

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111418\
 Data File : BM017654.D
 Acq On : 14 Nov 2018 19:14
 Operator : MJ/SJ
 Sample : J5918-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FDSB-11(11-13)

Quant Time: Nov 15 03:48:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	294566	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	1297985	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	800095	20.00	ng	0.00
64) Phenanthrene-d10	17.01	188	1746787	20.00	ng	0.00
76) Chrysene-d12	21.21	240	1794018	20.00	ng	0.00
87) Perylene-d12	23.40	264	1459853	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	2583902	148.04	ng	0.00
7) Phenol-d6	6.81	99	3529160	144.77	ng	0.00
23) Nitrobenzene-d5	8.77	82	2451534	97.51	ng	0.00
42) 2,4,6-Tribromophenol	15.76	330	1763913	153.43	ng	0.00
45) 2-Fluorobiphenyl	12.88	172	5482161	88.89	ng	0.00
79) Terphenyl-d14	19.66	244	8228300	103.95	ng	0.00

Target Compounds

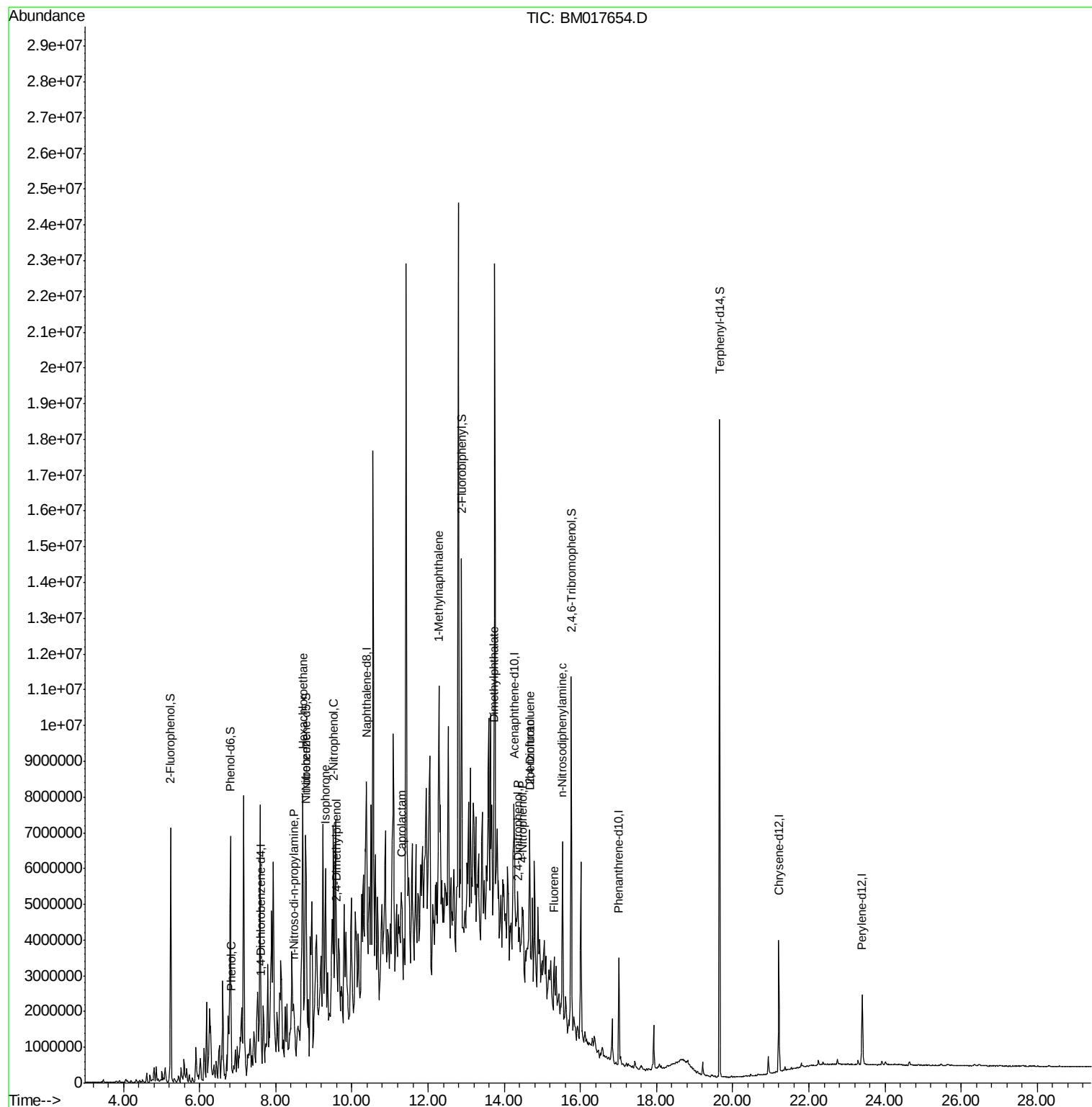
						Qvalue
10) Phenol	6.83	94	165155	6.455	ng	98
18) Hexachloroethane	8.71	117	371690	43.902	ng	# 1
19) n-Nitroso-di-n-propylamine	8.48	70	98091	5.604	ng	# 67
24) Nitrobenzene	8.79	77	88729	3.478	ng	# 34
25) Isophorone	9.31	82	432584	11.140	ng	# 1
26) 2-Nitrophenol	9.52	139	40590	3.454	ng	# 1
27) 2,4-Dimethylphenol	9.60	122	55178	3.258	ng	# 20
35) Caprolactam	11.32	113	24630	3.402	ng	# 1
38) 1-Methylnaphthalene	12.29	142	2802014	63.358	ng	100
50) Dimethylphthalate	13.73	163	580480	8.924	ng	# 97
54) 2,4-Dinitrophenol	14.37	184	3211	7.454	ng	# 1
55) Dibenzofuran	14.66	168	201417	2.508	ng	# 21
56) 4-Nitrophenol	14.47	139	74797	10.249	ng	# 39
57) 2,4-Dinitrotoluene	14.67	165	48785	2.498	ng	# 58
58) Fluorene	15.32	166	182247	2.964	ng	# 79
66) n-Nitrosodiphenylamine	15.53	169	185713	3.307	ng	# 42

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

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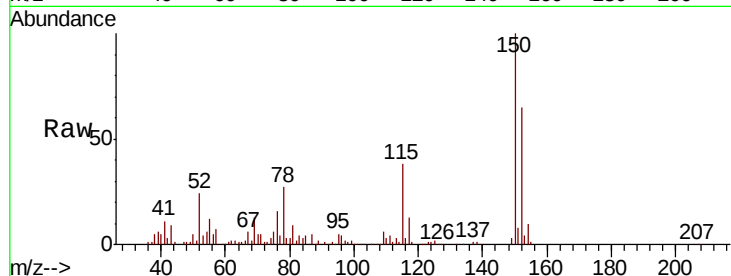


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.62 min Scan# 787
Delta R.T. -0.00 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

Instrument :
BNA_M
ClientSampleId :
FDSB-11(11-13)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.4	189.6
115	59.2	49.4	74.0

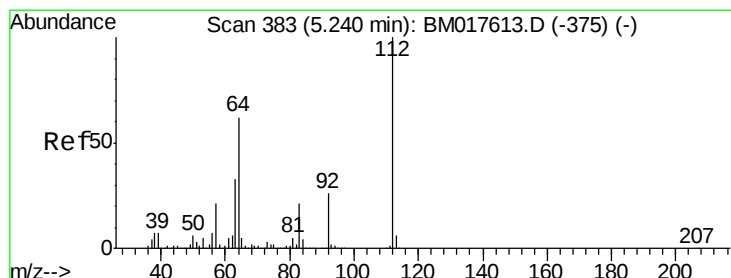
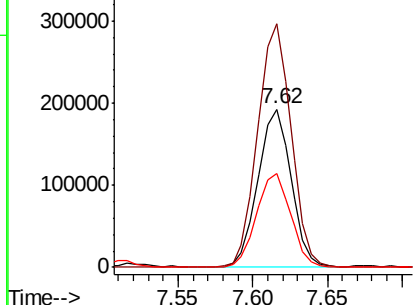
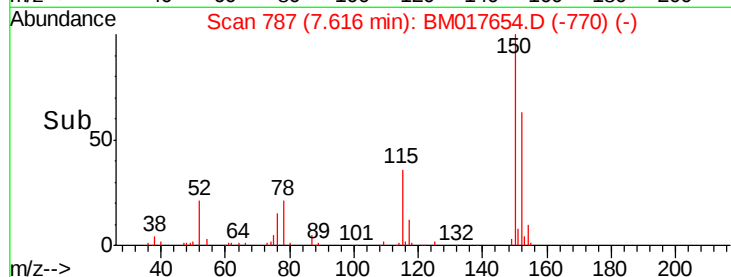


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

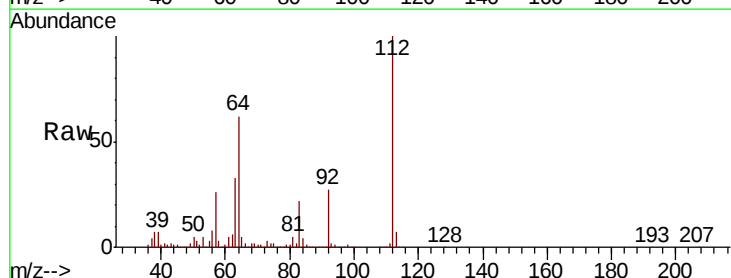
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 148.039 ng
RT: 5.24 min Scan# 383
Delta R.T. 0.00 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	49.3	73.9
63	33.3	26.2	39.4

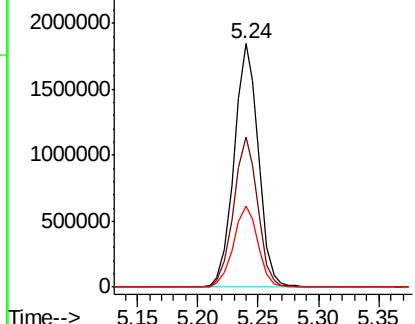
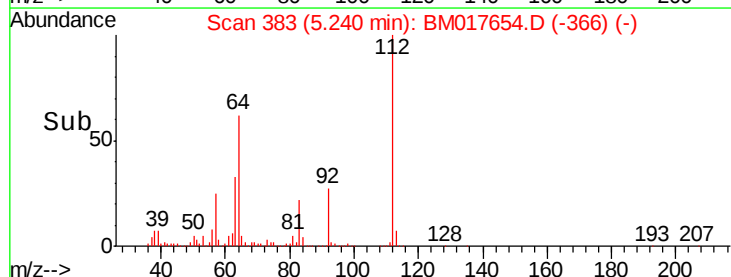


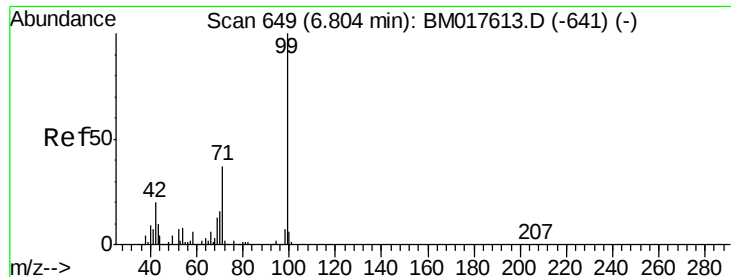
Abundance

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: 144.772 ng

RT: 6.81 min Scan# 650

Delta R.T. 0.01 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

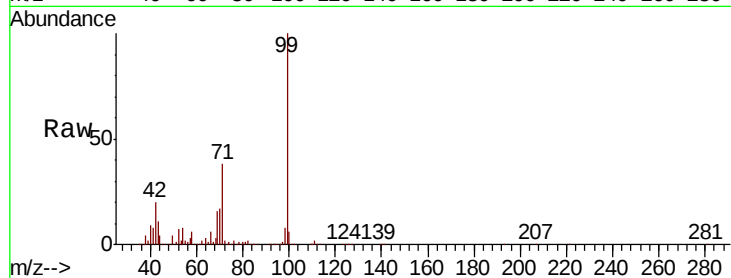
Tgt Ion: 99 Resp: 3529160

Ion Ratio Lower Upper

99 100

42 20.5 16.3 24.5

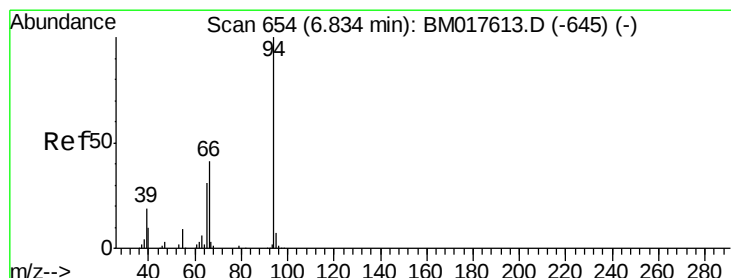
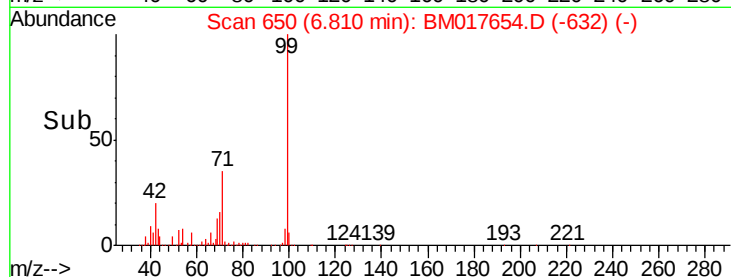
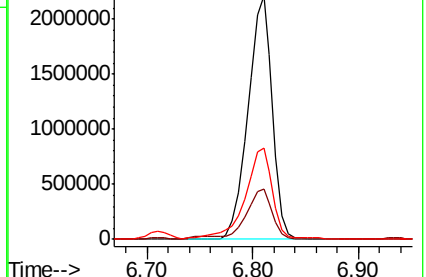
71 37.7 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#10

Phenol

Concen: 6.455 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

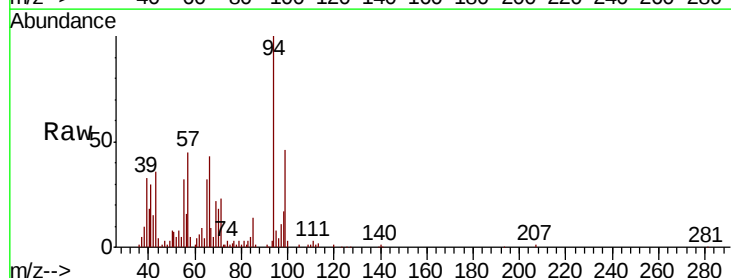
Tgt Ion: 94 Resp: 165155

Ion Ratio Lower Upper

94 100

65 32.0 11.4 51.4

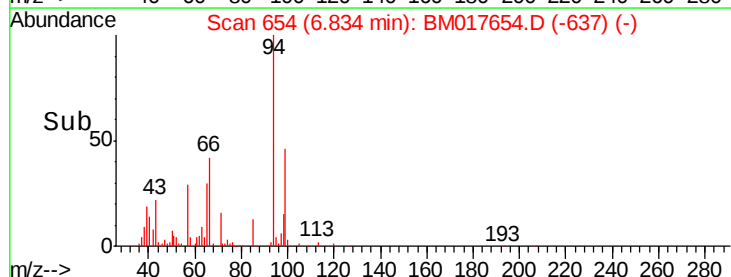
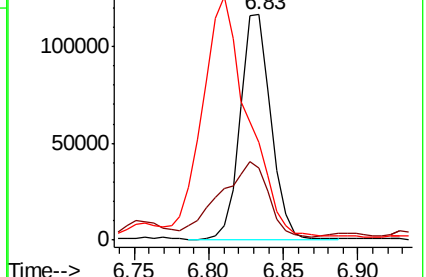
66 43.2 21.4 61.4

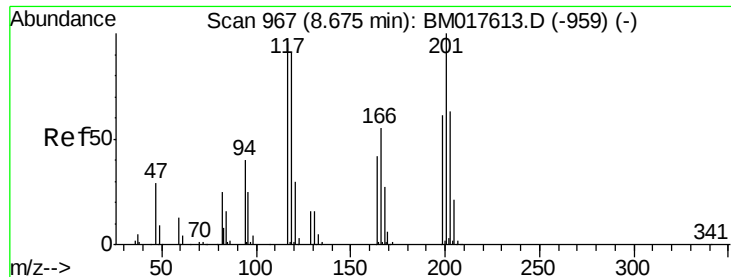


Abundance Ion 94.00 (93.70 to 94.70): BM017613.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM017613.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM017613.D (-645) (-)





#18

Hexachloroethane

Concen: 43.902 ng

RT: 8.71 min Scan# 973

Delta R.T. 0.04 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

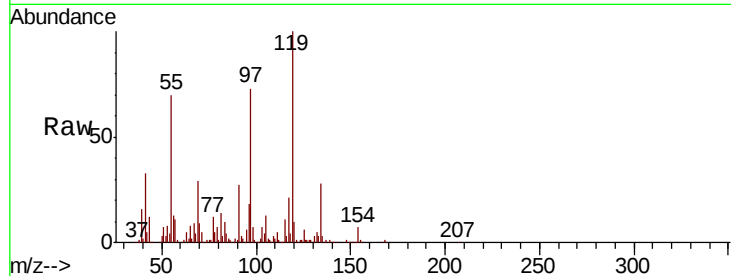
Tgt Ion:117 Resp: 371690

Ion Ratio Lower Upper

117 100

119 473.6 75.8 113.8#

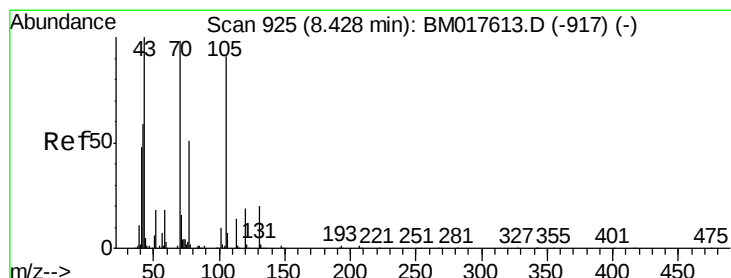
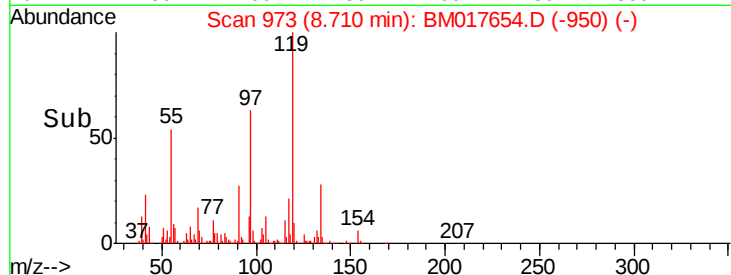
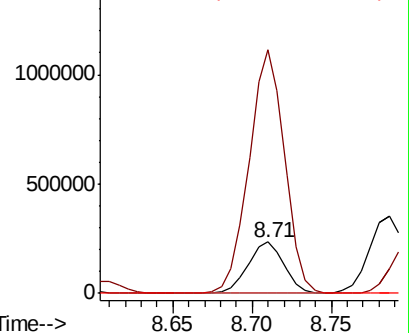
201 0.0 83.0 124.4#



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.604 ng

RT: 8.48 min Scan# 934

Delta R.T. 0.05 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Tgt Ion: 70 Resp: 98091

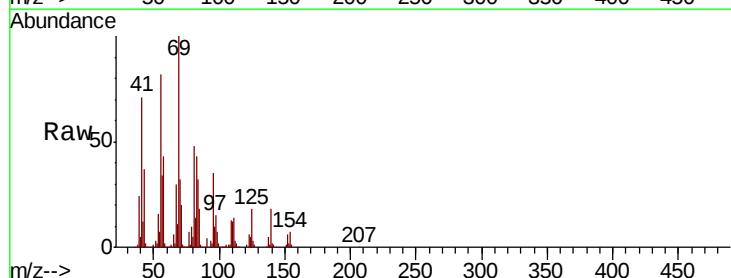
Ion Ratio Lower Upper

70 100

42 37.4 48.6 73.0#

101 0.0 7.9 11.9#

130 0.0 16.6 24.8#

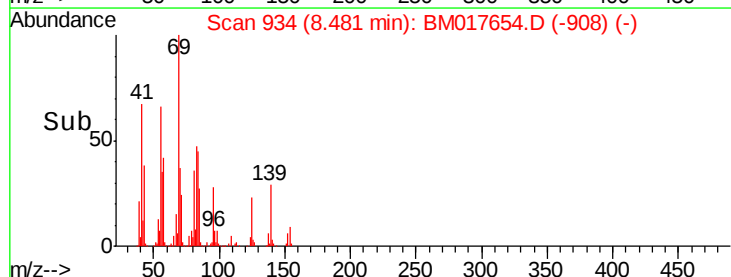
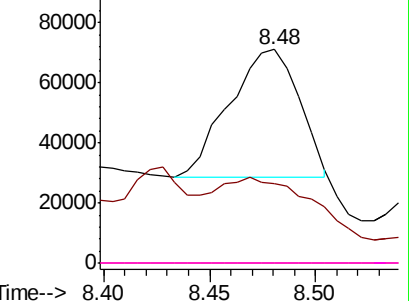


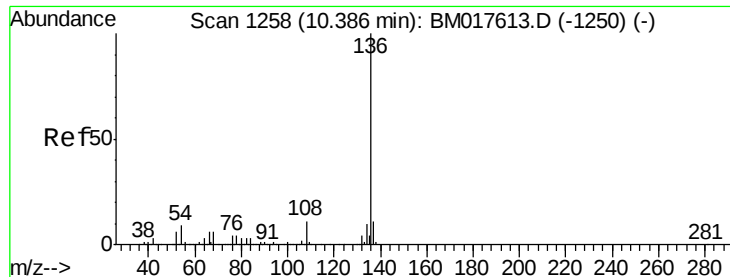
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

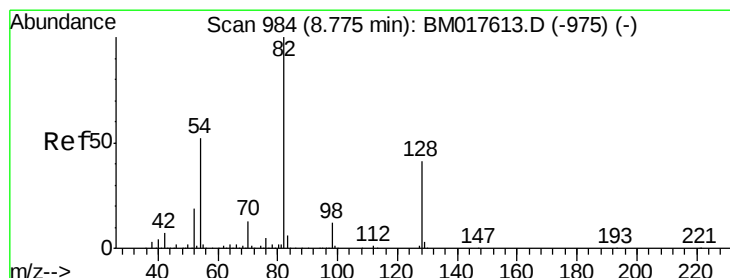
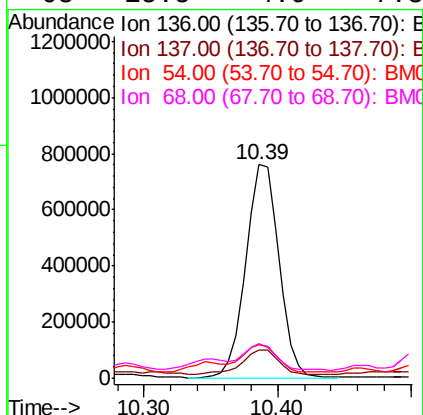
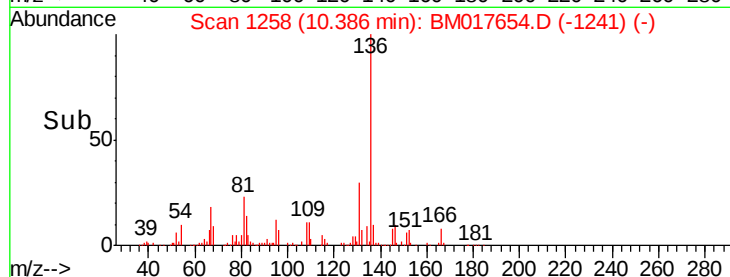
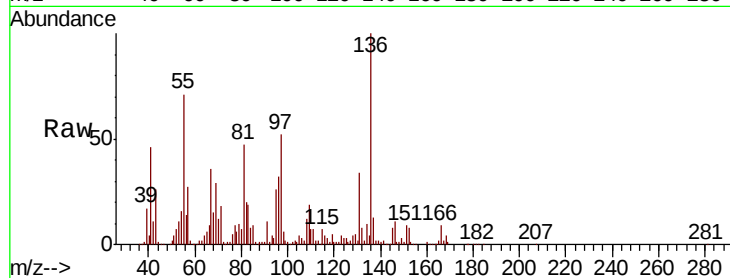




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1258
Delta R.T. -0.00 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

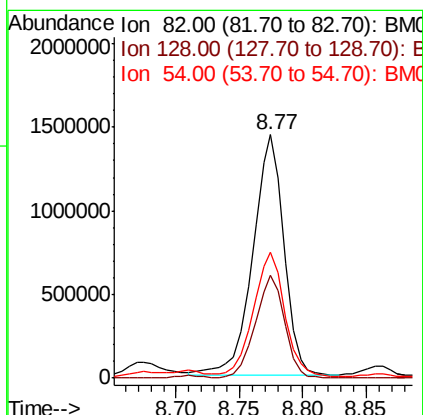
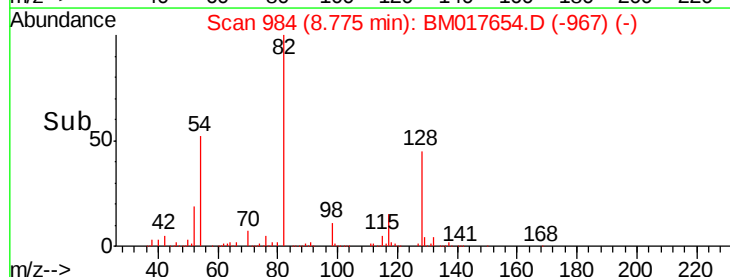
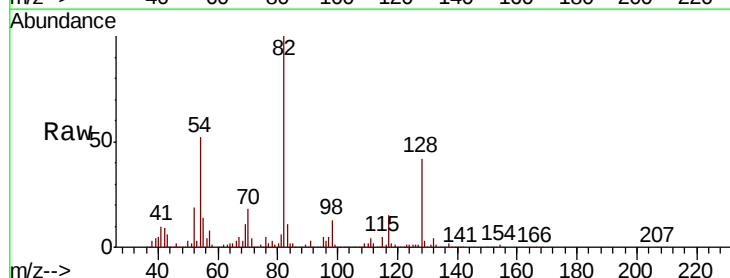
Instrument :
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FDSB-11(11-13)

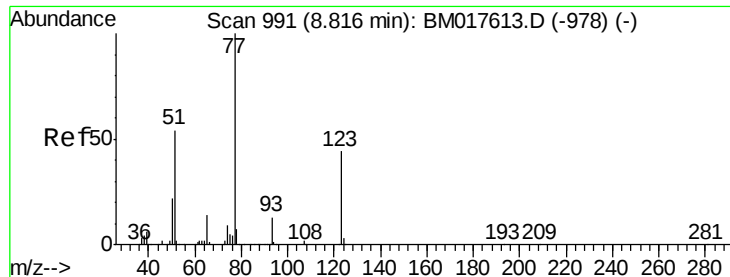
Tgt Ion:	136	Resp:	1297985
Ion	Ratio	Lower	Upper
136	100		
137	13.3	8.6	12.8#
54	16.1	7.0	10.6#
68	15.5	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 97.506 ng
RT: 8.77 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

Tgt Ion:	82	Resp:	2451534
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.0	49.4
54	51.6	41.4	62.2

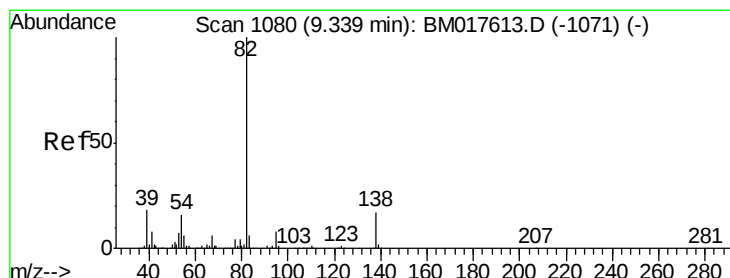
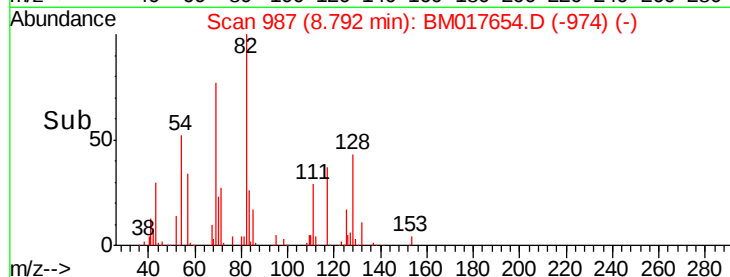
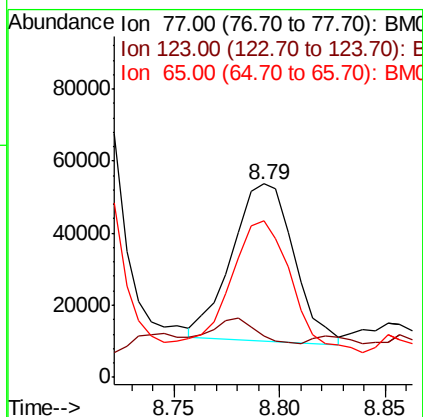
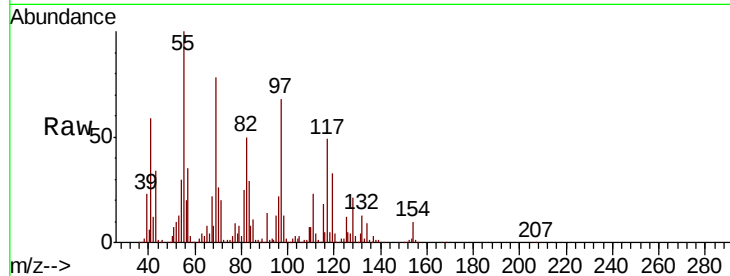




#24
 Nitrobenzene
 Concen: 3.478 ng
 RT: 8.79 min Scan# 987
 Delta R.T. -0.02 min
 Lab File: BM017654.D
 Acq: 14 Nov 2018 19:14

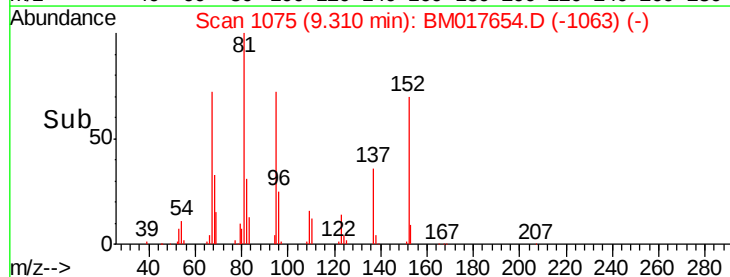
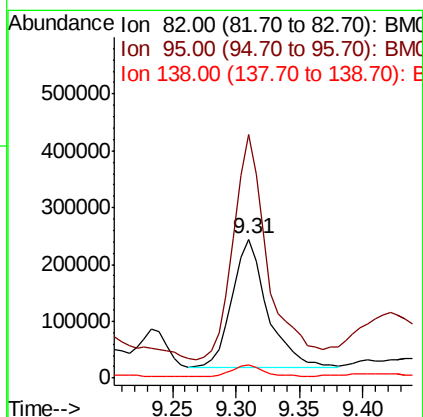
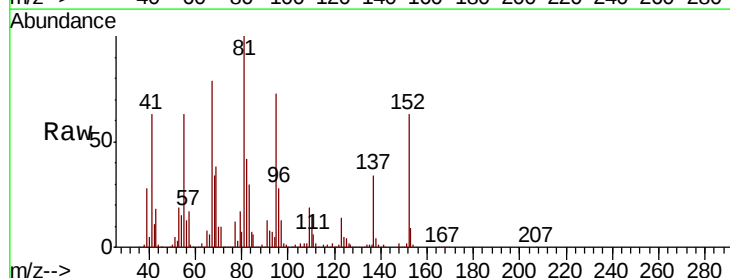
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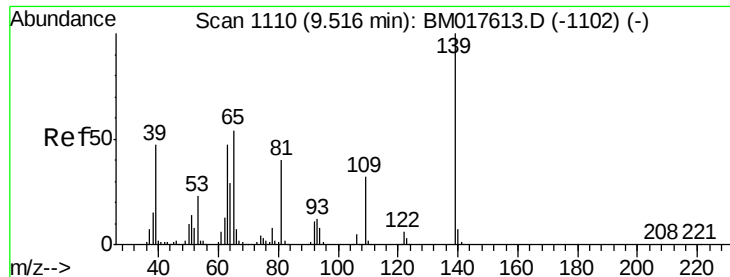
Tgt Ion: 77 Resp: 88729
 Ion Ratio Lower Upper
 77 100
 123 21.1 35.1 52.7#
 65 80.7 11.0 16.6#



#25
 Isophorone
 Concen: 11.140 ng
 RT: 9.31 min Scan# 1075
 Delta R.T. -0.03 min
 Lab File: BM017654.D
 Acq: 14 Nov 2018 19:14

Tgt Ion: 82 Resp: 432584
 Ion Ratio Lower Upper
 82 100
 95 175.3 6.1 9.1#
 138 9.8 13.9 20.9#

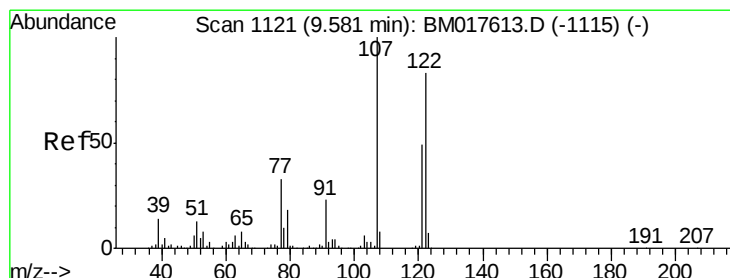
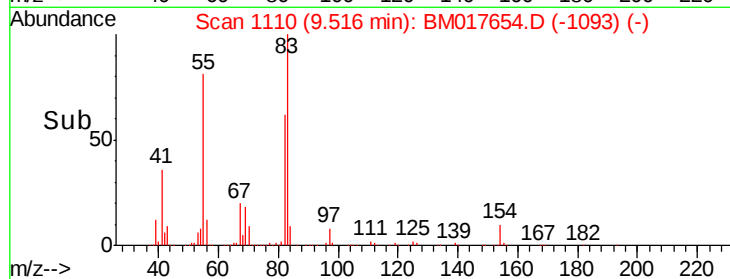
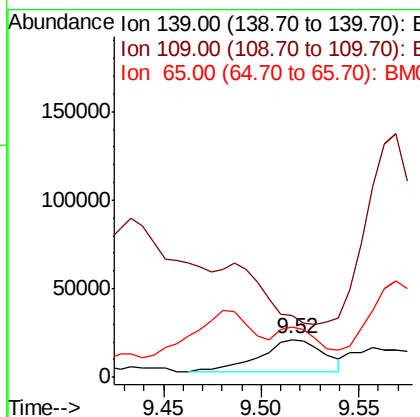
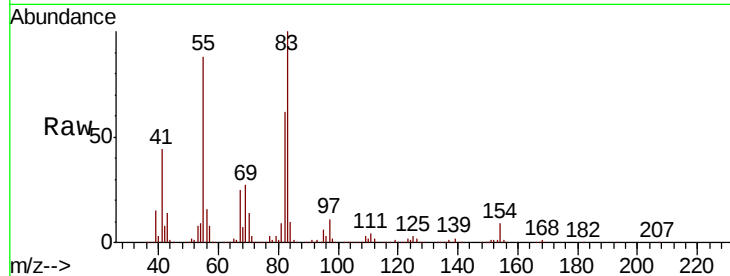




#26
2-Nitrophenol
Concen: 3.454 ng
RT: 9.52 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

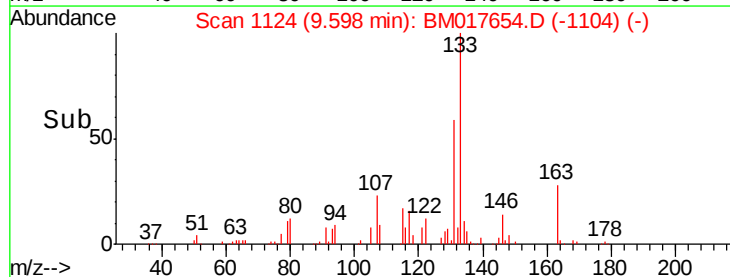
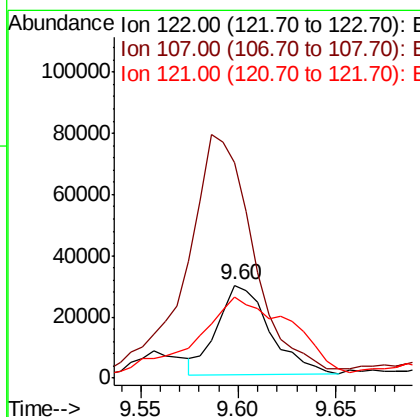
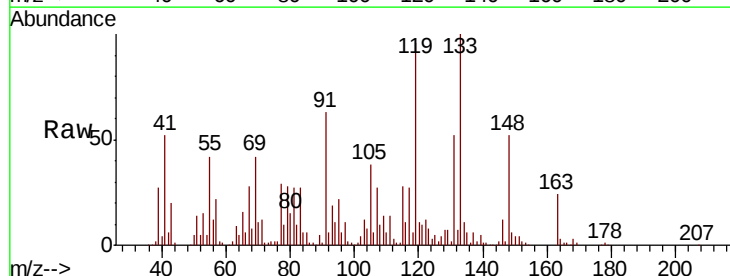
Instrument :
BNA_M
ClientSampleId :
FDSB-11(11-13)

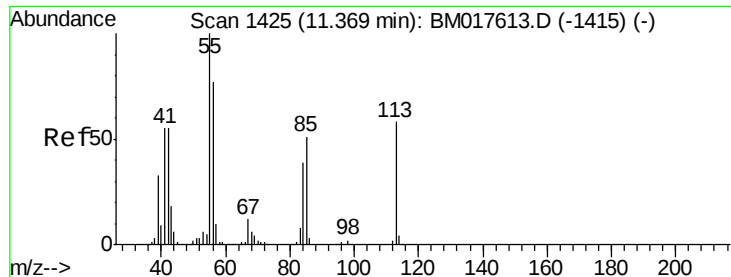
Tgt Ion	Ratio	Lower	Upper
139	100		
109	164.8	25.9	38.9#
65	132.4	43.0	64.4#



#27
2,4-Dimethylphenol
Concen: 3.258 ng
RT: 9.60 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

Tgt Ion	Ratio	Lower	Upper
122	100		
107	232.4	95.8	143.8#
121	87.0	47.2	70.8#





#35

Caprolactam

Concen: 3.402 ng

RT: 11.32 min Scan# 1417

Delta R.T. -0.05 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

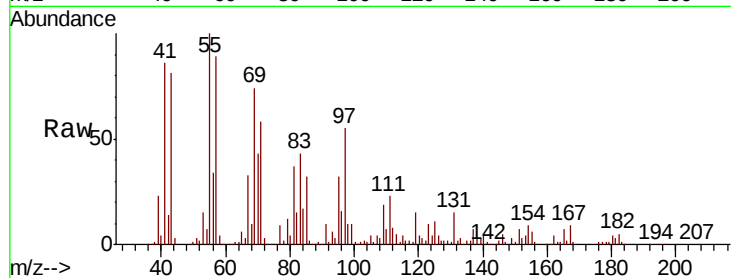
Tgt Ion:113 Resp: 24630

Ion Ratio Lower Upper

113 100

55 1997.6 153.1 193.1#

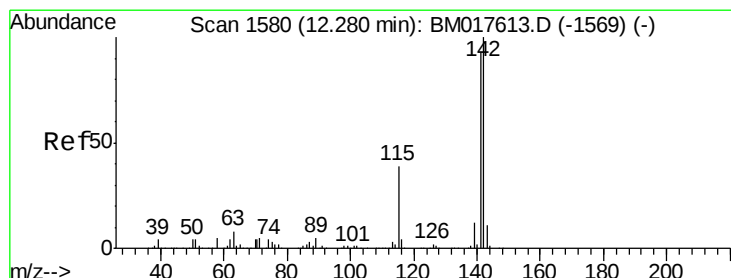
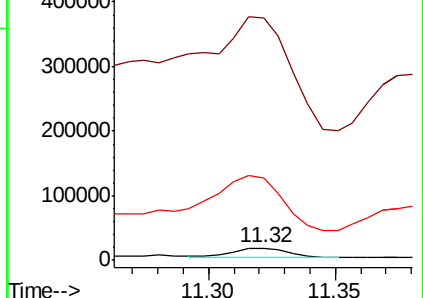
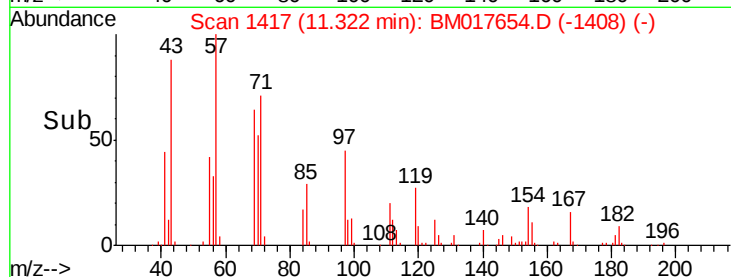
56 672.6 112.7 152.7#



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



#38

1-Methylnaphthalene

Concen: 63.358 ng

RT: 12.29 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

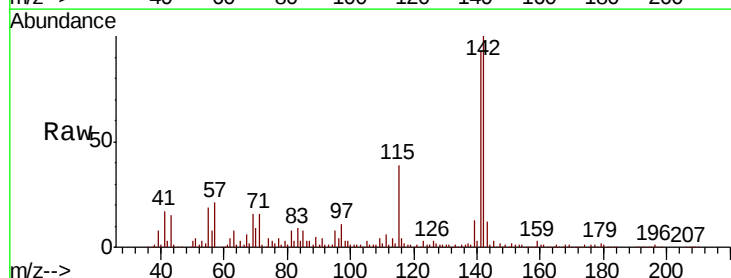
Tgt Ion:142 Resp: 2802014

Ion Ratio Lower Upper

142 100

141 92.7 74.2 111.4

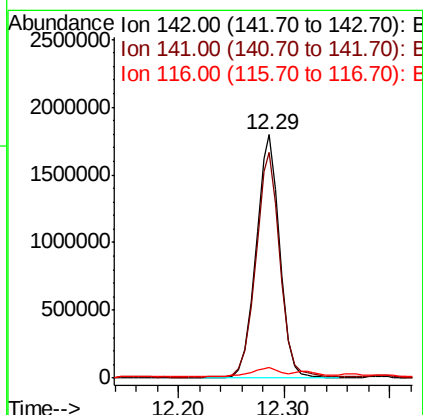
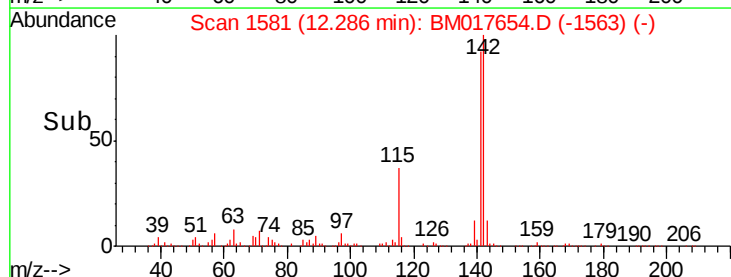
116 4.2 3.1 4.7

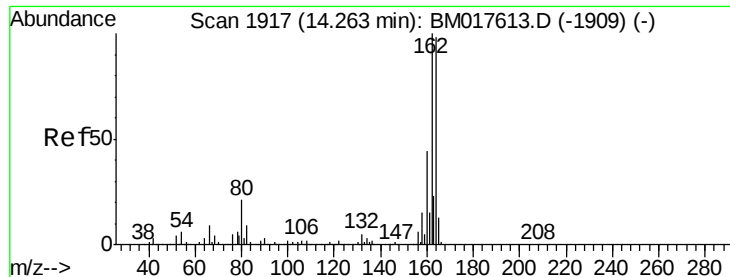


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.26 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

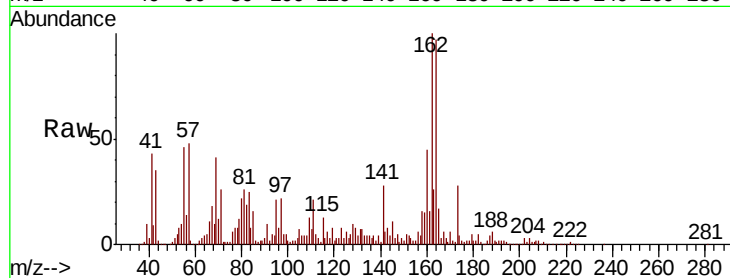
Tgt Ion:164 Resp: 800095

Ion Ratio Lower Upper

164 100

162 103.3 81.4 122.0

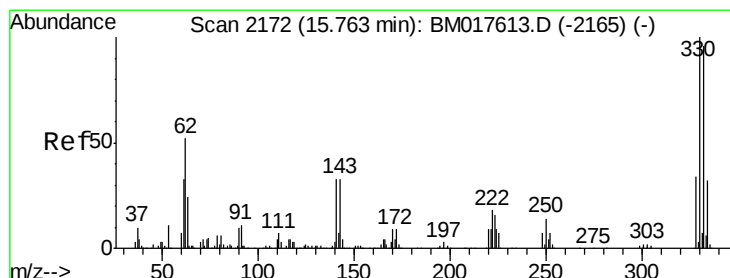
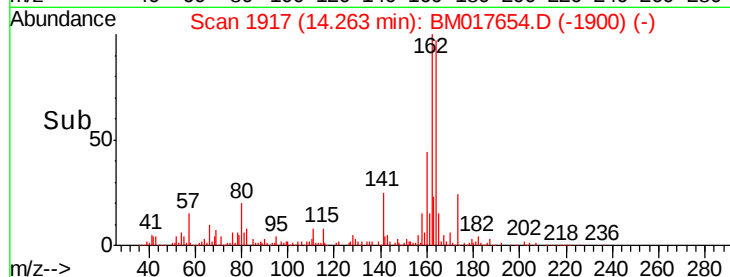
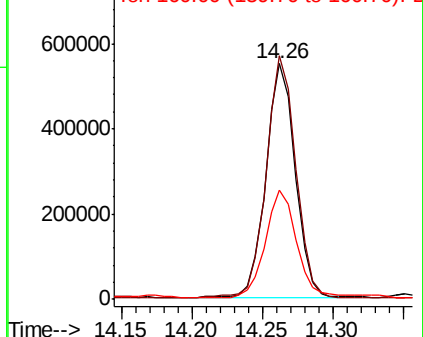
160 46.2 35.6 53.4



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: 153.434 ng

RT: 15.76 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

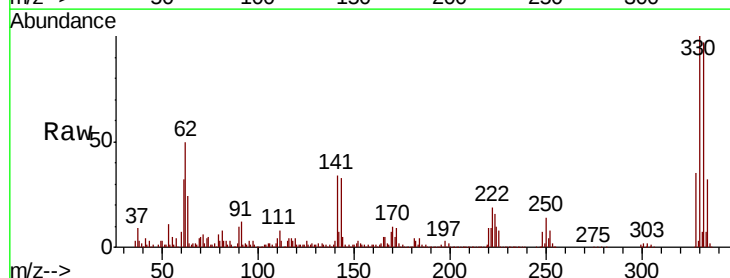
Tgt Ion:330 Resp: 1763913

Ion Ratio Lower Upper

330 100

332 96.4 77.9 116.9

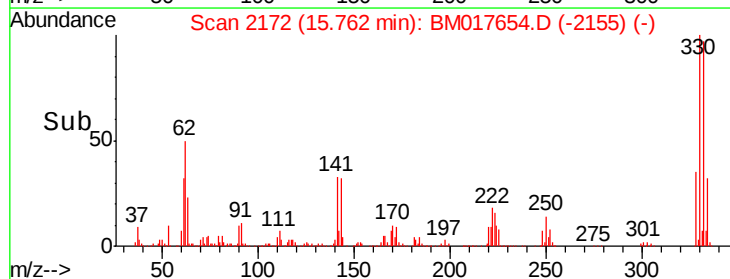
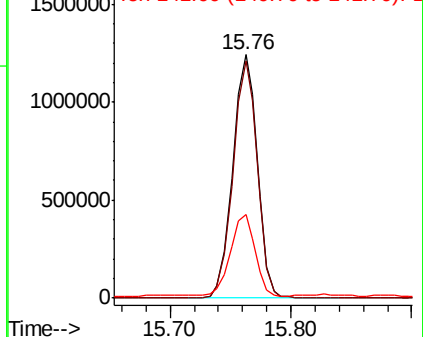
141 33.1 27.5 41.3

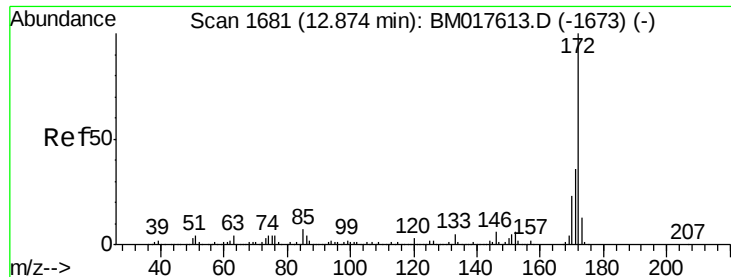


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

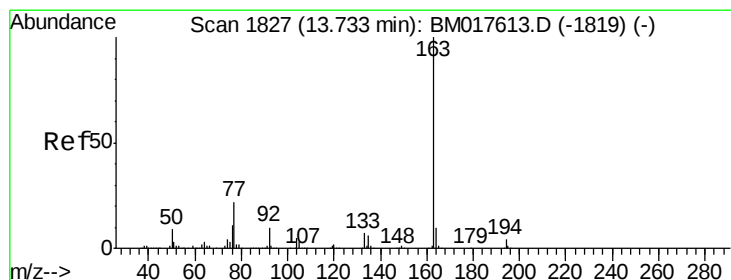
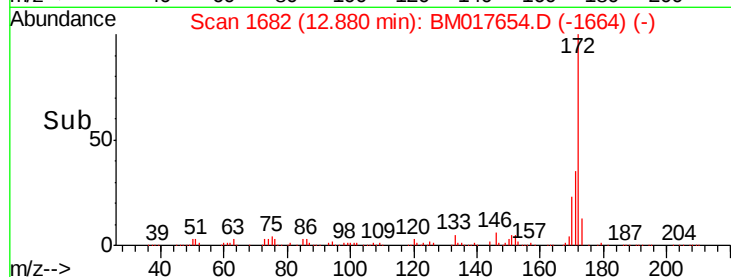
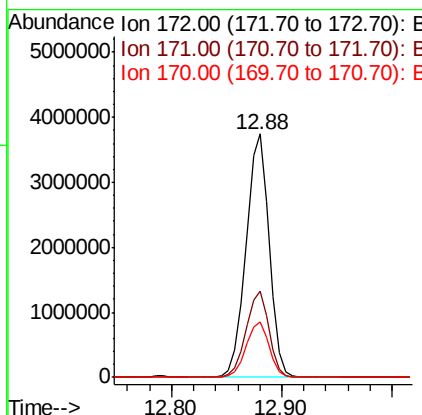
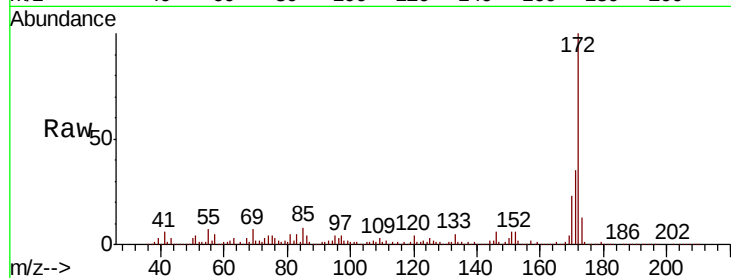




#45
2-Fluorobiphenyl
Concen: 88.892 ng
RT: 12.88 min Scan# 1682
Delta R.T. 0.01 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

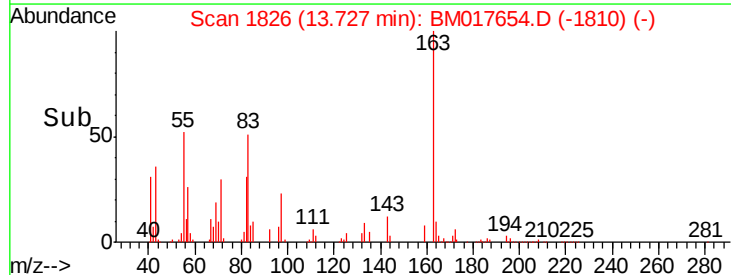
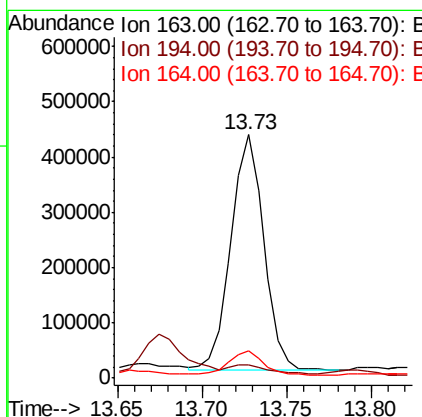
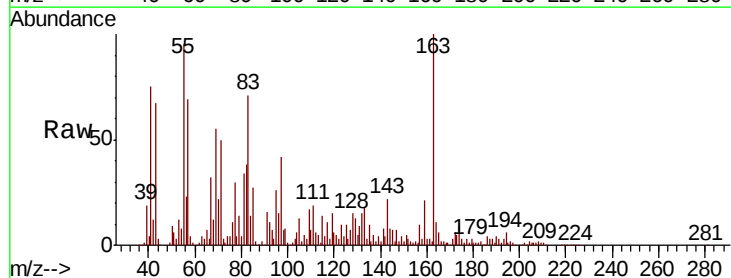
Instrument :
BNA_M
ClientSampleId :
FDSB-11(11-13)

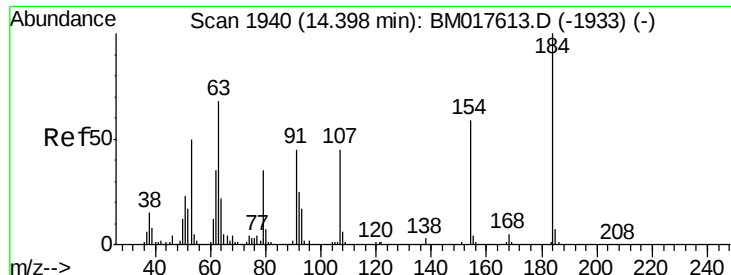
Tgt Ion:172 Resp: 5482161
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.0 18.3 27.5



#50
Dimethylphthalate
Concen: 8.924 ng
RT: 13.73 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM017654.D
Acq: 14 Nov 2018 19:14

Tgt Ion:163 Resp: 580480
Ion Ratio Lower Upper
163 100
194 5.6 3.1 4.7#
164 11.3 8.2 12.4





#54

2,4-Dinitrophenol

Concen: 7.454 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

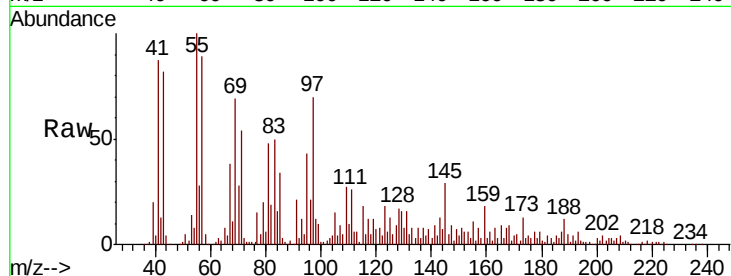
Tgt Ion:184 Resp: 3211

Ion Ratio Lower Upper

184 100

63 515.5 55.1 82.7#

154 490.4 51.3 76.9#

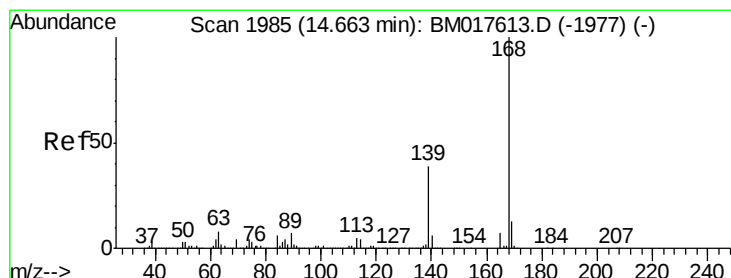
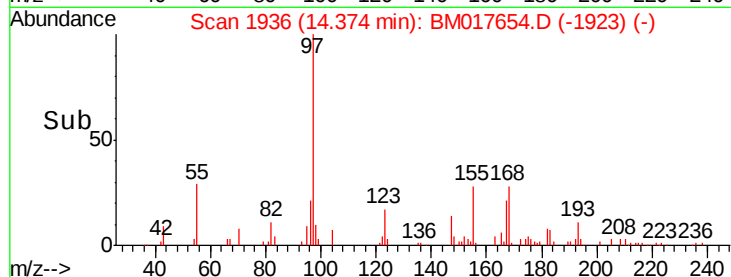
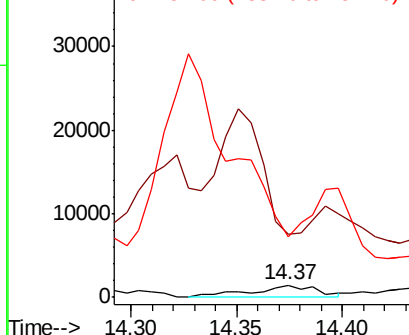


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 2.508 ng

RT: 14.66 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

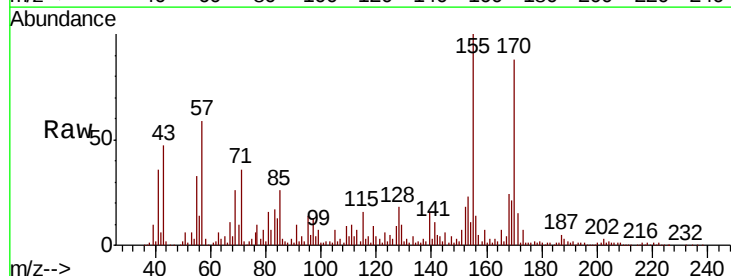
Tgt Ion:168 Resp: 201417

Ion Ratio Lower Upper

168 100

139 65.3 31.0 46.6#

169 85.9 10.6 16.0#

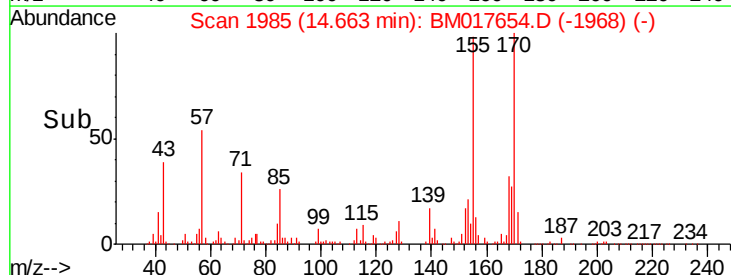
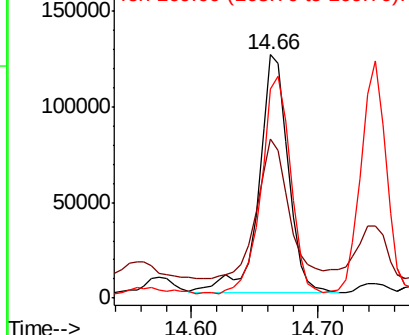


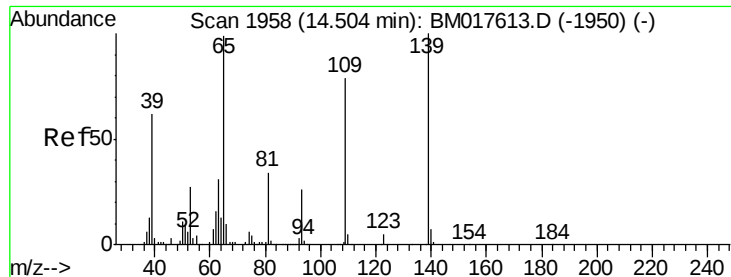
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 10.249 ng

RT: 14.47 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

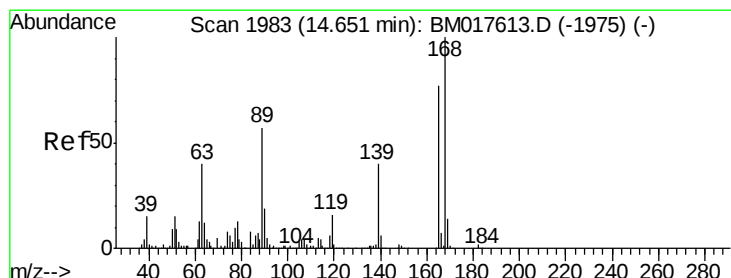
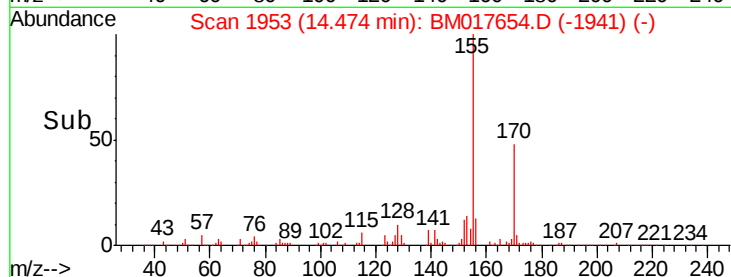
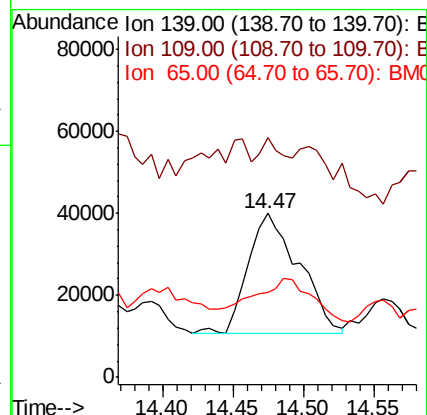
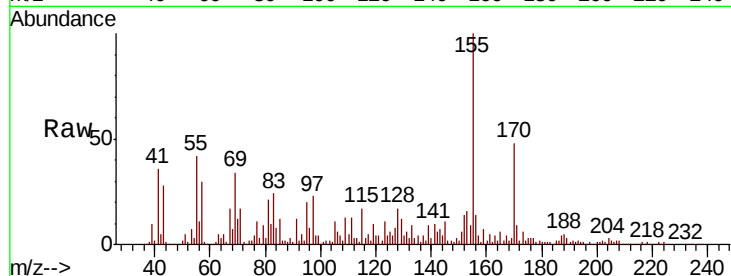
Tgt Ion:139 Resp: 74797

Ion Ratio Lower Upper

139 100

109 146.1 58.6 98.6#

65 51.8 79.5 119.5#



#57

2,4-Dinitrotoluene

Concen: 2.498 ng

RT: 14.67 min Scan# 1986

Delta R.T. 0.02 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Tgt Ion:165 Resp: 48785

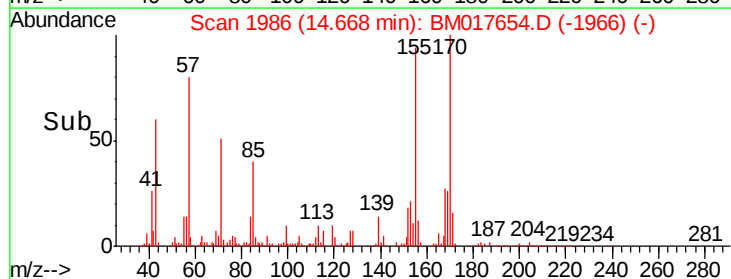
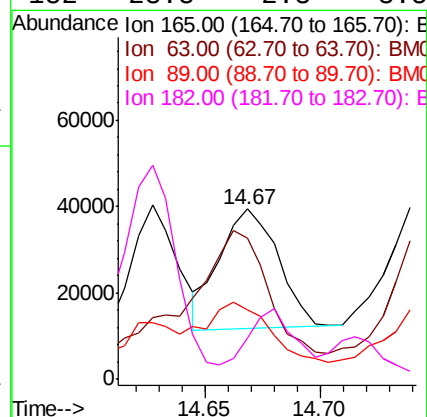
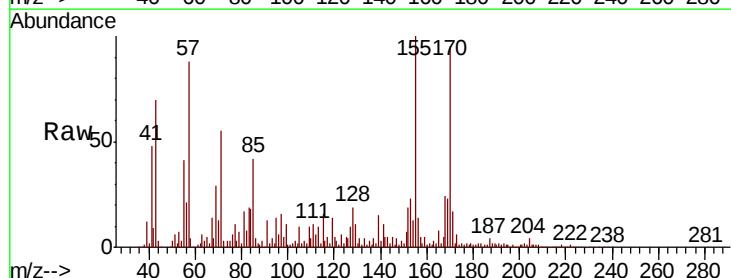
Ion Ratio Lower Upper

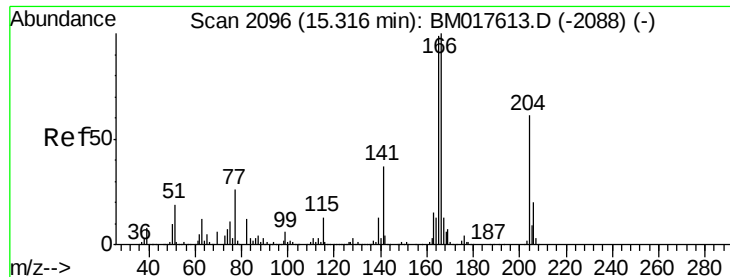
165 100

63 82.9 41.8 62.8#

89 40.6 59.5 89.3#

182 23.8 2.3 3.5#





#58

Fluorene

Concen: 2.964 ng

RT: 15.32 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

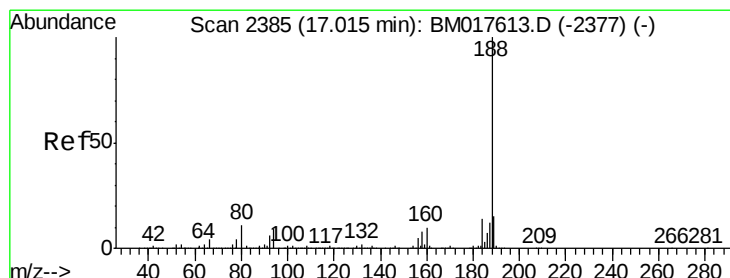
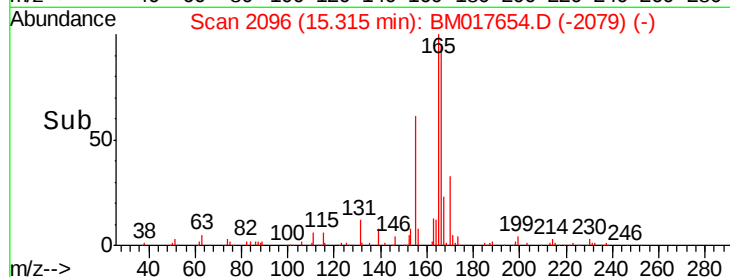
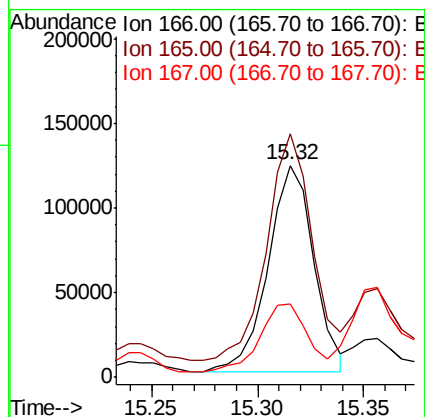
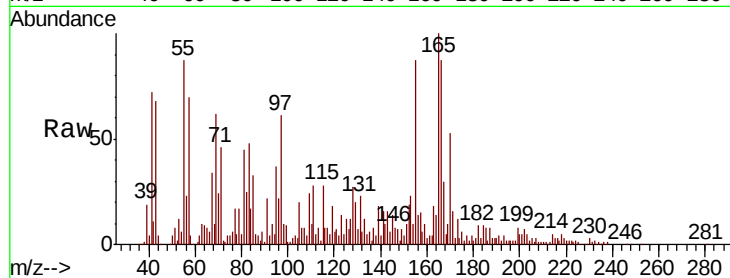
Tgt Ion:166 Resp: 182247

Ion Ratio Lower Upper

166 100

165 115.0 79.0 118.6

167 34.8 10.8 16.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

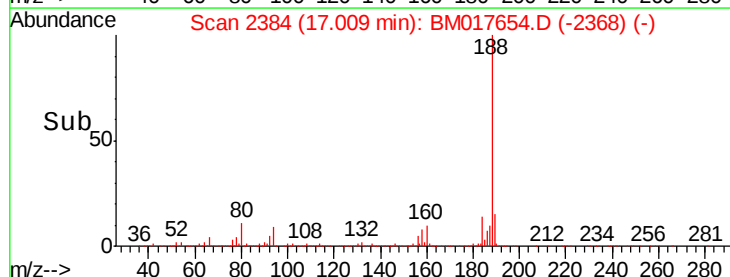
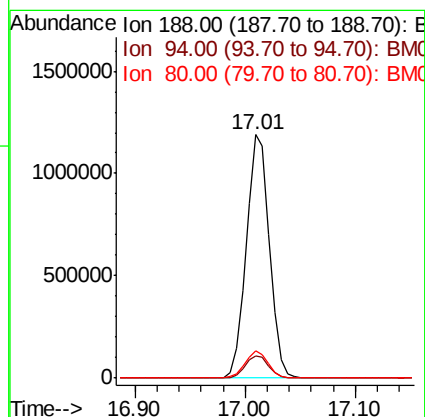
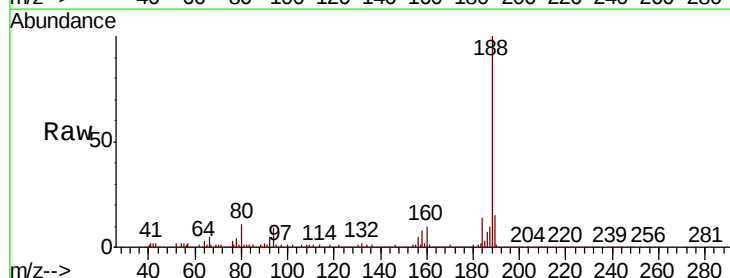
Tgt Ion:188 Resp: 1746787

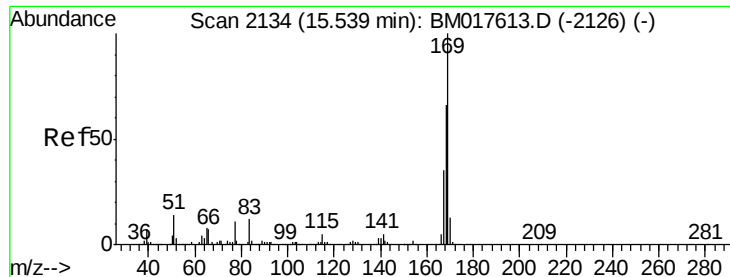
Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

80 11.1 8.6 13.0

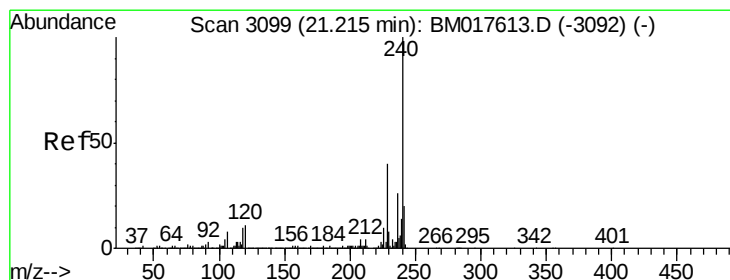
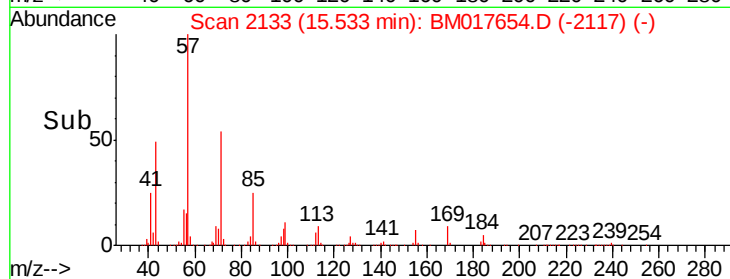
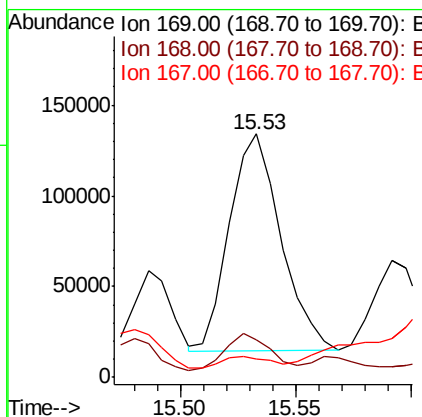
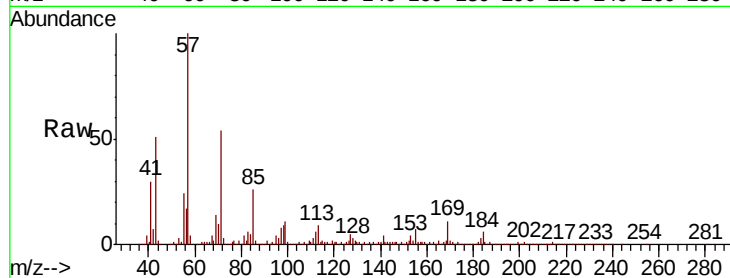




#66
 n-Nitrosodiphenylamine
 Concen: 3.307 ng
 RT: 15.53 min Scan# 2133
 Delta R.T. -0.01 min
 Lab File: BM017654.D
 Acq: 14 Nov 2018 19:14

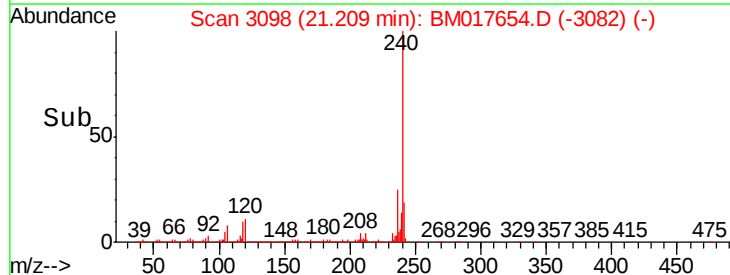
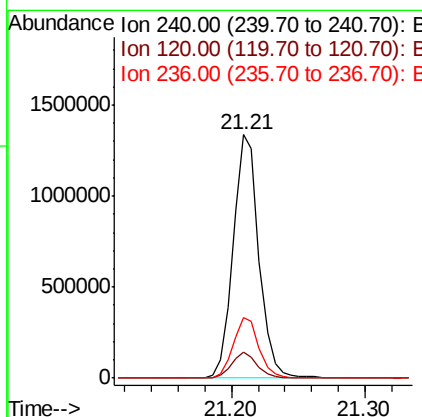
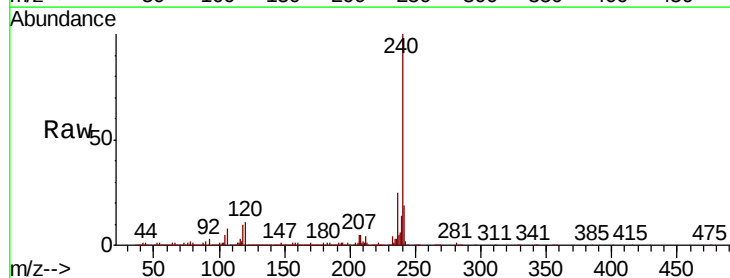
Instrument :
 BNA_M
 ClientSampleId :
 FDSB-11(11-13)

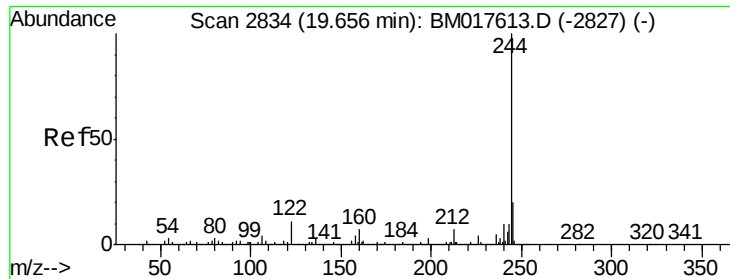
Tgt Ion:169 Resp: 185713
 Ion Ratio Lower Upper
 169 100
 168 15.5 53.0 79.6#
 167 7.7 28.0 42.0#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.21 min Scan# 3098
 Delta R.T. -0.01 min
 Lab File: BM017654.D
 Acq: 14 Nov 2018 19:14

Tgt Ion:240 Resp: 1794018
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.5 12.7
 236 24.9 20.4 30.6





#79

Terphenyl-d14

Concen: 103.950 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

Instrument :

BNA_M

ClientSampleId :

FDSB-11(11-13)

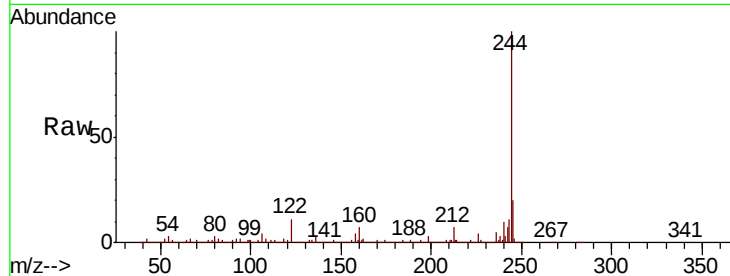
Tgt Ion:244 Resp: 8228300

Ion Ratio Lower Upper

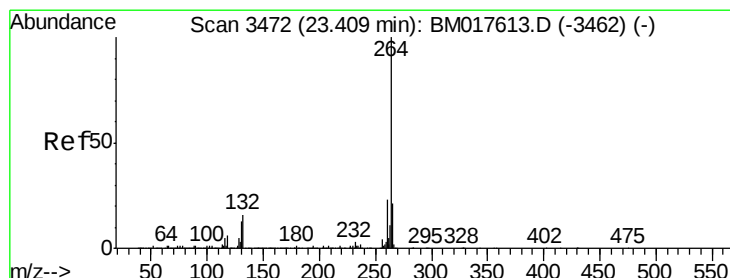
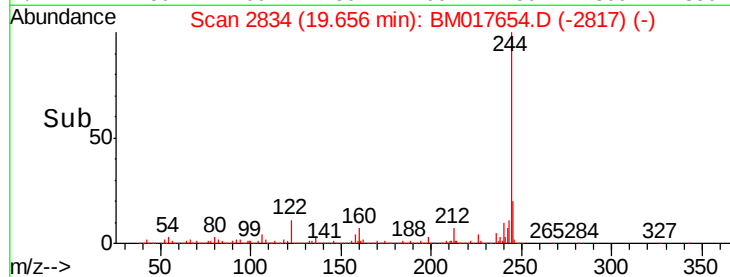
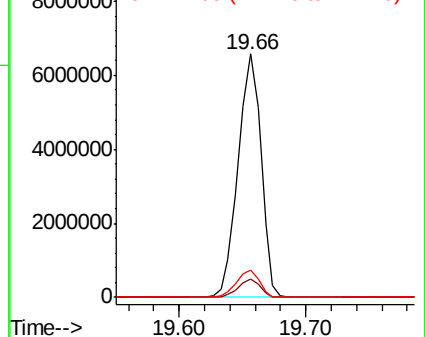
244 100

212 7.3 5.8 8.6

122 11.3 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: 23.40 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BM017654.D

Acq: 14 Nov 2018 19:14

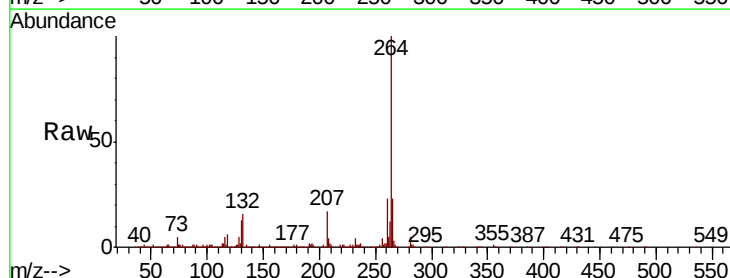
Tgt Ion:264 Resp: 1459853

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 22.5 17.5 26.3



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

