

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111384.D
 Acq On : 13 Dec 2018 21:53
 Operator : JU/SJ
 Sample : J6305-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01

Quant Time: Dec 13 23:19:29 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	6.80	152	308379	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1271013	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	490669	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	688720	20.00	ng	0.00
76) Chrysene-d12	13.95	240	478114	20.00	ng	0.00
87) Perylene-d12	15.39	264	382750	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	901476	49.43	ng	0.02
7) Phenol-d6	6.47	99	658218	26.77	ng	0.04
23) Nitrobenzene-d5	7.36	82	1383390	61.35	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	339540	78.50	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2003397	65.55	ng	0.00
79) Terphenyl-d14	12.90	244	1091702	50.26	ng	0.00

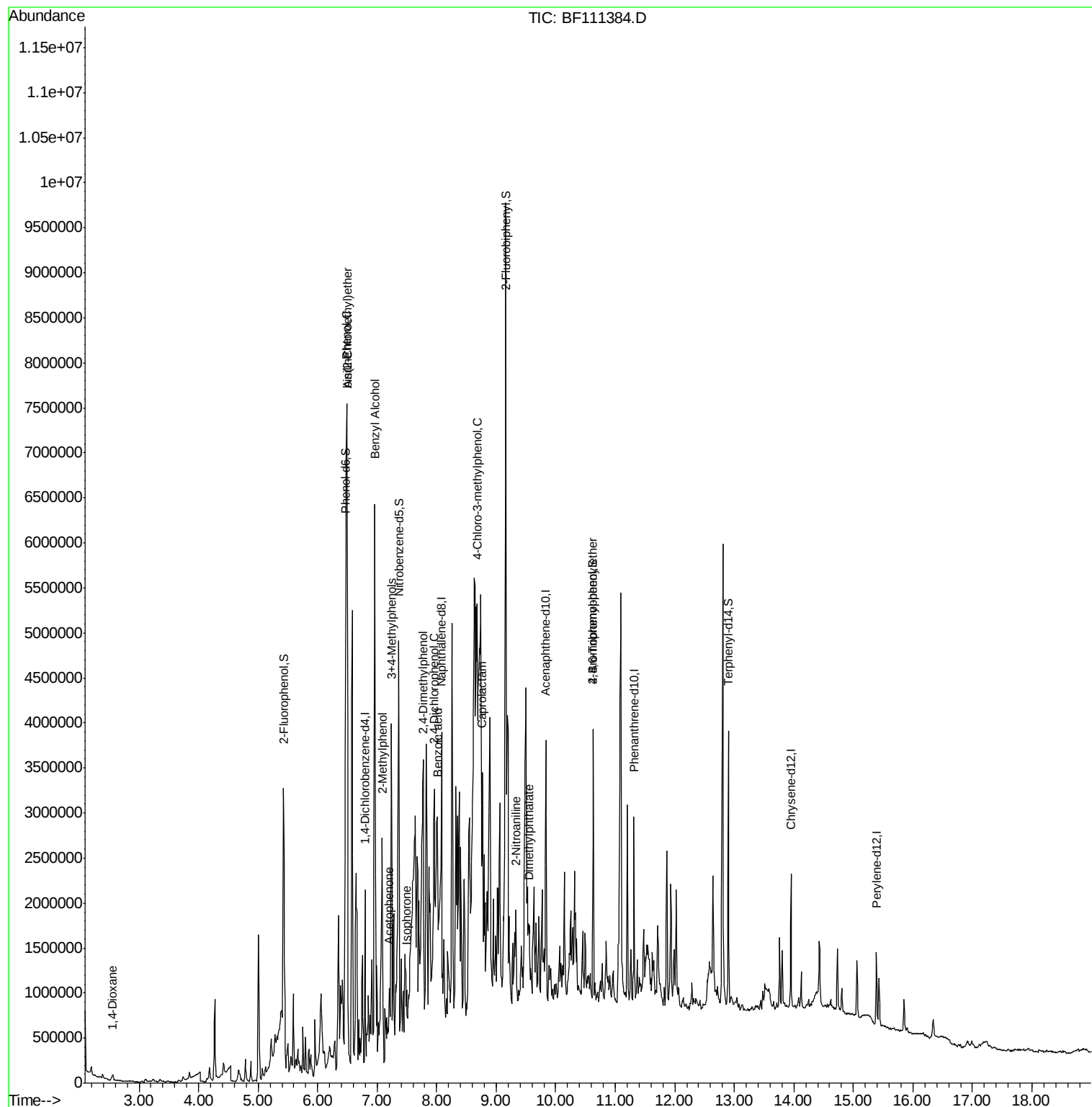
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.56	88	29184	3.204	ng	# 79
6) Aniline	6.50	93	136463	4.588	ng	# 1
9) Benzaldehyde	6.34	77	6037	Below Cal		84
10) Phenol	6.49	94	5403288	193.998	ng	97
11) bis(2-Chloroethyl)ether	6.50	93	136463	6.228	ng	# 1
15) Benzyl Alcohol	6.96	79	72277	3.839	ng	# 53
17) 2-Methylphenol	7.08	107	569318	31.433	ng	98
20) 3+4-Methylphenols	7.24	107	810082	37.505	ng	# 59
22) Acetophenone	7.20	105	186745	6.325	ng	# 87
25) Isophorone	7.50	82	81503	2.128	ng	# 77
27) 2,4-Dimethylphenol	7.76	122	132741	7.659	ng	# 92
29) 2,4-Dichlorophenol	7.96	162	106753	5.905	ng	98
32) Benzoic acid	8.02	122	1667209	115.719	ng	99
35) Caprolactam	8.77	113	222093	35.058	ng	94
36) 4-Chloro-3-methylphenol	8.69	107	86735	4.502	ng	# 24
48) 2-Nitroaniline	9.33	65	23908	2.295	ng	# 48
50) Dimethylphthalate	9.56	163	153824	4.360	ng	# 88
67) 4-Bromophenyl-phenylether	10.63	248	21993	2.868	ng	# 1

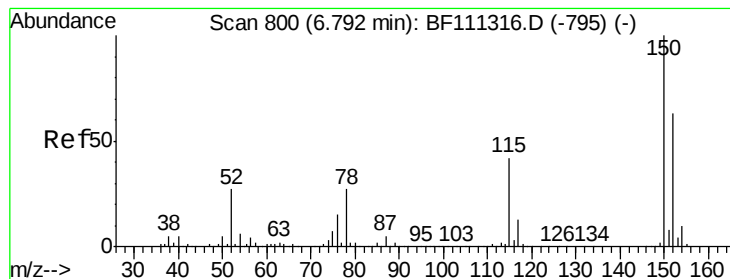
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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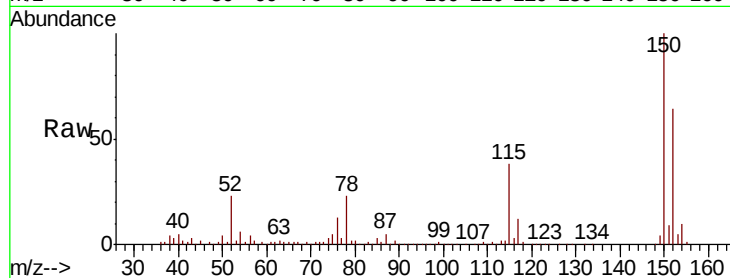


#1

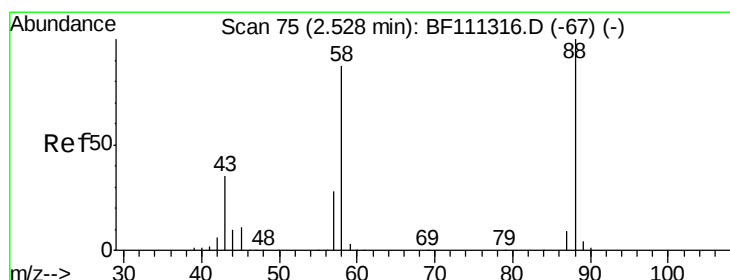
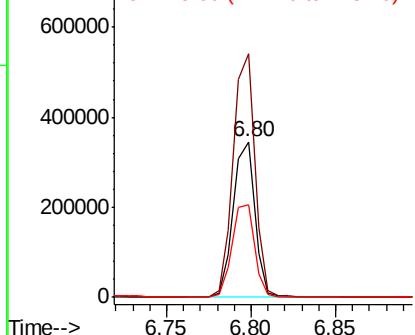
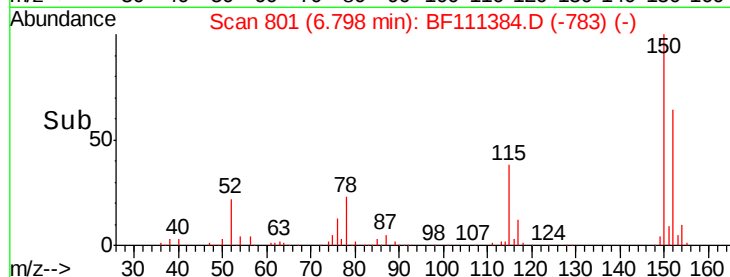
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF111384.D
 Acq: 13 Dec 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01

Tgt Ion:152 Resp: 308379
 Ion Ratio Lower Upper
 152 100
 150 156.5 126.6 189.8
 115 59.8 50.7 76.1



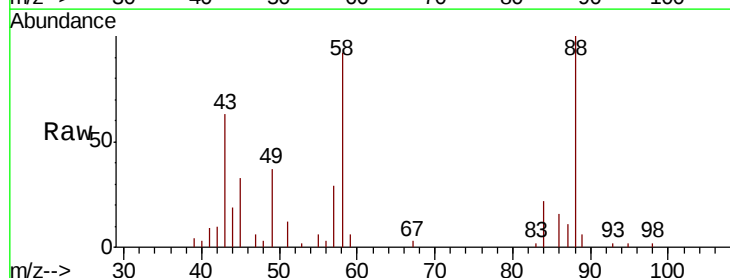
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



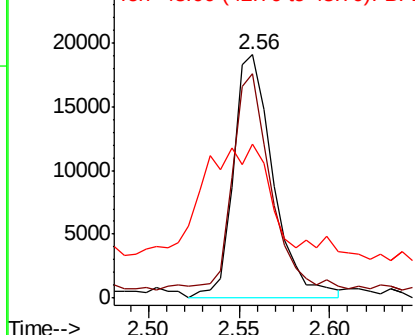
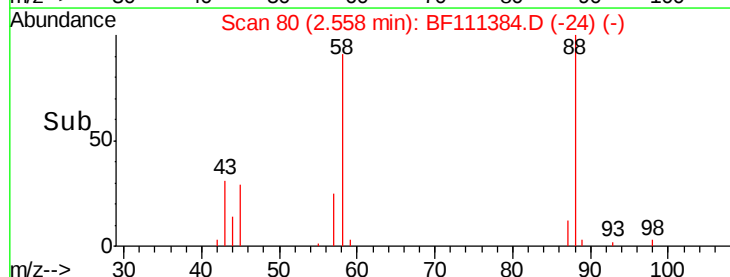
#2

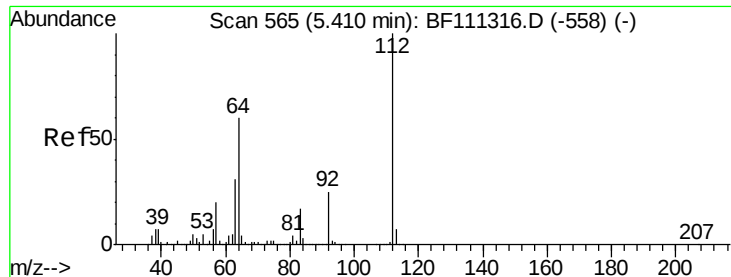
1,4-Dioxane
 Concen: 3.204 ng
 RT: 2.56 min Scan# 80
 Delta R.T. 0.03 min
 Lab File: BF111384.D
 Acq: 13 Dec 2018 21:53

Tgt Ion: 88 Resp: 29184
 Ion Ratio Lower Upper
 88 100
 58 85.1 68.9 103.3
 43 73.0 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





#5

2-Fluorophenol

Concen: 49.433 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

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ClientSampleId :

P001-SW004-01

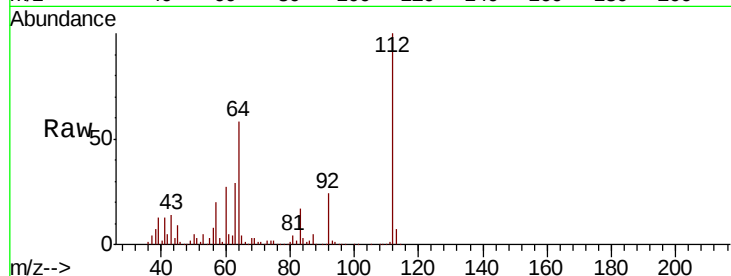
Tgt Ion: 112 Resp: 901476

Ion Ratio Lower Upper

112 100

64 58.0 51.8 77.6

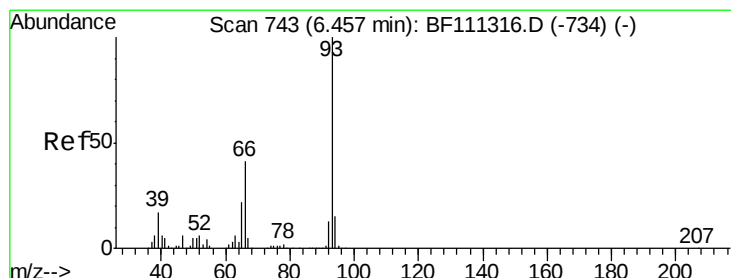
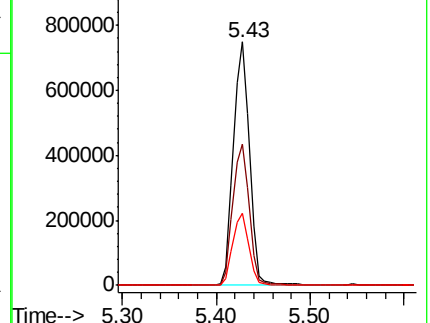
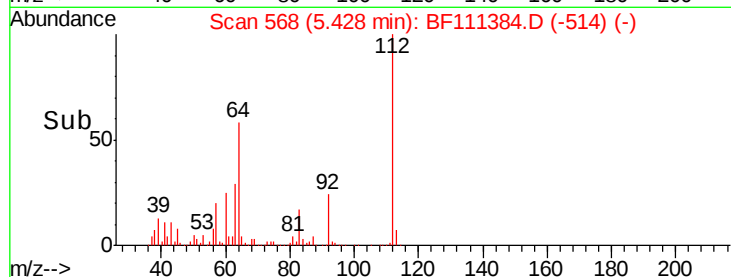
63 29.4 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 4.588 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.04 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

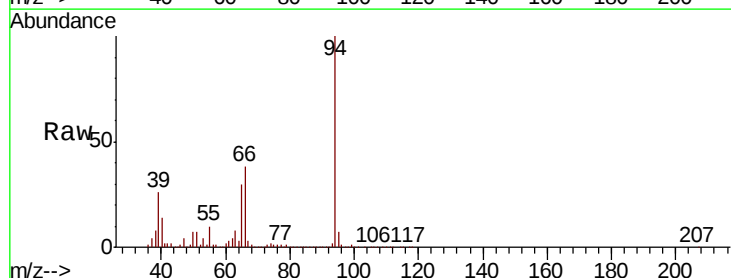
Tgt Ion: 93 Resp: 136463

Ion Ratio Lower Upper

93 100

66 1621.9 33.2 49.8#

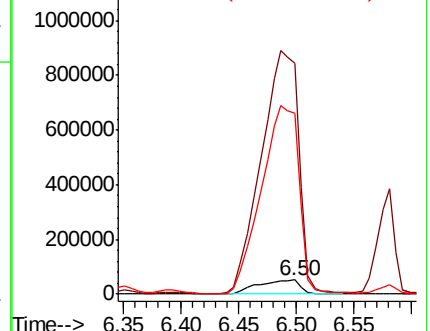
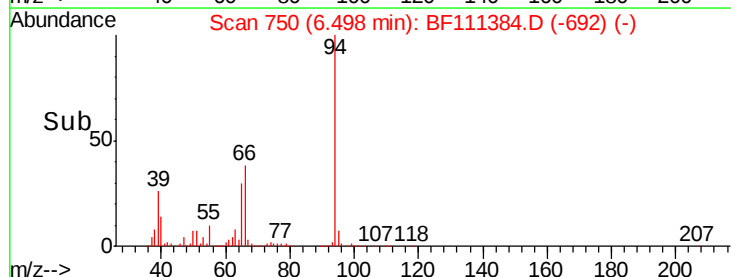
65 1273.9 17.0 25.4#

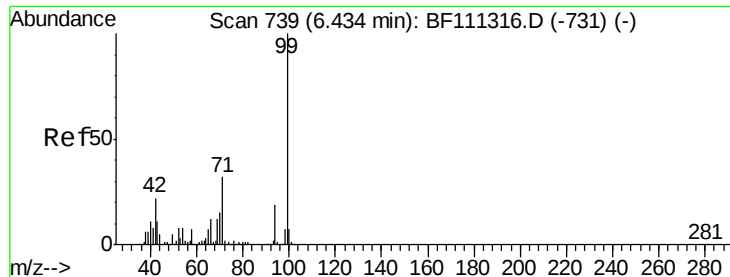


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 26.771 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.04 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

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P001-SW004-01

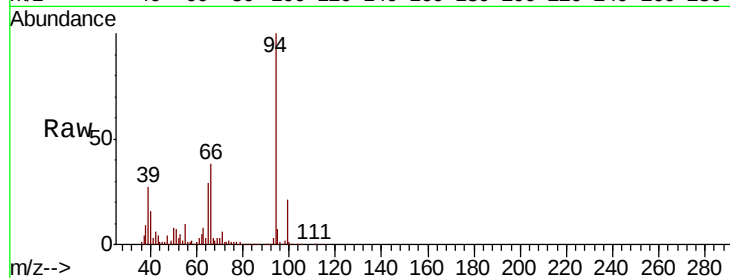
Tgt Ion: 99 Resp: 658218

Ion Ratio Lower Upper

99 100

42 26.8 17.4 26.0#

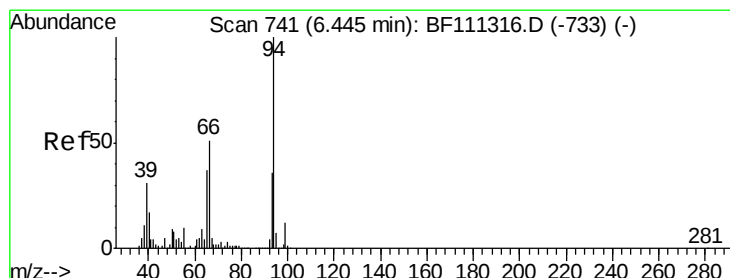
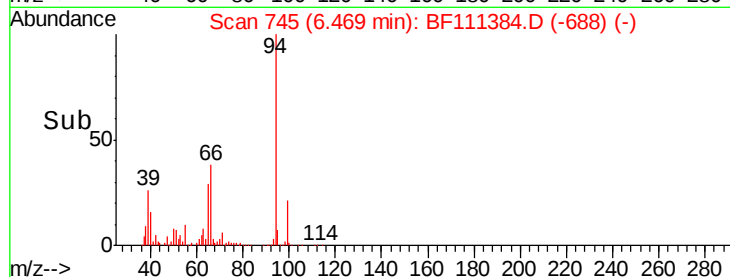
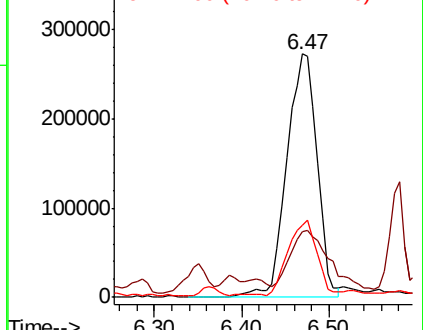
71 29.9 26.1 39.1



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: 193.998 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.04 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

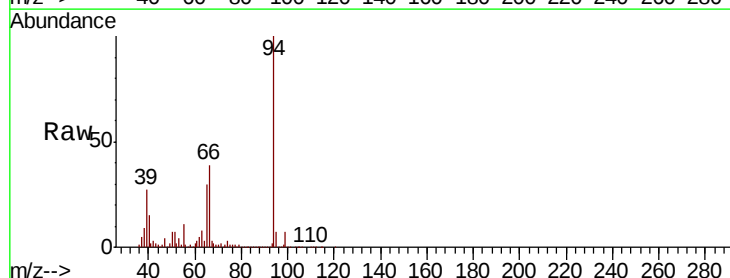
Tgt Ion: 94 Resp: 5403288

Ion Ratio Lower Upper

94 100

65 30.2 11.7 51.7

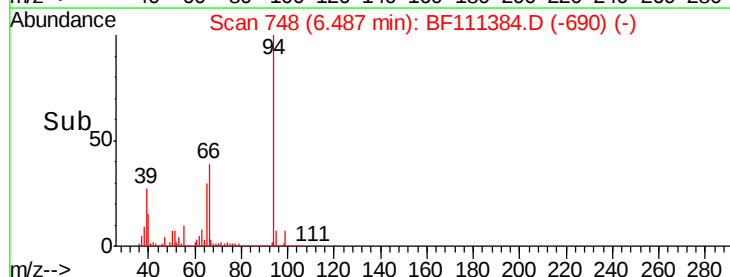
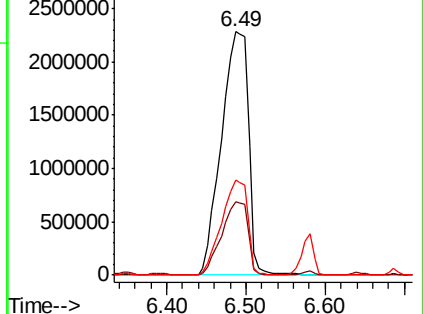
66 39.0 21.0 61.0

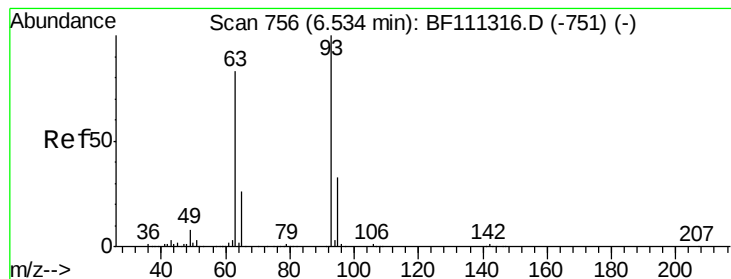


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 6.228 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.04 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

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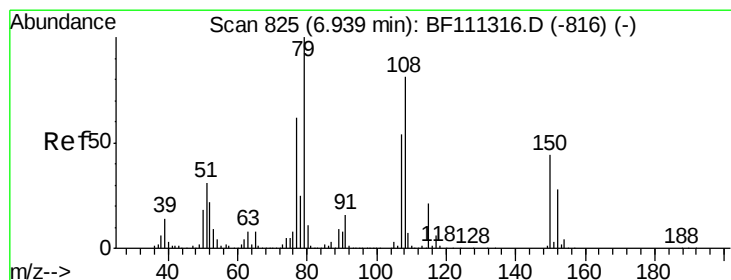
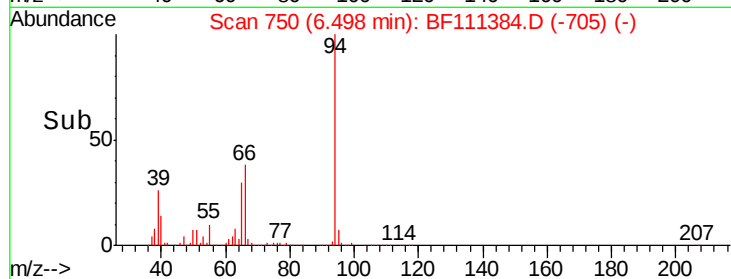
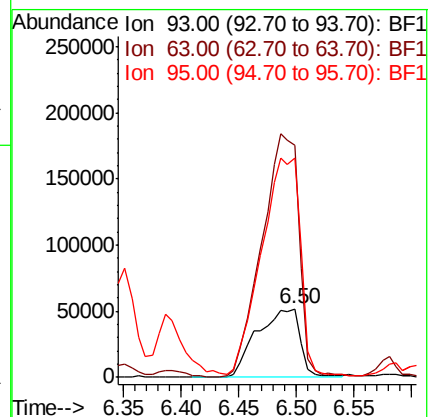
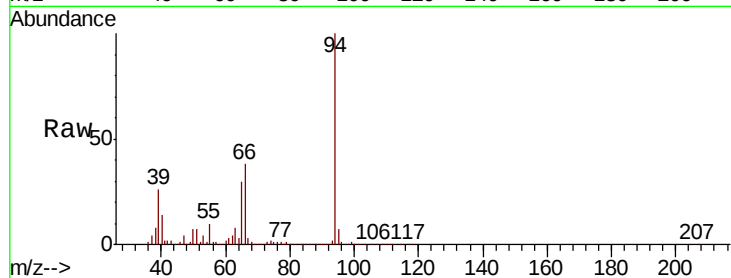
Tgt Ion: 93 Resp: 136463

Ion Ratio Lower Upper

93 100

63 336.6 60.0 100.0#

95 318.5 13.4 53.4#



#15

Benzyl Alcohol

Concen: 3.839 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.02 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

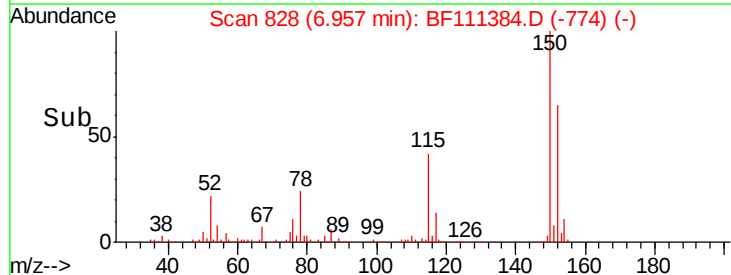
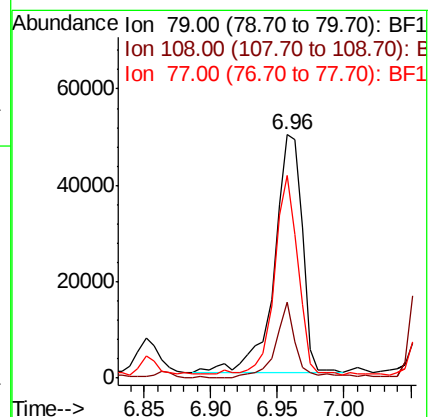
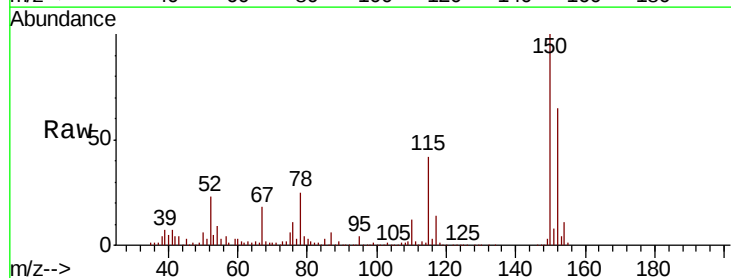
Tgt Ion: 79 Resp: 72277

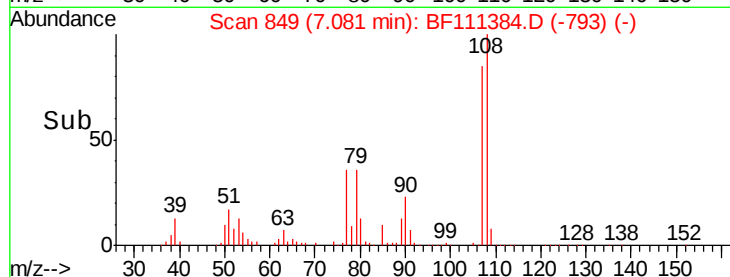
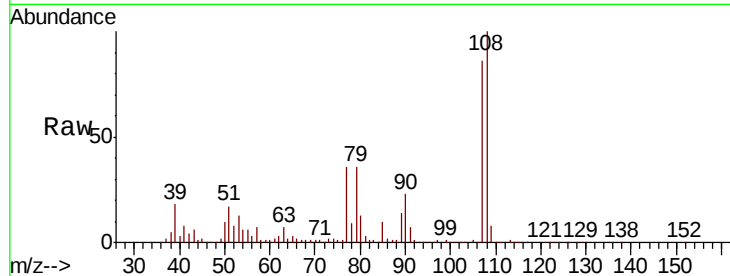
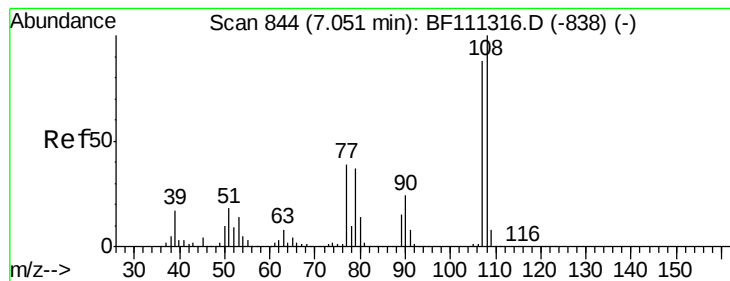
Ion Ratio Lower Upper

79 100

108 31.0 69.4 104.2#

77 83.3 49.7 74.5#





#17

2-Methylphenol

Concen: 31.433 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.03 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01

Tgt Ion:107 Resp: 569318

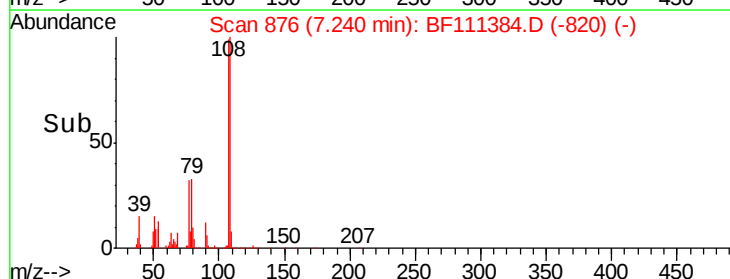
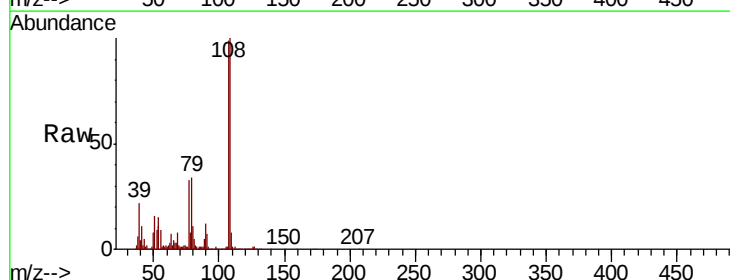
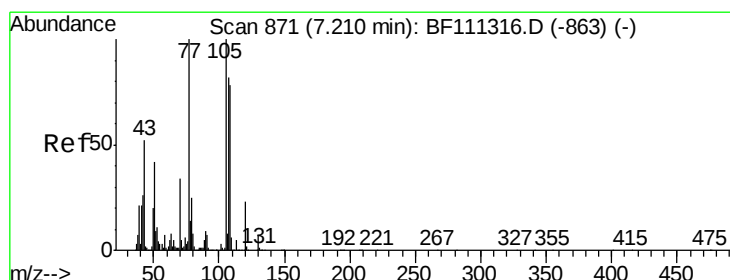
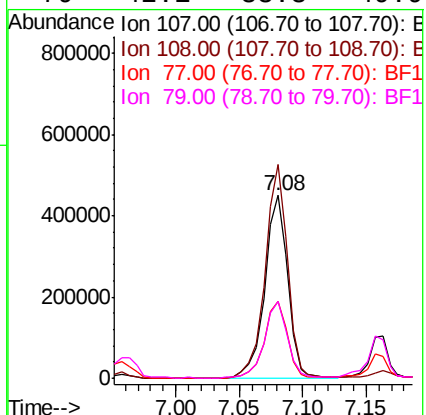
Ion Ratio Lower Upper

107 100

108 116.9 91.0 136.4

77 42.3 33.5 50.3

79 42.1 33.3 49.9



#20

3+4-Methylphenols

Concen: 37.505 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.03 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Tgt Ion:107 Resp: 810082

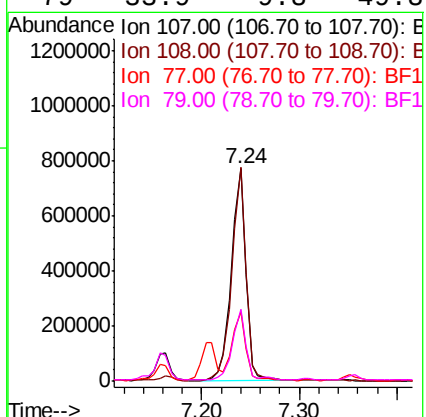
Ion Ratio Lower Upper

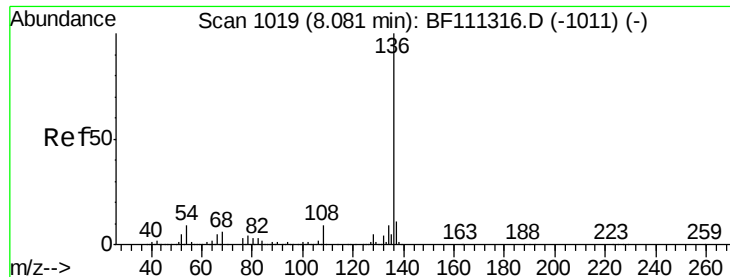
107 100

108 100.8 72.1 112.1

77 32.9 94.1 134.1#

79 33.9 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01

Tgt Ion:136 Resp: 1271013

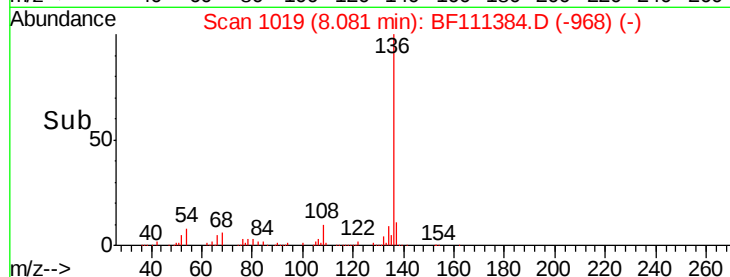
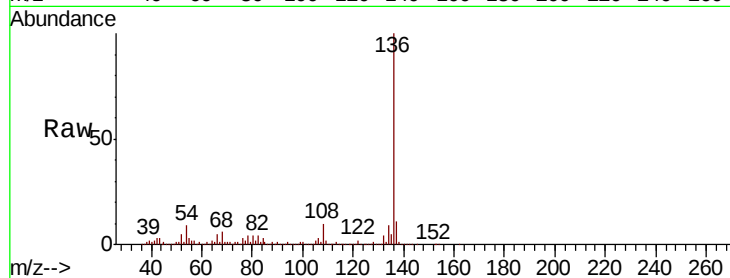
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 9.5 7.7 11.5

68 6.0 4.9 7.3

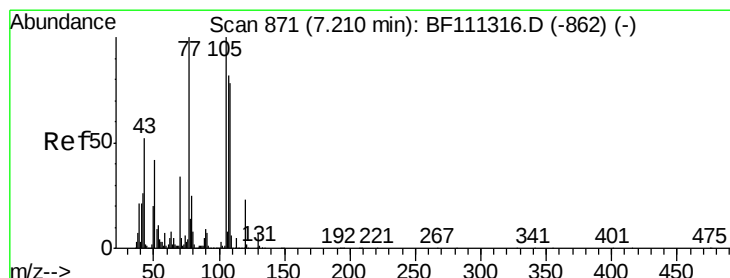
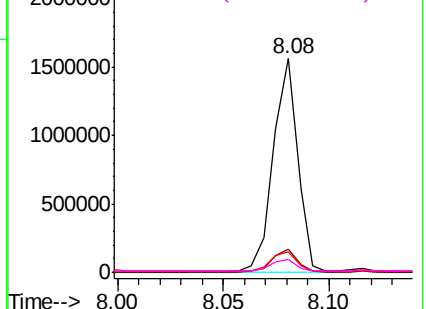


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 6.325 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Tgt Ion:105 Resp: 186745

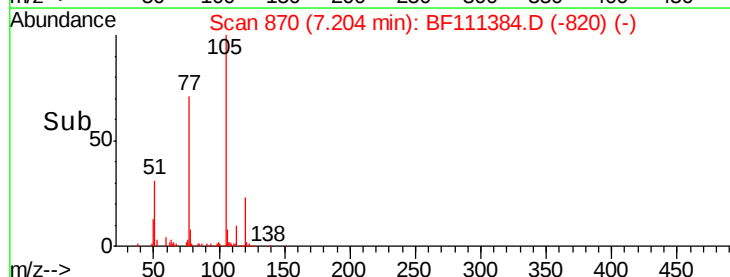
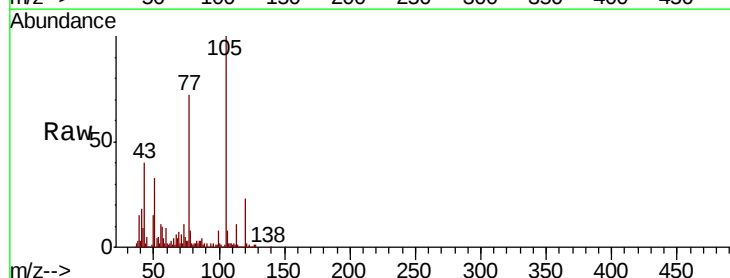
Ion Ratio Lower Upper

105 100

71 5.8 3.1 4.7#

51 32.8 36.6 54.8#

120 22.8 18.2 27.4

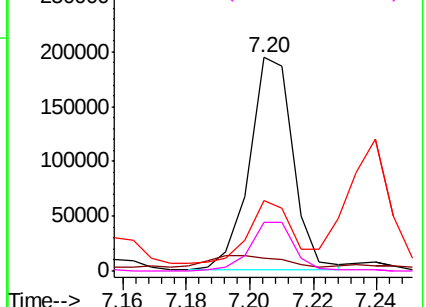


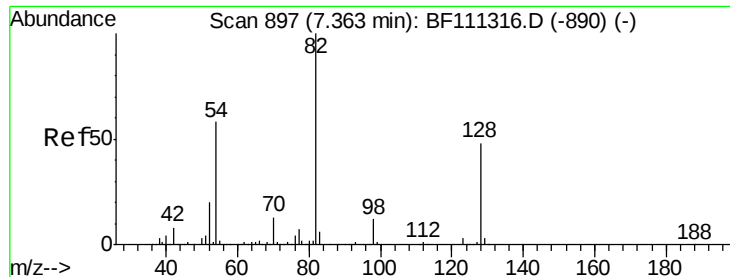
Abundance Ion 105.00 (104.70 to 105.70): E

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

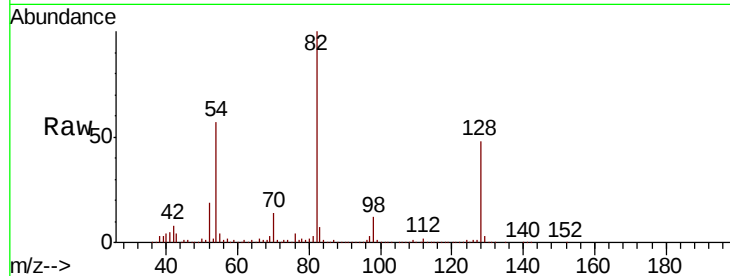




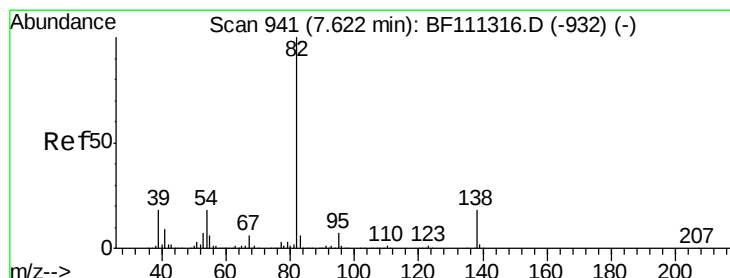
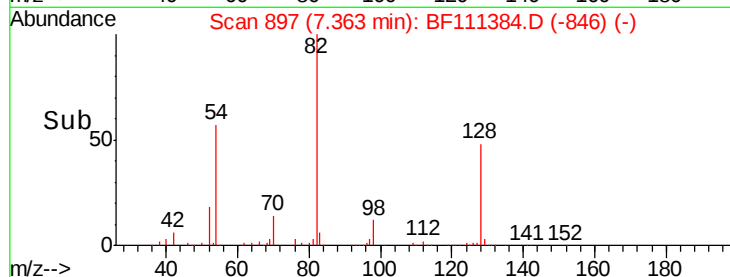
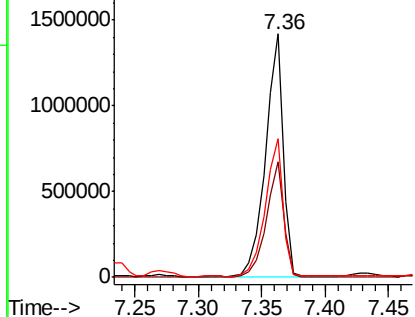
#23
 Nitrobenzene-d5
 Concen: 61.347 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF111384.D
 Acq: 13 Dec 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :
 P001-SW004-01

Tgt Ion: 82 Resp: 1383390
 Ion Ratio Lower Upper
 82 100
 128 47.5 37.4 56.2
 54 57.2 47.6 71.4

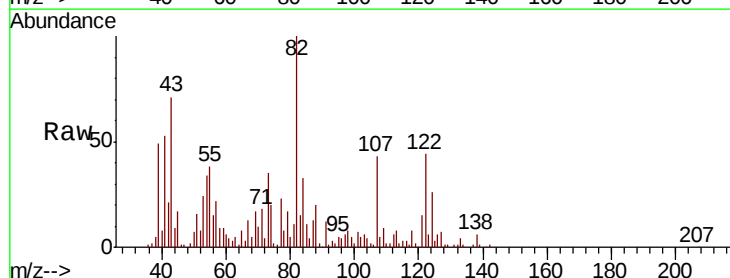


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

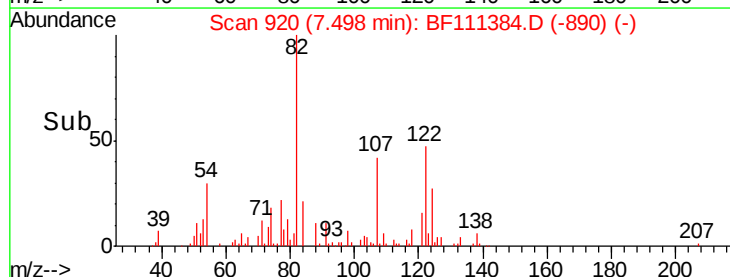
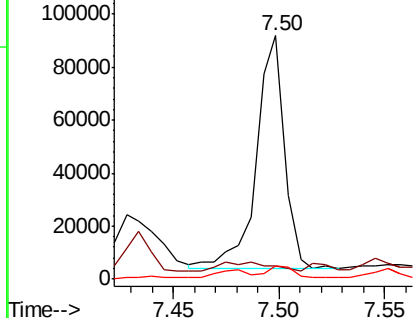


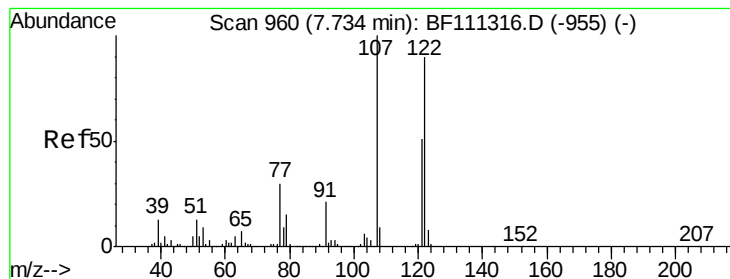
#25
 Isophorone
 Concen: 2.128 ng
 RT: 7.50 min Scan# 920
 Delta R.T. -0.12 min
 Lab File: BF111384.D
 Acq: 13 Dec 2018 21:53

Tgt Ion: 82 Resp: 81503
 Ion Ratio Lower Upper
 82 100
 95 5.2 5.4 8.2#
 138 5.6 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





#27

2,4-Dimethylphenol

Concen: 7.659 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampled :

P001-SW004-01

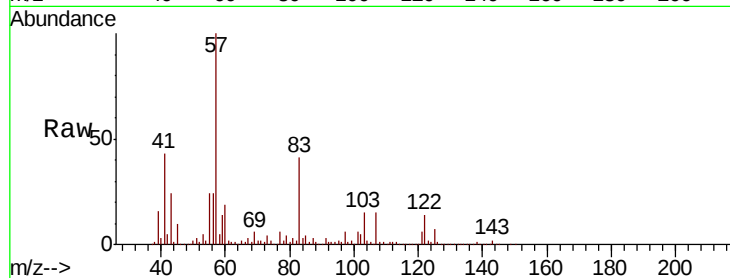
Tgt Ion:122 Resp: 132741

Ion Ratio Lower Upper

122 100

107 107.3 85.5 128.3

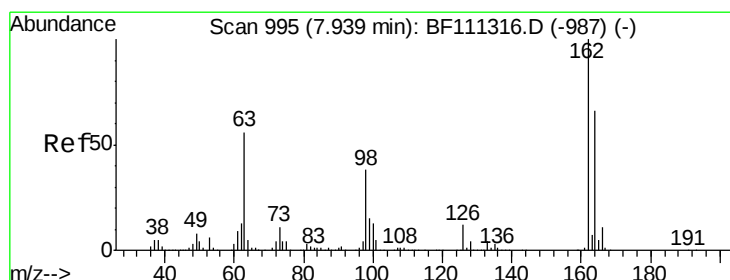
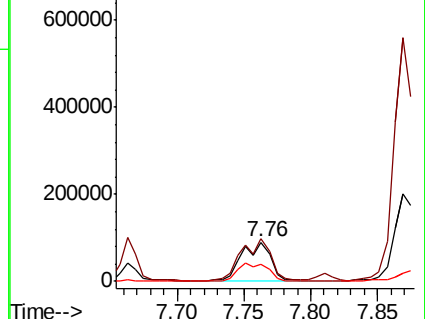
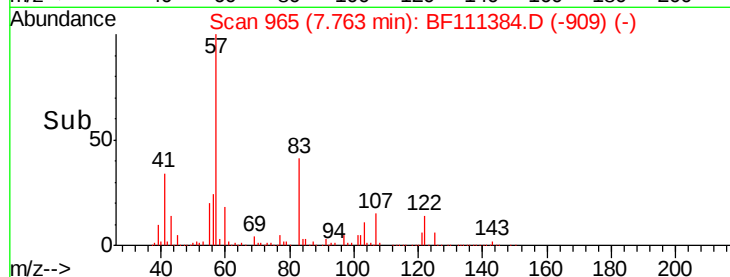
121 42.8 46.6 70.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#29

2,4-Dichlorophenol

Concen: 5.905 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

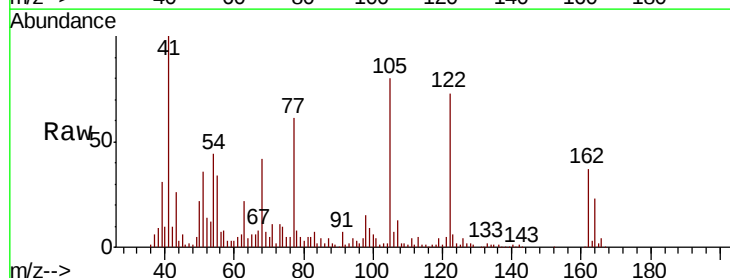
Tgt Ion:162 Resp: 106753

Ion Ratio Lower Upper

162 100

164 63.0 44.4 84.4

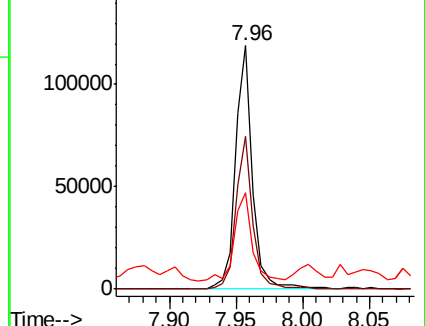
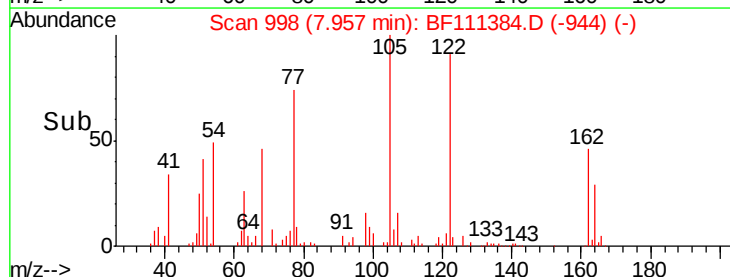
98 39.5 20.3 60.3

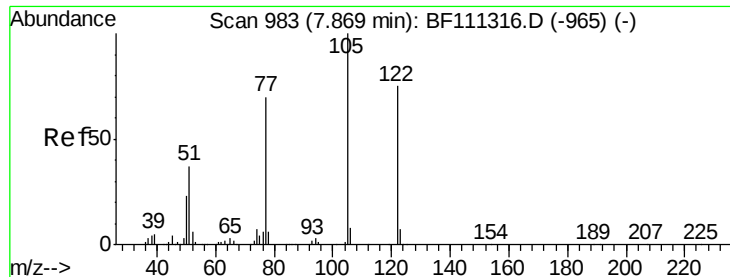


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1

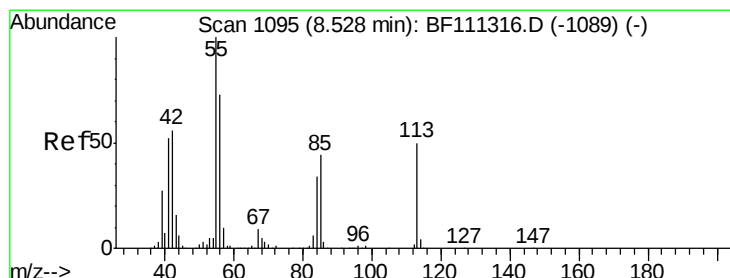
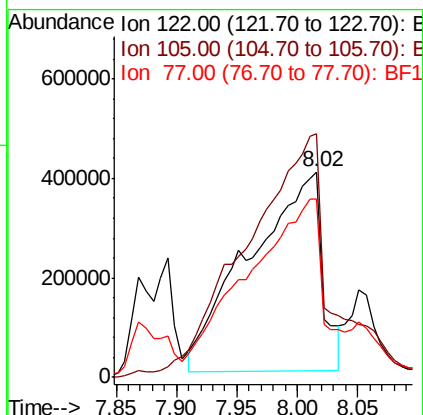
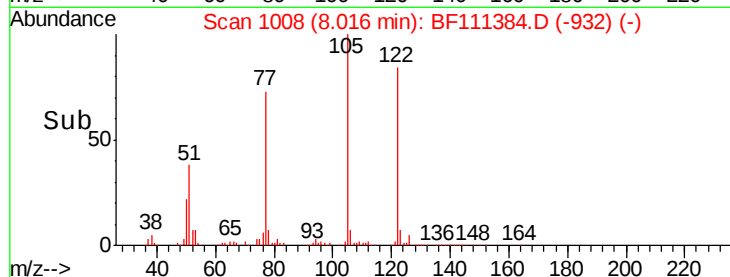
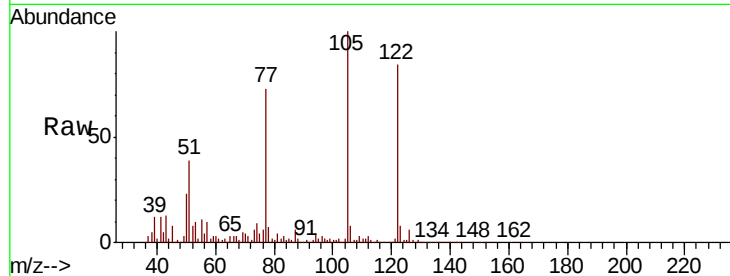




#32
Benzoic acid
Concen: 115.719 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.15 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

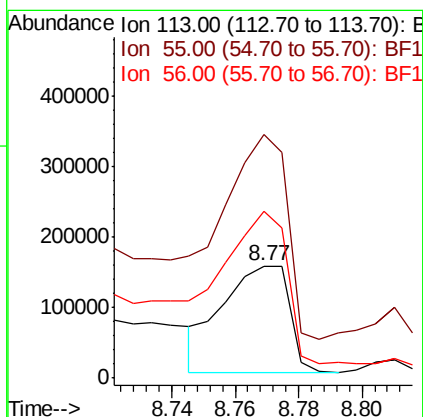
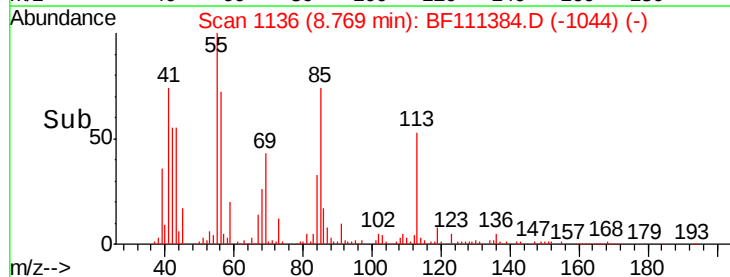
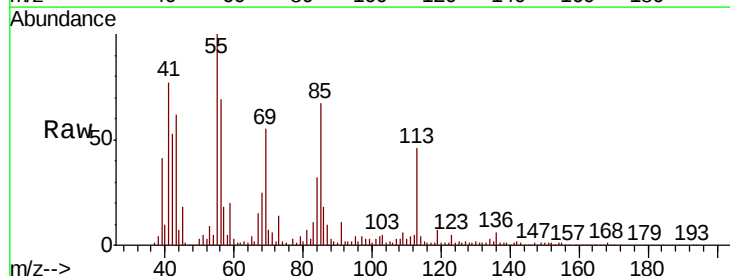
Instrument :
BNA_F
ClientSampleId :
P001-SW004-01

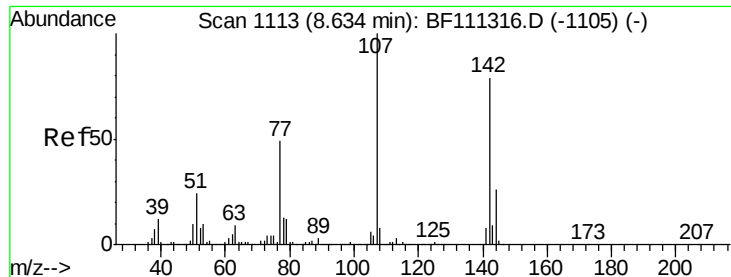
Tgt Ion:122 Resp: 1667209
Ion Ratio Lower Upper
122 100
105 118.4 97.0 137.0
77 86.6 65.7 105.7



#35
Caprolactam
Concen: 35.058 ng
RT: 8.77 min Scan# 1136
Delta R.T. 0.24 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

Tgt Ion:113 Resp: 222093
Ion Ratio Lower Upper
113 100
55 217.0 184.1 224.1
56 149.0 126.0 166.0

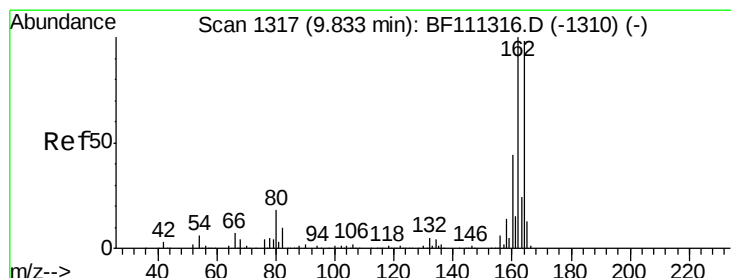
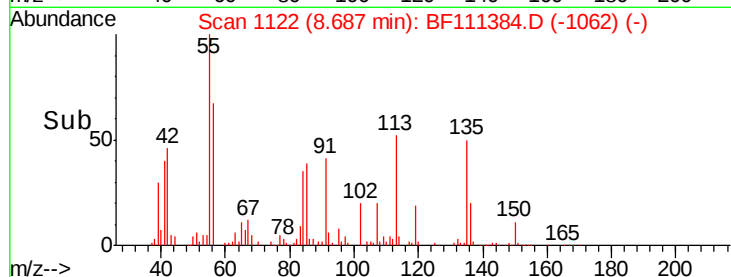
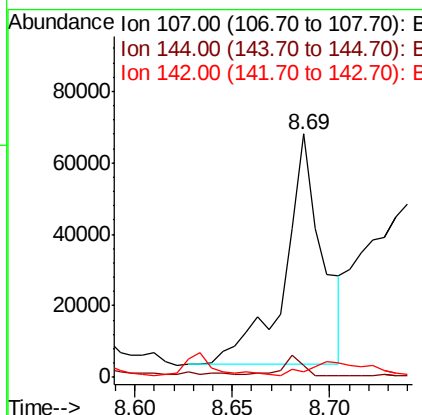
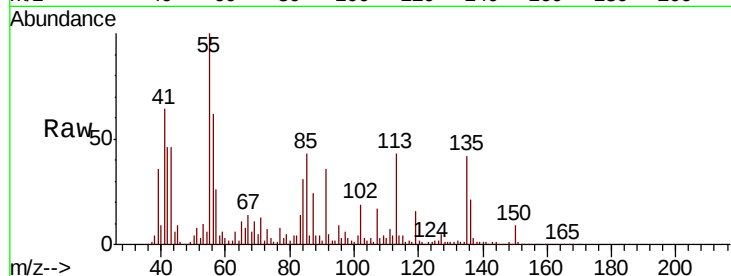




#36
4-Chloro-3-methylphenol
Concen: 4.502 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.05 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

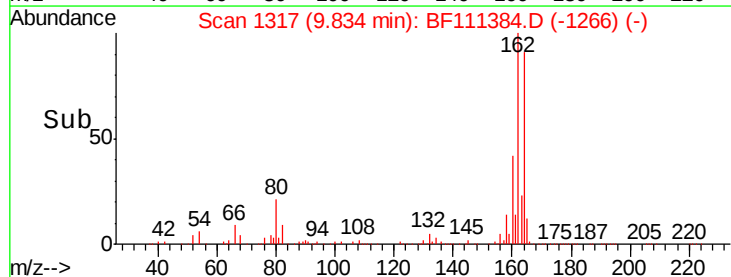
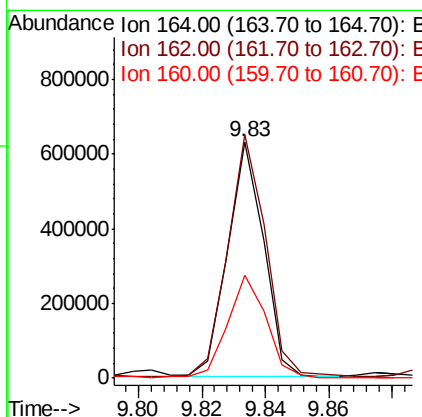
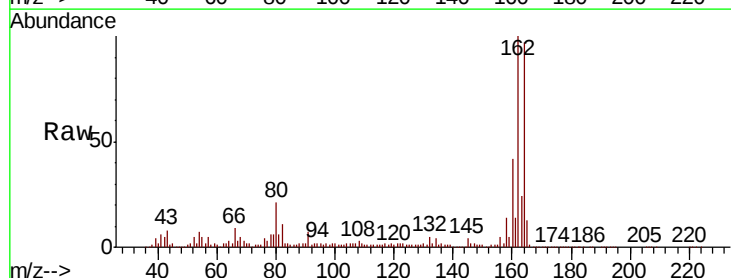
Instrument :
BNA_F
ClientSampleId :
P001-SW004-01

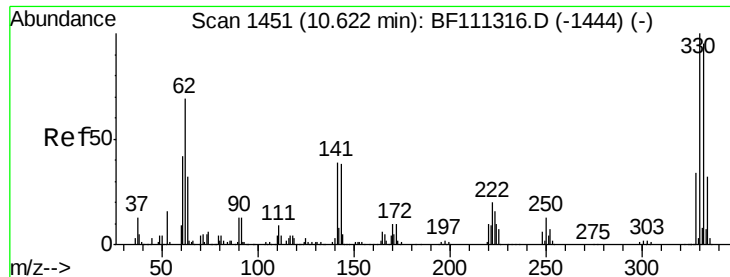
Tgt Ion:107 Resp: 86735
Ion Ratio Lower Upper
107 100
144 4.9 19.8 29.6#
142 2.2 62.3 93.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

Tgt Ion:164 Resp: 490669
Ion Ratio Lower Upper
164 100
162 103.0 81.4 122.0
160 43.4 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 78.501 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01

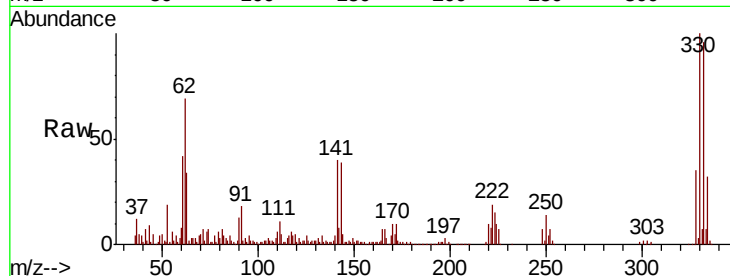
Tgt Ion:330 Resp: 339540

Ion Ratio Lower Upper

330 100

332 94.9 76.0 114.0

141 36.9 31.0 46.6

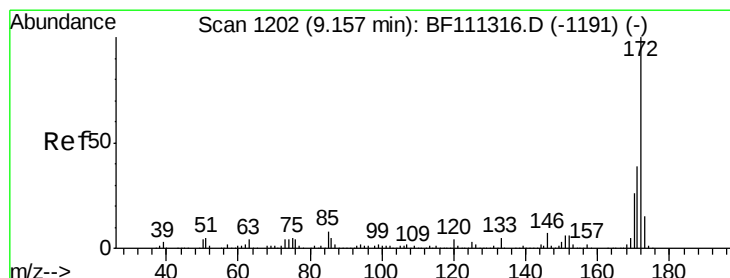
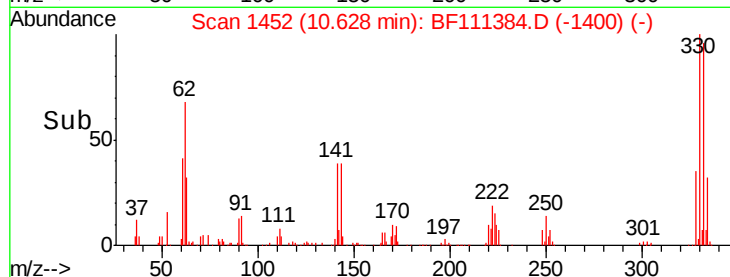
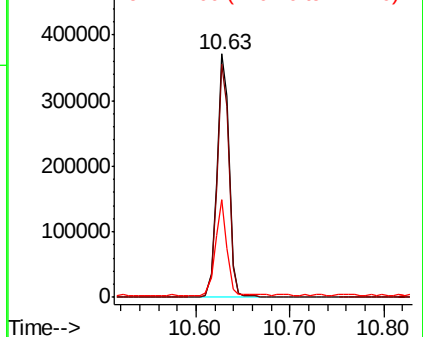


Abundance

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: 65.552 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

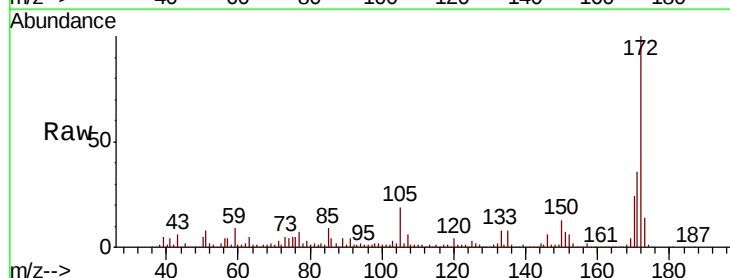
Tgt Ion:172 Resp: 2003397

Ion Ratio Lower Upper

172 100

171 36.3 33.0 49.4

170 24.3 22.3 33.5

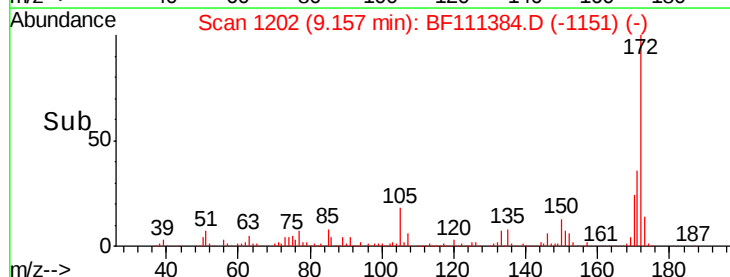
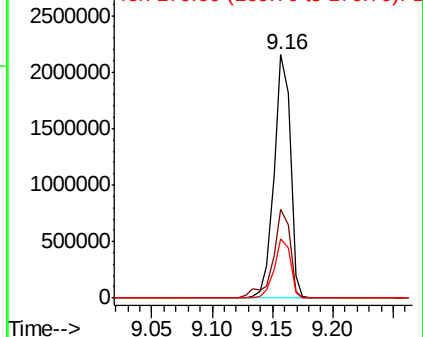


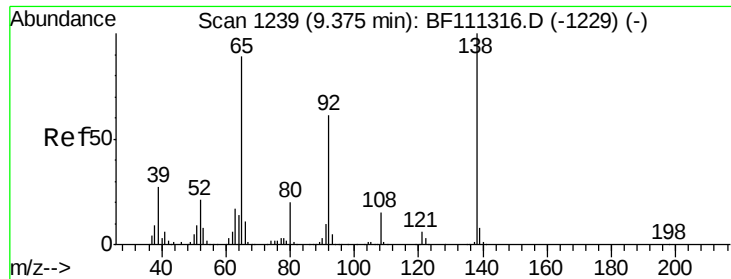
Abundance

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

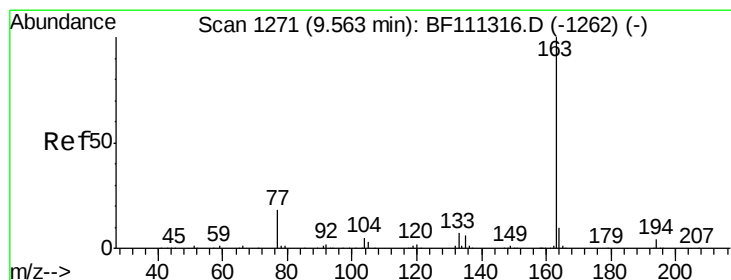
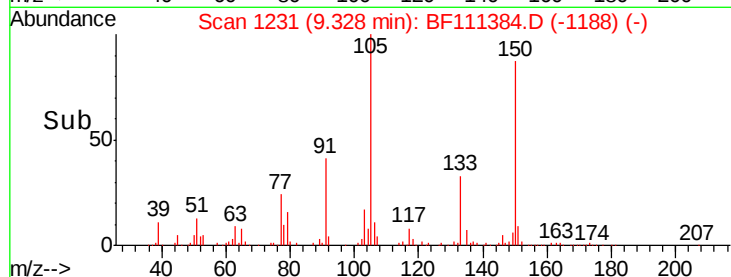
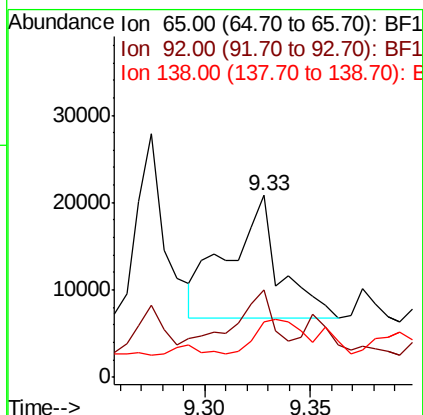
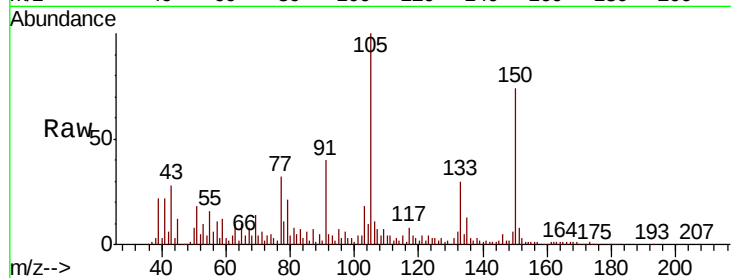




#48
2-Nitroaniline
Concen: 2.295 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.05 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

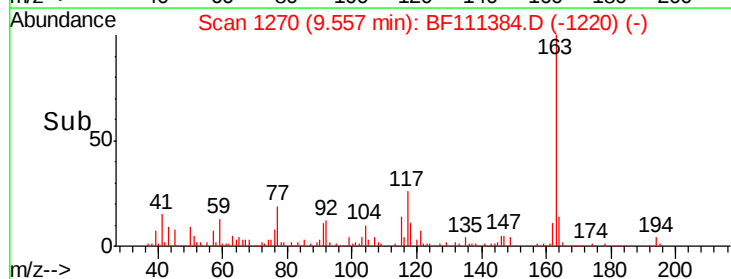
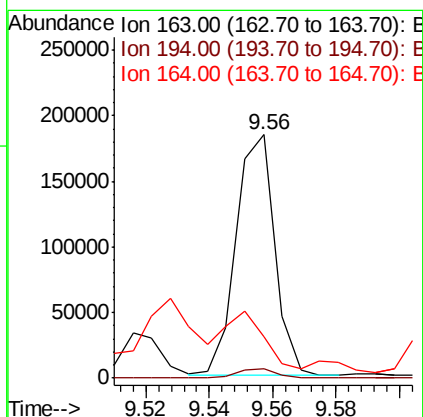
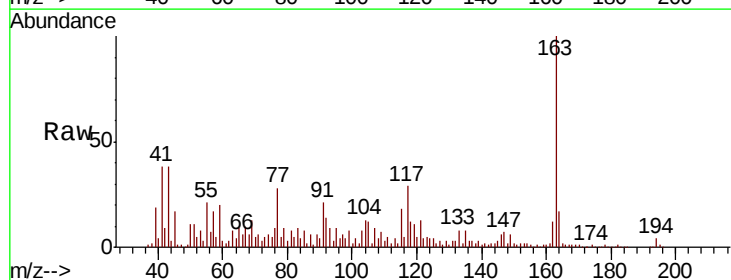
Instrument :
BNA_F
ClientSampleId :
P001-SW004-01

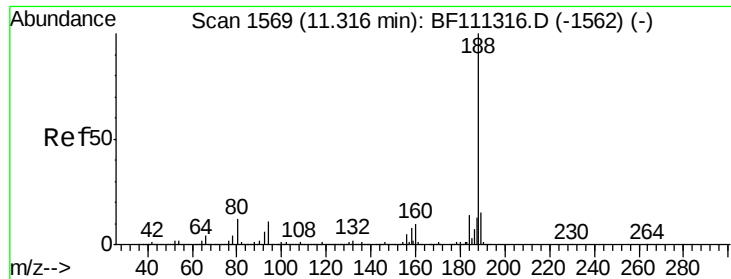
Tgt Ion: 65 Resp: 23908
Ion Ratio Lower Upper
65 100
92 48.4 53.5 80.3#
138 30.2 80.9 121.3#



#50
Dimethylphthalate
Concen: 4.360 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

Tgt Ion:163 Resp: 153824
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 17.0 8.9 13.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01

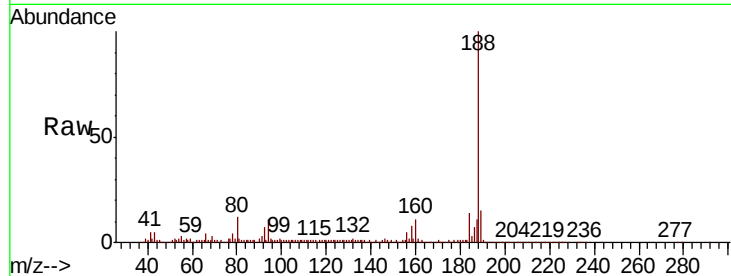
Tgt Ion:188 Resp: 688720

Ion Ratio Lower Upper

188 100

94 11.3 9.6 14.4

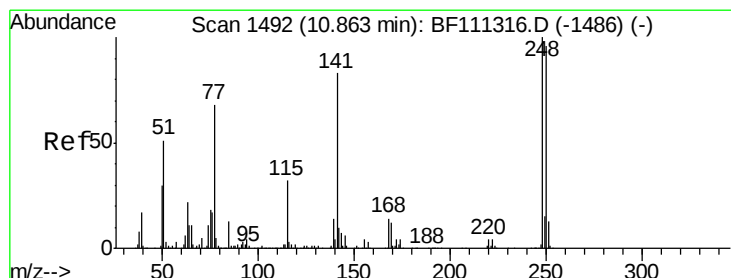
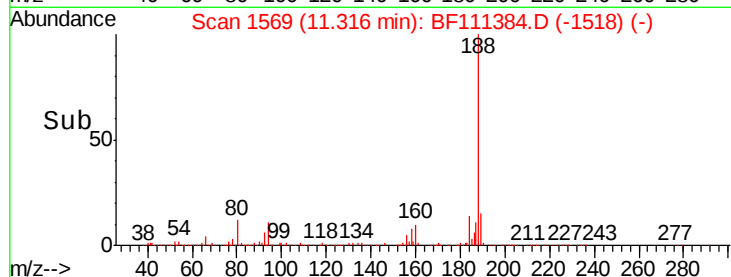
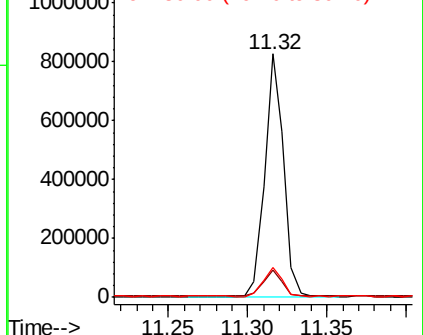
80 12.3 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.868 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF111384.D

Acq: 13 Dec 2018 21:53

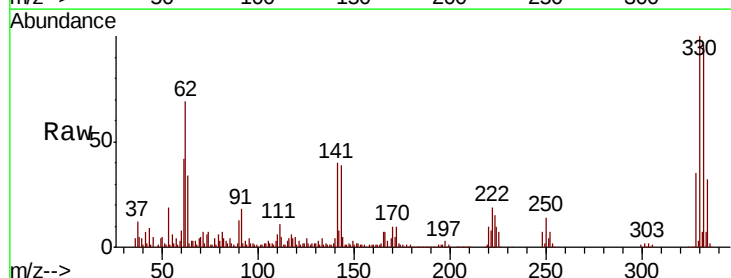
Tgt Ion:248 Resp: 21993

Ion Ratio Lower Upper

248 100

250 209.5 77.0 115.4#

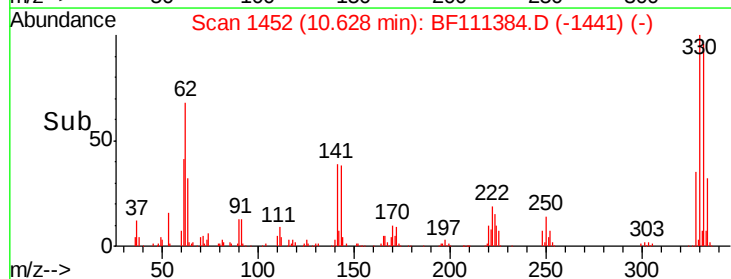
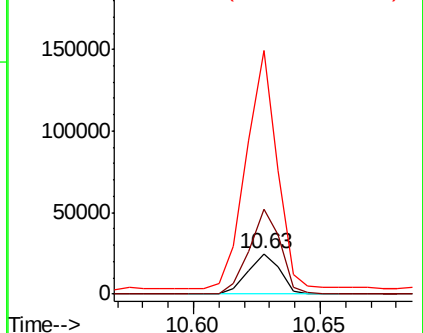
141 597.8 63.0 94.6#

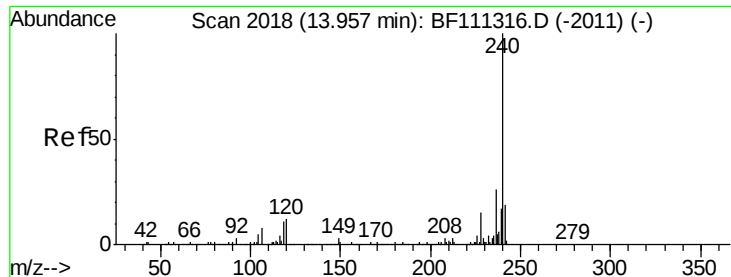


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

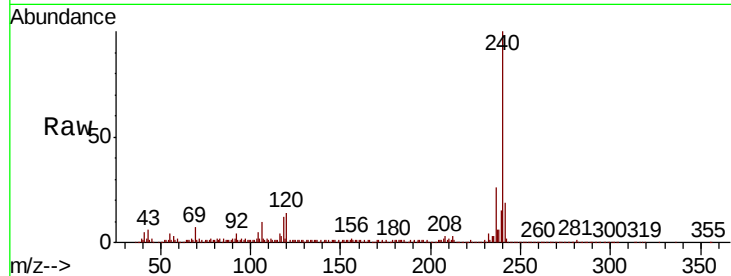




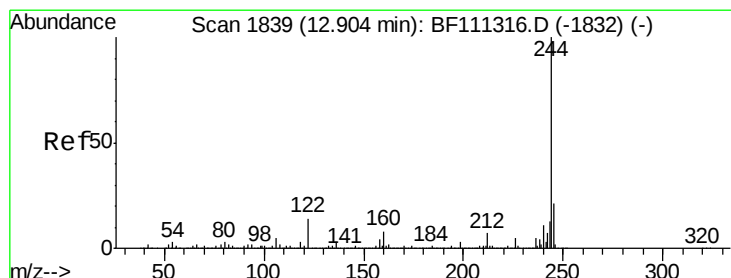
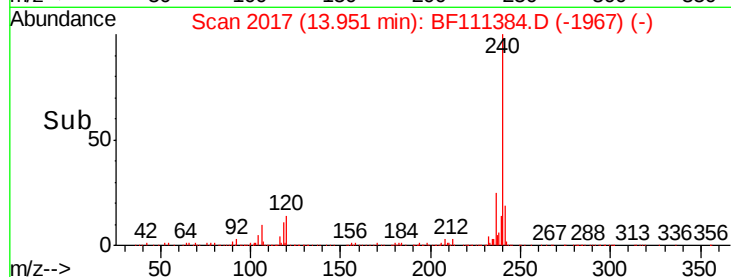
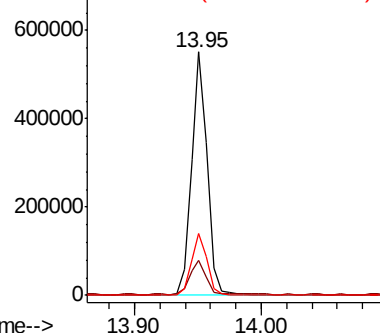
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

Instrument :
BNA_F
ClientSampleId :
P001-SW004-01

Tgt Ion:240 Resp: 478114
Ion Ratio Lower Upper
240 100
120 14.3 12.2 18.2
236 25.5 20.2 30.2

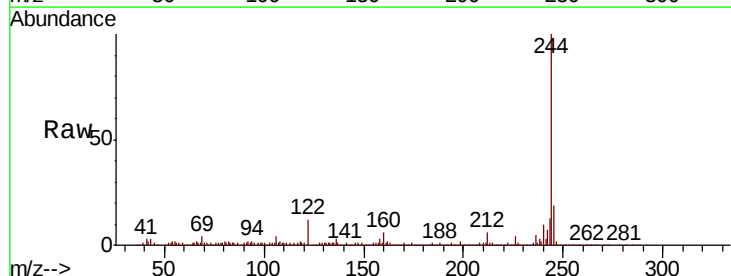


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

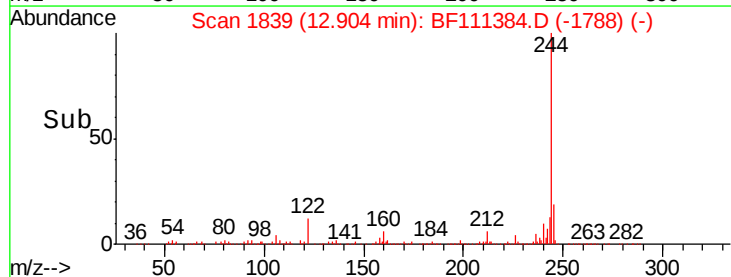
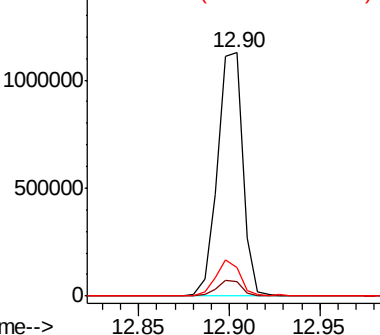


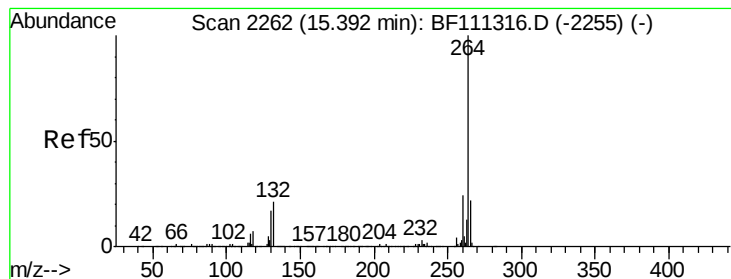
#79
Terphenyl-d14
Concen: 50.255 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF111384.D
Acq: 13 Dec 2018 21:53

Tgt Ion:244 Resp: 1091702
Ion Ratio Lower Upper
244 100
212 6.2 5.7 8.5
122 11.9 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# 2261

Delta R.T. -0.01 min

Lab File: BF111384.D

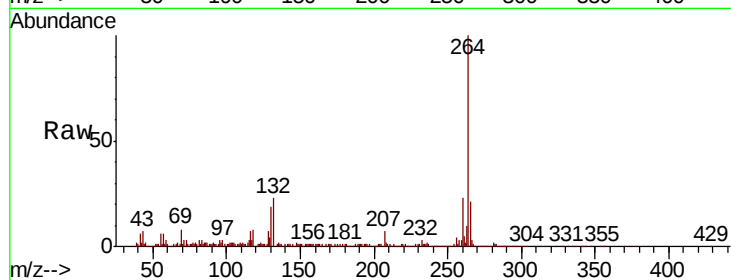
Acq: 13 Dec 2018 21:53

Instrument :

BNA_F

ClientSampleId :

P001-SW004-01



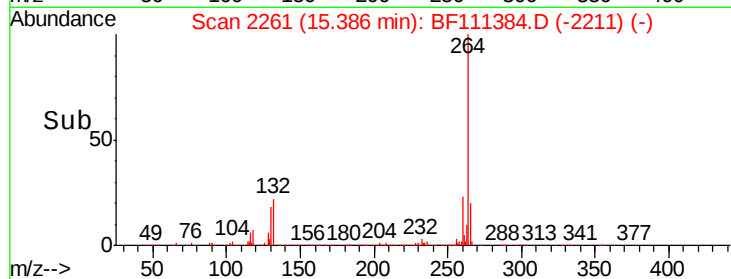
Tgt Ion: 264 Resp: 382750

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 20.6 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

