

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011119\
 Data File : BM018538.D
 Acq On : 11 Jan 2019 17:21
 Operator : JU/SJ
 Sample : K1119-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 11 23:41:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	129470	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	548735	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	328012	20.00	ng	0.00
64) Phenanthrene-d10	17.15	188	821375	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1323341	20.00	ng	0.00
87) Perylene-d12	23.63	264	1907532	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	680774	97.09	ng	0.00
7) Phenol-d6	6.93	99	908788	102.05	ng	0.00
23) Nitrobenzene-d5	8.92	82	544732	57.55	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	413502	99.01	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	1339247	53.28	ng	0.00
79) Terphenyl-d14	19.79	244	2644817	42.13	ng	0.00

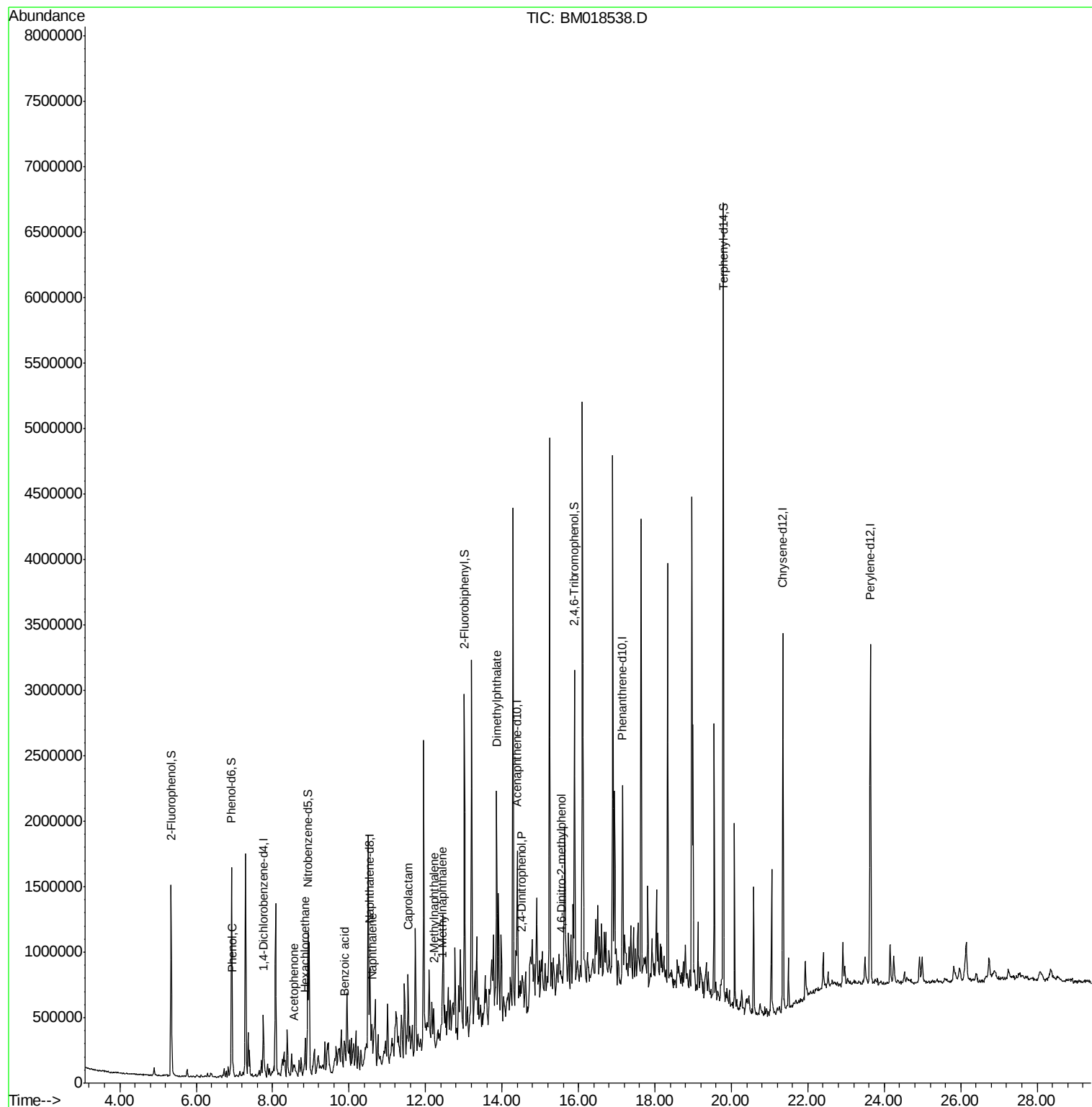
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.95	94	19683	2.175	ng	# 61
18) Hexachloroethane	8.85	117	24601	6.980	ng	# 1
22) Acetophenone	8.55	105	51718	3.810	ng	# 56
31) Naphthalene	10.60	128	76172	2.882	ng	# 90
32) Benzoic acid	9.88	122	142	6.529	ng	# 1
35) Caprolactam	11.55	113	24491	8.962	ng	# 14
37) 2-Methylnaphthalene	12.21	142	161674	8.659	ng	# 98
38) 1-Methylnaphthalene	12.43	142	97406	5.392	ng	# 99
50) Dimethylphthalate	13.86	163	413902	15.365	ng	# 98
54) 2,4-Dinitrophenol	14.52	184	108	7.233	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.56	198	310	5.446	ng	# 1

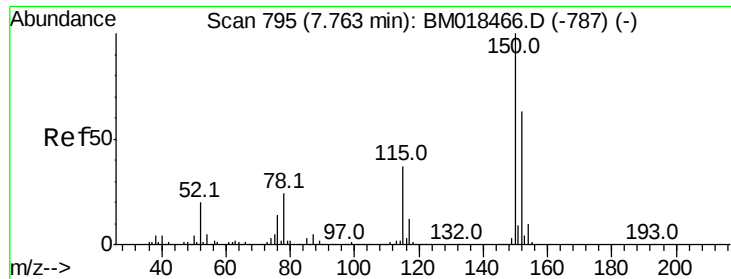
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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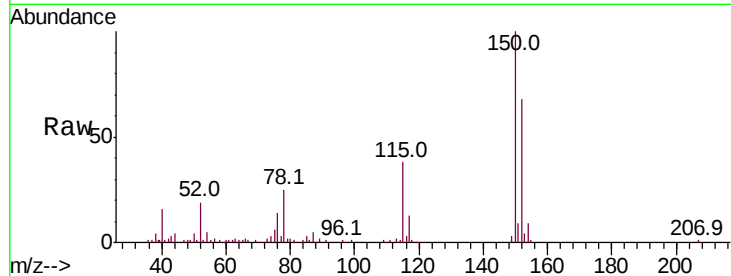


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	126.9	190.3
115	55.5	45.5	68.3

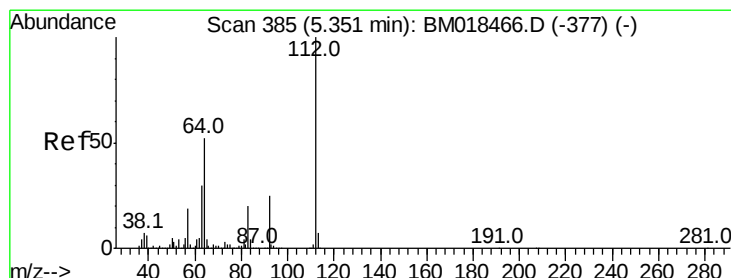
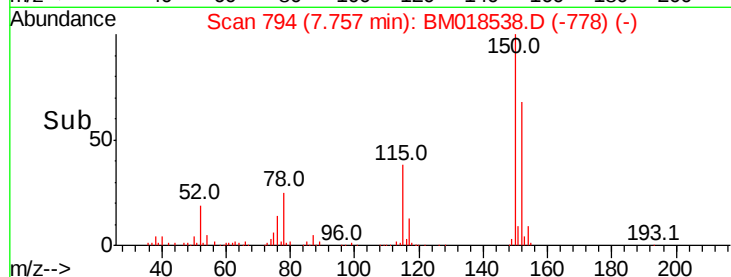
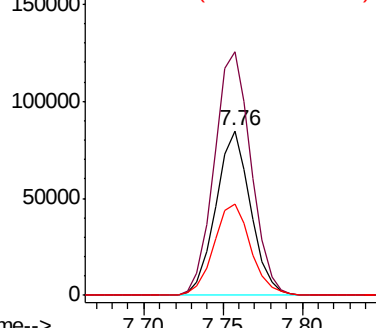


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

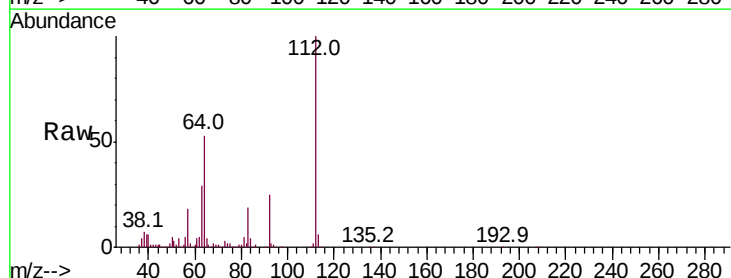
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.092 ng
RT: 5.35 min Scan# 384
Delta R.T. -0.01 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	46.5	69.7
63	29.4	25.2	37.8

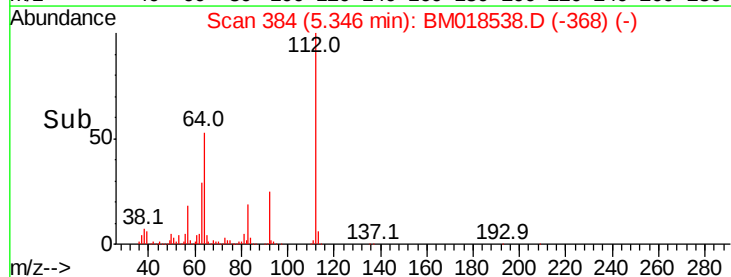
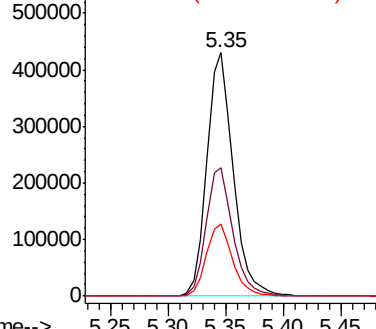


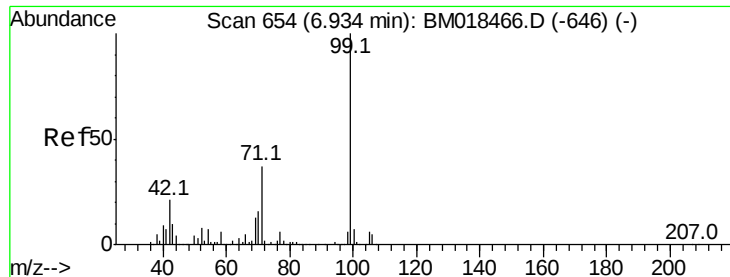
Abundance

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: 102.046 ng

RT: 6.93 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

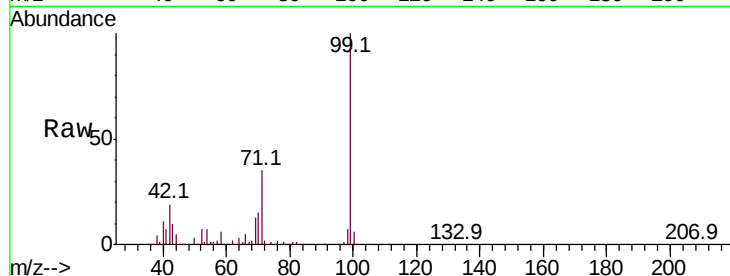
Tot Ion: 99 Resp: 908788

Ion Ratio Lower Upper

99 100

42 19.3 17.3 25.9

71 35.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)

6.93

600000

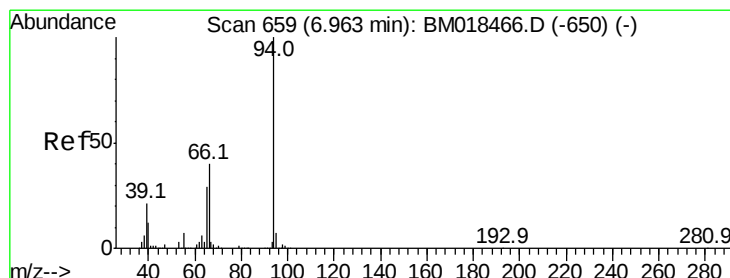
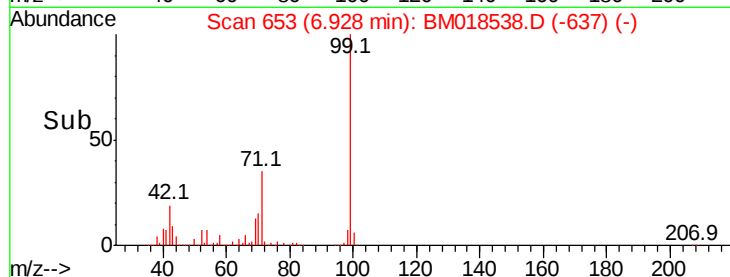
400000

200000

0

6.85 6.90 6.95 7.00

Time-->



#10

Phenol

Concen: 2.175 ng

RT: 6.95 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

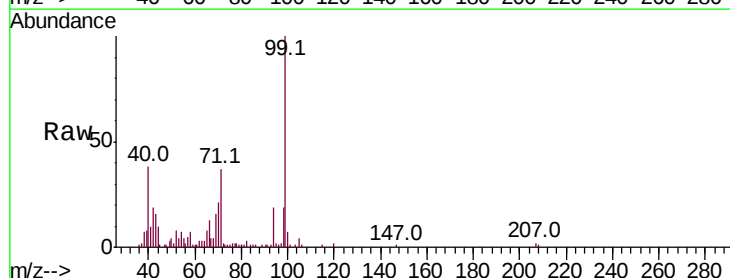
Tgt Ion: 94 Resp: 19683

Ion Ratio Lower Upper

94 100

65 43.4 9.4 49.4

66 68.4 19.1 59.1#



Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)

6.95

40000

30000

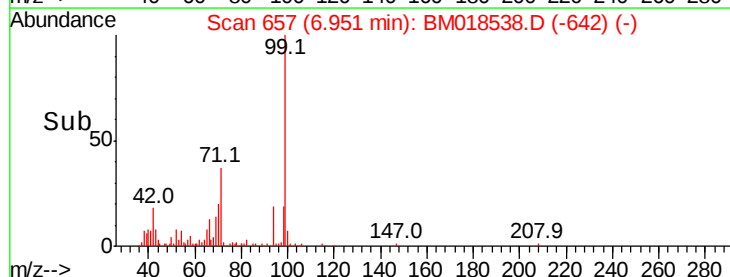
20000

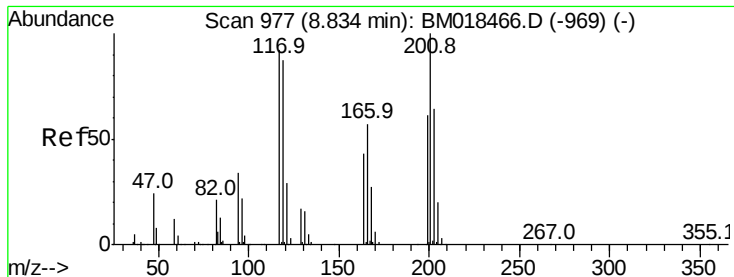
10000

0

6.90 6.95 7.00

Time-->





#18

Hexachloroethane

Concen: 6.980 ng

RT: 8.85 min Scan# 980

Delta R.T. 0.02 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

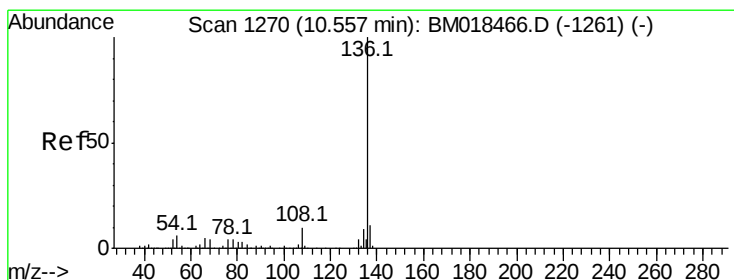
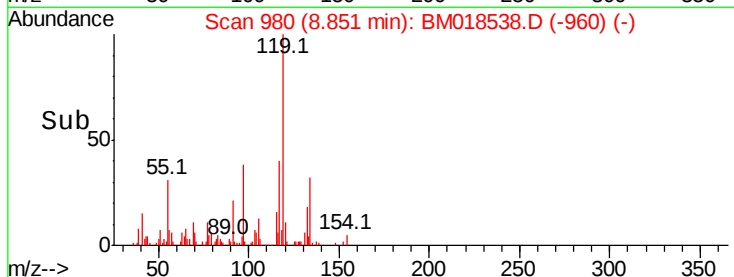
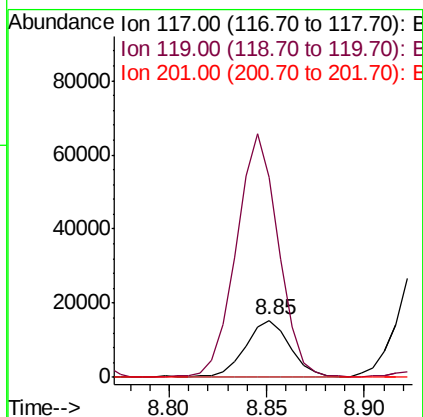
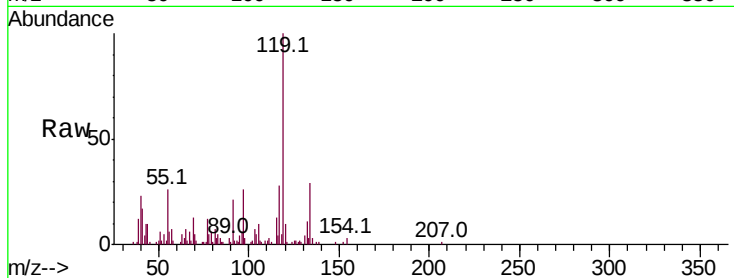
Tot Ion:117 Resp: 24601

Ion Ratio Lower Upper

117 100

119 353.5 78.3 117.5#

201 0.0 81.4 122.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Tgt Ion:136 Resp: 548735

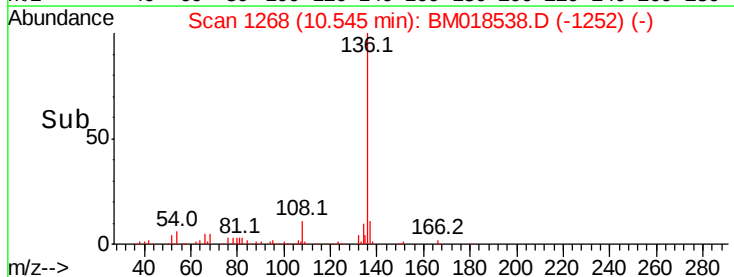
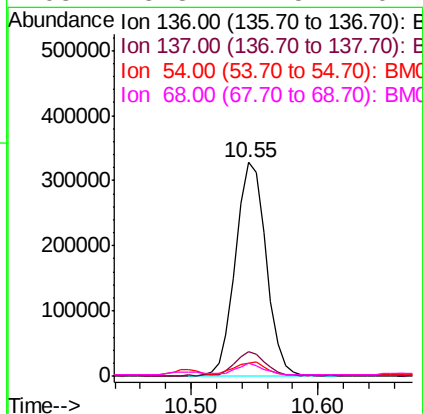
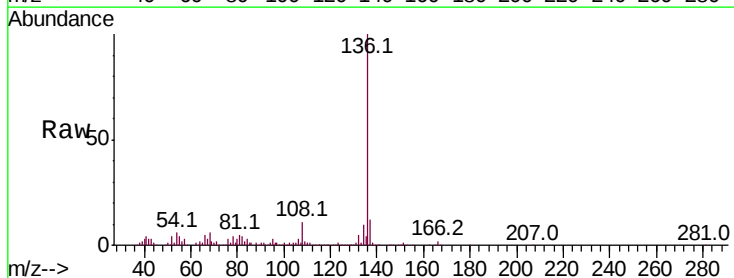
Ion Ratio Lower Upper

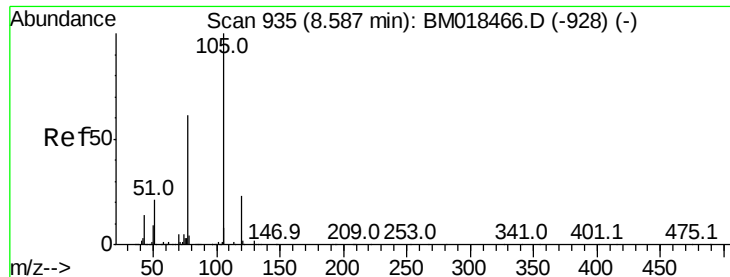
136 100

137 11.6 8.5 12.7

54 6.1 6.0 9.0

68 5.8 4.5 6.7

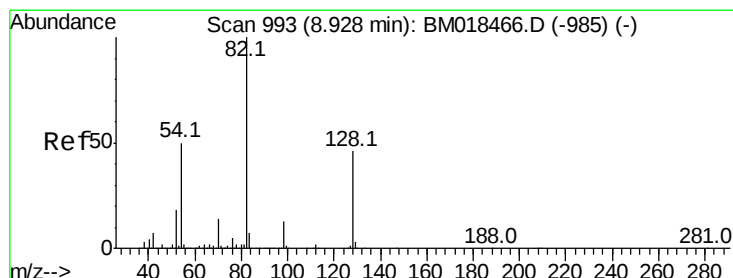
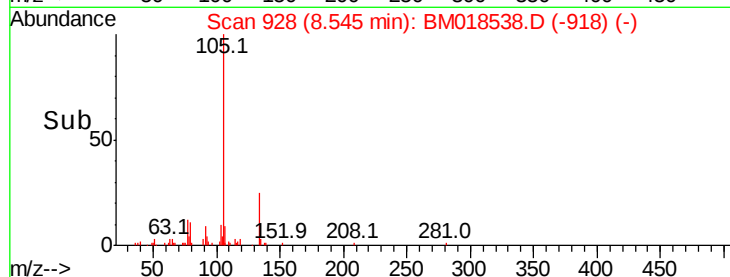
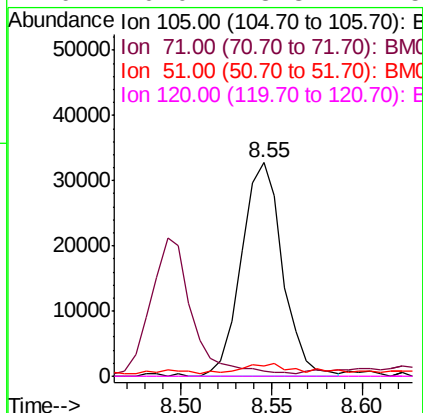
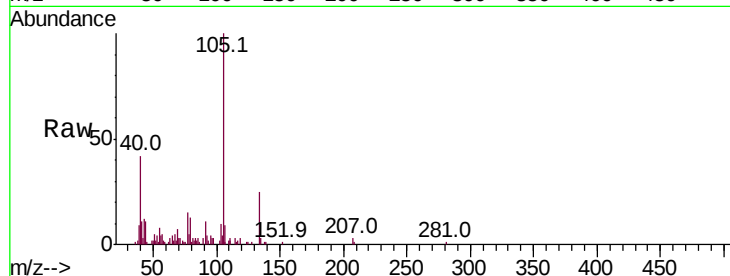




#22
Acetophenone
Concen: 3.810 ng
RT: 8.55 min Scan# 928
Delta R.T. -0.04 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

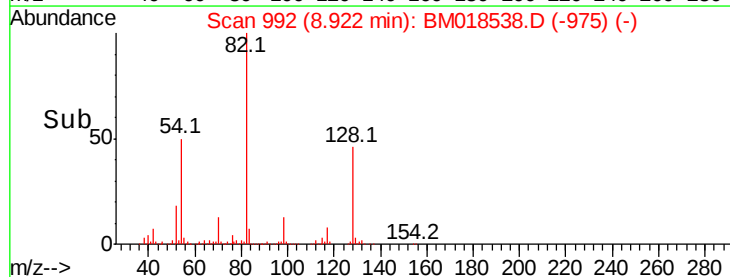
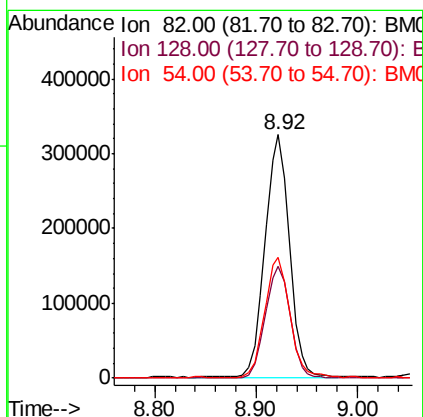
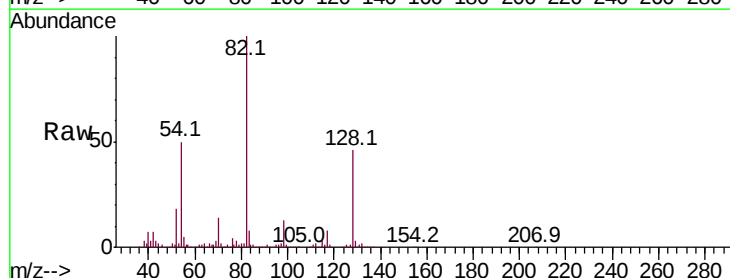
Instrument :
BNA_M
ClientSampleId :

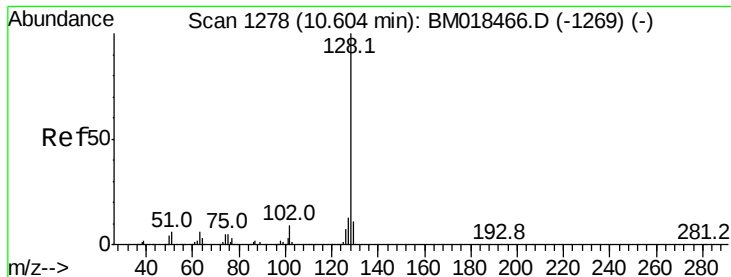
Tot Ion:105 Resp: 51718
Ion Ratio Lower Upper
105 100
71 2.5 1.7 2.5
51 4.8 22.6 34.0#
120 0.0 18.3 27.5#



#23
Nitrobenzene-d5
Concen: 57.548 ng
RT: 8.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

Tgt Ion: 82 Resp: 544732
Ion Ratio Lower Upper
82 100
128 45.8 36.3 54.5
54 49.8 41.7 62.5

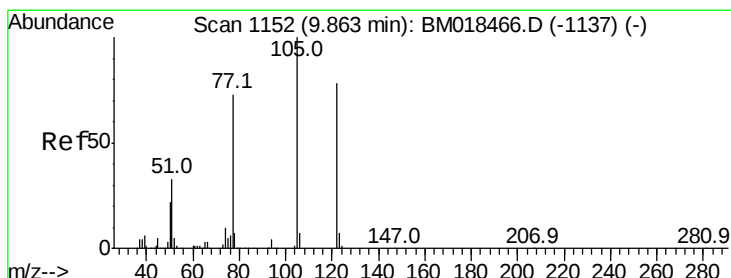
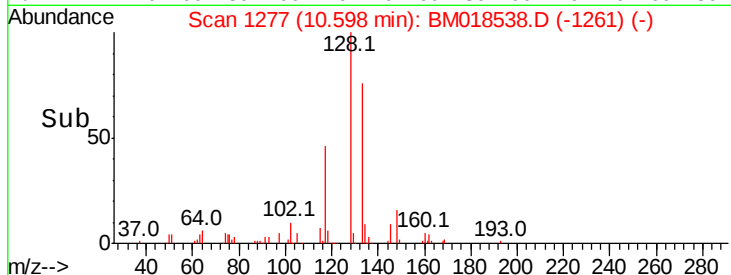
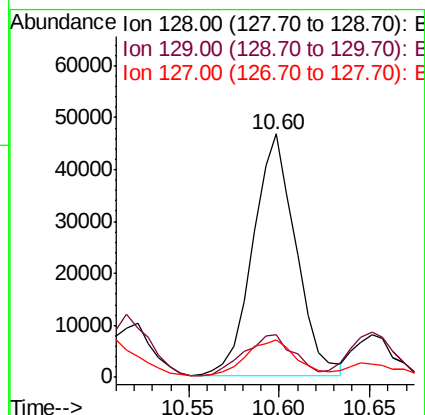
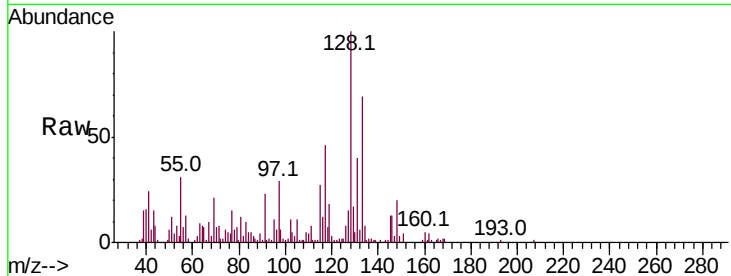




#31
Naphthalene
Concen: 2.882 ng
RT: 10.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

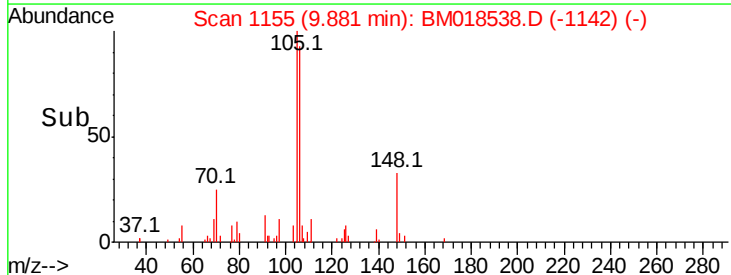
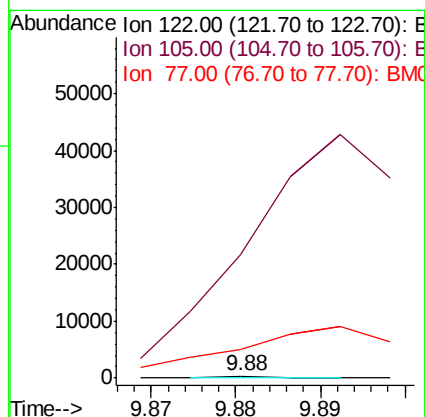
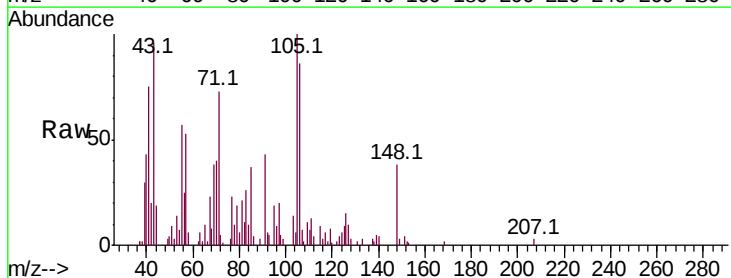
Instrument :
BNA_M
ClientSampleId :

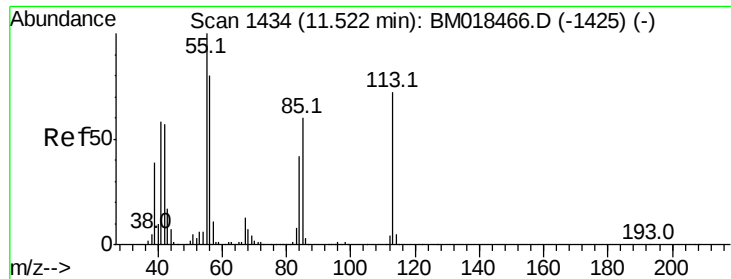
Tot Ion:128 Resp: 76172
Ion Ratio Lower Upper
128 100
129 17.3 8.7 13.1#
127 15.5 10.8 16.2



#32
Benzoic acid
Concen: 6.529 ng
RT: 9.88 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 5393.5 100.4 140.4#
77 1253.1 71.7 111.7#





#35

Caprolactam

Concen: 8.962 ng

RT: 11.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

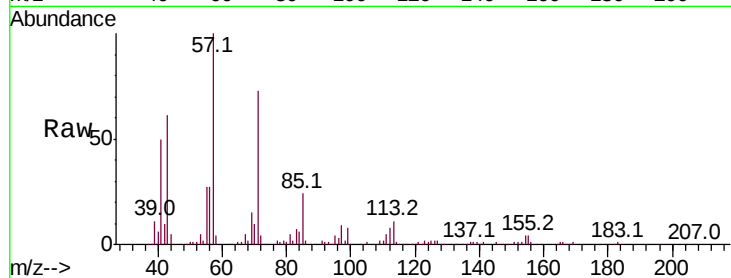
Tot Ion:113 Resp: 24491

Ion Ratio Lower Upper

113 100

55 246.5 139.3 179.3#

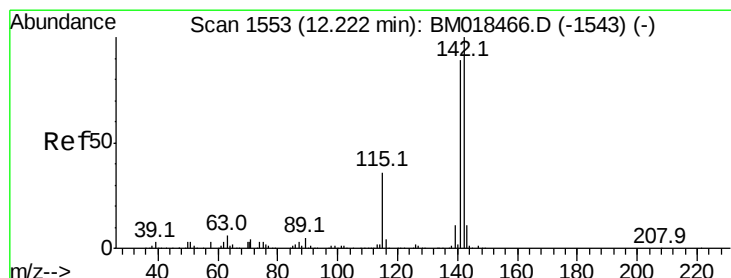
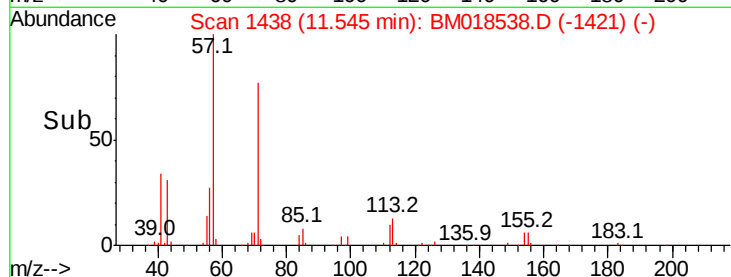
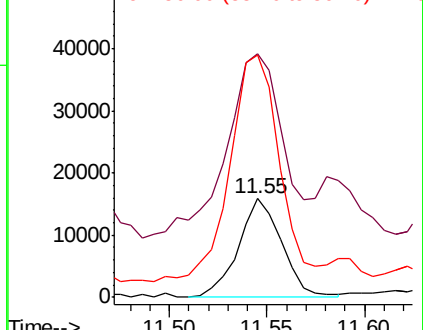
56 245.8 101.4 141.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#37

2-Methylnaphthalene

Concen: 8.659 ng

RT: 12.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

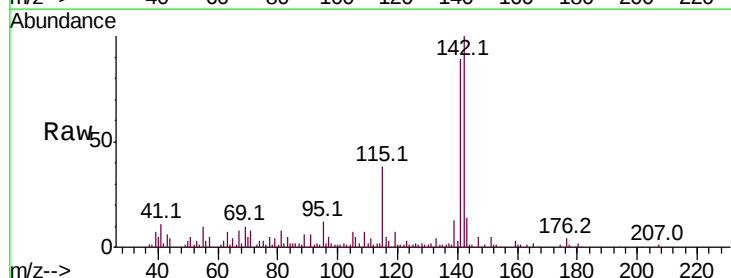
Tgt Ion:142 Resp: 161674

Ion Ratio Lower Upper

142 100

141 89.4 71.4 107.2

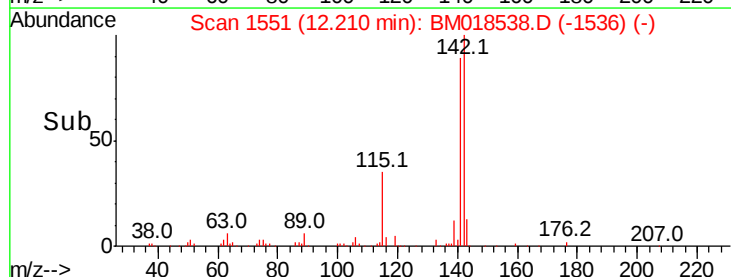
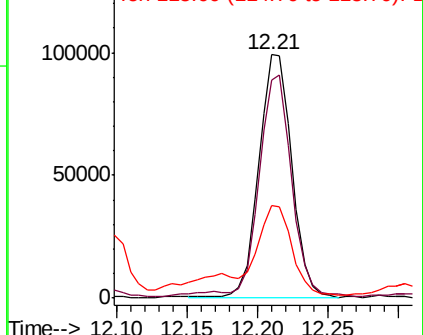
115 38.2 28.0 42.0

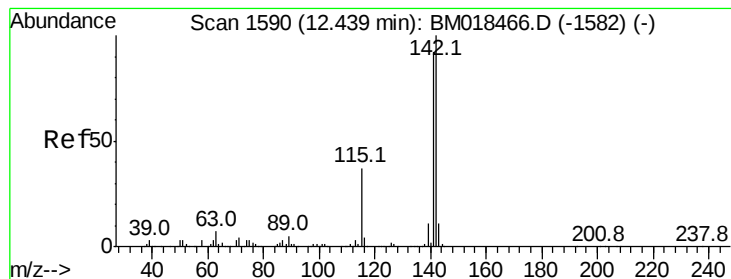


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 5.392 ng

RT: 12.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

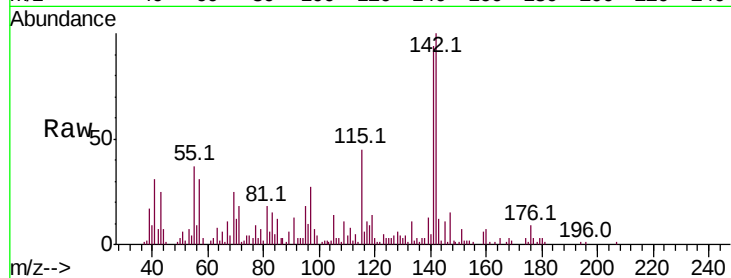
Tot Ion:142 Resp: 97406

Ion Ratio Lower Upper

142 100

141 94.2 75.6 113.4

116 5.8 3.0 4.6#

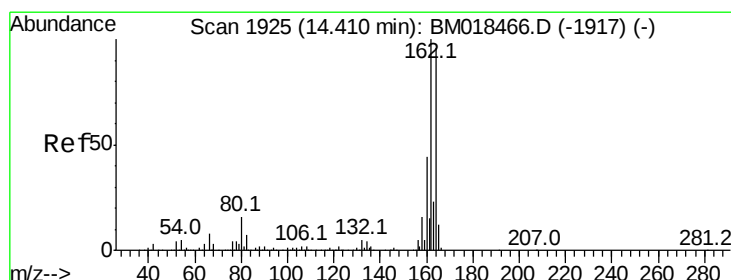
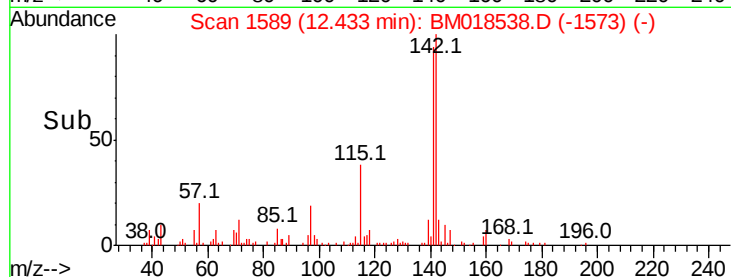
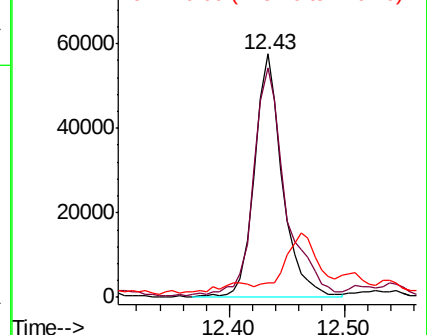


Abundance

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: 14.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

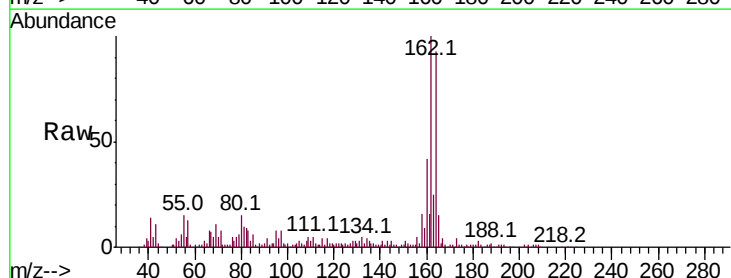
Tgt Ion:164 Resp: 328012

Ion Ratio Lower Upper

164 100

162 107.1 83.0 124.4

160 45.0 37.1 55.7

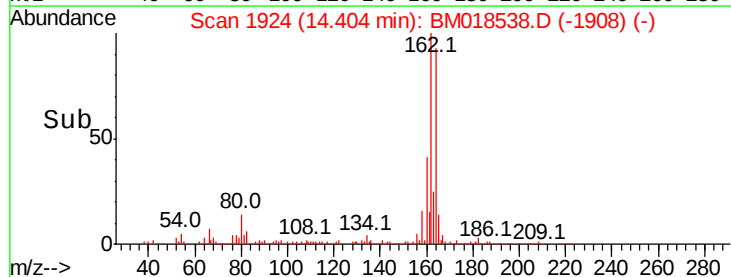
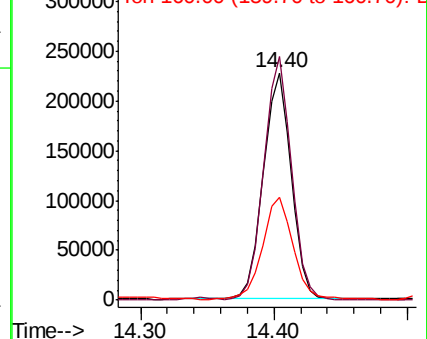


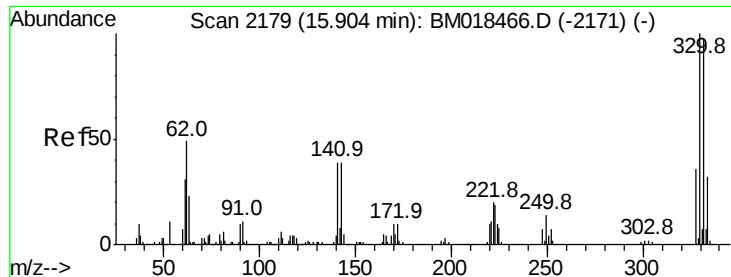
Abundance

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

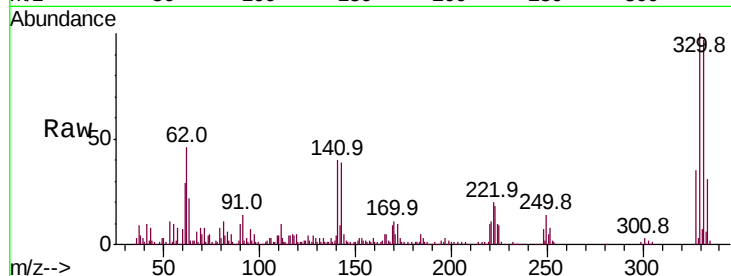




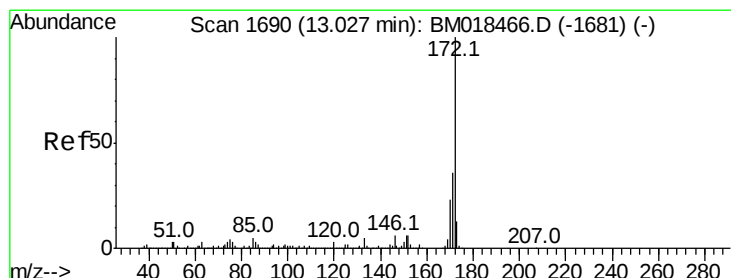
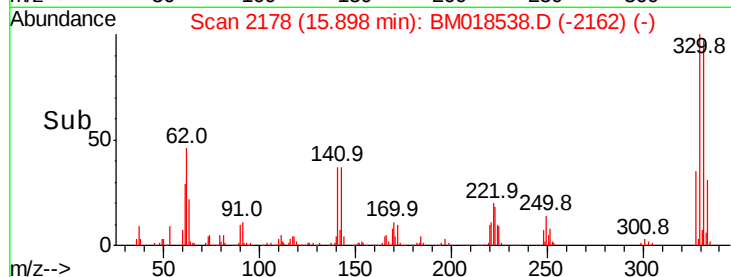
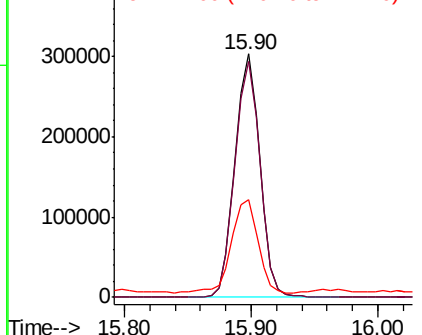
#42
 2,4,6-Tribromophenol
 Concen: 99.007 ng
 RT: 15.90 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: BM018538.D
 Acq: 11 Jan 2019 17:21

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 413502
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.6 116.4
 141 40.3 31.7 47.5

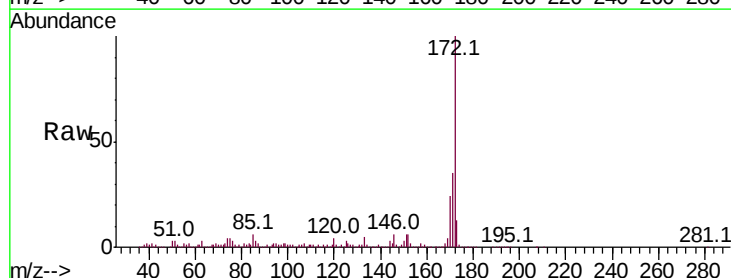


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

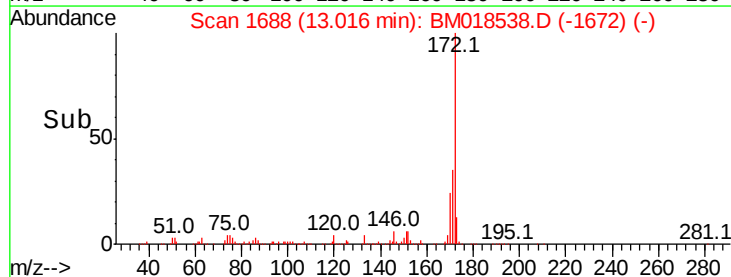
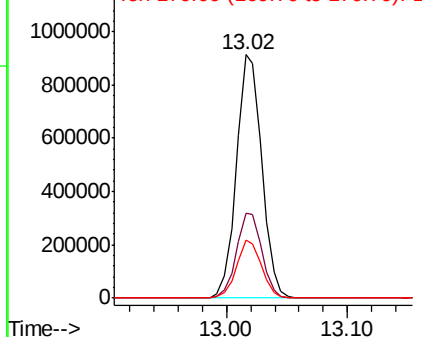


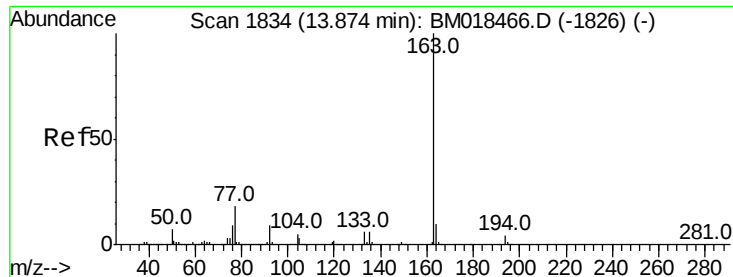
#45
 2-Fluorobiphenyl
 Concen: 53.277 ng
 RT: 13.02 min Scan# 1688
 Delta R.T. -0.01 min
 Lab File: BM018538.D
 Acq: 11 Jan 2019 17:21

Tgt Ion:172 Resp: 1339247
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.2 42.4
 170 24.0 18.9 28.3



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





#50

Dimethylphthalate

Concen: 15.365 ng

RT: 13.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BM018538.D

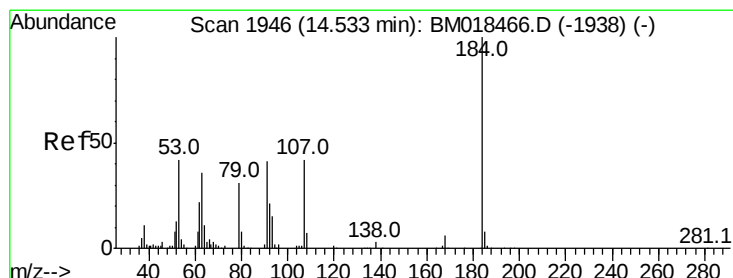
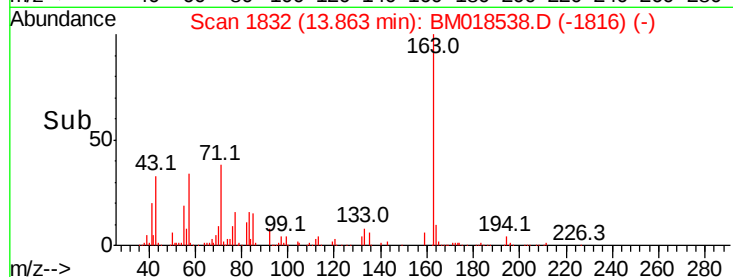
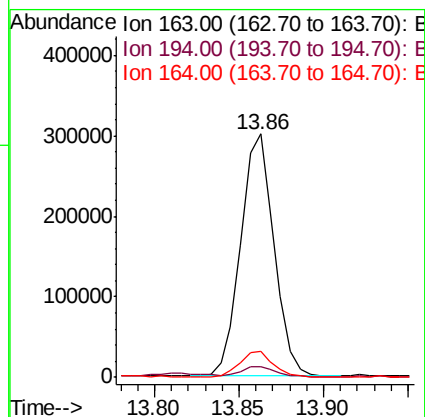
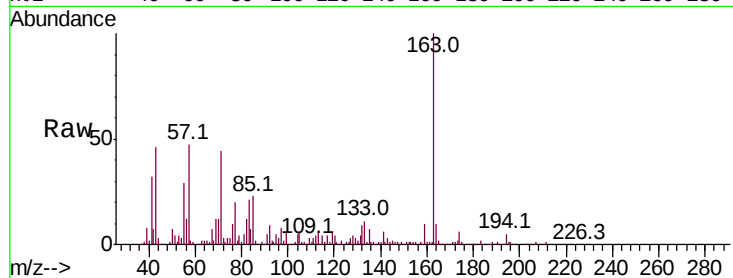
Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	163	Resp:	413902
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.0	4.6#
164	10.5	7.8	11.8



#54

2,4-Dinitrophenol

Concen: 7.233 ng

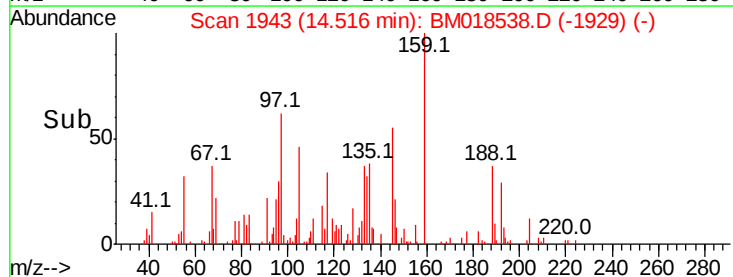
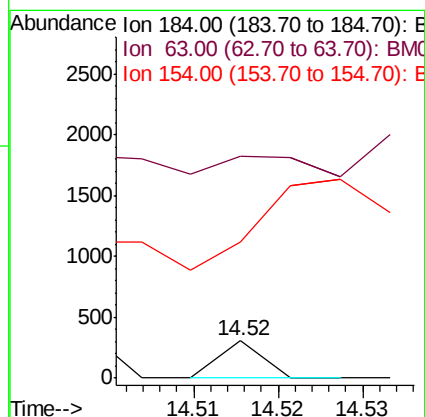
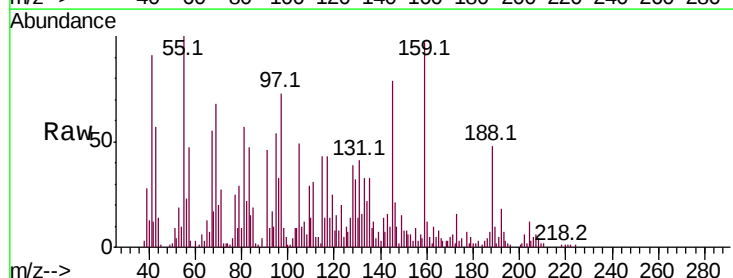
RT: 14.52 min Scan# 1943

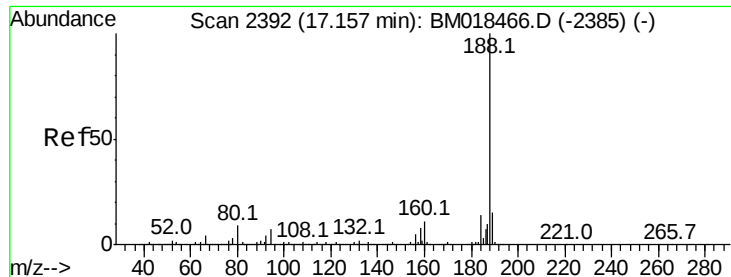
Delta R.T. -0.02 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Tgt Ion:	184	Resp:	108
Ion	Ratio	Lower	Upper
184	100		
63	598.0	55.9	83.9#
154	366.6	54.2	81.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampleId :

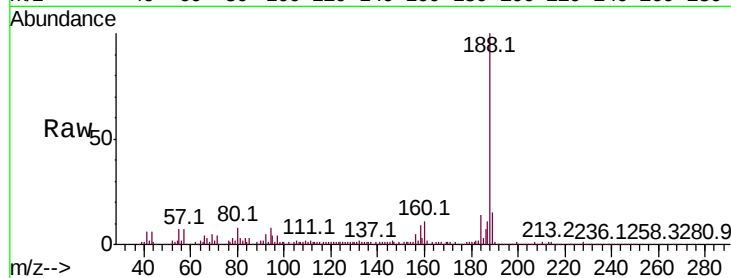
Tot Ion:188 Resp: 821375

Ion Ratio Lower Upper

188 100

94 7.9 7.1 10.7

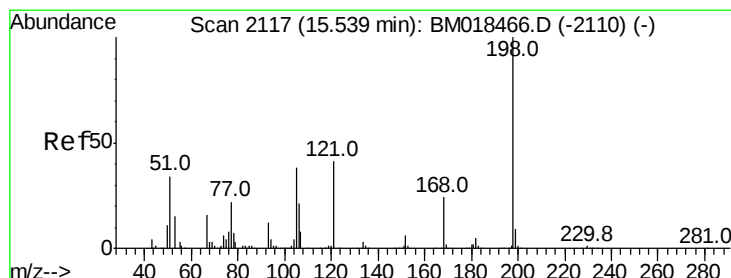
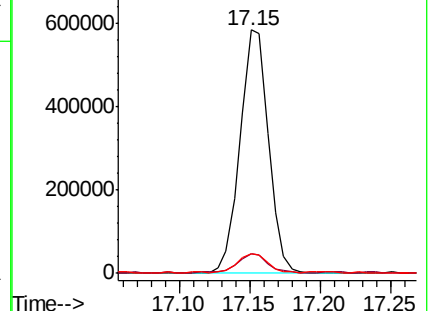
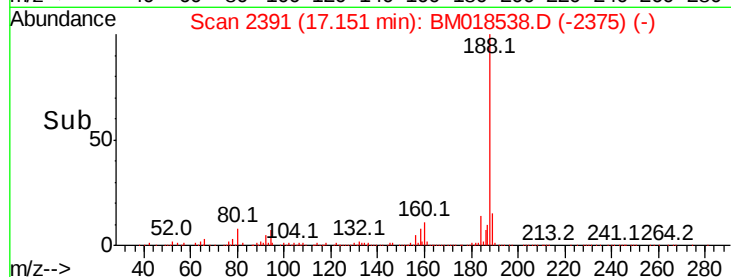
80 8.2 7.6 11.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.446 ng

RT: 15.56 min Scan# 2120

Delta R.T. 0.01 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

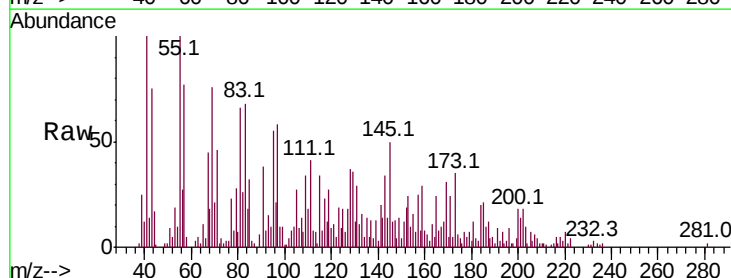
Tgt Ion:198 Resp: 310

Ion Ratio Lower Upper

198 100

51 499.6 29.6 69.6#

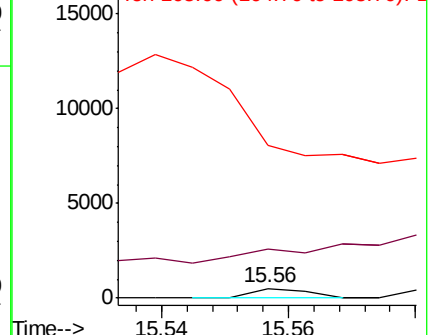
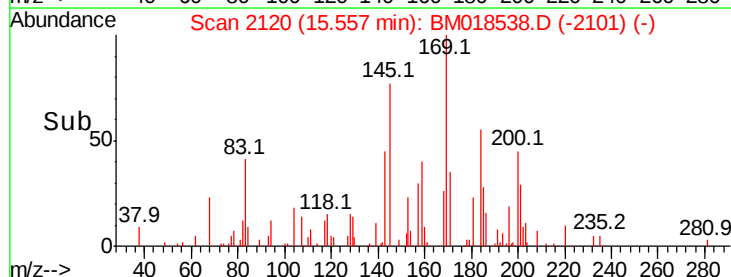
105 1544.9 25.5 65.5#

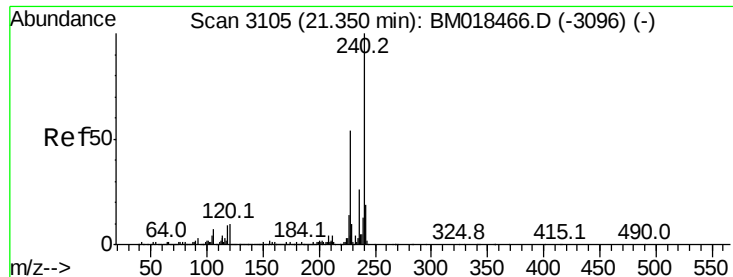


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

Instrument :

BNA_M

ClientSampled :

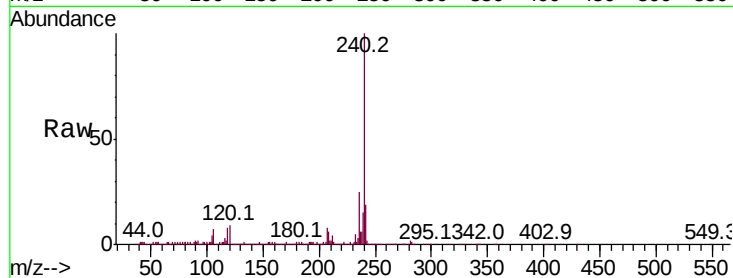
Tot Ion:240 Resp: 1323341

Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.4	12.6
236	25.4	20.7	31.1

240 100

120 8.9 8.4 12.6

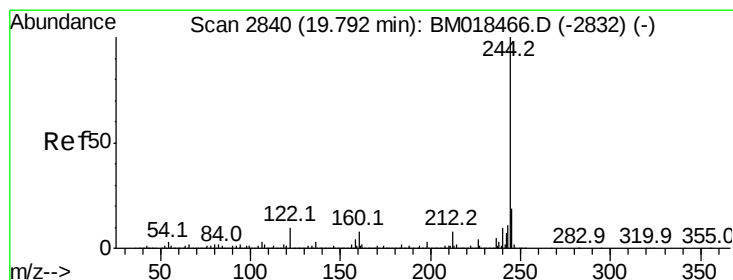
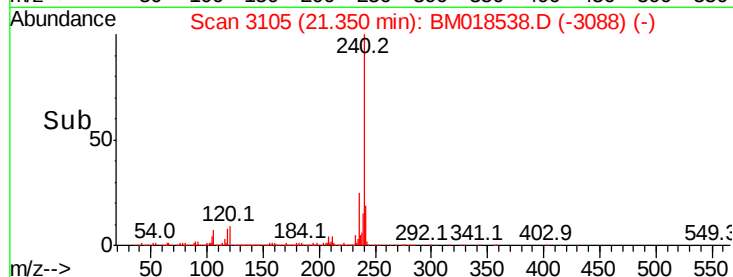
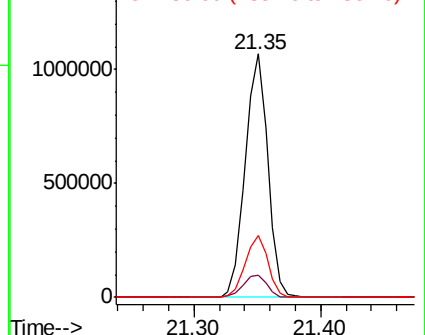
236 25.4 20.7 31.1



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: 42.131 ng

RT: 19.79 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BM018538.D

Acq: 11 Jan 2019 17:21

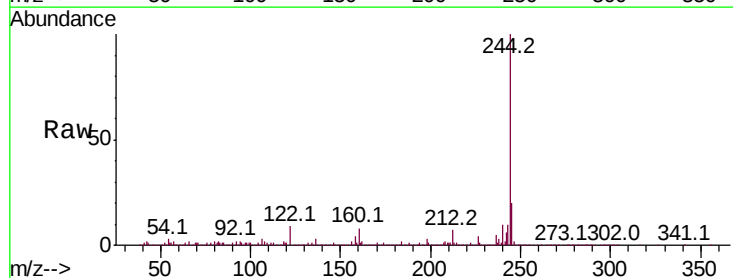
Tgt Ion:244 Resp: 2644817

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	9.5	9.0	13.4

244 100

212 7.4 5.9 8.9

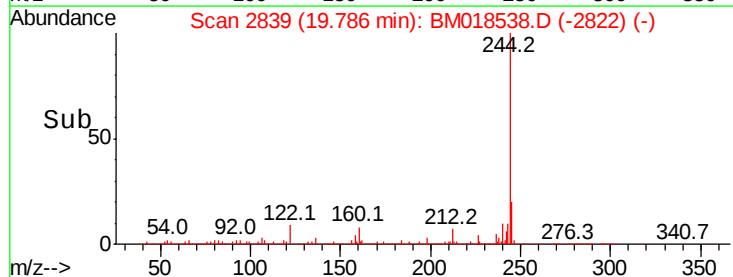
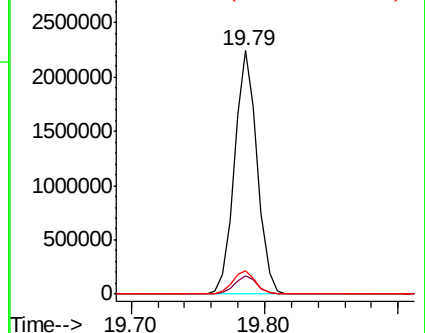
122 9.5 9.0 13.4

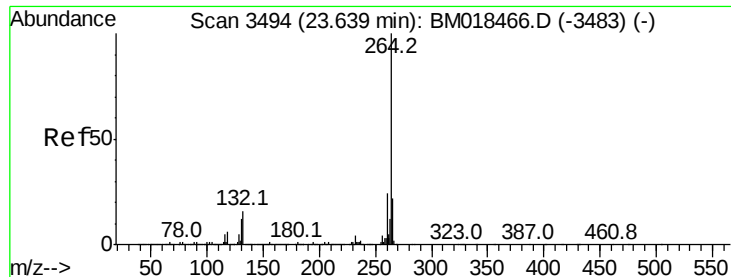


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM018538.D
Acq: 11 Jan 2019 17:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion:264 Resp: 1907532

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	23.2	16.8	25.2

