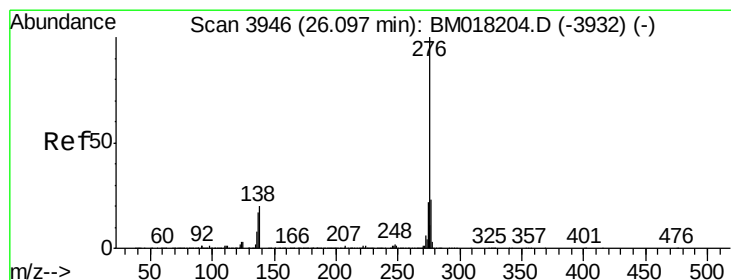
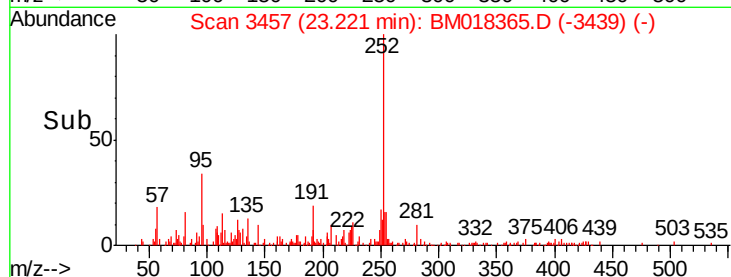
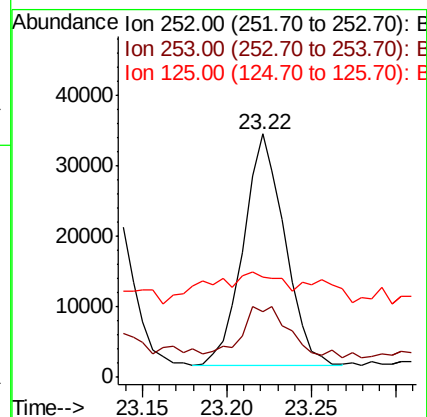
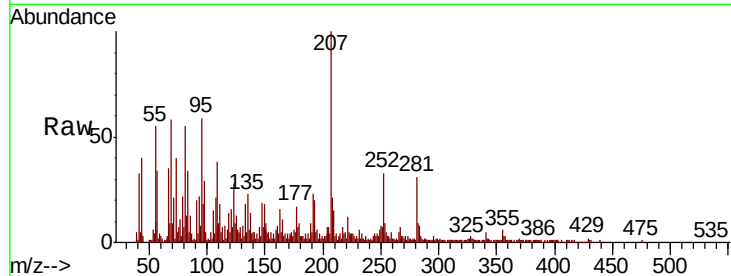
Tgt Ion: 252 Resp: 55815

Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4#

125 41.0 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 2.061 ng

RT: 26.11 min Scan# 3949

Delta R.T. 0.02 min

Lab File: BM018365.D

Acq: 21 Dec 2018 20:03

Tgt Ion: 276 Resp: 45420

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 26.9 15.8 23.8#

