

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088933.D
 Acq On : 12 Jul 2016 21:58
 Operator : UM/SJ
 Sample : H3934-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

Quant Time: Jul 13 02:17:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	67156	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	247380	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	103305	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	158471	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	126768	20.00	ng	-0.01
86) Perylene-d12	15.21	264	120119	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	456389	101.85	ng	0.01
7) Phenol-d6	6.36	99	641151	110.74	ng	0.01
23) Nitrobenzene-d5	7.27	82	378343	80.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	92630	96.56	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	621874	95.09	ng	0.00
78) Terphenyl-d14	12.80	244	320522	56.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.03	88	210	0.09	ng	# 87
4) n-Nitrosodimethylamine	2.87	42	787	0.32	ng	# 1
6) Aniline	6.34	93	20721	2.46	ng	# 76
9) Benzaldehyde	6.24	77	1371	0.35	ng	# 82
10) Phenol	6.34	94	2794	0.42	ng	# 1
11) bis(2-Chloroethyl)ether	6.48	93	1169	0.24	ng	# 1
15) Benzyl Alcohol	6.86	79	6698	1.57	ng	# 48
17) 2-Methylphenol	7.13	107	248	0.06	ng	# 11
19) n-Nitroso-di-n-propylamine	7.27	70	50104	12.88	ng	# 75
20) 3+4-Methylphenols	7.13	107	248	0.05	ng	# 13
22) Acetophenone	7.11	105	1248	0.21	ng	# 57
24) Nitrobenzene	7.27	77	1383	0.29	ng	# 23
25) Isophorone	7.27	82	339426	38.82	ng	# 65
27) 2,4-Dimethylphenol	7.71	122	514	0.13	ng	# 7
31) Naphthalene	8.01	128	13896	1.14	ng	# 99
32) Benzoic acid	7.71	122	514	0.17	ng	# 30
33) 4-Chloroaniline	8.01	127	1611	0.30	ng	# 29
35) Caprolactam	8.43	113	352	0.32	ng	# 60
37) 2-Methylnaphthalene	8.71	142	9035	1.15	ng	# 93
45) 1,1'-Biphenyl	9.16	154	1880	0.22	ng	# 97
46) 2-Chloronaphthalene	9.27	162	273	0.04	ng	# 36
47) 2-Nitroaniline	9.46	65	1207	0.51	ng	# 1
48) Acenaphthylene	9.60	152	26434	2.47	ng	# 98
49) Dimethylphthalate	9.46	163	109337	14.86	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	1283	0.79	ng	# 1
51) Acenaphthene	9.77	154	635	0.10	ng	# 88
54) Dibenzofuran	9.94	168	4671	0.54	ng	# 86
55) 4-Nitrophenol	9.94	139	1607	1.02	ng	# 5
56) 2,4-Dinitrotoluene	9.74	165	13560	6.36	ng	# 39
57) Fluorene	10.28	166	1245	0.19	ng	# 66
59) Diethylphthalate	10.17	149	535	0.07	ng	# 60
62) Azobenzene	10.44	77	1143	0.14	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	217	0.26	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	1234	0.23	ng	# 24

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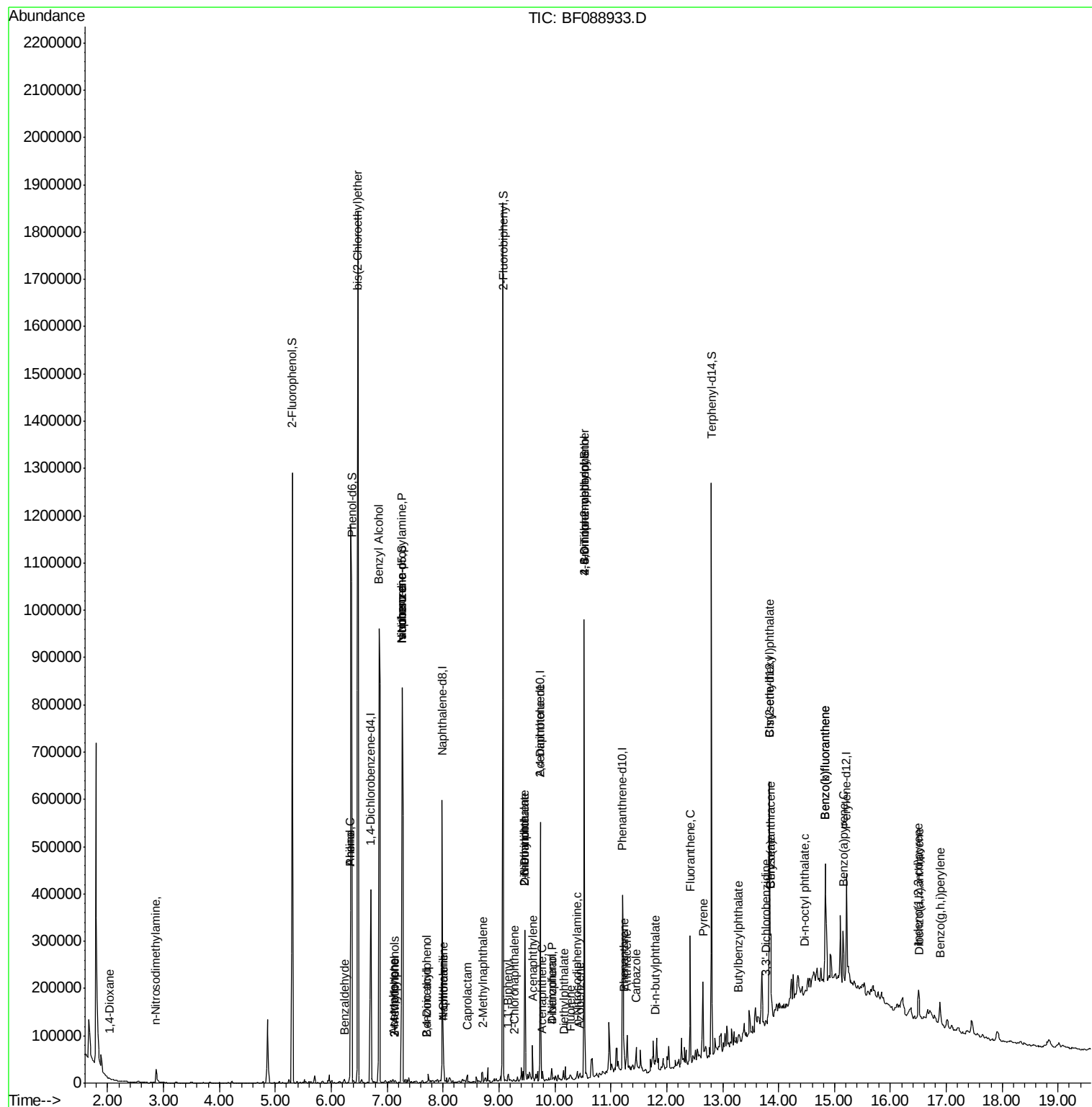
66) 4-Bromophenyl-phenylether	10.52	248	6739	4.22	ng	# 1
70) Phenanthrene	11.23	178	27892	3.22	ng	98
71) Anthracene	11.29	178	24863	2.89	ng	97
72) Carbazole	11.45	167	9395	1.16	ng	97
73) Di-n-butylphthalate	11.79	149	2438	0.26	ng	# 80
74) Fluoranthene	12.42	202	103232	11.75	ng	96
77) Pyrene	12.65	202	89690	8.34	ng	99
79) Butylbenzylphthalate	13.28	149	671	0.14	ng	# 26
80) Benzo(a)anthracene	13.86	228	132990	16.29	ng	95
81) 3,3'-Dichlorobenzidine	13.77	252	207	0.07	ng	# 1
82) Chrysene	13.86	228	132990	16.47	ng	97
83) Bis(2-ethylhexyl)phthalate	13.84	149	7527	1.38	ng	# 97
84) Di-n-octyl phthalate	14.47	149	551	0.06	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.50	276	37083	5.97	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	159462	21.16	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	159462	24.31	ng	97
89) Benzo(a)pyrene	15.15	252	49944	7.83	ng	94
90) Dibenzo(a,h)anthracene	16.51	278	12311	2.31	ng	# 81
91) Benzo(g,h,i)perylene	16.89	276	33987	6.17	ng	96

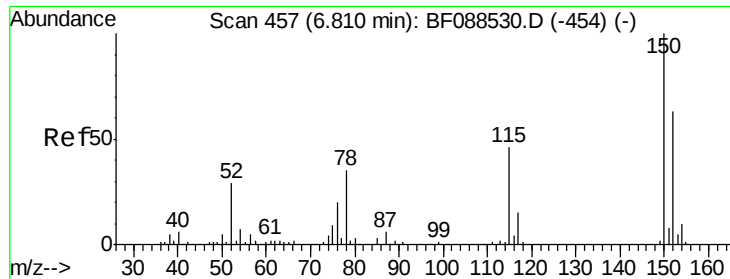
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

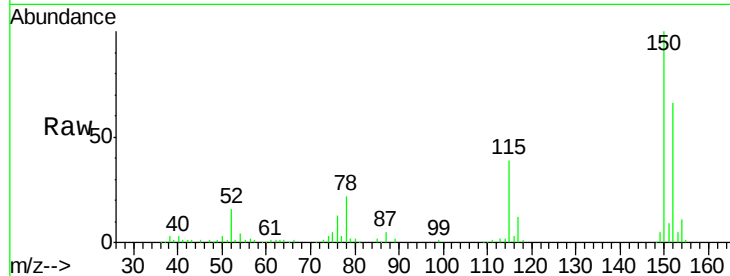
Tgt Ion:152 Resp: 67156

Ion Ratio Lower Upper

152 100

150 152.0 123.8 185.6

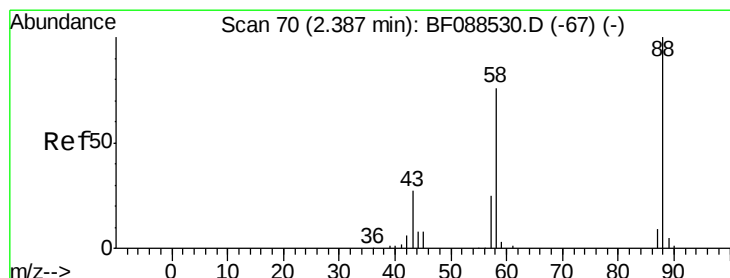
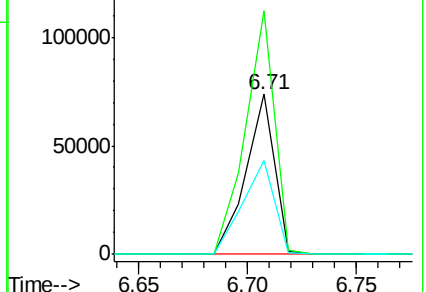
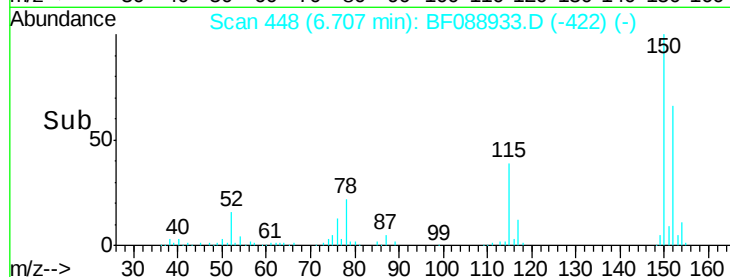
115 58.6 39.6 59.4



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: 0.09 ng

RT: 2.03 min Scan# 39

Delta R.T. -0.18 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

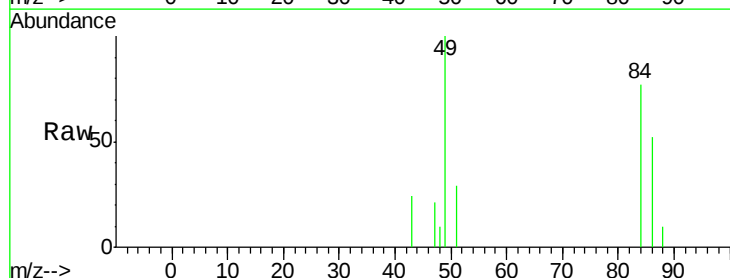
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

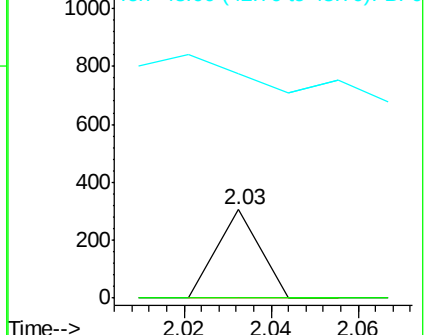
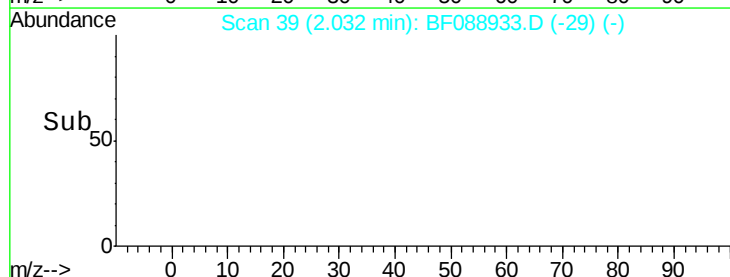
43 0.0 3.4 5.2#

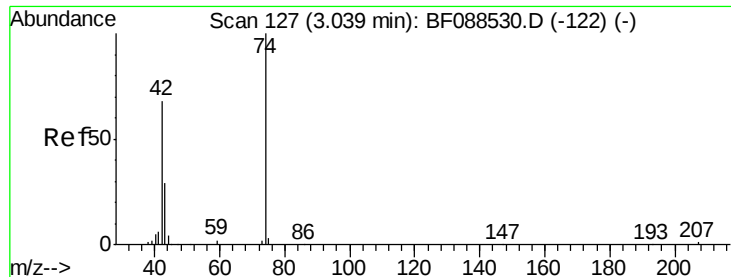


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 2.87 min Scan# 112

Delta R.T. 0.03 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

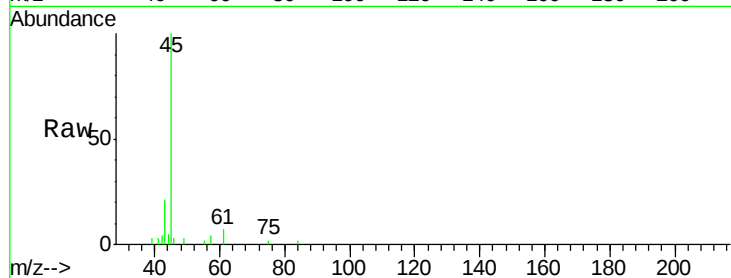
Tgt Ion: 42 Resp: 787

Ion Ratio Lower Upper

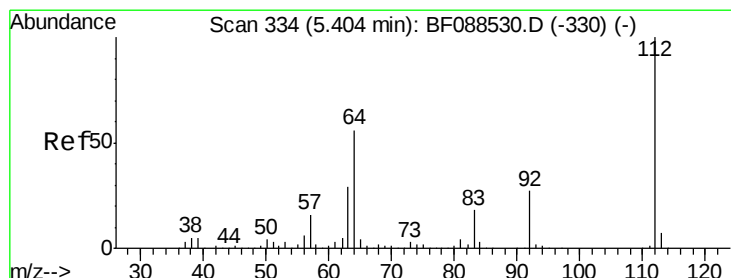
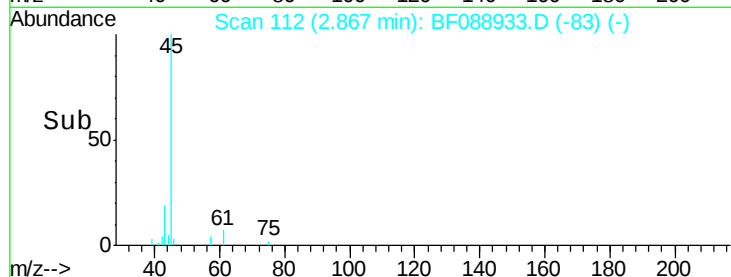
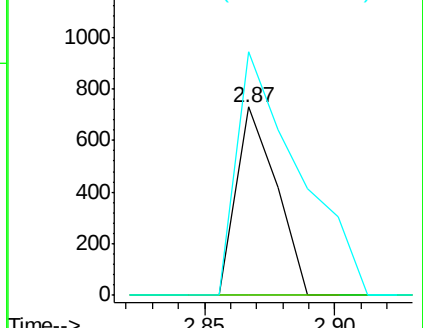
42 100

74 0.0 108.6 163.0#

44 129.4 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 101.85 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

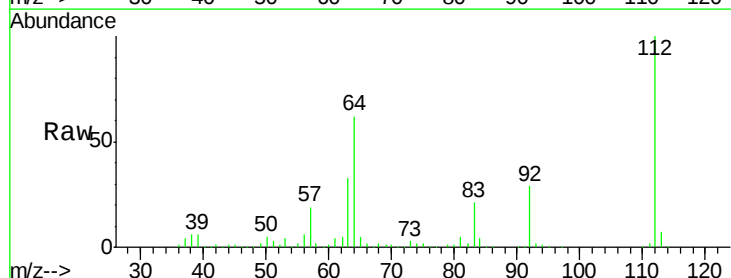
Tgt Ion: 112 Resp: 456389

Ion Ratio Lower Upper

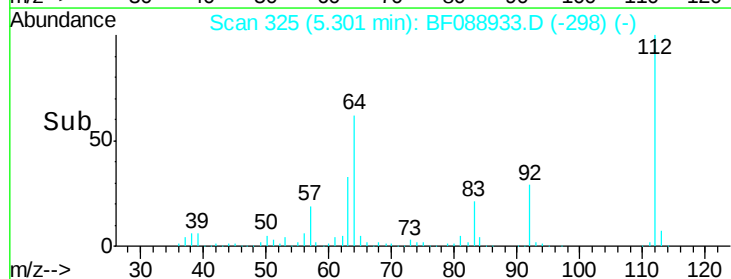
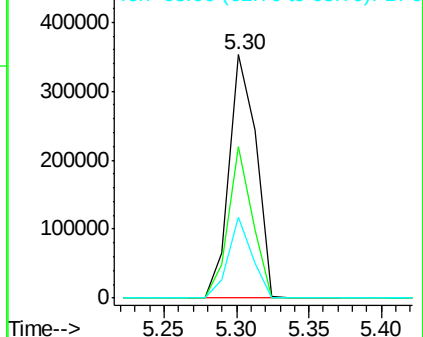
112 100

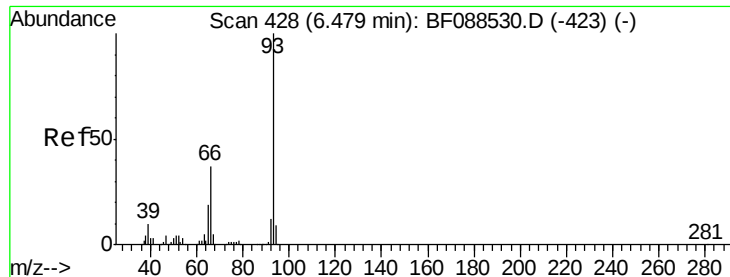
64 62.0 42.2 63.2

63 33.3 21.8 32.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.46 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

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C2.3-02

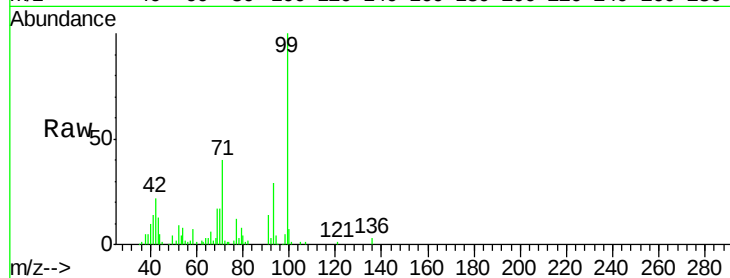
Tgt Ion: 93 Resp: 20721

Ion Ratio Lower Upper

93 100

66 21.3 29.8 44.8#

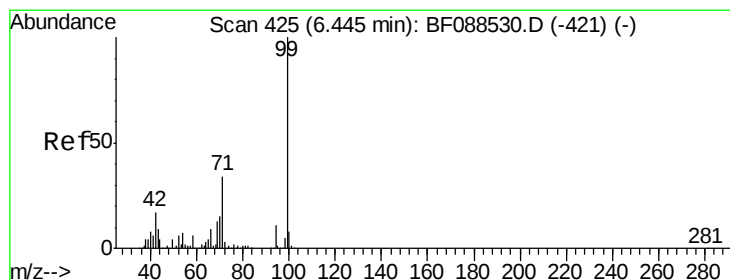
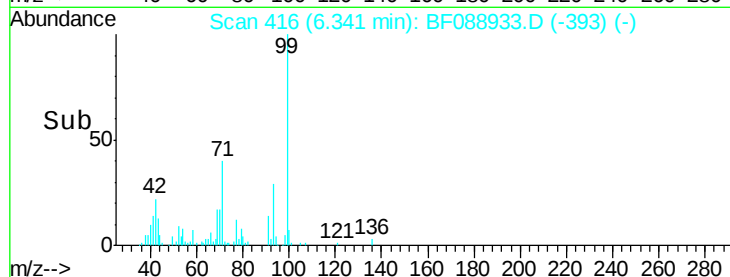
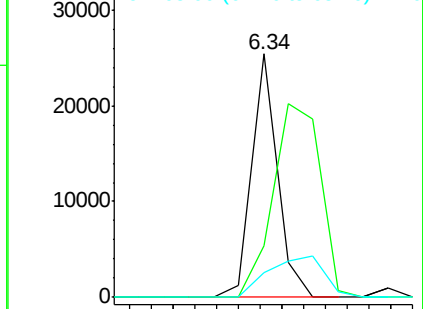
65 10.3 14.9 22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 110.74 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

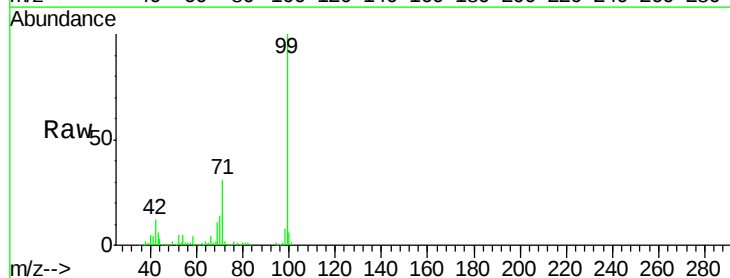
Tgt Ion: 99 Resp: 641151

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

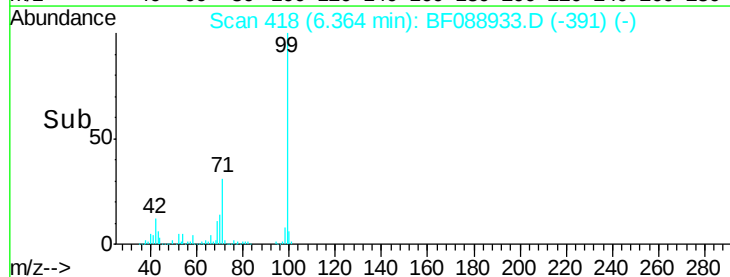
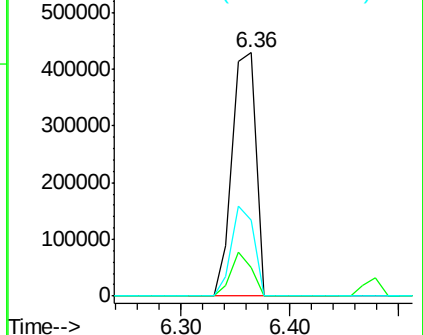
71 30.9 23.4 35.0

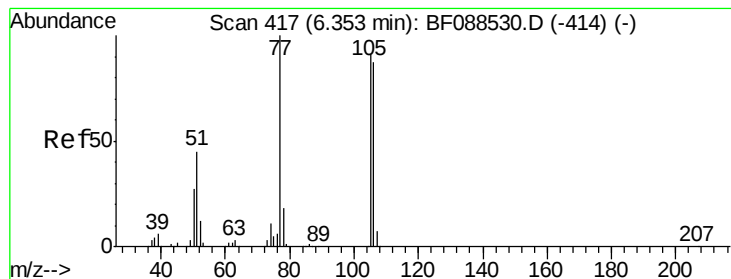


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.35 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

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ClientSampleId :

C2.3-02

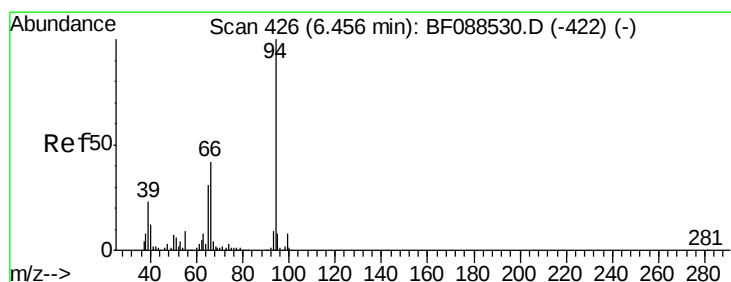
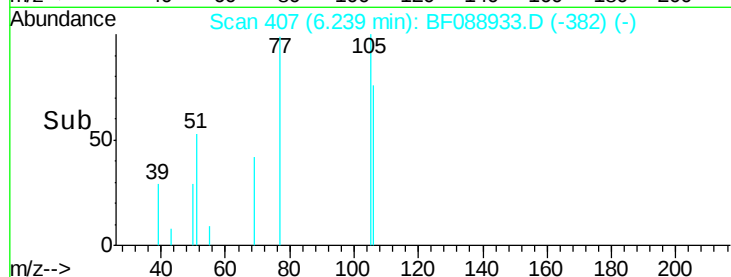
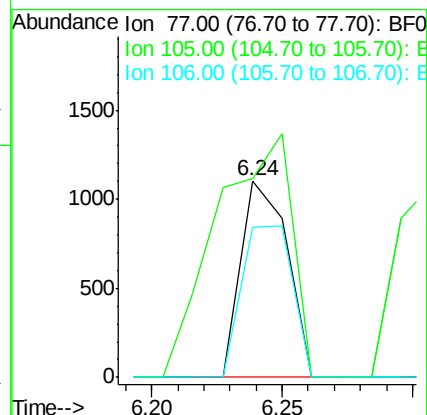
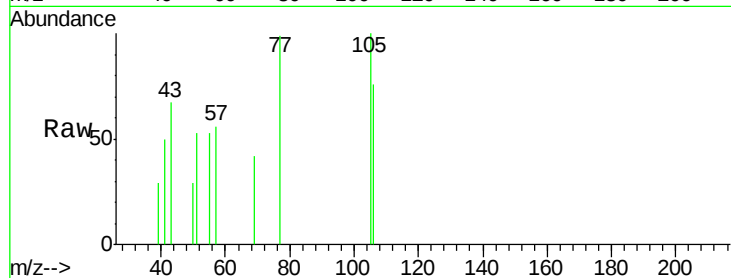
Tgt Ion: 77 Resp: 1371

Ion Ratio Lower Upper

77 100

105 101.2 90.6 130.6

106 76.5 85.3 125.3#



#10

Phenol

Concen: 0.42 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

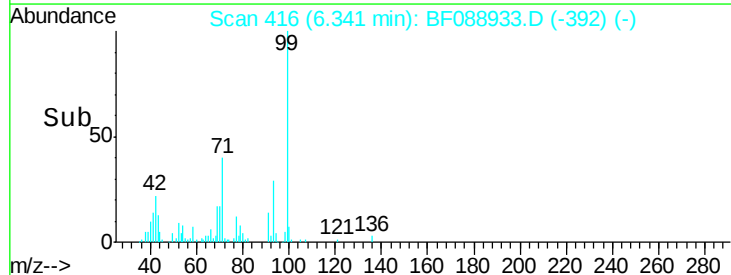
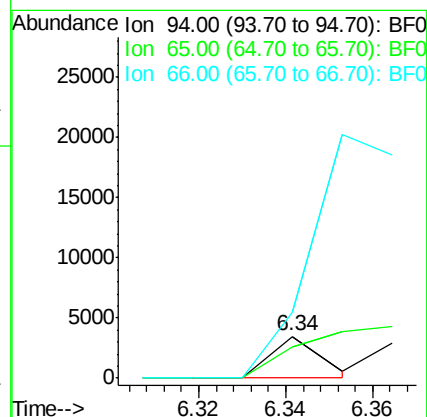
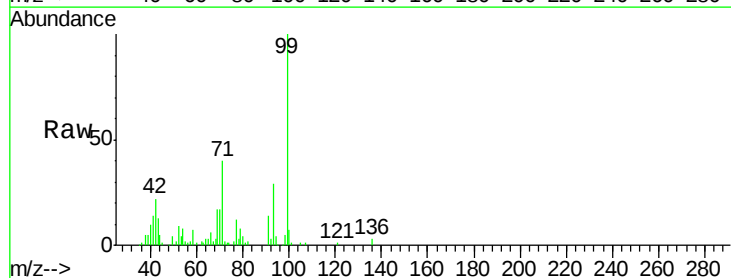
Tgt Ion: 94 Resp: 2794

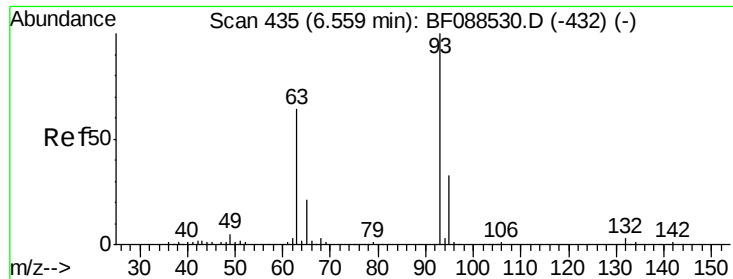
Ion Ratio Lower Upper

94 100

65 75.2 5.9 45.9#

66 156.3 14.0 54.0#

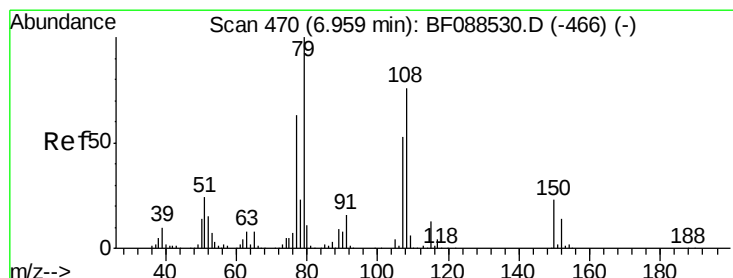
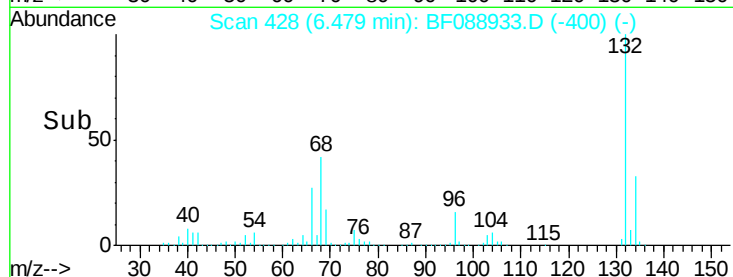
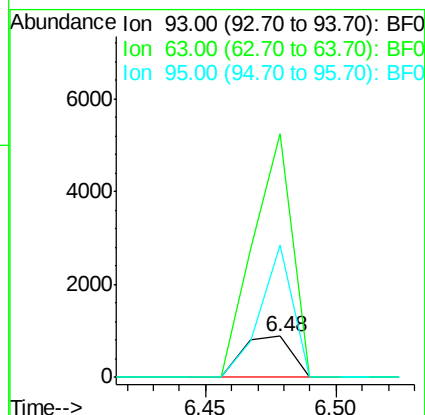
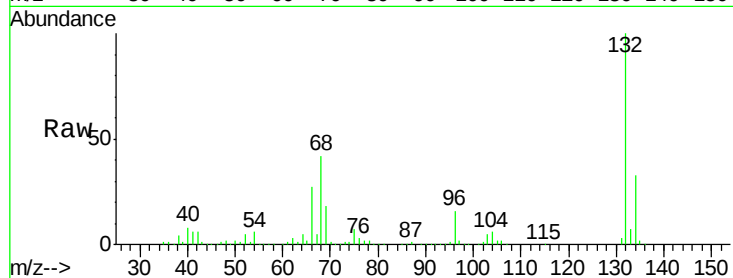




#11
bis(2-Chloroethyl)ether
Concen: 0.24 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.02 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

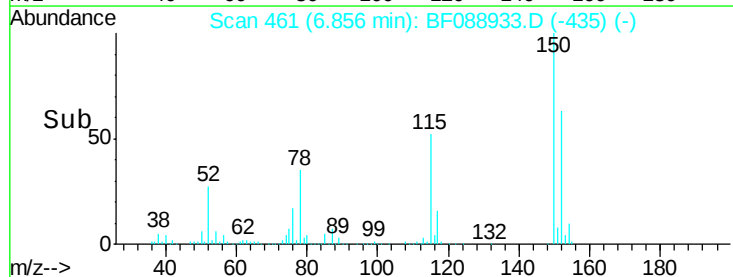
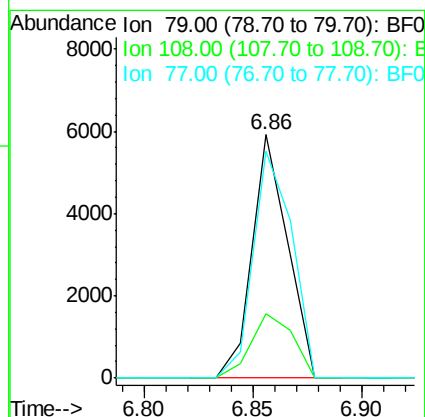
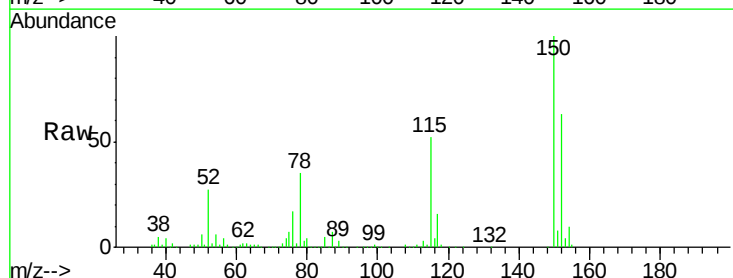
Instrument :
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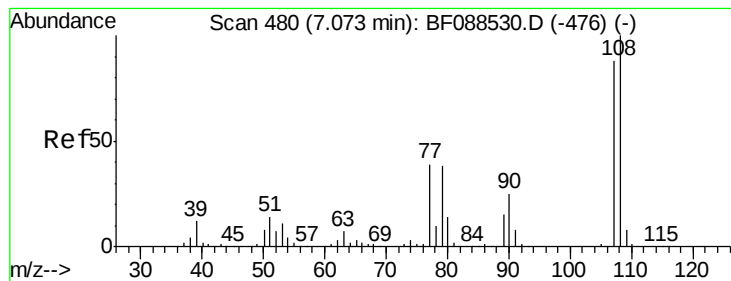
Tgt Ion: 93 Resp: 1169
Ion Ratio Lower Upper
93 100
63 589.6 67.6 107.6#
95 321.5 12.5 52.5#



#15
Benzyl Alcohol
Concen: 1.57 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.00 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion: 79 Resp: 6698
Ion Ratio Lower Upper
79 100
108 26.3 65.0 97.6#
77 93.5 50.3 75.5#





#17

2-Methylphenol

Concen: 0.06 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.15 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

Tgt Ion: 107 Resp: 248

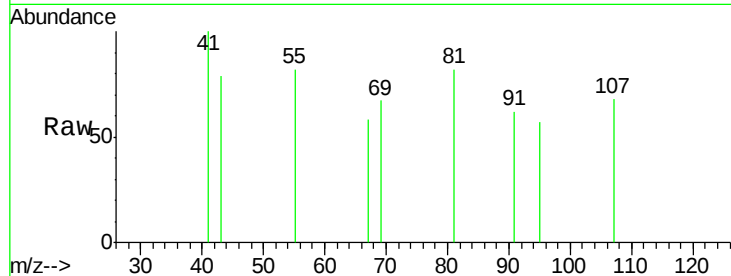
Ion Ratio Lower Upper

107 100

108 0.0 90.9 136.3#

77 0.0 36.6 55.0#

79 0.0 36.5 54.7#

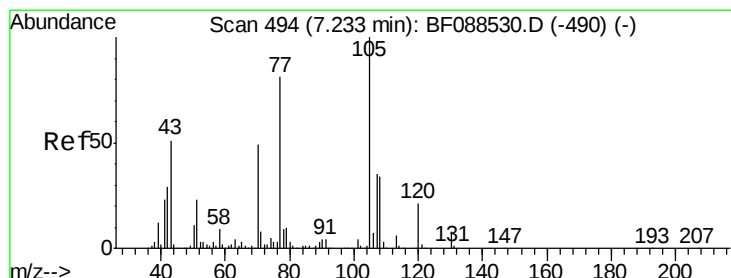
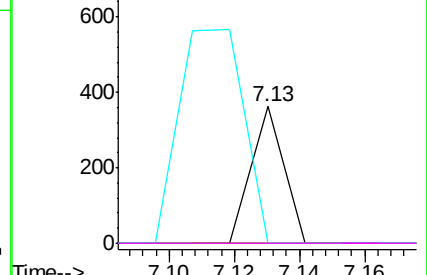
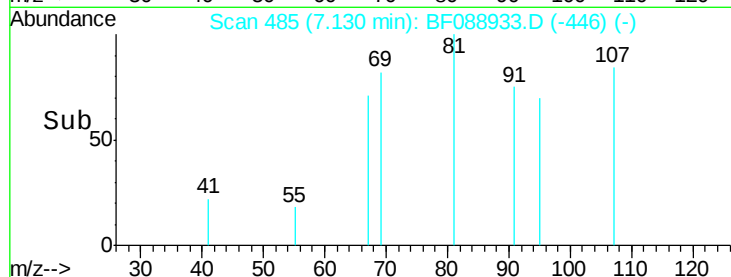


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.88 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Tgt Ion: 70 Resp: 50104

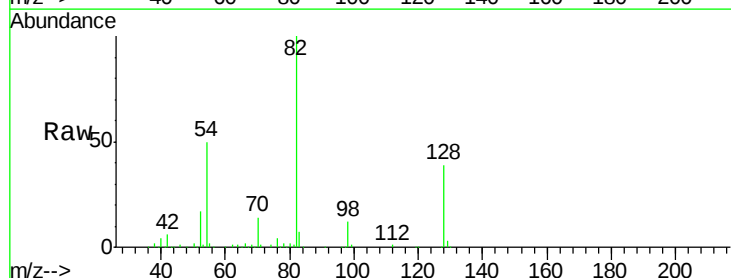
Ion Ratio Lower Upper

70 100

42 46.2 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#

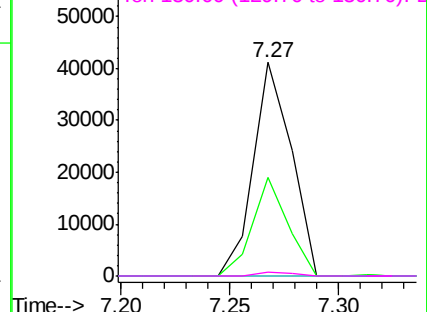
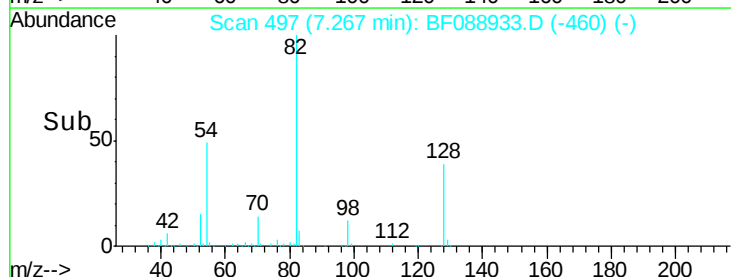


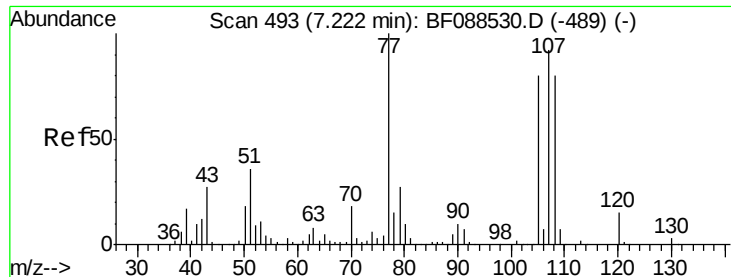
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

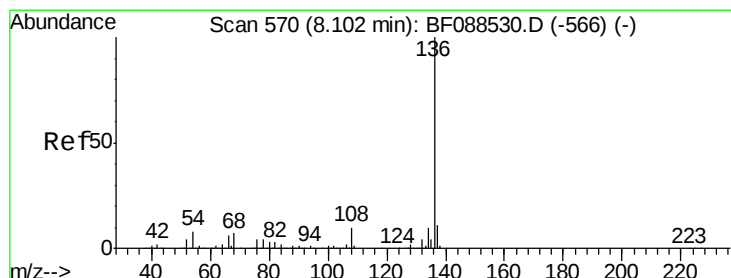
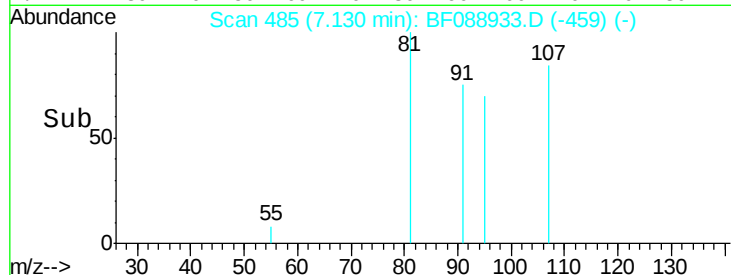
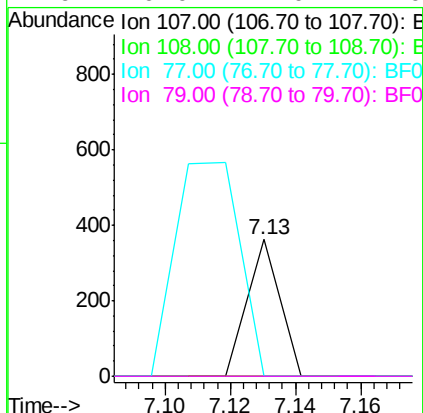
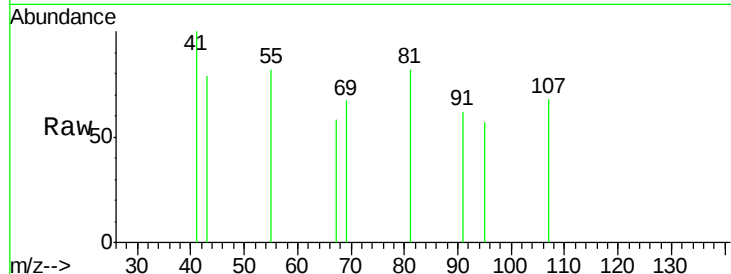




#20
 3+4-Methylphenols
 Concen: 0.05 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

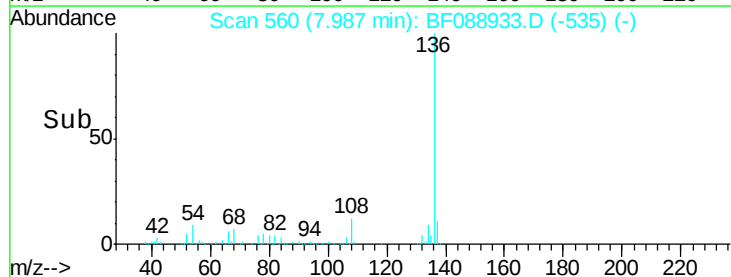
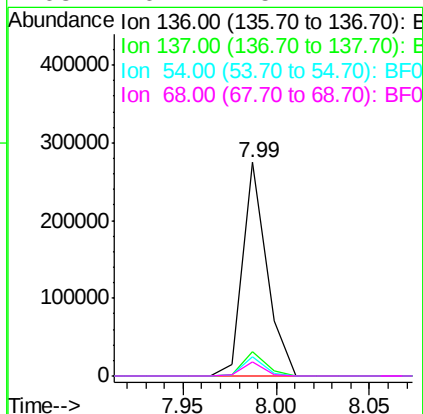
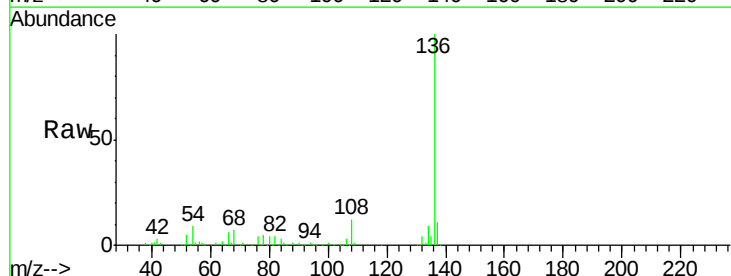
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

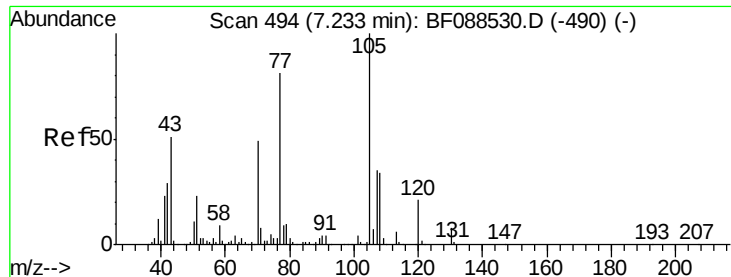
Tgt Ion:107 Resp: 248
 Ion Ratio Lower Upper
 107 100
 108 0.0 67.8 107.8#
 77 0.0 59.3 99.3#
 79 0.0 7.0 47.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion:136 Resp: 247380
 Ion Ratio Lower Upper
 136 100
 137 11.1 9.1 13.7
 54 8.9 6.6 10.0
 68 6.7 5.1 7.7





#22

Acetophenone

Concen: 0.21 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

Tgt Ion: 105 Resp: 1248

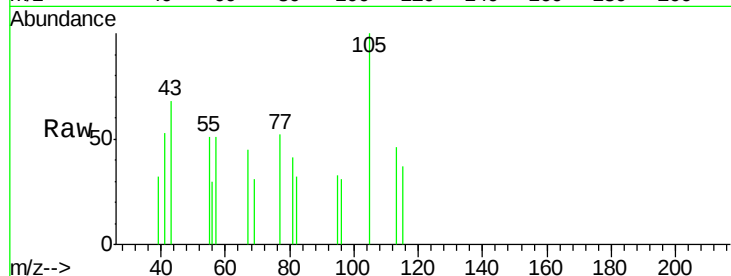
Ion Ratio Lower Upper

105 100

71 0.0 5.3 7.9#

51 0.0 18.2 27.4#

120 0.0 18.0 27.0#



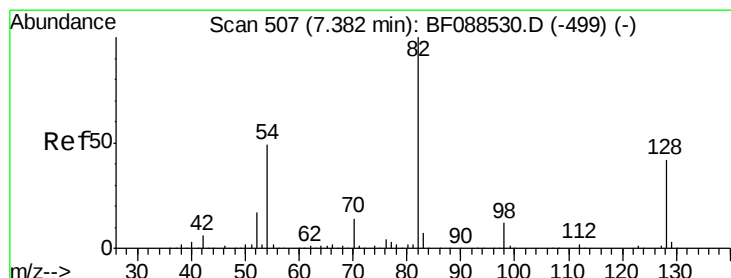
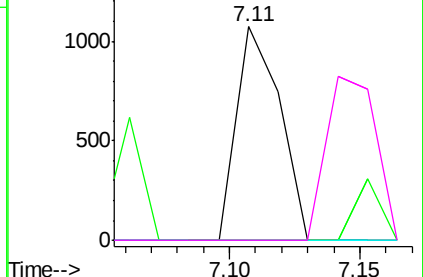
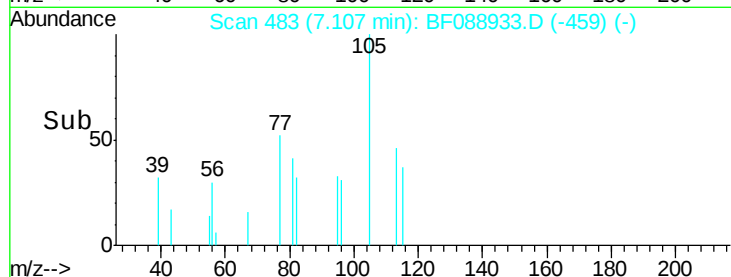
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 80.15 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

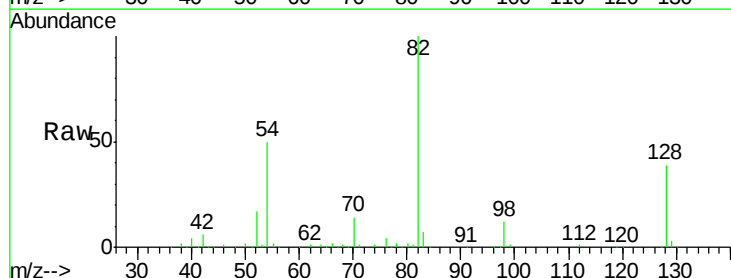
Tgt Ion: 82 Resp: 378343

Ion Ratio Lower Upper

82 100

128 38.6 35.9 53.9

54 49.6 40.9 61.3

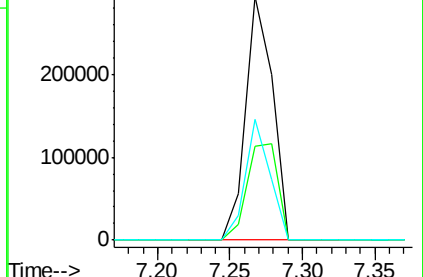
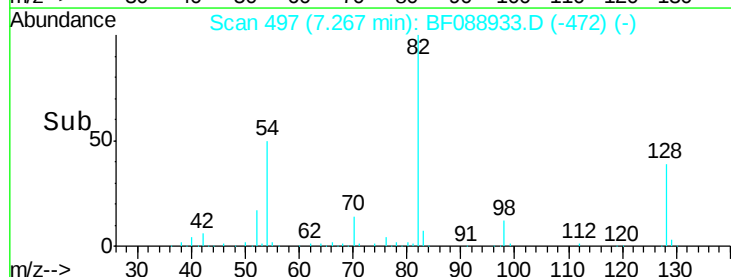


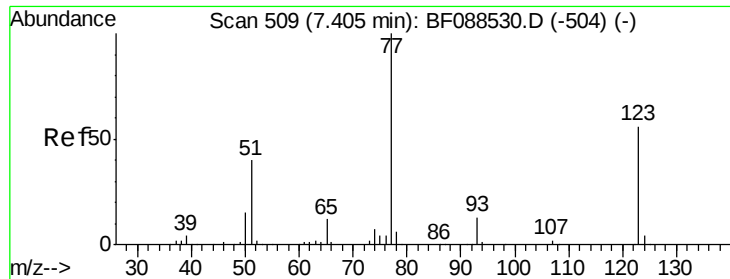
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#24

Nitrobenzene

Concen: 0.29 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.03 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampled :

C2.3-02

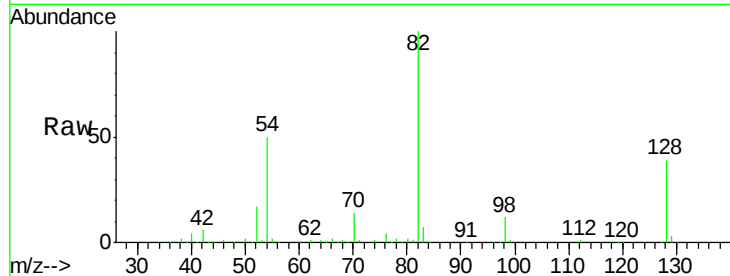
Tgt Ion: 77 Resp: 1383

Ion Ratio Lower Upper

77 100

123 0.0 45.0 67.4#

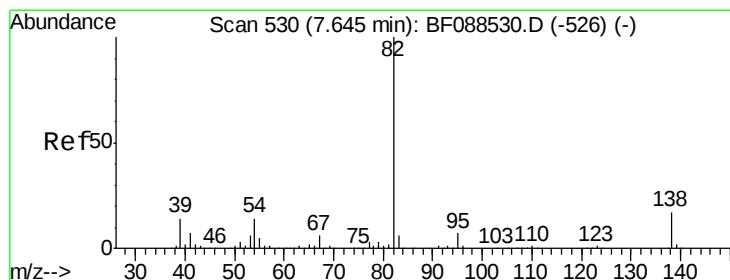
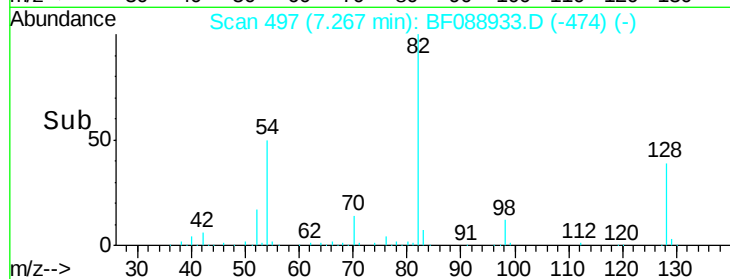
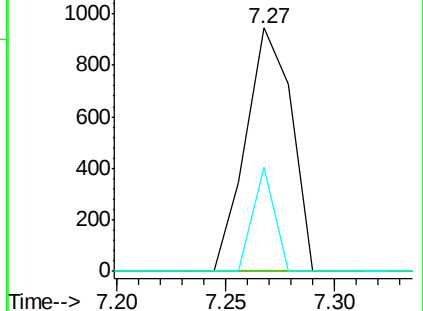
65 42.5 10.2 15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 38.82 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

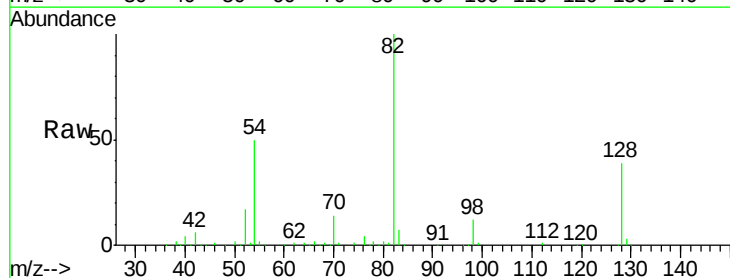
Tgt Ion: 82 Resp: 339426

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

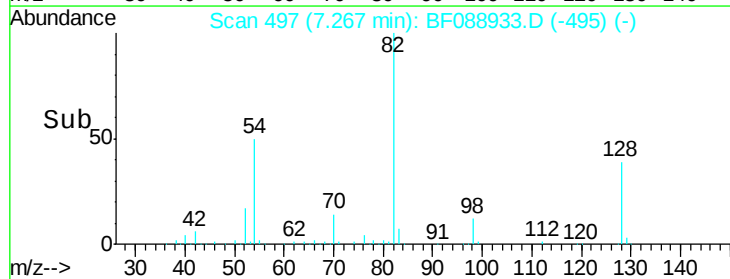
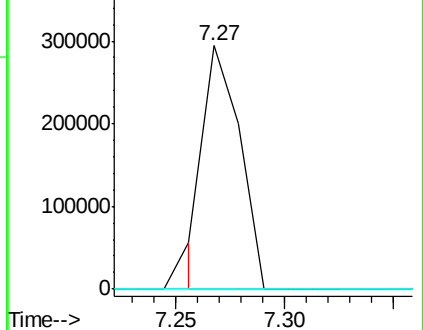
138 0.0 14.6 21.8#

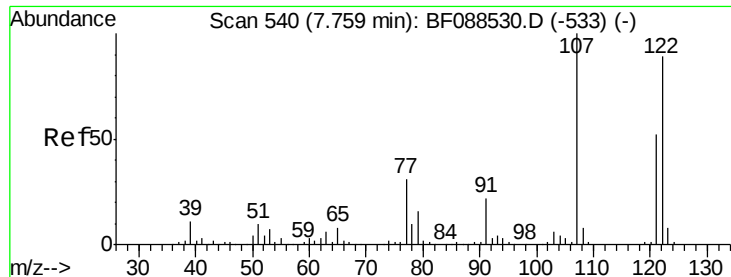


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

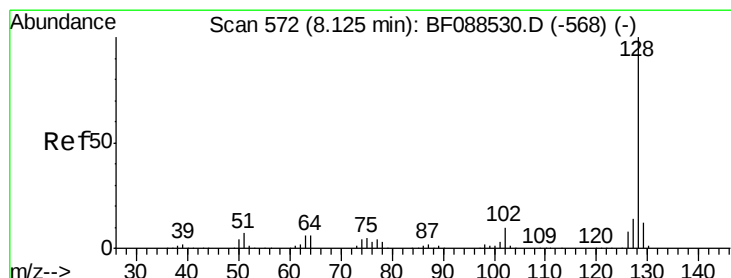
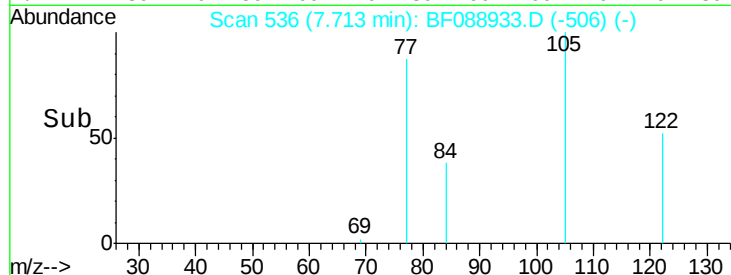
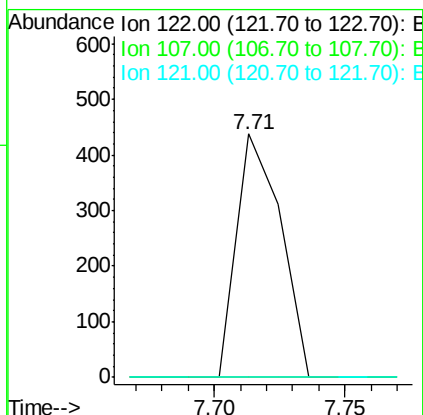
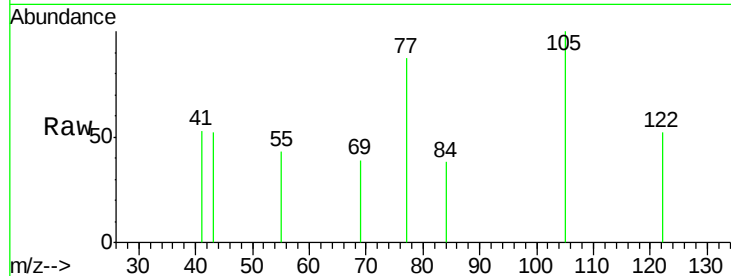




#27
2,4-Dimethylphenol
Concen: 0.13 ng
RT: 7.71 min Scan# 536
Delta R.T. 0.05 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

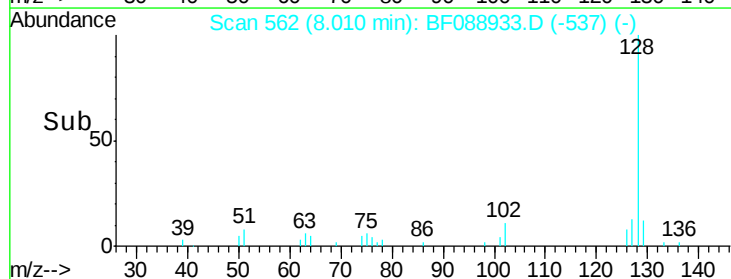
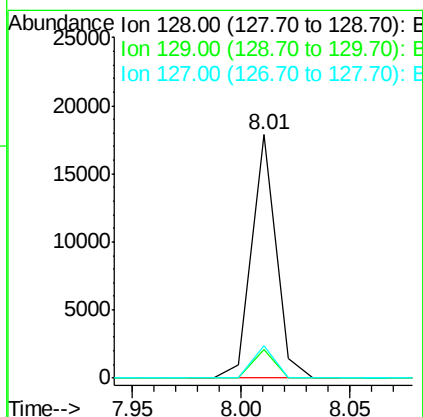
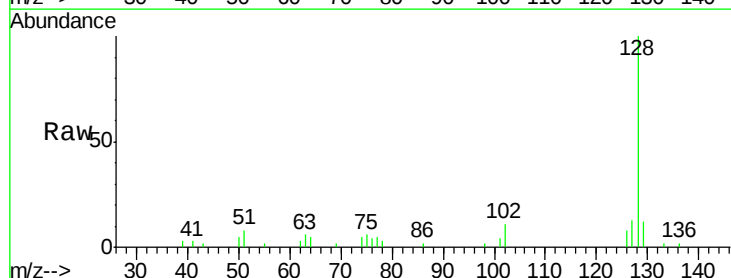
Instrument :
BNA_F
ClientSampleId :
C2.3-02

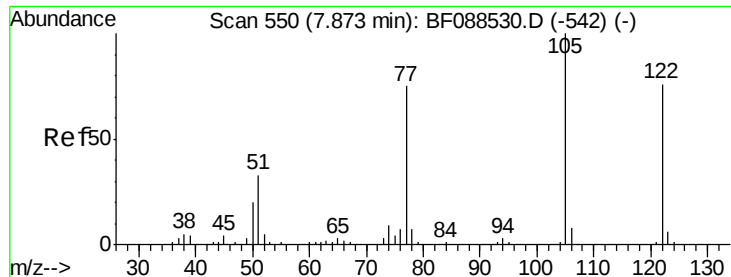
Tgt Ion:122 Resp: 514
Ion Ratio Lower Upper
122 100
107 0.0 82.4 123.6#
121 0.0 46.3 69.5#



#31
Naphthalene
Concen: 1.14 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion:128 Resp: 13896
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.2
127 13.1 10.9 16.3

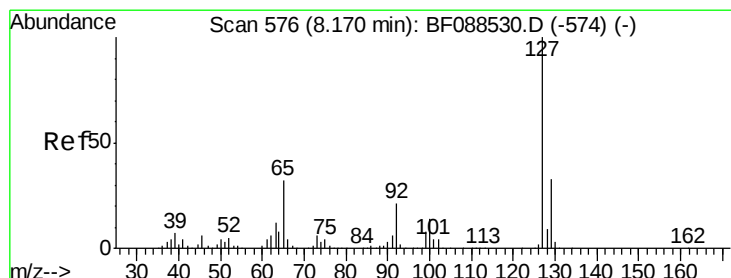
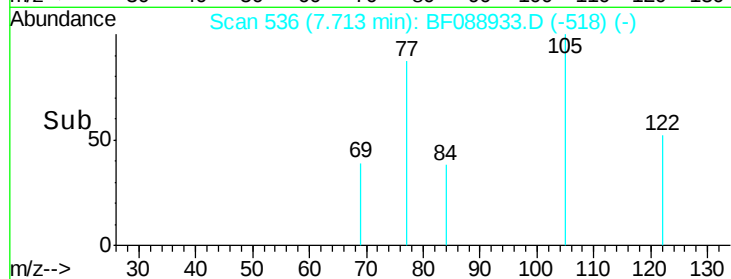
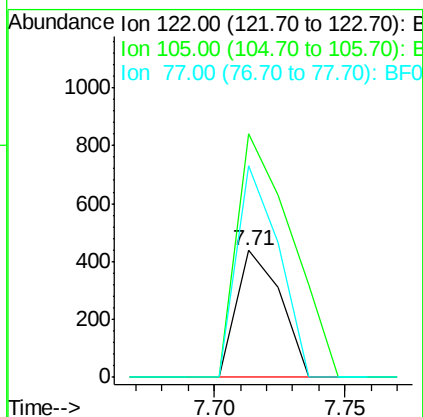
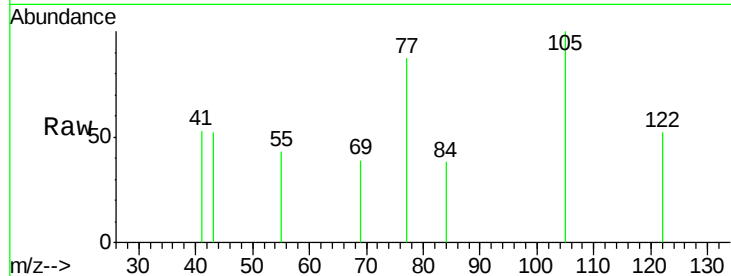




#32
Benzoic acid
Concen: 0.17 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.09 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

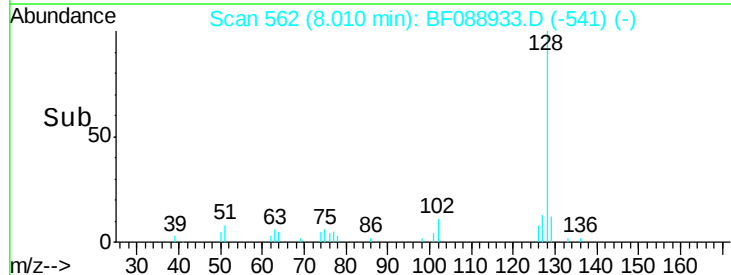
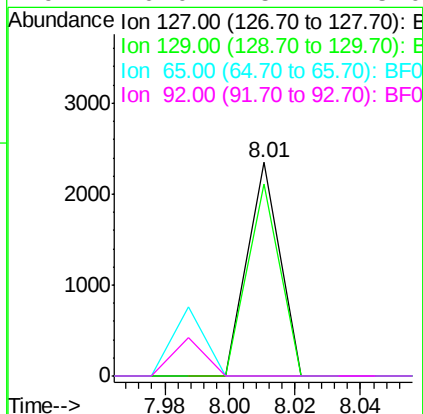
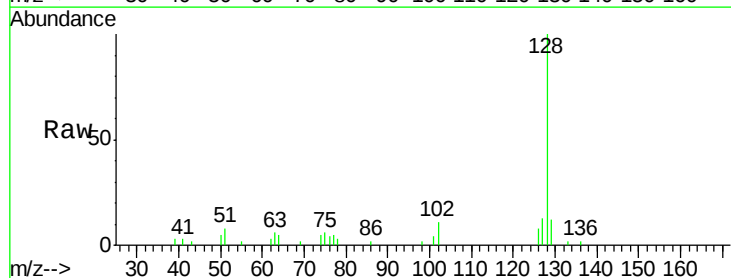
Instrument :
BNA_F
ClientSampleId :
C2.3-02

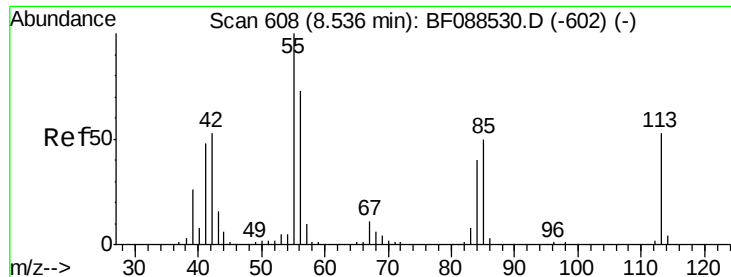
Tgt Ion:122 Resp: 514
Ion Ratio Lower Upper
122 100
105 192.0 101.6 141.6#
77 166.7 70.6 110.6#



#33
4-Chloroaniline
Concen: 0.30 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.06 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion:127 Resp: 1611
Ion Ratio Lower Upper
127 100
129 89.9 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#





#35

Caprolactam

Concen: 0.32 ng

RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

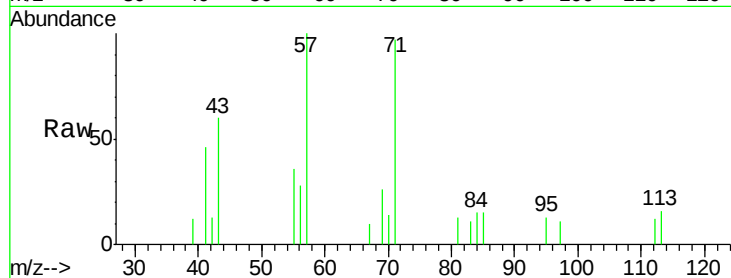
Tgt Ion:113 Resp: 352

Ion Ratio Lower Upper

113 100

55 233.1 158.6 198.6#

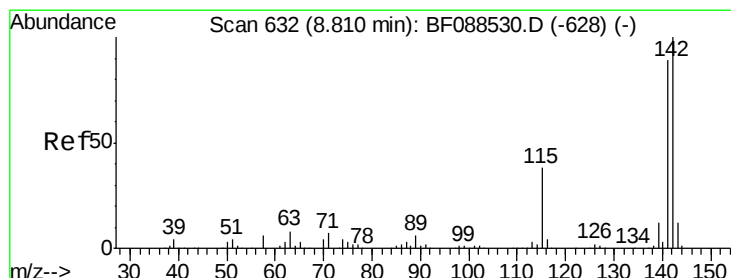
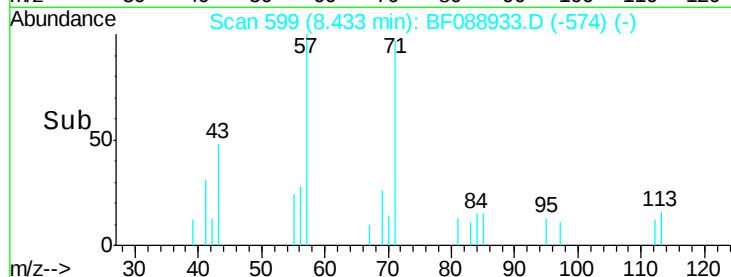
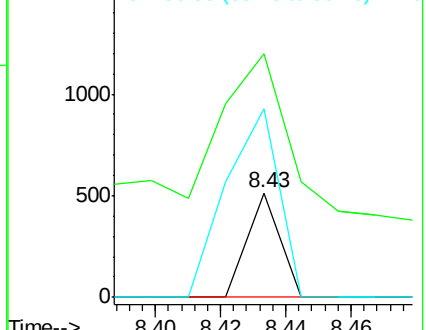
56 180.9 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 1.15 ng

RT: 8.71 min Scan# 623

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

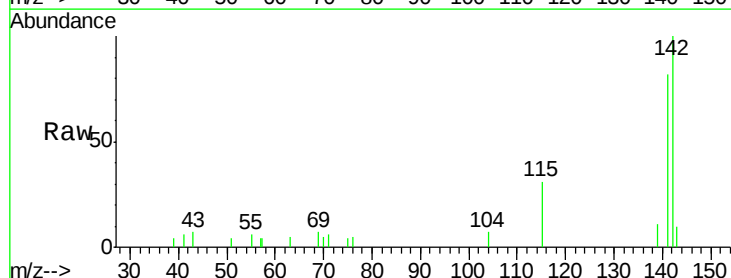
Tgt Ion:142 Resp: 9035

Ion Ratio Lower Upper

142 100

141 82.4 71.0 106.6

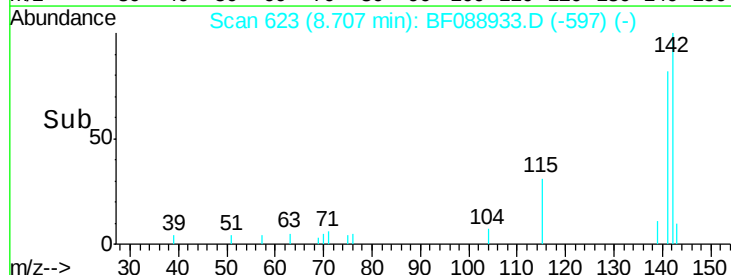
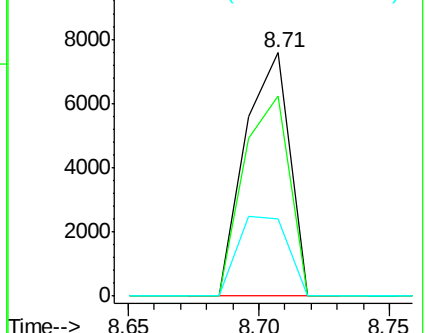
115 31.5 22.6 33.8

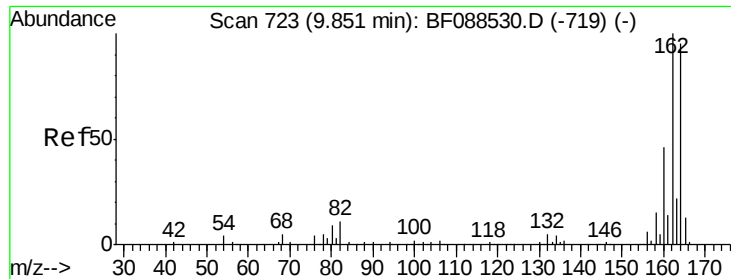


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

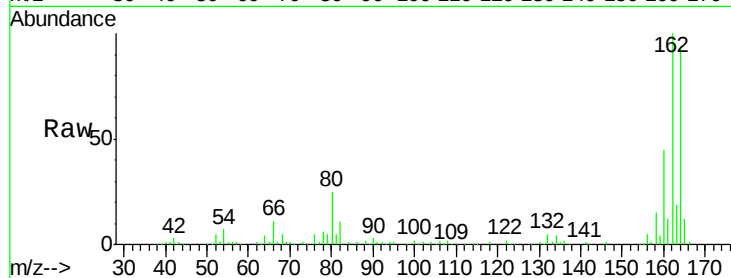




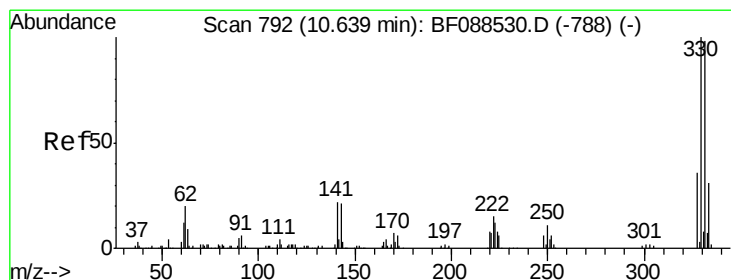
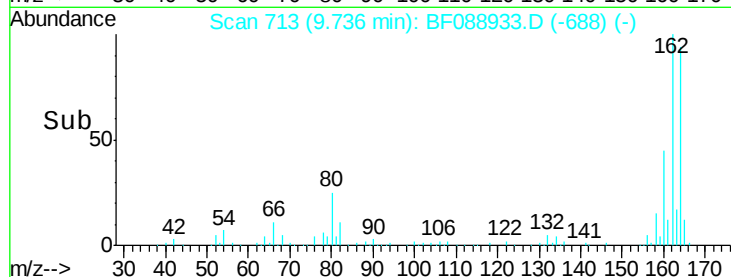
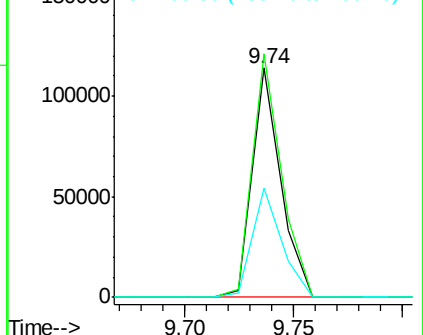
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

Tgt Ion:164 Resp: 103305
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.4 128.2
 160 47.8 39.5 59.3

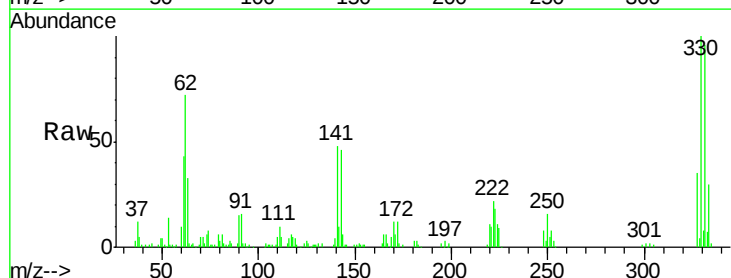


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

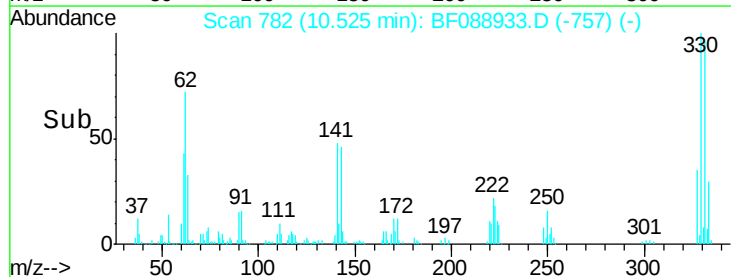
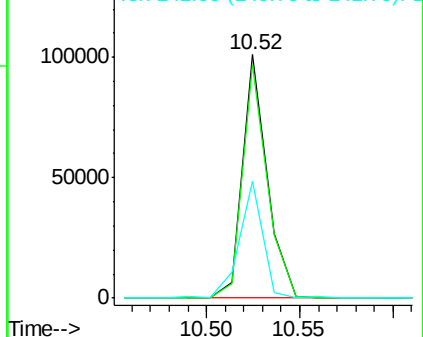


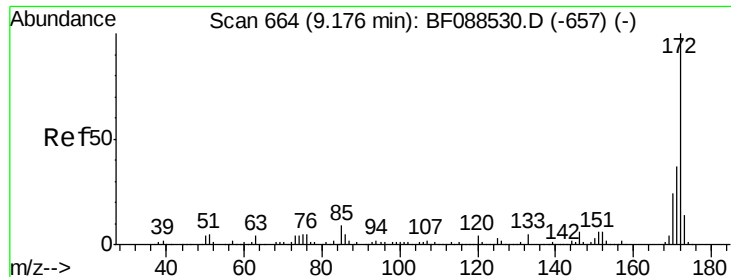
#41
 2,4,6-Tribromophenol
 Concen: 96.56 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion:330 Resp: 92630
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 48.0 0.0 0.0#



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

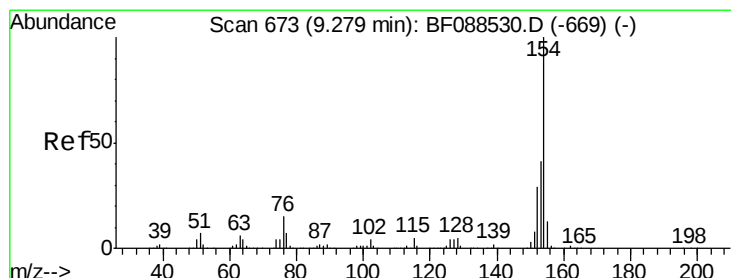
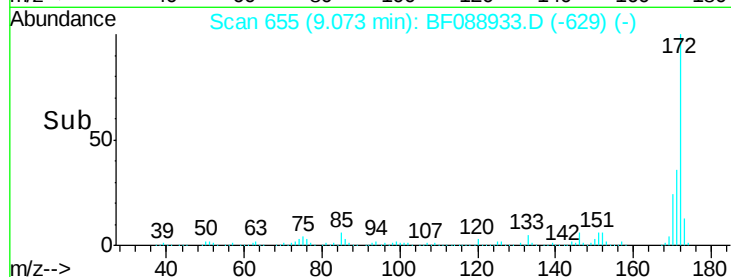
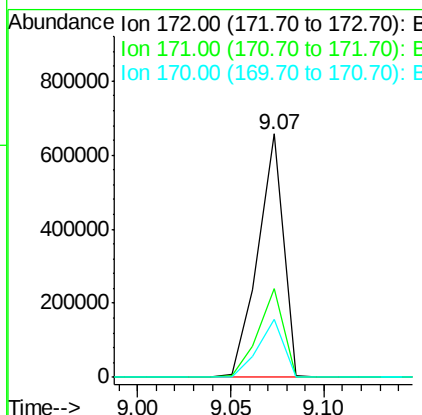
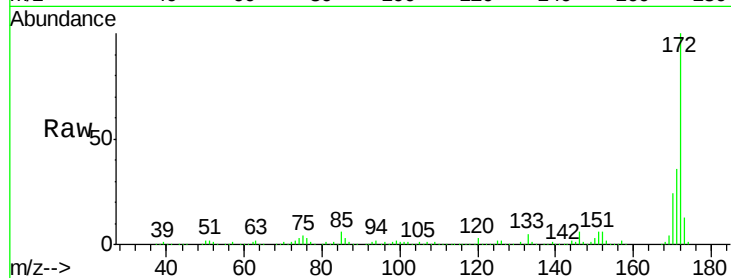




#44
 2-Fluorobiphenyl
 Concen: 95.09 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

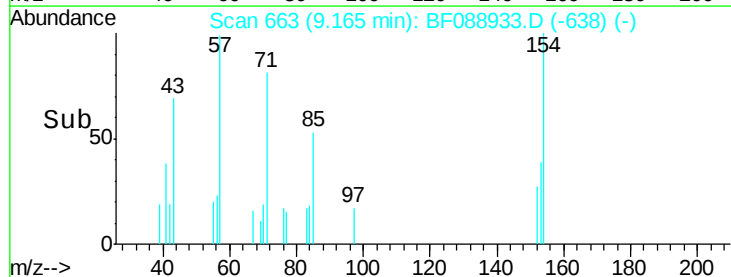
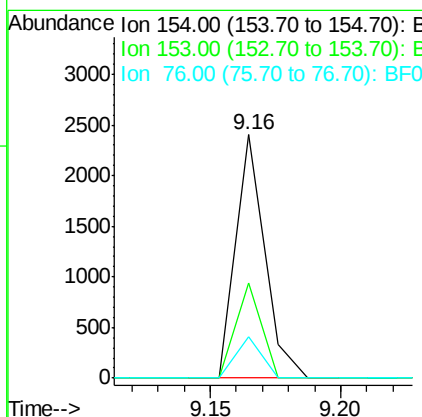
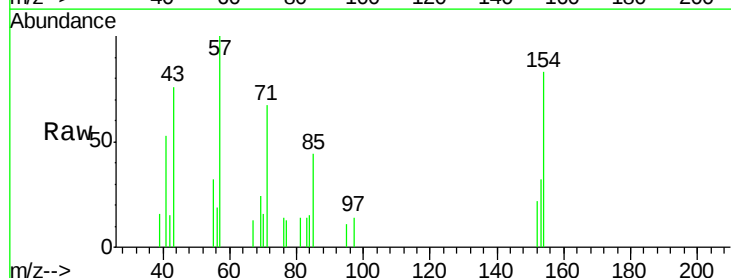
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

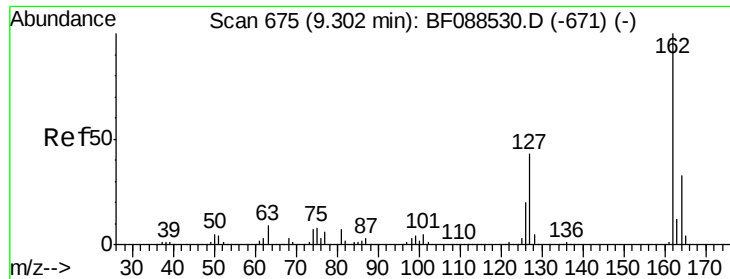
Tgt Ion:172 Resp: 621874
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 23.8 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: 0.22 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion:154 Resp: 1880
 Ion Ratio Lower Upper
 154 100
 153 39.1 20.6 60.6
 76 17.2 0.0 35.1

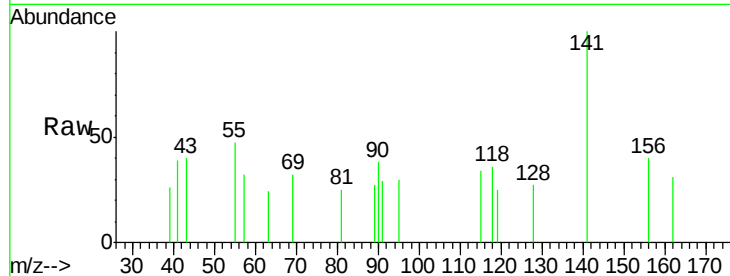




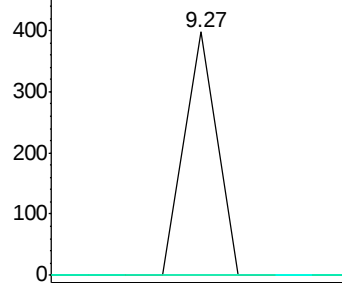
#46
 2-Chloronaphthalene
 Concen: 0.04 ng
 RT: 9.27 min Scan# 672
 Delta R.T. 0.07 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Instrument :
 BNA_F
 ClientSampled :
 C2.3-02

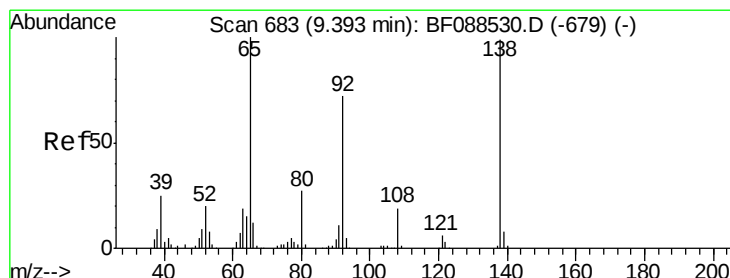
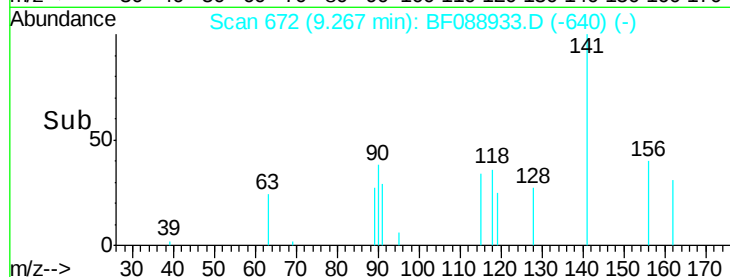
Tgt Ion: 162 Resp: 273
 Ion Ratio Lower Upper
 162 100
 127 0.0 35.2 52.8#
 164 0.0 26.6 39.8#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

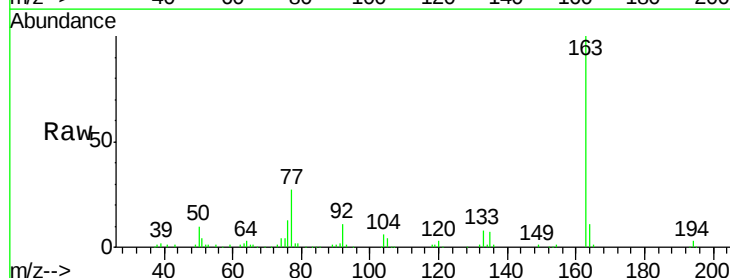


Time-->

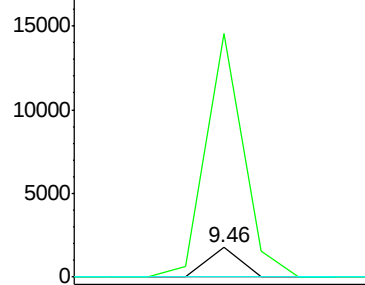


#47
 2-Nitroaniline
 Concen: 0.51 ng
 RT: 9.46 min Scan# 689
 Delta R.T. 0.17 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

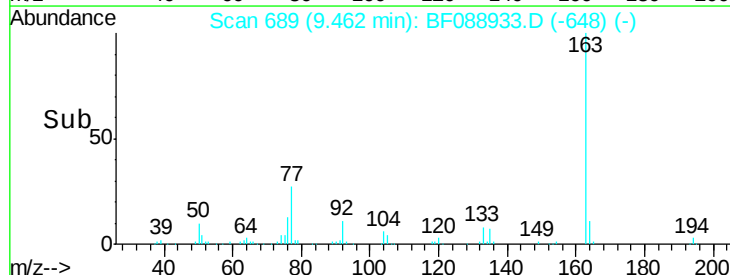
Tgt Ion: 65 Resp: 1207
 Ion Ratio Lower Upper
 65 100
 92 826.5 54.6 82.0#
 138 0.0 77.0 115.4#

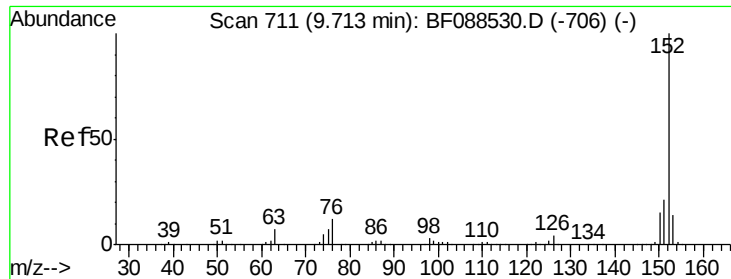


Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E



Time-->





#48

Acenaphthylene

Concen: 2.47 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

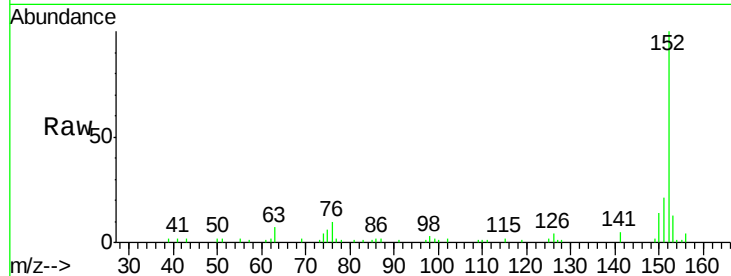
Tgt Ion:152 Resp: 26434

Ion Ratio Lower Upper

152 100

151 21.4 16.2 24.4

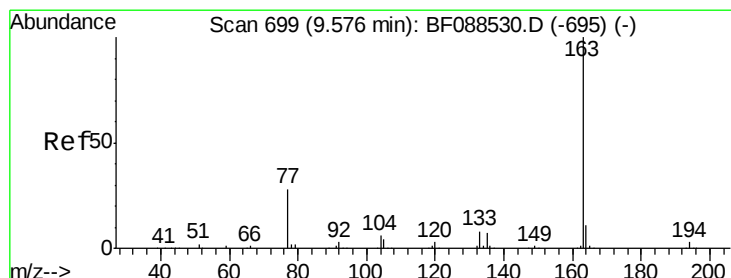
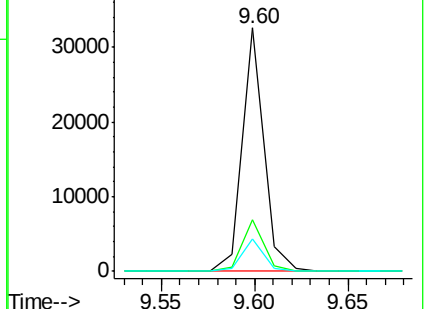
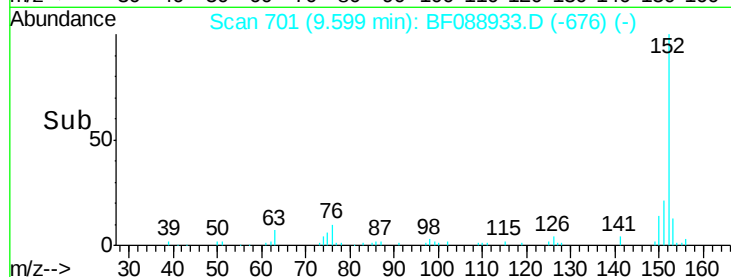
153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 14.86 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

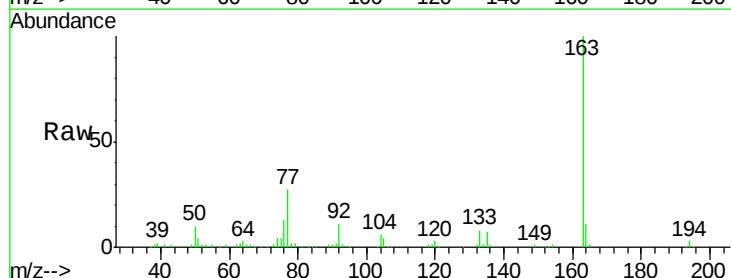
Tgt Ion:163 Resp: 109337

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

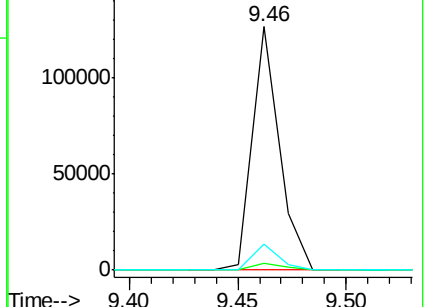
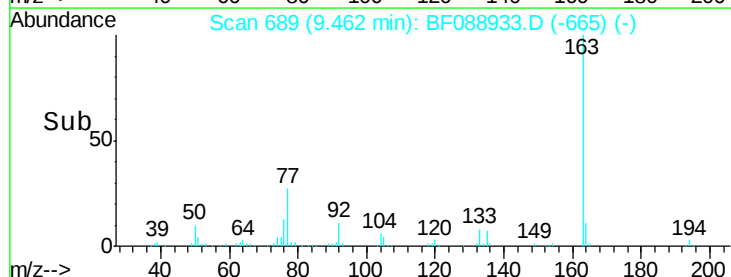
164 10.5 8.3 12.5

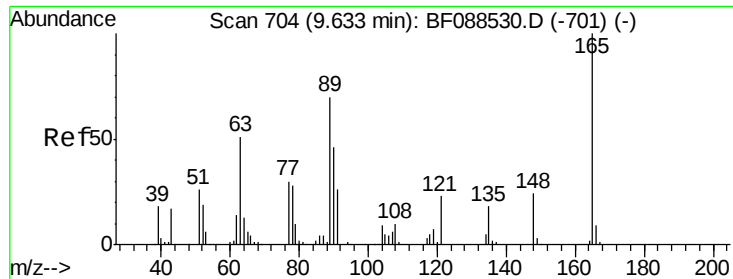


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

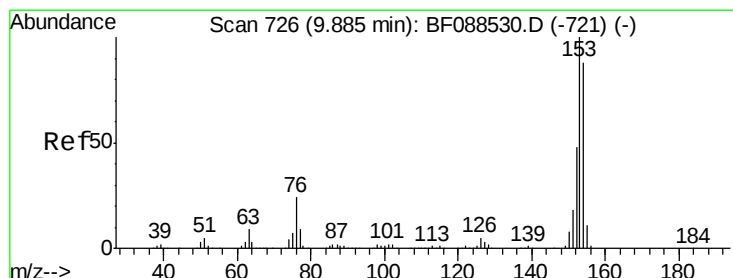
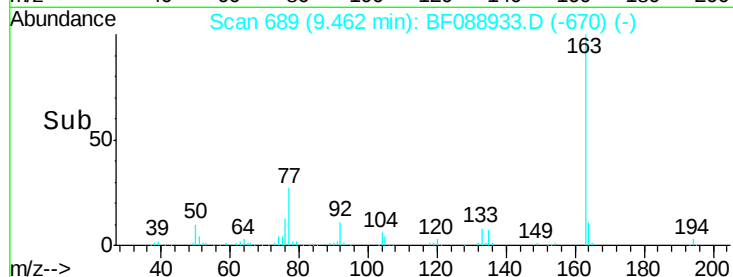
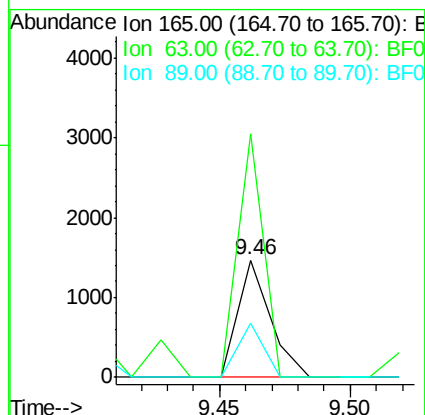
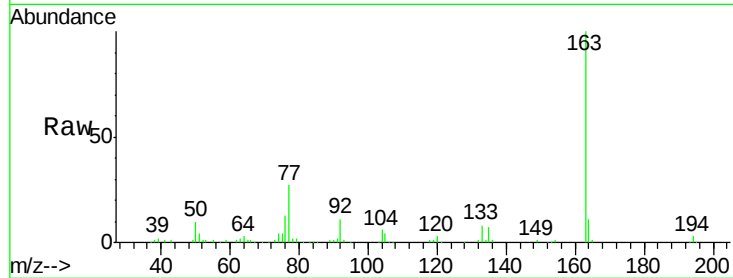




#50
2,6-Dinitrotoluene
Concen: 0.79 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.08 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

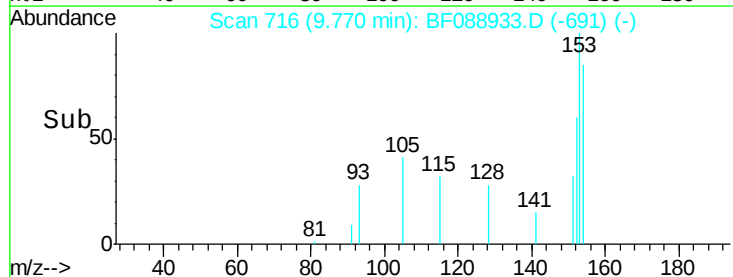
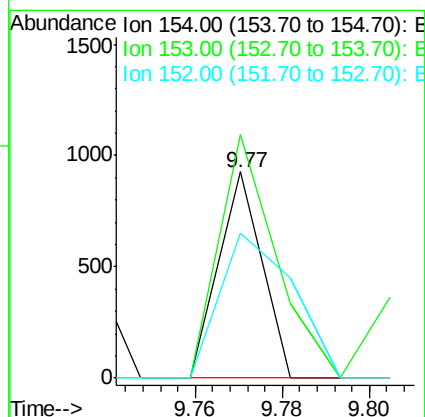
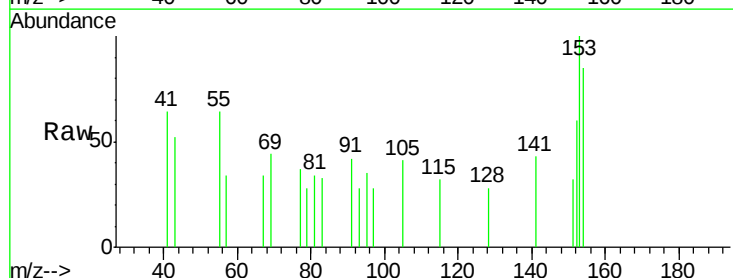
Instrument :
BNA_F
ClientSampleId :
C2.3-02

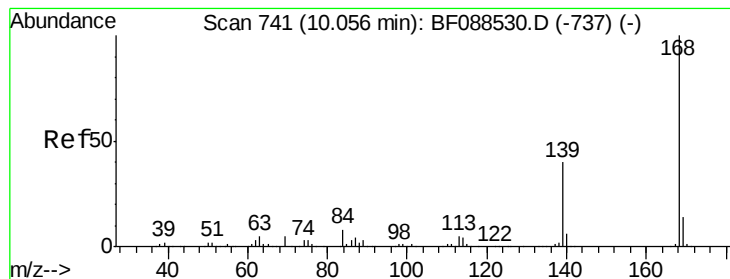
Tgt Ion:165 Resp: 1283
Ion Ratio Lower Upper
165 100
63 208.1 28.1 42.1#
89 46.6 32.2 48.2



#51
Acenaphthene
Concen: 0.10 ng
RT: 9.77 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion:154 Resp: 635
Ion Ratio Lower Upper
154 100
153 118.1 89.5 134.3
152 70.3 42.7 64.1#





#54

Dibenzenofuran

Concen: 0.54 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

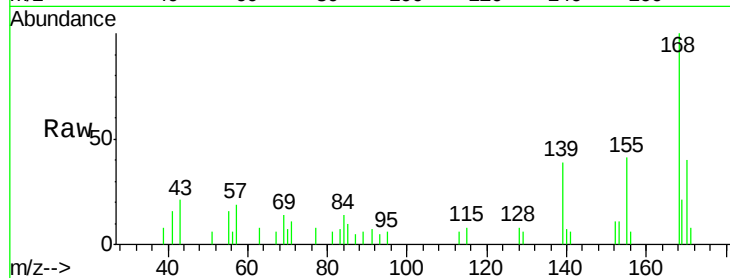
Tgt Ion:168 Resp: 4671

Ion Ratio Lower Upper

168 100

139 39.4 26.4 39.6

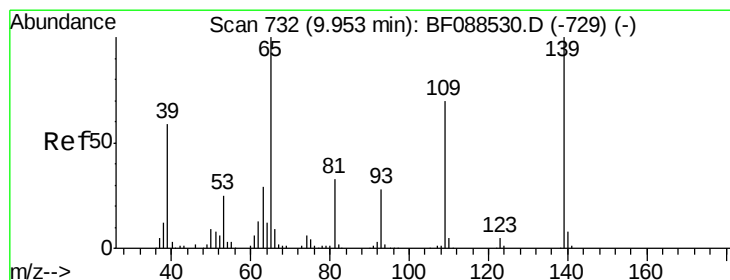
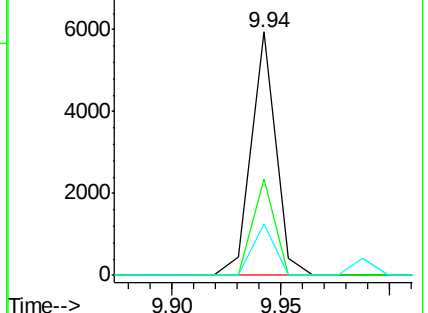
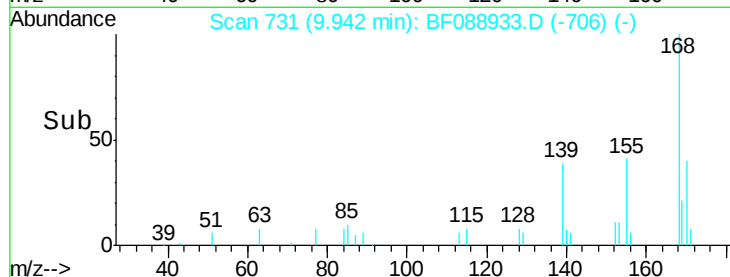
169 21.2 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 1.02 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

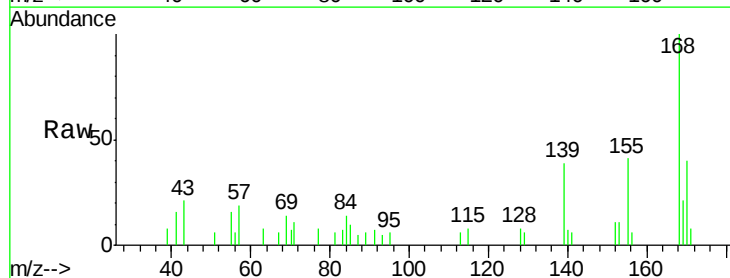
Tgt Ion:139 Resp: 1607

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

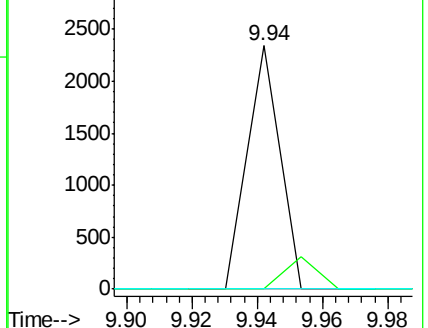
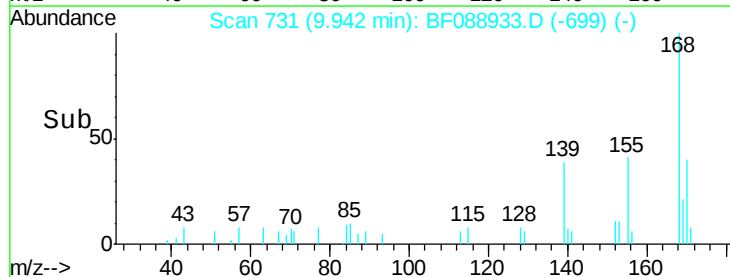
65 0.0 84.9 124.9#

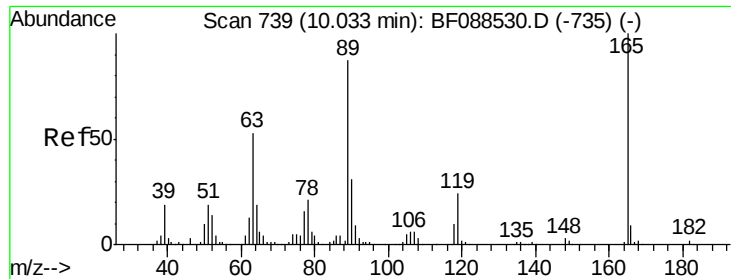


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

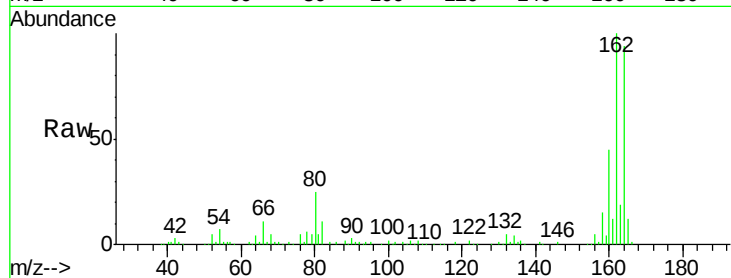




#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.21 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Instrument :
BNA_F
ClientSampleId :
C2.3-02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	22.0	33.0#
89	2.0	41.1	61.7#
182	0.0	2.0	3.0#

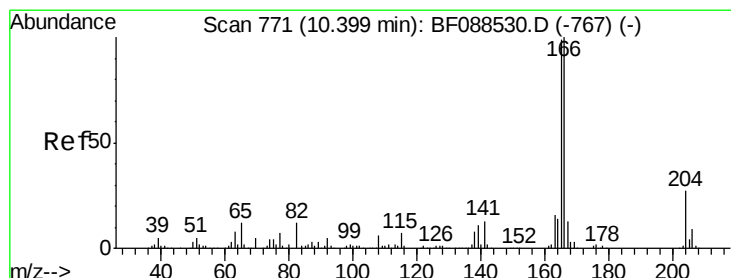
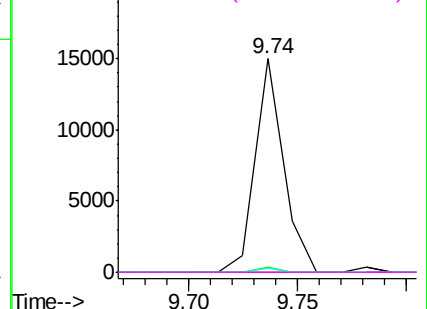
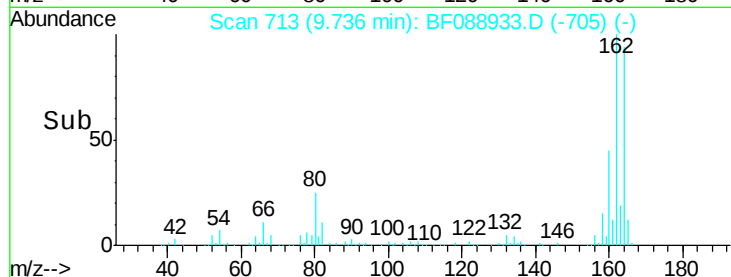


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

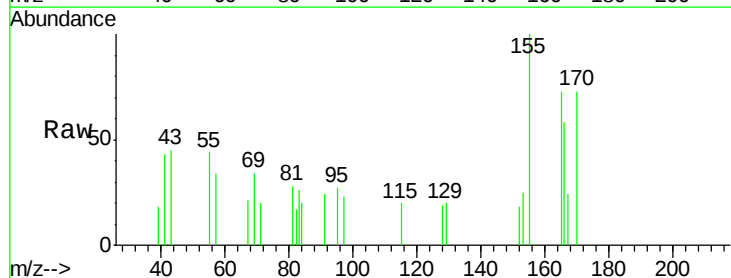
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 0.19 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

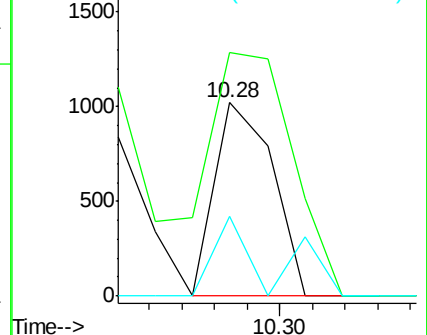
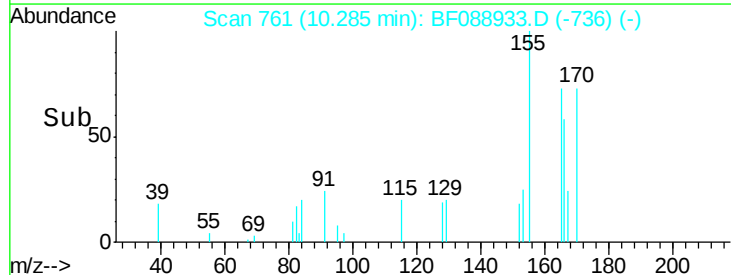
Tgt Ion	Ratio	Lower	Upper
166	100		
165	126.0	77.8	116.8#
167	40.9	11.2	16.8#

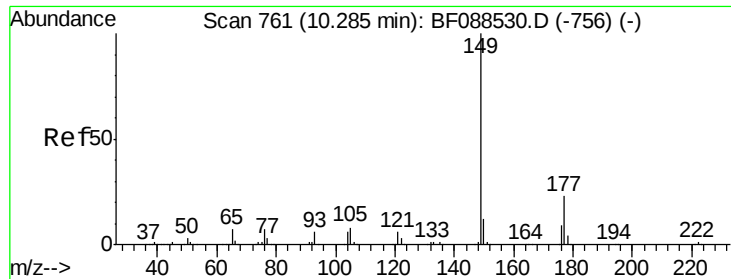


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

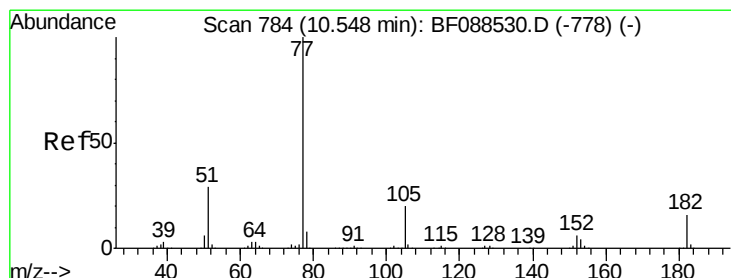
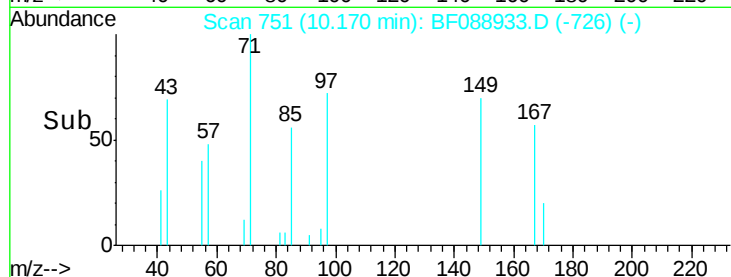
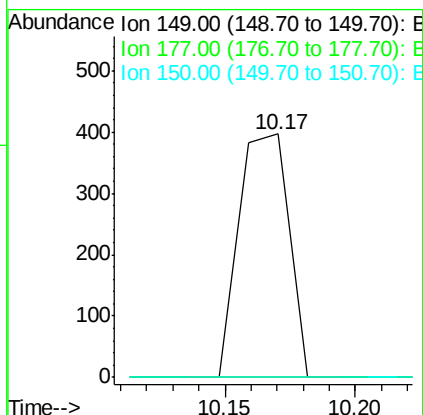
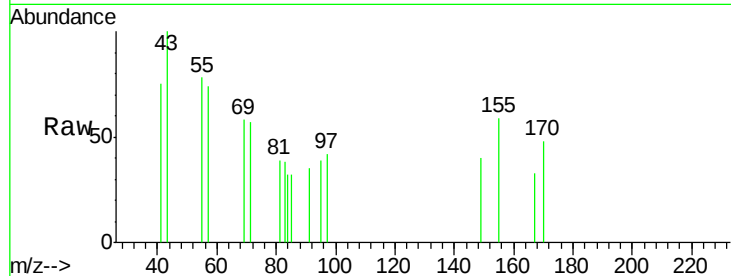




#59
Diethylphthalate
Concen: 0.07 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

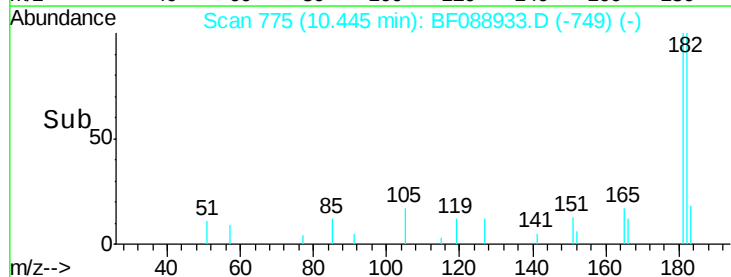
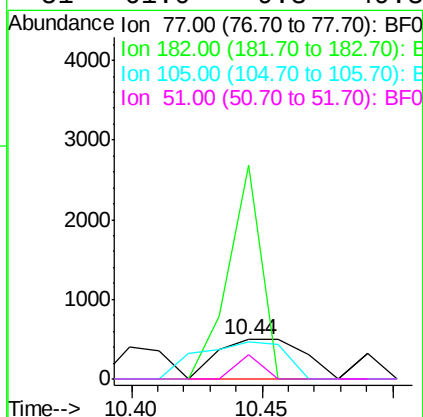
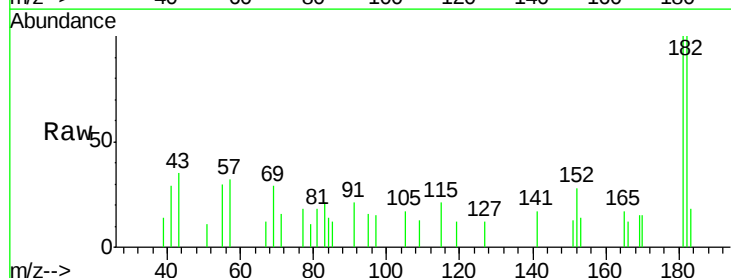
Instrument :
BNA_F
ClientSampled :
C2.3-02

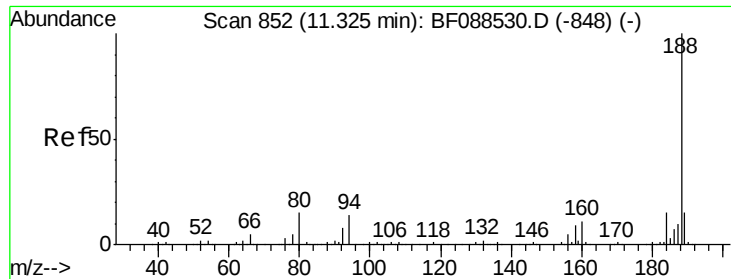
Tgt Ion: 149 Resp: 535
Ion Ratio Lower Upper
149 100
177 0.0 16.9 25.3#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.14 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.00 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion: 77 Resp: 1143
Ion Ratio Lower Upper
77 100
182 541.8 4.4 44.4#
105 94.3 3.8 43.8#
51 61.0 9.3 49.3#

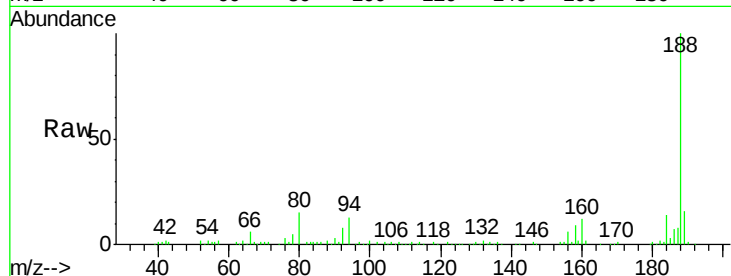




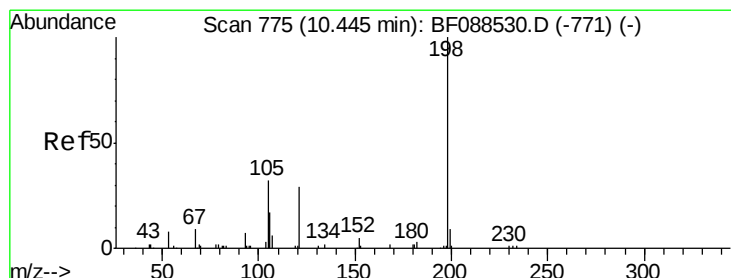
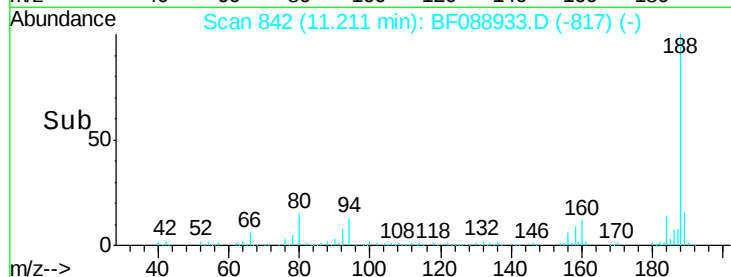
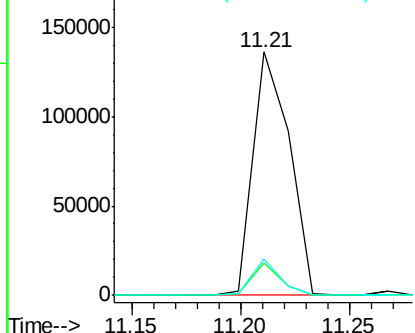
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Instrument :
BNA_F
ClientSampleId :
C2.3-02

Tgt Ion:188 Resp: 158471
Ion Ratio Lower Upper
188 100
94 13.2 9.0 13.6
80 15.1 10.0 15.0#

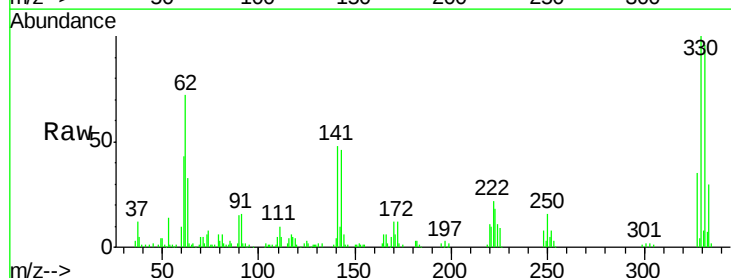


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

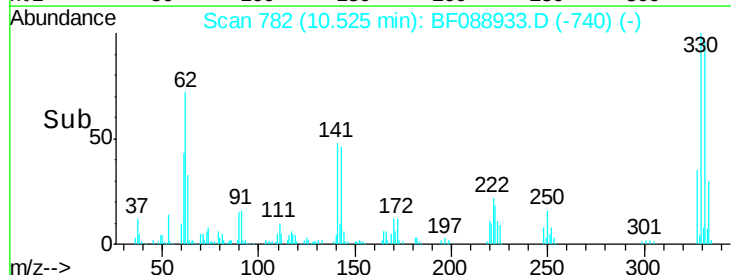
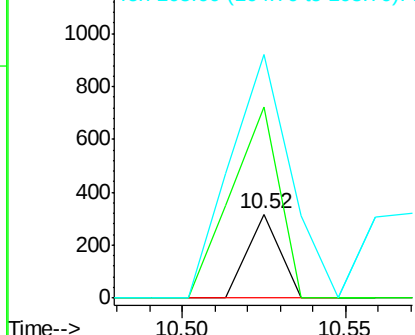


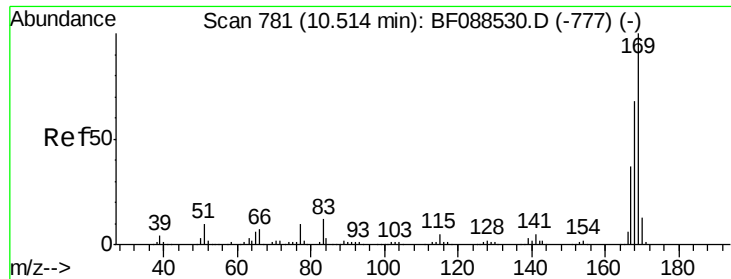
#64
4,6-Dinitro-2-methylphenol
Concen: 0.26 ng
RT: 10.52 min Scan# 782
Delta R.T. 0.18 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion:198 Resp: 217
Ion Ratio Lower Upper
198 100
51 227.4 39.6 79.6#
105 290.5 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

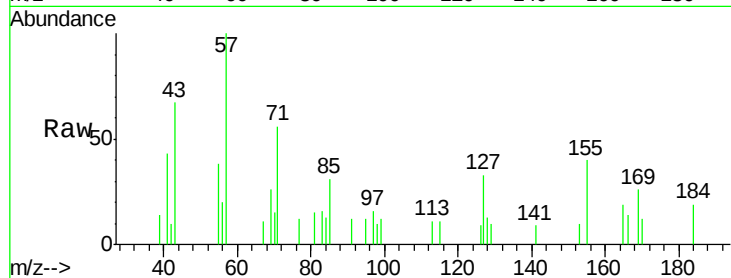




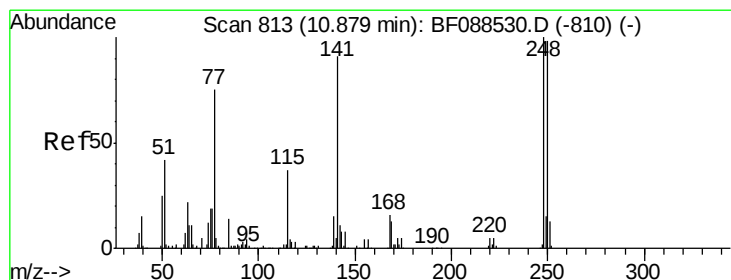
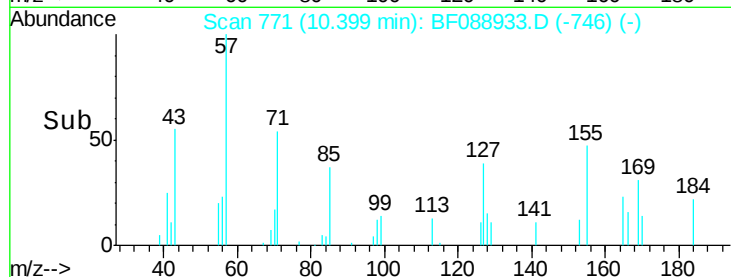
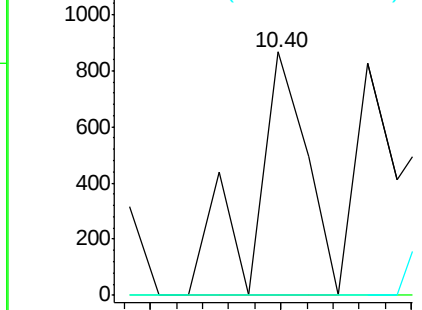
#65
 n-Nitrosodiphenylamine
 Concen: 0.23 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

Tgt Ion:169 Resp: 1234
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.4 80.0#
 167 0.0 29.4 44.0#

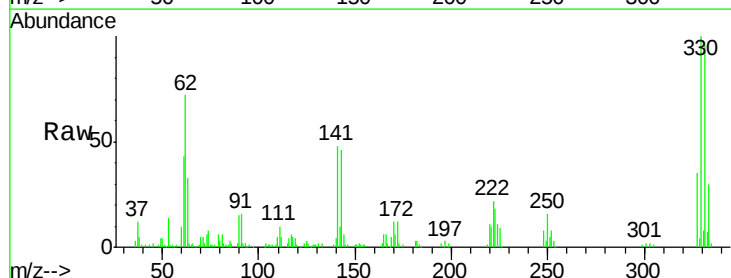


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

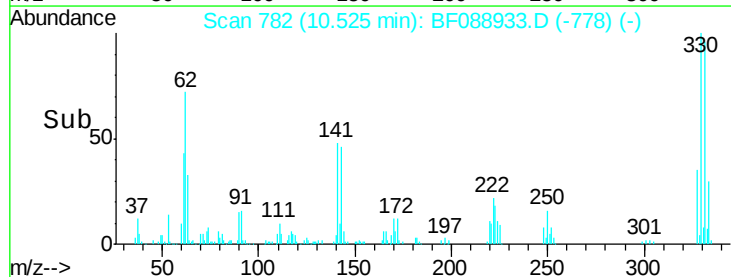
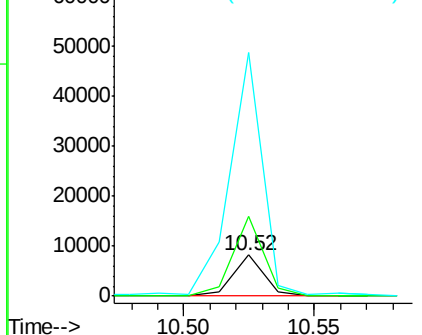


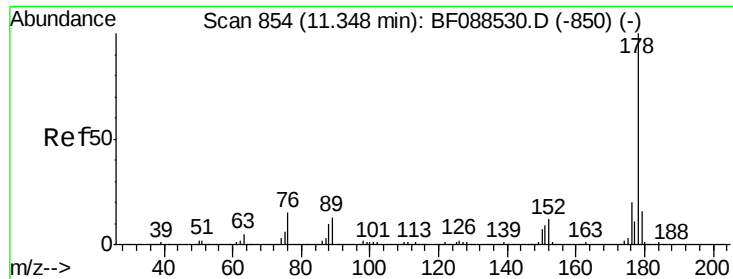
#66
 4-Bromophenyl-phenylether
 Concen: 4.22 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion:248 Resp: 6739
 Ion Ratio Lower Upper
 248 100
 250 194.7 77.1 115.7#
 141 597.1 50.6 76.0#



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

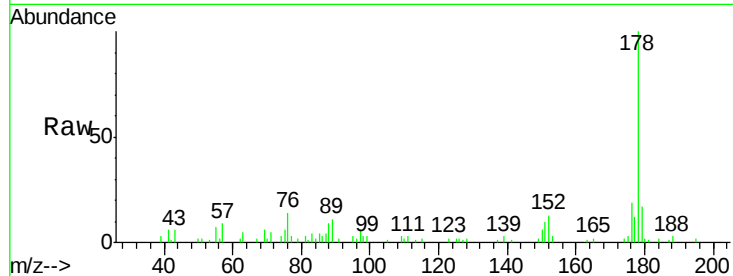




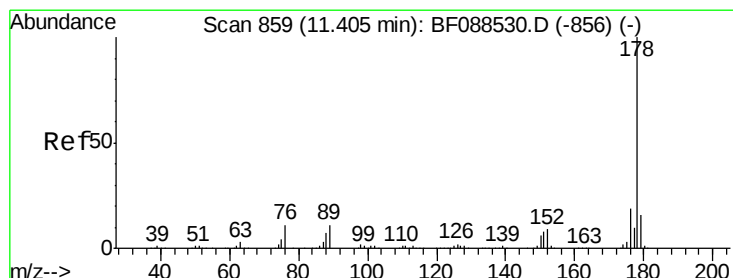
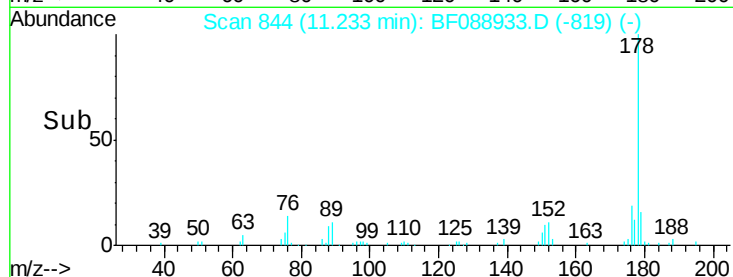
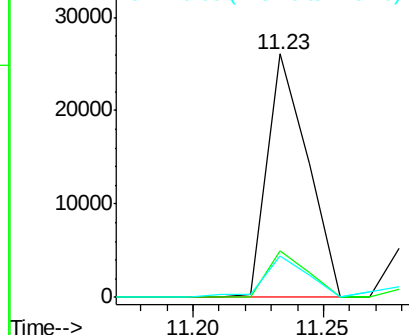
#70
Phenanthrene
Concen: 3.22 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Instrument :
BNA_F
ClientSampleId :
C2.3-02

Tgt Ion:178 Resp: 27892
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 16.8 13.0 19.4

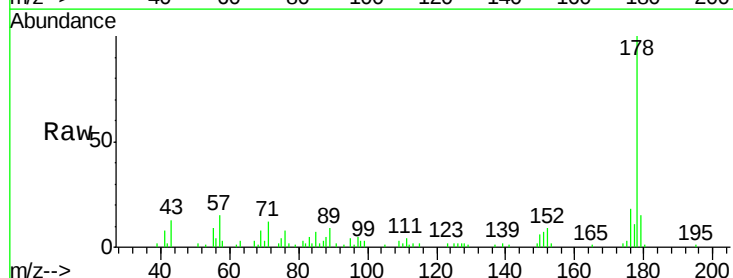


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

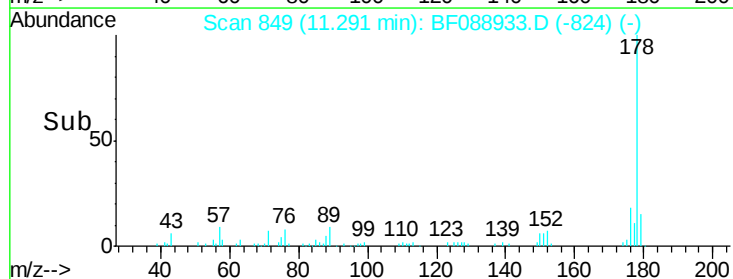
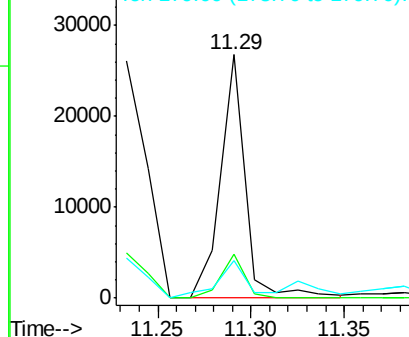


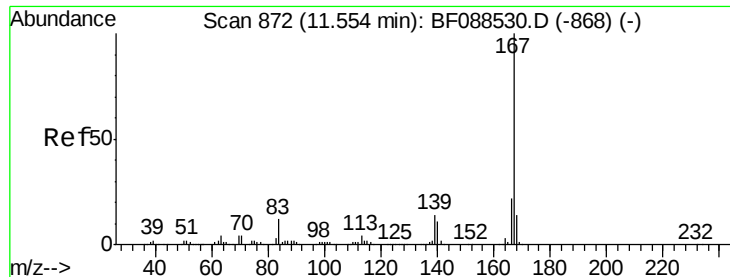
#71
Anthracene
Concen: 2.89 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF088933.D
Acq: 12 Jul 2016 21:58

Tgt Ion:178 Resp: 24863
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 1.16 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

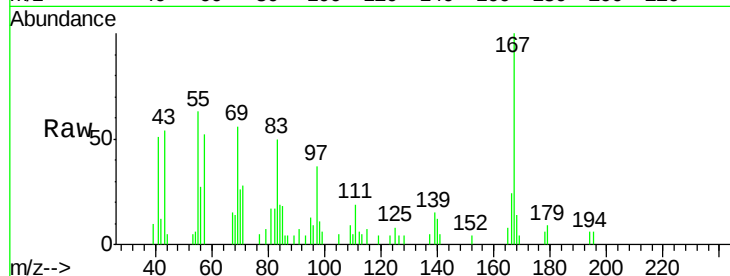
Tgt Ion:167 Resp: 9395

Ion Ratio Lower Upper

167 100

166 23.7 17.8 26.6

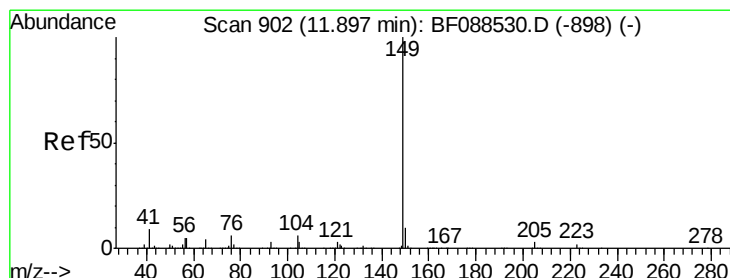
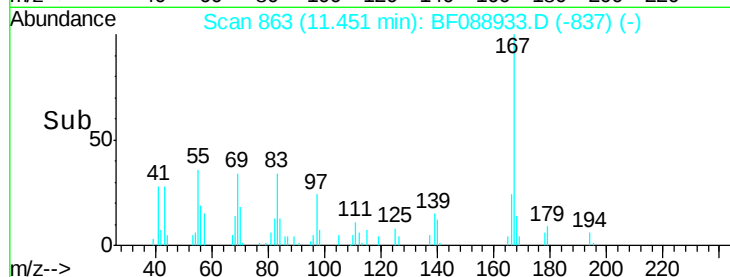
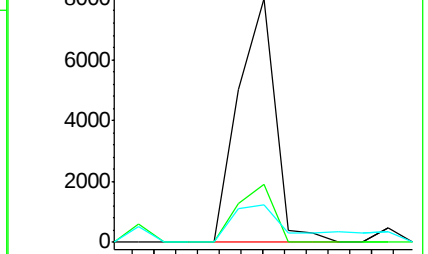
139 15.4 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.26 ng

RT: 11.79 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

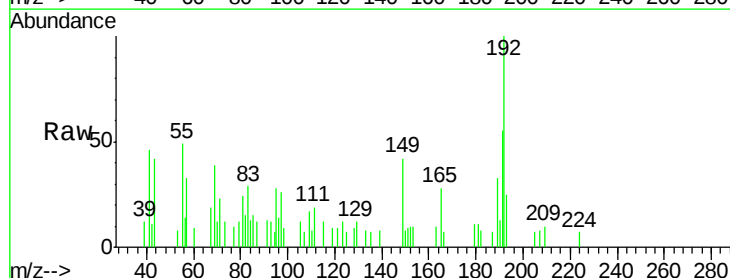
Tgt Ion:149 Resp: 2438

Ion Ratio Lower Upper

149 100

150 18.0 7.8 11.6#

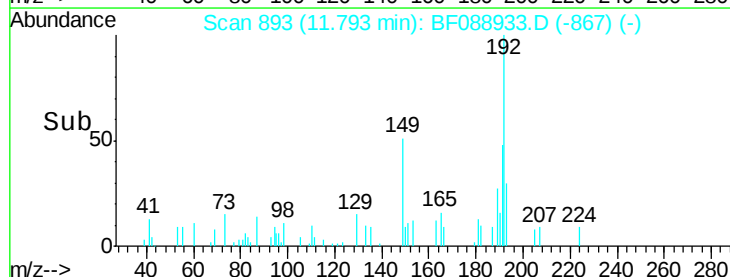
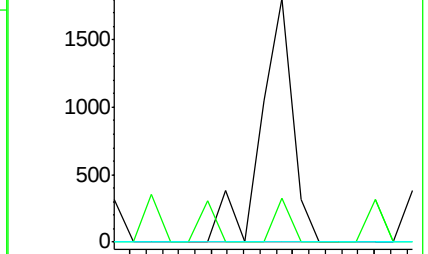
104 0.0 4.0 6.0#

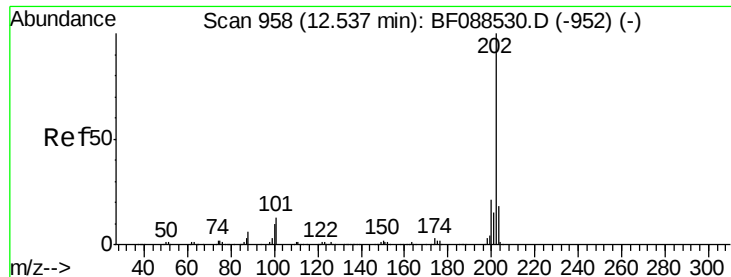


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

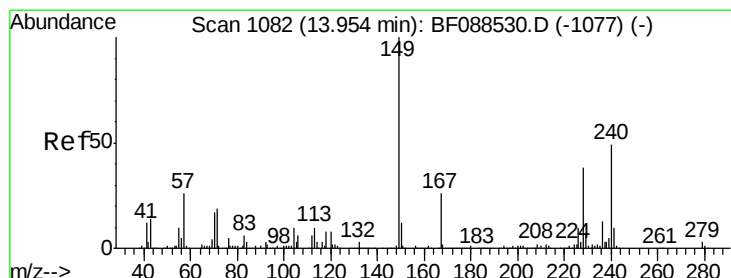
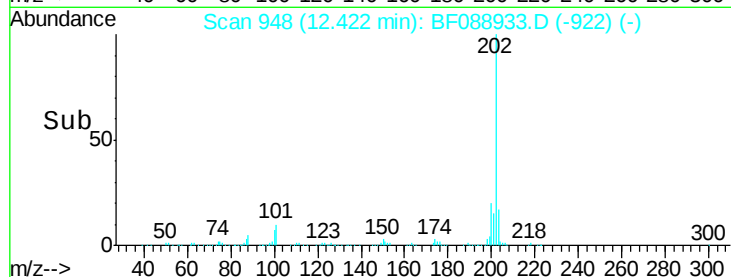
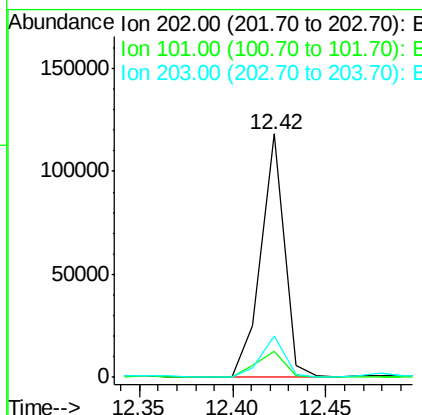
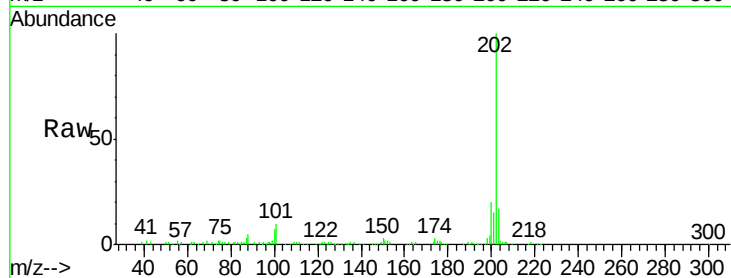




#74
 Fluoranthene
 Concen: 11.75 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

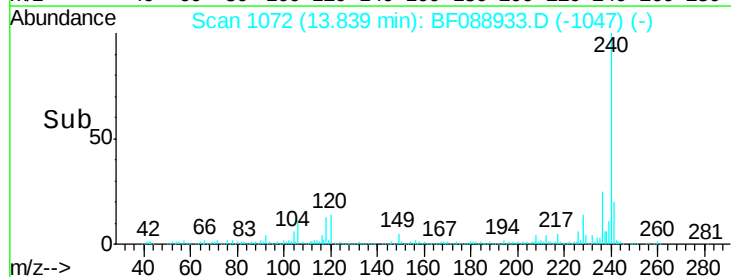
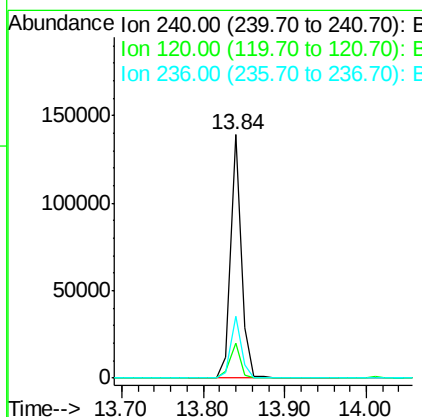
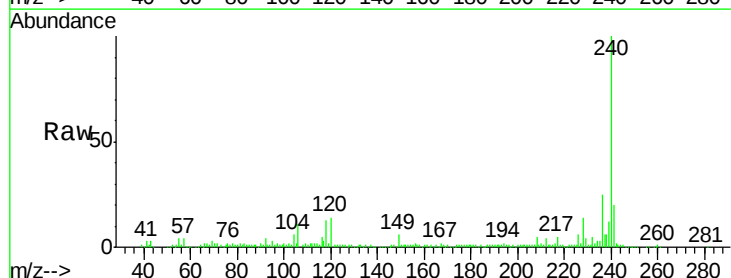
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

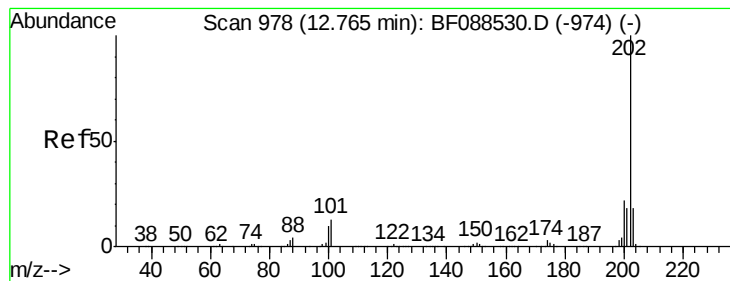
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.1
203	17.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	6.8	10.2#
236	25.2	20.2	30.2





#77

Pyrene

Concen: 8.34 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

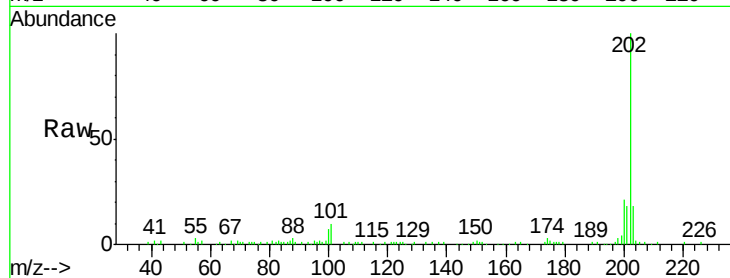
Tgt Ion: 202 Resp: 89690

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

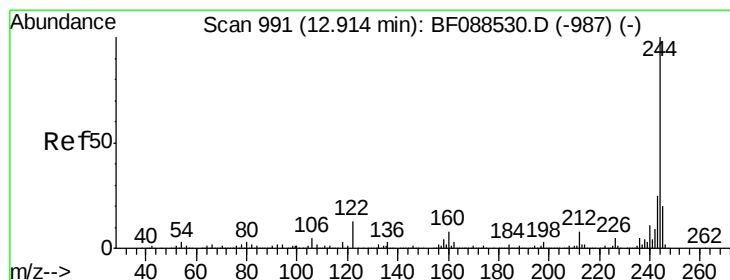
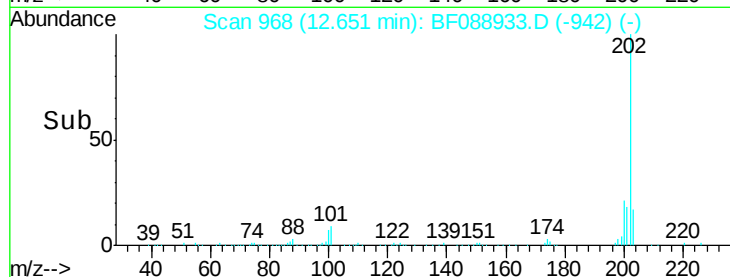
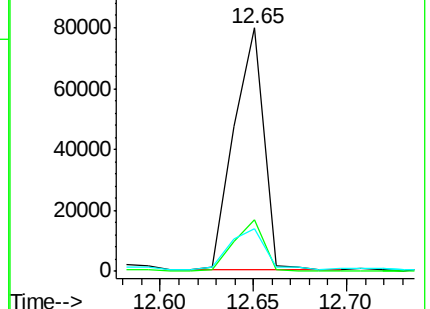
203 17.7 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.32 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

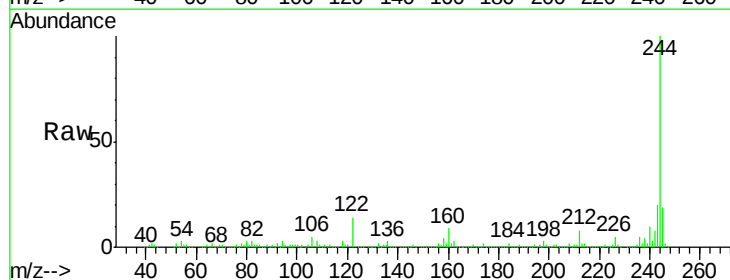
Tgt Ion: 244 Resp: 320522

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

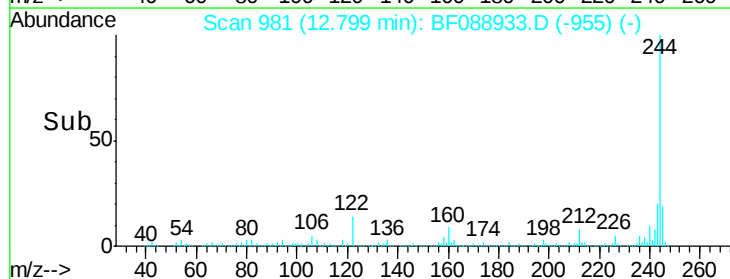
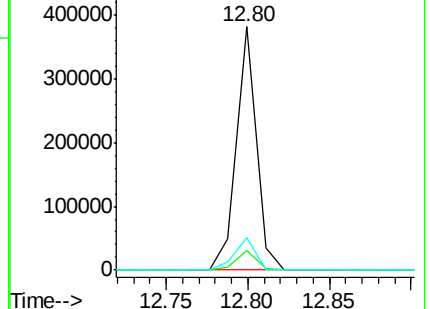
122 13.6 11.2 16.8

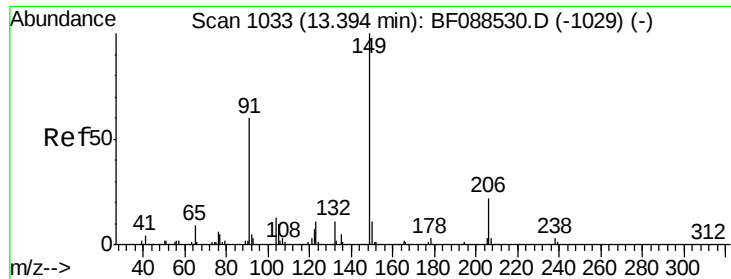


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.14 ng

RT: 13.28 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

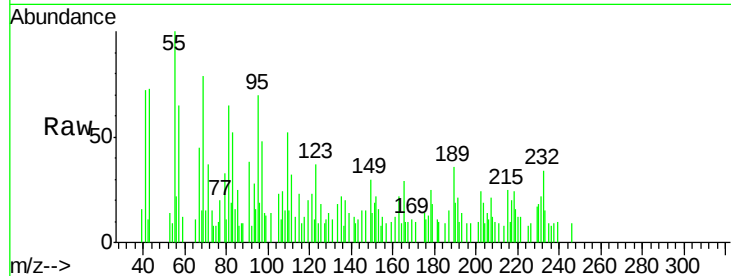
Tgt Ion:149 Resp: 671

Ion Ratio Lower Upper

149 100

91 125.5 48.0 72.0#

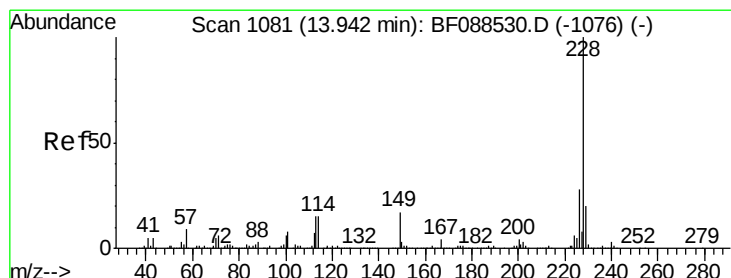
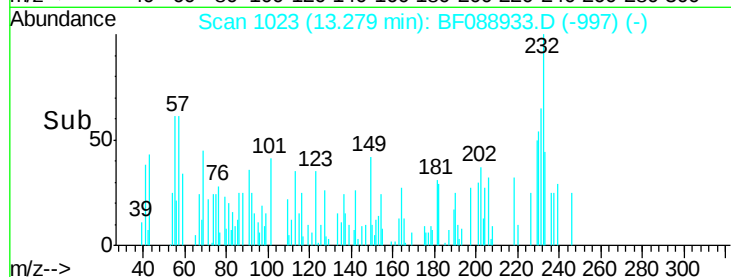
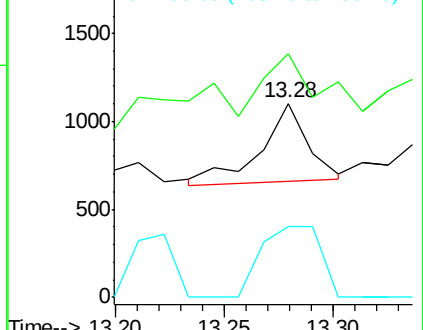
206 36.2 16.0 24.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 16.29 ng

RT: 13.86 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

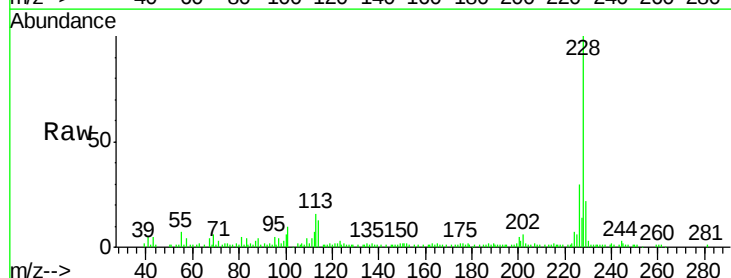
Tgt Ion:228 Resp: 132990

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

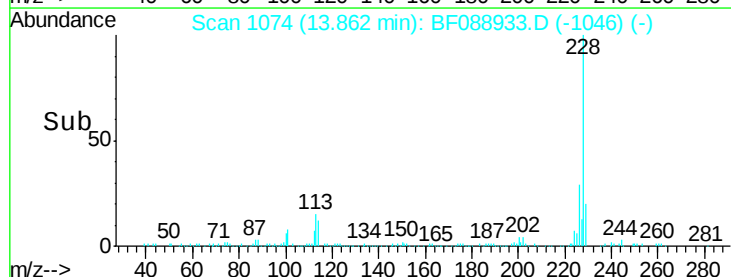
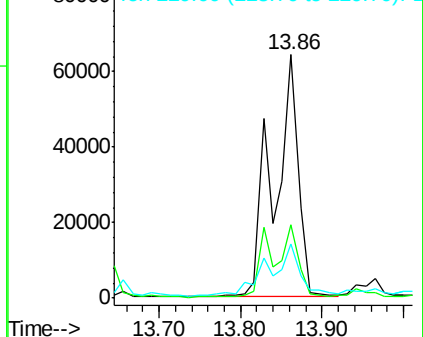
229 22.4 16.0 24.0

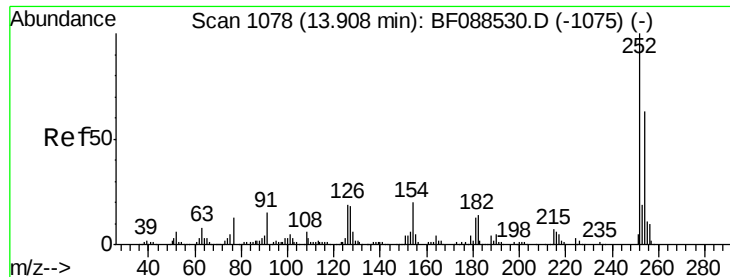


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

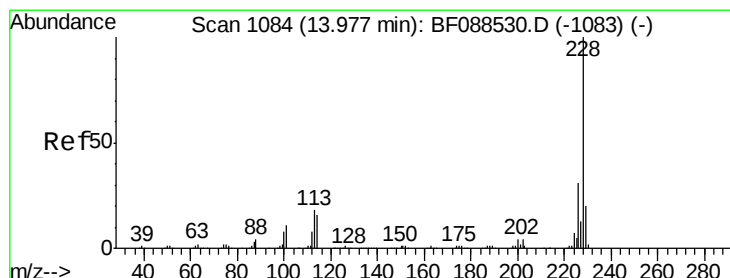
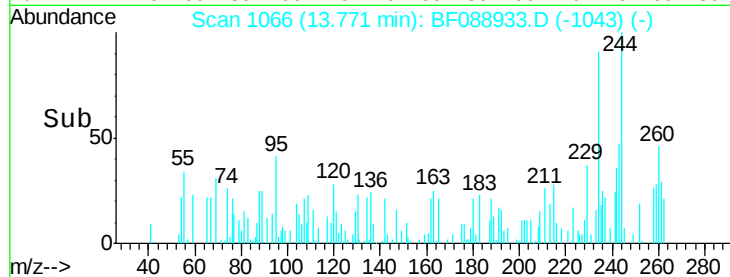
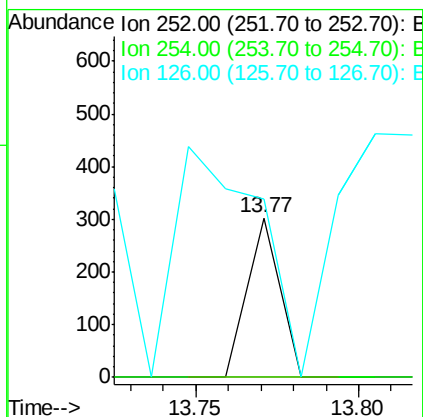
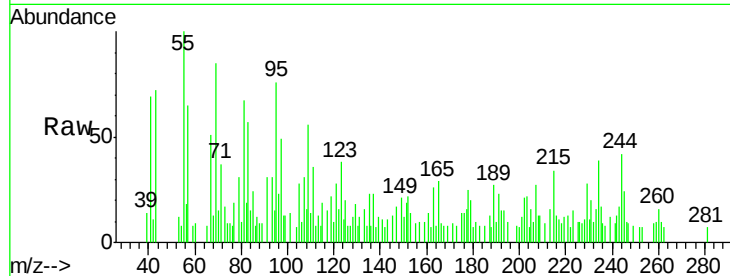




#81
 3,3'-Dichlorobenzidine
 Concen: 0.07 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

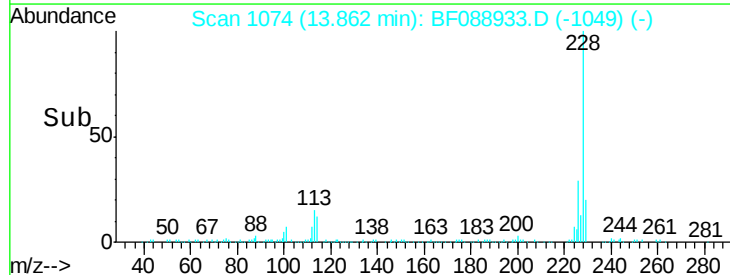
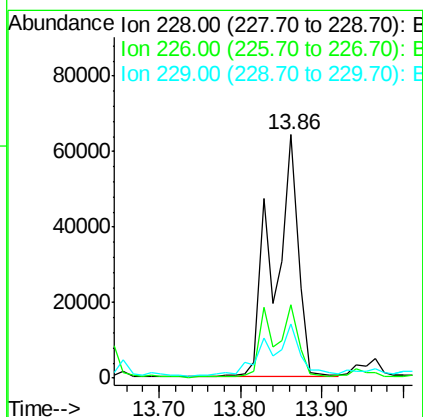
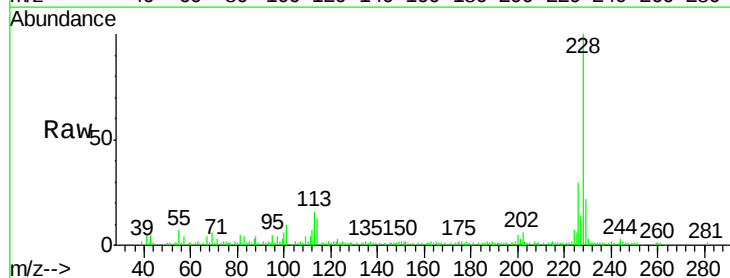
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

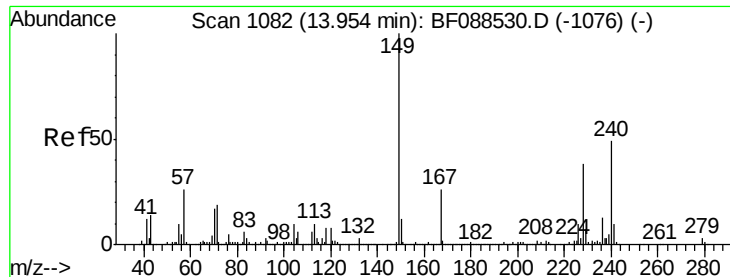
Tgt Ion: 252 Resp: 207
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.6 78.8#
 126 111.9 6.2 9.2#



#82
 Chrysene
 Concen: 16.47 ng
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion: 228 Resp: 132990
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.4 38.2
 229 22.4 16.3 24.5

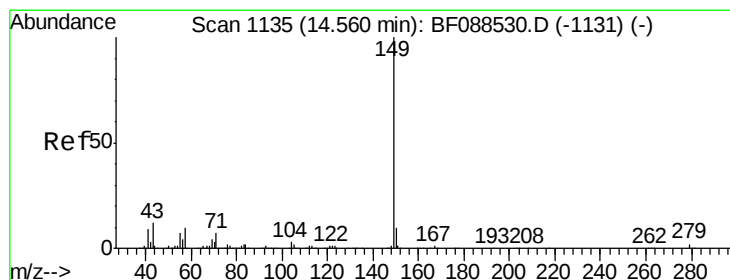
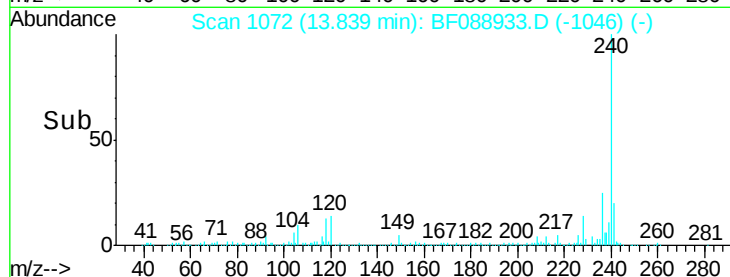
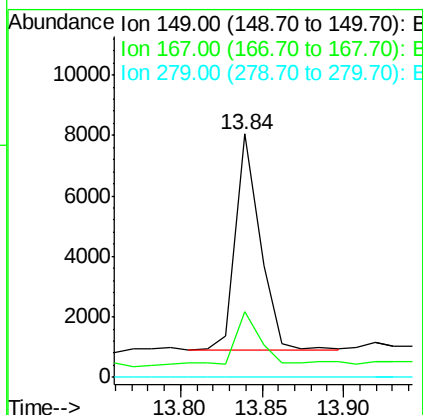
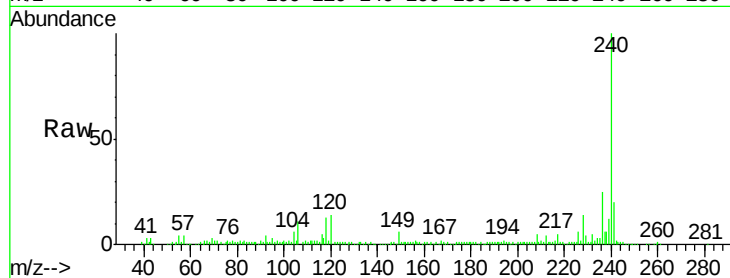




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.38 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

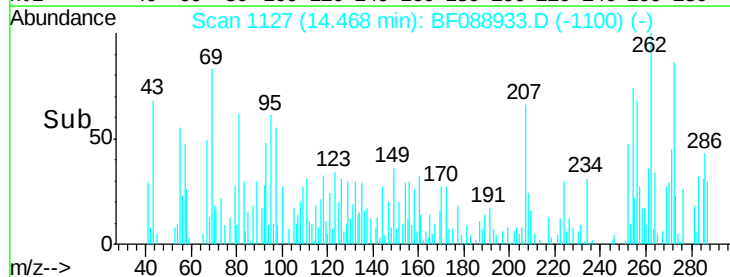
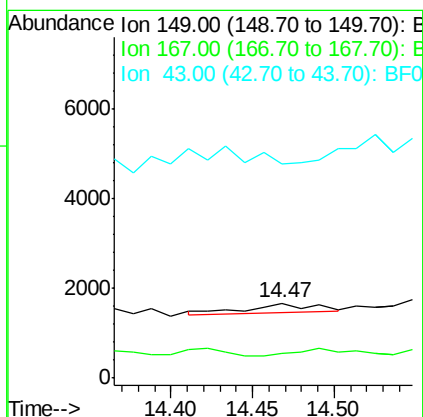
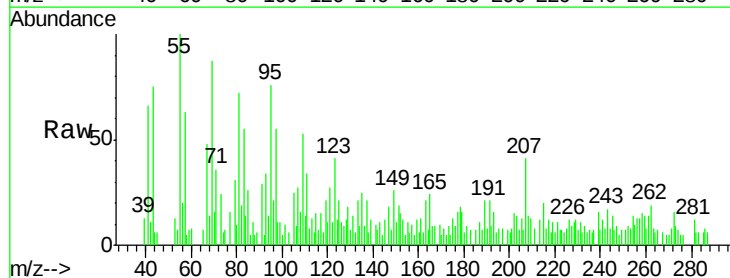
Instrument :
 BNA_F
 ClientSampleId :
 C2.3-02

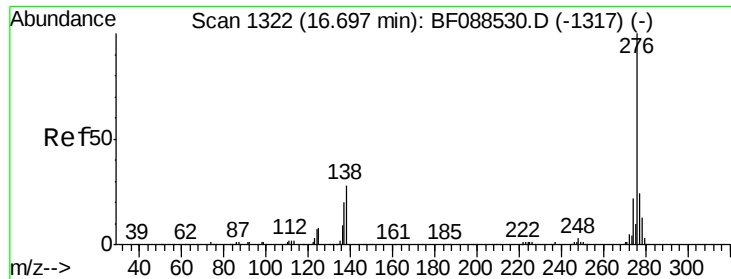
Tgt Ion:149 Resp: 7527
 Ion Ratio Lower Upper
 149 100
 167 27.0 20.5 30.7
 279 0.0 2.0 3.0#



#84
 Di-n-octyl phthalate
 Concen: 0.06 ng
 RT: 14.47 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BF088933.D
 Acq: 12 Jul 2016 21:58

Tgt Ion:149 Resp: 551
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 43 0.0 0.0 0.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.97 ng

RT: 16.50 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampled :

C2.3-02

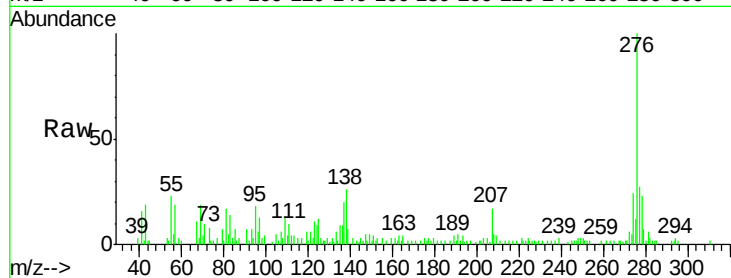
Tgt Ion: 276 Resp: 37083

Ion Ratio Lower Upper

276 100

138 22.0 0.0 0.0#

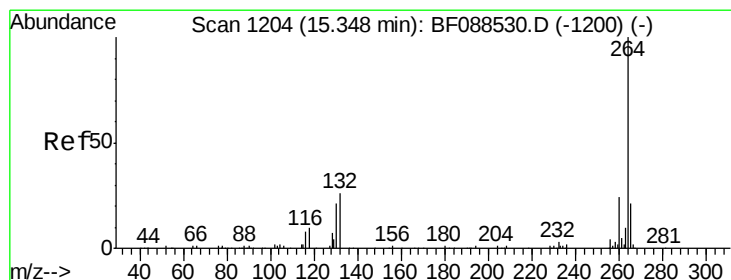
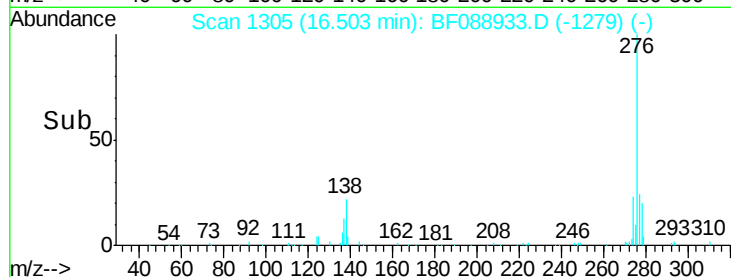
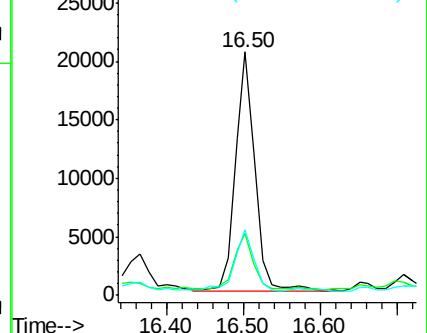
277 25.7 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

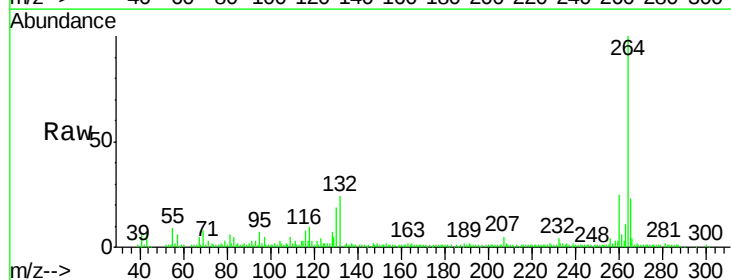
Tgt Ion: 264 Resp: 120119

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

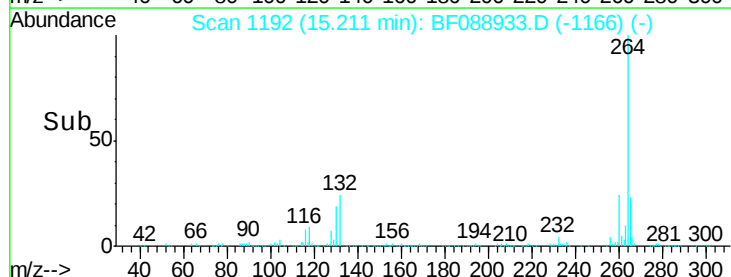
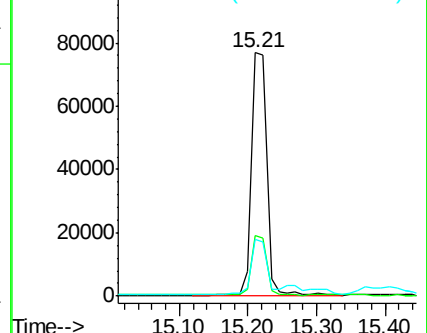
265 23.4 16.9 25.3

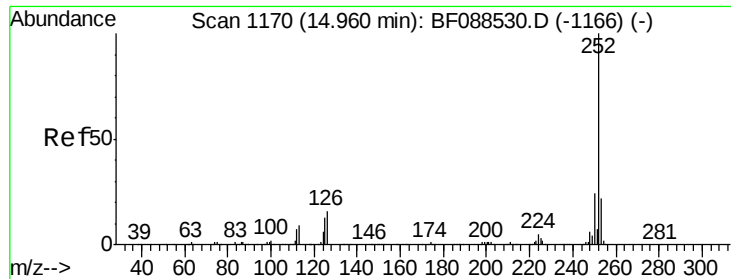


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.16 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

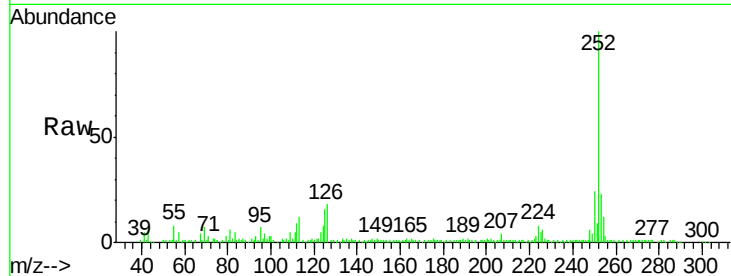
Tgt Ion:252 Resp: 159462

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

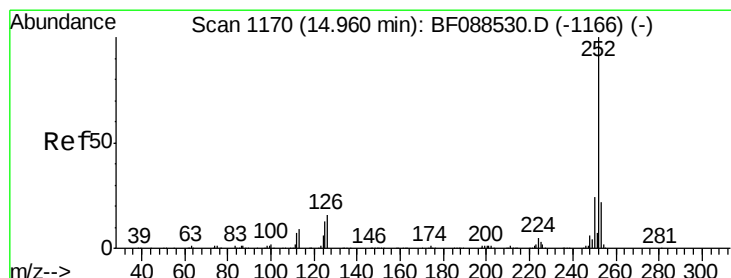
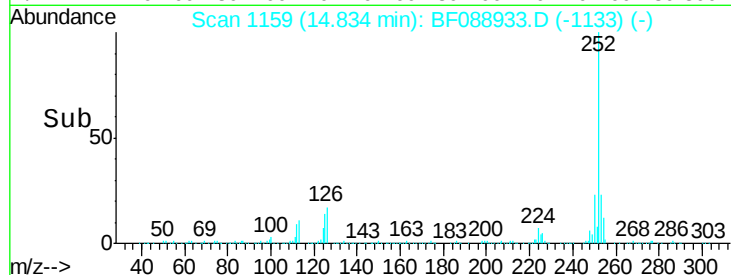
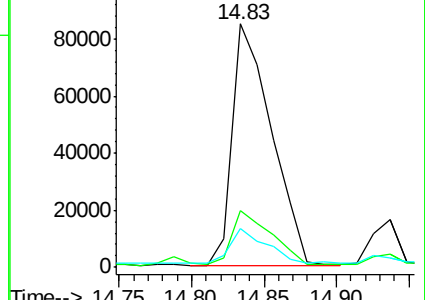
125 15.8 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 24.31 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

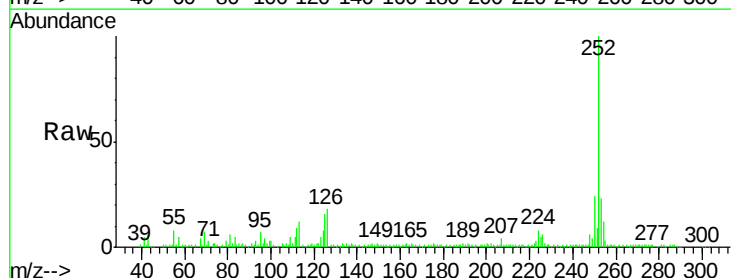
Tgt Ion:252 Resp: 159462

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

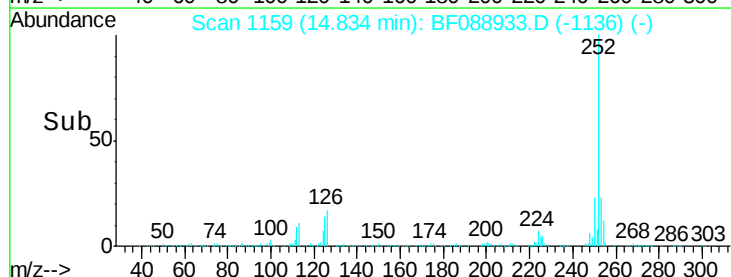
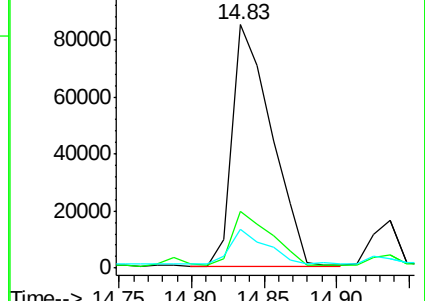
125 15.8 11.2 16.8

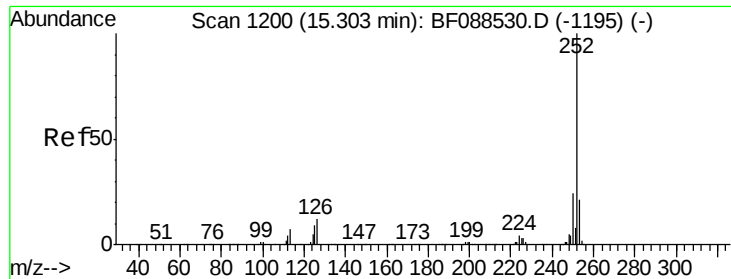


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.83 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

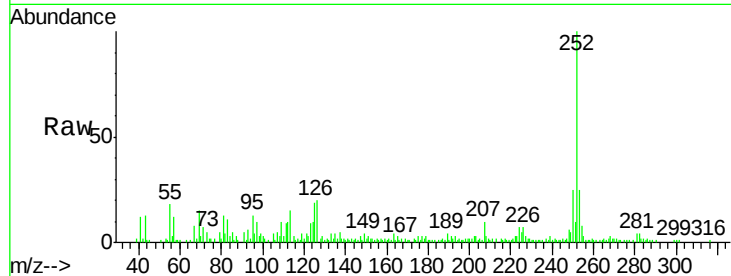
Tgt Ion:252 Resp: 49944

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

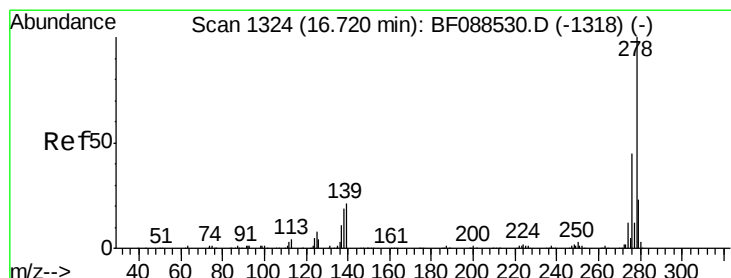
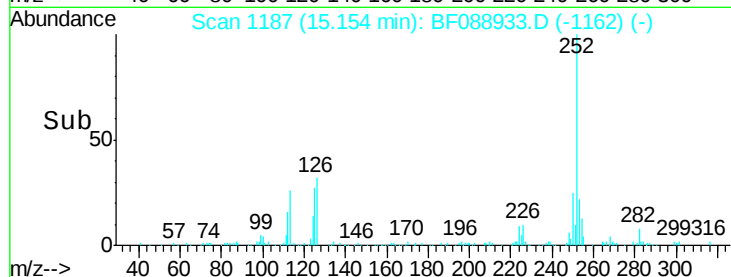
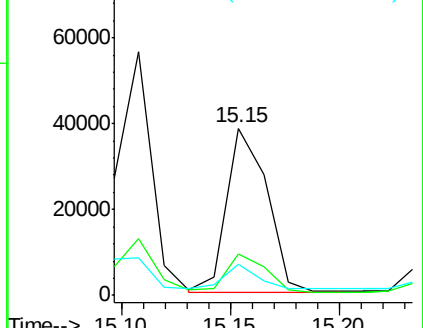
125 18.7 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.31 ng

RT: 16.51 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

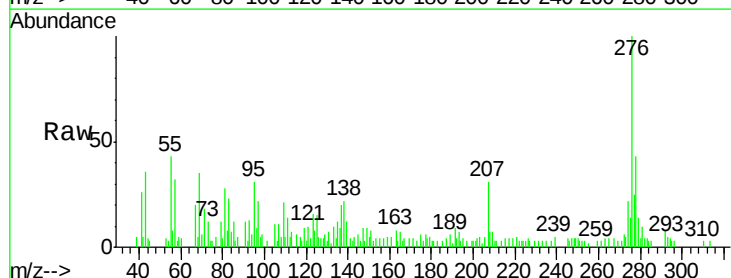
Tgt Ion:278 Resp: 12311

Ion Ratio Lower Upper

278 100

139 29.0 15.7 23.5#

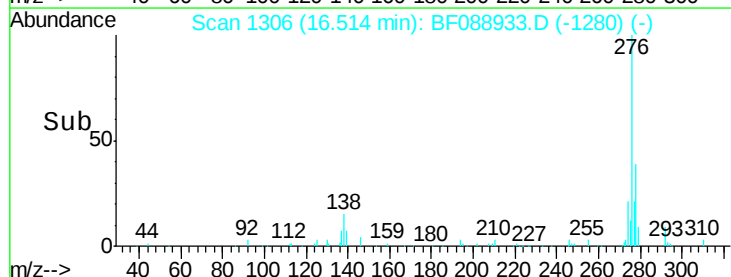
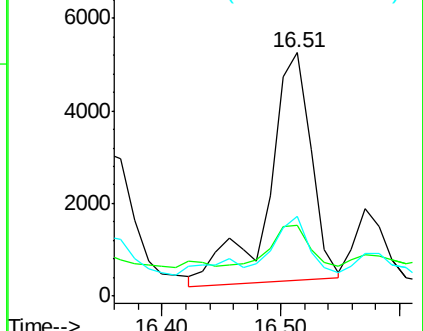
279 32.7 19.4 29.2#

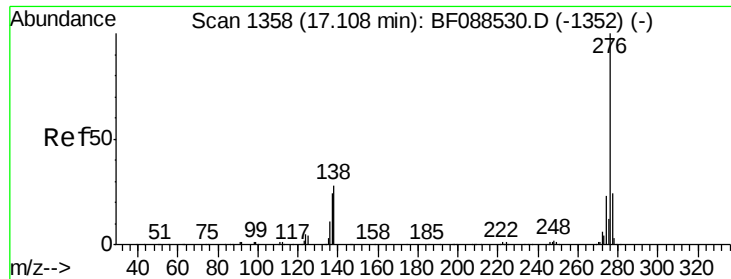


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.17 ng

RT: 16.89 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BF088933.D

Acq: 12 Jul 2016 21:58

Instrument :

BNA_F

ClientSampleId :

C2.3-02

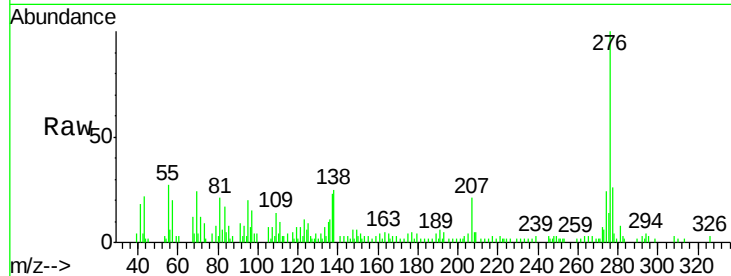
Tgt Ion: 276 Resp: 33987

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 25.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

