

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121918\
 Data File : BM018305.D
 Acq On : 19 Dec 2018 20:24
 Operator : JU/SJ
 Sample : J6426-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013B-3642-01

Quant Time: Dec 20 01:08:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	83836	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	298766	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	156518	20.00	ng	-0.02
64) Phenanthrene-d10	16.90	188	317701	20.00	ng	-0.02
76) Chrysene-d12	21.13	240	374054	20.00	ng	-0.02
87) Perylene-d12	23.29	264	440249	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	662236	131.95	ng	-0.01
7) Phenol-d6	6.69	99	851659	122.09	ng	-0.02
23) Nitrobenzene-d5	8.64	82	553218	94.98	ng	-0.02
42) 2,4,6-Tribromophenol	15.65	330	271901	118.36	ng	-0.02
45) 2-Fluorobiphenyl	12.75	172	1053987	87.22	ng	-0.02
79) Terphenyl-d14	19.56	244	1463693	88.50	ng	-0.01

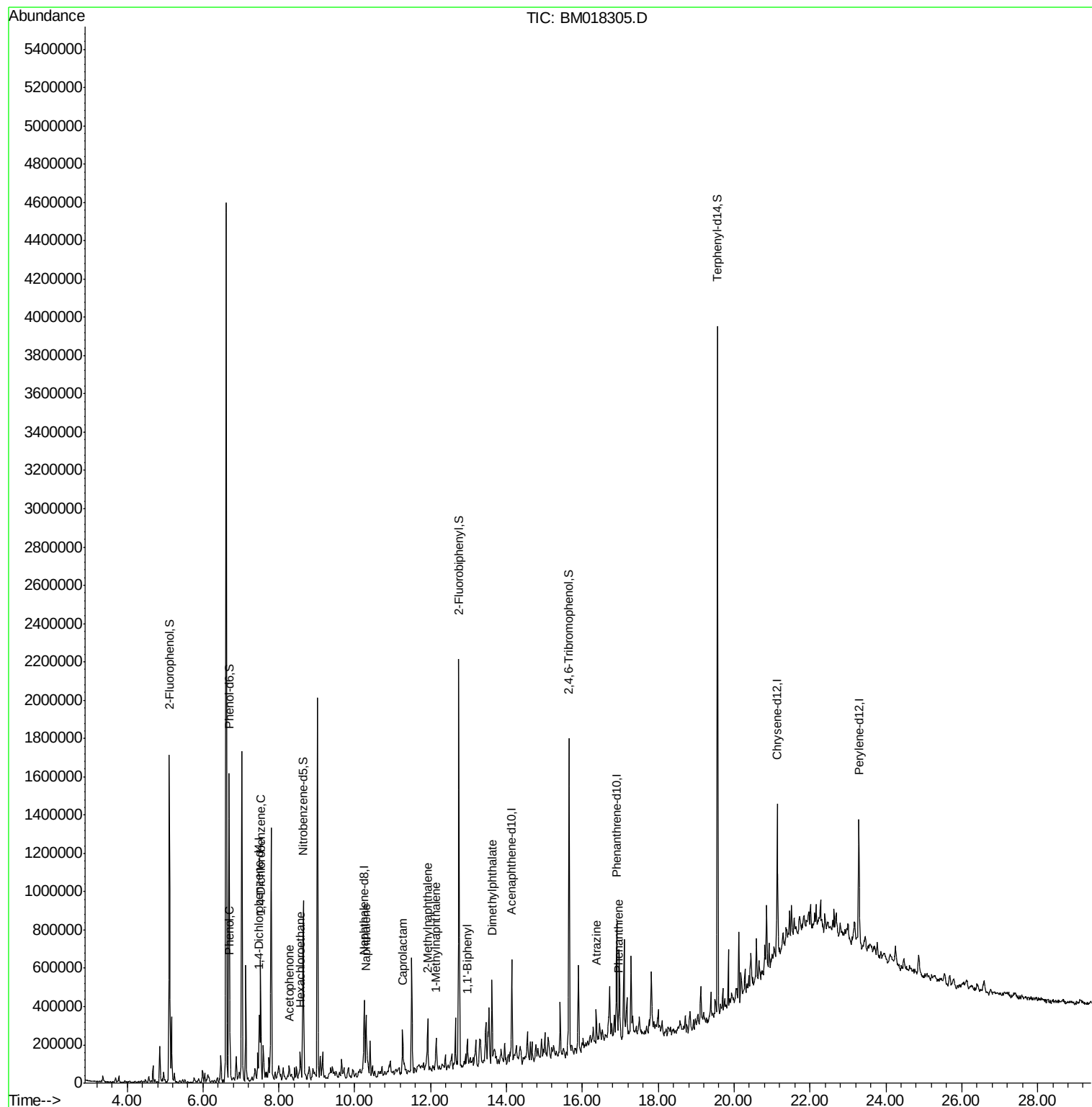
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.71	94	53437	7.234	ng	91
13) 1,4-Dichlorobenzene	7.52	146	224213	33.346	ng	97
18) Hexachloroethane	8.57	117	8479	3.440	ng	# 1
22) Acetophenone	8.27	105	28498	3.604	ng	# 62
31) Naphthalene	10.30	128	208803	14.293	ng	99
35) Caprolactam	11.26	113	9097	5.234	ng	# 15
37) 2-Methylnaphthalene	11.92	142	130742	12.690	ng	95
38) 1-Methylnaphthalene	12.15	142	74821	7.443	ng	96
46) 1,1'-Biphenyl	12.96	154	36939	2.623	ng	98
50) Dimethylphthalate	13.62	163	88005	6.763	ng	# 97
69) Atrazine	16.37	200	23598	6.653	ng	# 42
71) Phenanthrene	16.95	178	37629	2.181	ng	# 95

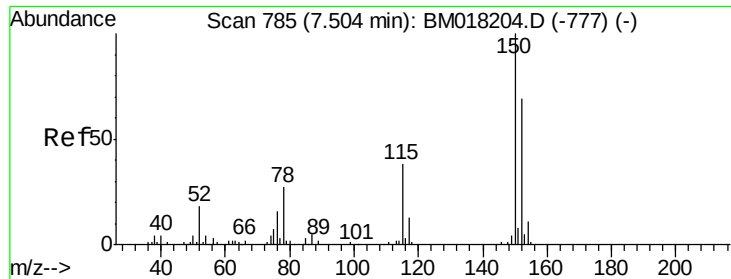
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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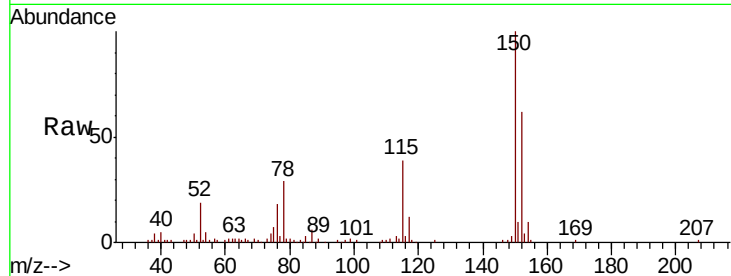


#1

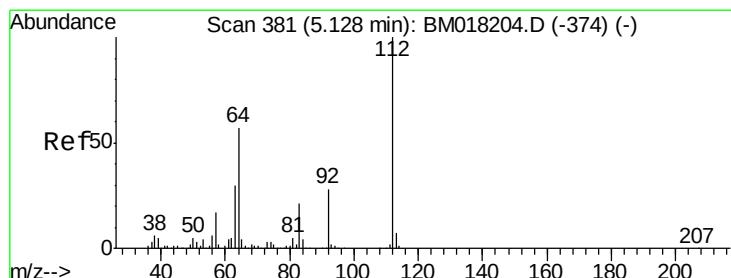
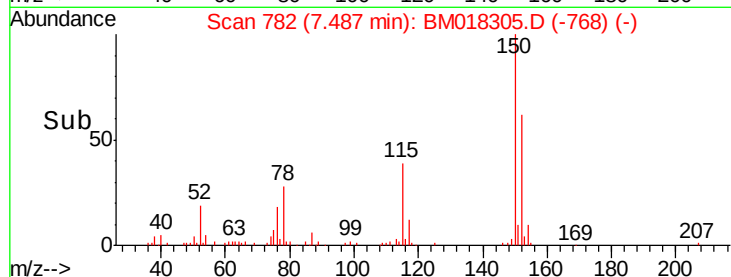
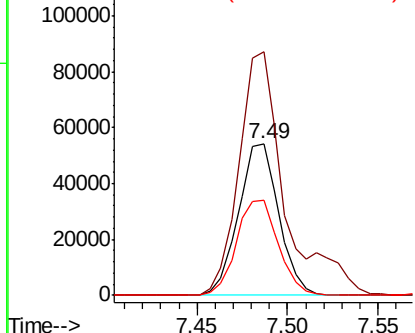
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

Instrument :
BNA_M
ClientSampleId :
P001-SS013B-3642-01

Tgt Ion:152 Resp: 83836
Ion Ratio Lower Upper
152 100
150 160.7 116.1 174.1
115 62.5 44.6 67.0



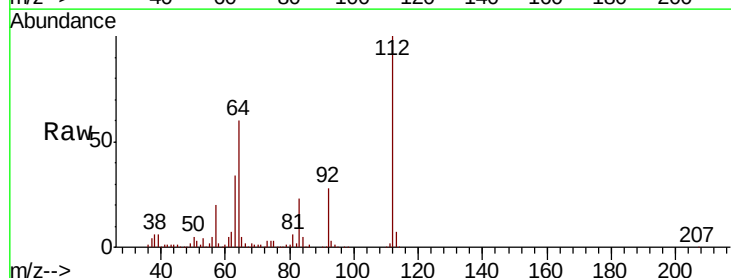
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



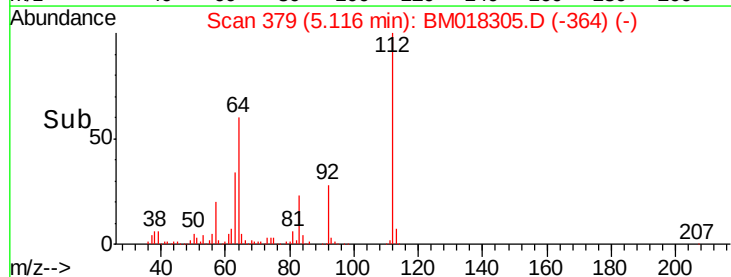
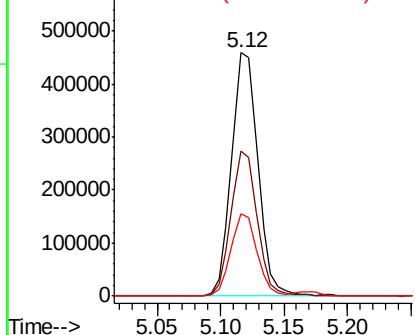
#5

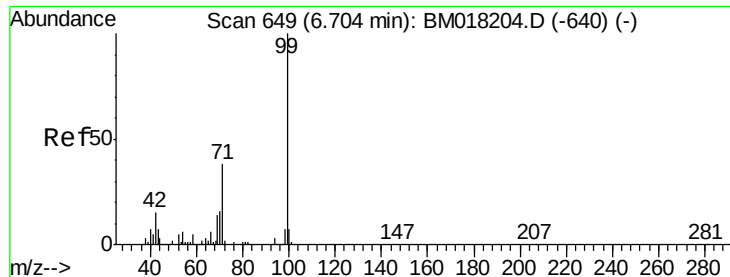
2-Fluorophenol
Concen: 131.955 ng
RT: 5.12 min Scan# 379
Delta R.T. -0.01 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

Tgt Ion:112 Resp: 662236
Ion Ratio Lower Upper
112 100
64 59.8 45.4 68.2
63 33.8 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: 122.092 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

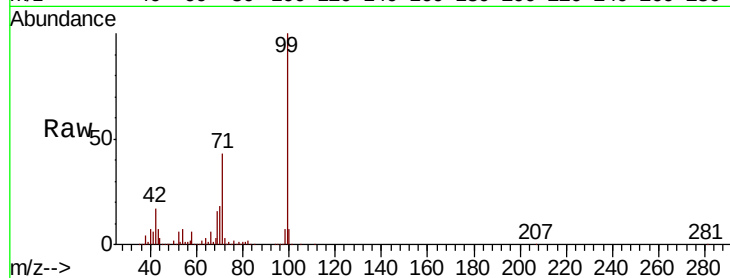
Tgt Ion: 99 Resp: 851659

Ion Ratio Lower Upper

99 100

42 17.4 12.3 18.5

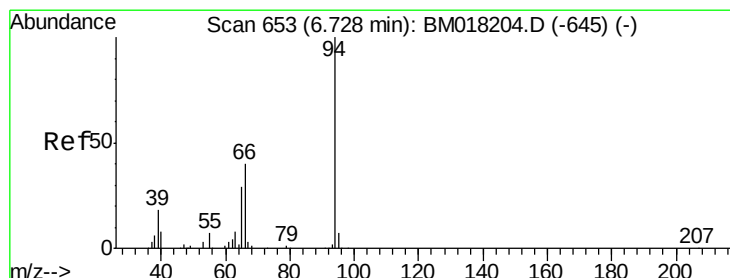
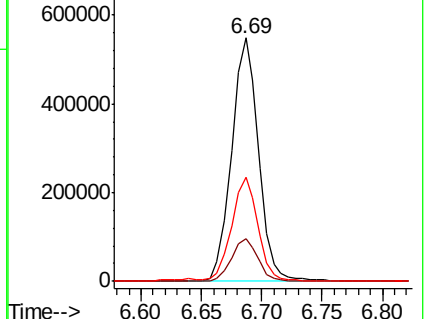
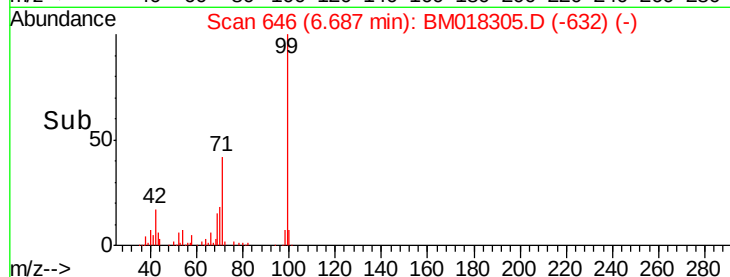
71 42.7 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018305.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018305.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018305.D (-632) (-)



#10

Phenol

Concen: 7.234 ng

RT: 6.71 min Scan# 650

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

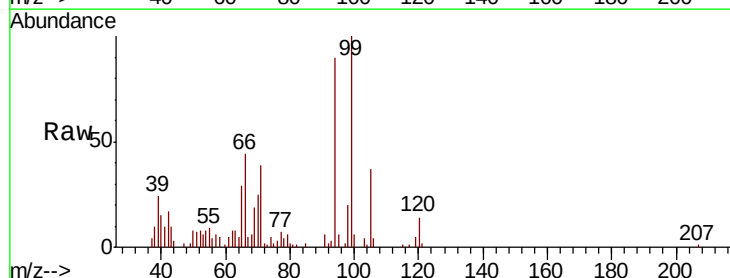
Tgt Ion: 94 Resp: 53437

Ion Ratio Lower Upper

94 100

65 32.3 9.5 49.5

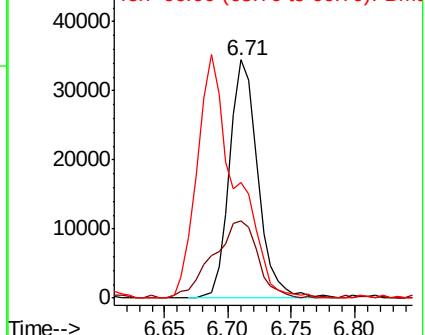
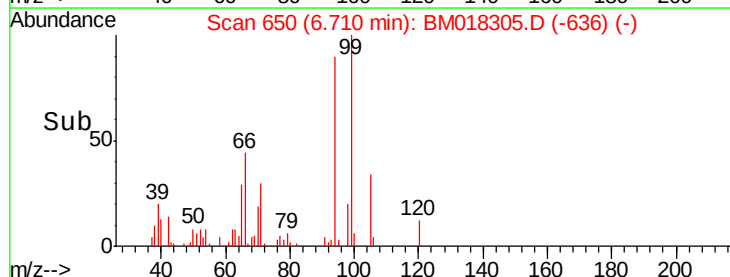
66 48.4 21.3 61.3

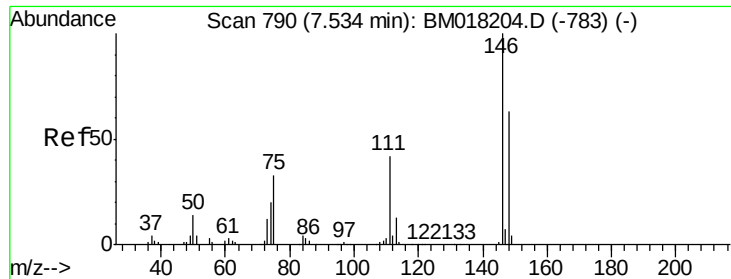


Abundance Ion 94.00 (93.70 to 94.70): BM018305.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018305.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018305.D (-636) (-)

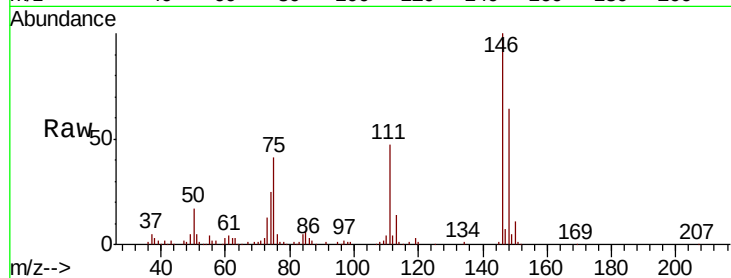




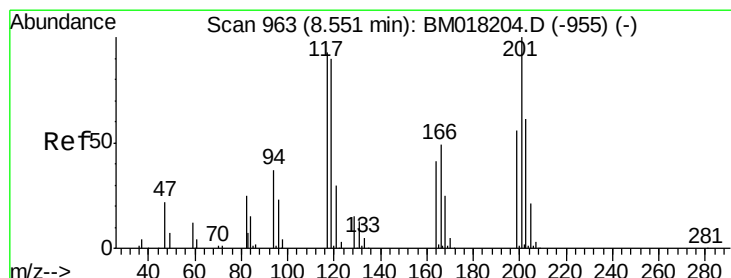
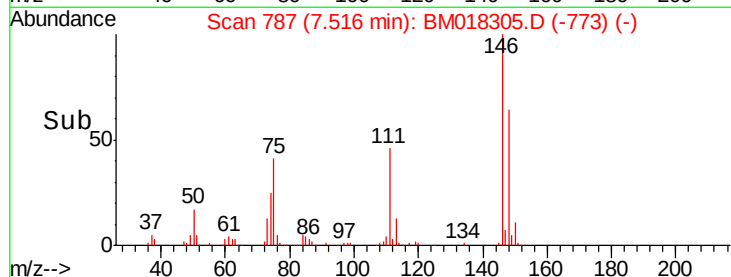
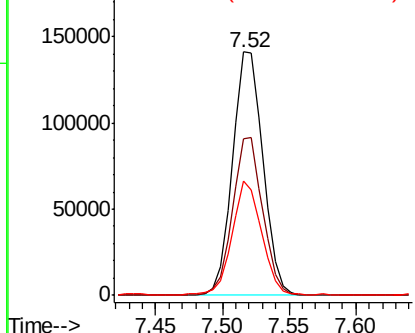
#13
 1,4-Dichlorobenzene
 Concen: 33.346 ng
 RT: 7.52 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013B-3642-01

Tgt Ion:146 Resp: 224213
 Ion Ratio Lower Upper
 146 100
 148 64.5 50.7 76.1
 111 46.8 34.2 51.2

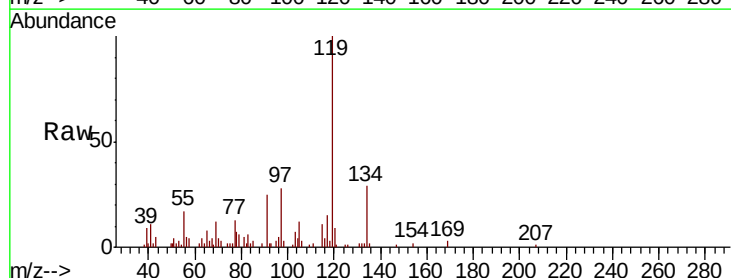


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

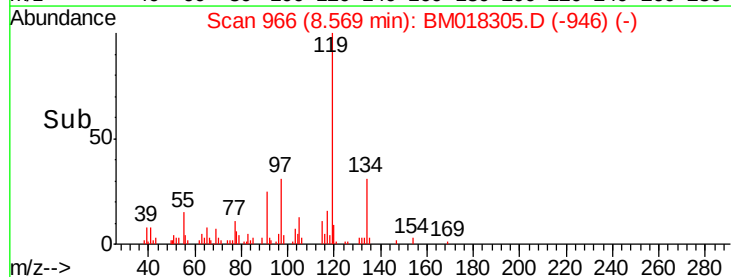
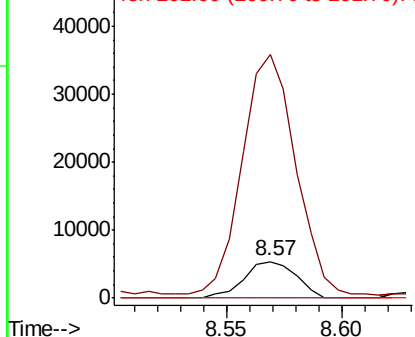


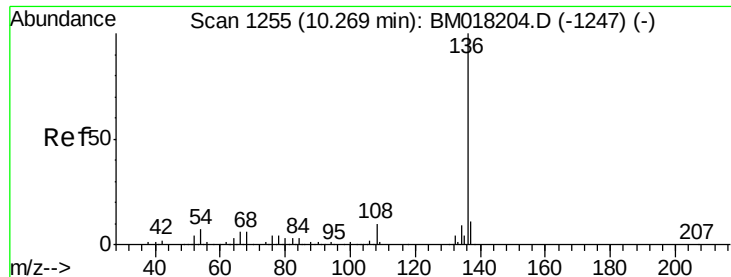
#18
 Hexachloroethane
 Concen: 3.440 ng
 RT: 8.57 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

Tgt Ion:117 Resp: 8479
 Ion Ratio Lower Upper
 117 100
 119 670.3 77.0 115.4#
 201 0.0 85.7 128.5#



Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E

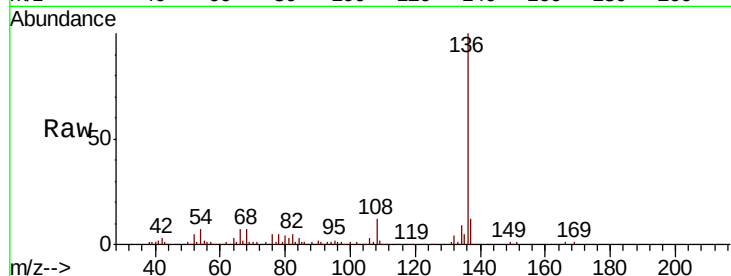




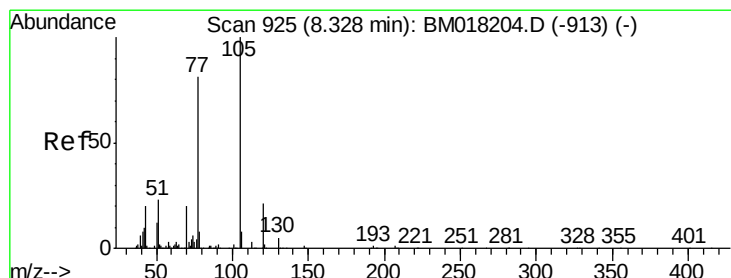
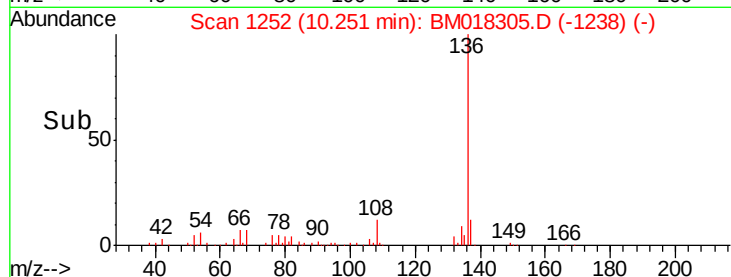
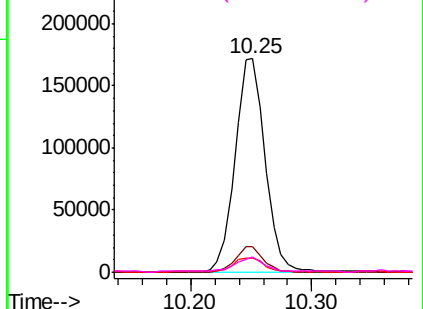
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

Instrument :
BNA_M
ClientSampleId :
P001-SS013B-3642-01

Tgt Ion:	136	Resp:	298766
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	6.5	5.2	7.8
68	7.3	5.0	7.6

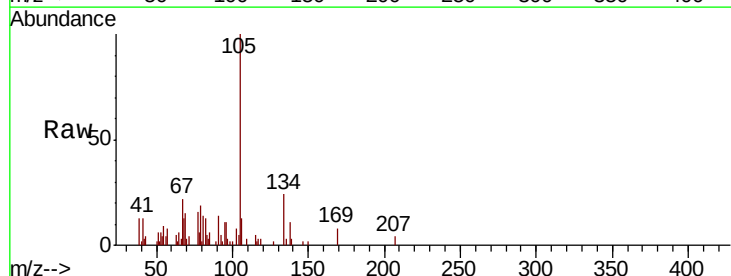


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

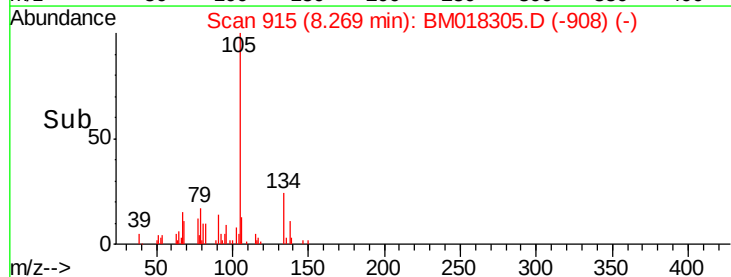
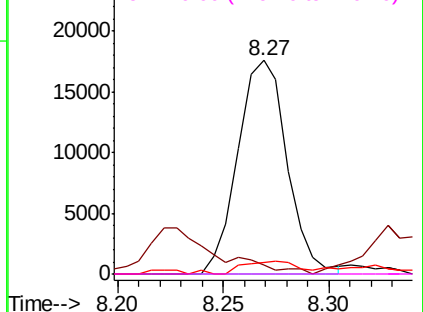


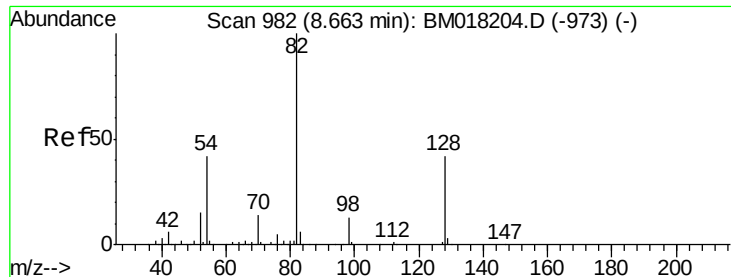
#22
Acetophenone
Concen: 3.604 ng
RT: 8.27 min Scan# 915
Delta R.T. -0.06 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

Tgt Ion:	105	Resp:	28498
Ion	Ratio	Lower	Upper
105	100		
71	4.5	2.6	4.0#
51	5.6	18.3	27.5#
120	0.0	17.0	25.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM
Ion 51.00 (50.70 to 51.70): BM
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 94.979 ng

RT: 8.64 min Scan# 978

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

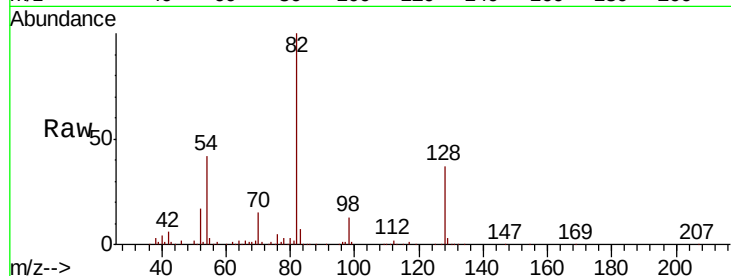
Tgt Ion: 82 Resp: 553218

Ion Ratio Lower Upper

82 100

128 36.9 33.4 50.2

54 42.4 33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BM018204.D (-973) (-)

Ion 128.00 (127.70 to 128.70): BM018204.D (-973) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-973) (-)

8.64

300000

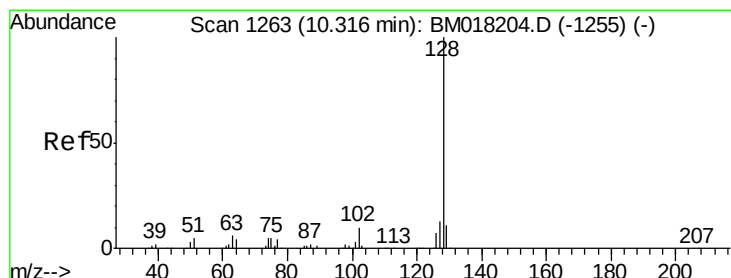
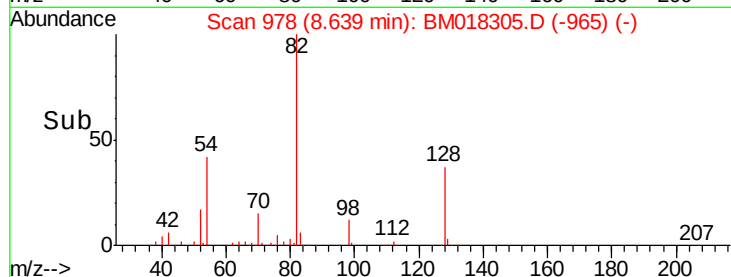
200000

100000

0

8.60 8.70

Time-->



#31

Naphthalene

Concen: 14.293 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

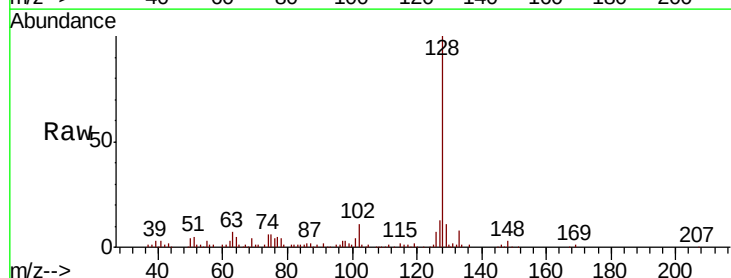
Tgt Ion: 128 Resp: 208803

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): BM018204.D (-1255) (-)

Ion 129.00 (128.70 to 129.70): BM018204.D (-1255) (-)

Ion 127.00 (126.70 to 127.70): BM018204.D (-1255) (-)

10.30

150000

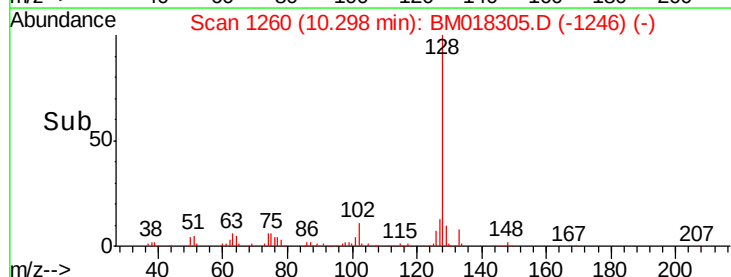
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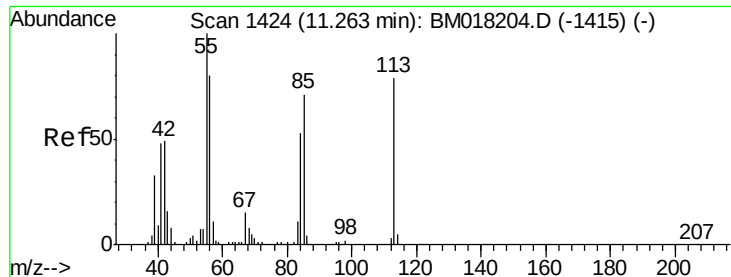
50000

0

10.30 10.40

Time-->

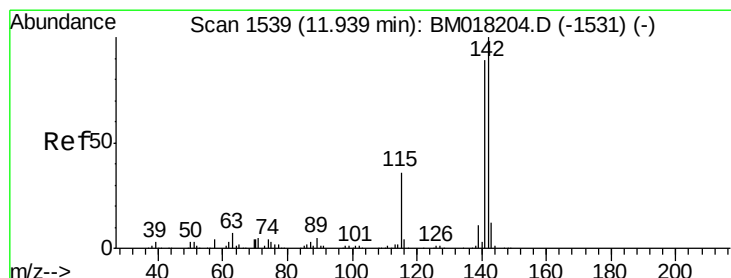
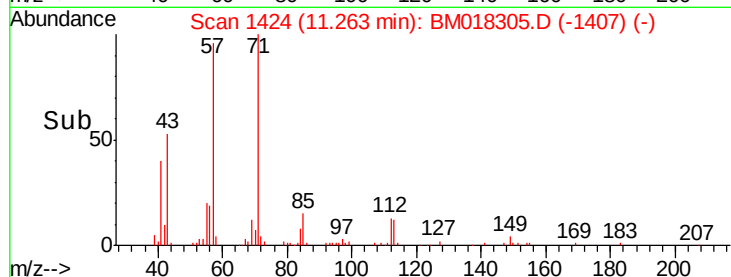
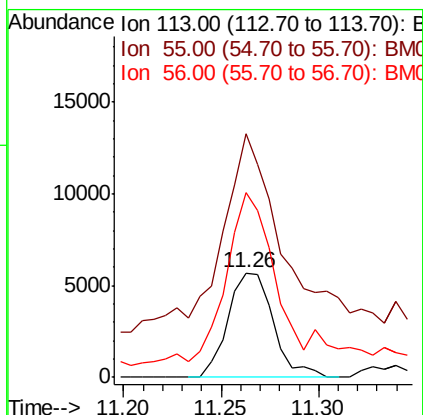
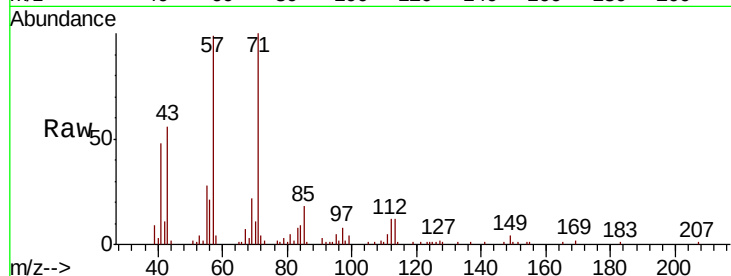




#35
 Caprolactam
 Concen: 5.234 ng
 RT: 11.26 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

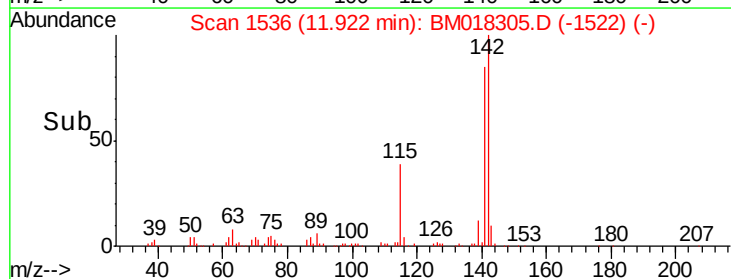
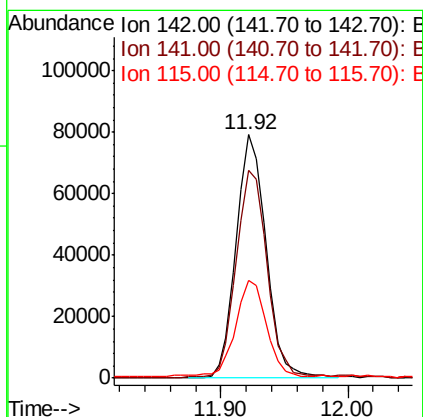
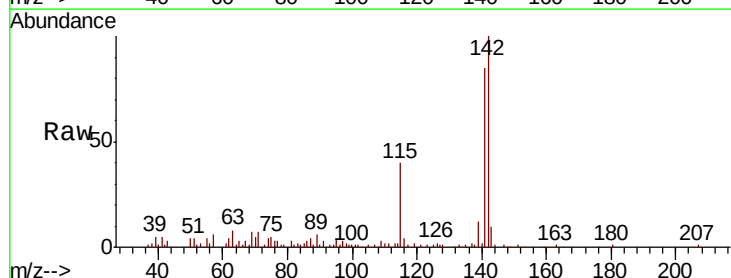
Instrument :
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 P001-SS013B-3642-01

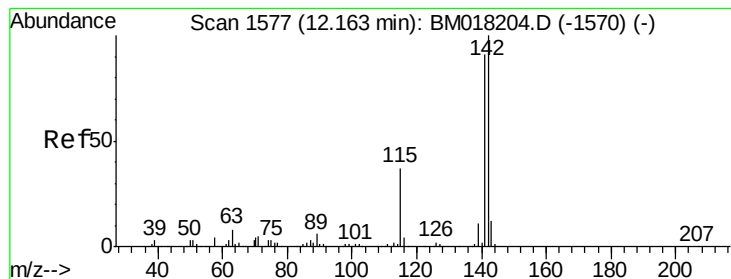
Tgt Ion:113 Resp: 9097
 Ion Ratio Lower Upper
 113 100
 55 232.5 105.9 145.9#
 56 175.9 80.1 120.1#



#37
 2-Methylnaphthalene
 Concen: 12.690 ng
 RT: 11.92 min Scan# 1536
 Delta R.T. -0.02 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

Tgt Ion:142 Resp: 130742
 Ion Ratio Lower Upper
 142 100
 141 85.2 71.4 107.2
 115 39.9 29.0 43.6





#38

1-Methylnaphthalene

Concen: 7.443 ng

RT: 12.15 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

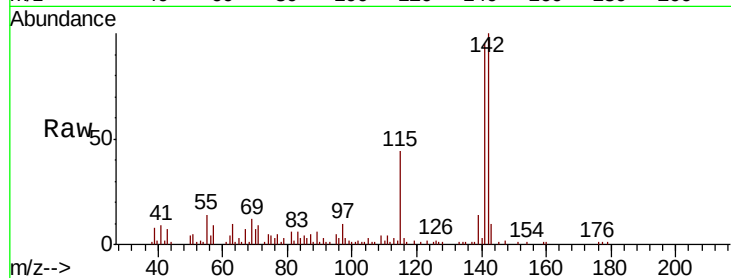
Tgt Ion:142 Resp: 74821

Ion Ratio Lower Upper

142 100

141 95.1 73.0 109.4

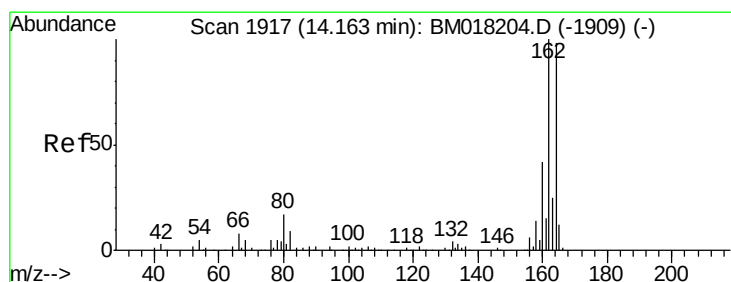
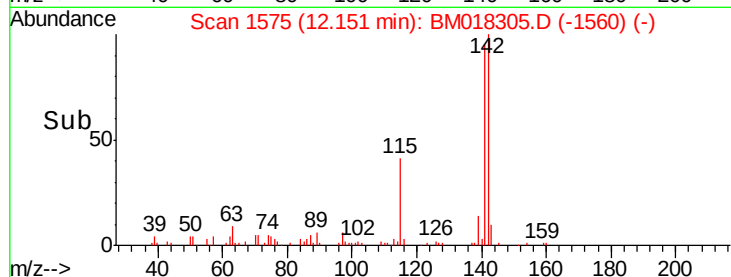
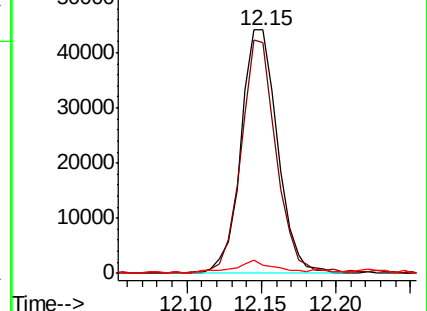
116 3.4 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

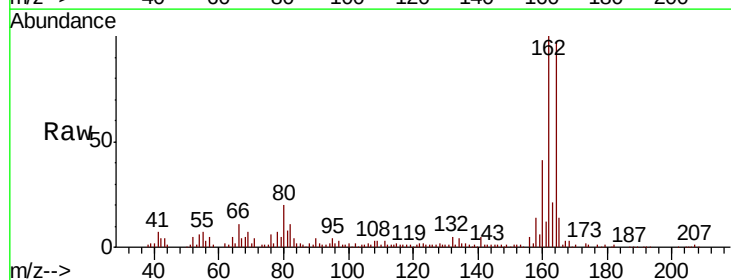
Tgt Ion:164 Resp: 156518

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.6

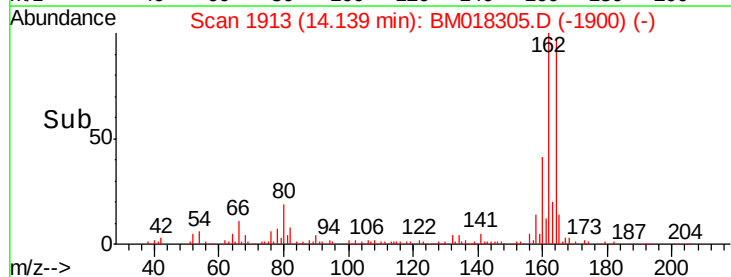
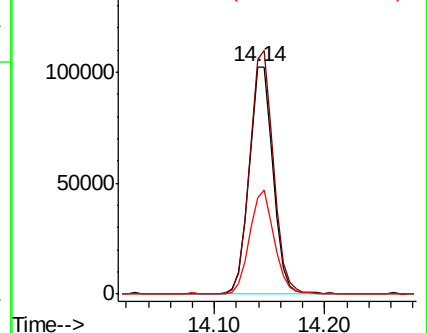
160 42.2 34.6 51.8

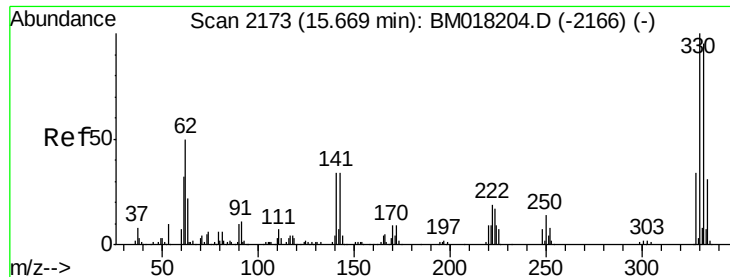


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

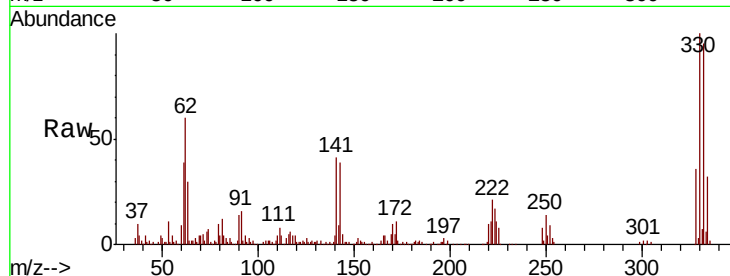




#42
 2,4,6-Tribromophenol
 Concen: 118.359 ng
 RT: 15.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013B-3642-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.6	118.0
141	38.4	27.1	40.7

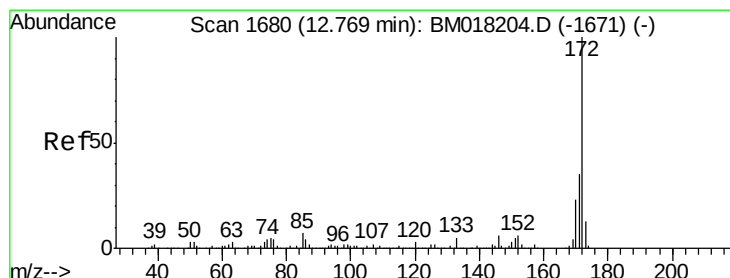
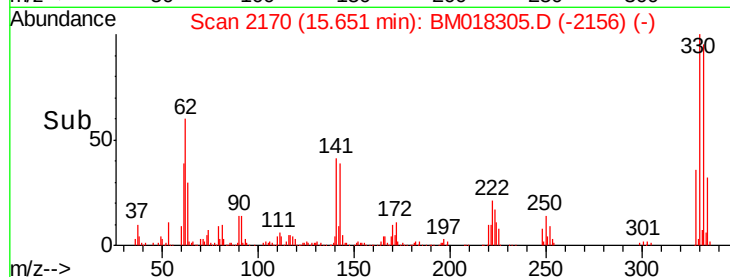
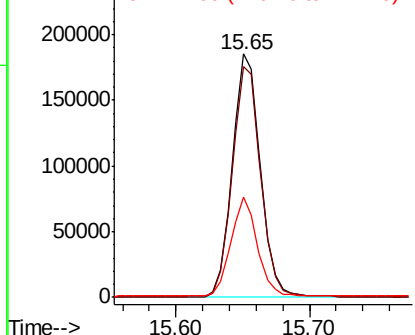


Abundance

Ion 329.80 (329.50 to 330.50): E

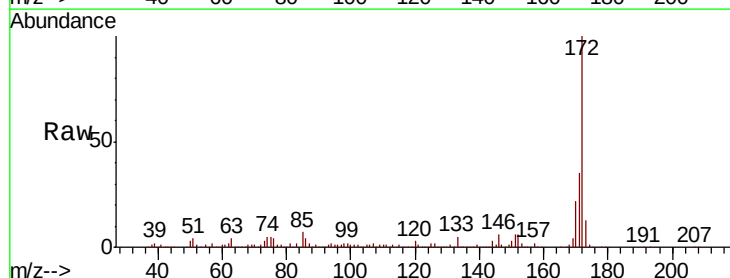
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.221 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018305.D
 Acq: 19 Dec 2018 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	22.5	18.1	27.1

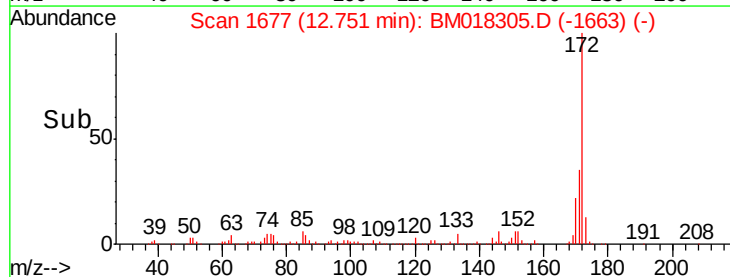
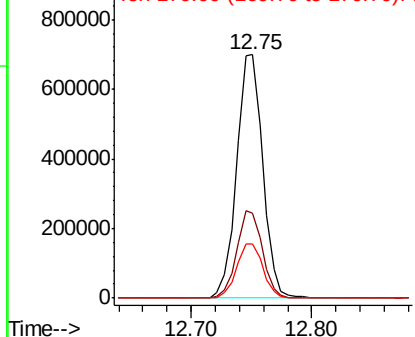


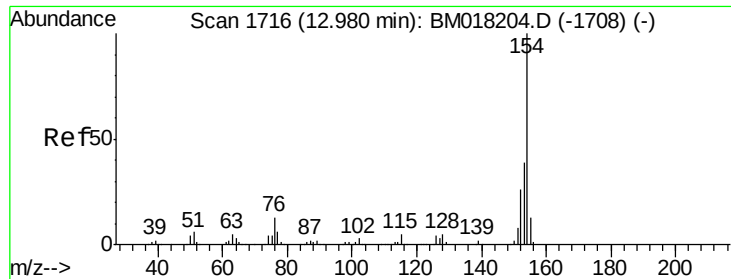
Abundance

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: 2.623 ng

RT: 12.96 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

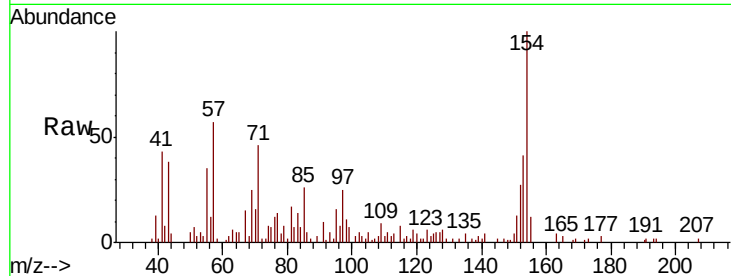
Tgt Ion:154 Resp: 36939

Ion Ratio Lower Upper

154 100

153 40.9 19.5 59.5

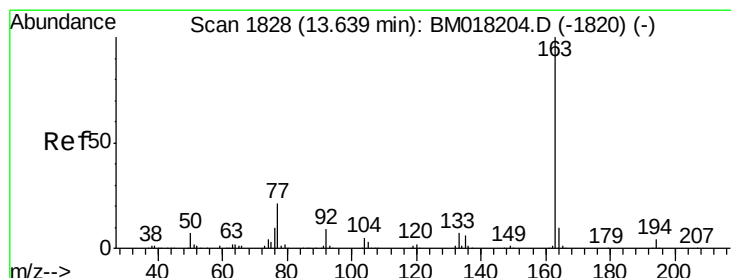
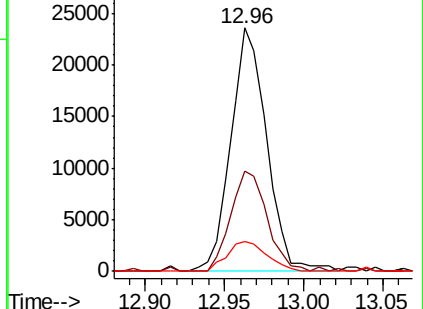
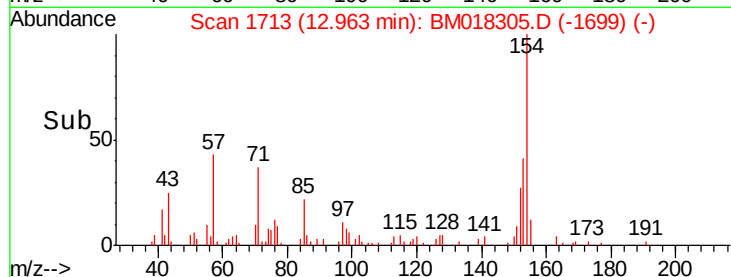
76 12.3 0.0 33.1



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: 6.763 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

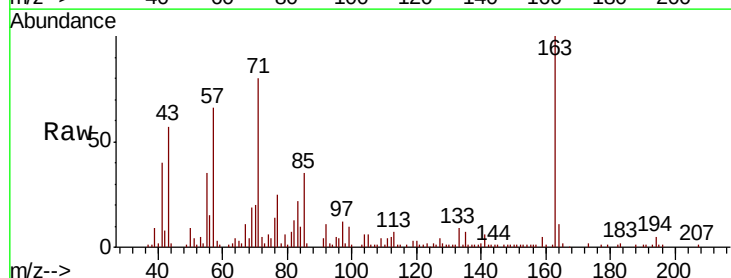
Tgt Ion:163 Resp: 88005

Ion Ratio Lower Upper

163 100

194 5.1 3.1 4.7#

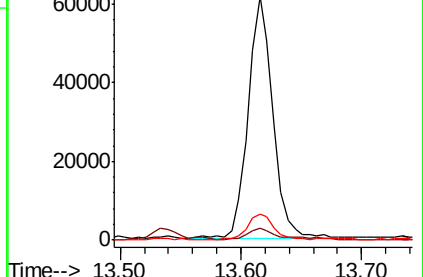
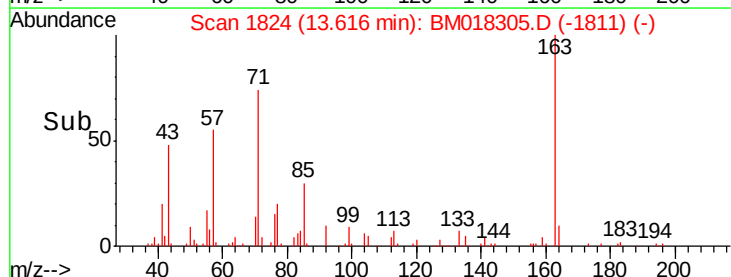
164 10.9 7.9 11.9

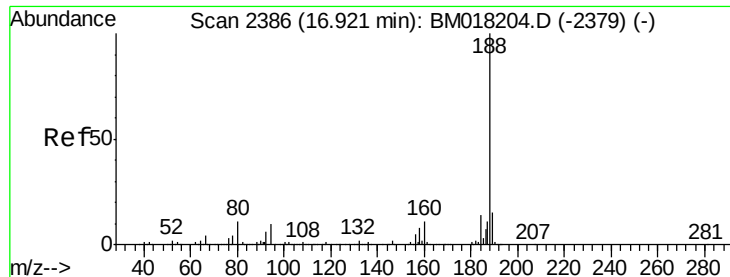


Abundance Ion 163.00 (162.70 to 163.70): E

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: 16.90 min Scan# 2383

Delta R.T. -0.02 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

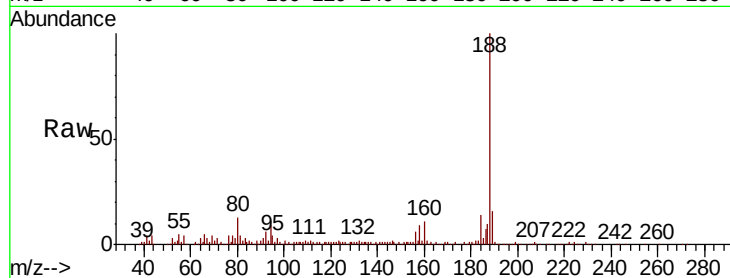
Tgt Ion:188 Resp: 317701

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

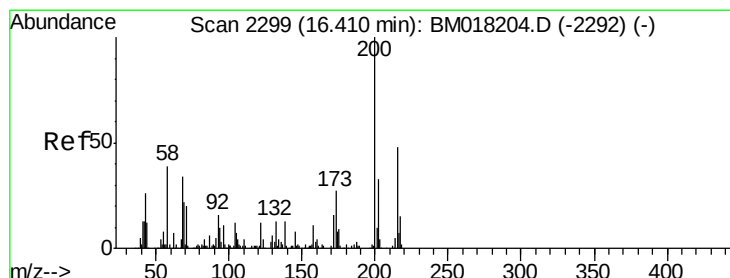
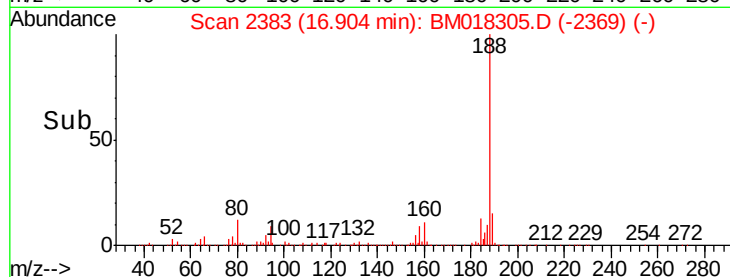
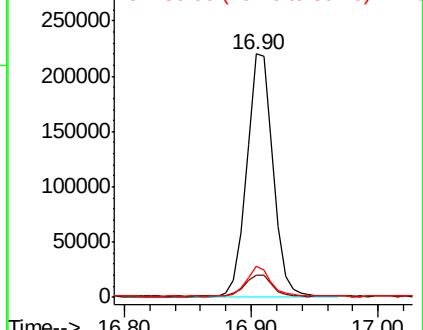
80 12.7 9.0 13.6



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



#69

Atrazine

Concen: 6.653 ng

RT: 16.37 min Scan# 2292

Delta R.T. -0.04 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

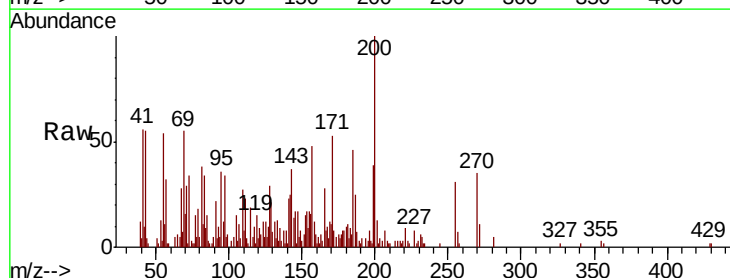
Tgt Ion:200 Resp: 23598

Ion Ratio Lower Upper

200 100

173 5.1 6.9 46.9#

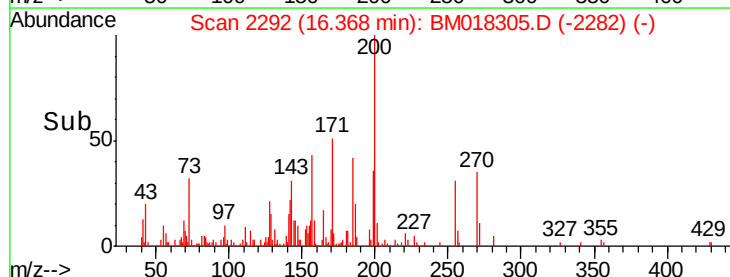
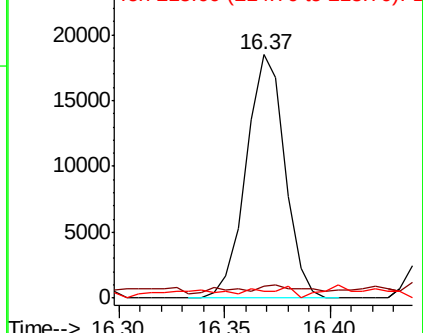
215 2.6 27.9 67.9#

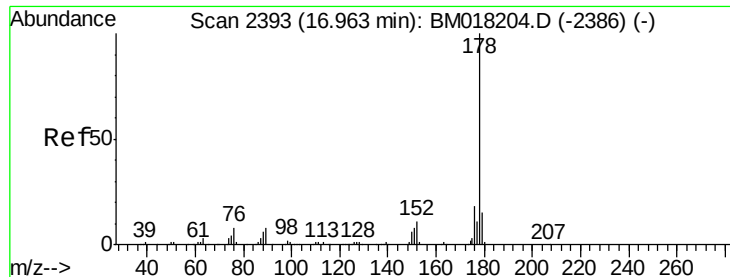


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

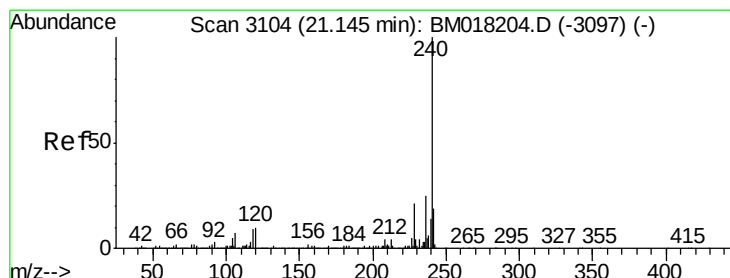
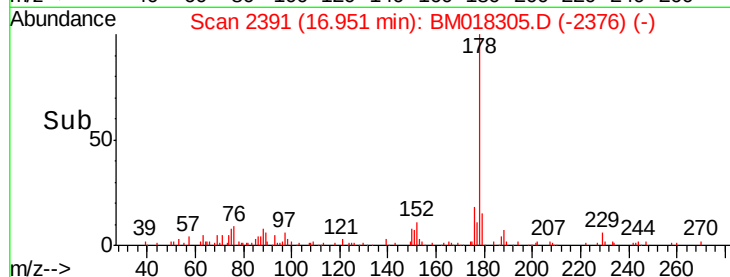
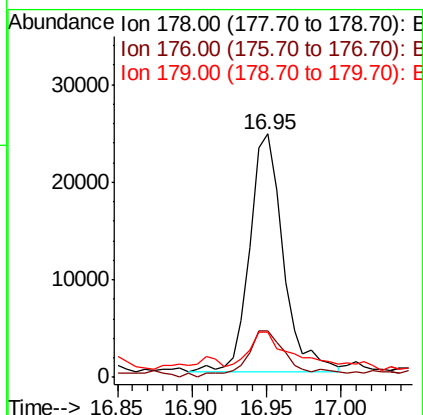
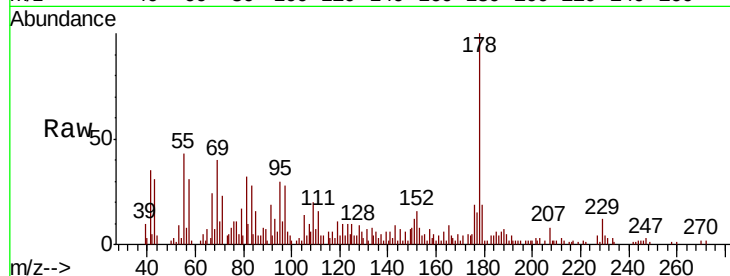




#71
Phenanthrene
Concen: 2.181 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

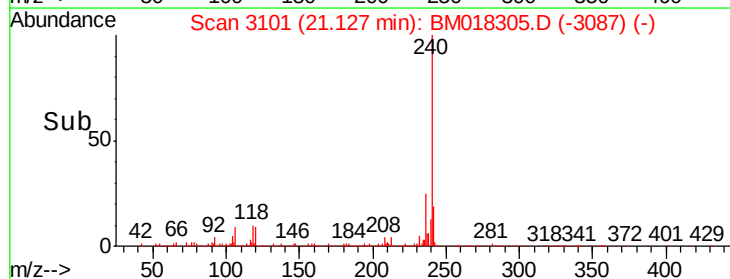
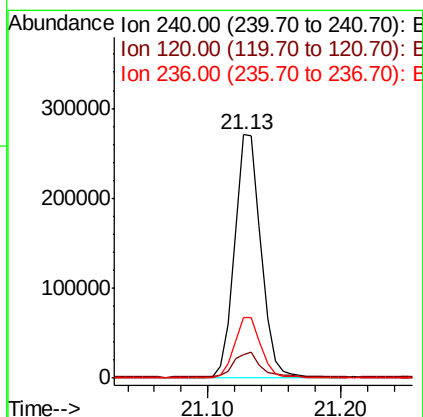
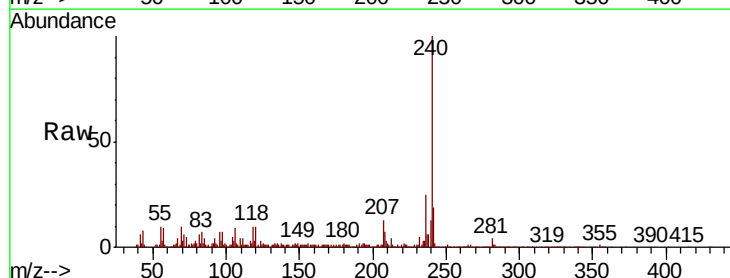
Instrument :
BNA_M
ClientSampleId :
P001-SS013B-3642-01

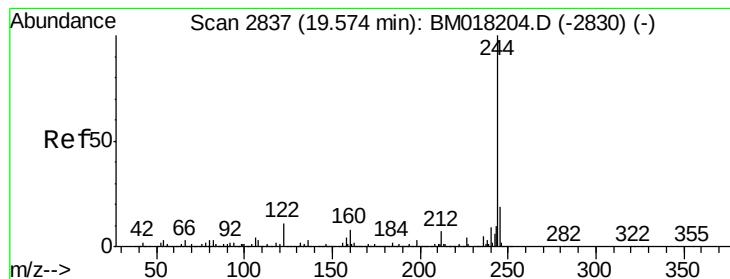
Tgt Ion:178 Resp: 37629
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 18.7 12.0 18.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018305.D
Acq: 19 Dec 2018 20:24

Tgt Ion:240 Resp: 374054
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 24.7 20.3 30.5





#79

Terphenyl-d14

Concen: 88.500 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-3642-01

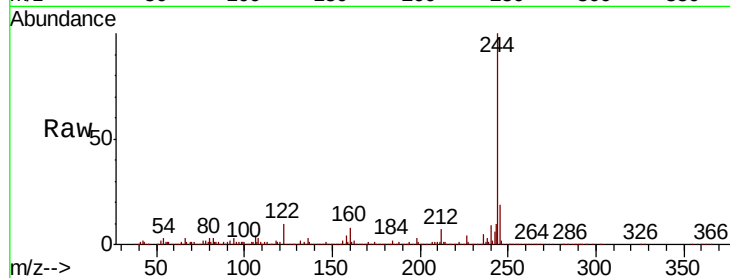
Tgt Ion:244 Resp: 1463693

Ion Ratio Lower Upper

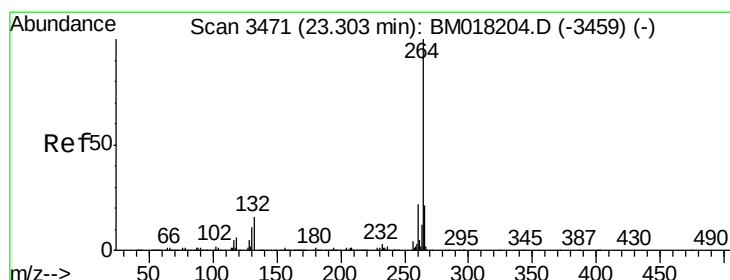
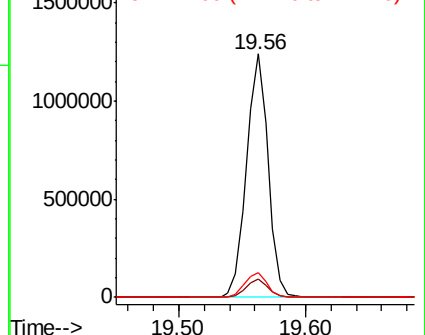
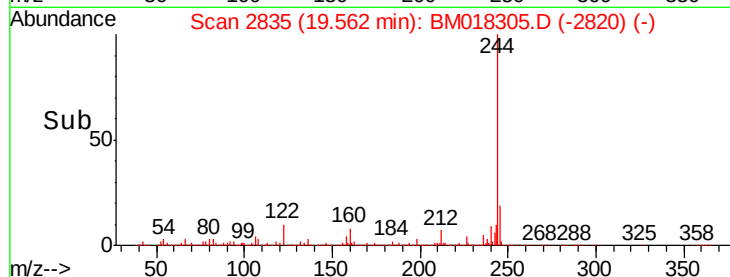
244 100

212 7.3 5.8 8.8

122 10.3 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BM018305.D

Acq: 19 Dec 2018 20:24

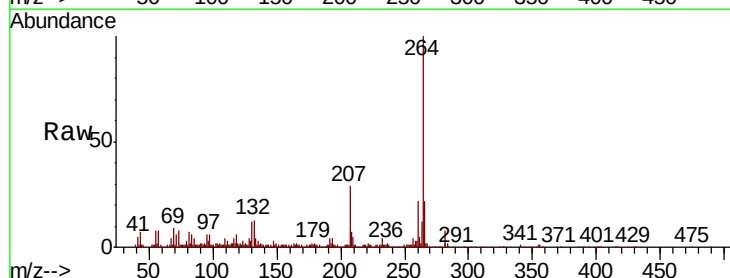
Tgt Ion:264 Resp: 440249

Ion Ratio Lower Upper

264 100

260 21.9 17.5 26.3

265 21.5 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

