

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111382.D
 Acq On : 13 Dec 2018 20:58
 Operator : JU/SJ
 Sample : J6305-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW002-01

Quant Time: Dec 13 23:19:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	250160	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1039219	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	420886	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	556614	20.00	ng	0.00
76) Chrysene-d12	13.96	240	438213	20.00	ng	0.00
87) Perylene-d12	15.39	264	320939	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	666369	45.05	ng	0.02
7) Phenol-d6	6.48	99	477364	23.93	ng	0.05
23) Nitrobenzene-d5	7.36	82	981254	53.22	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	257828	69.49	ng	0.01
45) 2-Fluorobiphenyl	9.16	172	1642861	62.67	ng	0.00
79) Terphenyl-d14	12.90	244	968579	48.65	ng	0.00

Target Compounds

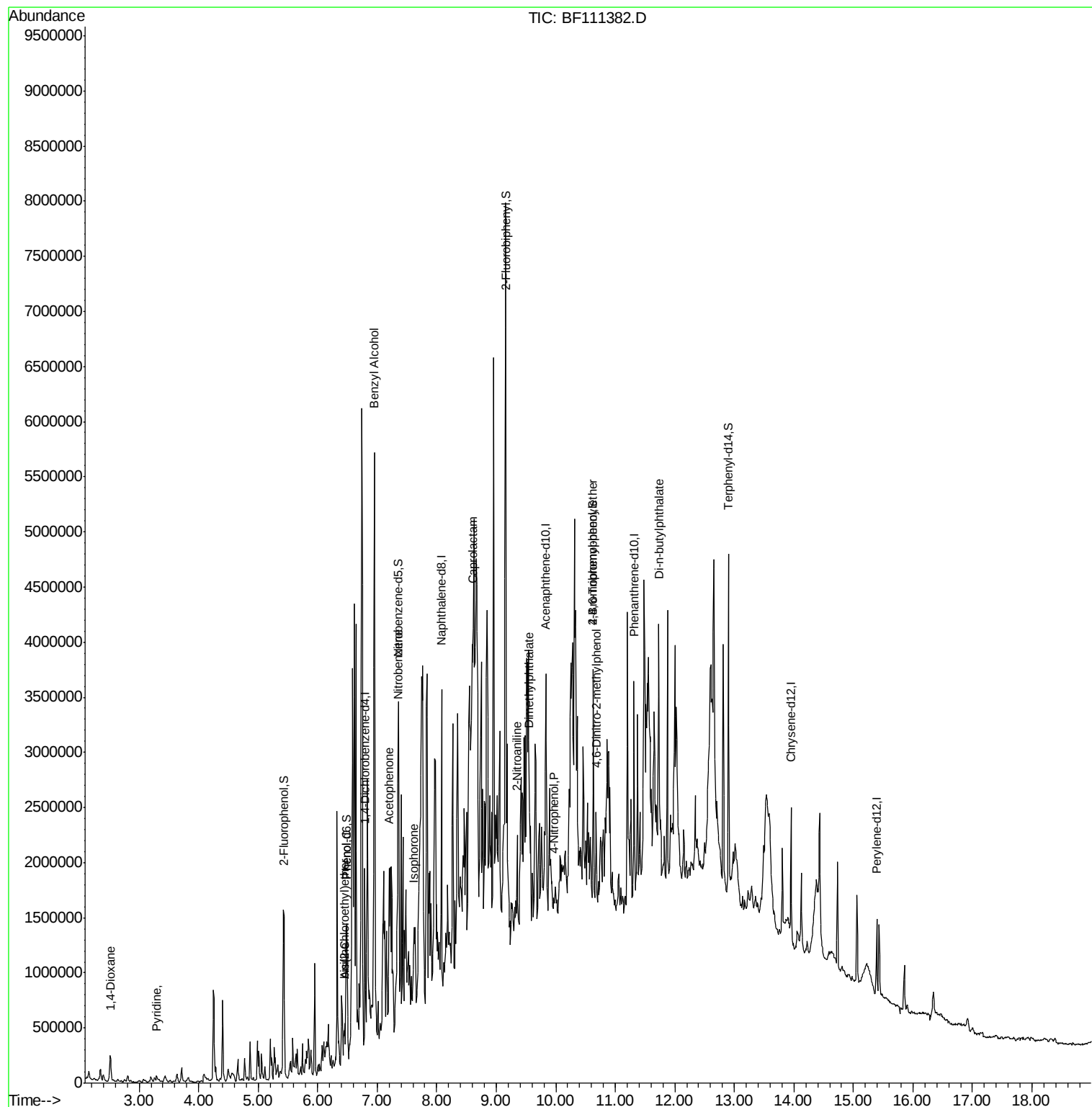
						Qvalue
2) 1,4-Dioxane	2.52	88	101088	13.680	ng	# 87
3) Pyridine	3.29	79	37475	2.064	ng	94
6) Aniline	6.46	93	138190	5.727	ng	94
10) Phenol	6.49	94	220486	9.759	ng	94
11) bis(2-Chloroethyl)ether	6.46	93	138190	7.774	ng	# 23
15) Benzyl Alcohol	6.95	79	49101	3.215	ng	# 48
22) Acetophenone	7.20	105	286102	11.852	ng	# 84
24) Nitrobenzene	7.35	77	47204	2.486	ng	# 61
25) Isophorone	7.62	82	67296	2.149	ng	# 78
35) Caprolactam	8.60	113	1178004	227.427	ng	94
48) 2-Nitroaniline	9.35	65	39108	4.376	ng	# 18
50) Dimethylphthalate	9.56	163	247964	8.193	ng	96
56) 4-Nitrophenol	9.97	139	12501	2.153	ng	# 36
65) 4,6-Dinitro-2-methylphenol	10.67	198	70549	22.077	ng	# 56
67) 4-Bromophenyl-phenylether	10.63	248	16064	2.592	ng	# 1
74) Di-n-butylphthalate	11.73	149	318182	9.226	ng	# 38

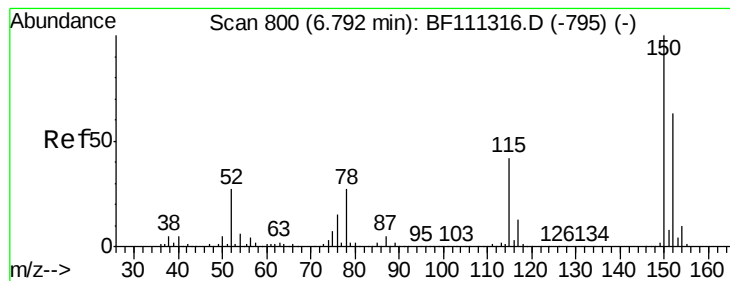
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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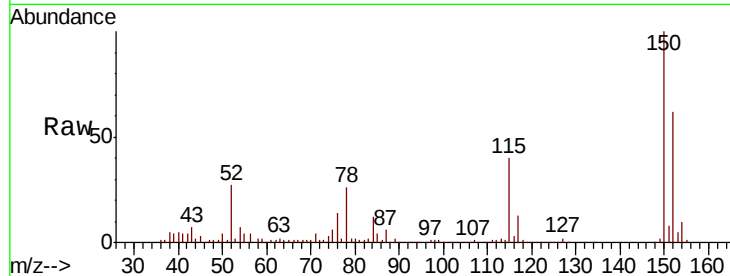




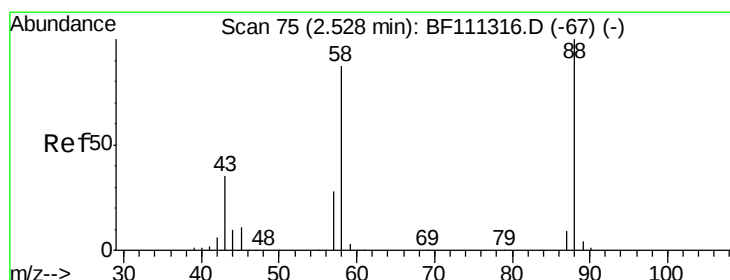
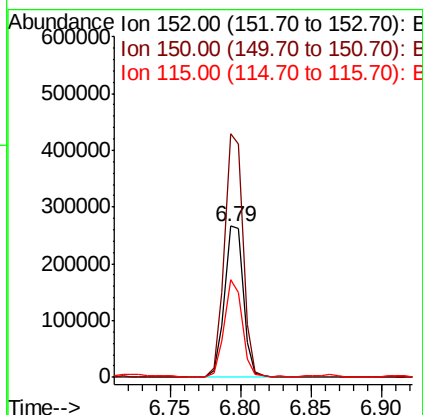
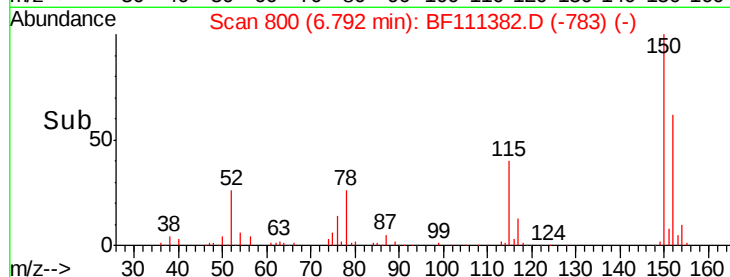
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW002-01

Tgt Ion:152 Resp: 250160
 Ion Ratio Lower Upper
 152 100
 150 160.8 126.6 189.8
 115 64.2 50.7 76.1

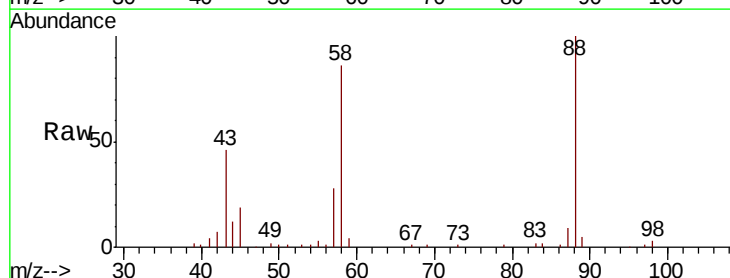


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

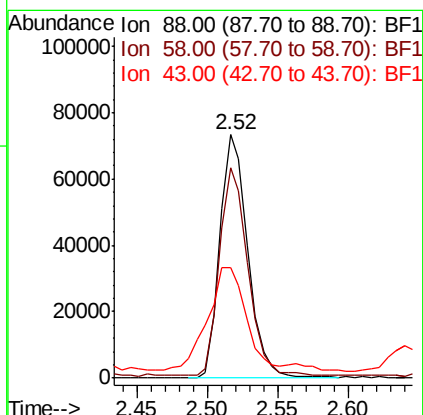
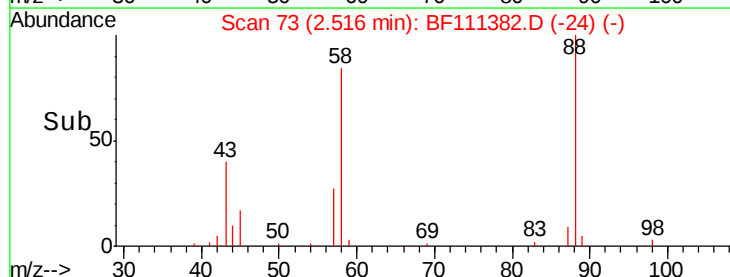


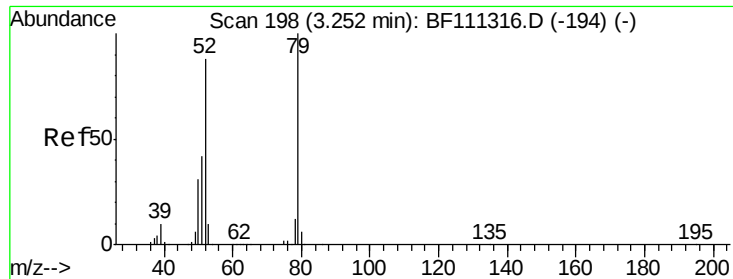
#2
 1,4-Dioxane
 Concen: 13.680 ng
 RT: 2.52 min Scan# 73
 Delta R.T. -0.01 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

Tgt Ion: 88 Resp: 101088
 Ion Ratio Lower Upper
 88 100
 58 87.0 68.9 103.3
 43 57.8 25.8 38.6#



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1

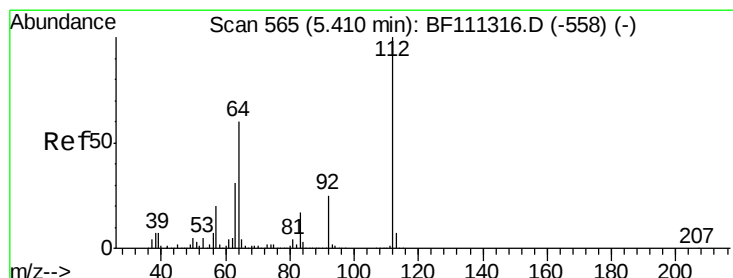
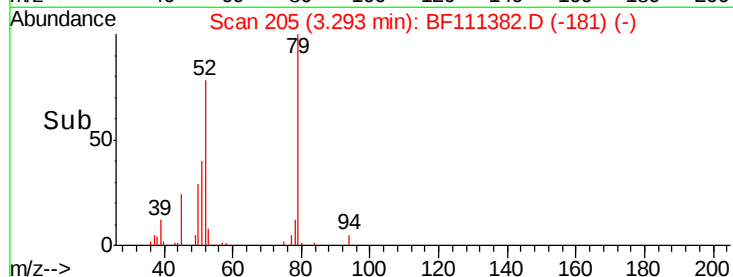
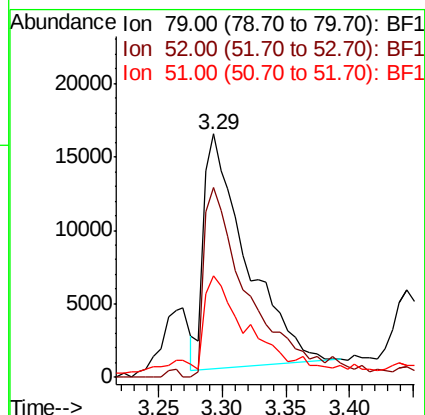
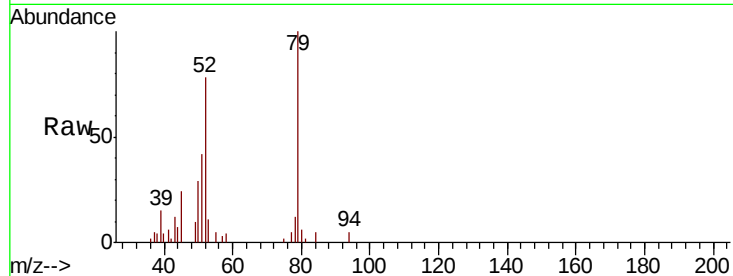




#3
Pyridine
Concen: 2.064 ng
RT: 3.29 min Scan# 205
Delta R.T. 0.04 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

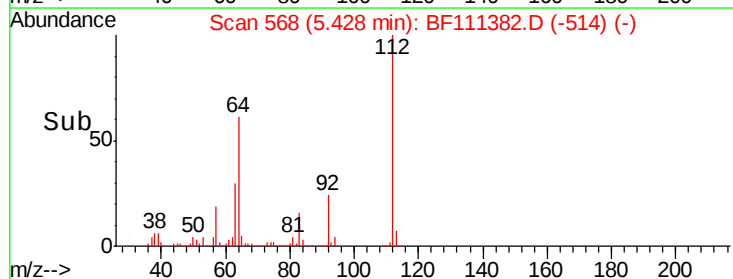
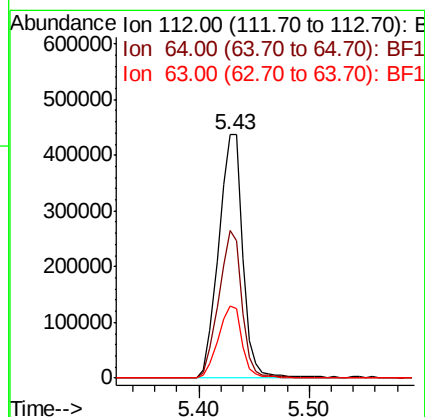
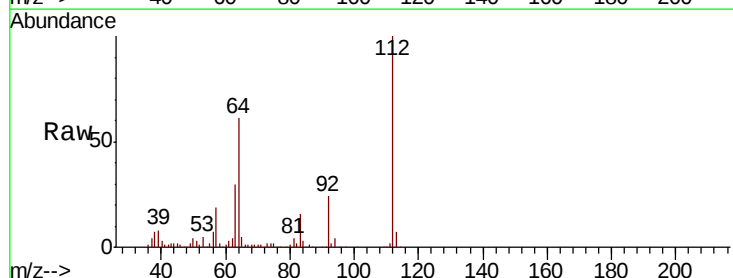
Instrument :
BNA_F
ClientSampleId :
P001-SW002-01

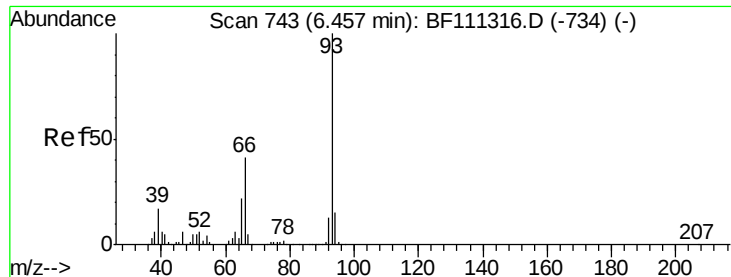
Tgt Ion: 79 Resp: 37475
Ion Ratio Lower Upper
79 100
52 77.8 68.3 102.5
51 41.8 32.6 49.0



#5
2-Fluorophenol
Concen: 45.045 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

Tgt Ion: 112 Resp: 666369
Ion Ratio Lower Upper
112 100
64 60.8 51.8 77.6
63 29.8 26.8 40.2





#6

Aniline

Concen: 5.727 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

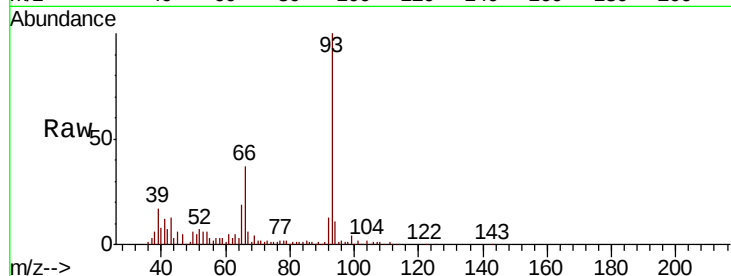
Tgt Ion: 93 Resp: 138190

Ion Ratio Lower Upper

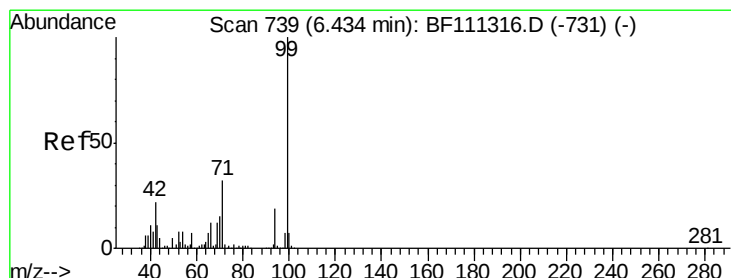
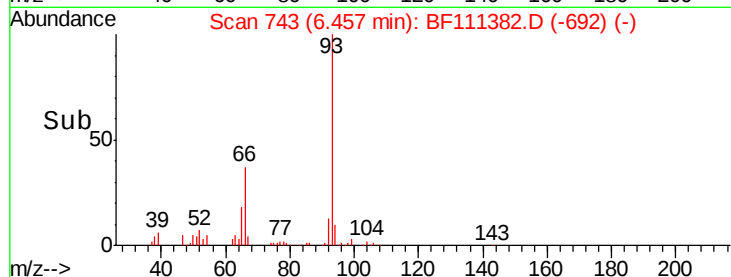
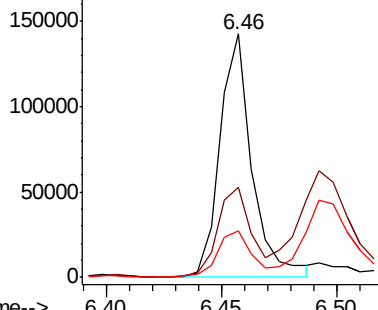
93 100

66 37.0 33.2 49.8

65 19.2 17.0 25.4



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 23.934 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.05 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

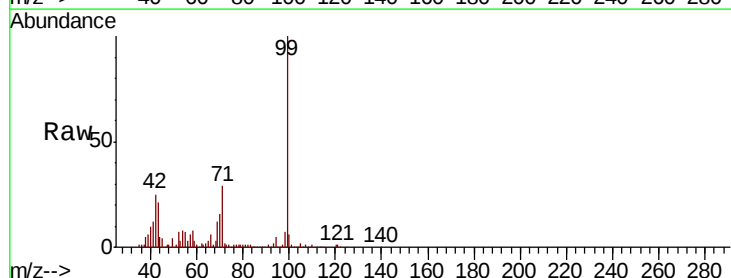
Tgt Ion: 99 Resp: 477364

Ion Ratio Lower Upper

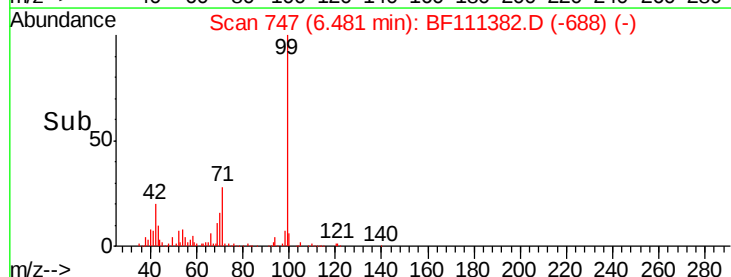
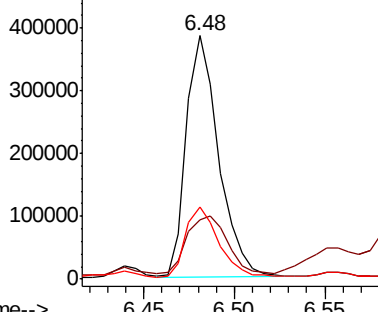
99 100

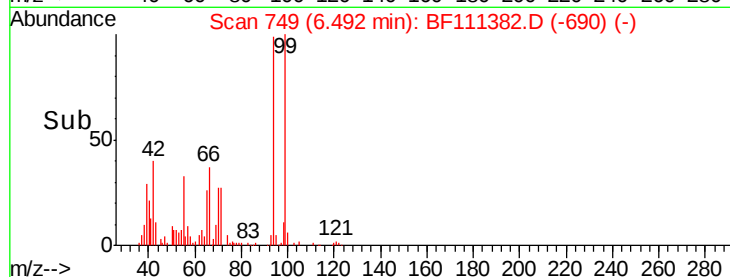
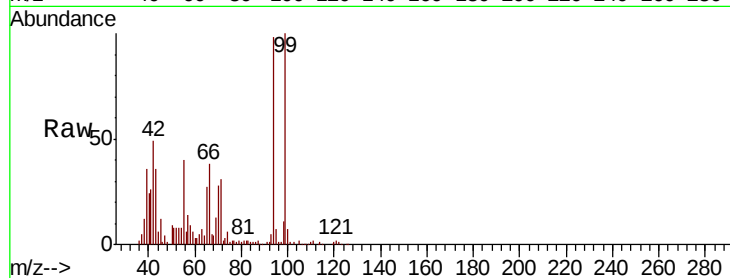
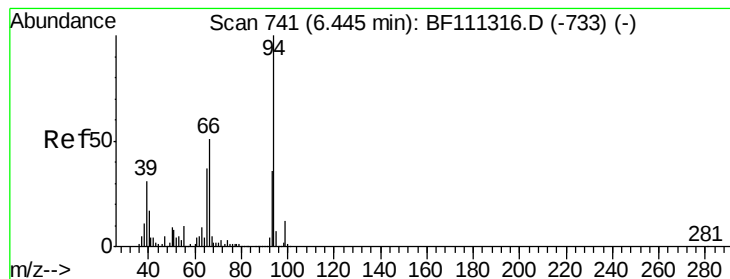
42 24.6 17.4 26.0

71 29.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 9.759 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.05 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

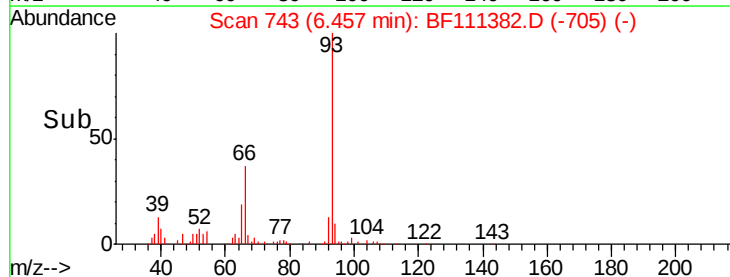
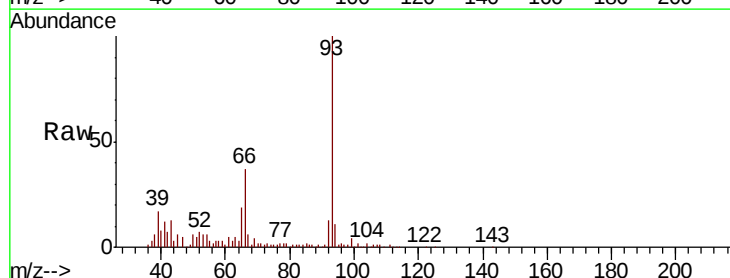
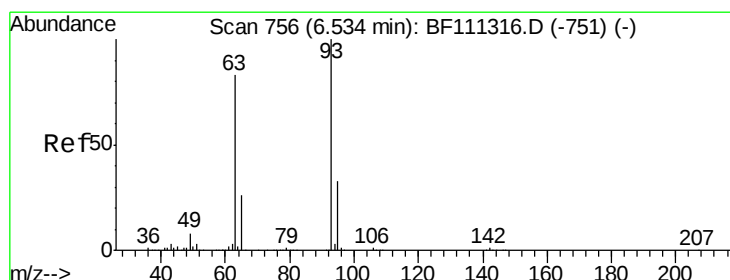
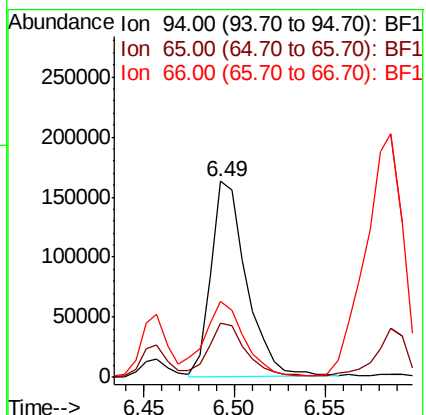
Tgt Ion: 94 Resp: 220486

Ion Ratio Lower Upper

94 100

65 27.5 11.7 51.7

66 38.5 21.0 61.0



#11

bis(2-Chloroethyl)ether

Concen: 7.774 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.08 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

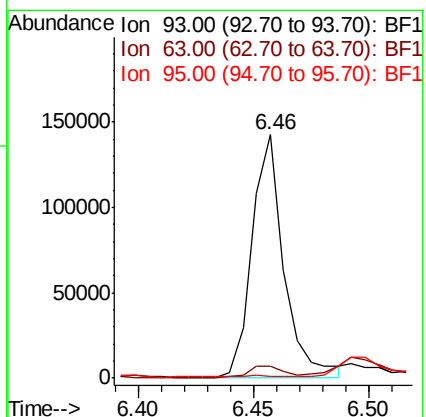
Tgt Ion: 93 Resp: 138190

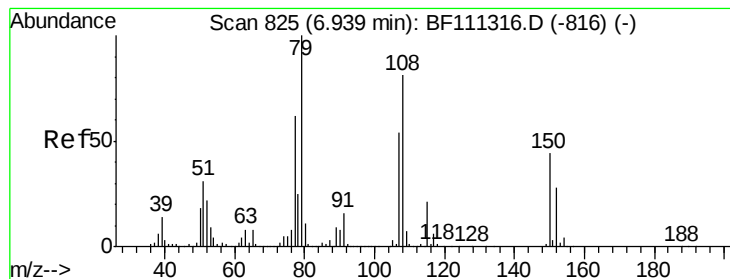
Ion Ratio Lower Upper

93 100

63 4.9 60.0 100.0#

95 0.9 13.4 53.4#





#15

Benzyl Alcohol

Concen: 3.215 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

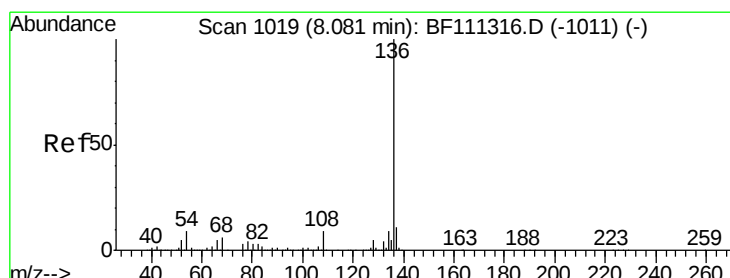
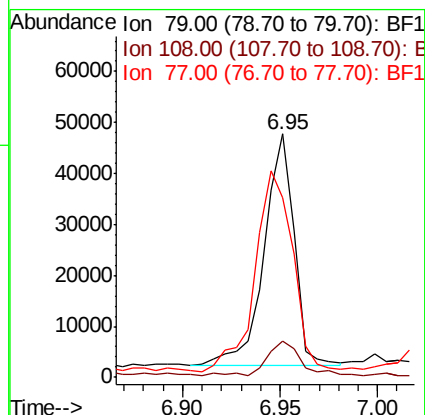
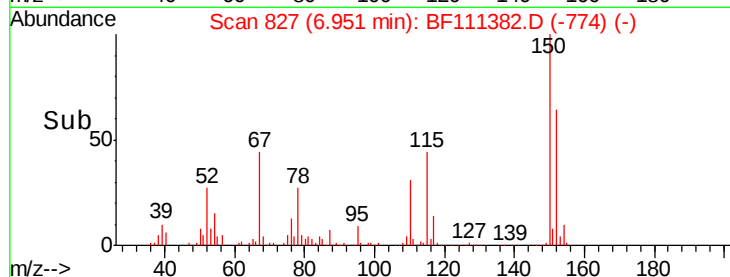
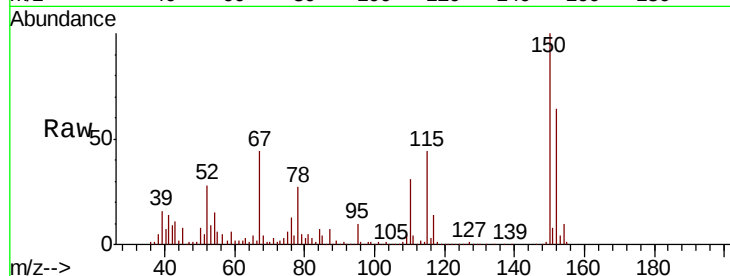
Tgt Ion: 79 Resp: 49101

Ion Ratio Lower Upper

79 100

108 15.1 69.4 104.2#

77 73.8 49.7 74.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Tgt Ion: 136 Resp: 1039219

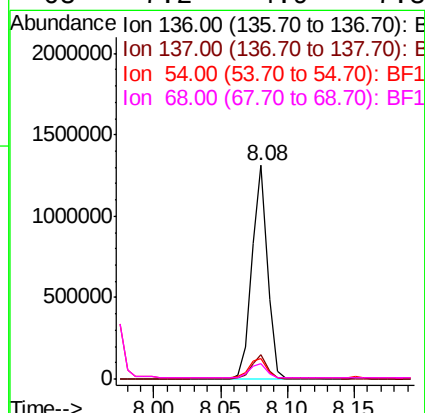
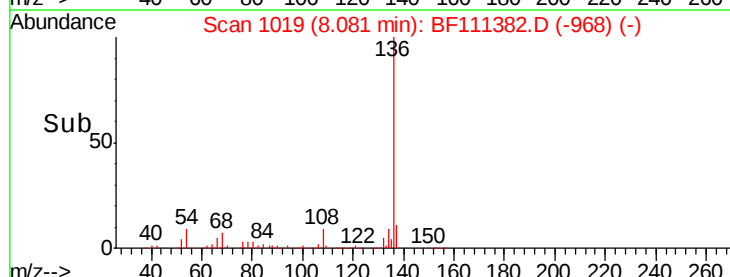
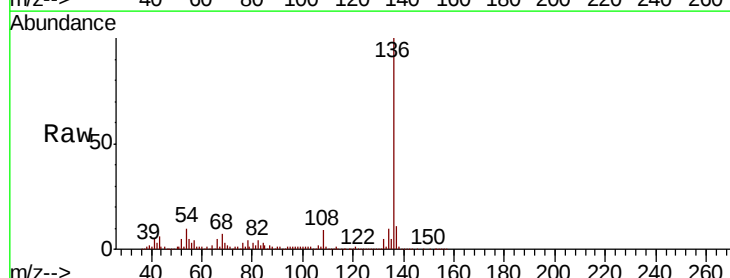
Ion Ratio Lower Upper

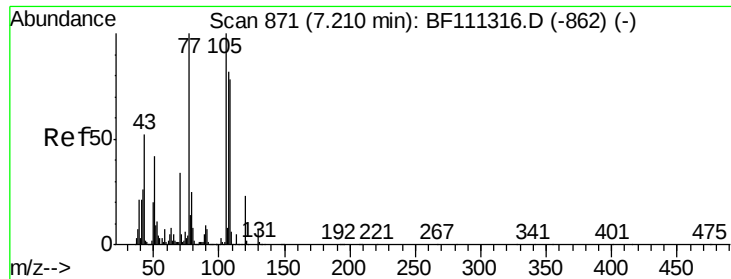
136 100

137 11.4 9.1 13.7

54 9.8 7.7 11.5

68 7.2 4.9 7.3





#22

Acetophenone

Concen: 11.852 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

Tgt Ion: 105 Resp: 286102

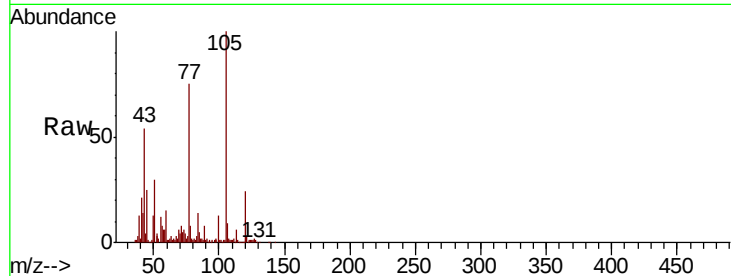
Ion Ratio Lower Upper

105 100

71 7.9 3.1 4.7#

51 30.2 36.6 54.8#

120 23.8 18.2 27.4

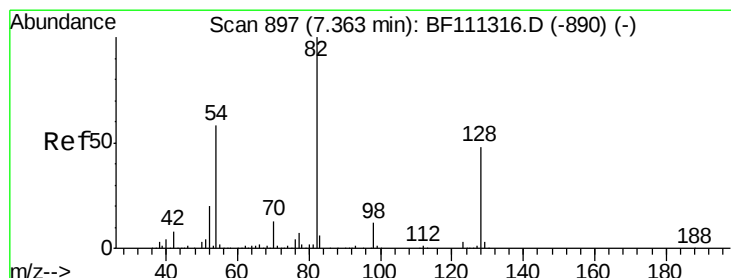
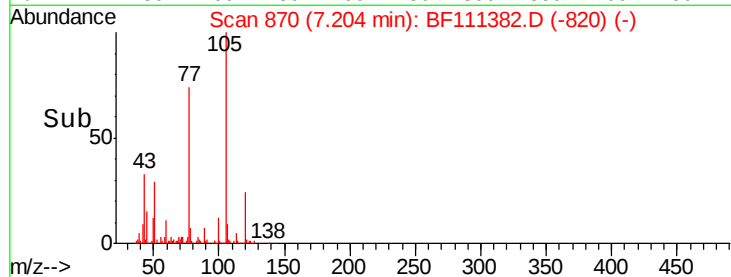
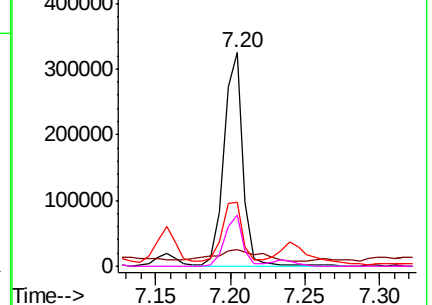


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 53.219 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

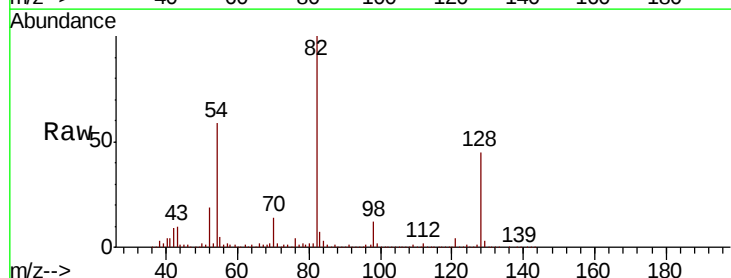
Tgt Ion: 82 Resp: 981254

Ion Ratio Lower Upper

82 100

128 45.4 37.4 56.2

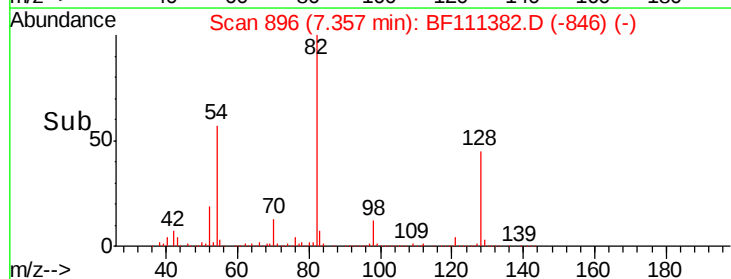
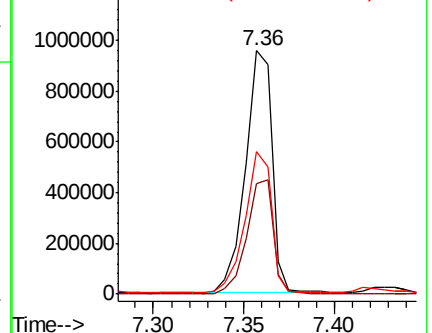
54 58.6 47.6 71.4

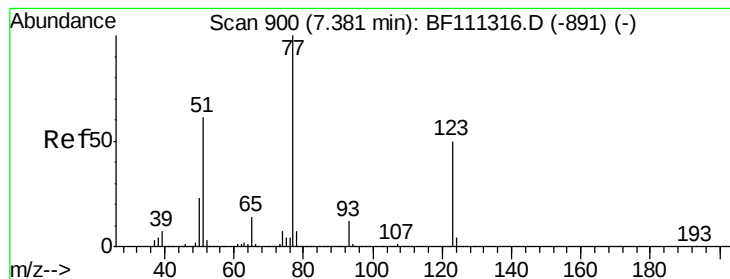


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 2.486 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.04 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

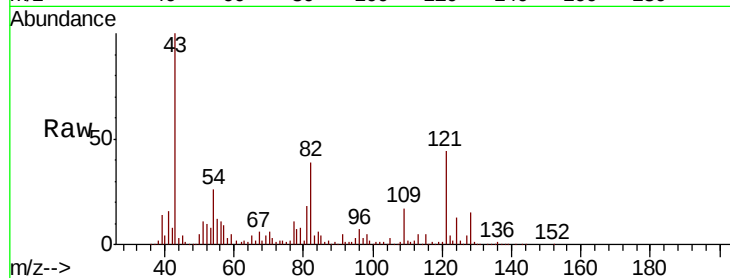
Tgt Ion: 77 Resp: 47204

Ion Ratio Lower Upper

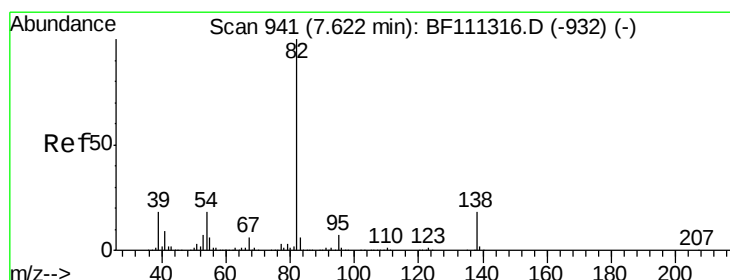
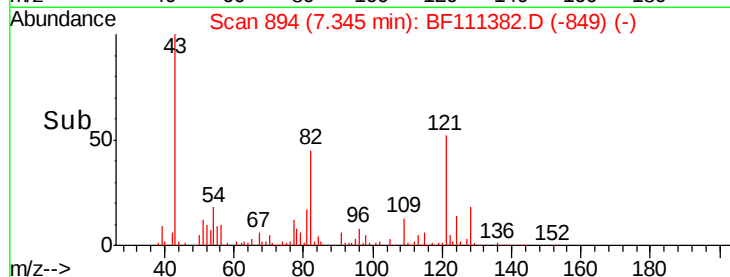
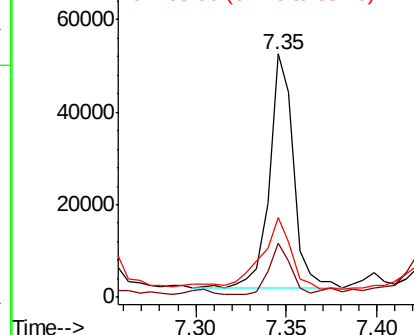
77 100

123 22.2 37.2 55.8#

65 33.0 11.5 17.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 2.149 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

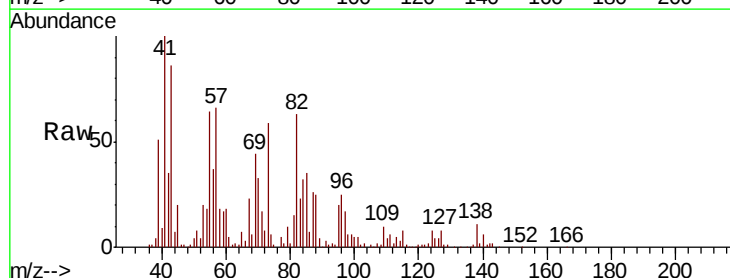
Tgt Ion: 82 Resp: 67296

Ion Ratio Lower Upper

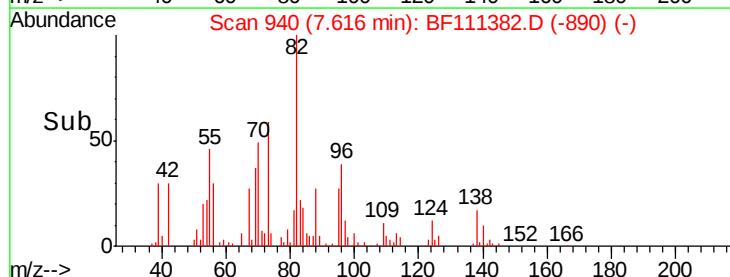
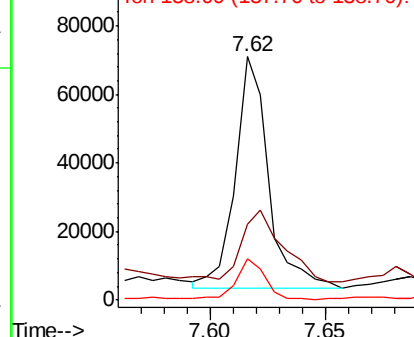
82 100

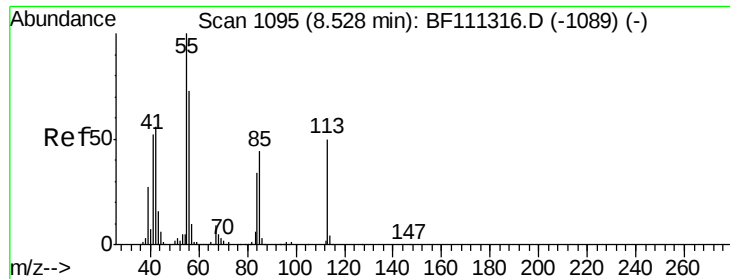
95 31.1 5.4 8.2#

138 16.8 15.1 22.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#35

Caprolactam

Concen: 227.427 ng

RT: 8.60 min Scan# 1108

Delta R.T. 0.08 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

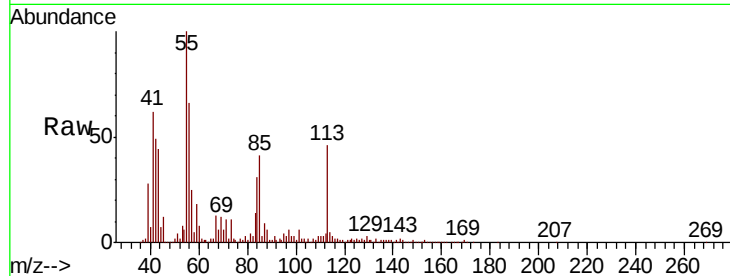
Tgt Ion:113 Resp: 1178004

Ion Ratio Lower Upper

113 100

55 218.9 184.1 224.1

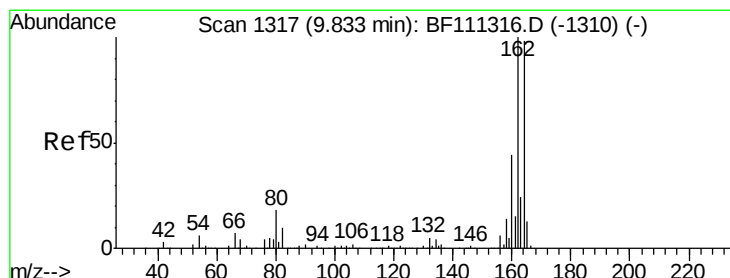
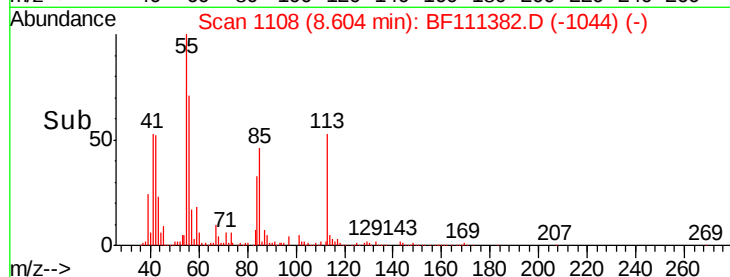
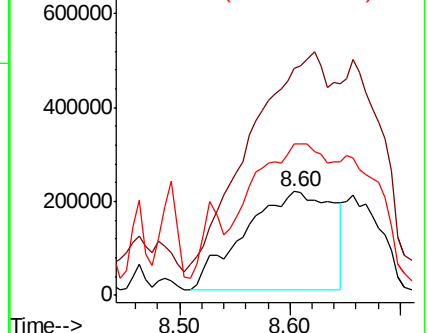
56 145.1 126.0 166.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

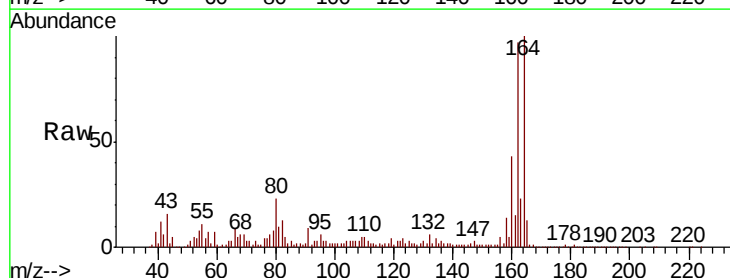
Tgt Ion:164 Resp: 420886

Ion Ratio Lower Upper

164 100

162 96.9 81.4 122.0

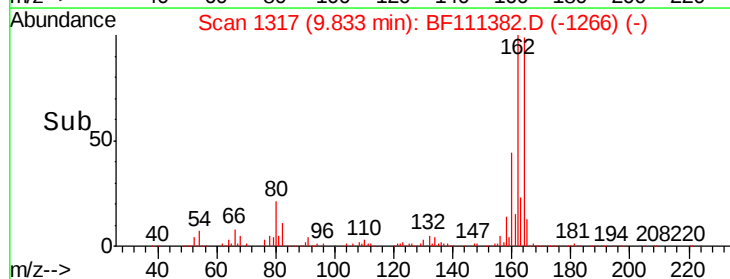
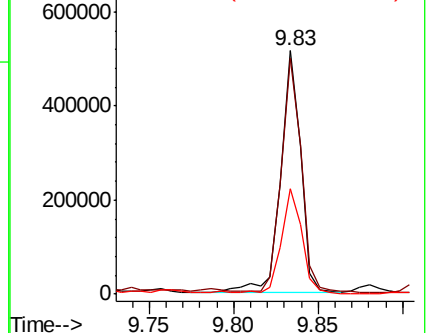
160 43.4 35.7 53.5

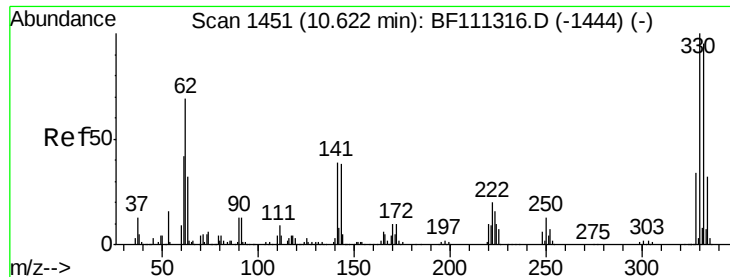


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

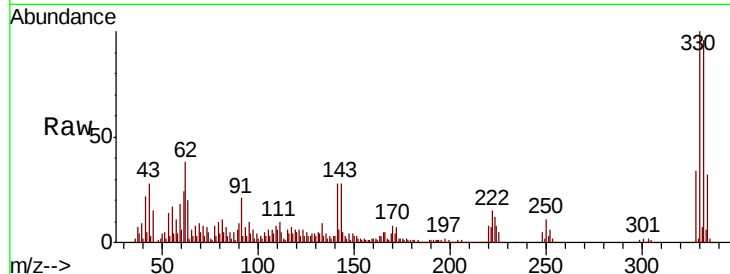




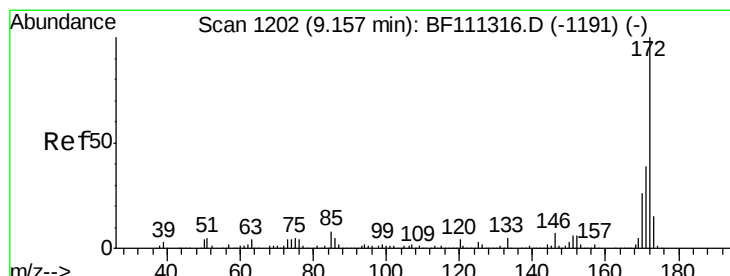
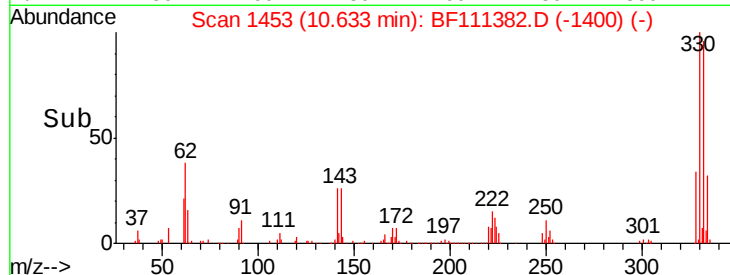
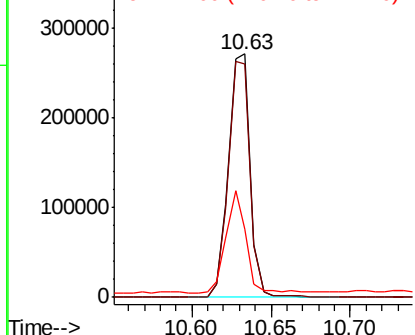
#42
 2,4,6-Tribromophenol
 Concen: 69.492 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.01 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW002-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.0	114.0
141	38.8	31.0	46.6

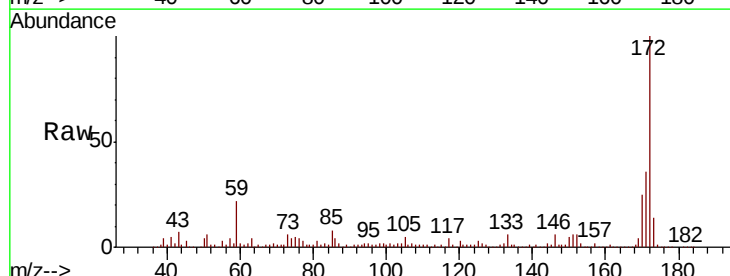


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

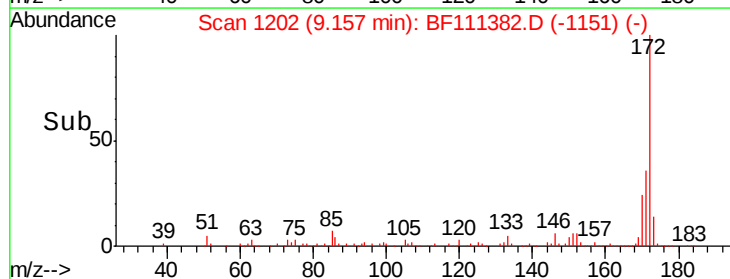
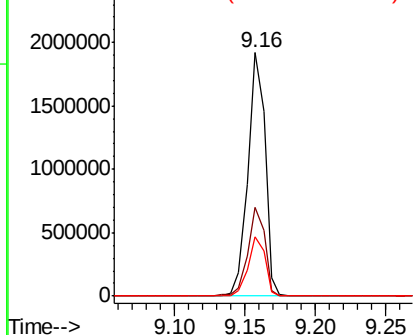


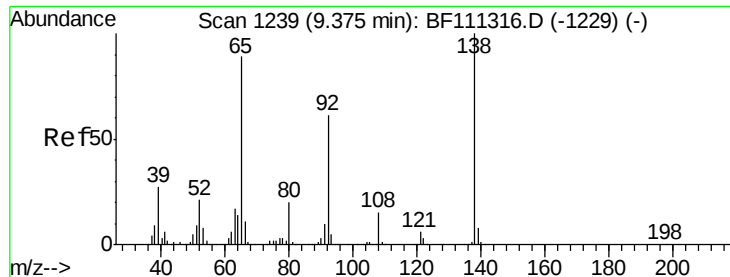
#45
 2-Fluorobiphenyl
 Concen: 62.668 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	33.0	49.4
170	24.5	22.3	33.5



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

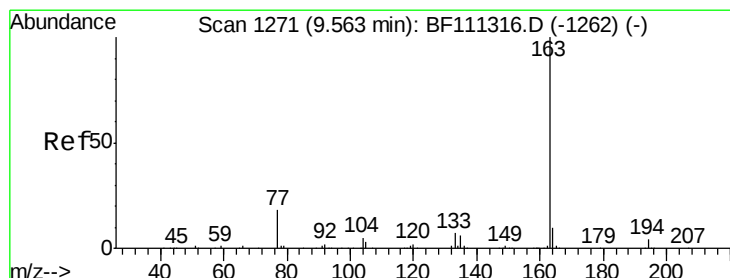
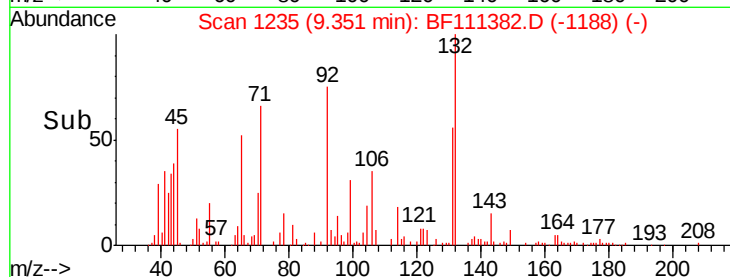
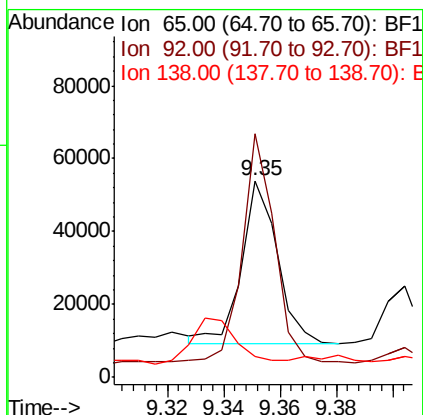
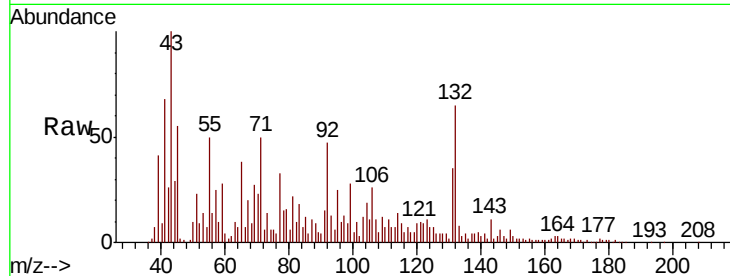




#48
2-Nitroaniline
Concen: 4.376 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.02 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

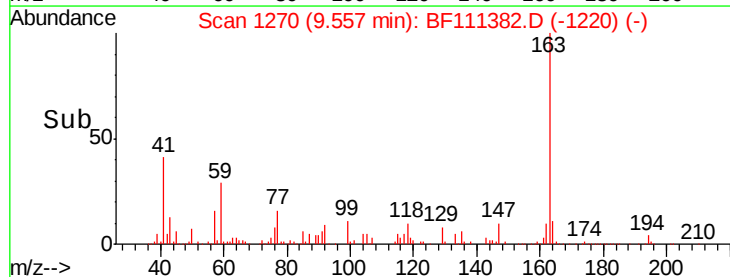
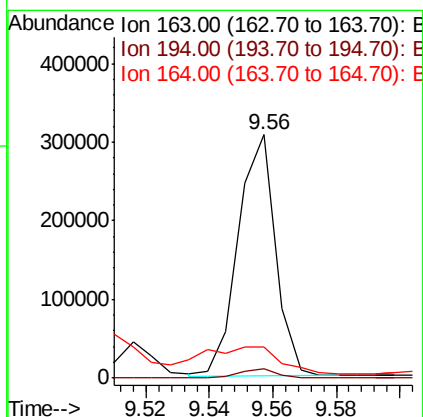
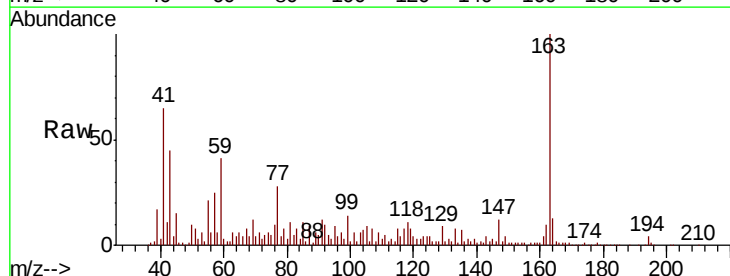
Instrument :
BNA_F
ClientSampleId :
P001-SW002-01

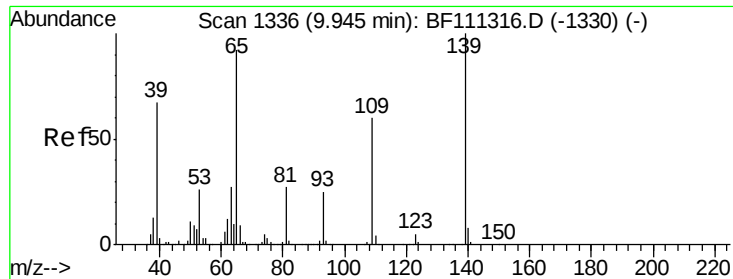
Tgt Ion: 65 Resp: 39108
Ion Ratio Lower Upper
65 100
92 123.7 53.5 80.3#
138 10.9 80.9 121.3#



#50
Dimethylphthalate
Concen: 8.193 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

Tgt Ion: 163 Resp: 247964
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 12.9 8.9 13.3

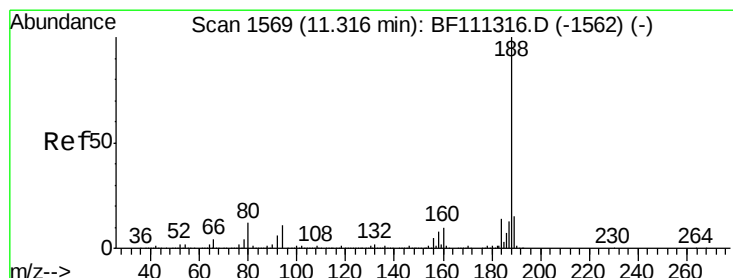
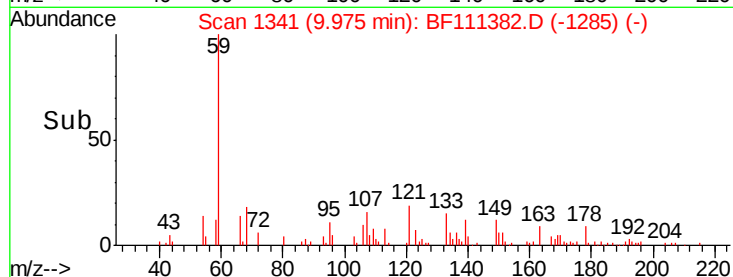
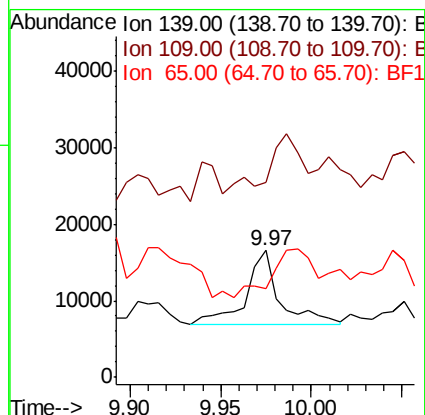
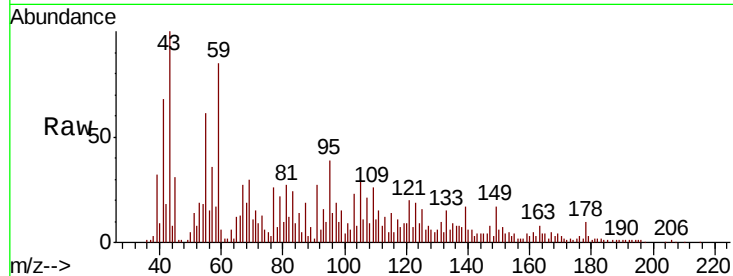




#56
4-Nitrophenol
Concen: 2.153 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

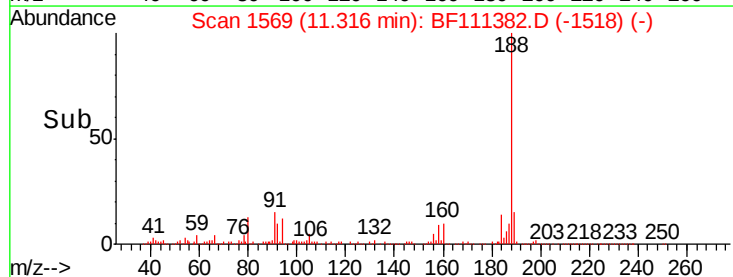
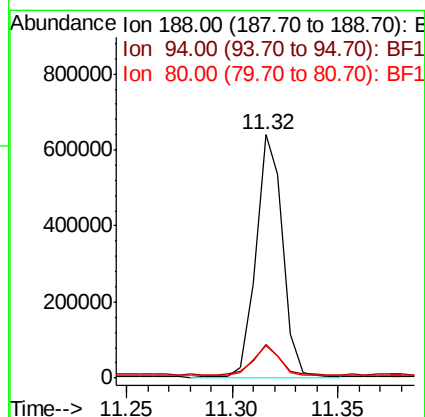
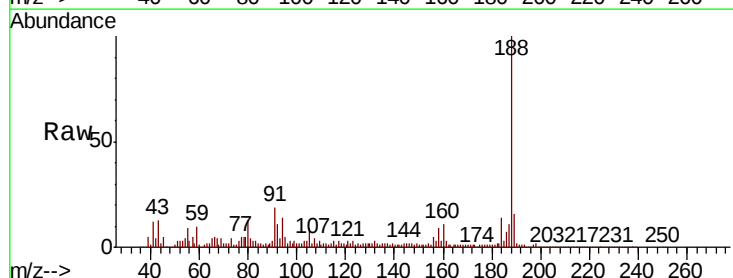
Instrument :
BNA_F
ClientSampleId :
P001-SW002-01

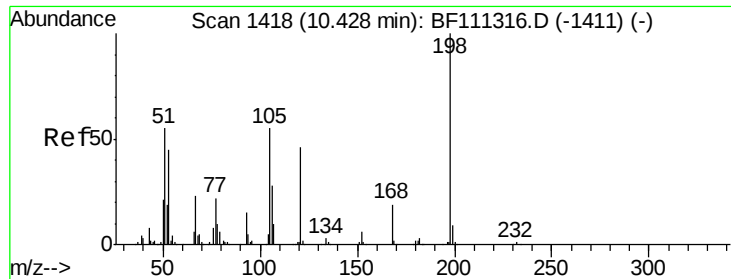
Tgt Ion:139 Resp: 12501
Ion Ratio Lower Upper
139 100
109 153.2 41.8 81.8#
65 69.9 79.6 119.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

Tgt Ion:188 Resp: 556614
Ion Ratio Lower Upper
188 100
94 13.8 9.6 14.4
80 13.5 9.8 14.6

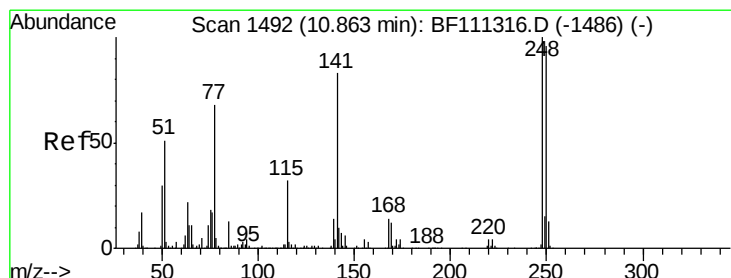
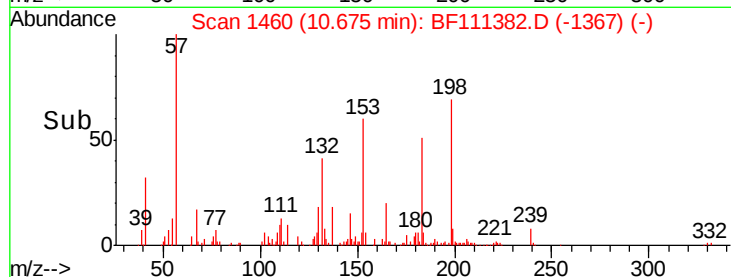
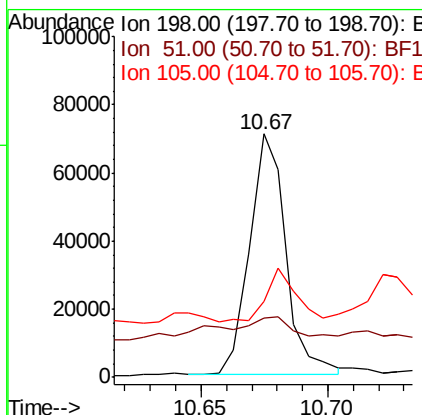
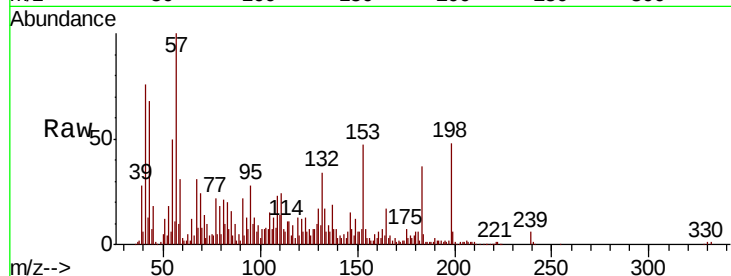




#65
 4,6-Dinitro-2-methylphenol
 Concen: 22.077 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.25 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

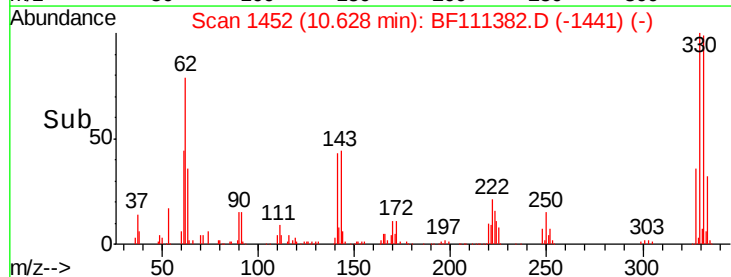
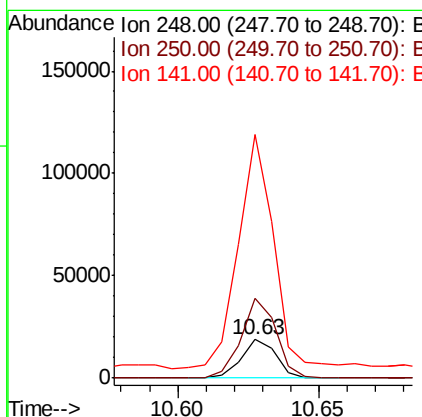
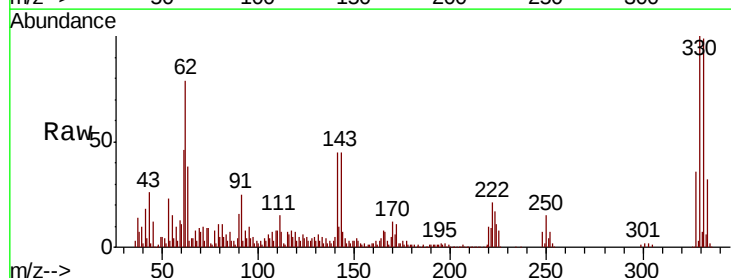
Instrument :
 BNA_F
 ClientSampleId :
 P001-SW002-01

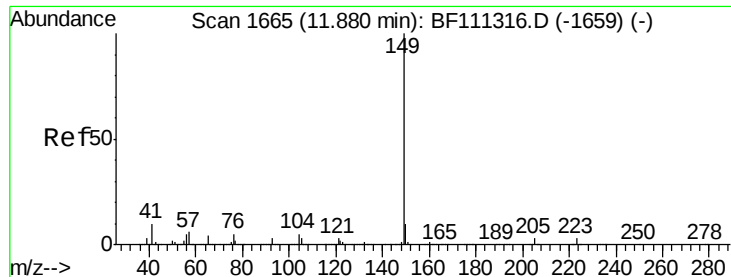
Tgt Ion:198 Resp: 70549
 Ion Ratio Lower Upper
 198 100
 51 24.5 48.0 88.0#
 105 31.4 34.0 74.0#



#67
 4-Bromophenyl-phenylether
 Concen: 2.592 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF111382.D
 Acq: 13 Dec 2018 20:58

Tgt Ion:248 Resp: 16064
 Ion Ratio Lower Upper
 248 100
 250 207.9 77.0 115.4#
 141 633.9 63.0 94.6#

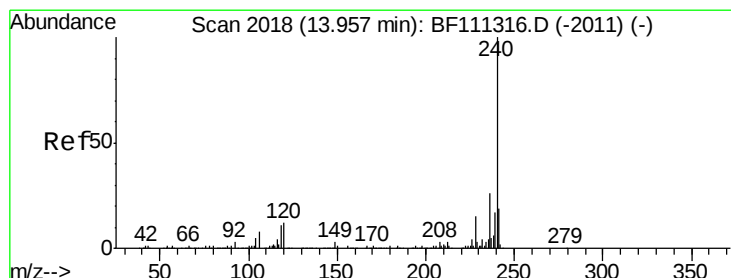
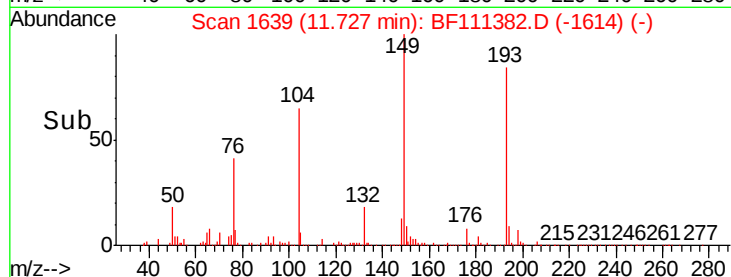
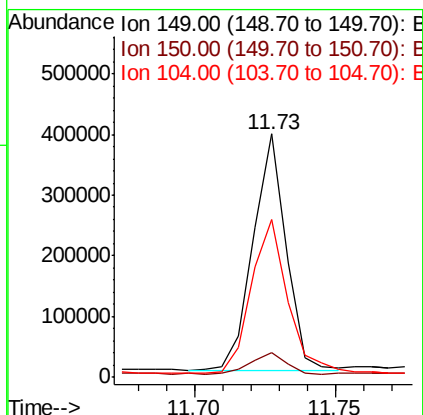
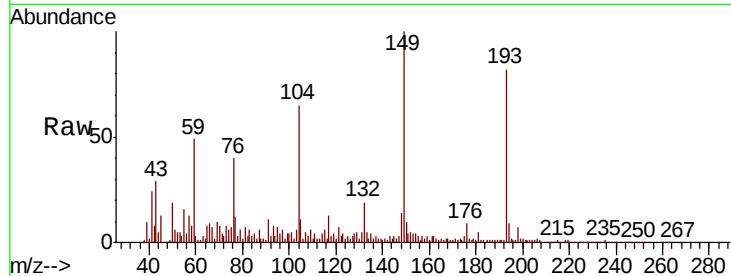




#74
Di-n-butylphthalate
Concen: 9.226 ng
RT: 11.73 min Scan# 1639
Delta R.T. -0.15 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

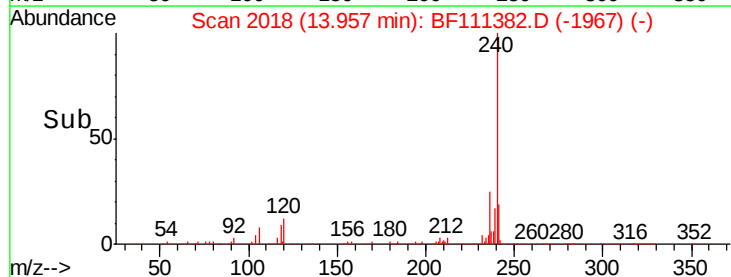
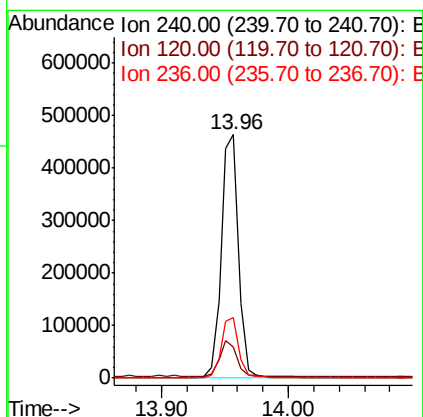
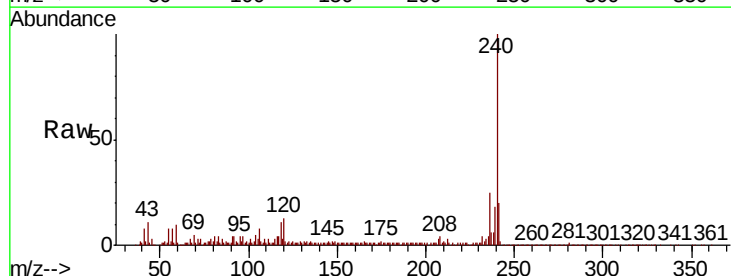
Instrument :
BNA_F
ClientSampleId :
P001-SW002-01

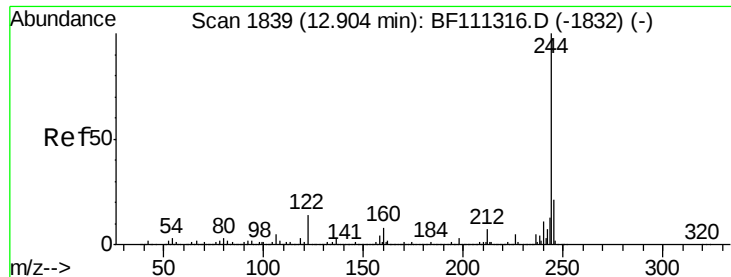
Tgt Ion:149 Resp: 318182
Ion Ratio Lower Upper
149 100
150 10.0 8.8 13.2
104 65.0 4.5 6.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF111382.D
Acq: 13 Dec 2018 20:58

Tgt Ion:240 Resp: 438213
Ion Ratio Lower Upper
240 100
120 12.8 12.2 18.2
236 25.0 20.2 30.2





#79

Terphenyl-d14

Concen: 48.647 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

Instrument :

BNA_F

ClientSampleId :

P001-SW002-01

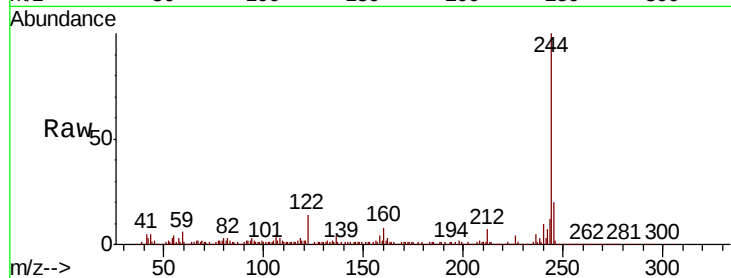
Tgt Ion:244 Resp: 968579

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 14.3 13.1 19.7

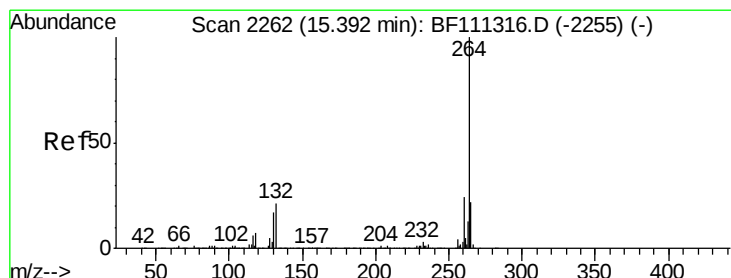
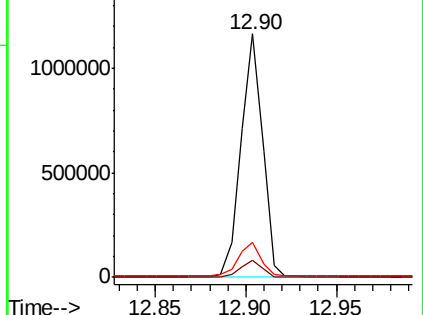
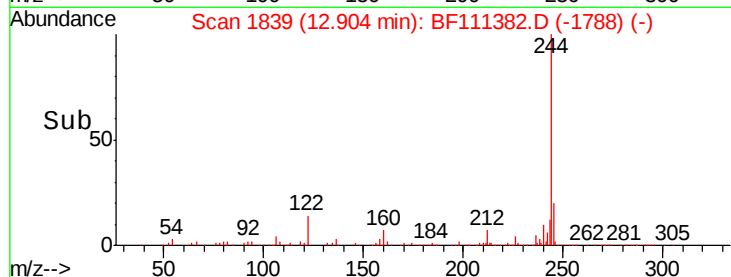


Abundance

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: 15.39 min Scan# 2262

Delta R.T. 0.00 min

Lab File: BF111382.D

Acq: 13 Dec 2018 20:58

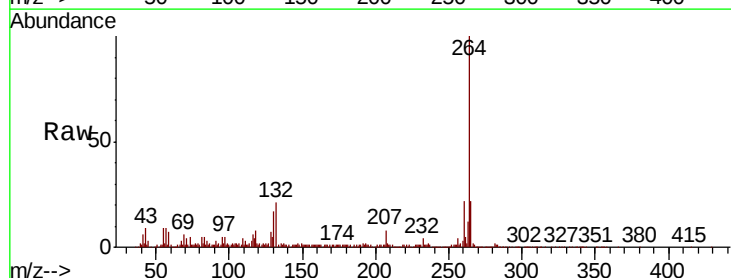
Tgt Ion:264 Resp: 320939

Ion Ratio Lower Upper

264 100

260 22.0 18.3 27.5

265 21.6 17.7 26.5



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

