

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 05:08:08 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

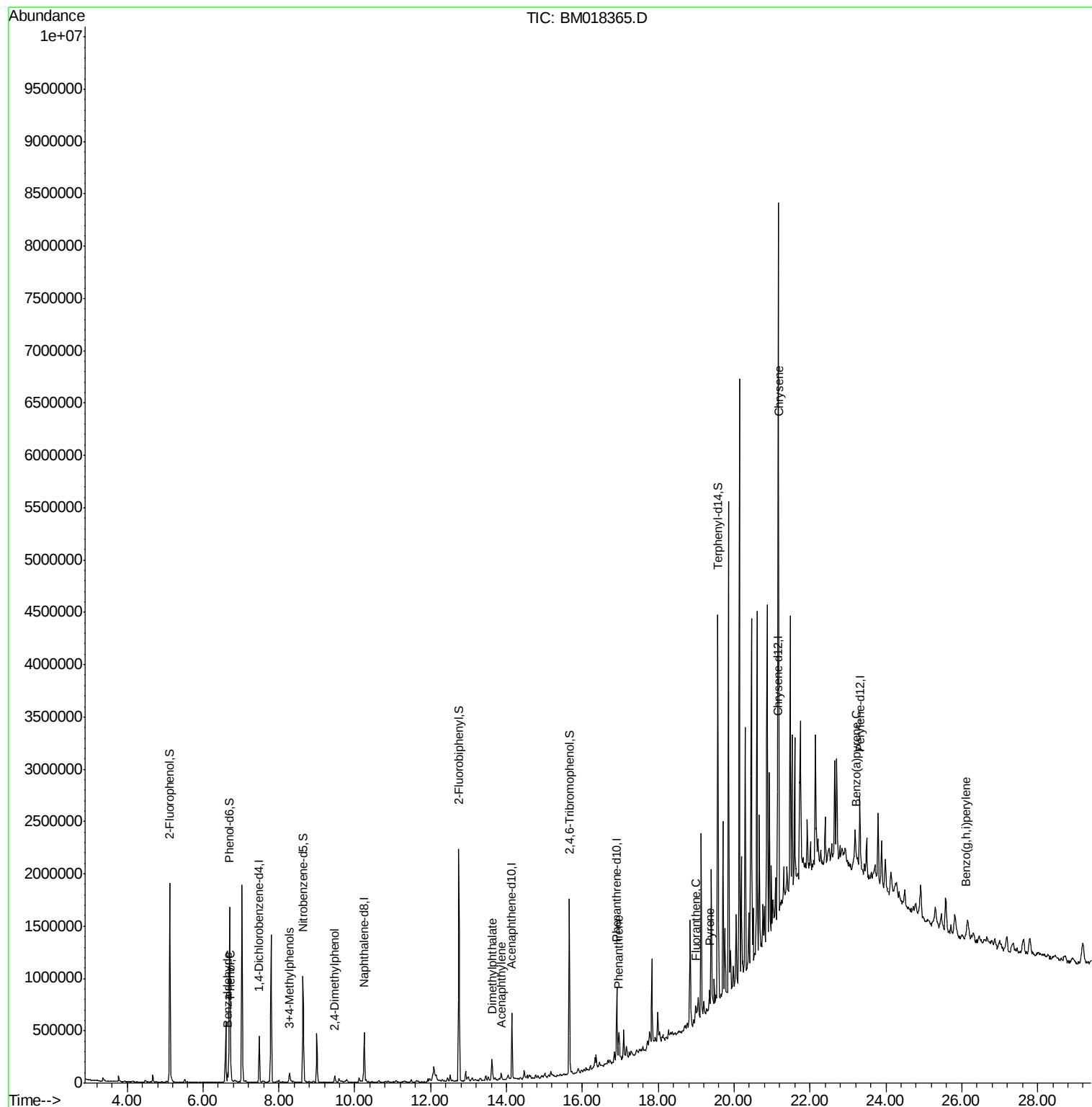
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	33504	6.538	ng	# 79
10) Phenol	6.73	94	101709	11.423	ng	92
20) 3+4-Methylphenols	8.29	107	48792	5.857	ng	94
27) 2,4-Dimethylphenol	9.47	122	20993	4.204	ng	95
49) Acenaphthylene	13.86	152	38185	2.069	ng	# 94
50) Dimethylphthalate	13.62	163	99748	6.488	ng	97
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
90) Benzo(a)pyrene	23.22	252	55815	2.217	ng	# 67
92) Benzo(a,h,i)perylene	26.11	276	45420	2.061	ng	# 92

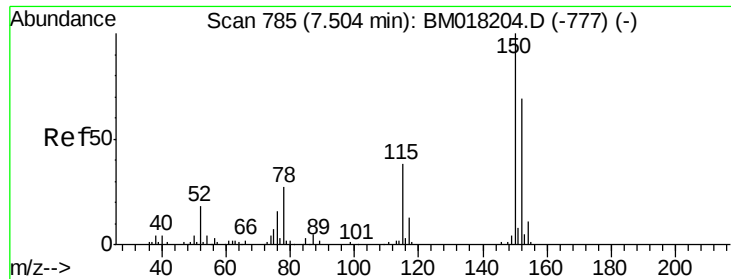
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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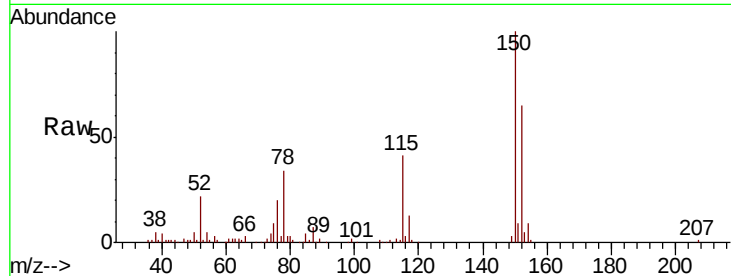


#1

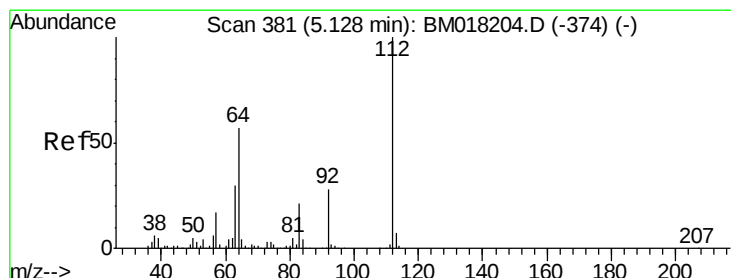
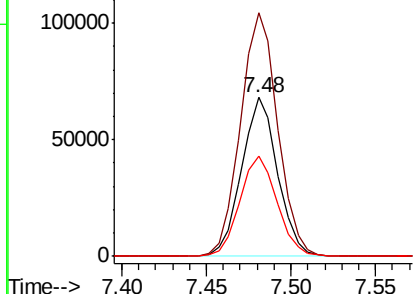
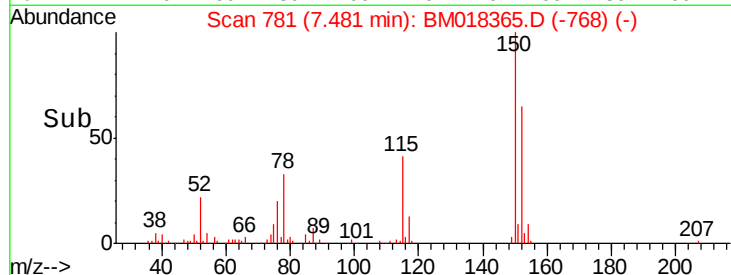
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

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

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



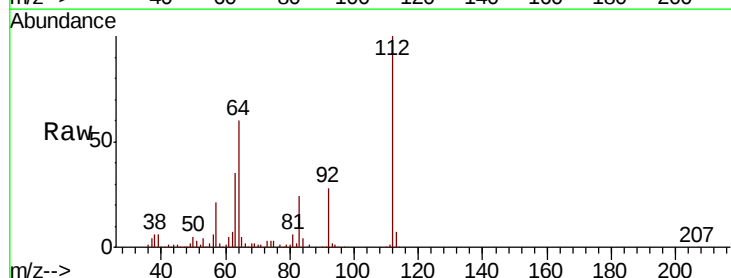
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



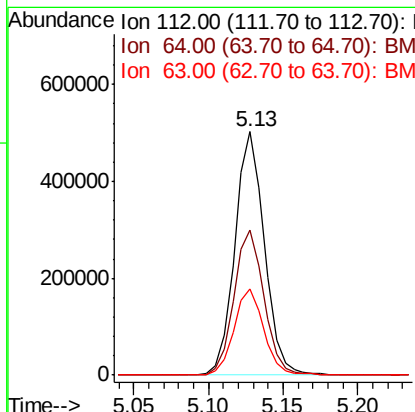
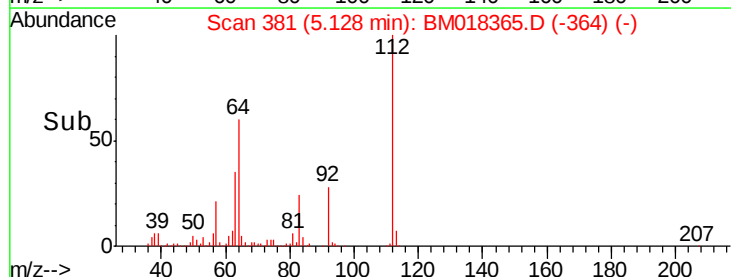
#5

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

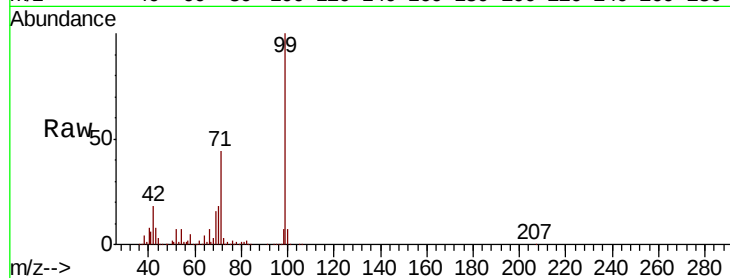
Tot Ion: 99 Resp: 887757

Ion Ratio Lower Upper

99 100

42 17.8 12.3 18.5

71 44.2 30.2 45.2



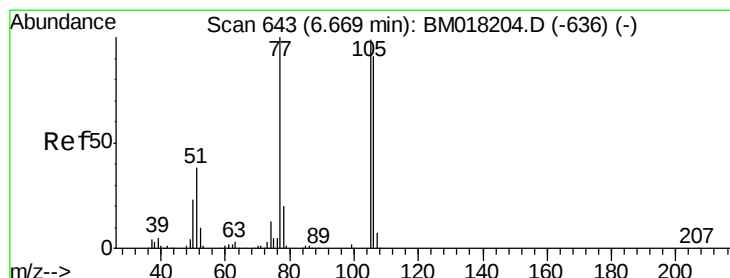
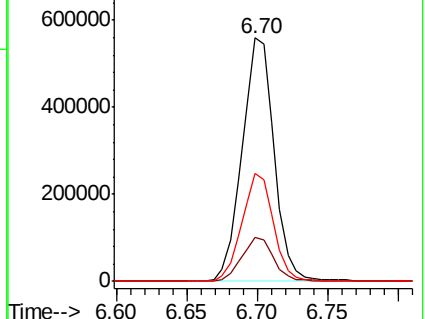
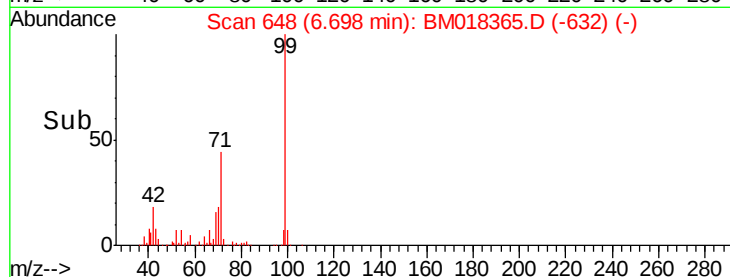
Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

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

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

6.70

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

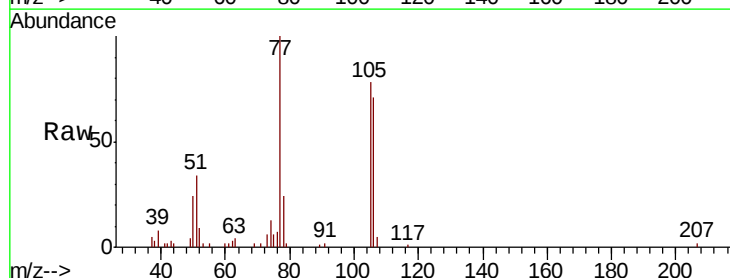
Tgt Ion: 77 Resp: 33504

Ion Ratio Lower Upper

77 100

105 78.1 78.8 118.8#

106 70.9 70.7 110.7



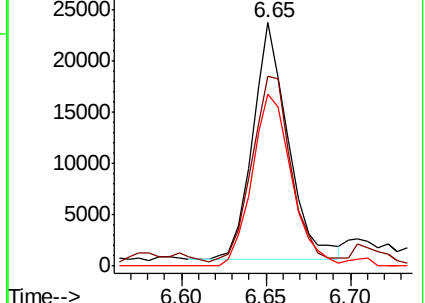
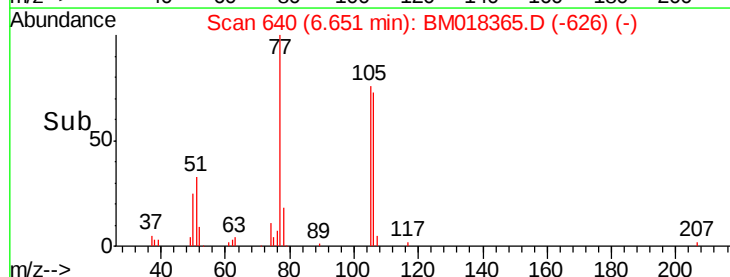
Abundance Ion 77.00 (76.70 to 77.70): BM018204.D (-636) (-)

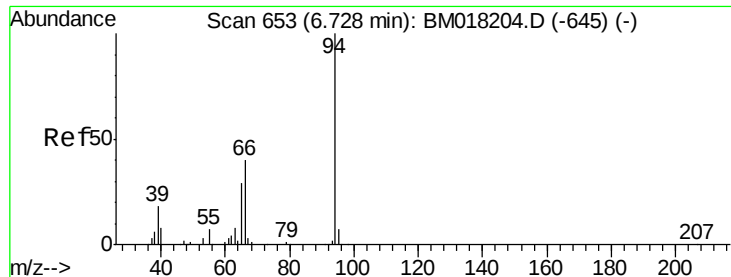
Ion 105.00 (104.70 to 105.70): BM018204.D (-636) (-)

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

6.65

6.60 6.65 6.70 6.75

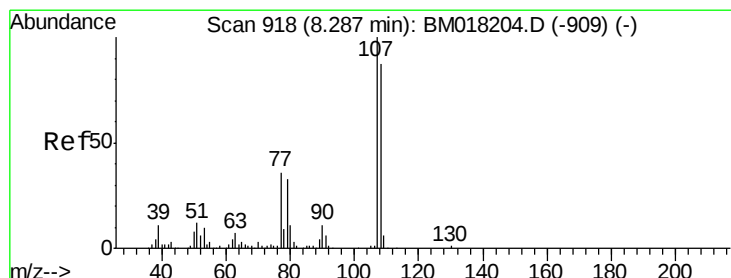
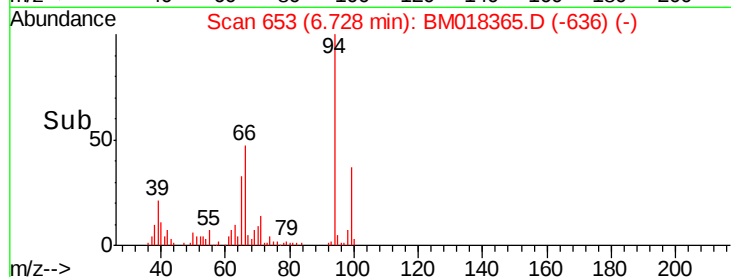
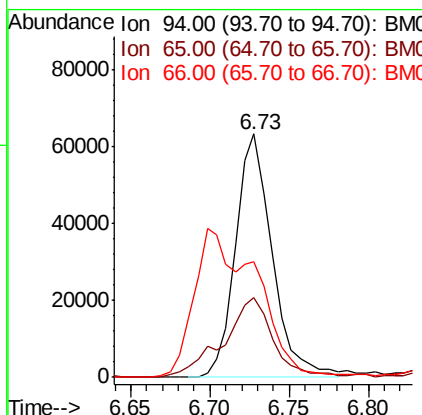
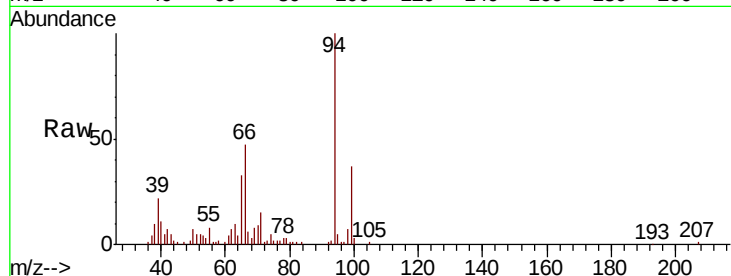




#10
Phenol
Concen: 11.423 ng
RT: 6.73 min Scan# 653
Delta R.T. -0.00 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

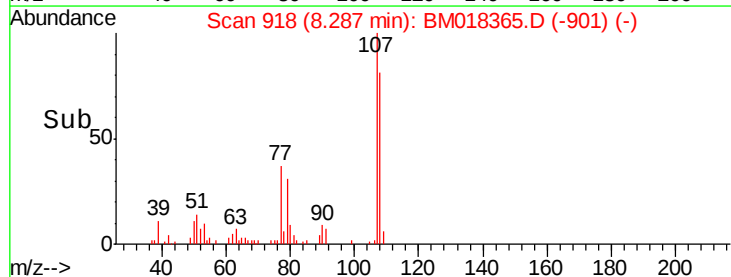
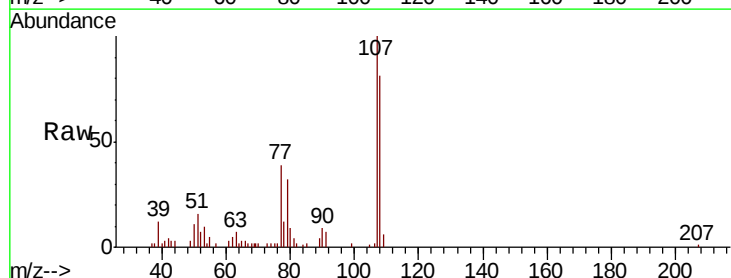
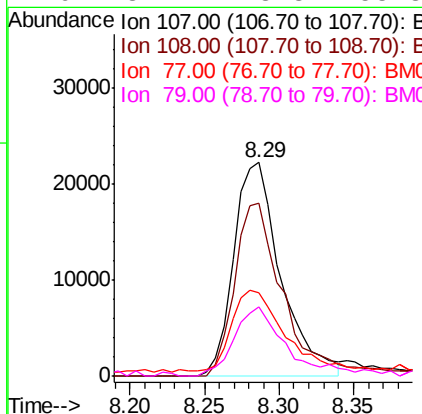
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P001-SS013-0612-01

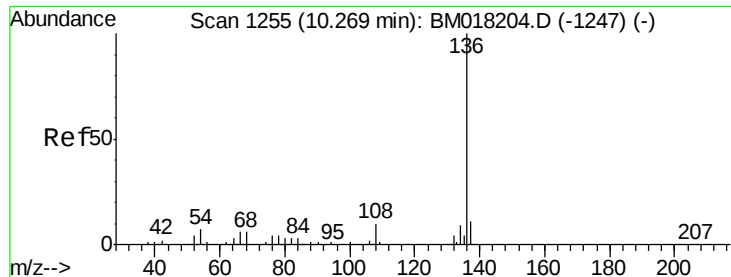
Tot Ion: 94 Resp: 101709
Ion Ratio Lower Upper
94 100
65 32.8 9.5 49.5
66 47.5 21.3 61.3



#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

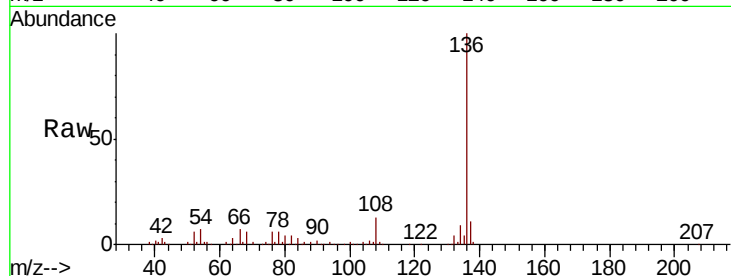




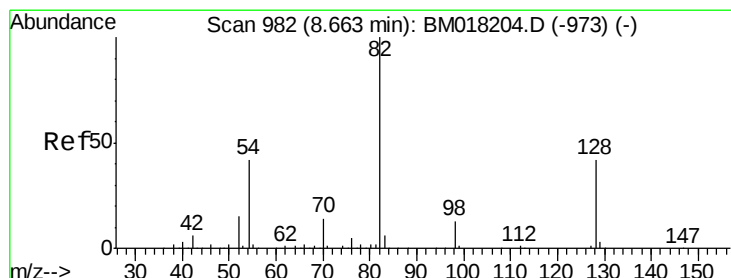
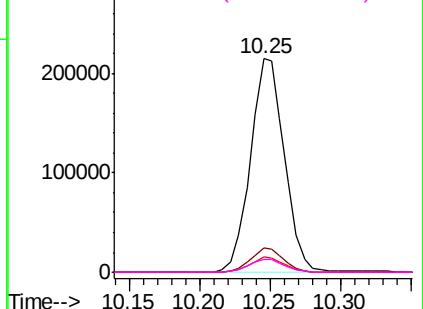
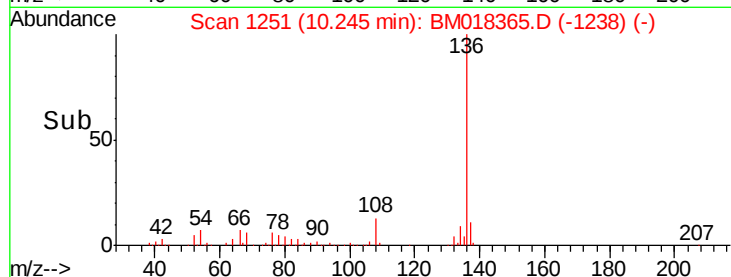
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

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

Tot 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

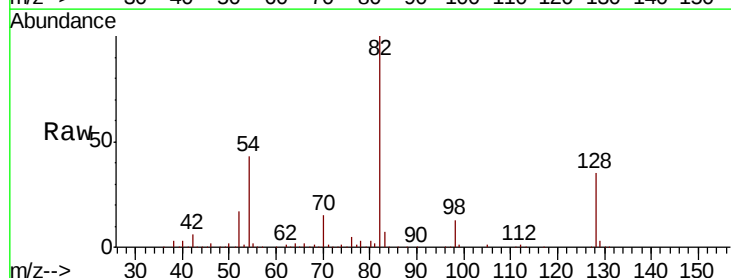


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

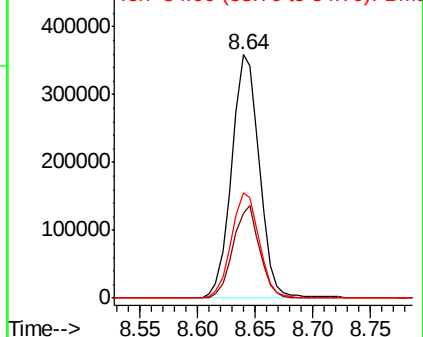
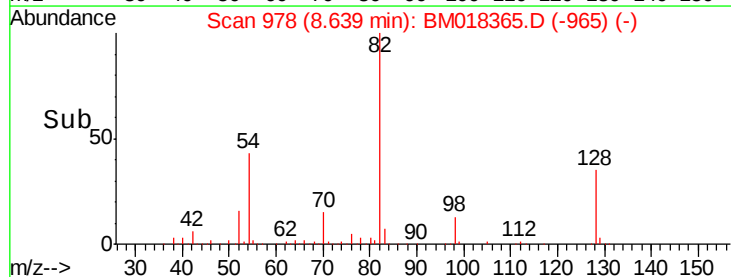


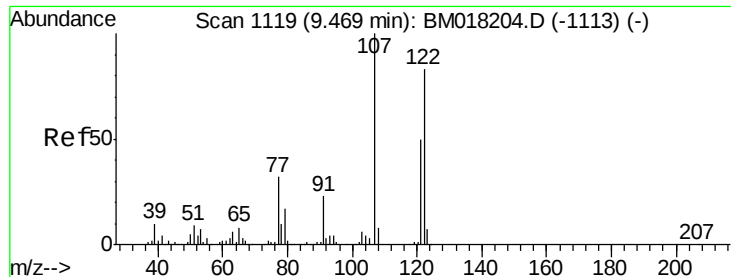
#23
Nitrobenzene-d5
Concen: 84.493 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

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

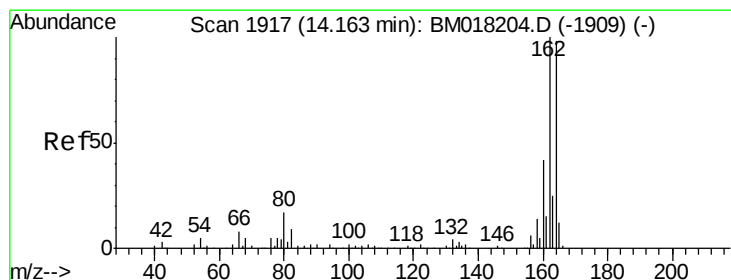
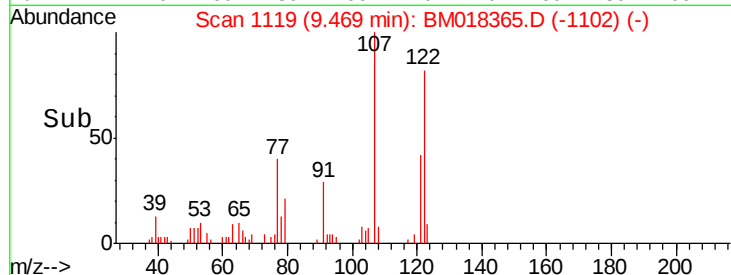
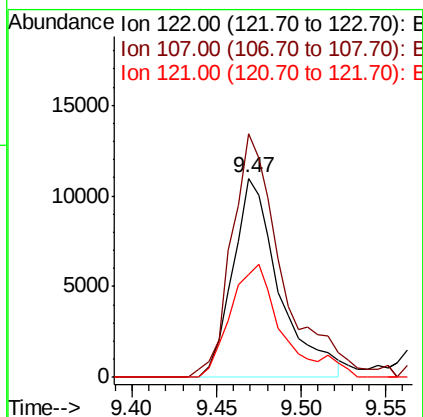
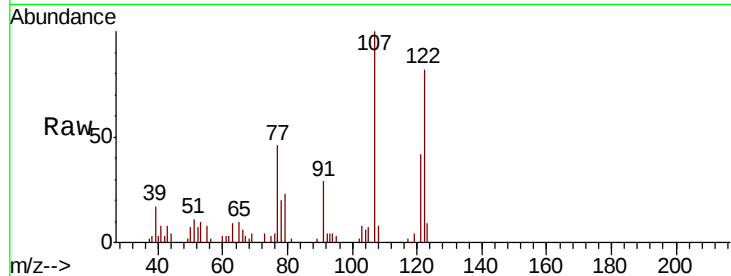




#27
2,4-Dimethylphenol
Concen: 4.204 ng
RT: 9.47 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

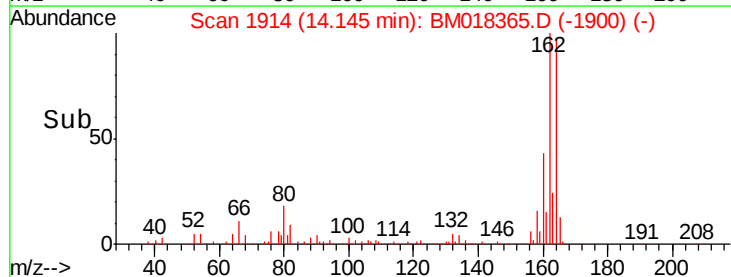
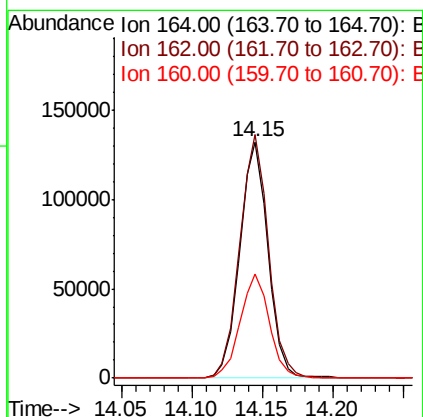
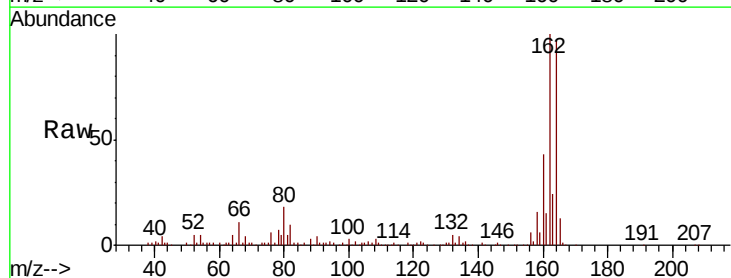
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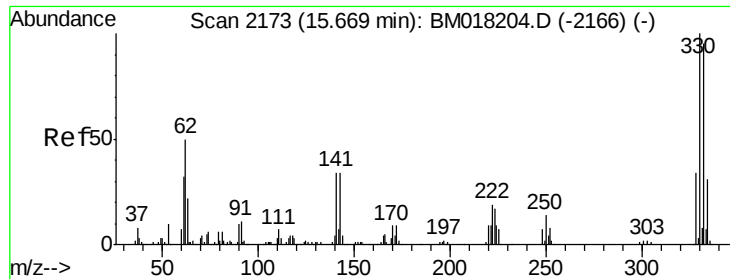
Tot Ion	Ratio	Lower	Upper
122	100		
107	122.4	96.5	144.7
121	51.9	48.2	72.4



#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

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.6
160	43.9	34.6	51.8





#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

Instrument :

BNA_M

ClientSampleId :

P001-SS013-0612-01

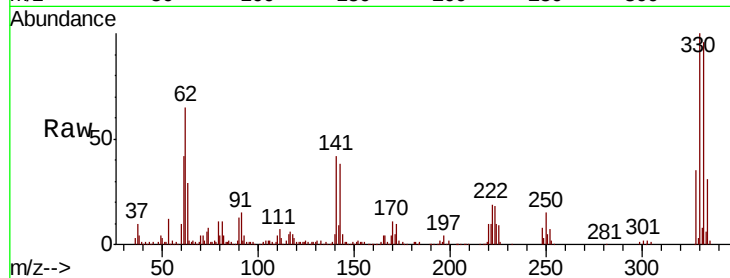
Tot Ion:330 Resp: 275076

Ion Ratio Lower Upper

330 100

332 96.6 78.6 118.0

141 40.3 27.1 40.7

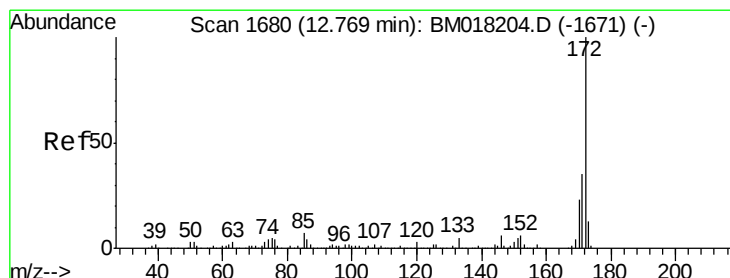
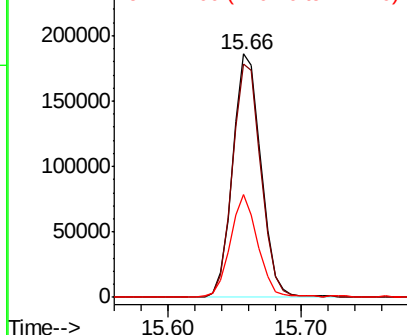
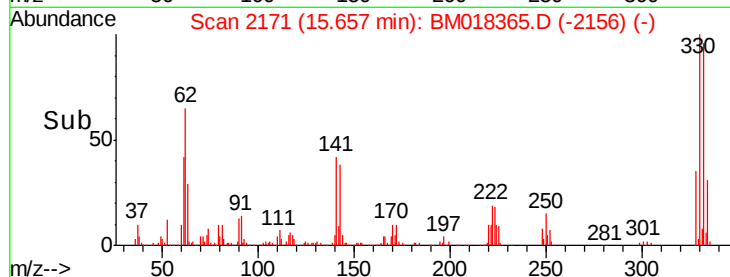


Abundance

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

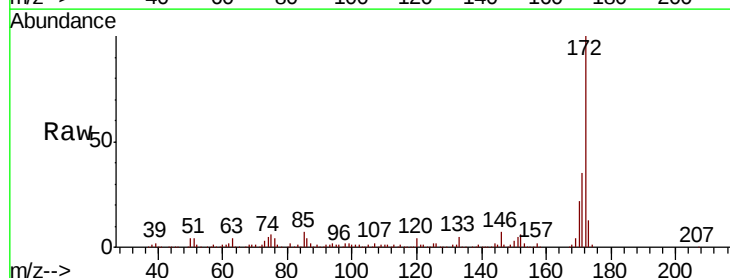
Tgt Ion:172 Resp: 1077420

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 22.4 18.1 27.1

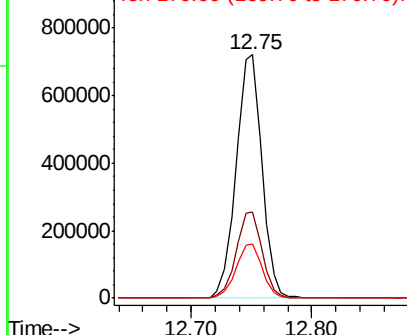
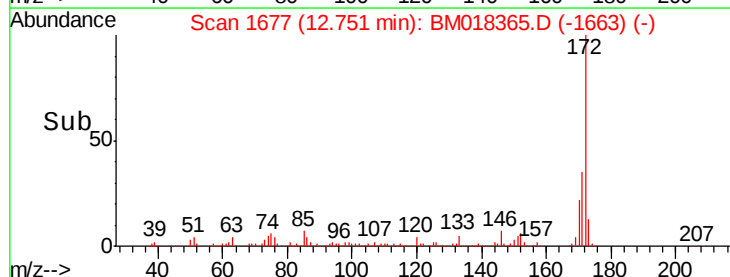


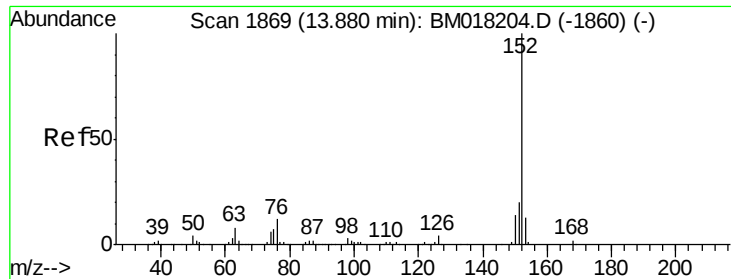
Abundance

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

Instrument :

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ClientSampleId :

P001-SS013-0612-01

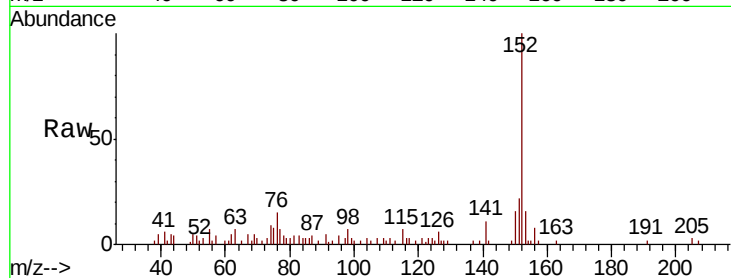
Tot Ion:152 Resp: 38185

Ion Ratio Lower Upper

152 100

151 22.0 16.0 24.0

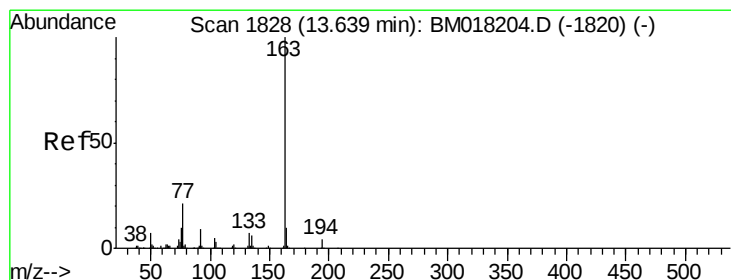
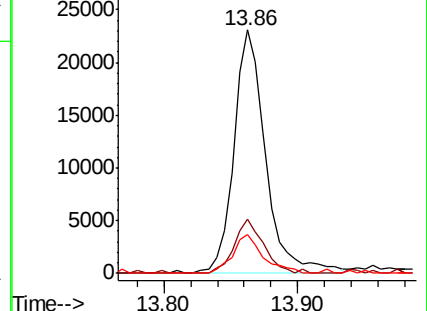
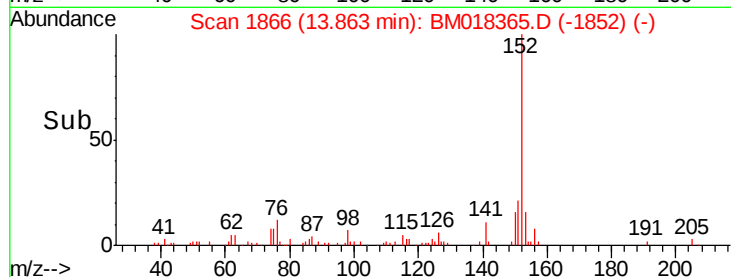
153 16.2 10.2 15.2#



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

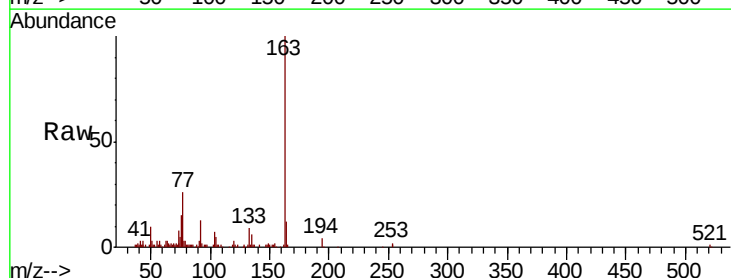
Tgt Ion:163 Resp: 99748

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

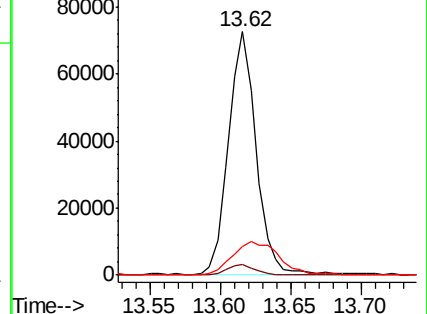
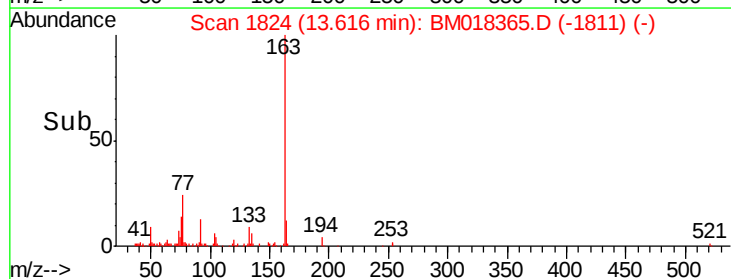
164 11.5 7.9 11.9

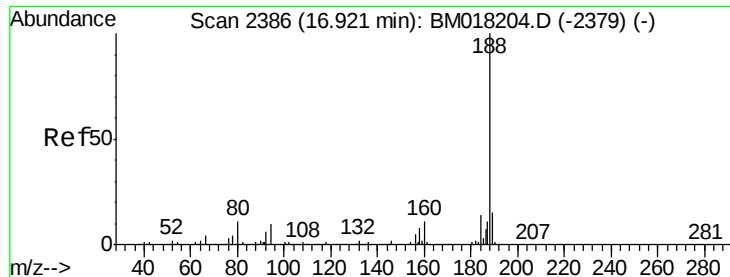


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

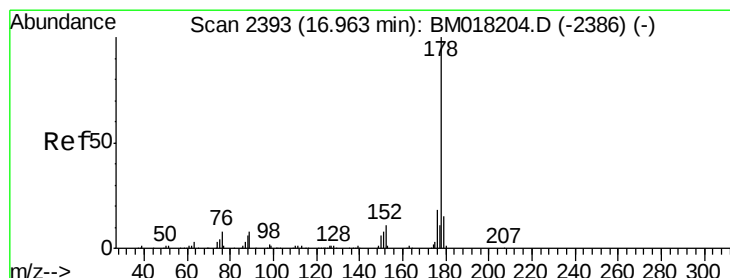
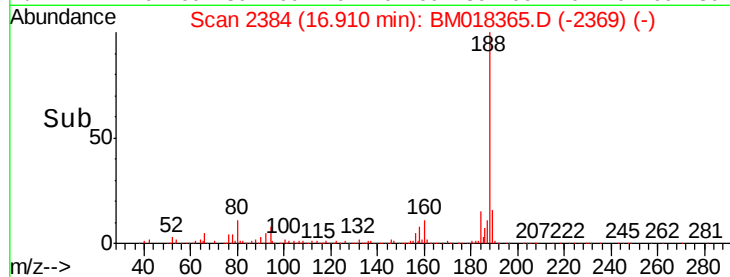
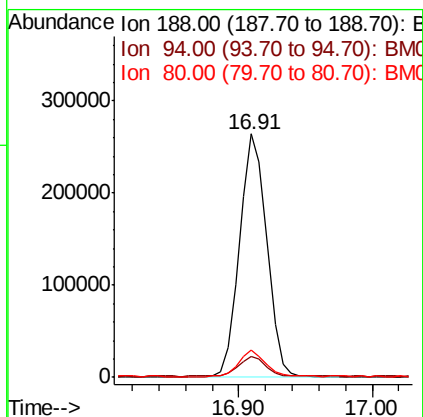
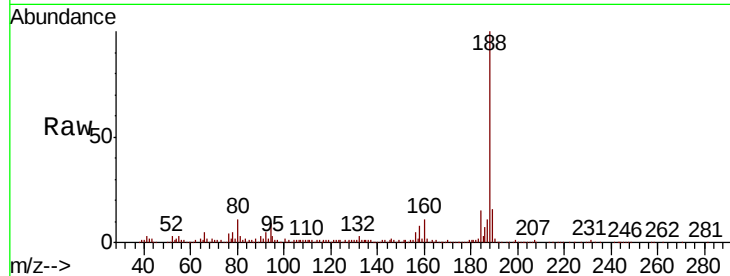




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018365.D
Acq: 21 Dec 2018 20:03

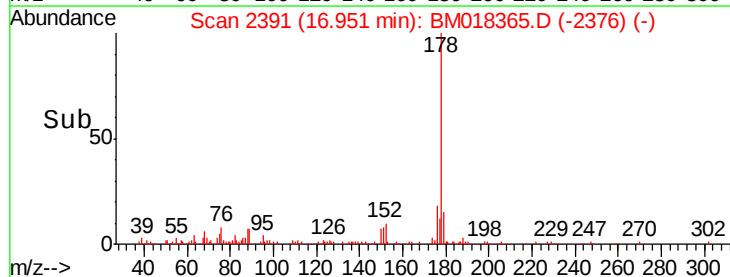
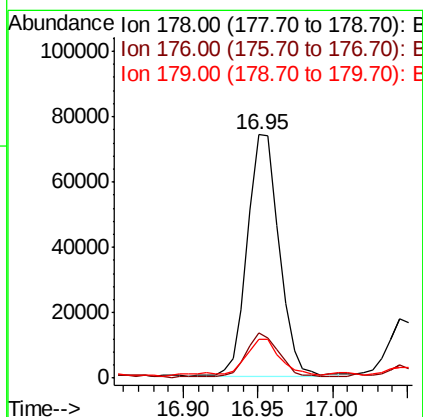
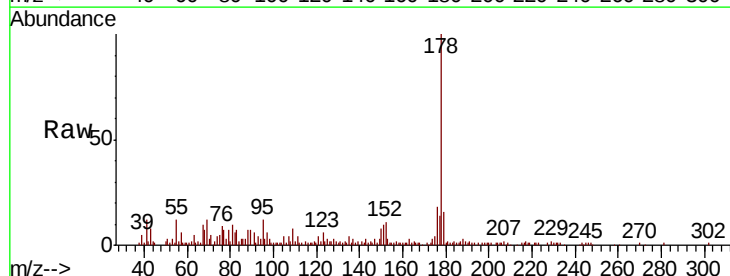
Instrument :
BNA_M
ClientSampleId :
P001-SS013-0612-01

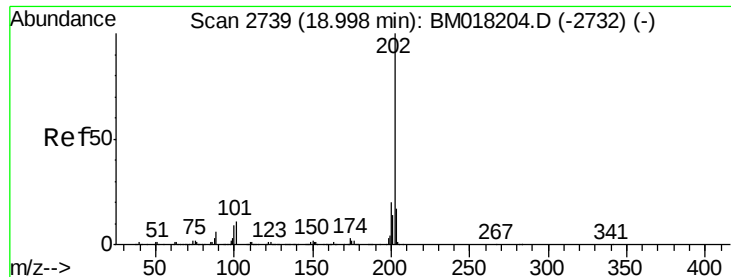
Tot Ion:188 Resp: 374217
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 11.2 9.0 13.6



#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

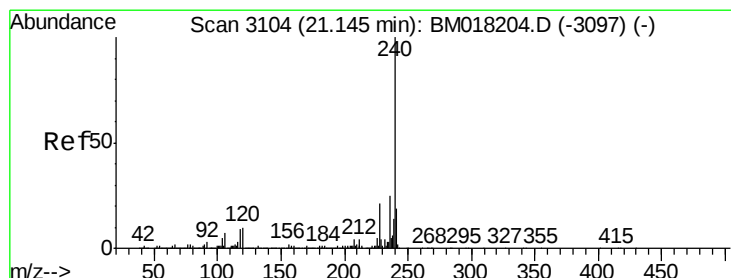
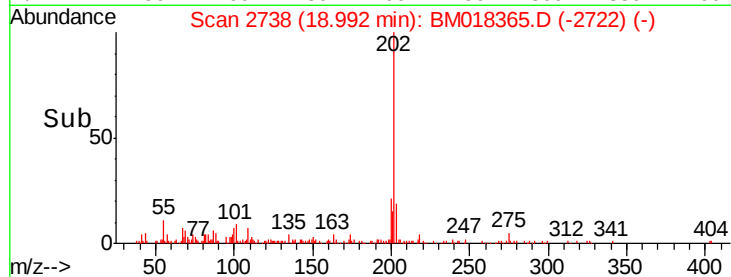
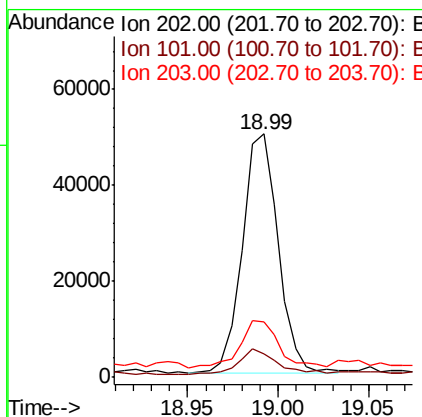
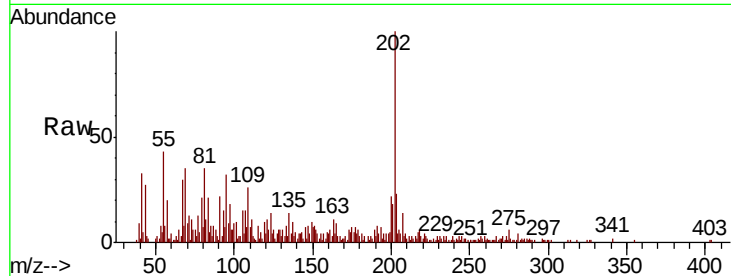




#75
 Fluoranthene
 Concen: 2.876 ng
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM018365.D
 Acq: 21 Dec 2018 20:03

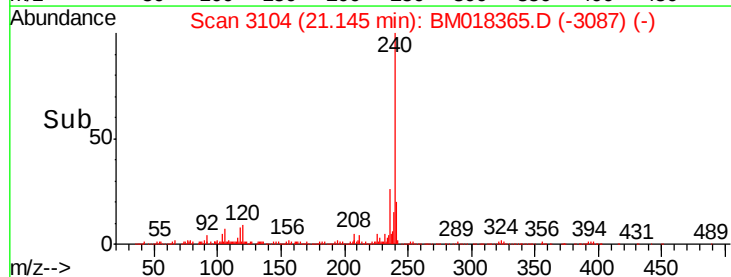
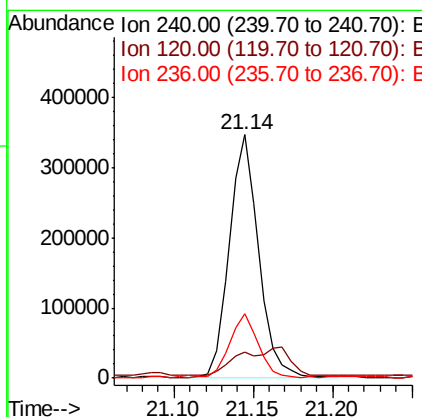
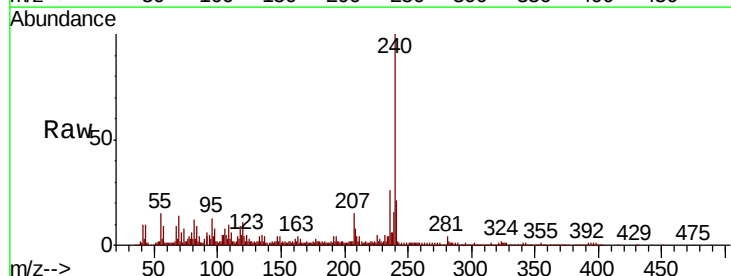
Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013-0612-01

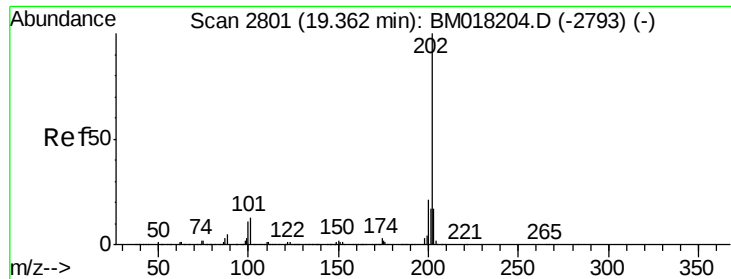
Tot Ion:	202	Resp:	67965
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	30.5
203	22.9	0.0	37.5



#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:	240	Resp:	438758
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.2	12.2
236	26.2	20.3	30.5





#78

Pvrene

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

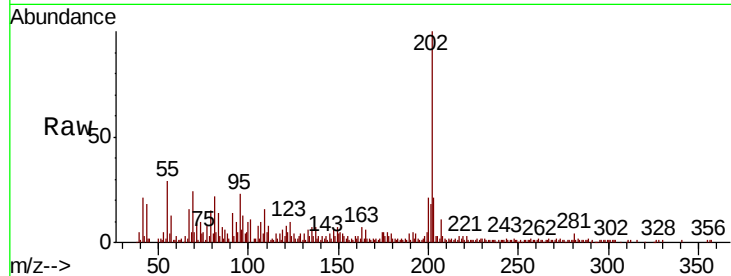
Tot Ion:202 Resp: 122405

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 20.6 14.0 21.0

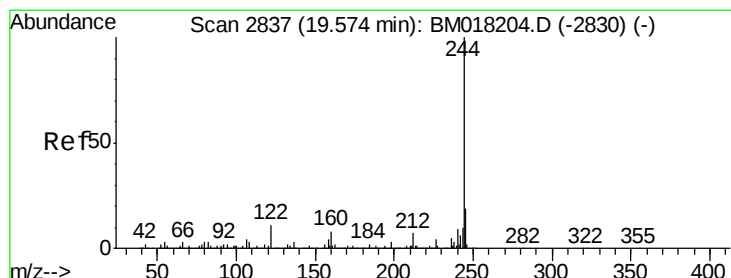
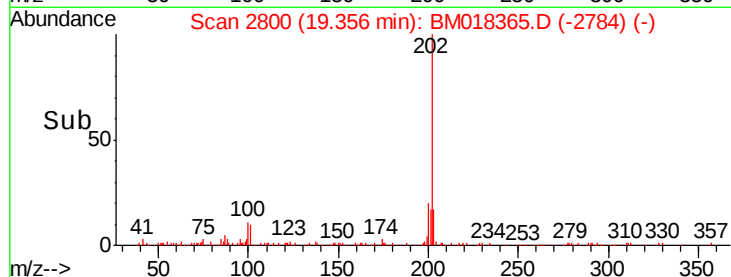
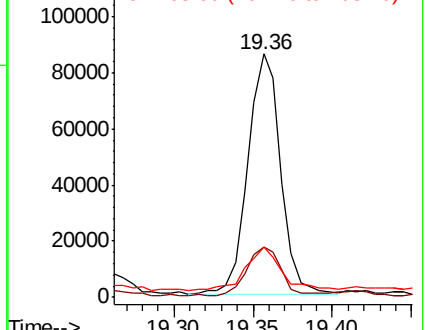


Abundance

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

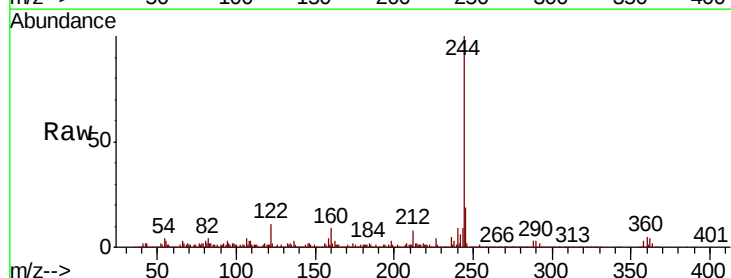
Tgt Ion:244 Resp: 1335716

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

122 10.8 9.0 13.6

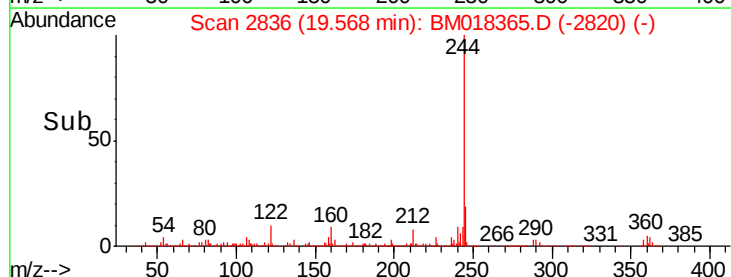
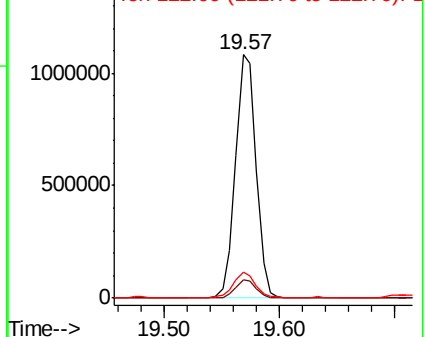


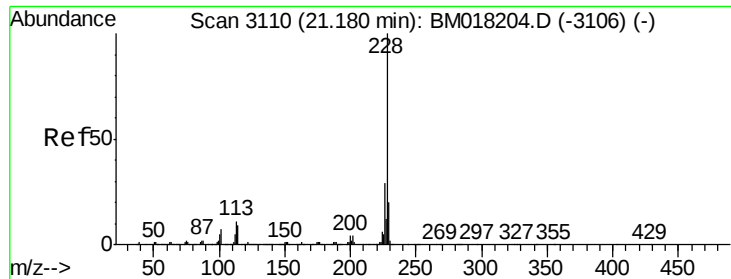
Abundance

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

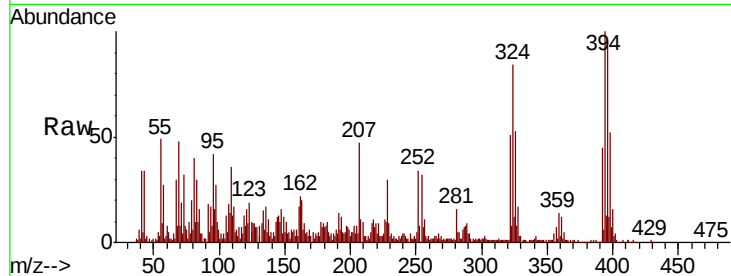
Tot Ion:228 Resp: 56348

Ion Ratio Lower Upper

228 100

226 37.2 23.1 34.7#

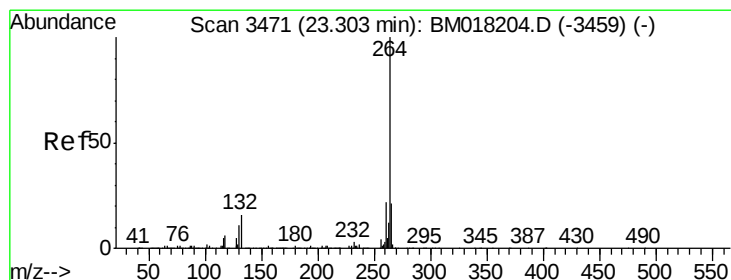
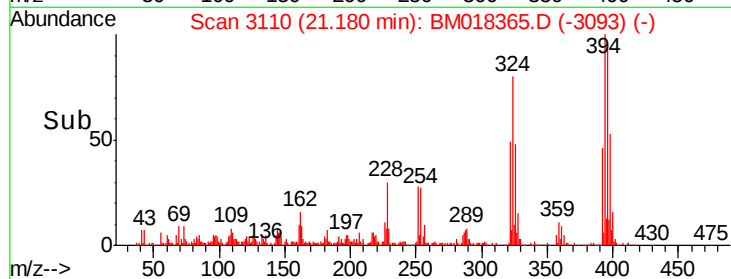
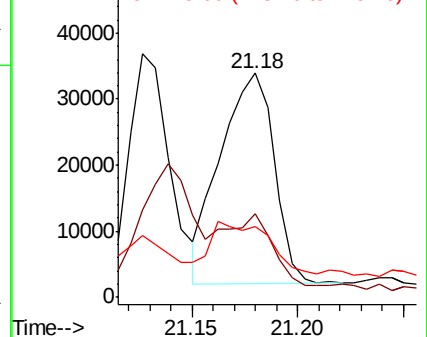
229 31.9 15.8 23.6#



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

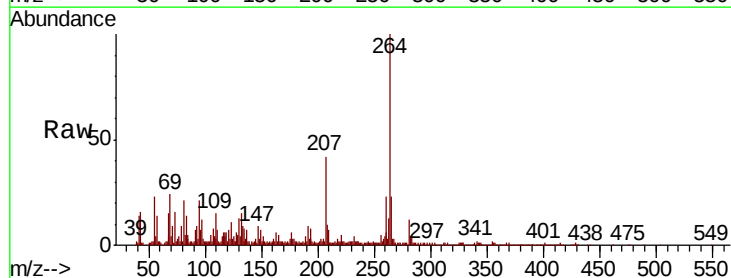
Tgt Ion:264 Resp: 471177

Ion Ratio Lower Upper

264 100

260 22.6 17.5 26.3

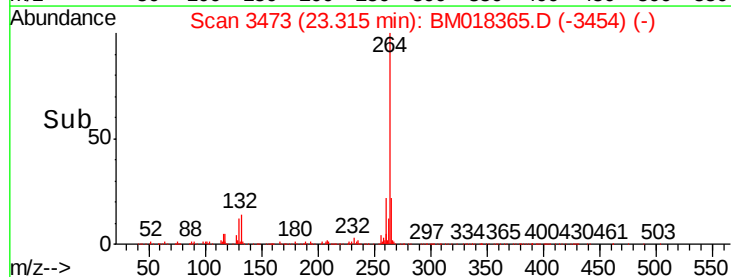
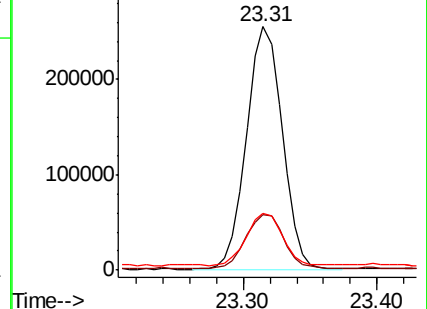
265 23.4 17.3 25.9

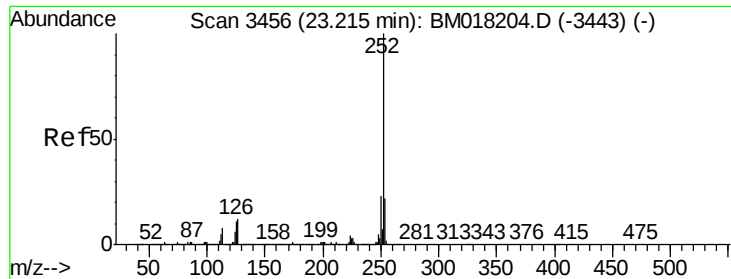


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#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

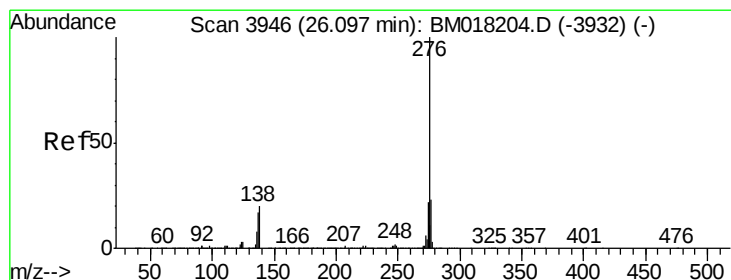
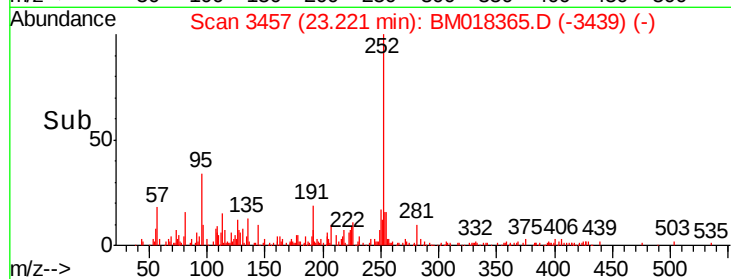
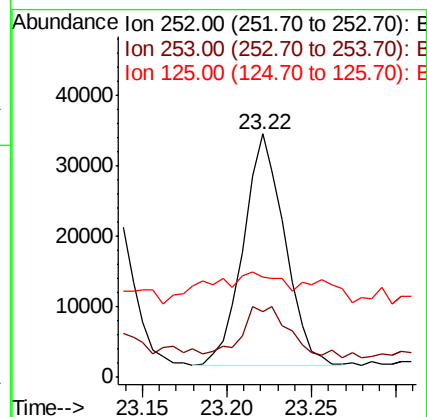
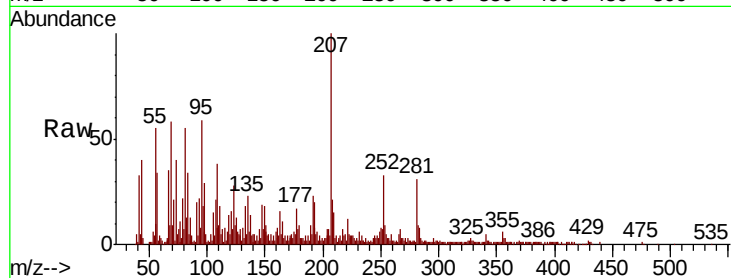
Tot Ion:252 Resp: 55815

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#

