

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018357.D
 Acq On : 21 Dec 2018 13:07
 Operator : JU/SJ
 Sample : J6389-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS015-0006-01

Quant Time: Dec 22 03:48:57 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

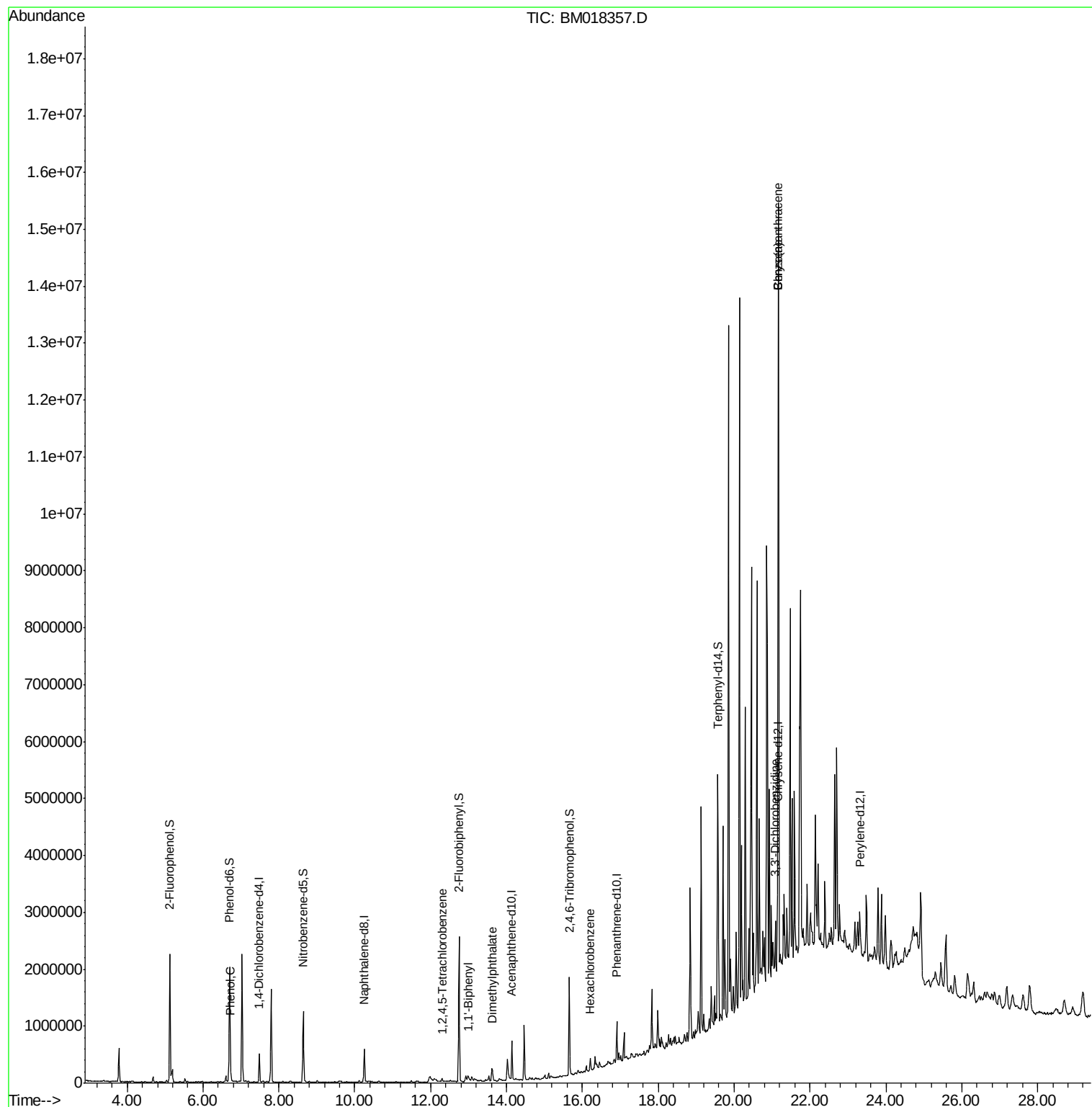
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	119183	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	428123	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	207293	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	374716	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	441116	20.00	ng	0.00
87) Perylene-d12	23.31	264	455087	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	838628	117.54	ng	0.00
7) Phenol-d6	6.70	99	1094240	110.34	ng	0.00
23) Nitrobenzene-d5	8.65	82	730693	87.54	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	276136	90.76	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	1232959	77.04	ng	-0.02
79) Terphenyl-d14	19.57	244	1272977	65.27	ng	0.00
Target Compounds						
10) Phenol	6.73	94	95822	9.124	ng	Qvalue 91
40) 1,2,4,5-Tetrachlorobenzene	12.31	216	16787	2.355	ng	95
46) 1,1'-Biphenyl	12.97	154	58195	3.121	ng	92
50) Dimethylphthalate	13.62	163	117533	6.820	ng	96
68) Hexachlorobenzene	16.22	284	40218	8.089	ng	95
81) Benzo(a)anthracene	21.16	228	67061	2.603	ng	# 64
82) 3,3'-Dichlorobenzidine	21.09	252	31945	3.103	ng	# 49
83) Chrysene	21.16	228	66431	2.680	ng	# 69

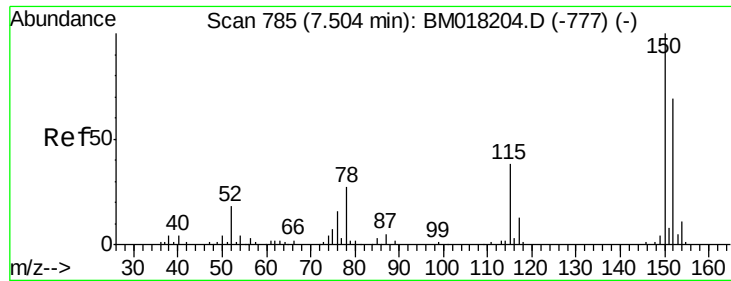
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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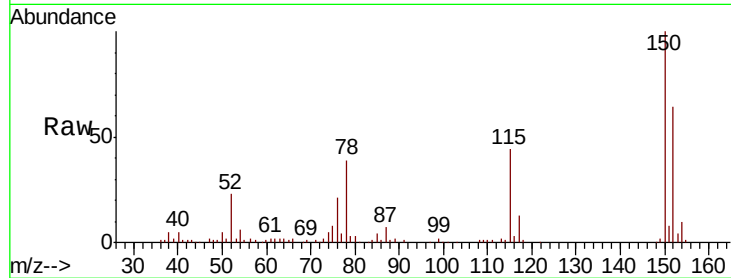


#1

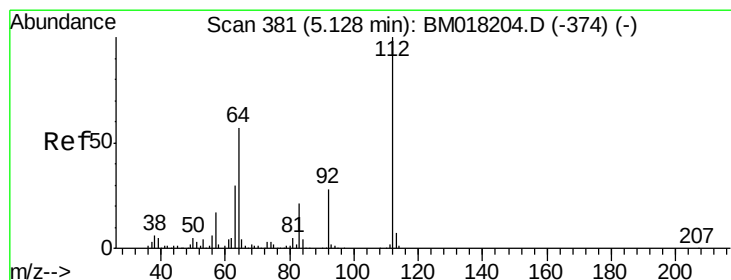
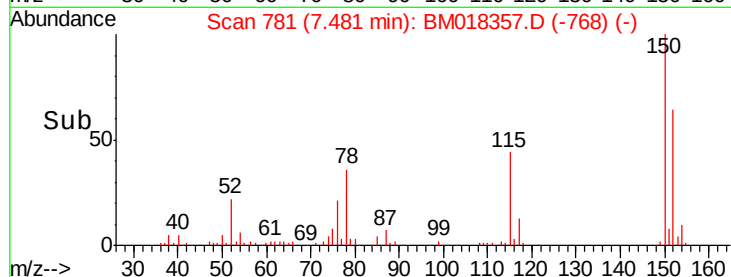
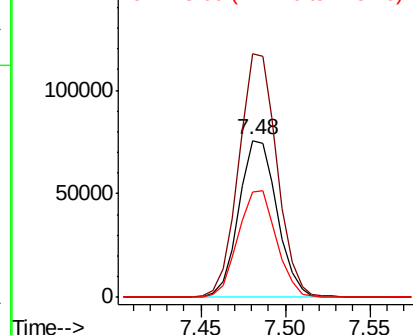
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018357.D
Acq: 21 Dec 2018 13:07

Instrument :
BNA_M
ClientSampleId :
P001-SS015-0006-01

Tgt Ion:152 Resp: 119183
Ion Ratio Lower Upper
152 100
150 155.1 116.1 174.1
115 67.5 44.6 67.0#



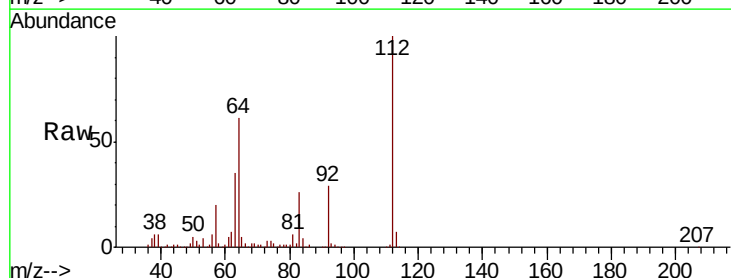
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



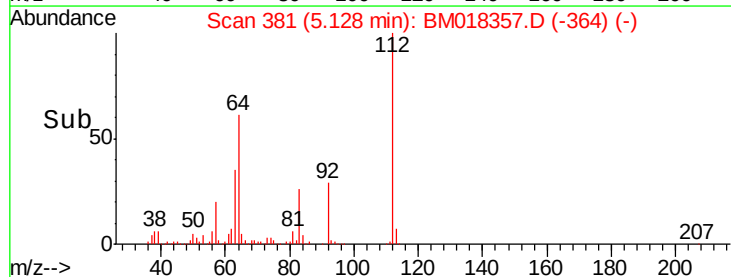
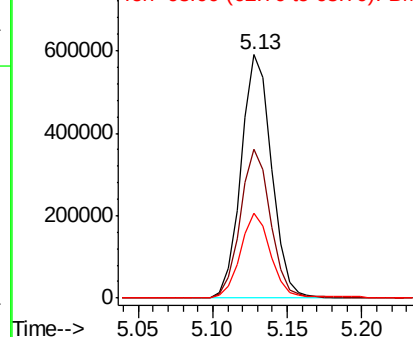
#5

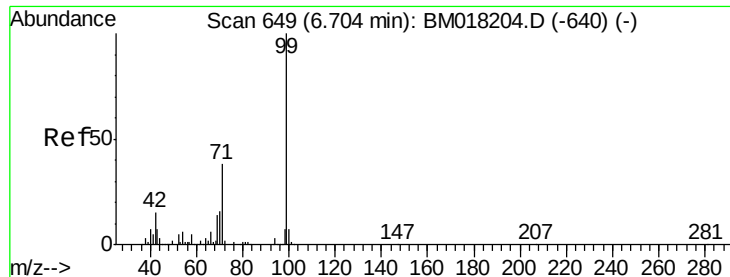
2-Fluorophenol
Concen: 117.543 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018357.D
Acq: 21 Dec 2018 13:07

Tgt Ion:112 Resp: 838628
Ion Ratio Lower Upper
112 100
64 61.1 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: 110.345 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

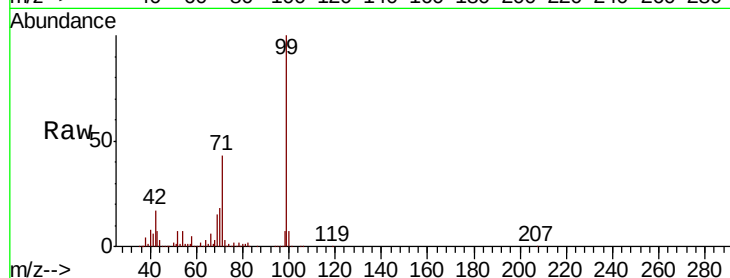
Tgt Ion: 99 Resp: 1094240

Ion Ratio Lower Upper

99 100

42 17.3 12.3 18.5

71 42.8 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

800000

600000

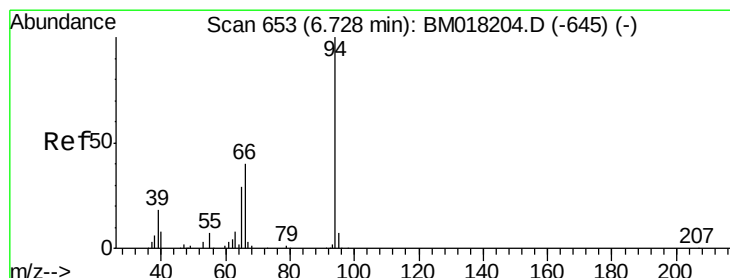
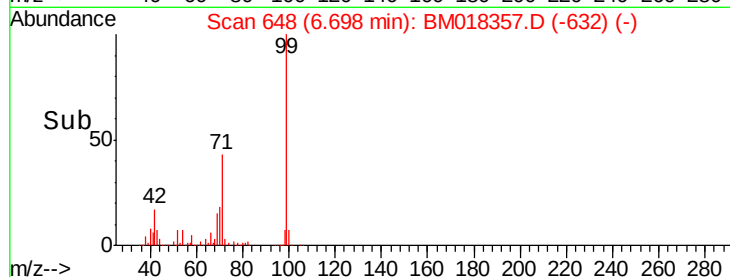
400000

200000

0

6.60 6.65 6.70 6.75

Time-->



#10

Phenol

Concen: 9.124 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

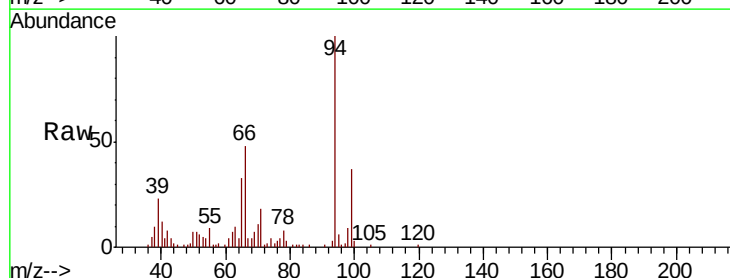
Tgt Ion: 94 Resp: 95822

Ion Ratio Lower Upper

94 100

65 33.3 9.5 49.5

66 48.2 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) (-)

6.73

80000

60000

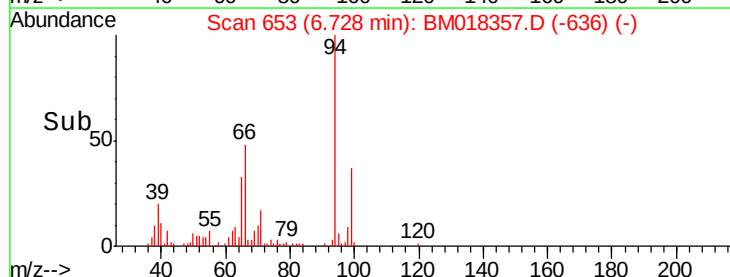
40000

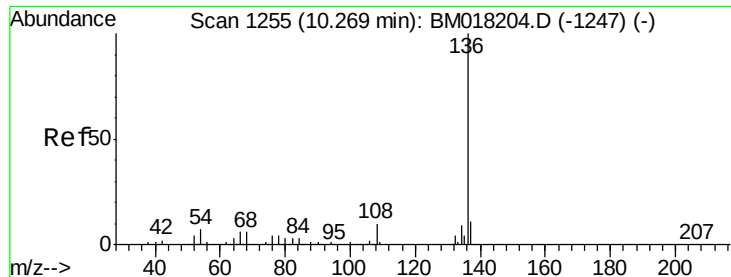
20000

0

6.65 6.70 6.75 6.80

Time-->

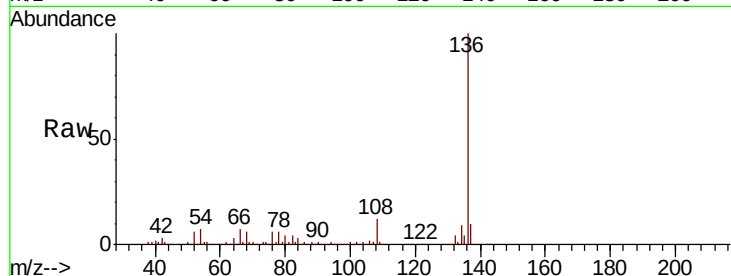




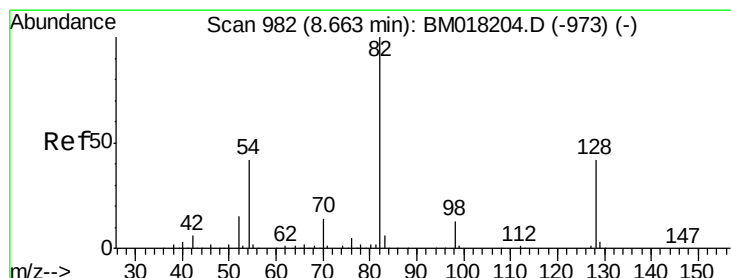
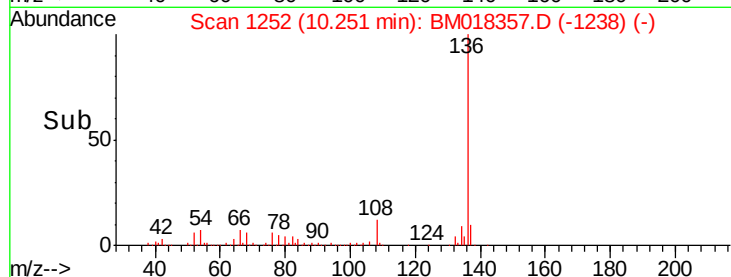
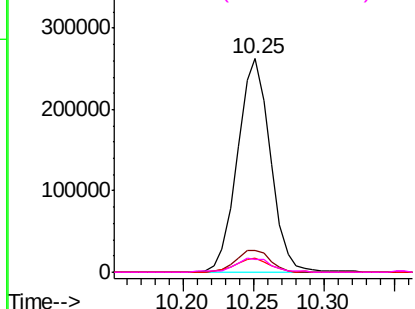
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018357.D
Acq: 21 Dec 2018 13:07

Instrument :
BNA_M
ClientSampleId :
P001-SS015-0006-01

Tgt Ion:	136	Resp:	428123
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	6.7	5.2	7.8
68	6.0	5.0	7.6

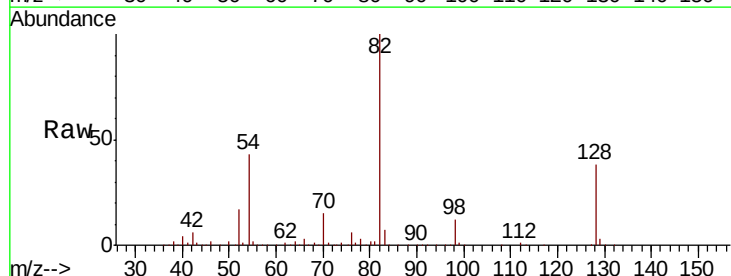


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

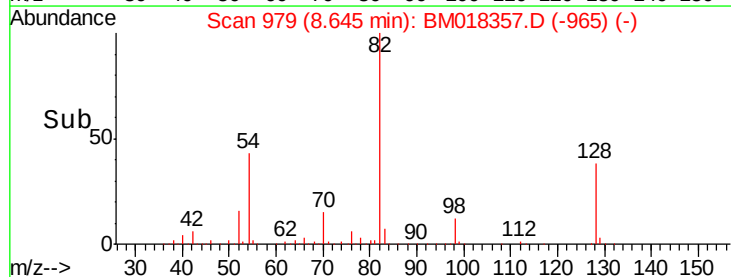
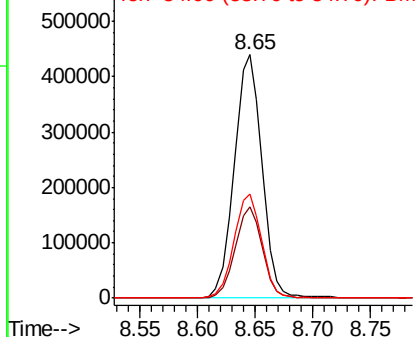


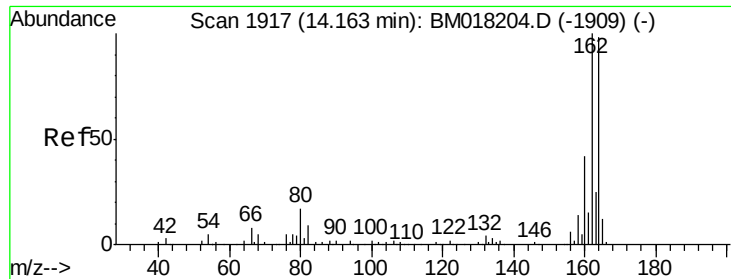
#23
Nitrobenzene-d5
Concen: 87.545 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018357.D
Acq: 21 Dec 2018 13:07

Tgt Ion:	82	Resp:	730693
Ion	Ratio	Lower	Upper
82	100		
128	37.5	33.4	50.2
54	43.0	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

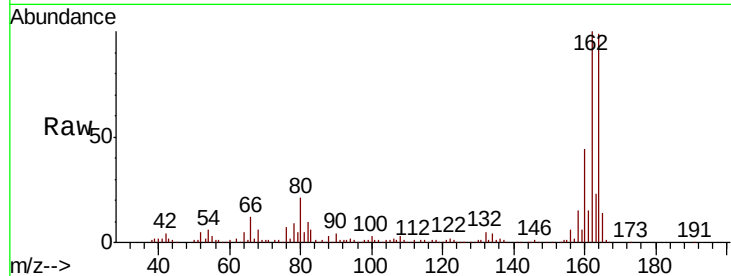
Tgt Ion:164 Resp: 207293

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

160 44.1 34.6 51.8

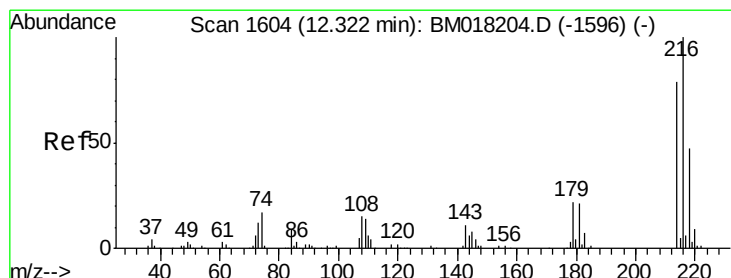
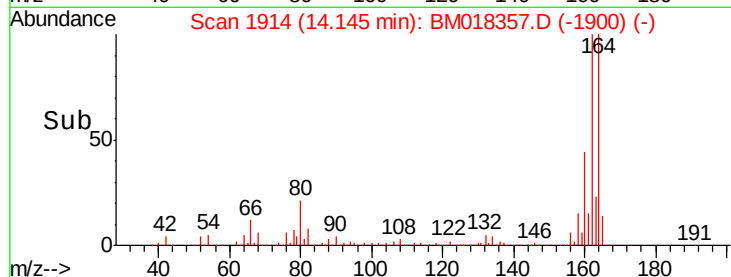
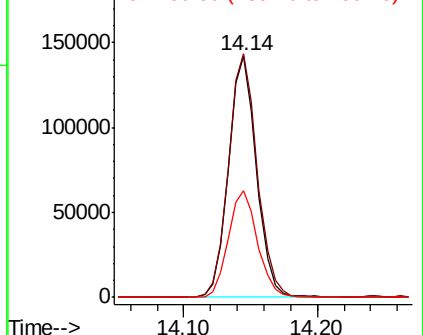


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 2.355 ng

RT: 12.31 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Tgt Ion:216 Resp: 16787

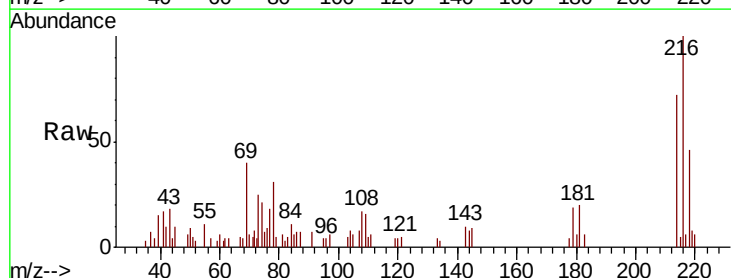
Ion Ratio Lower Upper

216 100

214 73.3 63.4 95.0

179 20.3 17.2 25.8

108 17.7 14.6 21.8



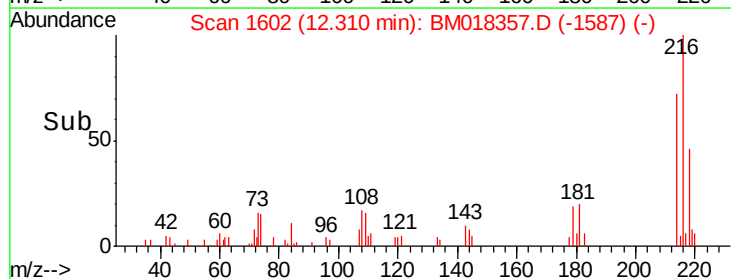
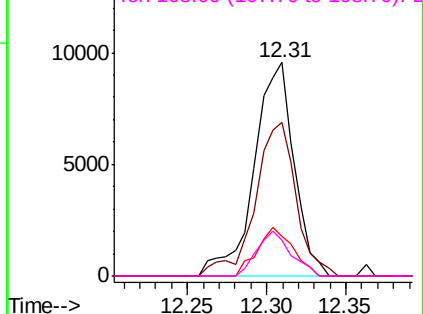
Abundance

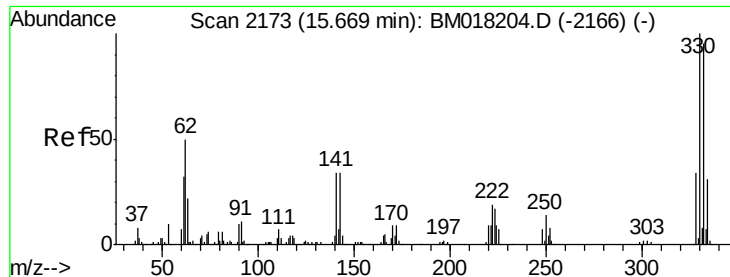
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

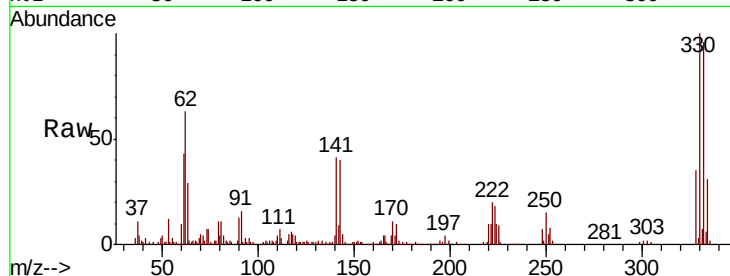




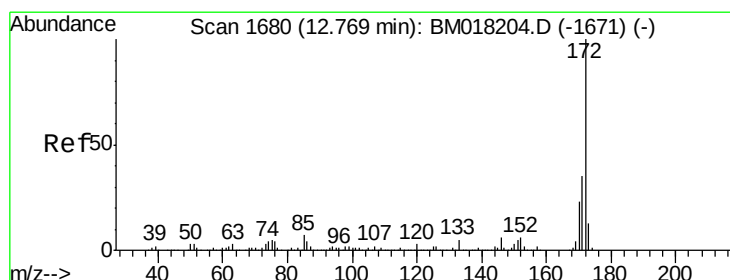
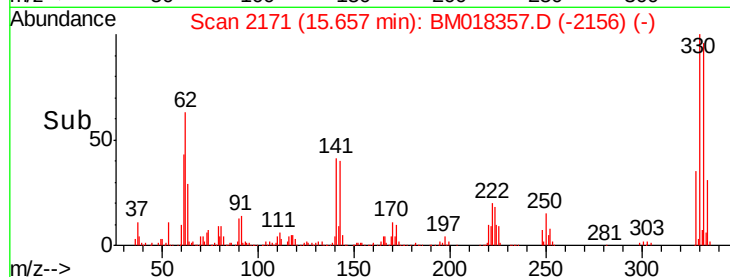
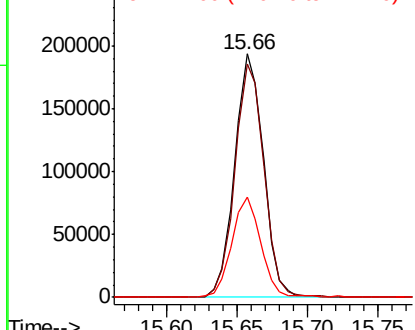
#42
 2,4,6-Tribromophenol
 Concen: 90.760 ng
 RT: 15.66 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BM018357.D
 Acq: 21 Dec 2018 13:07

Instrument :
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 P001-SS015-0006-01

Tgt Ion:330 Resp: 276136
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.6 118.0
 141 40.9 27.1 40.7#

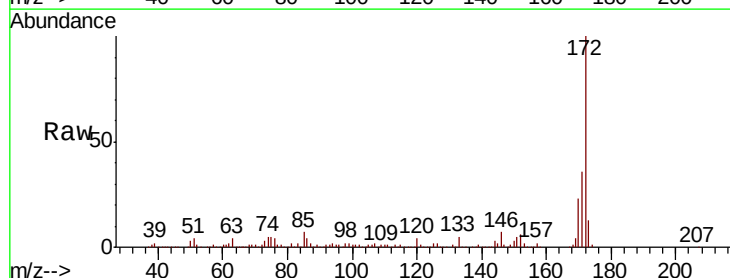


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

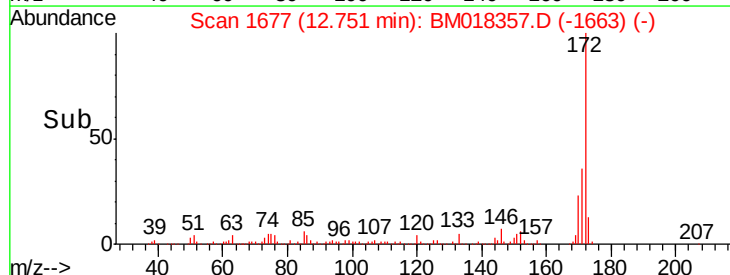
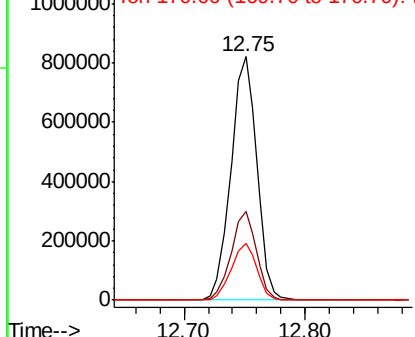


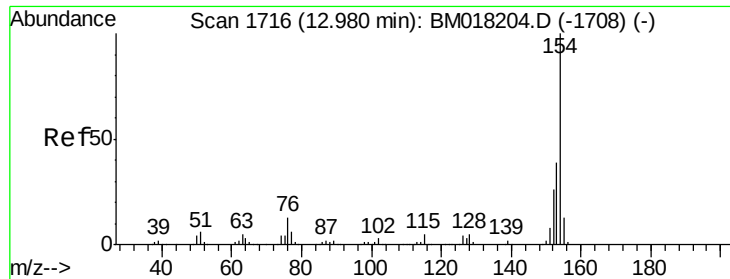
#45
 2-Fluorobiphenyl
 Concen: 77.039 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018357.D
 Acq: 21 Dec 2018 13:07

Tgt Ion:172 Resp: 1232959
 Ion Ratio Lower Upper
 172 100
 171 36.2 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

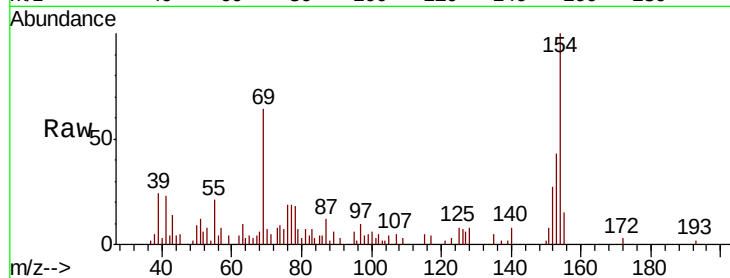




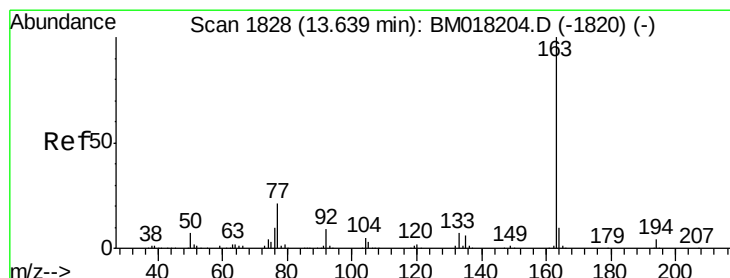
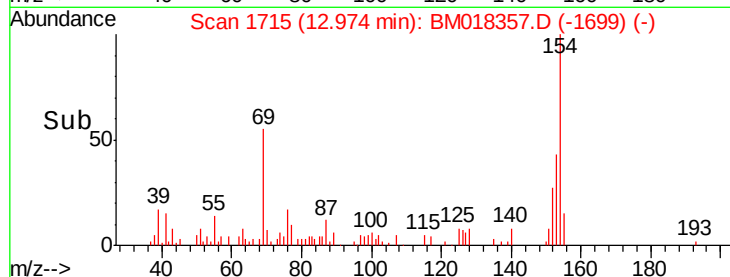
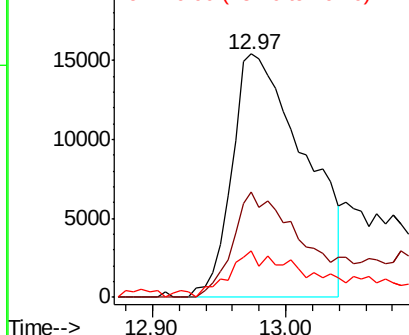
#46
 1,1'-Biphenyl
 Concen: 3.121 ng
 RT: 12.97 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM018357.D
 Acq: 21 Dec 2018 13:07

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS015-0006-01

Tgt Ion:	154	Resp:	58195
Ion	Ratio	Lower	Upper
154	100		
153	43.0	19.5	59.5
76	19.3	0.0	33.1

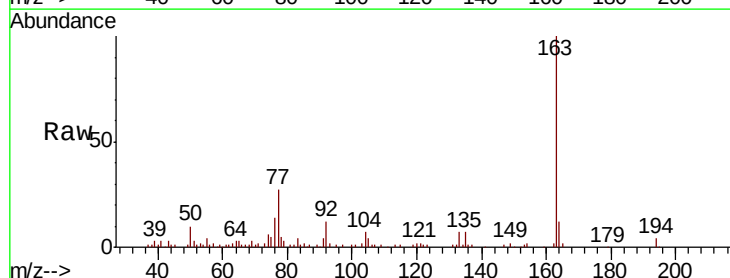


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

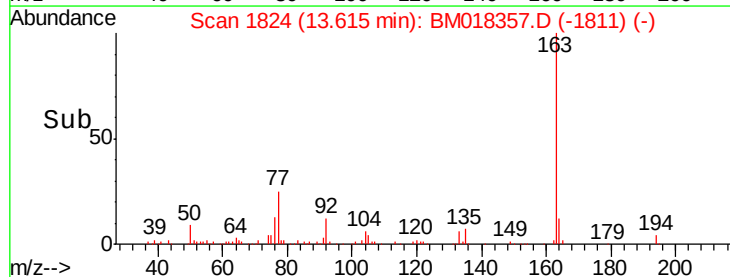
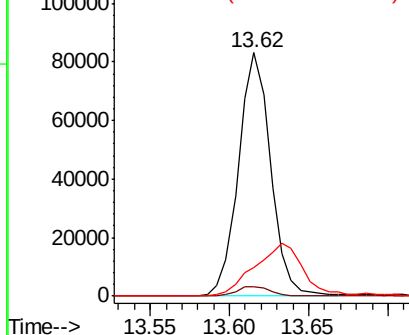


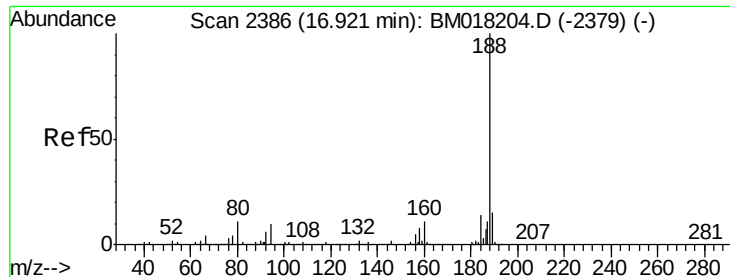
#50
 Dimethylphthalate
 Concen: 6.820 ng
 RT: 13.62 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BM018357.D
 Acq: 21 Dec 2018 13:07

Tgt Ion:	163	Resp:	117533
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	11.7	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: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

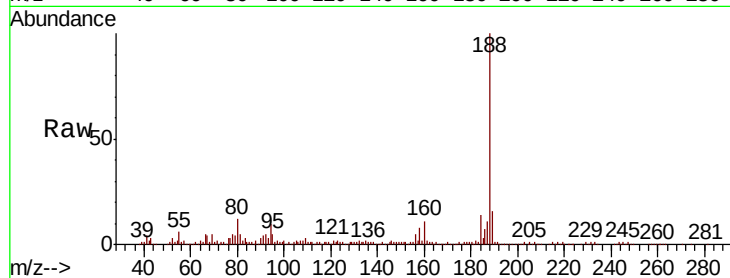
Tgt Ion:188 Resp: 374716

Ion Ratio Lower Upper

188 100

94 10.3 8.0 12.0

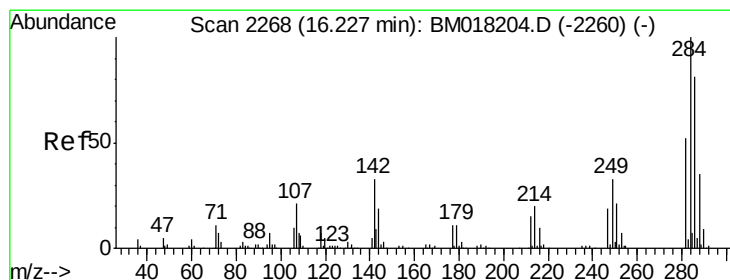
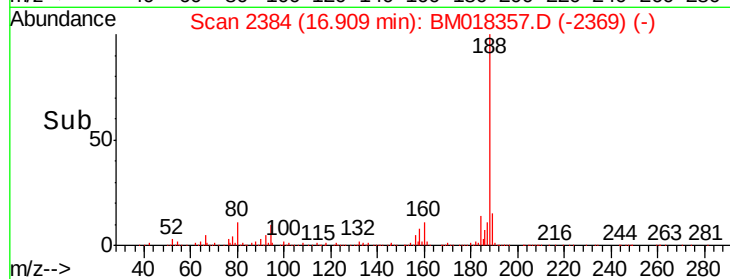
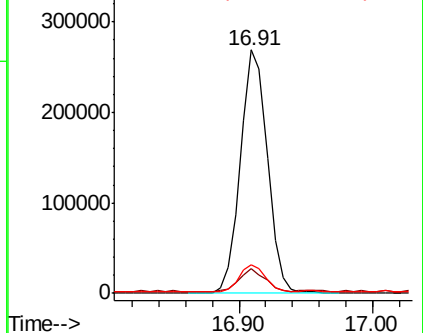
80 11.7 9.0 13.6



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



#68

Hexachlorobenzene

Concen: 8.089 ng

RT: 16.22 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

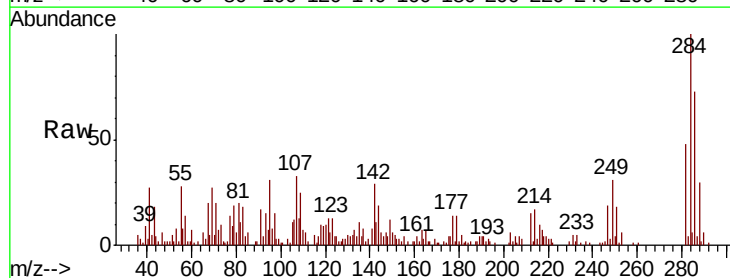
Tgt Ion:284 Resp: 40218

Ion Ratio Lower Upper

284 100

142 29.2 26.2 39.4

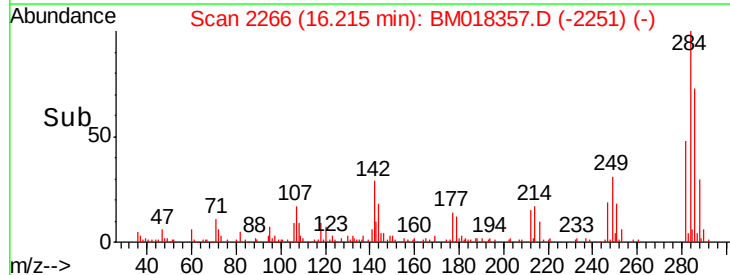
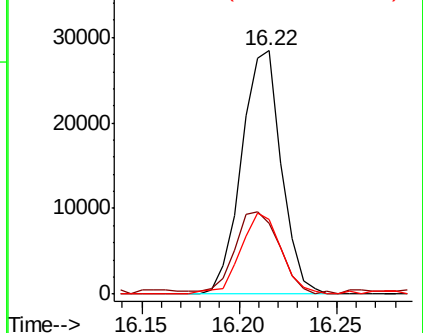
249 30.7 26.2 39.2

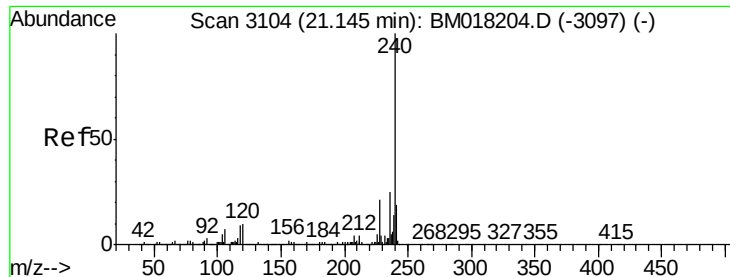


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

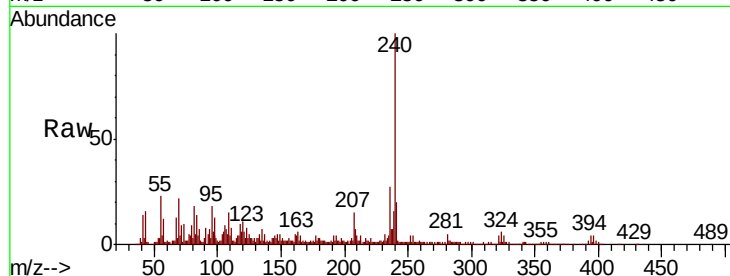
Tgt Ion:240 Resp: 441116

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.2

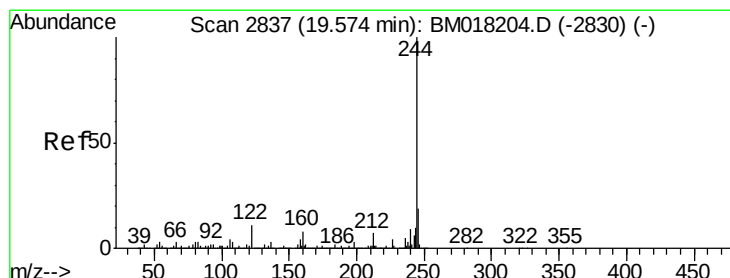
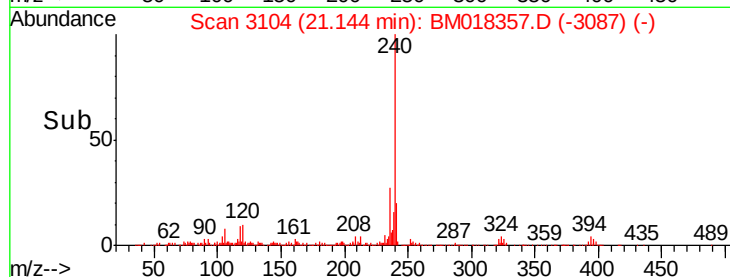
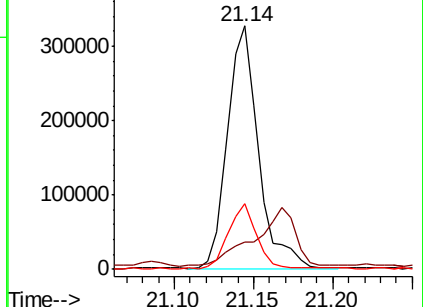
236 26.8 20.3 30.5



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



#79

Terphenyl-d14

Concen: 65.267 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

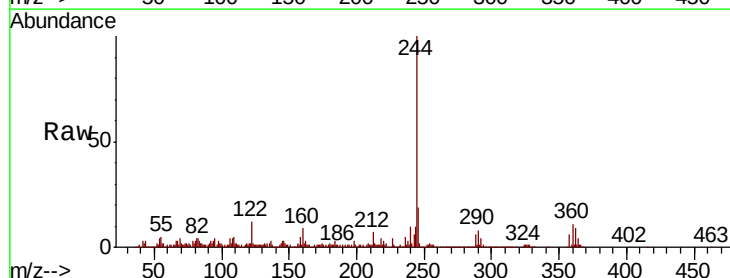
Tgt Ion:244 Resp: 1272977

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

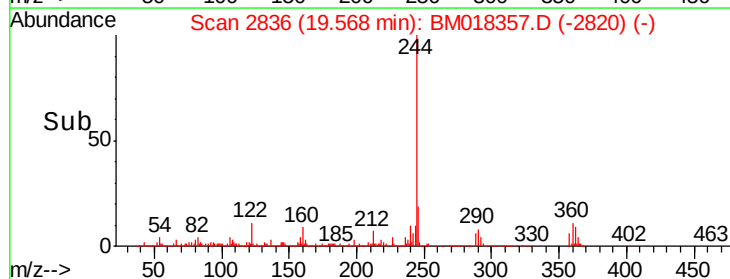
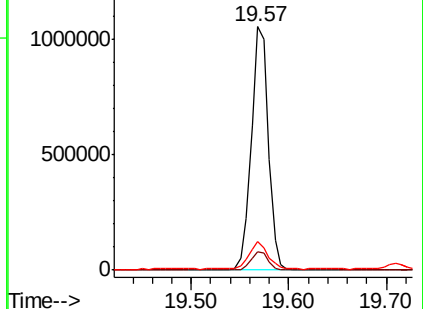
122 11.6 9.0 13.6

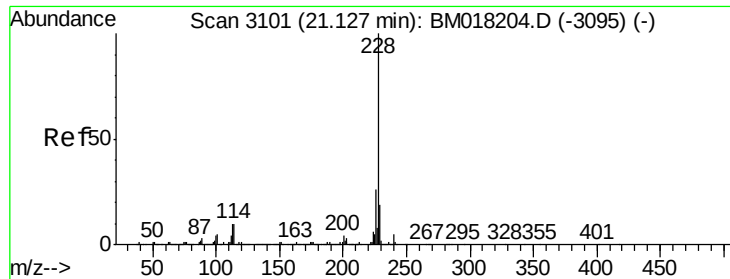


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.603 ng

RT: 21.16 min Scan# 3107

Delta R.T. 0.04 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

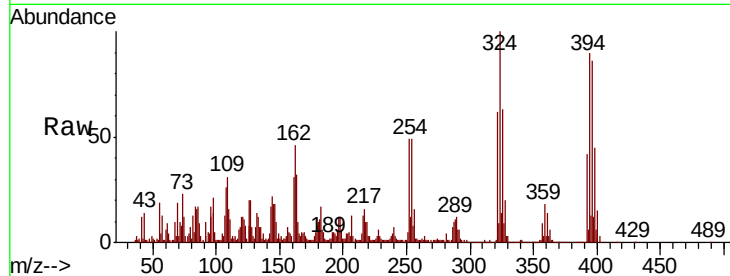
Tgt Ion:228 Resp: 67061

Ion Ratio Lower Upper

228 100

226 38.0 21.0 31.4#

229 43.6 15.5 23.3#

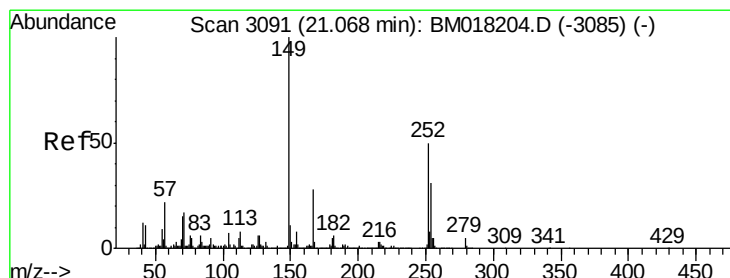
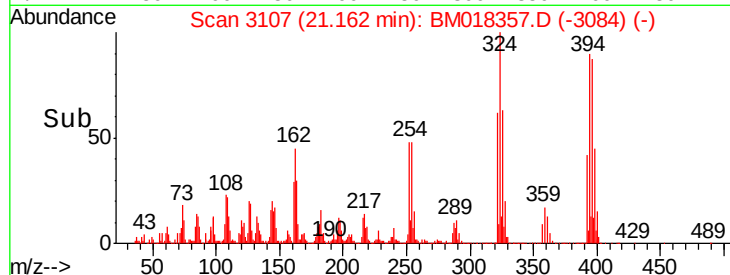
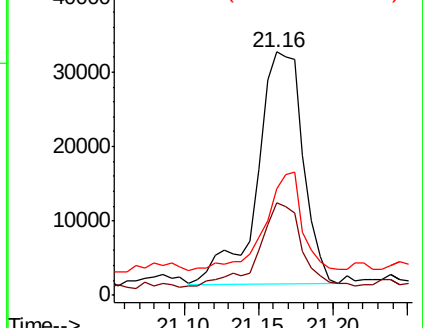


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 3.103 ng

RT: 21.09 min Scan# 3094

Delta R.T. 0.02 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

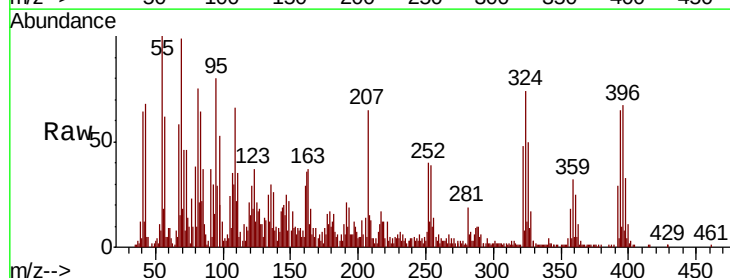
Tgt Ion:252 Resp: 31945

Ion Ratio Lower Upper

252 100

254 98.3 50.4 75.6#

126 43.0 9.4 14.0#

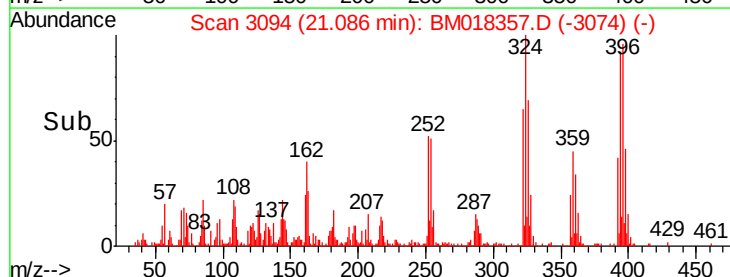
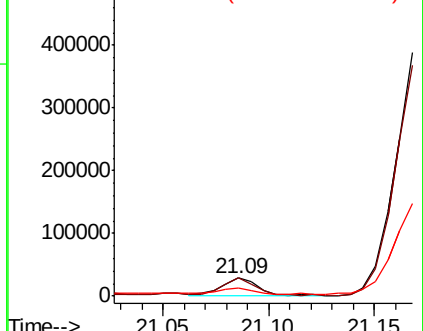


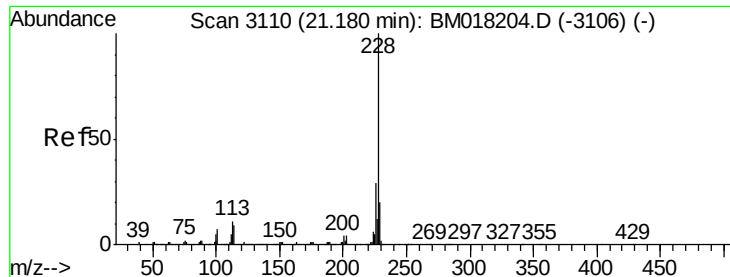
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 2.680 ng

RT: 21.16 min Scan# 3107

Delta R.T. -0.02 min

Lab File: BM018357.D

Acq: 21 Dec 2018 13:07

Instrument :

BNA_M

ClientSampleId :

P001-SS015-0006-01

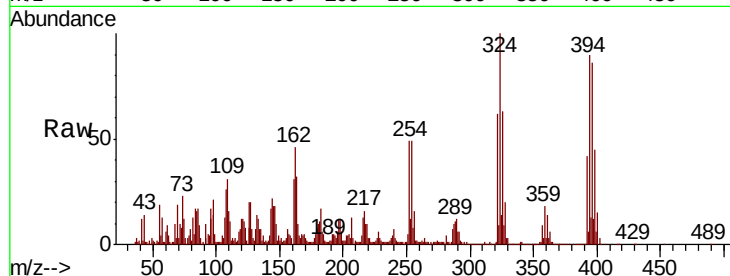
Tgt Ion: 228 Resp: 66431

Ion Ratio Lower Upper

228 100

226 38.0 23.1 34.7#

229 43.6 15.8 23.6#

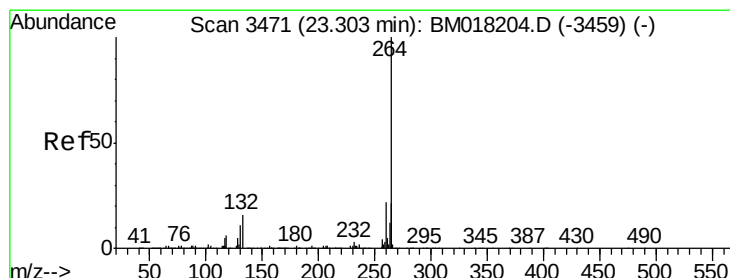
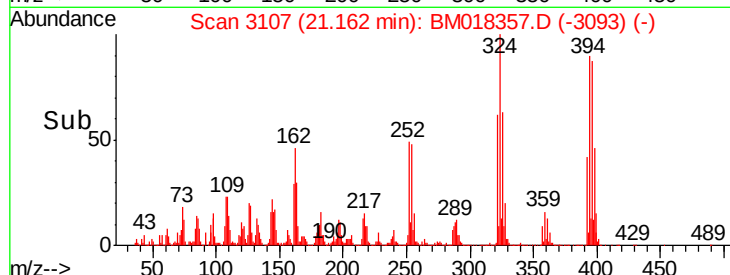
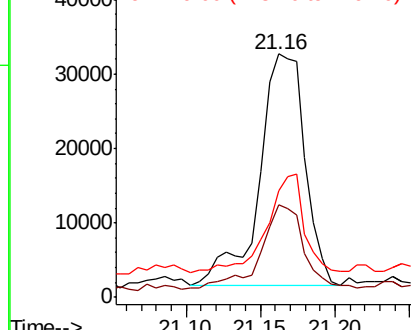


Abundance

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: BM018357.D

Acq: 21 Dec 2018 13:07

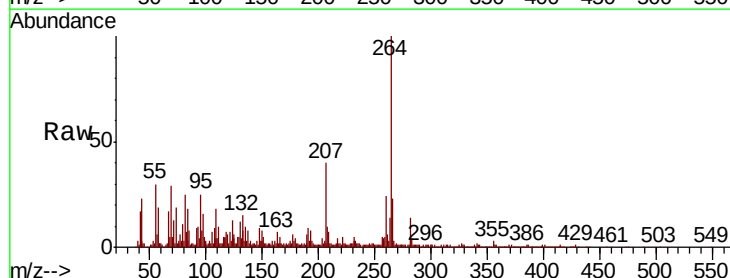
Tgt Ion: 264 Resp: 455087

Ion Ratio Lower Upper

264 100

260 24.4 17.5 26.3

265 22.9 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

