

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111021.D
 Acq On : 27 Nov 2018 20:32
 Operator : JU/SJ
 Sample : J6064-03 20X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

Quant Time: Nov 28 00:59:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	40696	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	151840	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	64858	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	120259	20.00	ng	0.00
76) Chrysene-d12	14.14	240	95600	20.00	ng	0.00
87) Perylene-d12	15.68	264	61717	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	4590	1.87	ng	-0.02
7) Phenol-d6	6.58	99	2948	0.92	ng	0.01
23) Nitrobenzene-d5	7.51	82	8940	3.37	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	3220	5.00	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	16130	3.60	ng	0.00
79) Terphenyl-d14	13.06	244	16019	3.26	ng	0.00

Target Compounds

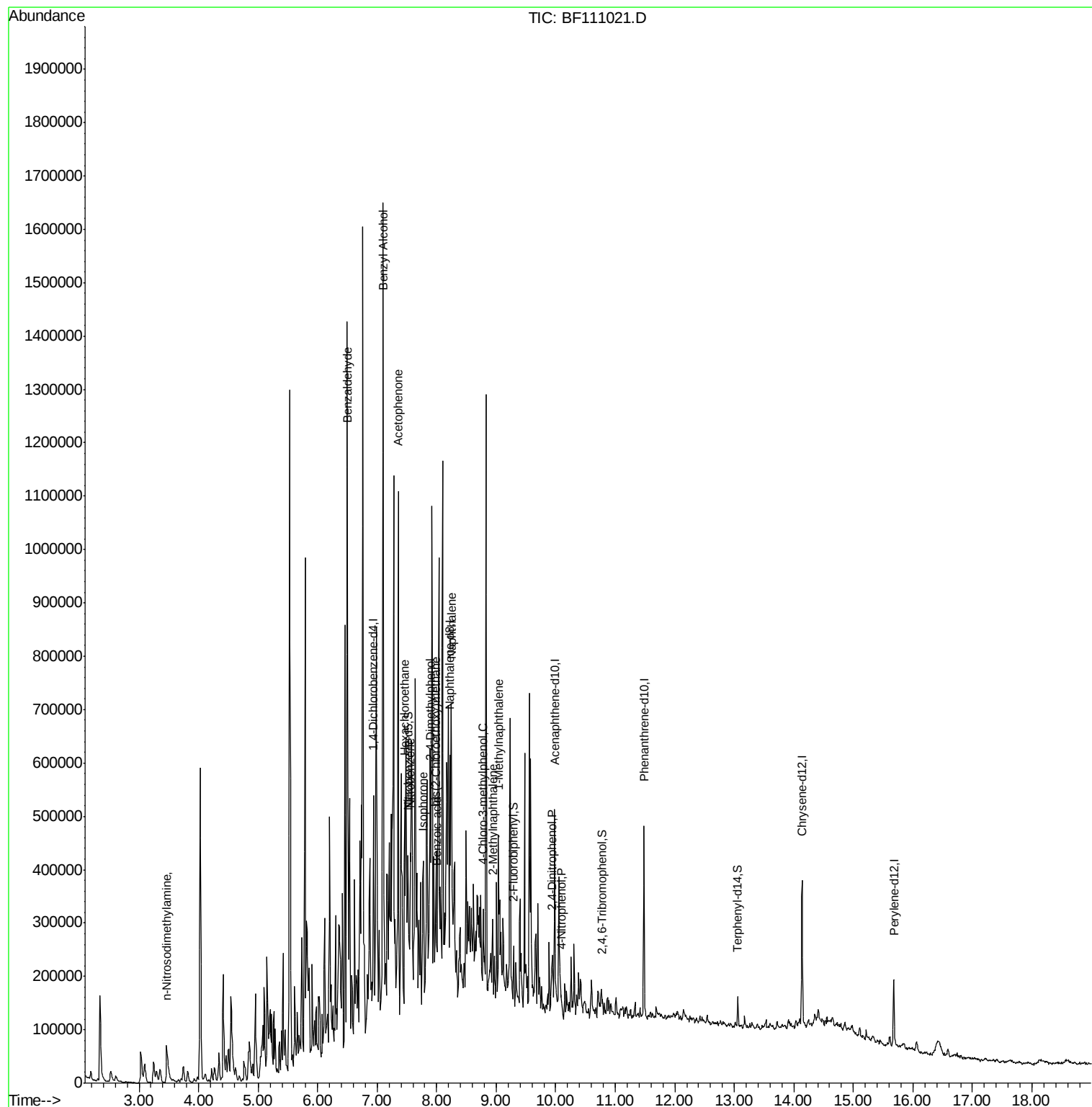
						Qvalue
4) n-Nitrosodimethylamine	3.46	42	4752	4.034	ng	# 1
9) Benzaldehyde	6.49	77	14805	5.751	ng	# 1
15) Benzyl Alcohol	7.10	79	35700	14.526	ng	# 53
18) Hexachloroethane	7.46	117	17842	14.762	ng	# 1
22) Acetophenone	7.35	105	238788	67.092	ng	# 95
24) Nitrobenzene	7.56	77	9387	3.402	ng	# 1
25) Isophorone	7.76	82	44133	10.141	ng	# 71
27) 2,4-Dimethylphenol	7.90	122	5687	2.809	ng	# 83
28) bis(2-Chloroethoxy)methane	7.99	93	35179	12.066	ng	# 77
31) Naphthalene	8.25	128	167705	23.562	ng	# 100
32) Benzoic acid	8.00	122	14207	9.440	ng	# 78
36) 4-Chloro-3-methylphenol	8.77	107	14330	6.089	ng	# 27
37) 2-Methylnaphthalene	8.94	142	32870	6.992	ng	# 90
38) 1-Methylnaphthalene	9.03	142	14552	3.182	ng	# 97
54) 2,4-Dinitrophenol	9.95	184	121	4.026	ng	# 1
56) 4-Nitrophenol	10.10	139	263	4.600	ng	# 1

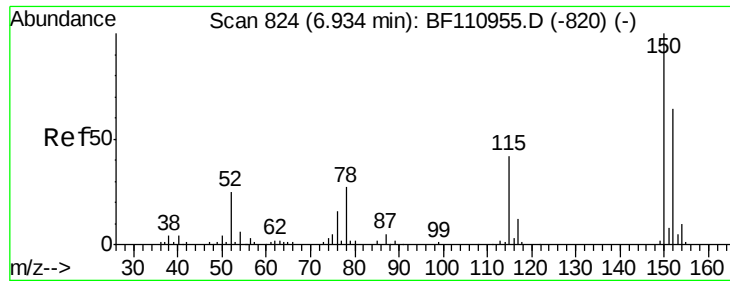
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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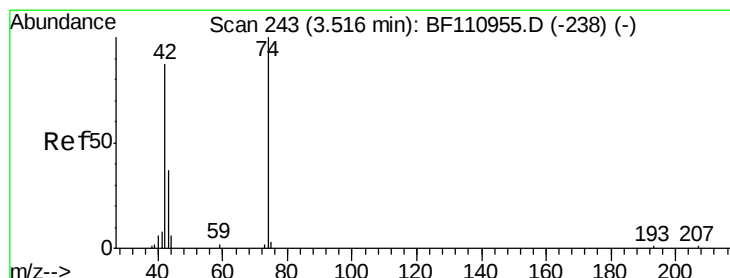
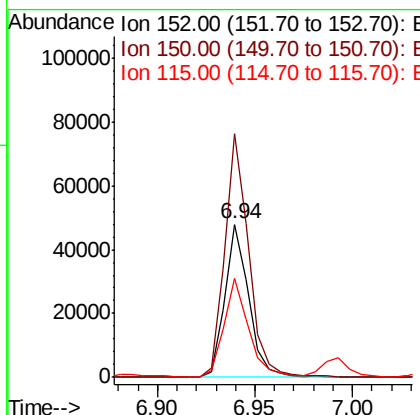
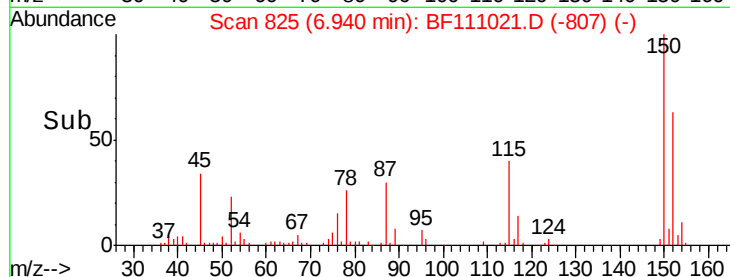
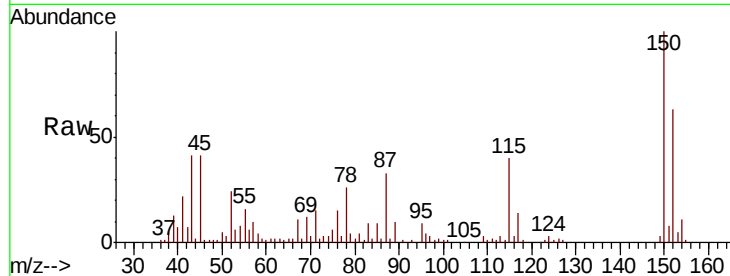




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

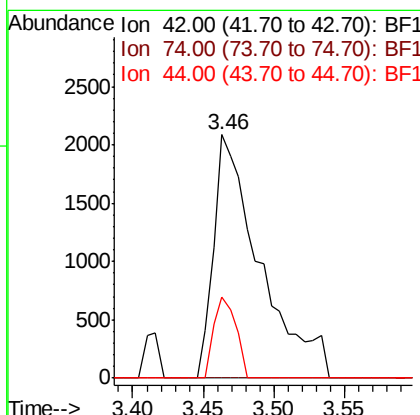
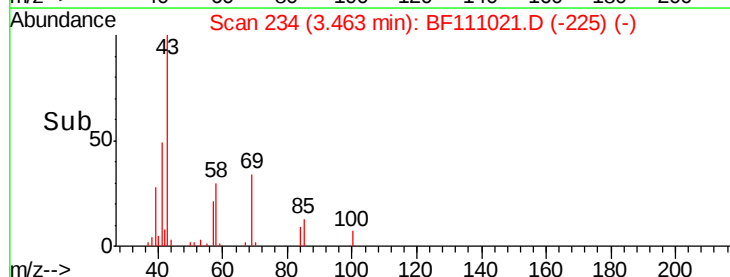
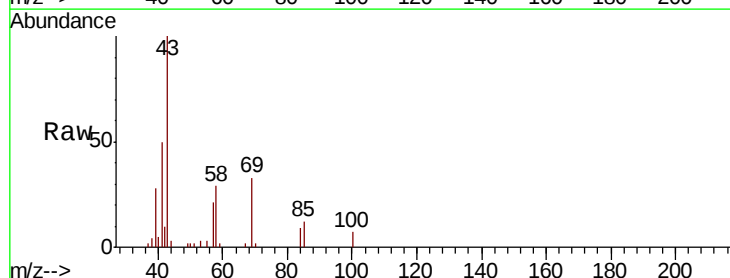
Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

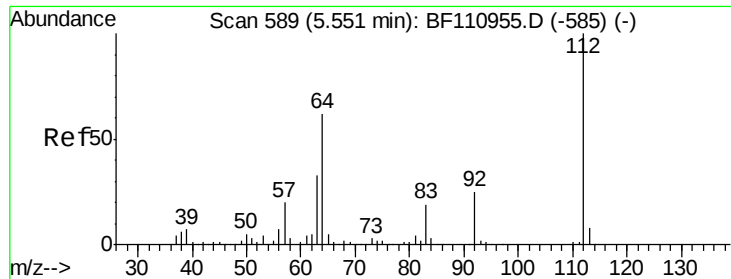
Tgt Ion:152 Resp: 40696
 Ion Ratio Lower Upper
 152 100
 150 159.2 122.7 184.1
 115 64.4 49.1 73.7



#4
 n-Nitrosodimethylamine
 Concen: 4.034 ng
 RT: 3.46 min Scan# 234
 Delta R.T. -0.05 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Tgt Ion: 42 Resp: 4752
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.5 158.3#
 44 33.4 4.9 7.3#





#5

2-Fluorophenol

Concen: 1.870 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.02 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

BNA_F

ClientSampleId :

OILY-WATER

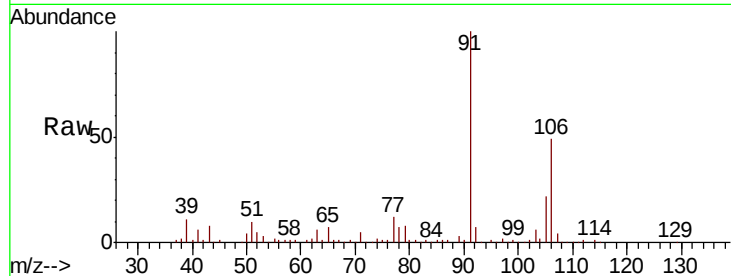
Tgt Ion: 112 Resp: 4590

Ion Ratio Lower Upper

112 100

64 128.7 44.1 66.1#

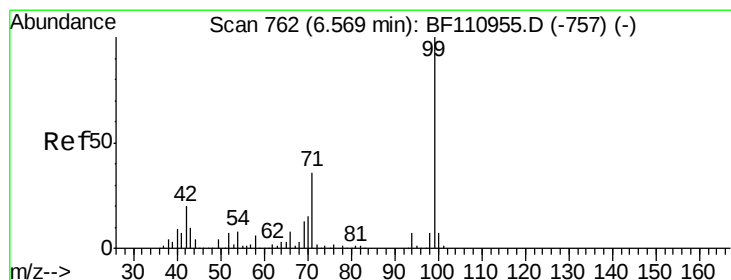
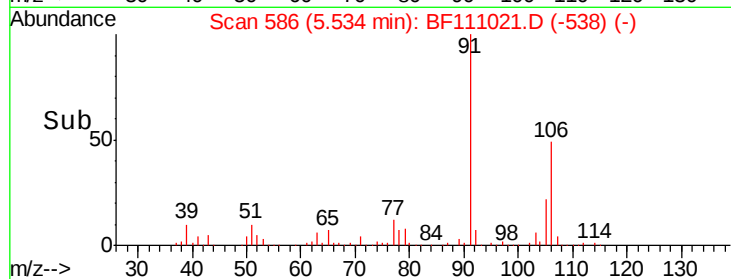
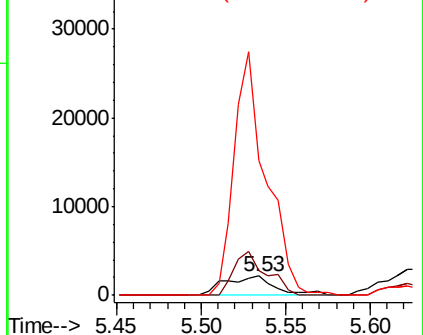
63 700.7 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 0.922 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

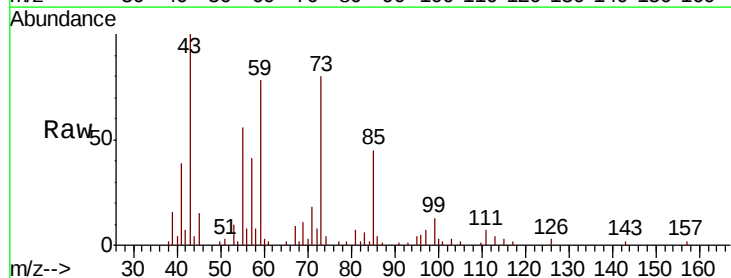
Tgt Ion: 99 Resp: 2948

Ion Ratio Lower Upper

99 100

42 54.7 15.8 23.6#

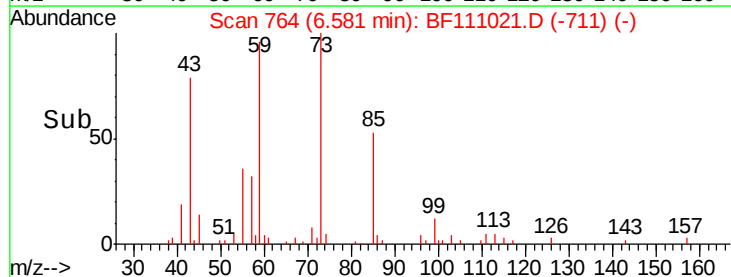
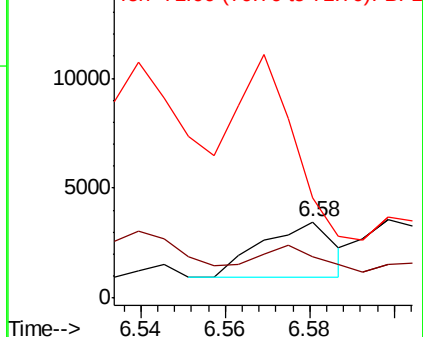
71 131.9 28.0 42.0#

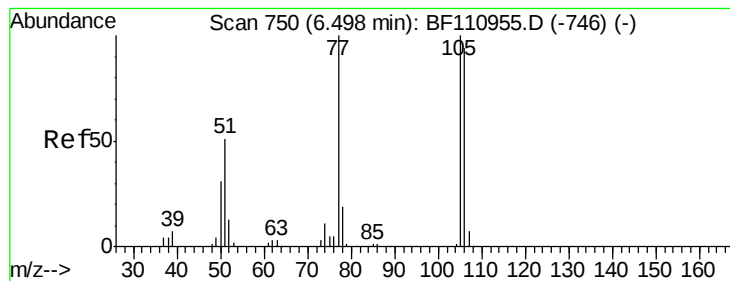


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 5.751 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

BNA_F

ClientSampleId :

OILY-WATER

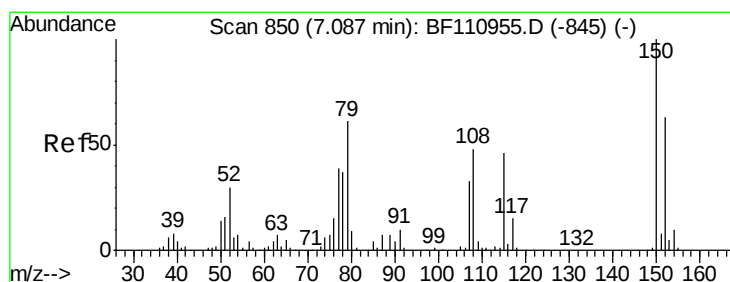
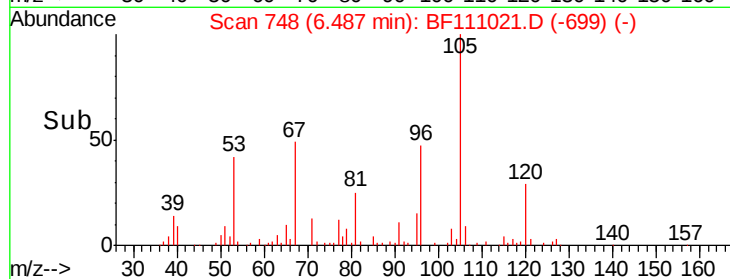
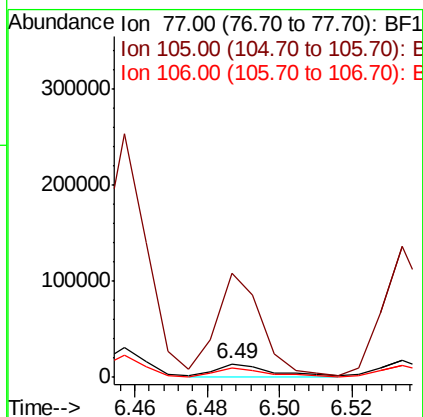
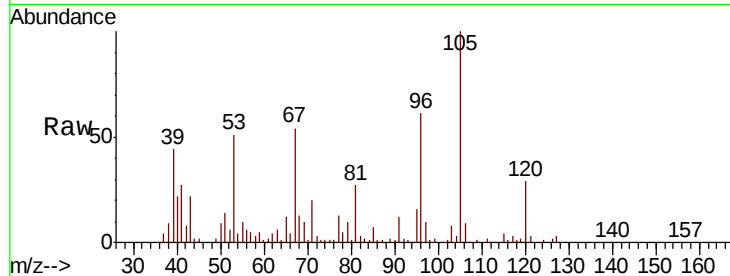
Tgt Ion: 77 Resp: 14805

Ion Ratio Lower Upper

77 100

105 786.0 78.6 118.6#

106 68.9 74.8 114.8#



#15

Benzyl Alcohol

Concen: 14.526 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

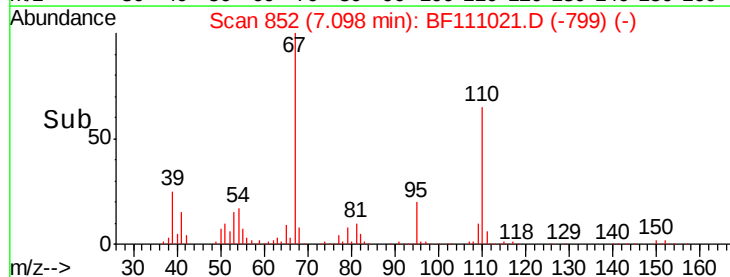
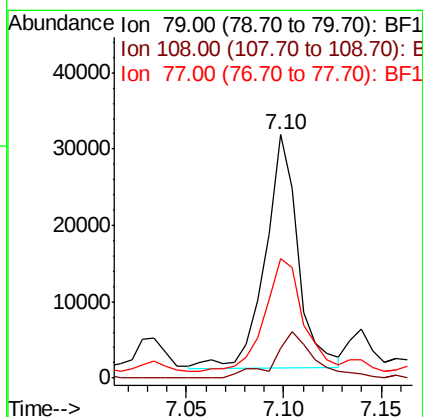
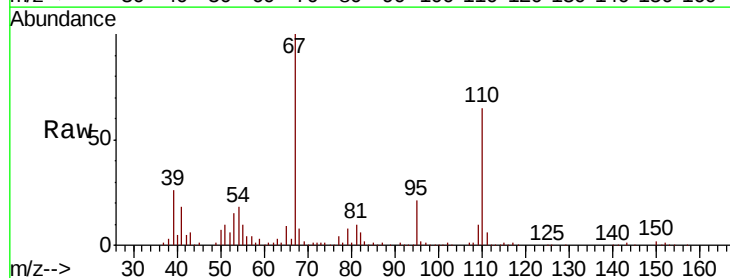
Tgt Ion: 79 Resp: 35700

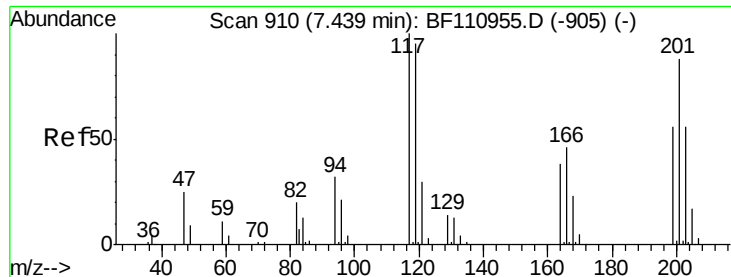
Ion Ratio Lower Upper

79 100

108 12.3 56.3 84.5#

77 49.3 52.9 79.3#

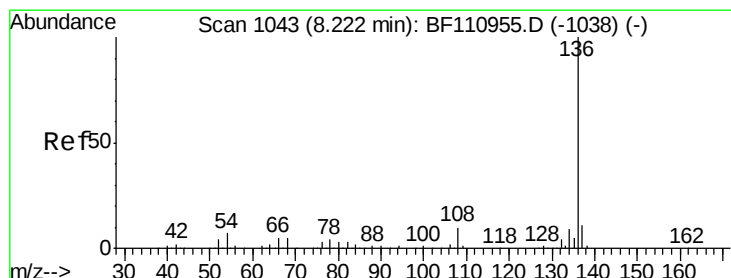
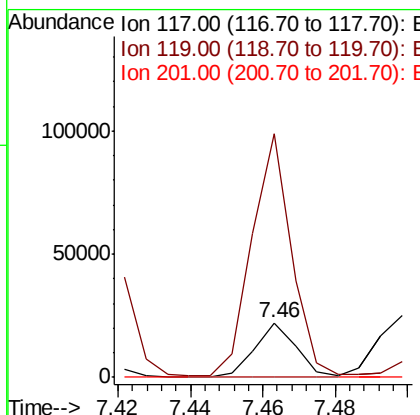
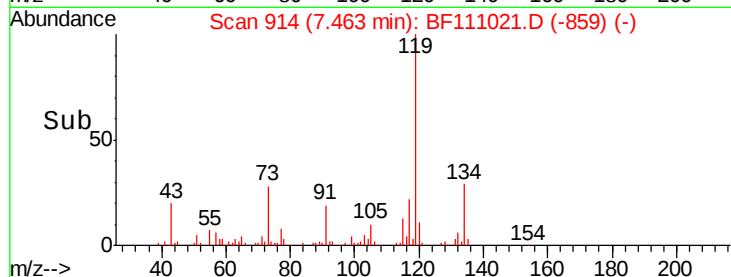
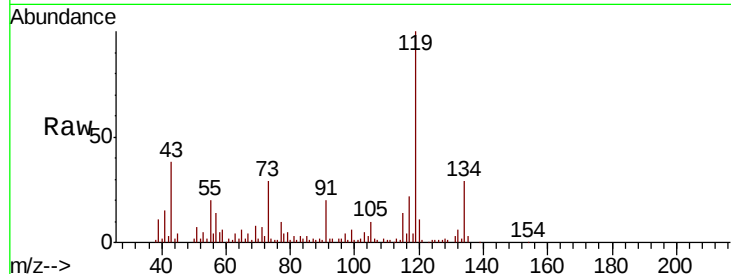




#18
Hexachloroethane
Concen: 14.762 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.02 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

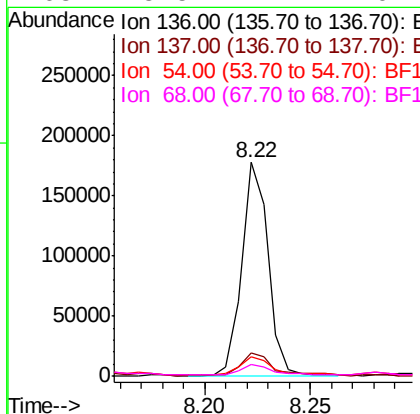
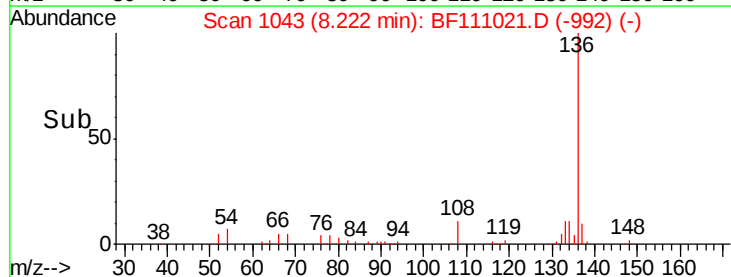
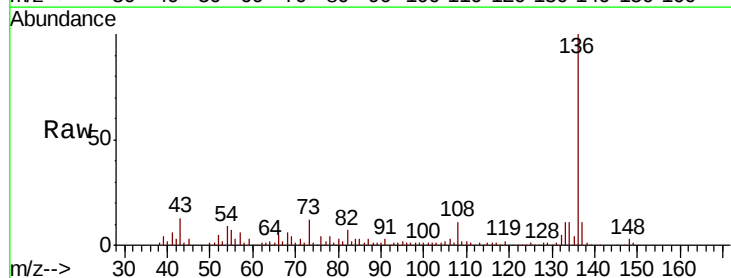
Instrument :
BNA_F
ClientSampleId :
OILY-WATER

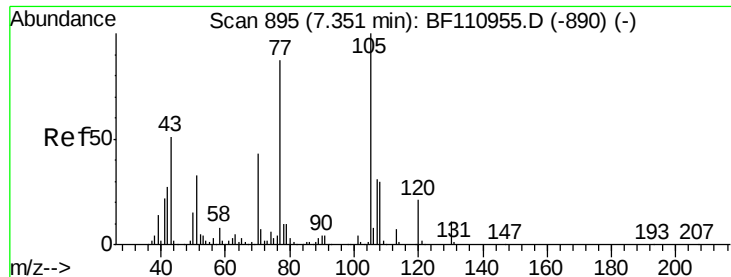
Tgt Ion:117 Resp: 17842
Ion Ratio Lower Upper
117 100
119 447.9 75.0 112.6#
201 0.0 79.2 118.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

Tgt Ion:136 Resp: 151840
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.2 5.4 8.2#
68 5.5 4.2 6.2





#22

Acetophenone

Concen: 67.092 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

BNA_F

ClientSampleId :

OILY-WATER

Tgt Ion: 105 Resp: 238788

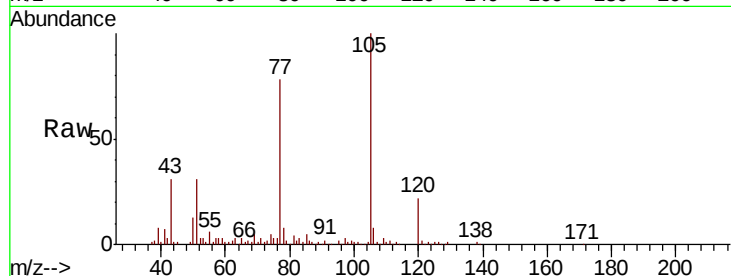
Ion Ratio Lower Upper

105 100

71 3.0 5.2 7.8#

51 30.5 21.8 32.8

120 22.0 17.0 25.4

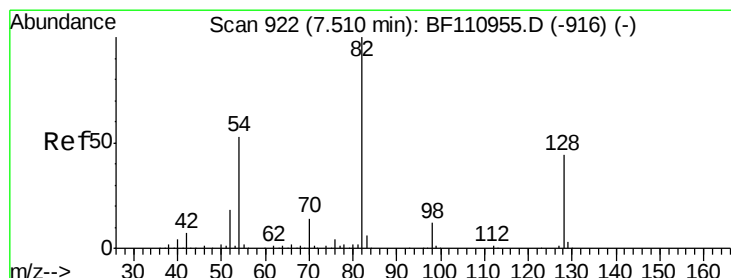
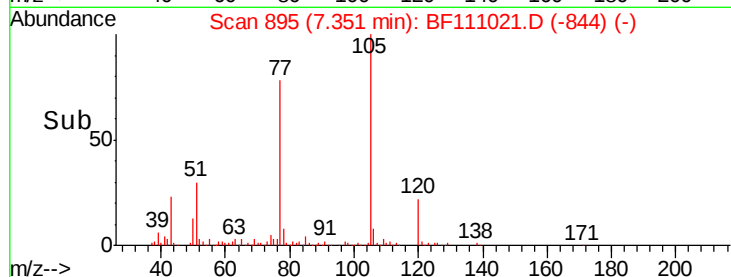
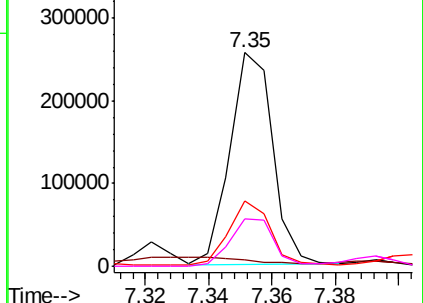


Abundance Ion 105.00 (104.70 to 105.70): E

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: 3.370 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

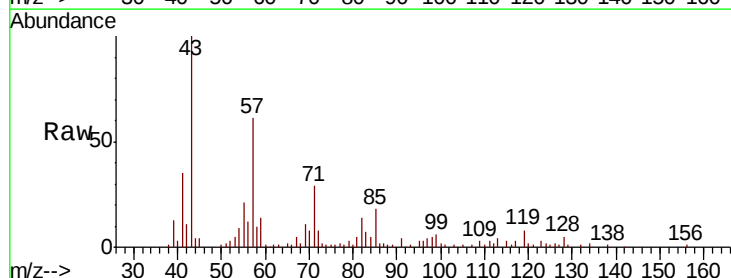
Tgt Ion: 82 Resp: 8940

Ion Ratio Lower Upper

82 100

128 37.5 34.2 51.2

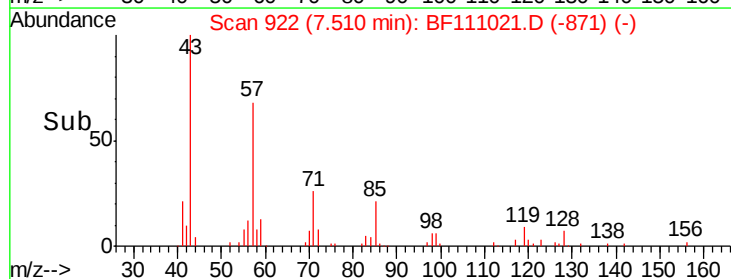
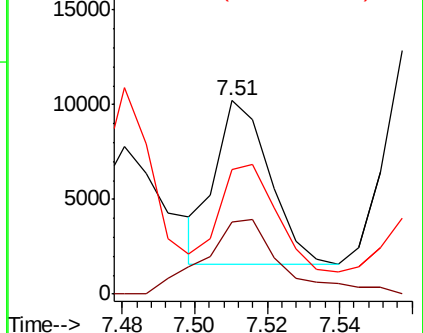
54 64.6 38.6 58.0#

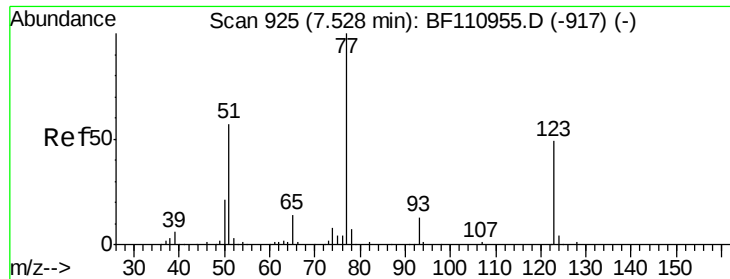


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 3.402 ng

RT: 7.56 min Scan# 931

Delta R.T. 0.04 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

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ClientSampleId :

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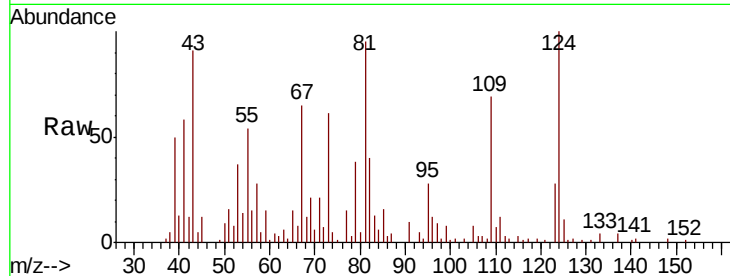
Tgt Ion: 77 Resp: 9387

Ion Ratio Lower Upper

77 100

123 188.1 35.7 53.5#

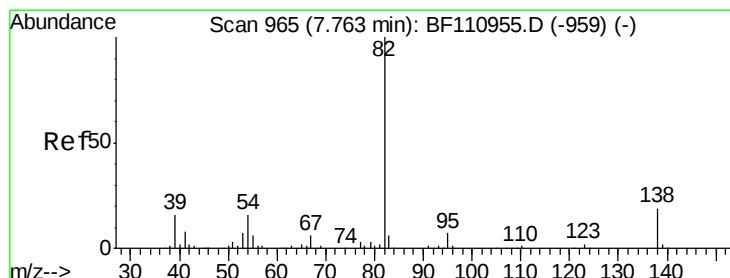
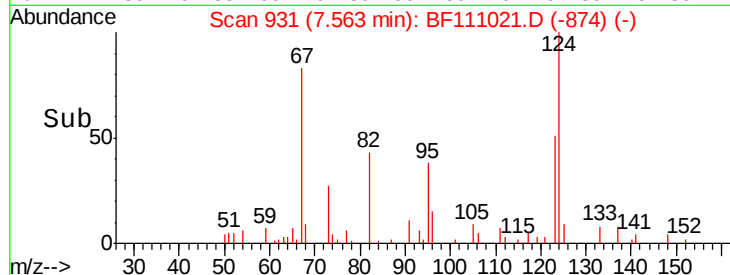
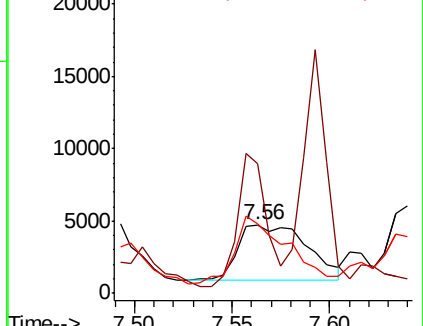
65 101.9 10.7 16.1#



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: 10.141 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

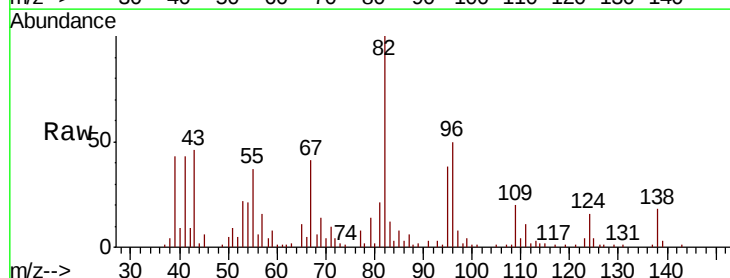
Tgt Ion: 82 Resp: 44133

Ion Ratio Lower Upper

82 100

95 38.5 5.7 8.5#

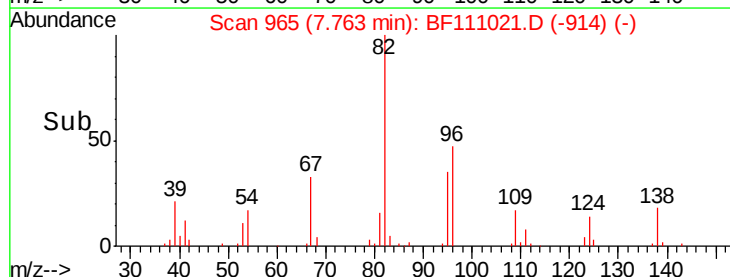
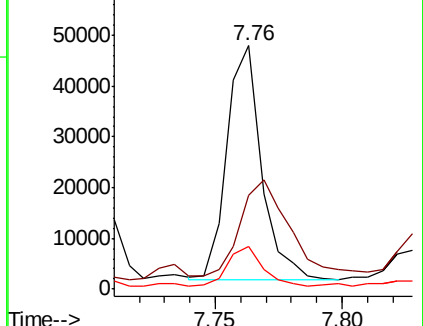
138 17.7 13.2 19.8

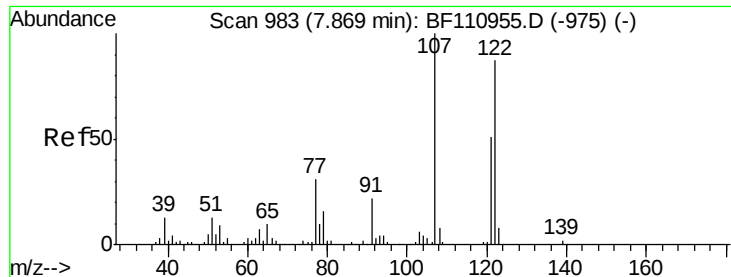


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

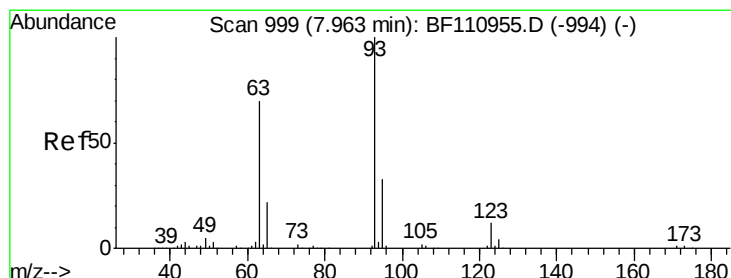
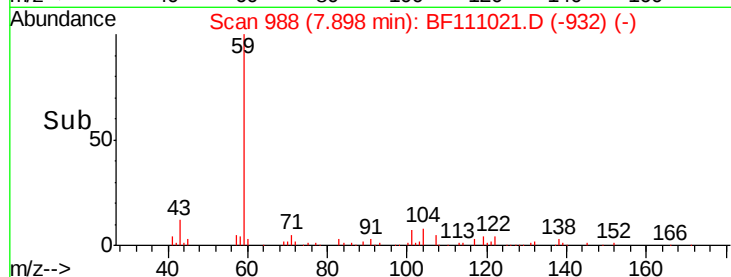
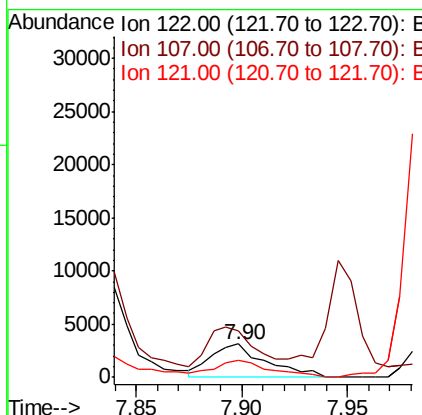
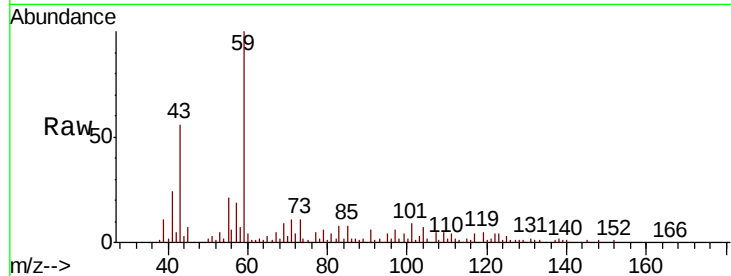




#27
 2,4-Dimethylphenol
 Concen: 2.809 ng
 RT: 7.90 min Scan# 988
 Delta R.T. 0.03 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

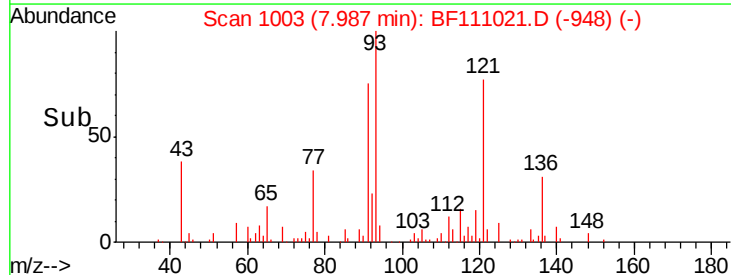
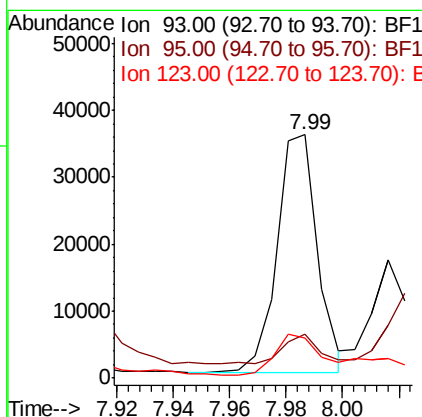
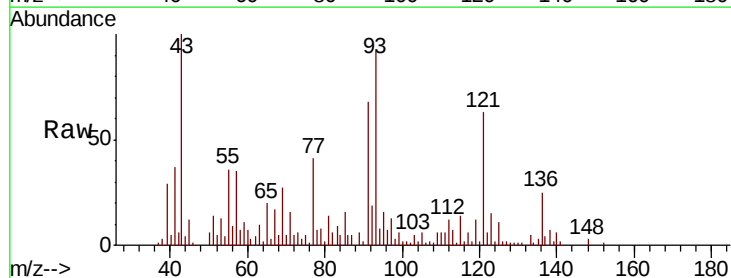
Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

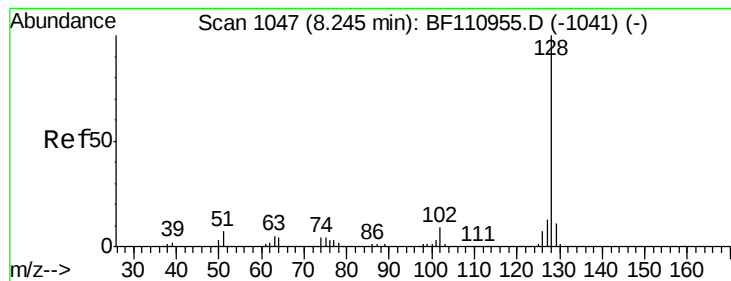
Tgt Ion:122 Resp: 5687
 Ion Ratio Lower Upper
 122 100
 107 138.2 92.5 138.7
 121 50.2 45.8 68.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 12.066 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. 0.02 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Tgt Ion: 93 Resp: 35179
 Ion Ratio Lower Upper
 93 100
 95 17.8 26.4 39.6#
 123 16.3 9.0 13.6#





#31

Naphthalene

Concen: 23.562 ng

RT: 8.25 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

BNA_F

ClientSampleId :

OILY-WATER

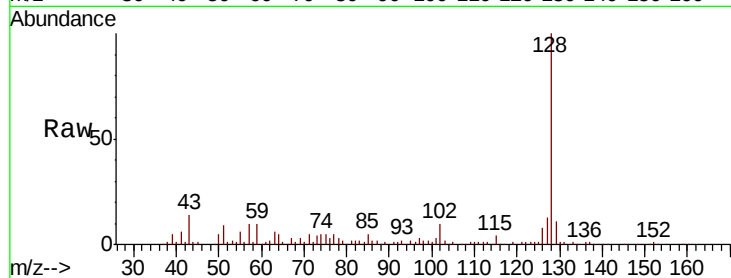
Tgt Ion:128 Resp: 167705

Ion Ratio Lower Upper

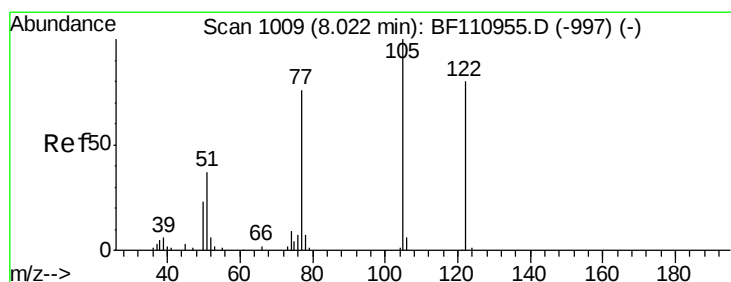
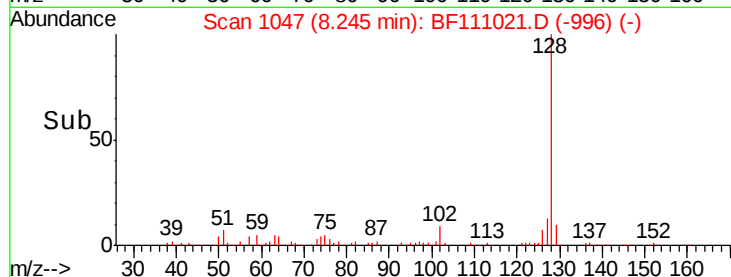
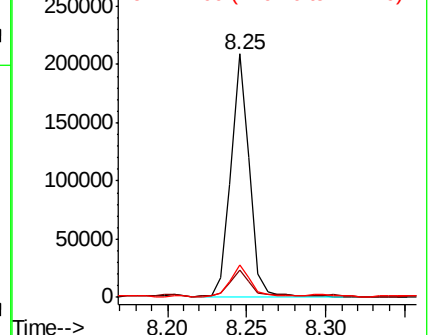
128 100

129 11.1 8.8 13.2

127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.440 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

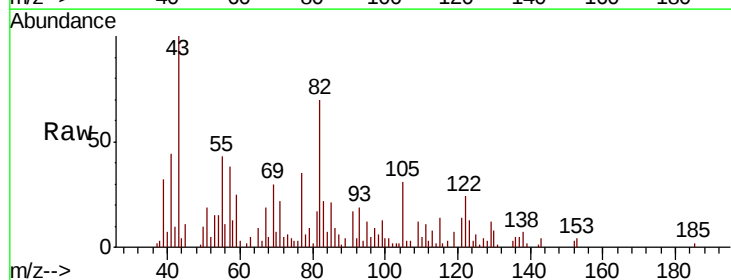
Tgt Ion:122 Resp: 14207

Ion Ratio Lower Upper

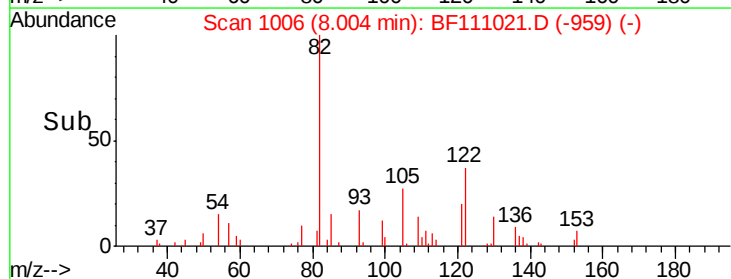
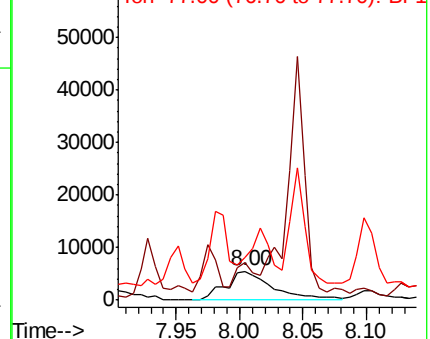
122 100

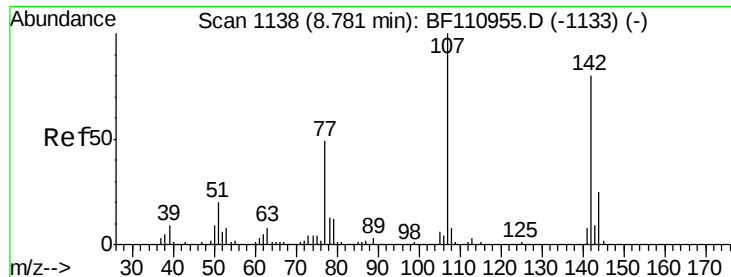
105 130.8 109.0 149.0

77 147.2 79.0 119.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

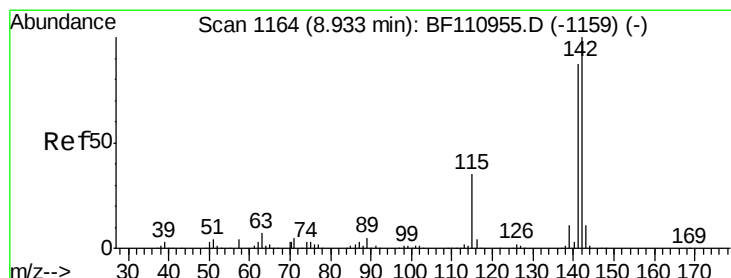
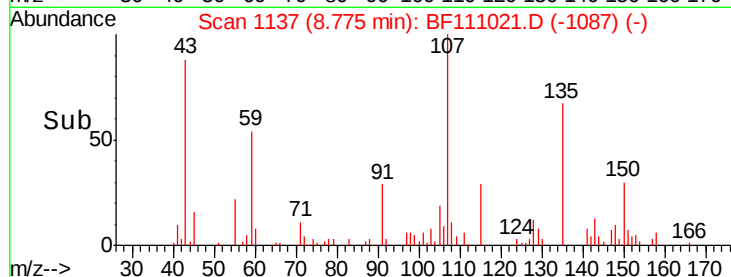
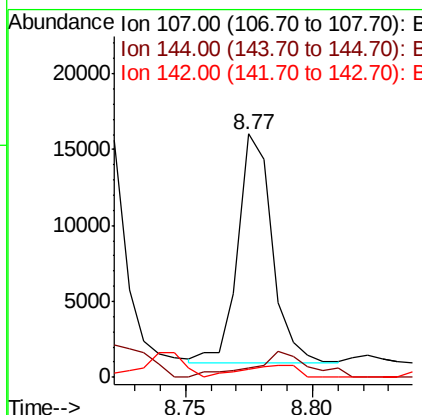
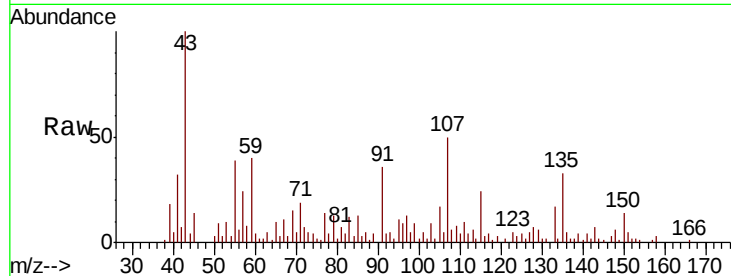




#36
 4-Chloro-3-methylphenol
 Concen: 6.089 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

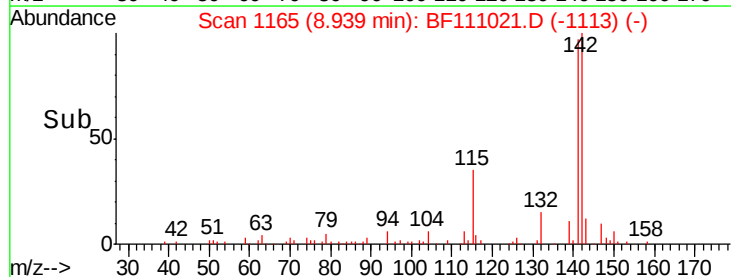
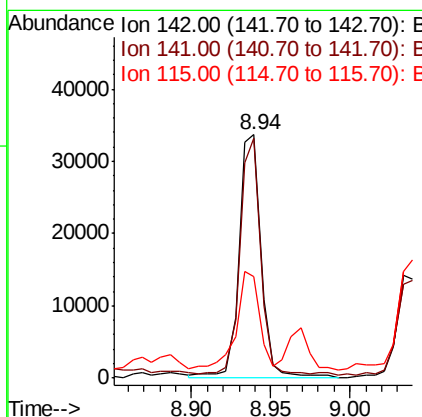
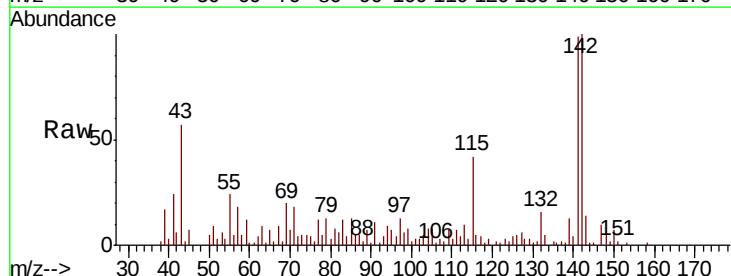
Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

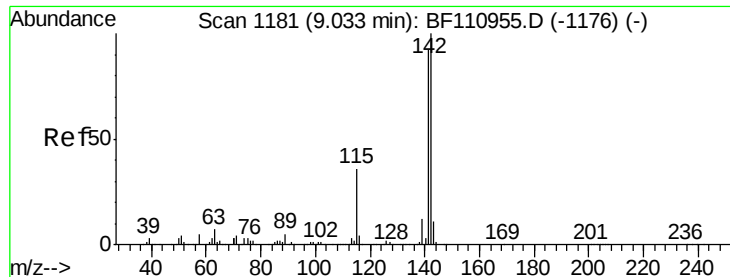
Tgt Ion:107 Resp: 14330
 Ion Ratio Lower Upper
 107 100
 144 4.0 20.0 30.0#
 142 3.4 59.7 89.5#



#37
 2-Methylnaphthalene
 Concen: 6.992 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Tgt Ion:142 Resp: 32870
 Ion Ratio Lower Upper
 142 100
 141 98.6 71.4 107.2
 115 41.9 28.7 43.1

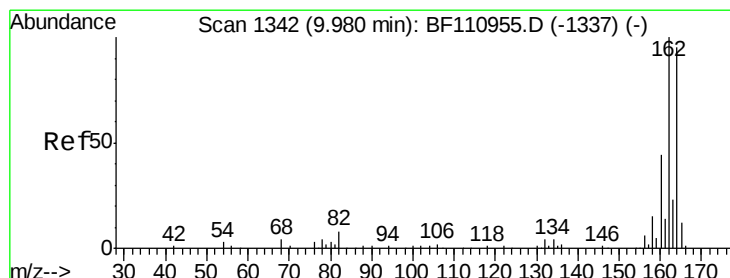
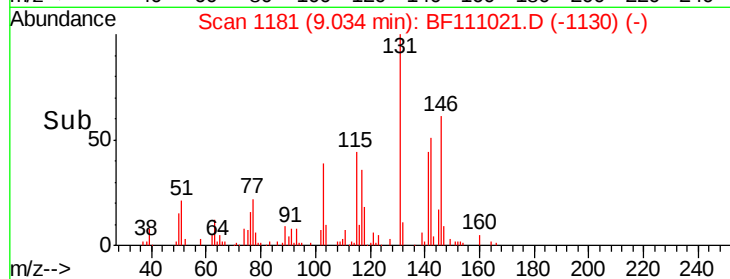
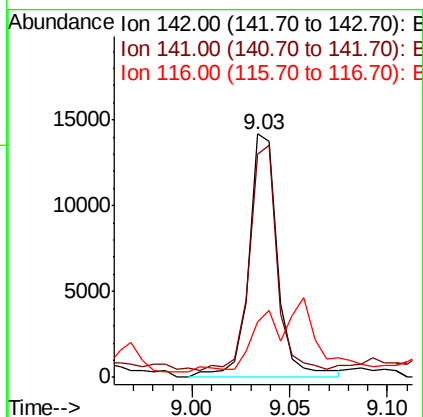
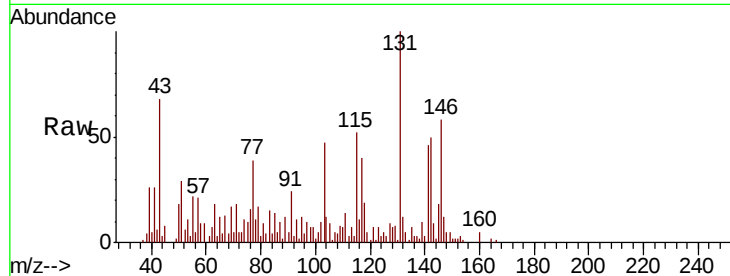




#38
1-Methylnaphthalene
Concen: 3.182 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

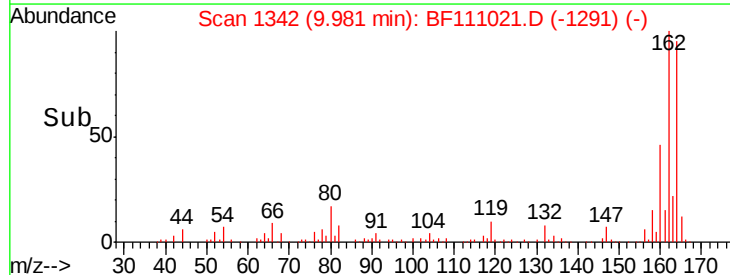
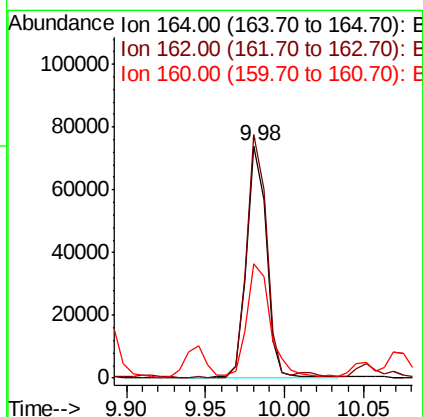
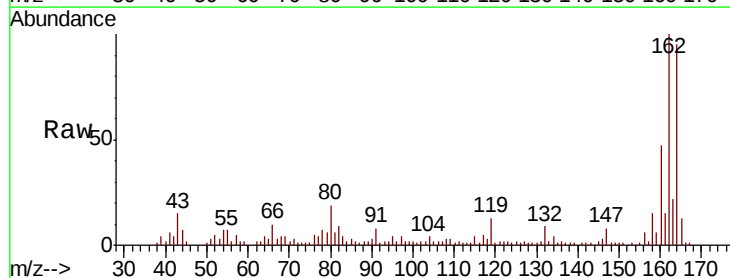
Instrument :
BNA_F
ClientSampleId :
OILY-WATER

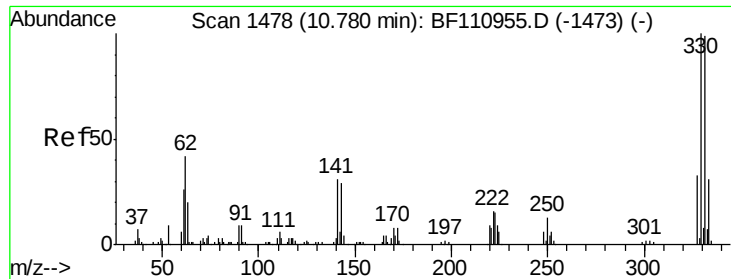
Tgt Ion:142 Resp: 14552
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4
116 22.7 2.6 4.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

Tgt Ion:164 Resp: 64858
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.6
160 49.4 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 4.999 ng

RT: 10.79 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

Instrument :

BNA_F

ClientSampleId :

OILY-WATER

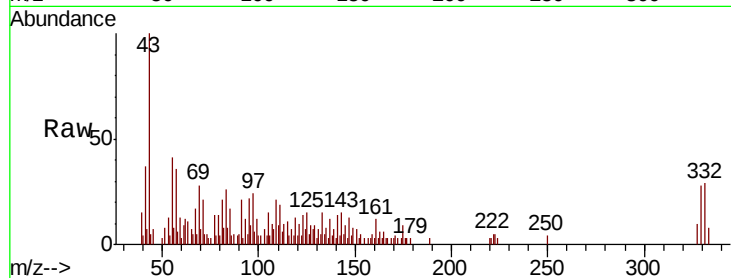
Tgt Ion:330 Resp: 3220

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

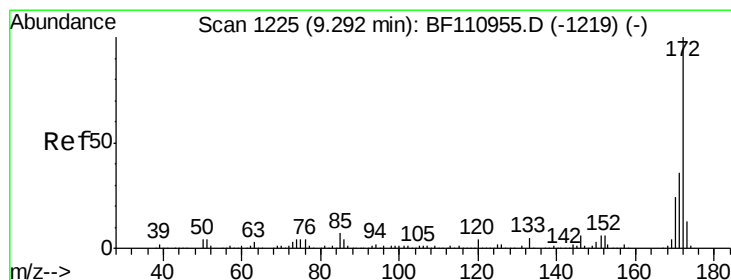
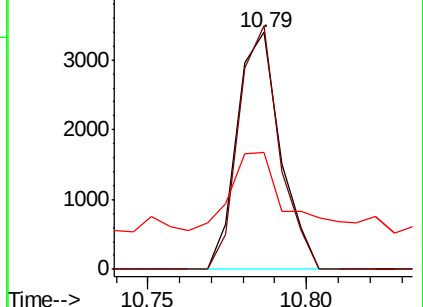
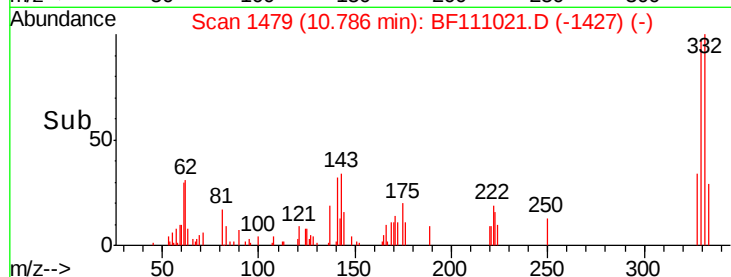
141 45.8 27.0 40.4#



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: 3.603 ng

RT: 9.29 min Scan# 1225

Delta R.T. 0.00 min

Lab File: BF111021.D

Acq: 27 Nov 2018 20:32

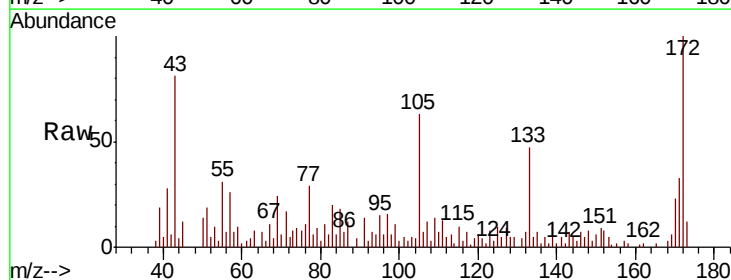
Tgt Ion:172 Resp: 16130

Ion Ratio Lower Upper

172 100

171 33.4 28.6 43.0

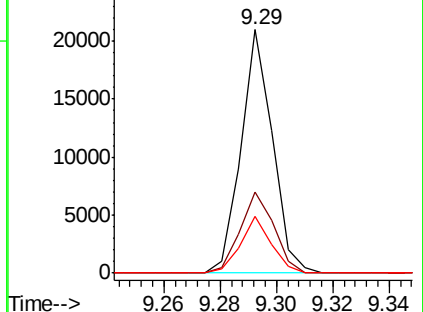
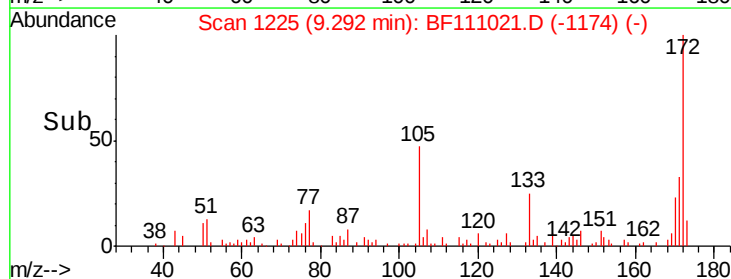
170 23.1 19.7 29.5

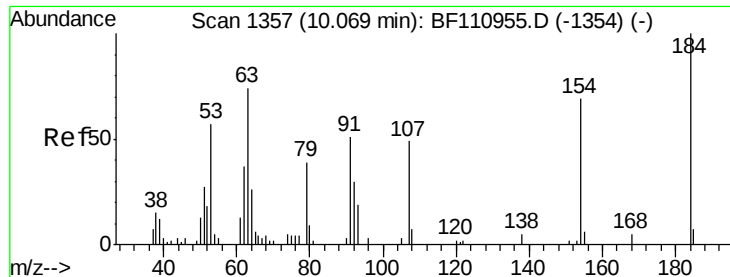


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

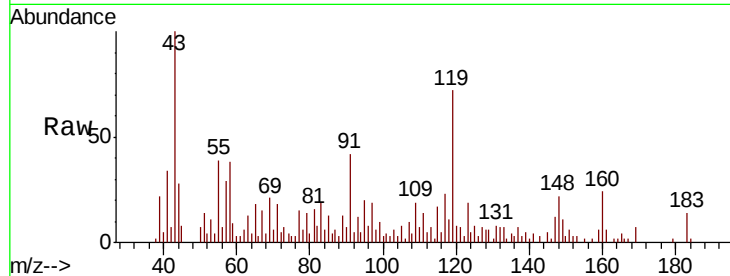




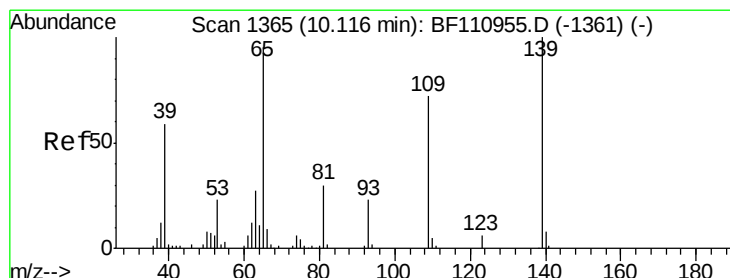
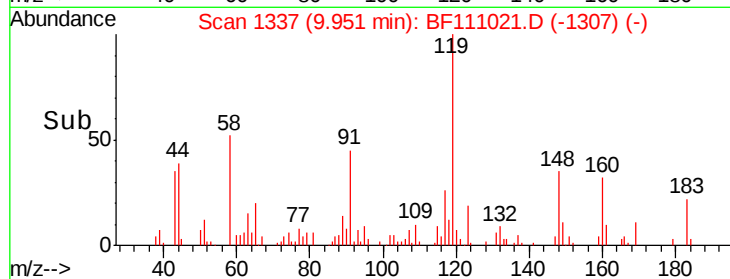
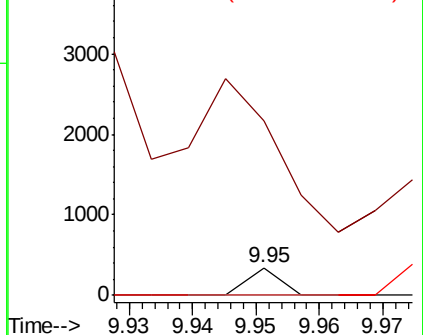
#54
 2,4-Dinitrophenol
 Concen: 4.026 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.12 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

Tgt Ion:184 Resp: 121
 Ion Ratio Lower Upper
 184 100
 63 630.3 55.8 83.6#
 154 0.0 63.2 94.8#

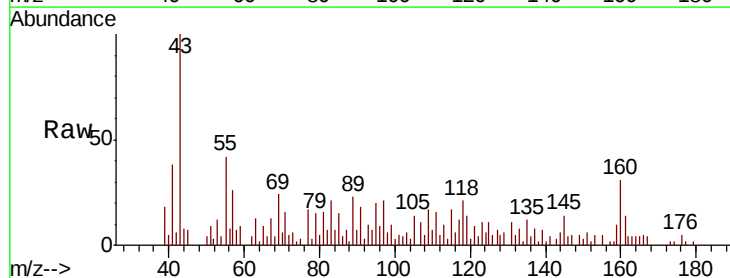


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

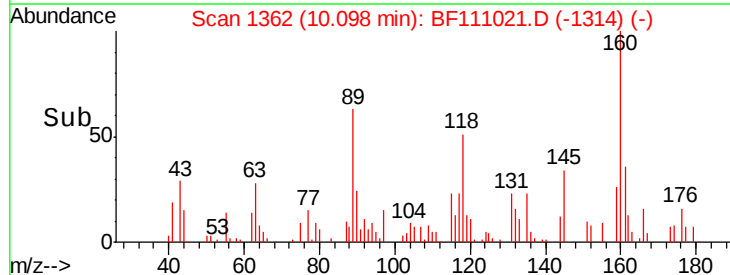
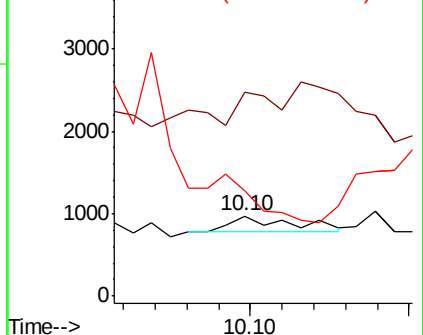


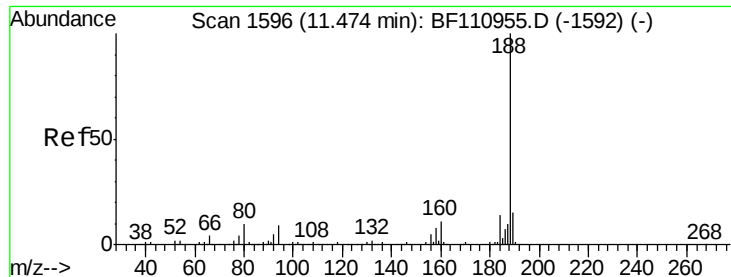
#56
 4-Nitrophenol
 Concen: 4.600 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Tgt Ion:139 Resp: 263
 Ion Ratio Lower Upper
 139 100
 109 255.2 55.8 95.8#
 65 131.5 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

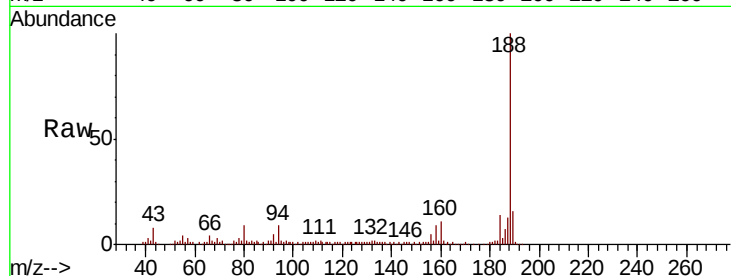




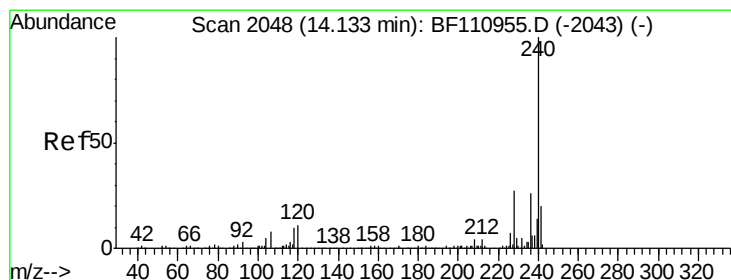
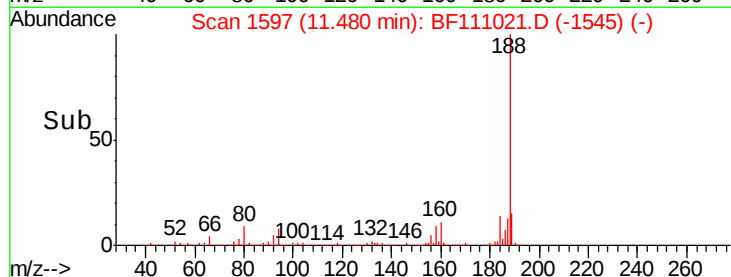
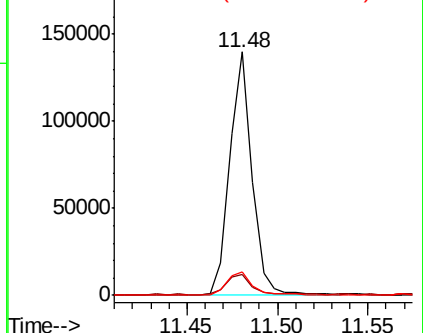
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

Instrument :
BNA_F
ClientSampleId :
OILY-WATER

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.4	7.9	11.9

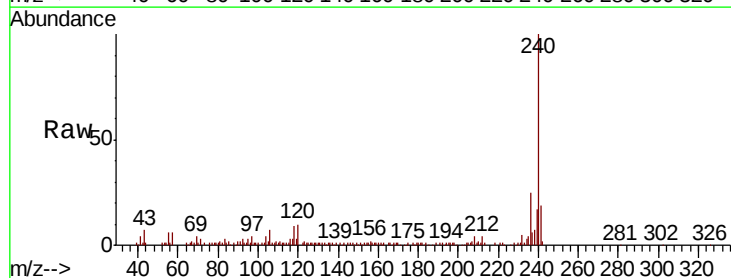


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

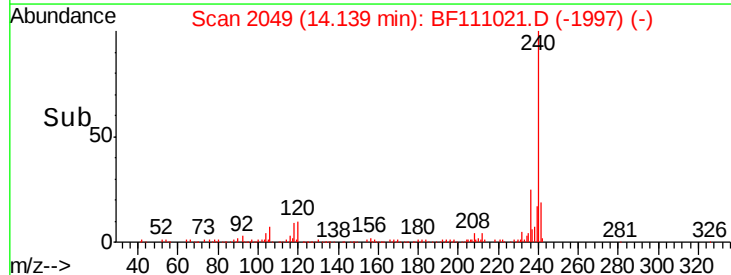
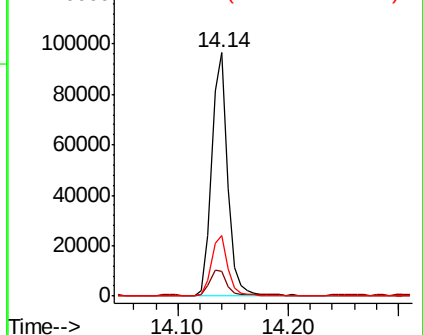


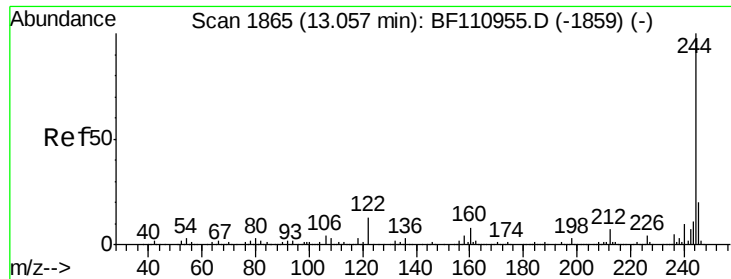
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111021.D
Acq: 27 Nov 2018 20:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	25.1	21.2	31.8



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

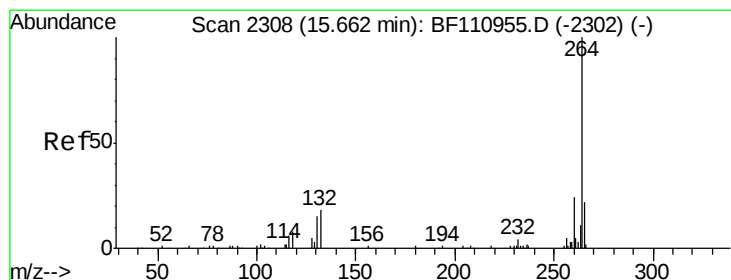
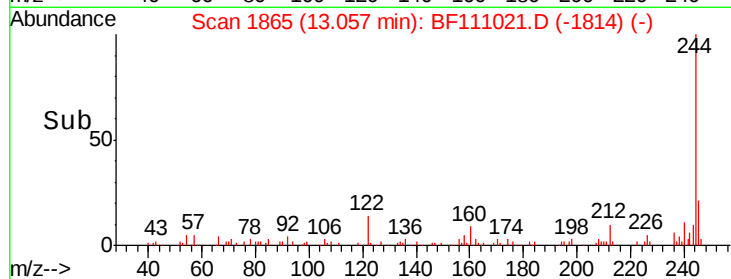
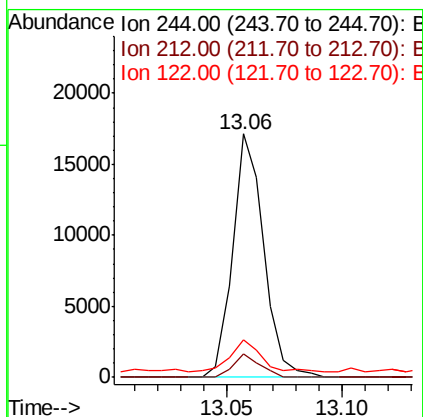
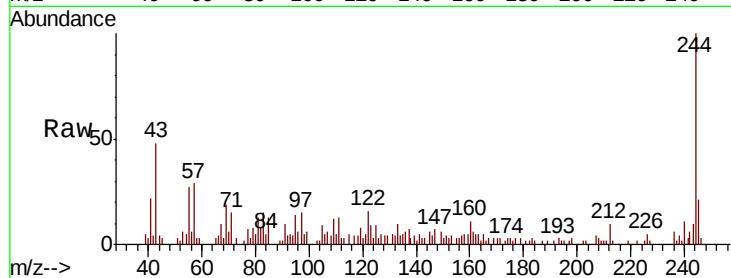




#79
 Terphenyl-d14
 Concen: 3.262 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER

Tgt Ion:244 Resp: 16019
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.8 8.8#
 122 15.6 8.7 13.1#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: BF111021.D
 Acq: 27 Nov 2018 20:32

Tgt Ion:264 Resp: 61717
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 20.9 16.7 25.1

