

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121918\
 Data File : BM018307.D
 Acq On : 19 Dec 2018 21:36
 Operator : JU/SJ
 Sample : J6426-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013B-4248-01

Quant Time: Dec 20 01:08:22 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	112692	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	397591	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	202651	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	424301	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	493491	20.00	ng	-0.01
87) Perylene-d12	23.29	264	555704	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	1082355	160.44	ng	0.00
7) Phenol-d6	6.69	99	1440807	153.66	ng	-0.01
23) Nitrobenzene-d5	8.65	82	903769	116.60	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	451313	151.73	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	1731138	110.64	ng	-0.02
79) Terphenyl-d14	19.56	244	2432941	111.50	ng	-0.01

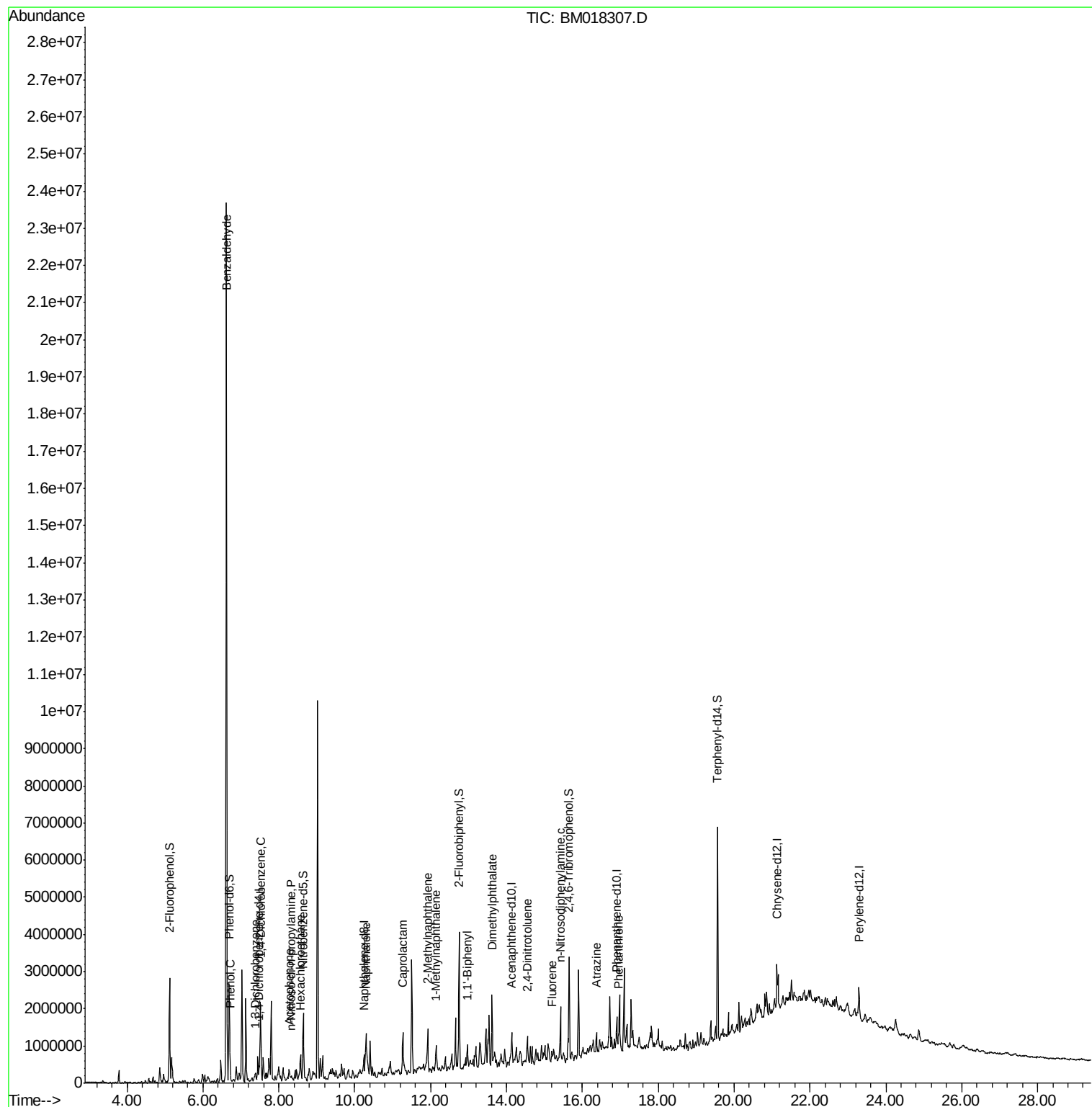
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	13141	2.299	ng	# 1
10) Phenol	6.72	94	84138	8.473	ng	# 89
12) 1,3-Dichlorobenzene	7.37	146	18666	2.097	ng	# 94
13) 1,4-Dichlorobenzene	7.52	146	733751	81.183	ng	# 99
18) Hexachloroethane	8.57	117	38119	11.507	ng	# 1
19) n-Nitroso-di-n-propylamine	8.33	70	16638	2.376	ng	# 65
22) Acetophenone	8.27	105	124111	11.796	ng	# 61
31) Naphthalene	10.30	128	719933	37.031	ng	# 99
35) Caprolactam	11.27	113	51897	22.437	ng	# 56
37) 2-Methylnaphthalene	11.92	142	535585	39.064	ng	# 96
38) 1-Methylnaphthalene	12.14	142	287573	21.495	ng	# 98
46) 1,1'-Biphenyl	12.96	154	156119	8.563	ng	# 98
50) Dimethylphthalate	13.62	163	134337	7.974	ng	# 96
57) 2,4-Dinitrotoluene	14.55	165	16248	3.174	ng	# 56
58) Fluorene	15.20	166	42431	2.767	ng	# 80
66) n-Nitrosodiphenylamine	15.42	169	65892	4.696	ng	# 41
69) Atrazine	16.37	200	72684	15.345	ng	# 42
71) Phenanthrene	16.95	178	207070	8.985	ng	# 97

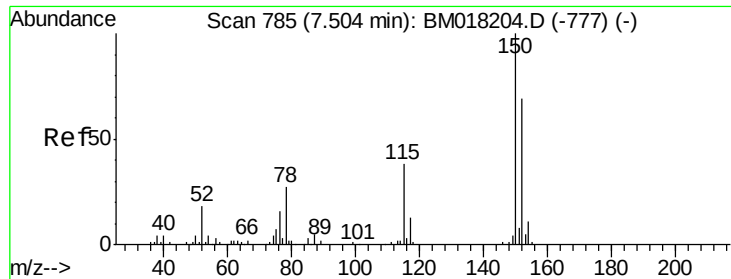
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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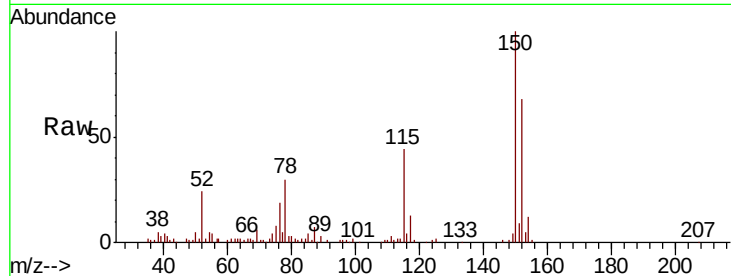


#1

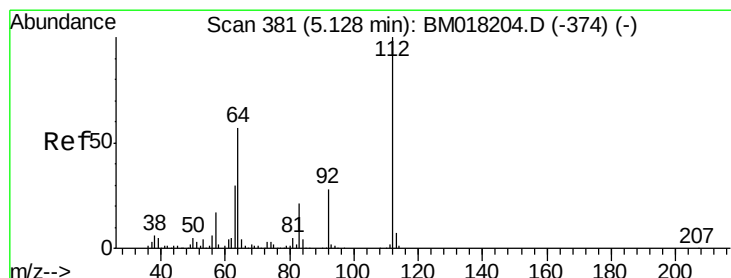
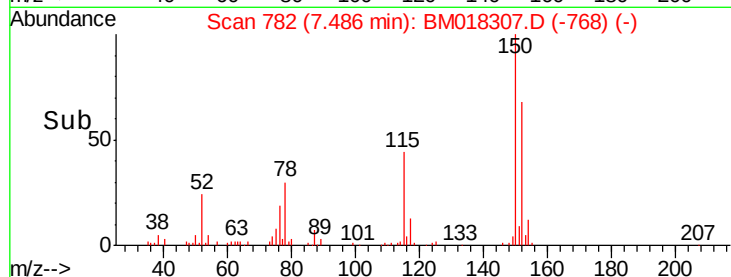
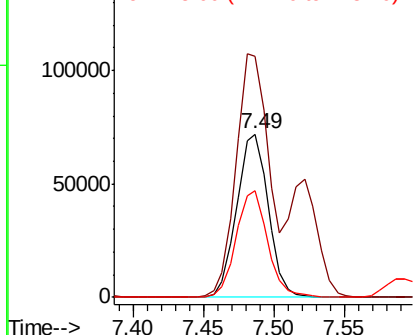
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Instrument :
BNA_M
ClientSampleId :
P001-SS013B-4248-01

Tgt Ion:152 Resp: 112692
Ion Ratio Lower Upper
152 100
150 147.8 116.1 174.1
115 65.1 44.6 67.0



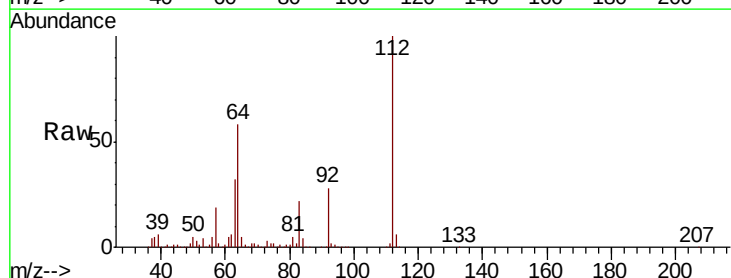
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



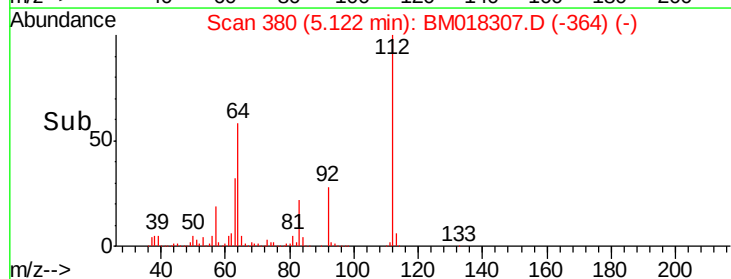
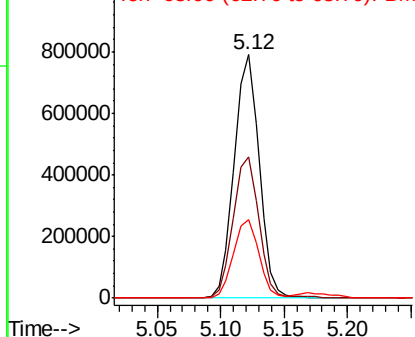
#5

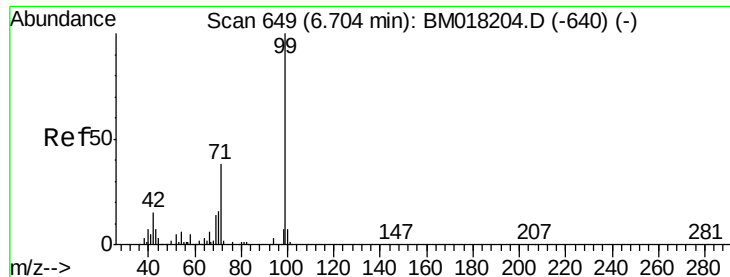
2-Fluorophenol
Concen: 160.442 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:112 Resp: 1082355
Ion Ratio Lower Upper
112 100
64 58.0 45.4 68.2
63 32.0 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: 153.662 ng

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-4248-01

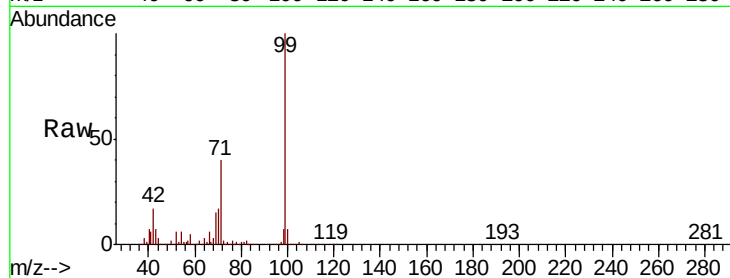
Tgt Ion: 99 Resp: 1440807

Ion Ratio Lower Upper

99 100

42 16.5 12.3 18.5

71 39.9 30.2 45.2

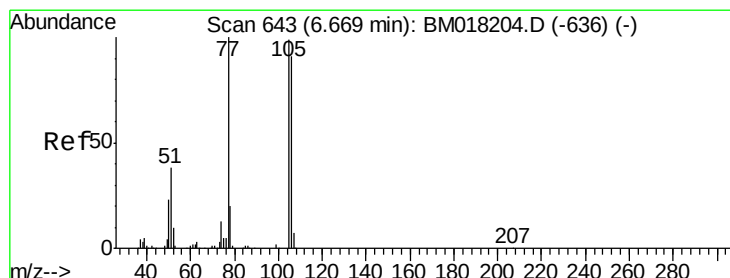
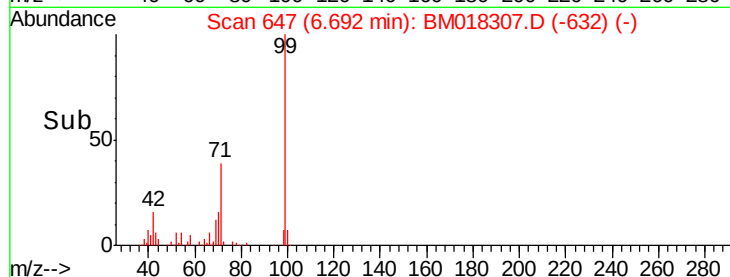
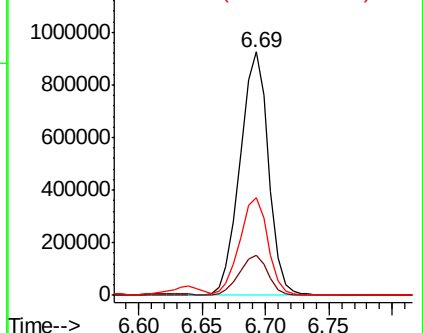


Abundance

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) (-)



#9

Benzaldehyde

Concen: 2.299 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.05 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

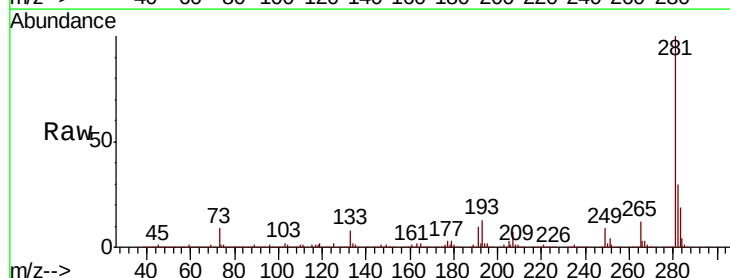
Tgt Ion: 77 Resp: 13141

Ion Ratio Lower Upper

77 100

105 429.4 78.8 118.8#

106 61.9 70.7 110.7#

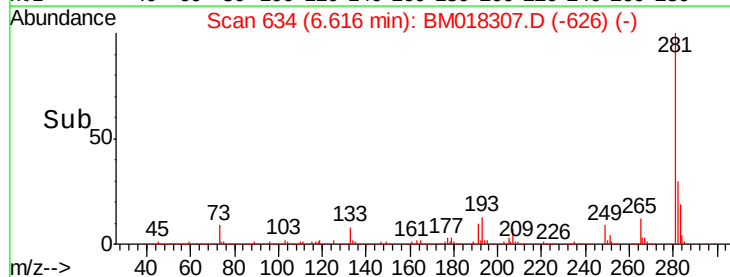
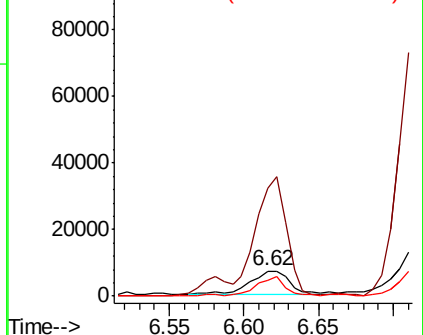


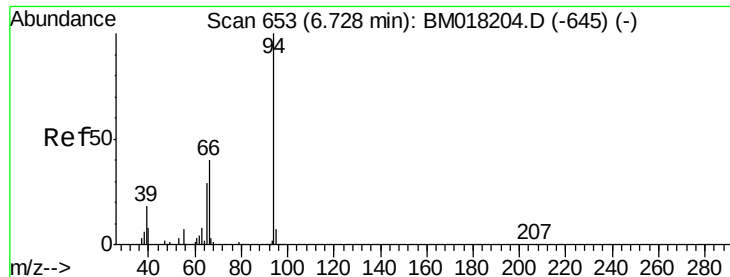
Abundance

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) (-)





#10

Phenol

Concen: 8.473 ng

RT: 6.72 min Scan# 651

Delta R.T. -0.01 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

BNA_M

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P001-SS013B-4248-01

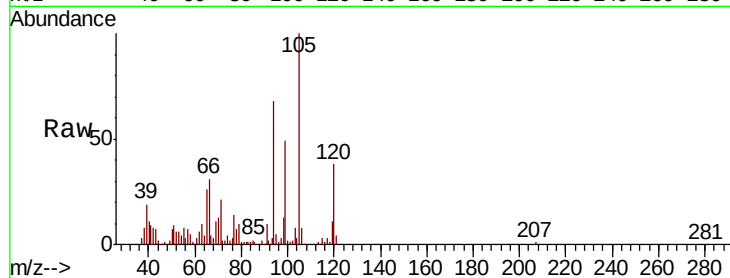
Tgt Ion: 94 Resp: 84138

Ion Ratio Lower Upper

94 100

65 37.8 9.5 49.5

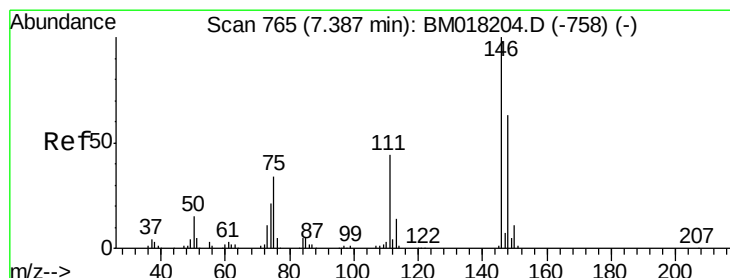
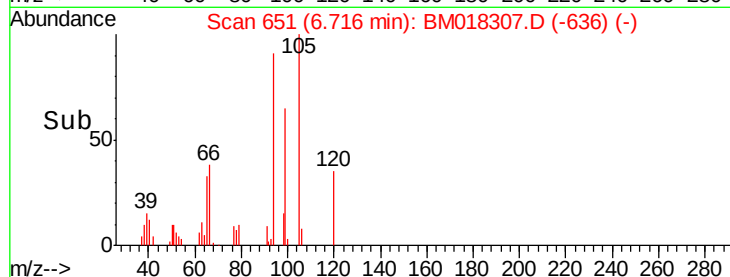
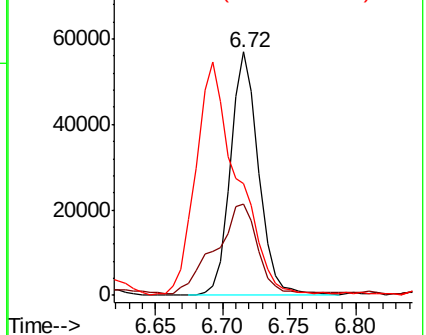
66 46.2 21.3 61.3



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) (-)



#12

1,3-Dichlorobenzene

Concen: 2.097 ng

RT: 7.37 min Scan# 762

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

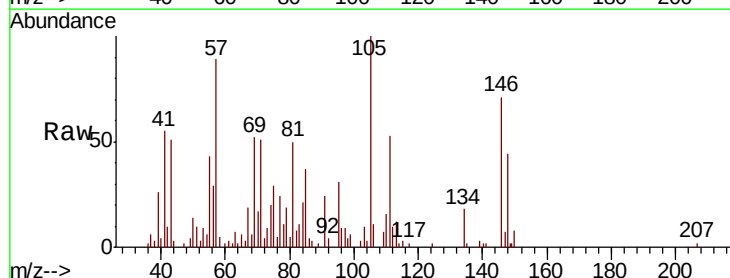
Tgt Ion: 146 Resp: 18666

Ion Ratio Lower Upper

146 100

148 61.6 50.6 76.0

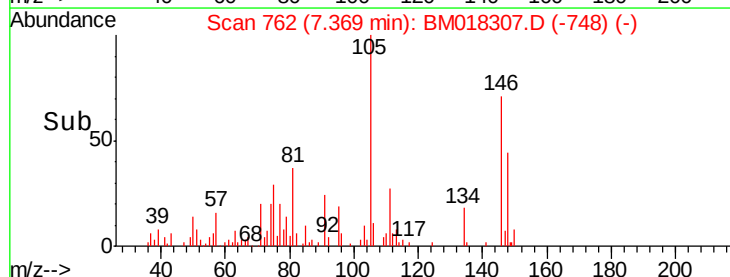
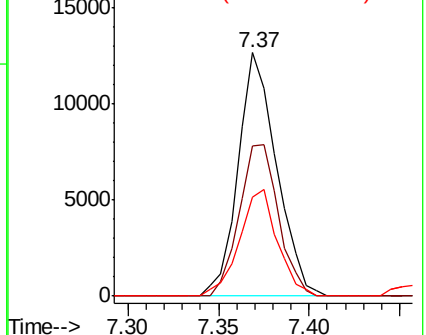
75 40.6 27.0 40.4#

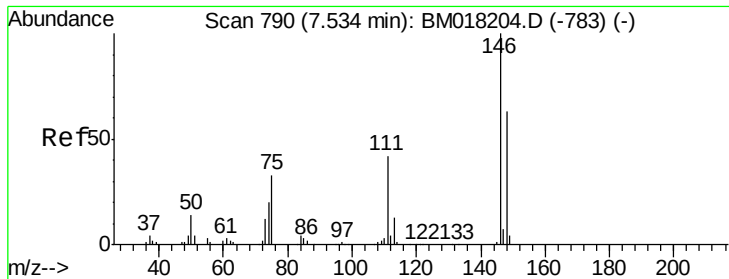


Abundance Ion 146.00 (145.70 to 146.70): BM018204.D (-758) (-)

Ion 148.00 (147.70 to 148.70): BM018204.D (-758) (-)

Ion 75.00 (74.70 to 75.70): BM018204.D (-758) (-)

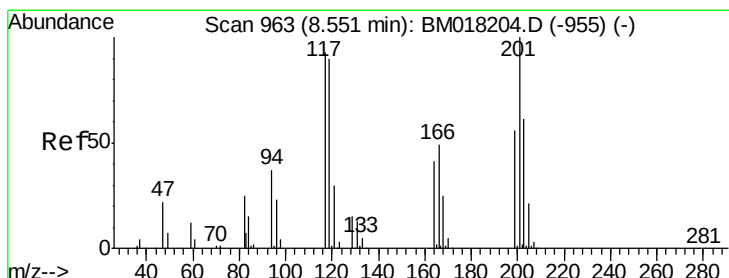
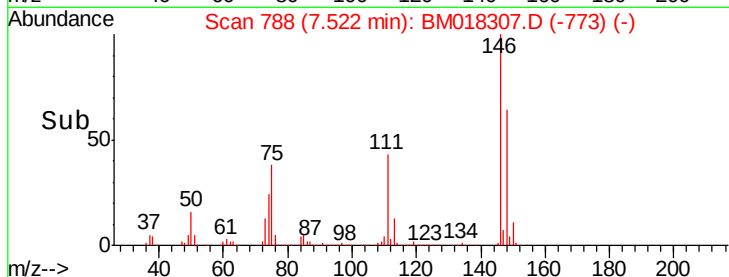
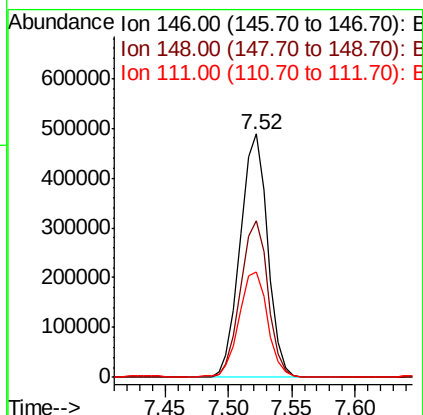
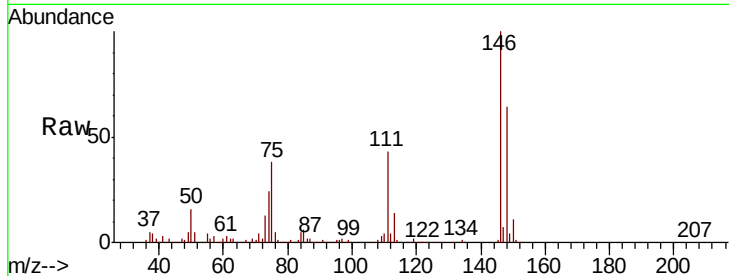




#13
1,4-Dichlorobenzene
Concen: 81.183 ng
RT: 7.52 min Scan# 788
Delta R.T. -0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

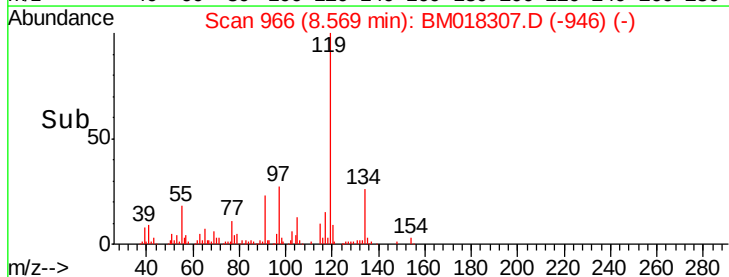
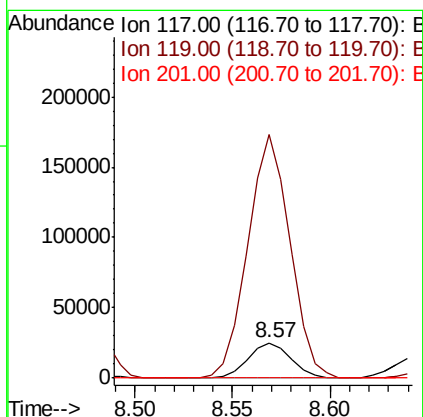
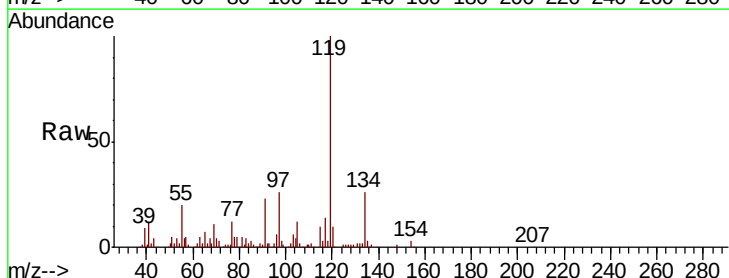
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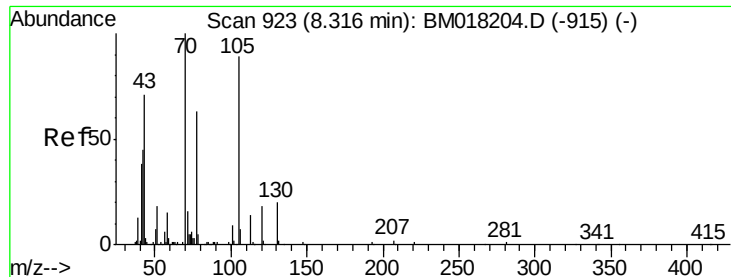
Tgt Ion:146 Resp: 733751
Ion Ratio Lower Upper
146 100
148 64.1 50.7 76.1
111 43.4 34.2 51.2



#18
Hexachloroethane
Concen: 11.507 ng
RT: 8.57 min Scan# 966
Delta R.T. 0.02 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:117 Resp: 38119
Ion Ratio Lower Upper
117 100
119 694.5 77.0 115.4#
201 0.0 85.7 128.5#

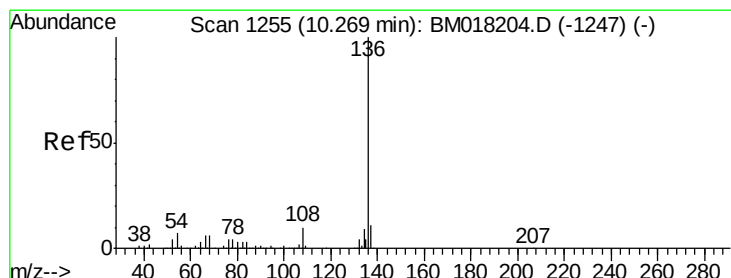
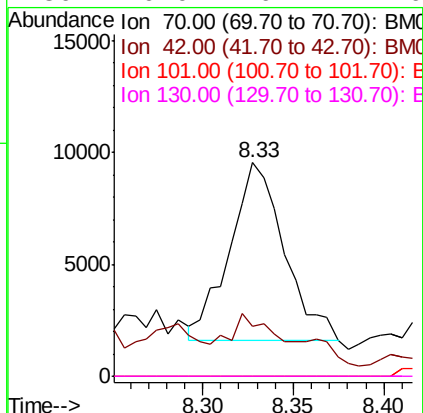
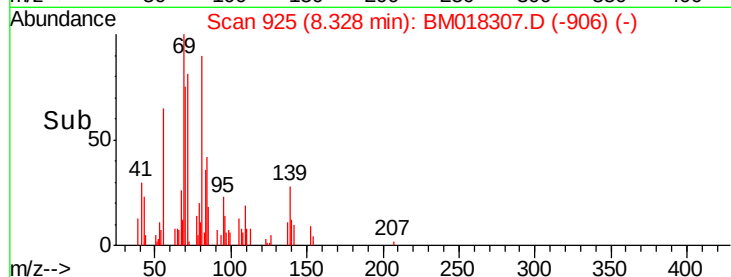
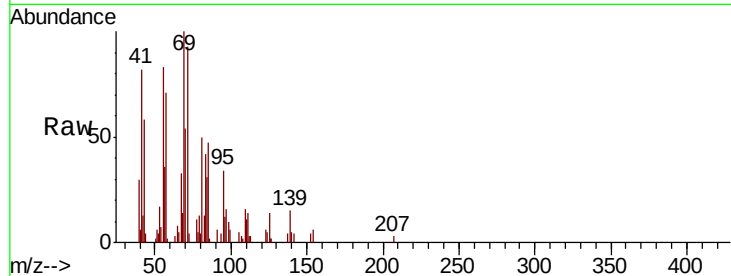




#19
n-Nitroso-di-n-propylamine
Concen: 2.376 ng
RT: 8.33 min Scan# 925
Delta R.T. 0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

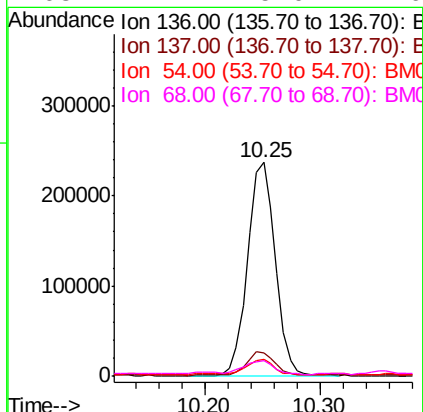
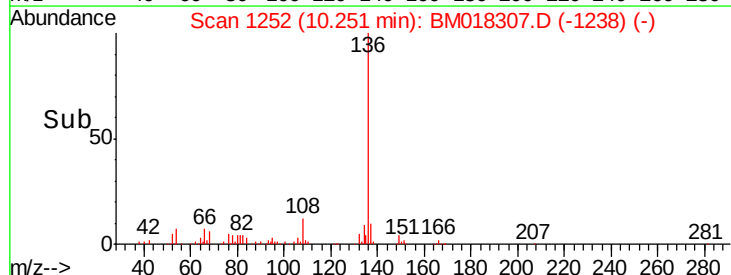
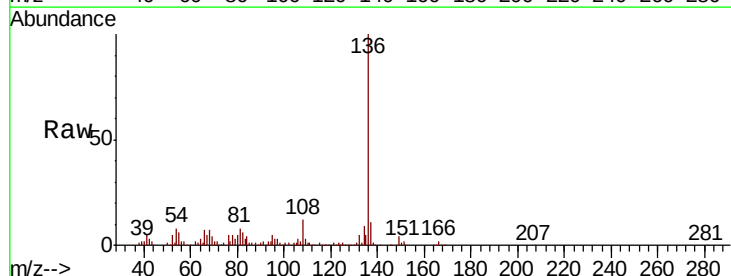
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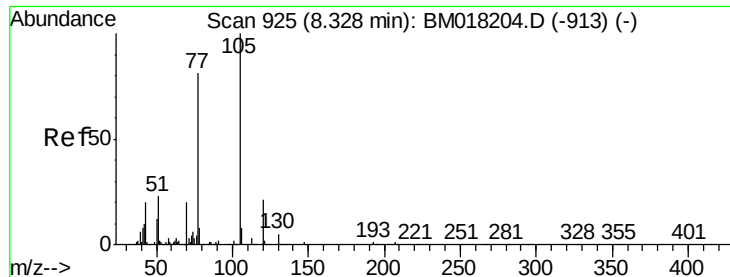
Tgt Ion:	70	Resp:	16638
Ion	Ratio	Lower	Upper
70	100		
42	23.4	36.2	54.2#
101	0.0	7.5	11.3#
130	0.0	16.4	24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:	136	Resp:	397591
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.8	5.2	7.8#
68	7.2	5.0	7.6





#22

Acetophenone

Concen: 11.796 ng

RT: 8.27 min Scan# 915

Delta R.T. -0.06 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-4248-01

Tgt Ion: 105 Resp: 124111

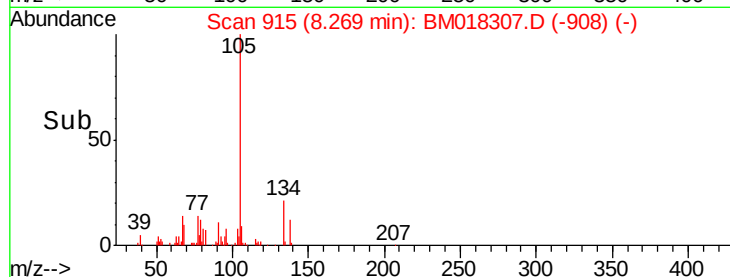
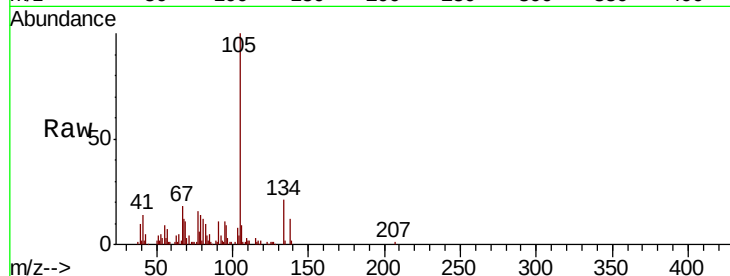
Ion Ratio Lower Upper

105 100

71 4.5 2.6 4.0#

51 4.4 18.3 27.5#

120 0.0 17.0 25.6#

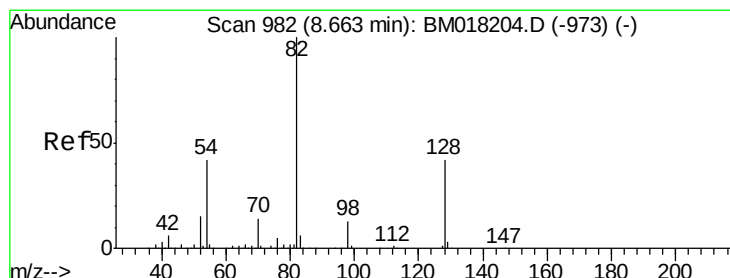
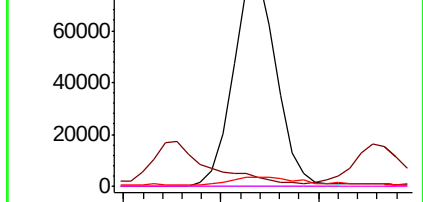


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 116.596 ng

RT: 8.65 min Scan# 979

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

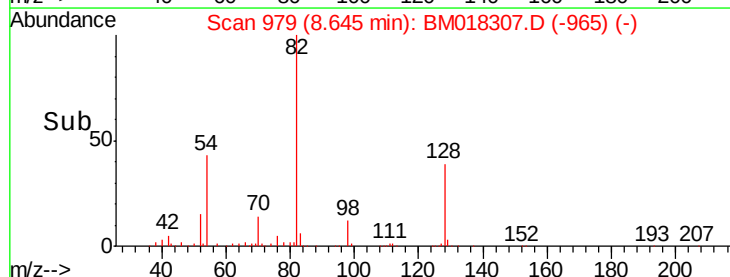
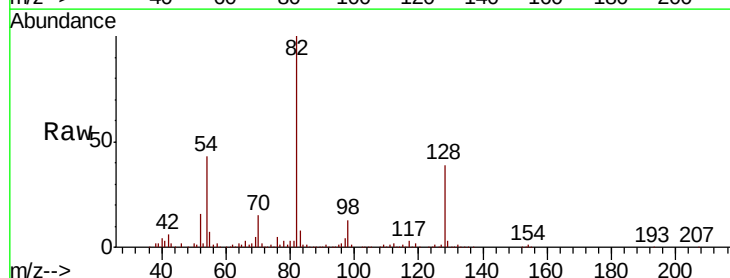
Tgt Ion: 82 Resp: 903769

Ion Ratio Lower Upper

82 100

128 38.7 33.4 50.2

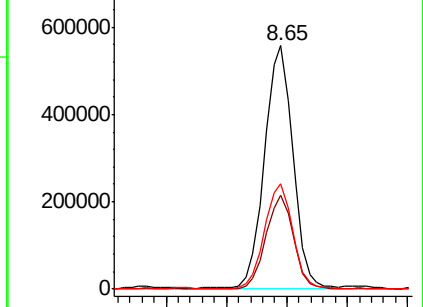
54 43.4 33.4 50.2

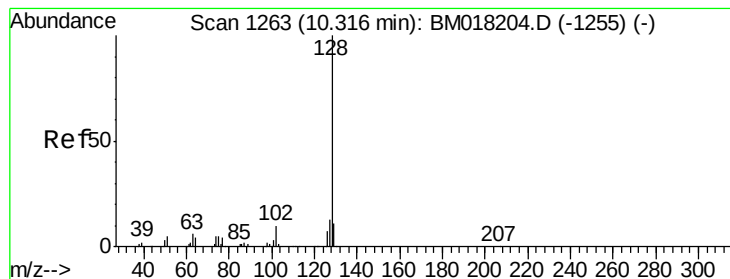


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM0





#31

Naphthalene

Concen: 37.031 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018307.D

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Instrument :

BNA_M

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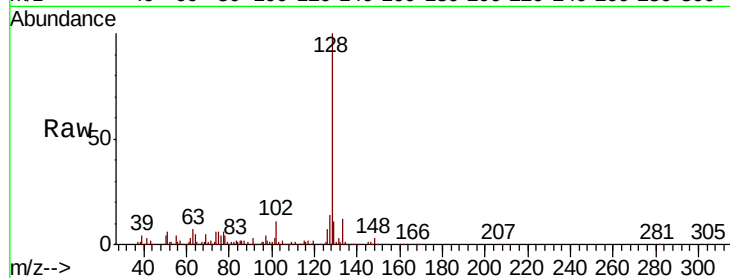
Tgt Ion:128 Resp: 719933

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

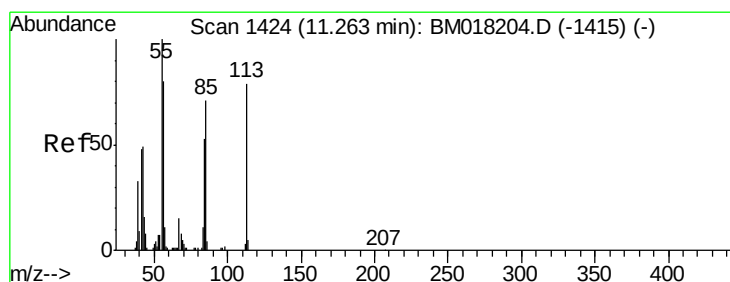
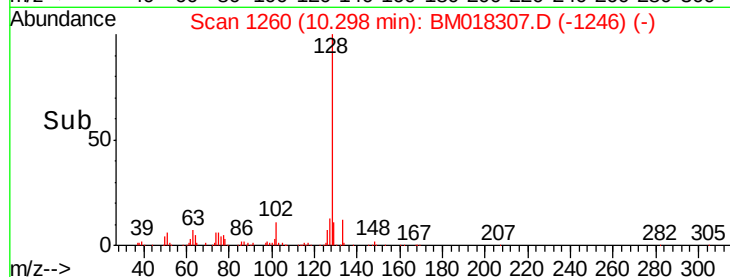
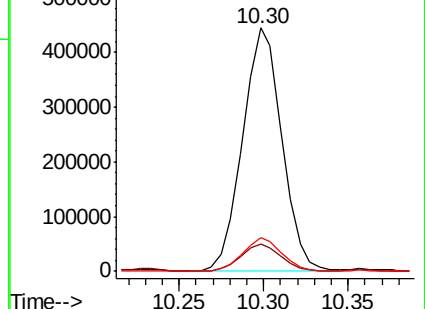
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#35

Caprolactam

Concen: 22.437 ng

RT: 11.27 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

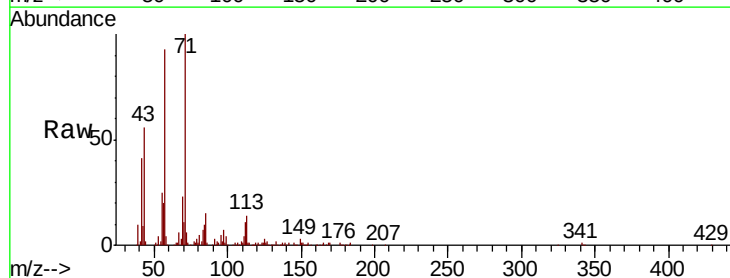
Tgt Ion:113 Resp: 51897

Ion Ratio Lower Upper

113 100

55 177.8 105.9 145.9#

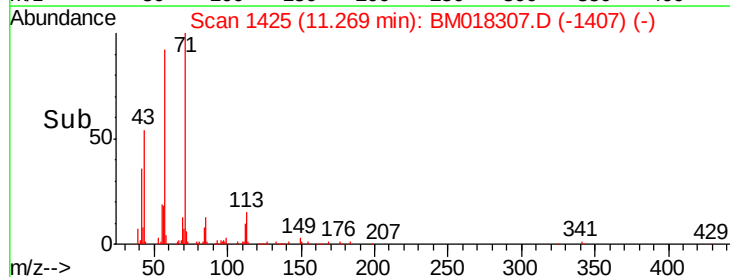
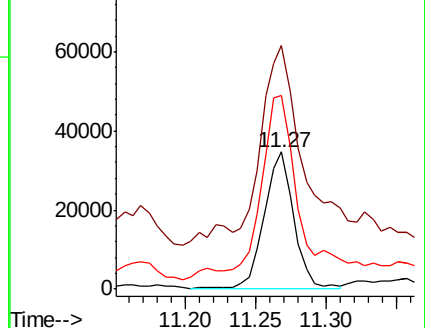
56 141.3 80.1 120.1#

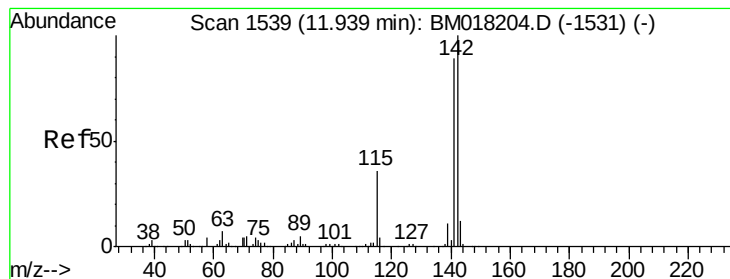


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM





#37

2-Methylnaphthalene

Concen: 39.064 ng

RT: 11.92 min Scan# 1536

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-4248-01

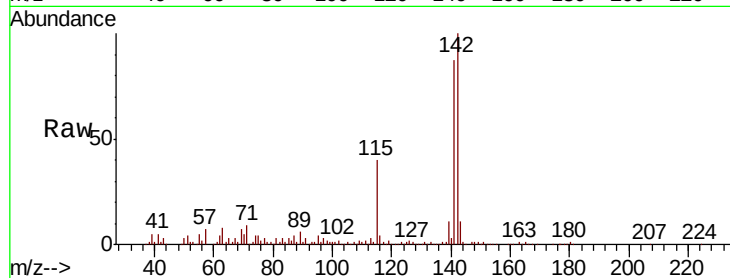
Tgt Ion:142 Resp: 535585

Ion Ratio Lower Upper

142 100

141 86.6 71.4 107.2

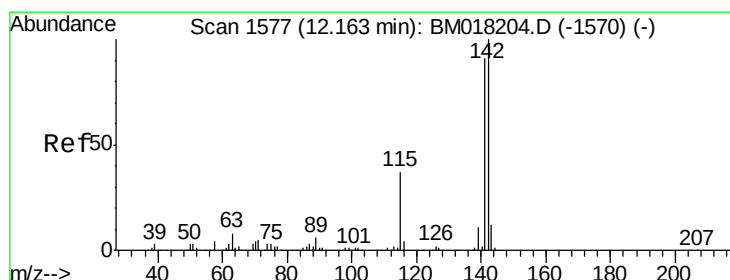
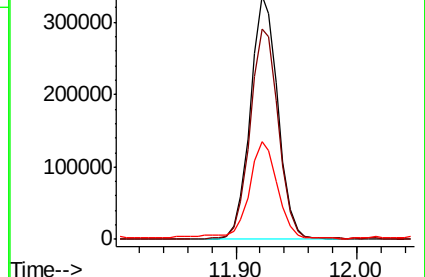
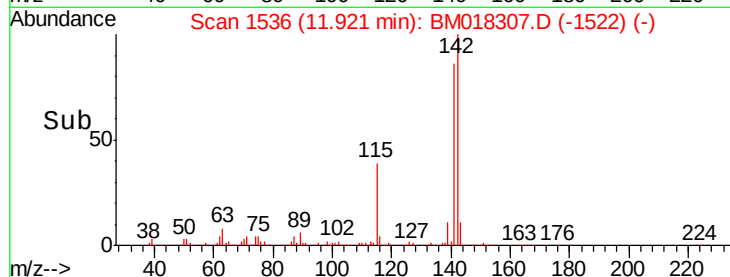
115 40.0 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 21.495 ng

RT: 12.14 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

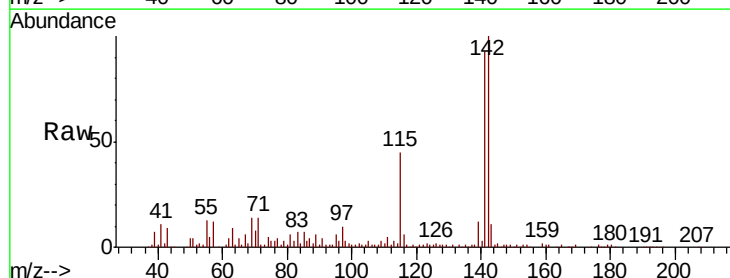
Tgt Ion:142 Resp: 287573

Ion Ratio Lower Upper

142 100

141 93.2 73.0 109.4

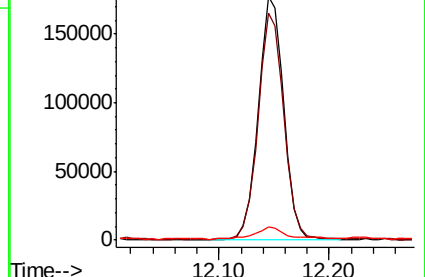
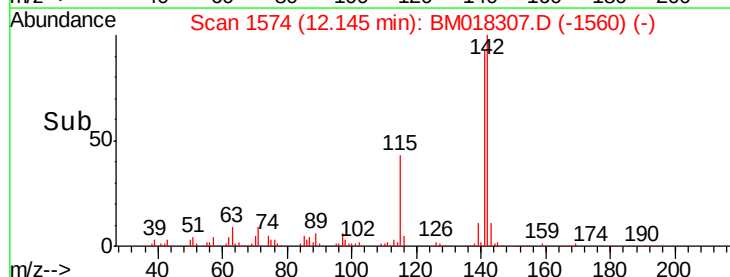
116 5.5 3.0 4.6#

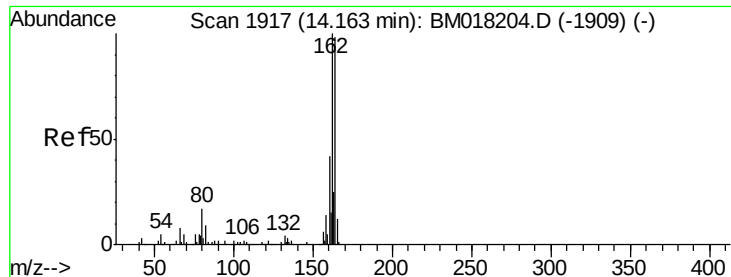


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

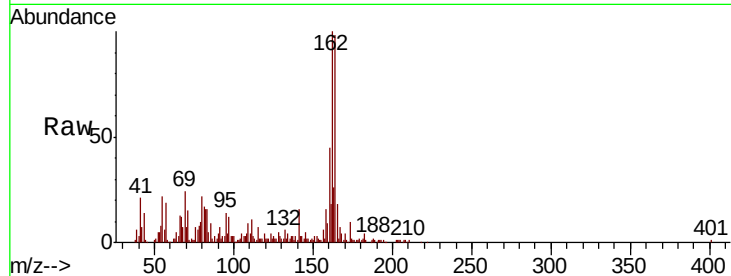




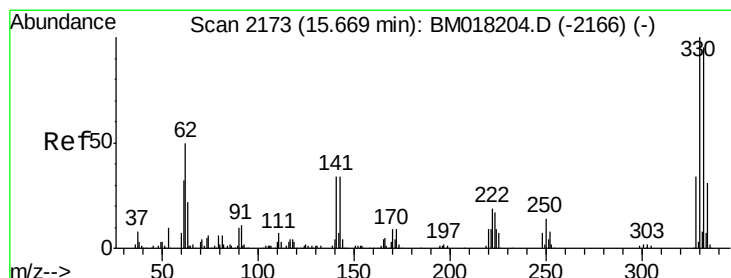
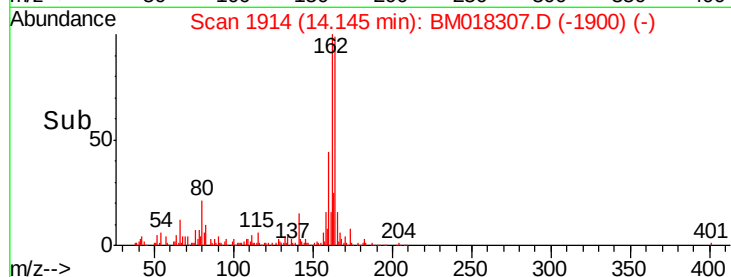
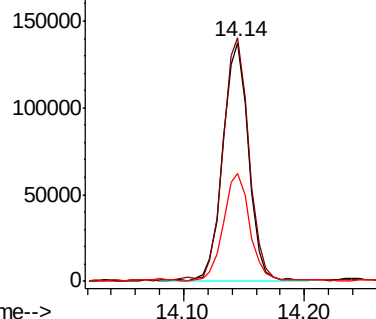
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Instrument :
BNA_M
ClientSampleId :
P001-SS013B-4248-01

Tgt Ion:164 Resp: 202651
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.5 34.6 51.8

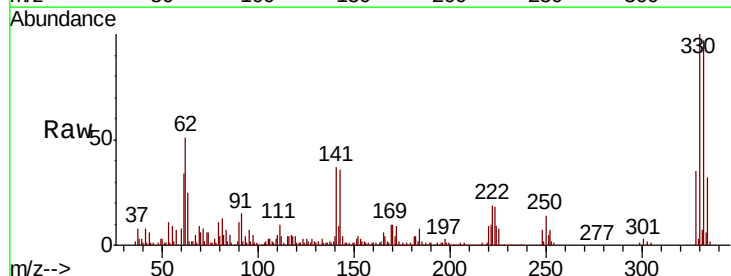


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

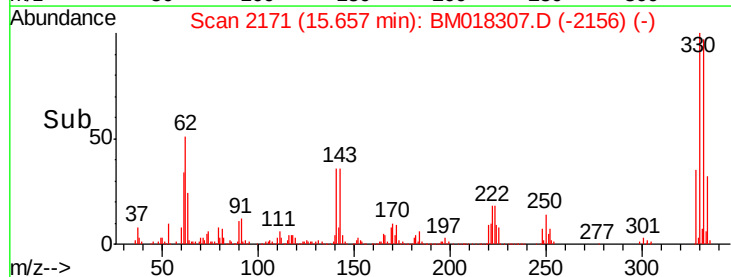
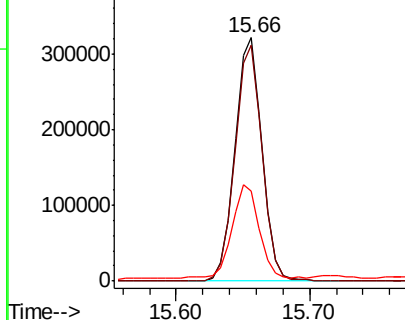


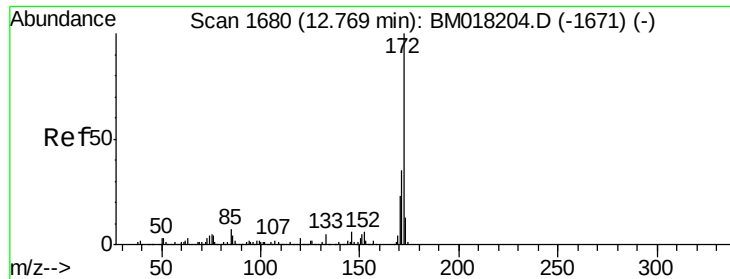
#42
2,4,6-Tribromophenol
Concen: 151.735 ng
RT: 15.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:330 Resp: 451313
Ion Ratio Lower Upper
330 100
332 97.3 78.6 118.0
141 39.0 27.1 40.7



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

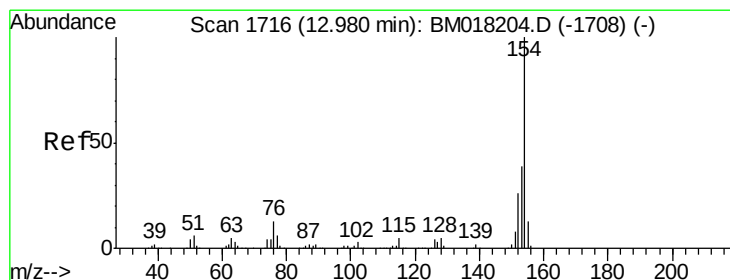
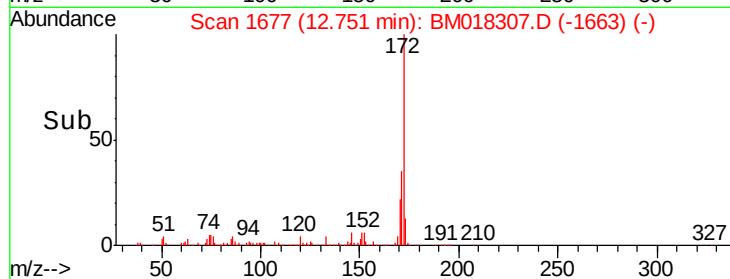
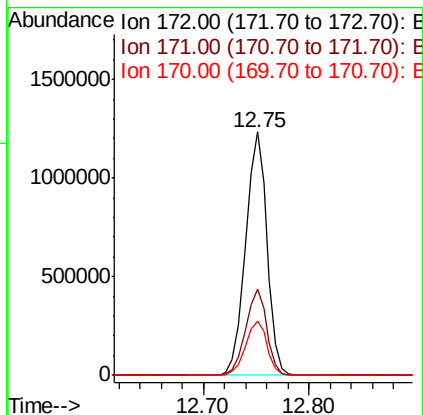
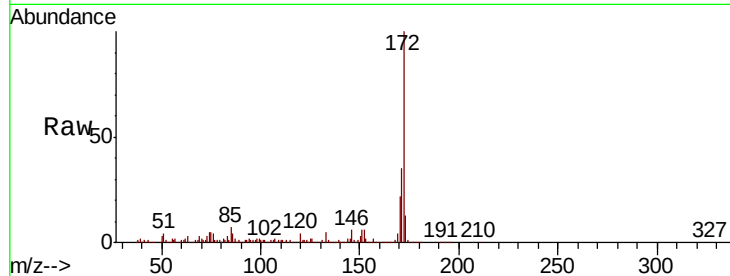




#45
 2-Fluorobiphenyl
 Concen: 110.645 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018307.D
 Acq: 19 Dec 2018 21:36

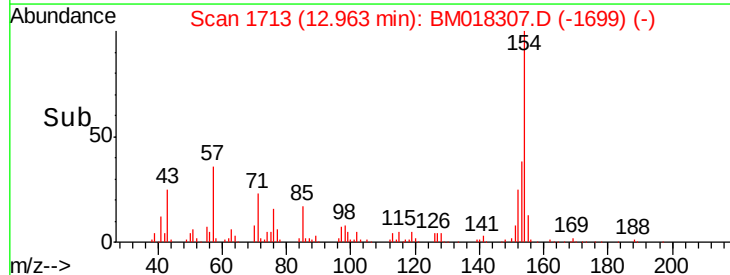
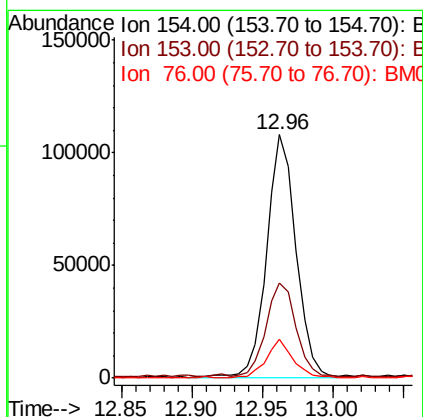
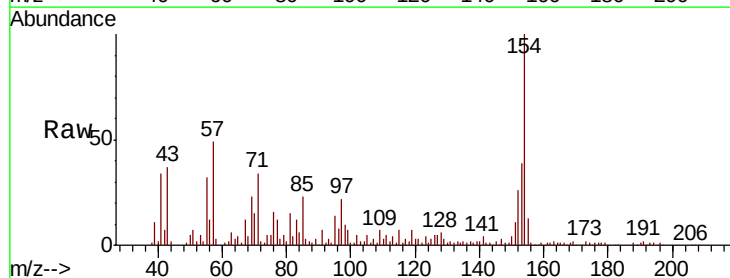
Instrument :
 BNA_M
 ClientSampleId :
 P001-SS013B-4248-01

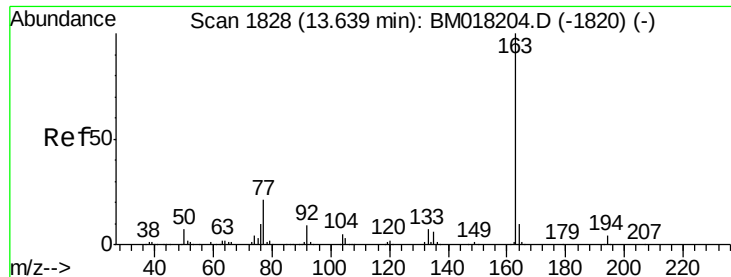
Tgt Ion:172 Resp: 1731138
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.3 42.5
 170 22.4 18.1 27.1



#46
 1,1'-Biphenyl
 Concen: 8.563 ng
 RT: 12.96 min Scan# 1713
 Delta R.T. -0.02 min
 Lab File: BM018307.D
 Acq: 19 Dec 2018 21:36

Tgt Ion:154 Resp: 156119
 Ion Ratio Lower Upper
 154 100
 153 39.1 19.5 59.5
 76 15.8 0.0 33.1





#50

Dimethylphthalate

Concen: 7.974 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

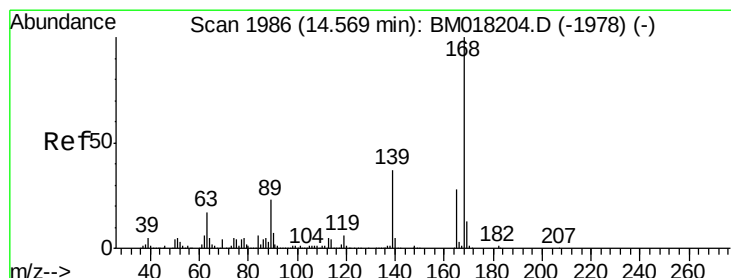
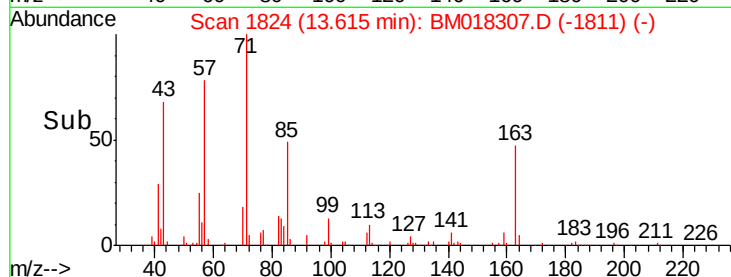
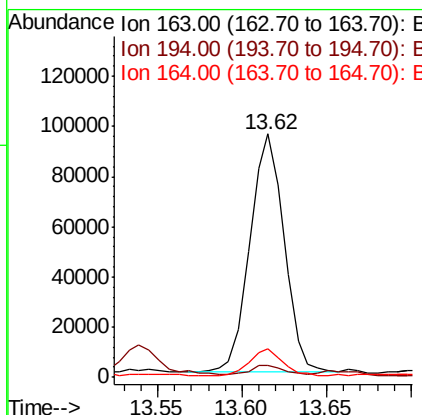
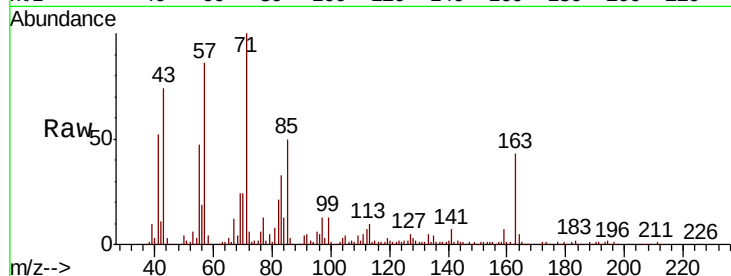
Instrument :

BNA_M

ClientSampleId :

P001-SS013B-4248-01

Tgt Ion:	163	Resp:	134337
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.1	4.7
164	11.6	7.9	11.9



#57

2,4-Dinitrotoluene

Concen: 3.174 ng

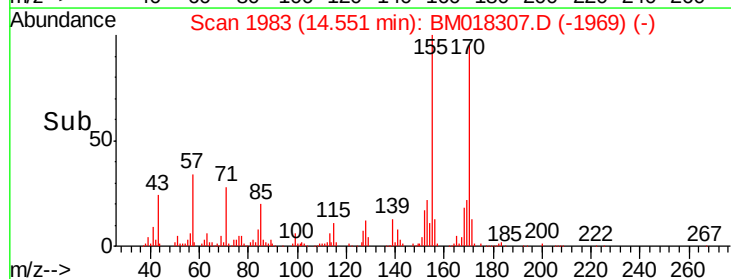
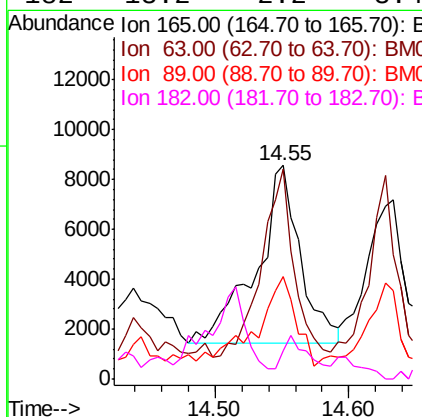
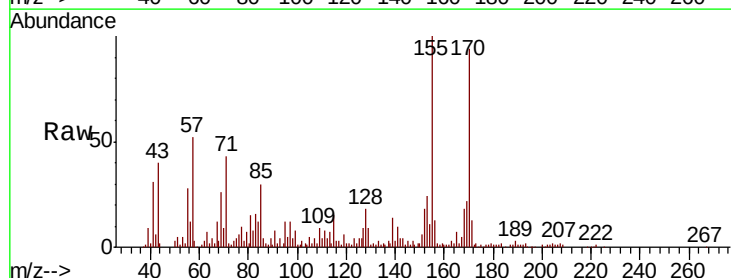
RT: 14.55 min Scan# 1983

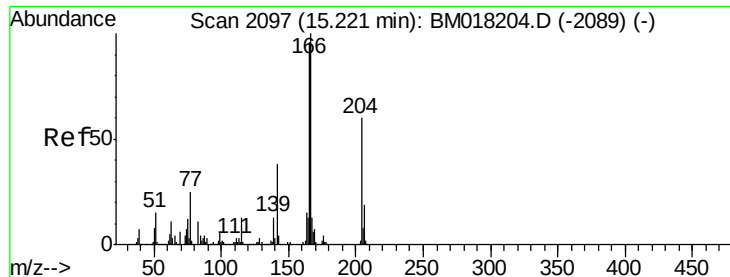
Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Tgt Ion:	165	Resp:	16248
Ion Ratio	Lower	Upper	
165	100		
63	98.4	47.2	70.8#
89	48.0	65.8	98.8#
182	13.2	2.2	3.4#





#58

Fluorene

Concen: 2.767 ng

RT: 15.20 min Scan# 2094

Delta R.T. -0.02 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

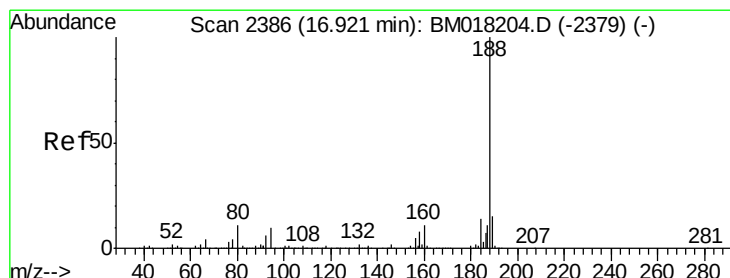
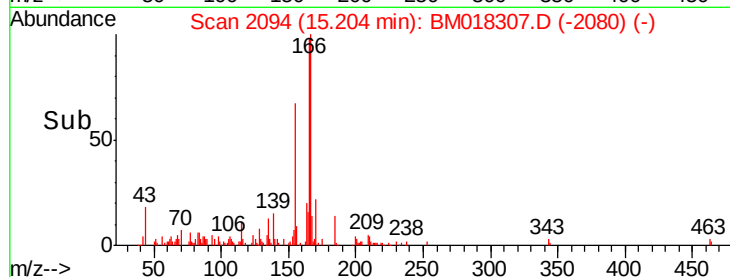
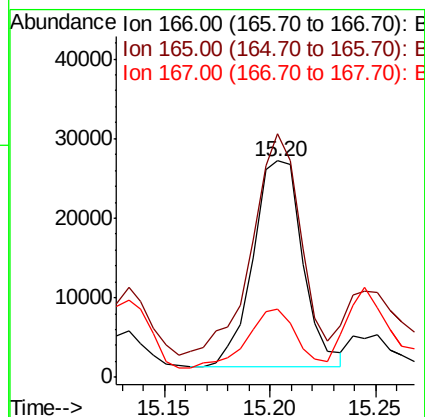
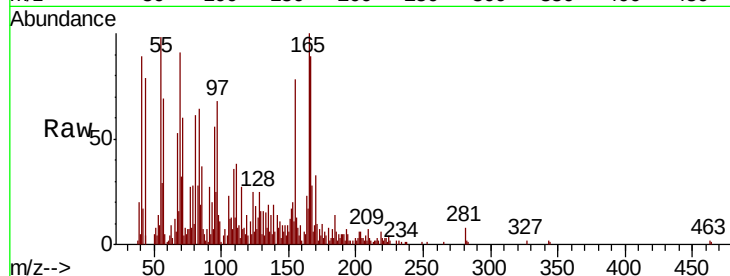
BNA_M

ClientSampleId :

P001-SS013B-4248-01

Tgt Ion:166 Resp: 42431

Ion	Ratio	Lower	Upper
166	100		
165	112.4	76.9	115.3
167	31.5	10.5	15.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.91 min Scan# 2384

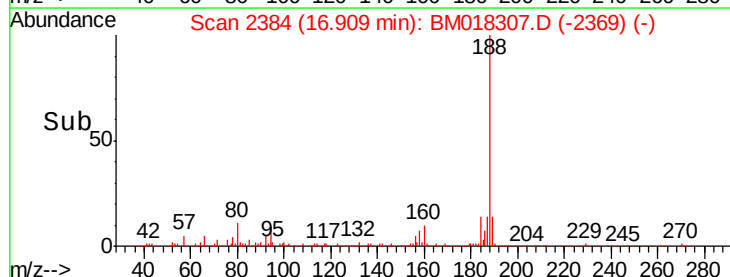
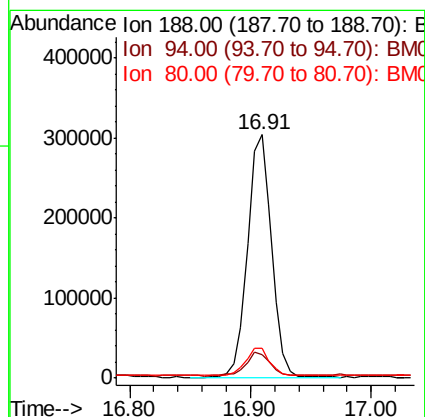
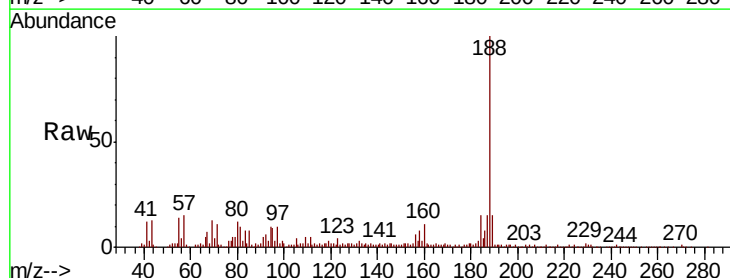
Delta R.T. -0.01 min

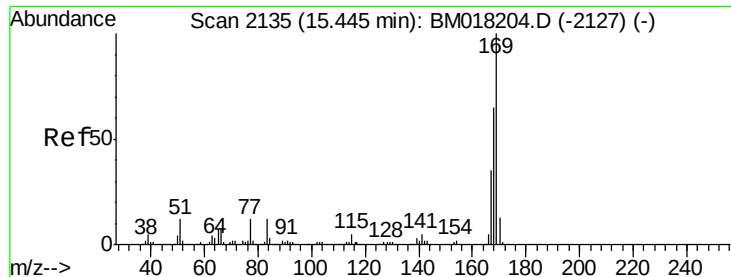
Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Tgt Ion:188 Resp: 424301

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	12.3	9.0	13.6

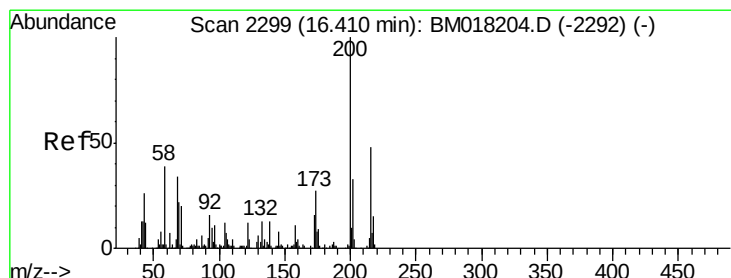
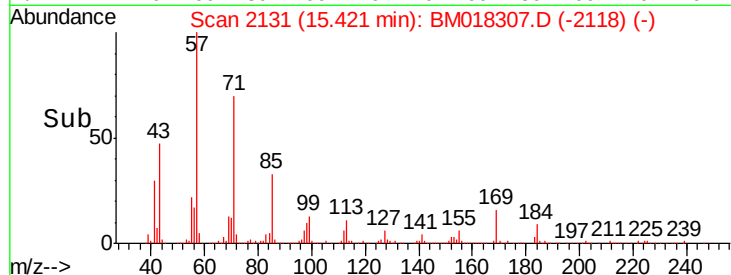
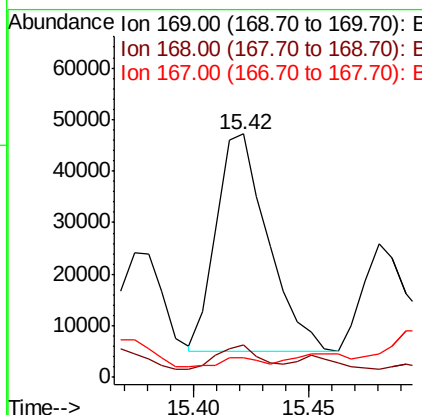
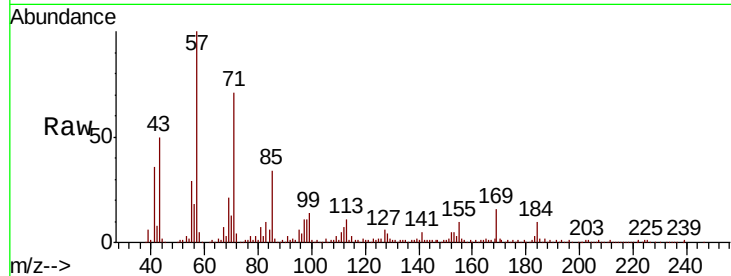




#66
n-Nitrosodiphenylamine
Concen: 4.696 ng
RT: 15.42 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

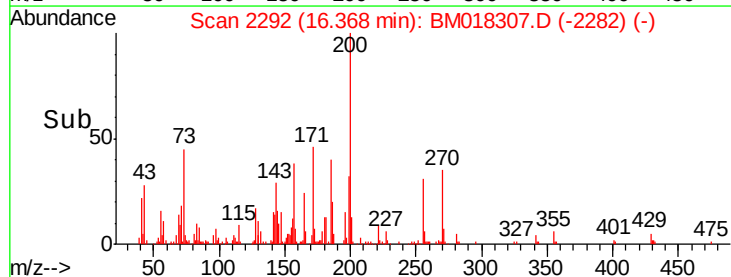
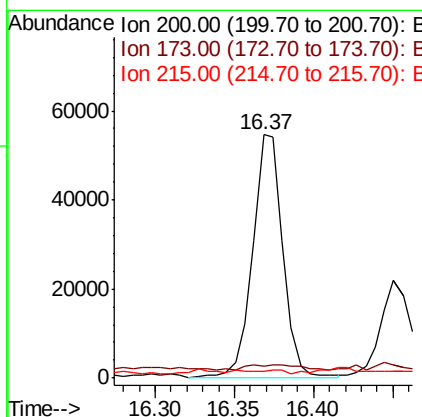
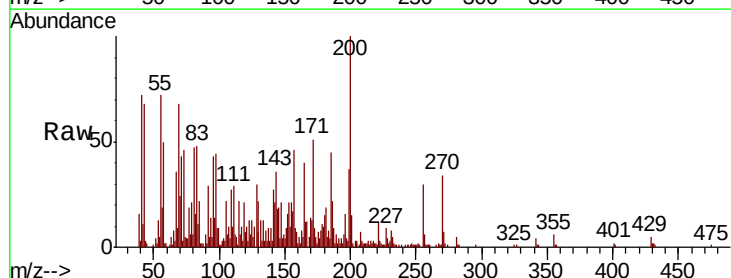
Instrument :
BNA_M
ClientSampleId :
P001-SS013B-4248-01

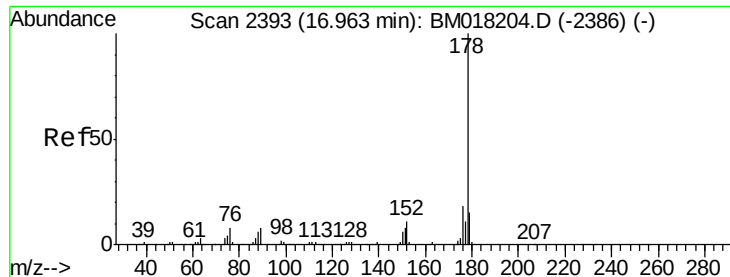
Tgt Ion:169 Resp: 65892
Ion Ratio Lower Upper
169 100
168 13.1 52.2 78.4#
167 8.2 27.6 41.4#



#69
Atrazine
Concen: 15.345 ng
RT: 16.37 min Scan# 2292
Delta R.T. -0.04 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:200 Resp: 72684
Ion Ratio Lower Upper
200 100
173 4.7 6.9 46.9#
215 2.9 27.9 67.9#

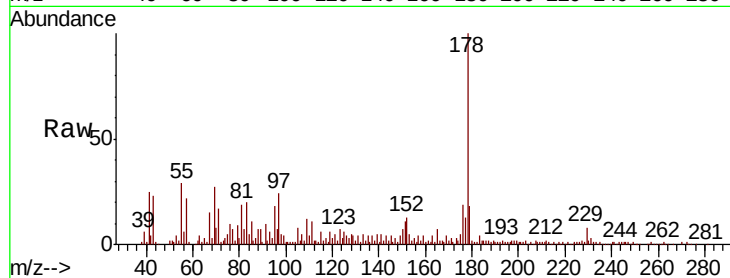




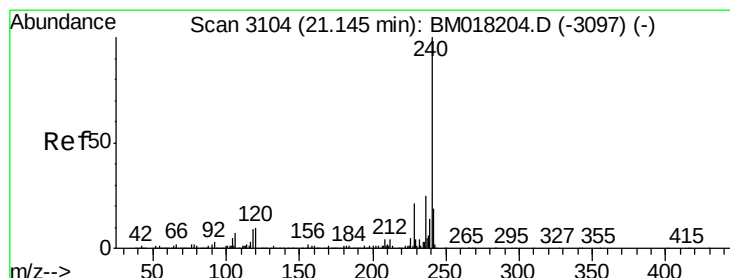
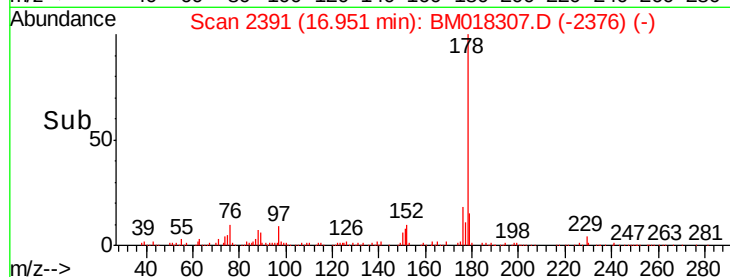
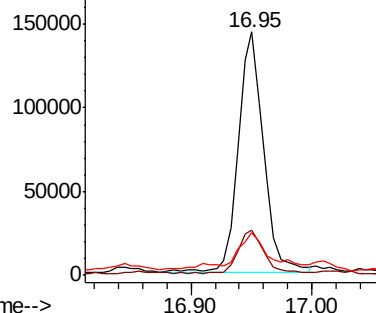
#71
Phenanthrene
Concen: 8.985 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Instrument :
BNA_M
ClientSampleId :
P001-SS013B-4248-01

Tgt Ion:178 Resp: 207070
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 17.6 12.0 18.0

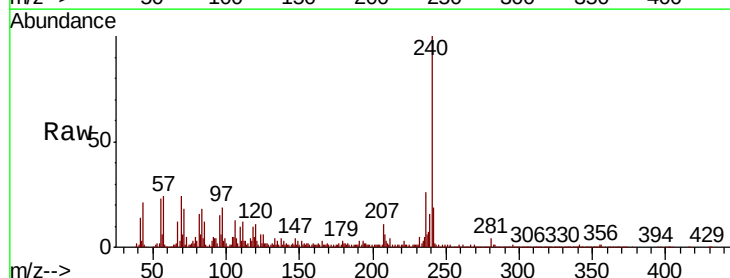


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

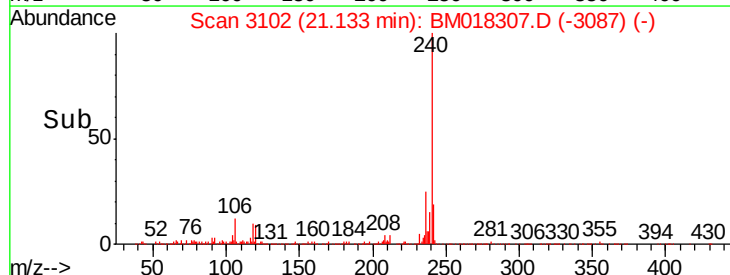
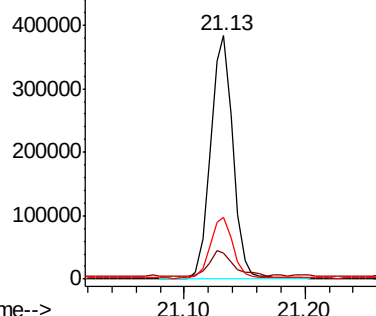


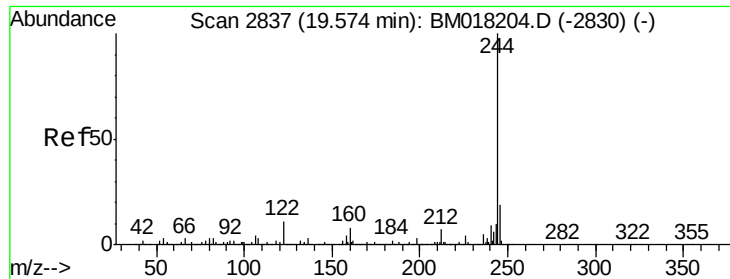
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018307.D
Acq: 19 Dec 2018 21:36

Tgt Ion:240 Resp: 493491
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 25.6 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: 111.501 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018307.D

Acq: 19 Dec 2018 21:36

Instrument :

BNA_M

ClientSampleId :

P001-SS013B-4248-01

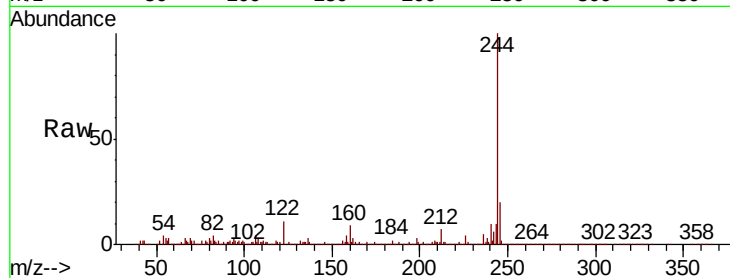
Tgt Ion:244 Resp: 2432941

Ion Ratio Lower Upper

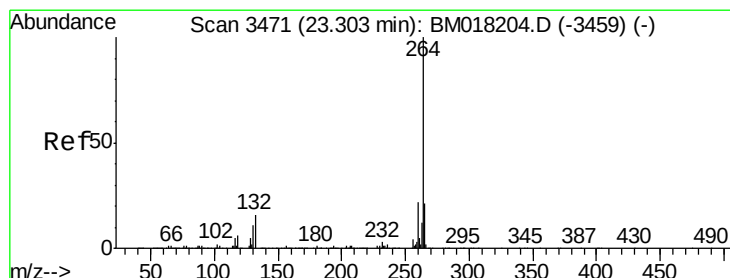
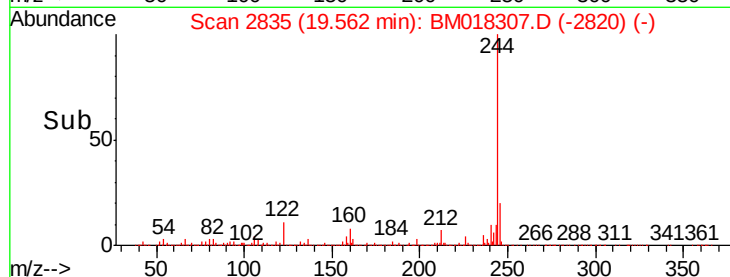
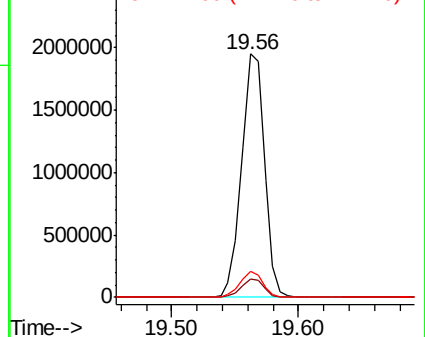
244 100

212 7.4 5.8 8.8

122 10.9 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: BM018307.D

Acq: 19 Dec 2018 21:36

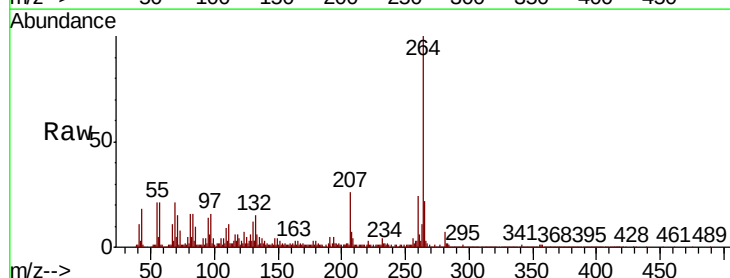
Tgt Ion:264 Resp: 555704

Ion Ratio Lower Upper

264 100

260 23.8 17.5 26.3

265 21.9 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

