

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
 Data File : BF088937.D
 Acq On : 12 Jul 2016 23:56
 Operator : UM/SJ
 Sample : H3935-24
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C3-02

Quant Time: Jul 13 02:19:29 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	65157	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	233688	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	94270	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	143812	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	124163	20.00	ng	-0.01
86) Perylene-d12	15.22	264	118143	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	484385	111.42	ng	0.02
7) Phenol-d6	6.36	99	683082	121.60	ng	0.01
23) Nitrobenzene-d5	7.27	82	408491	91.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	94022	107.41	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	659580	110.52	ng	0.00
78) Terphenyl-d14	12.80	244	334138	59.94	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.48	93	746	0.09	ng	# 1
9) Benzaldehyde	6.24	77	1265	0.33	ng	# 80
10) Phenol	6.38	94	6498	1.01	ng	# 98
11) bis(2-Chloroethyl)ether	6.48	93	746	0.16	ng	# 1
15) Benzyl Alcohol	6.86	79	7655	1.85	ng	# 47
17) 2-Methylphenol	6.86	107	221	0.06	ng	# 1
19) n-Nitroso-di-n-propylamine	7.27	70	54441	14.43	ng	# 74
22) Acetophenone	7.11	105	1771	0.31	ng	# 70
24) Nitrobenzene	7.27	77	1520	0.34	ng	# 20
25) Isophorone	7.27	82	367044	44.44	ng	# 65
31) Naphthalene	8.01	128	24649	2.14	ng	# 99
33) 4-Chloroaniline	8.01	127	3312	0.65	ng	# 34
35) Caprolactam	8.43	113	748	0.71	ng	# 87
37) 2-Methylnaphthalene	8.71	142	13824	1.86	ng	# 96
45) 1,1'-Biphenyl	9.16	154	3690	0.47	ng	# 95
46) 2-Chloronaphthalene	9.27	162	219	0.04	ng	# 36
47) 2-Nitroaniline	9.40	65	418	0.19	ng	# 7
48) Acenaphthylene	9.60	152	11101	1.14	ng	# 99
49) Dimethylphthalate	9.46	163	97681	14.54	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	909	0.61	ng	# 1
51) Acenaphthene	9.77	154	44803	7.50	ng	# 97
54) Dibenzofuran	9.94	168	25349	3.24	ng	# 88
55) 4-Nitrophenol	9.94	139	10517	7.31	ng	# 8
56) 2,4-Dinitrotoluene	9.90	165	474	0.24	ng	# 40
57) Fluorene	10.28	166	31303	5.19	ng	# 100
59) Diethylphthalate	10.16	149	529	0.08	ng	# 60
61) 4-Nitroaniline	10.28	138	296	0.16	ng	# 22
62) Azobenzene	10.44	77	736	0.10	ng	# 1
65) n-Nitrosodiphenylamine	10.40	169	2793	0.57	ng	# 69
66) 4-Bromophenyl-phenylether	10.52	248	6612	4.56	ng	# 1
70) Phenanthrene	11.24	178	300950	38.28	ng	# 98
71) Anthracene	11.29	178	85611	10.95	ng	# 98
72) Carbazole	11.45	167	44883	6.10	ng	# 98
73) Di-n-butylphthalate	11.79	149	3125	0.37	ng	# 74

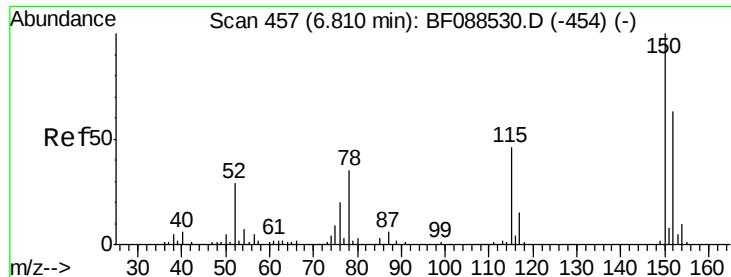
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071216\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.42	202	400428	50.24	ng	99
76) Benzidine	12.53	184	3969	0.63	ng	# 77
77) Pyrene	12.65	202	365843	34.75	ng	99
79) Butylbenzylphthalate	13.28	149	287	0.06	ng	# 1
80) Benzo(a)anthracene	13.83	228	243837	30.50	ng	97
81) 3,3'-Dichlorobenzidine	13.77	252	249	0.08	ng	# 1
82) Chrysene	13.83	228	243837	30.83	ng	96
83) Bis(2-ethylhexyl)phthalate	13.84	149	6051	1.13	ng	# 97
84) Di-n-octyl phthalate	14.46	149	523	0.06	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.50	276	80924	13.30	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	334545	45.14	ng	# 96
88) Benzo(k)fluoranthene	14.85	252	334545	51.85	ng	98
89) Benzo(a)pyrene	15.11	252	116728	18.60	ng	99
90) Dibenzo(a,h)anthracene	16.66	278	17118	3.27	ng	94
91) Benzo(g,h,i)perylene	16.89	276	70607	13.02	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampled :

C3-02

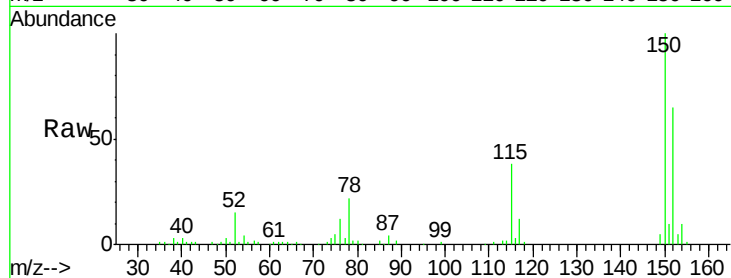
Tgt Ion:152 Resp: 65157

Ion Ratio Lower Upper

152 100

150 153.2 123.8 185.6

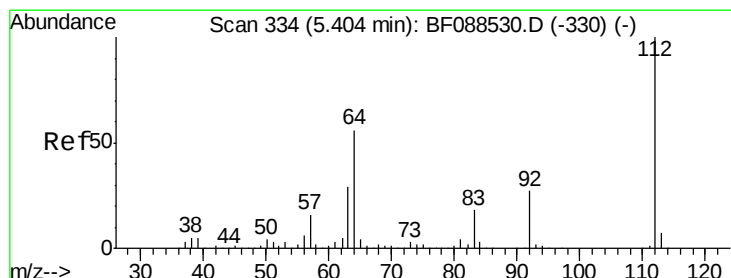
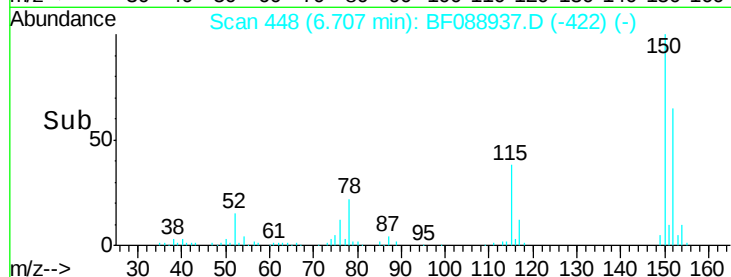
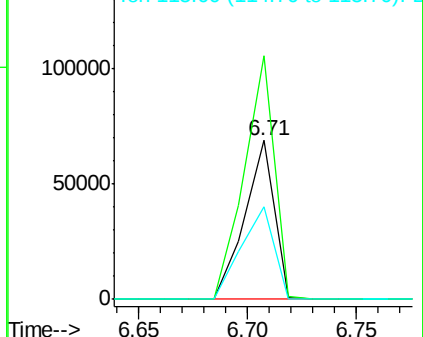
115 58.5 39.6 59.4



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



#5

2-Fluorophenol

Concen: 111.42 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

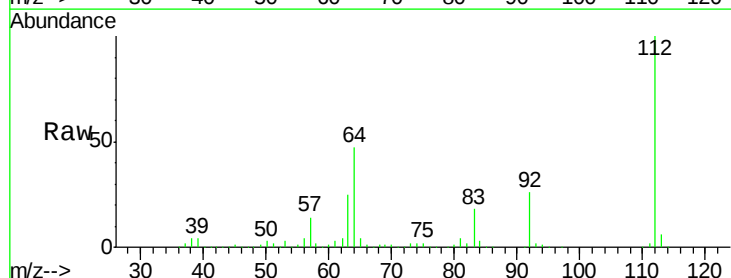
Tgt Ion:112 Resp: 484385

Ion Ratio Lower Upper

112 100

64 47.0 42.2 63.2

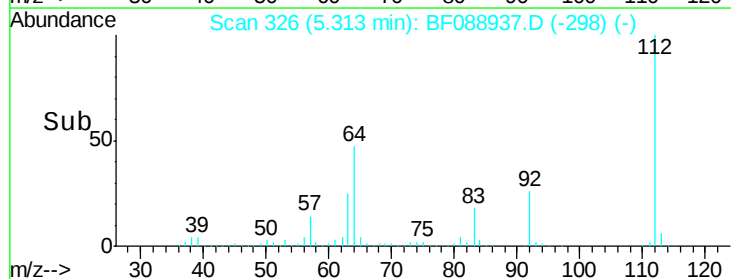
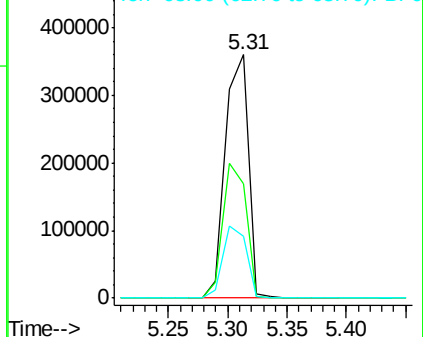
63 25.2 21.8 32.8

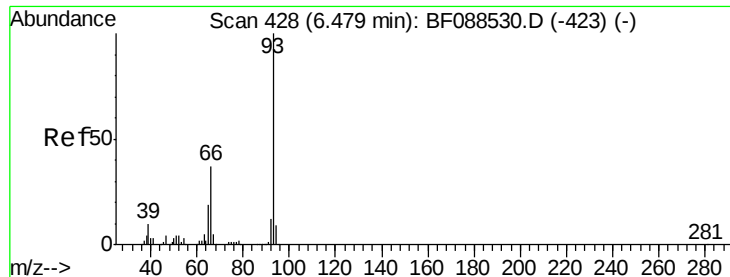


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.09 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.10 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

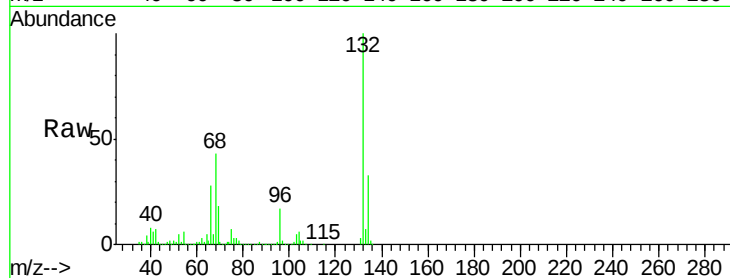
Tgt Ion: 93 Resp: 746

Ion Ratio Lower Upper

93 100

66 19118.3 29.8 44.8#

65 1622.2 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

200000

150000

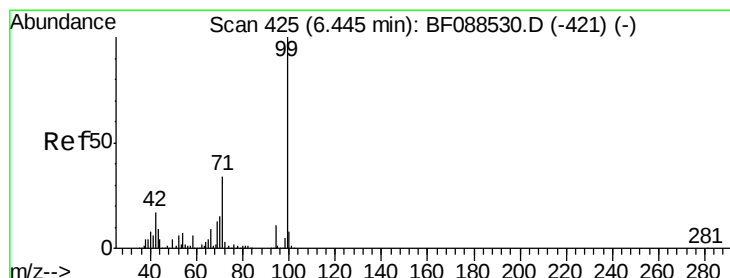
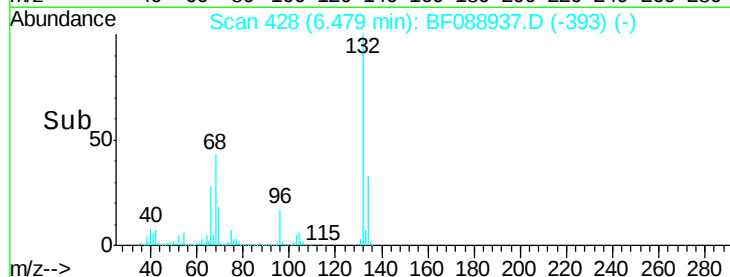
100000

50000

0

6.45 6.48 6.50

Time-->



#7

Phenol-d6

Concen: 121.60 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

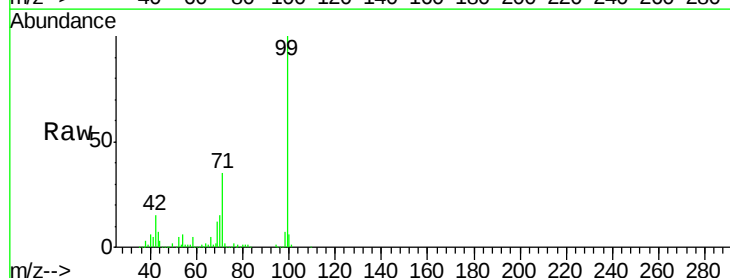
Tgt Ion: 99 Resp: 683082

Ion Ratio Lower Upper

99 100

42 14.6 12.2 18.2

71 35.1 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

600000

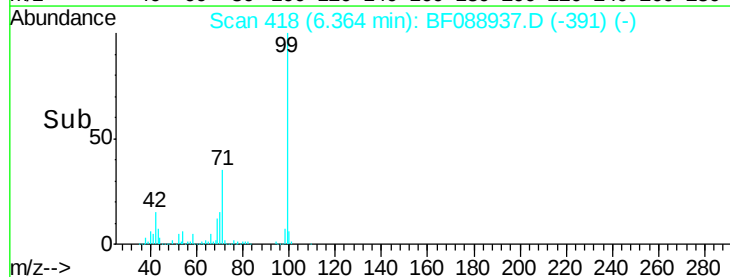
400000

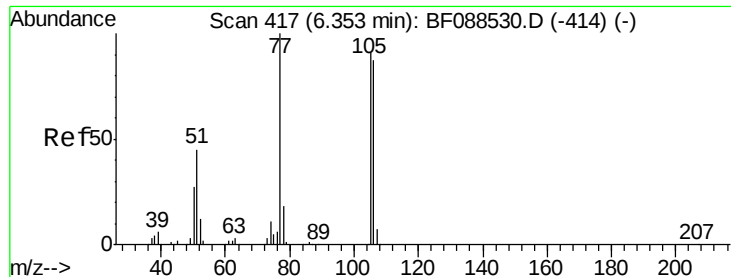
200000

0

6.30 6.35 6.40 6.45

Time-->





#9

Benzaldehyde

Concen: 0.33 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

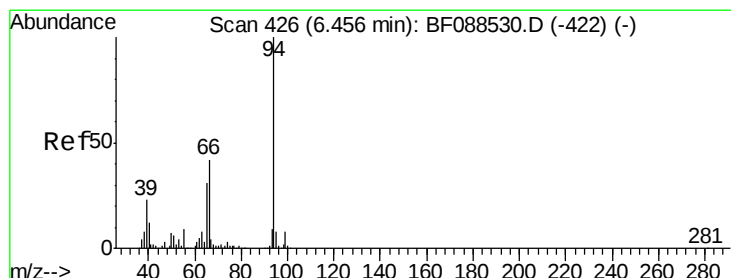
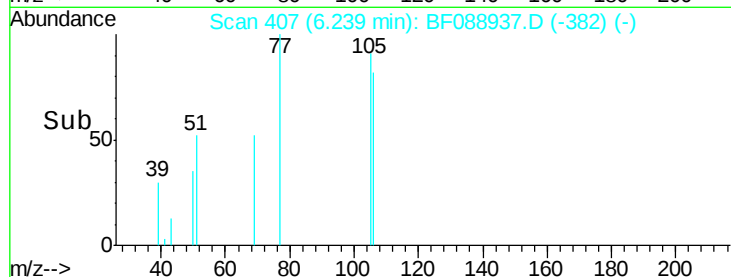
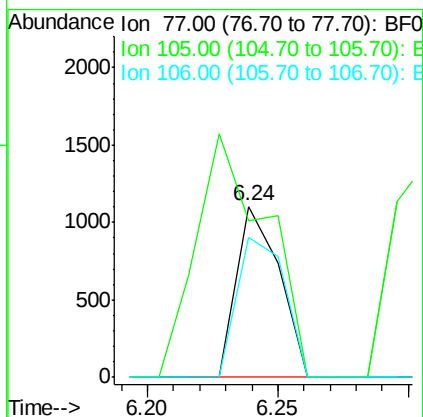
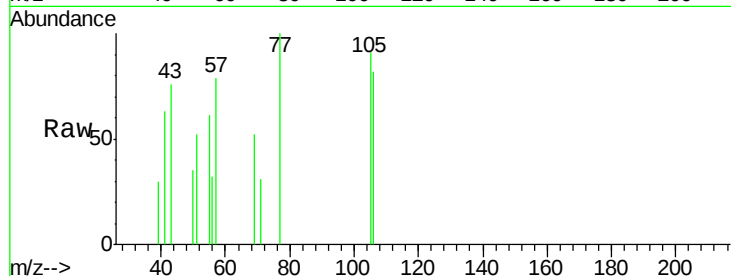
Tgt Ion: 77 Resp: 1265

Ion Ratio Lower Upper

77 100

105 91.3 90.6 130.6

106 82.1 85.3 125.3#



#10

Phenol

Concen: 1.01 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

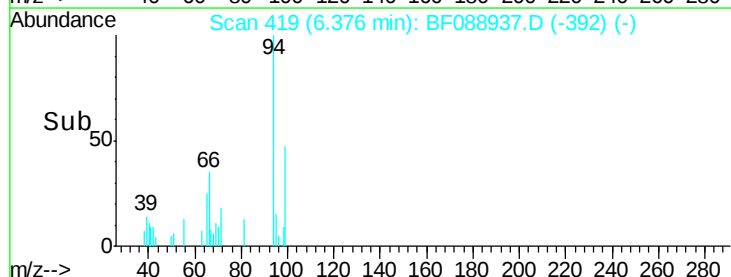
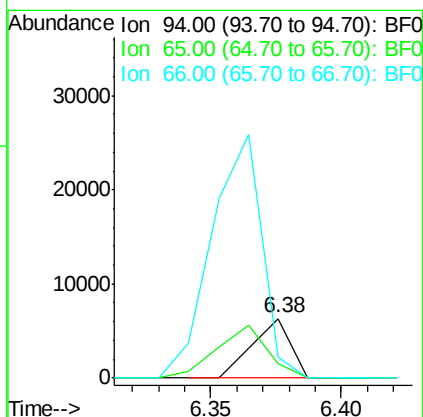
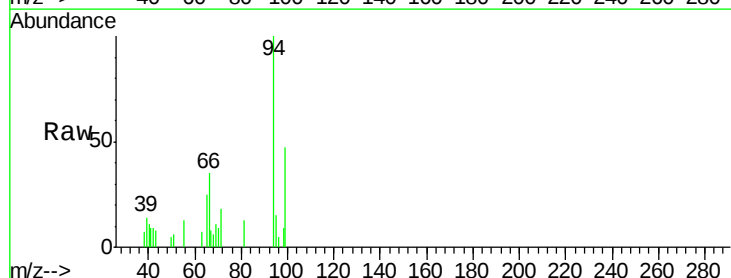
Tgt Ion: 94 Resp: 6498

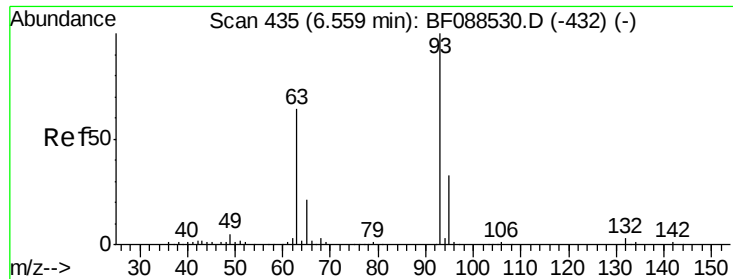
Ion Ratio Lower Upper

94 100

65 24.7 5.9 45.9

66 35.4 14.0 54.0

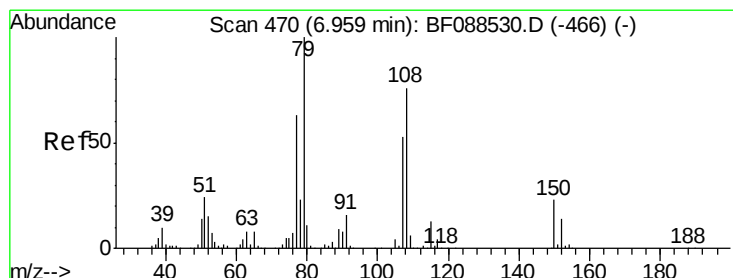
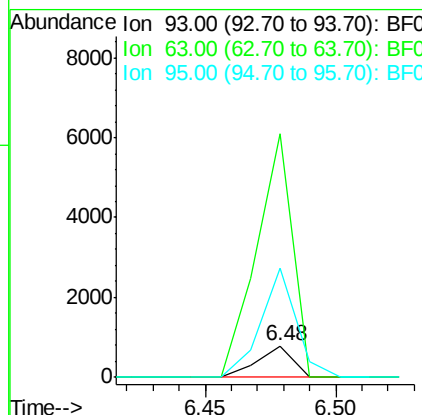
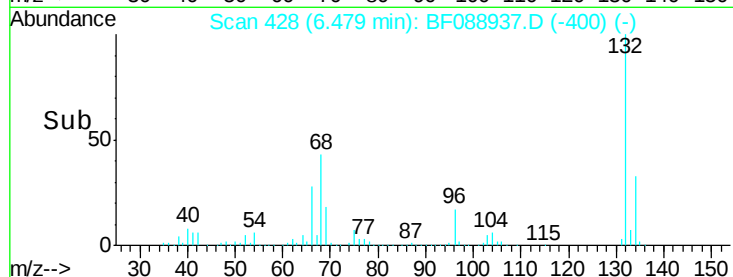
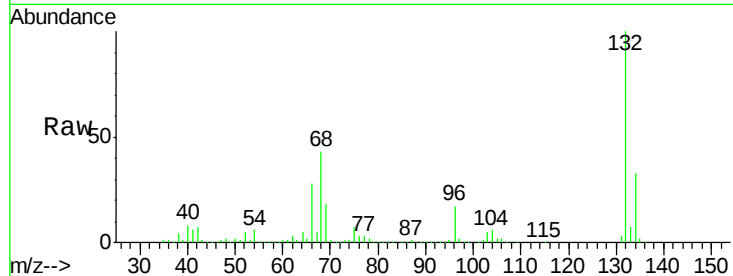




#11
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.02 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

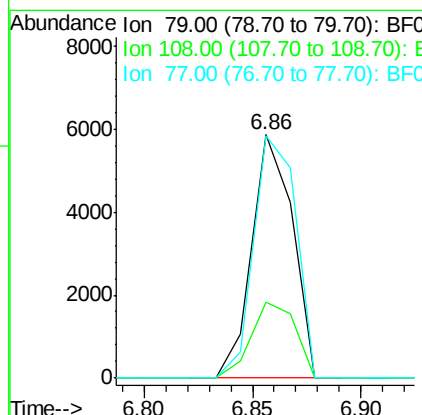
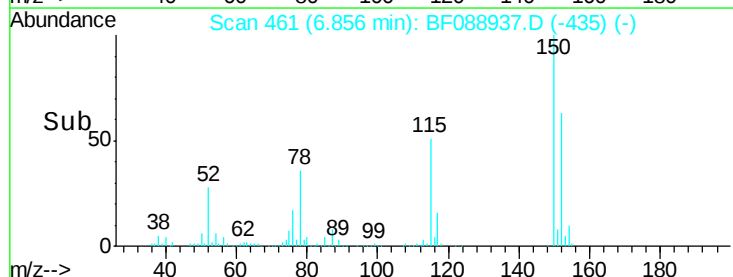
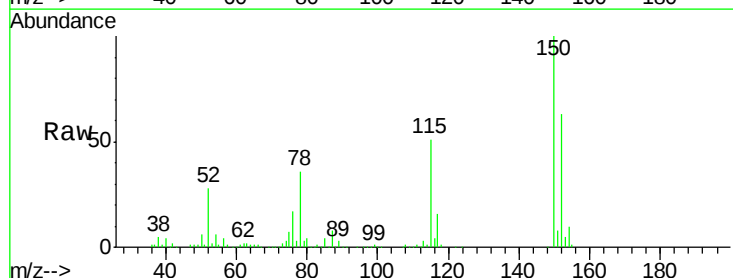
Instrument :
BNA_F
ClientSampleId :
C3-02

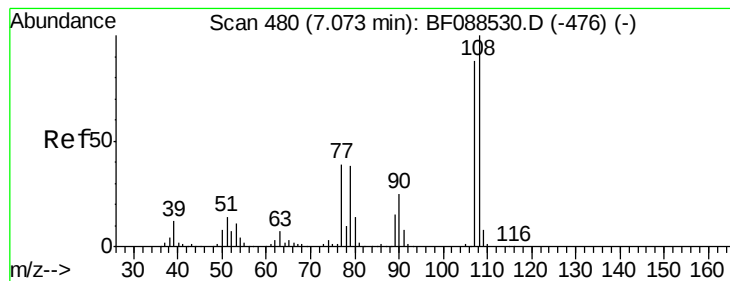
Tgt Ion: 93 Resp: 746
Ion Ratio Lower Upper
93 100
63 778.3 67.6 107.6#
95 350.2 12.5 52.5#



#15
Benzyl Alcohol
Concen: 1.85 ng
RT: 6.86 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion: 79 Resp: 7655
Ion Ratio Lower Upper
79 100
108 31.0 65.0 97.6#
77 99.6 50.3 75.5#





#17

2-Methylphenol

Concen: 0.06 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.13 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampled :

C3-02

Tgt Ion: 107 Resp: 221

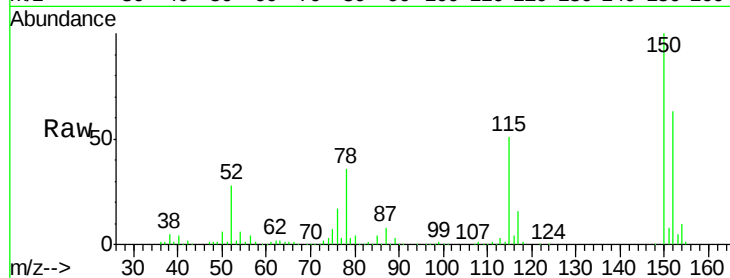
Ion Ratio Lower Upper

107 100

108 562.5 90.9 136.3#

77 1809.3 36.6 55.0#

79 1817.3 36.5 54.7#

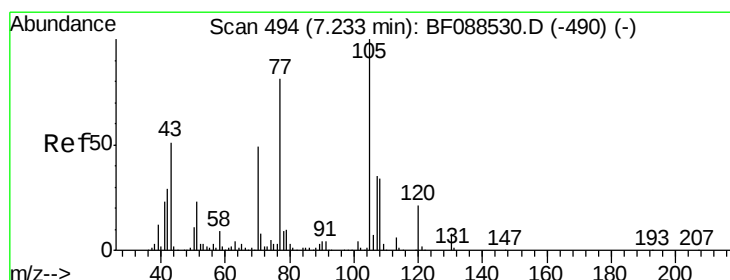
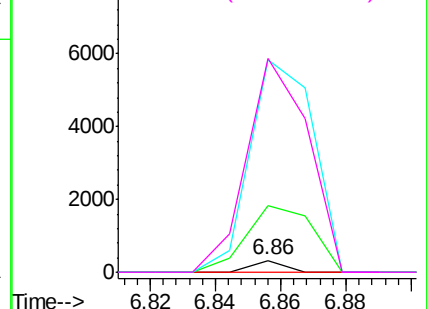
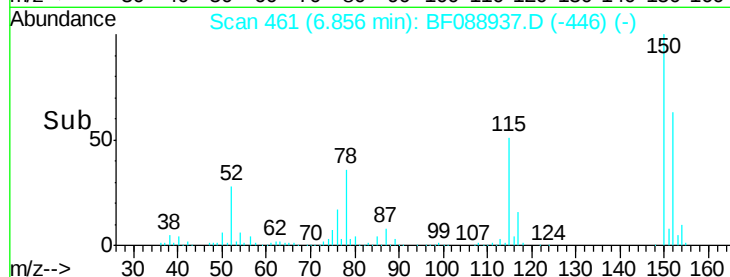


Abundance Ion 107.00 (106.70 to 107.70): E

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: 14.43 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Tgt Ion: 70 Resp: 54441

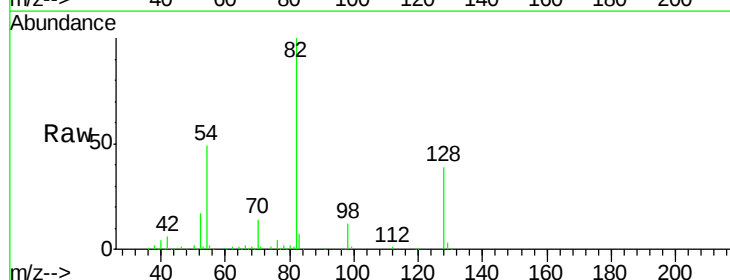
Ion Ratio Lower Upper

70 100

42 44.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

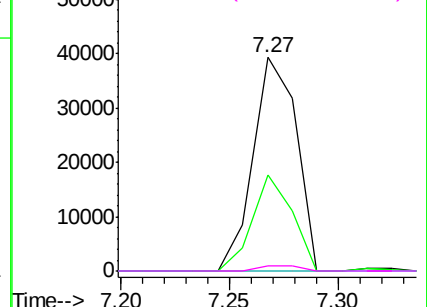
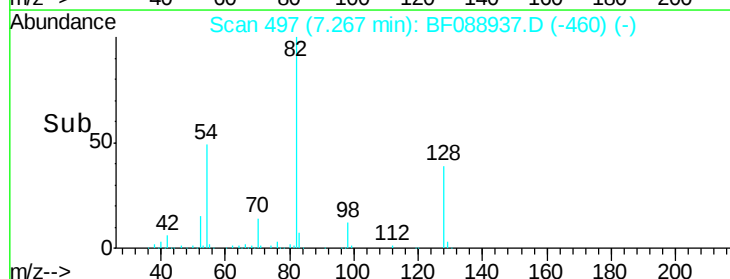


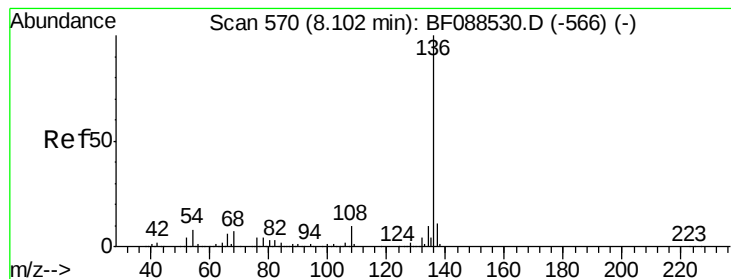
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

Tgt Ion:136 Resp: 233688

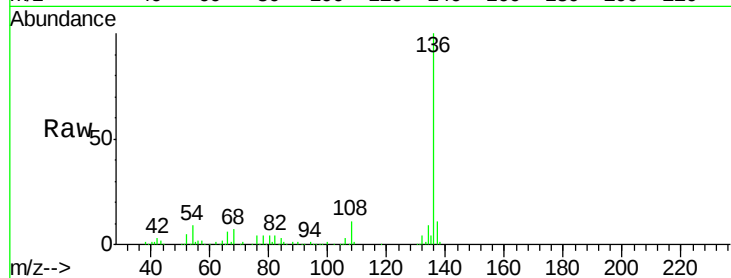
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.6 6.6 10.0

68 6.7 5.1 7.7

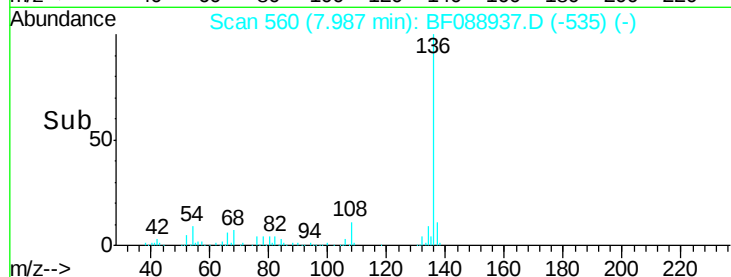


Abundance Ion 136.00 (135.70 to 136.70): E

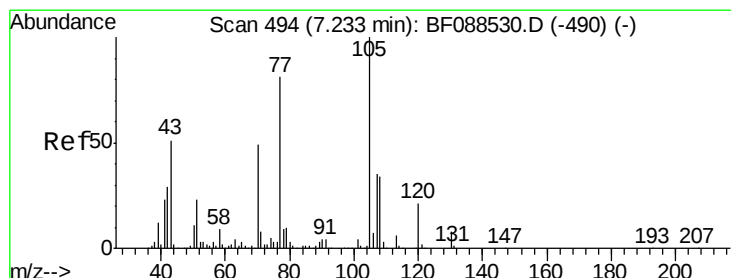
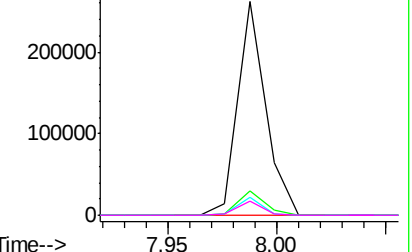
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 0.31 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Tgt Ion:105 Resp: 1771

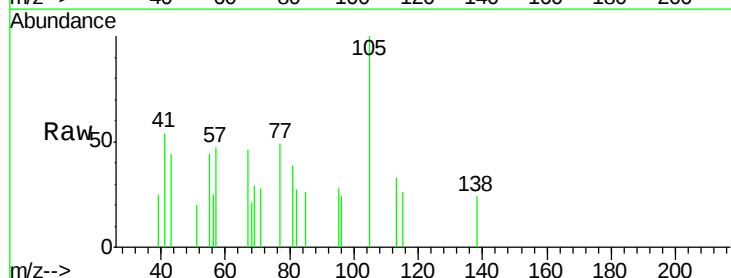
Ion Ratio Lower Upper

105 100

71 28.1 5.3 7.9#

51 20.4 18.2 27.4

120 0.0 18.0 27.0#

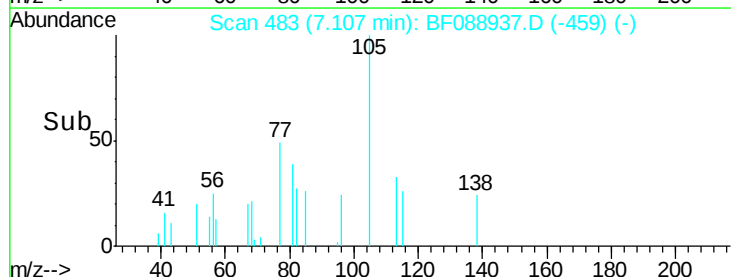


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

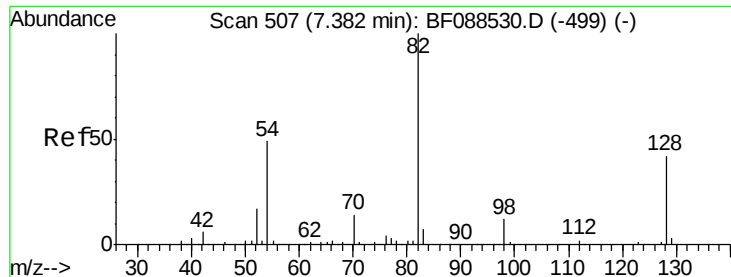
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

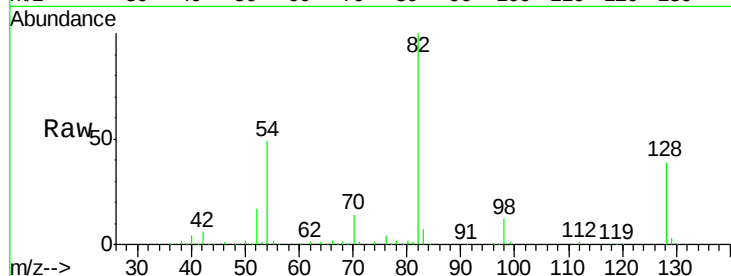




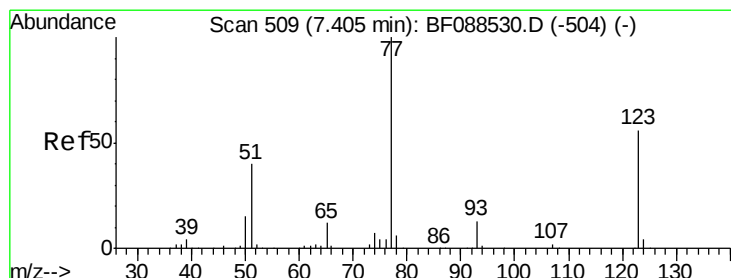
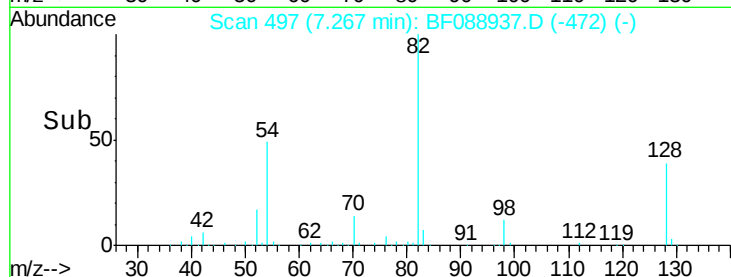
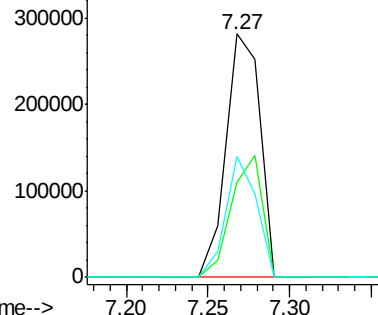
#23
Nitrobenzene-d5
Concen: 91.60 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Instrument :
BNA_F
ClientSampleId :
C3-02

Tgt Ion: 82 Resp: 408491
Ion Ratio Lower Upper
82 100
128 39.2 35.9 53.9
54 49.4 40.9 61.3

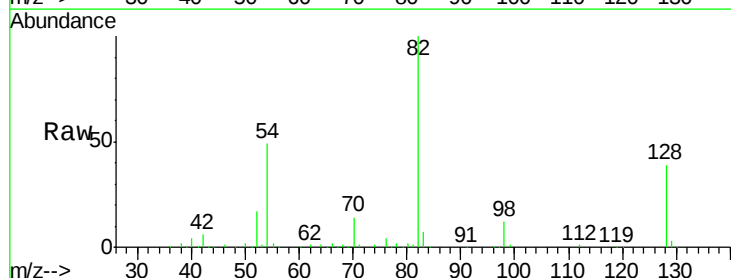


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

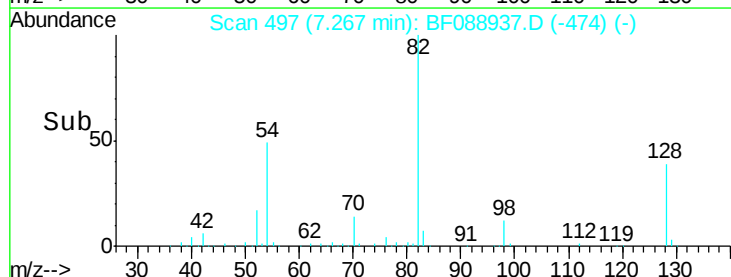
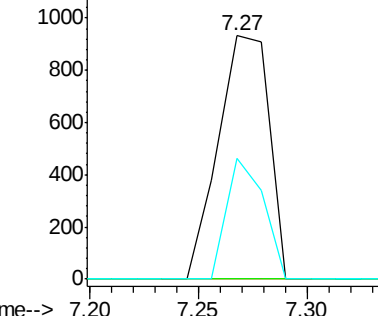


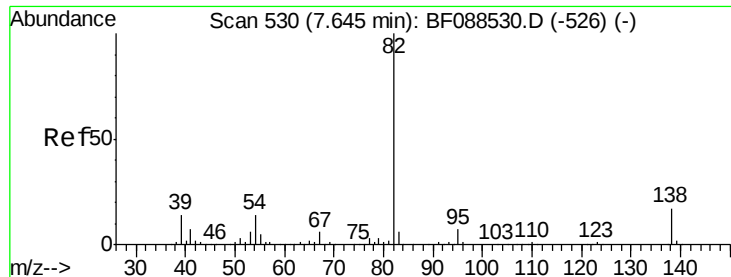
#24
Nitrobenzene
Concen: 0.34 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.03 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion: 77 Resp: 1520
Ion Ratio Lower Upper
77 100
123 0.0 45.0 67.4#
65 49.4 10.2 15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 44.44 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

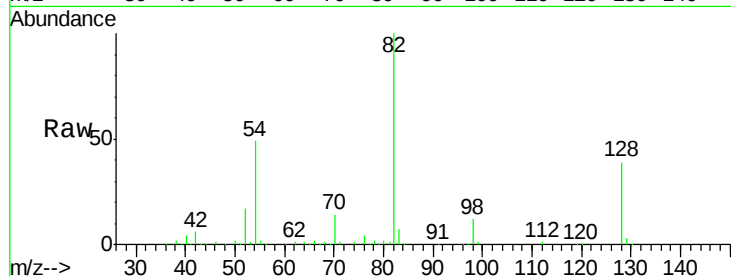
Tgt Ion: 82 Resp: 367044

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

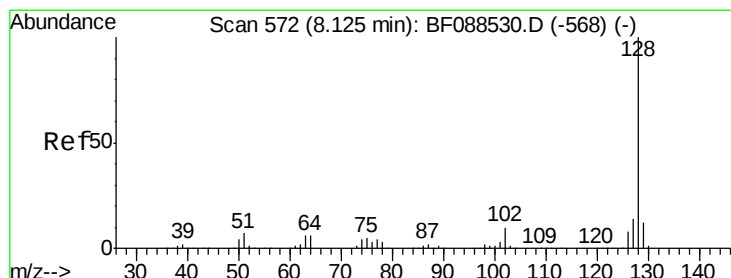
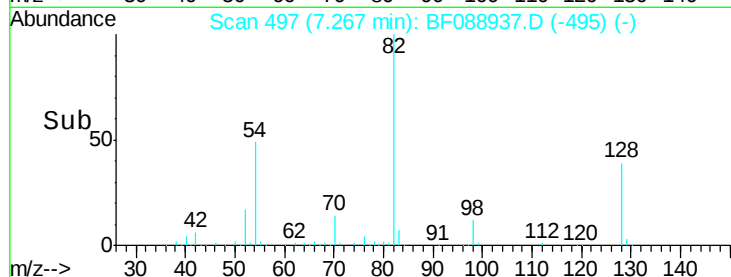
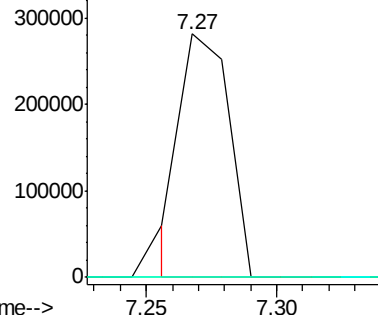
138 0.0 14.6 21.8#



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): E



#31

Naphthalene

Concen: 2.14 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

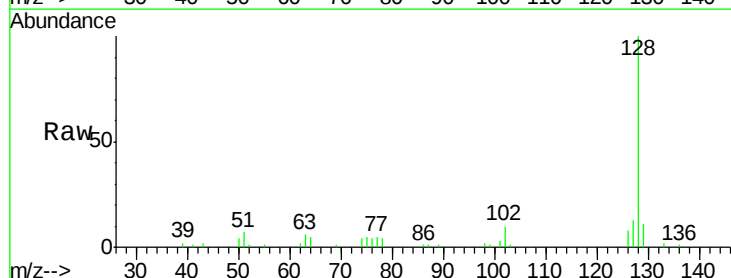
Tgt Ion: 128 Resp: 24649

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

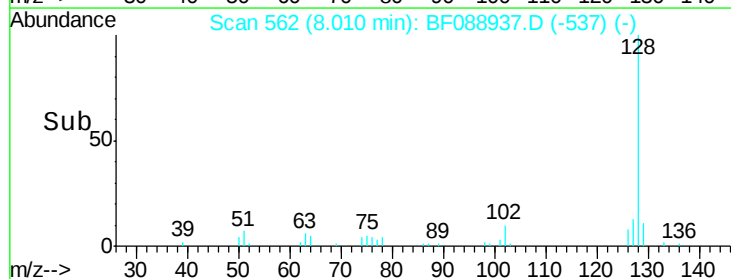
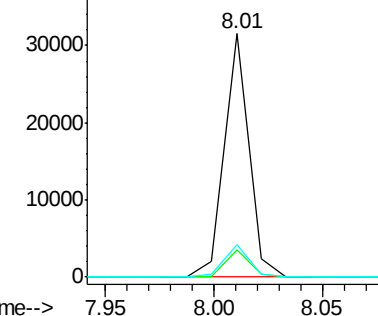
127 13.2 10.9 16.3

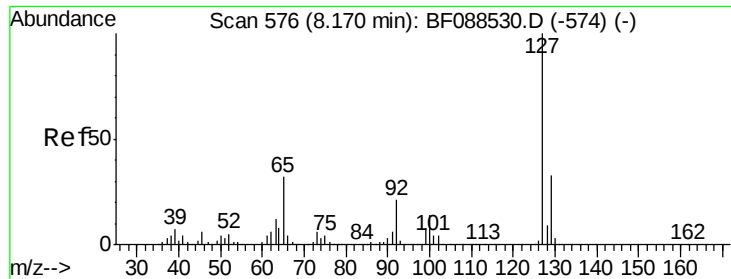


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

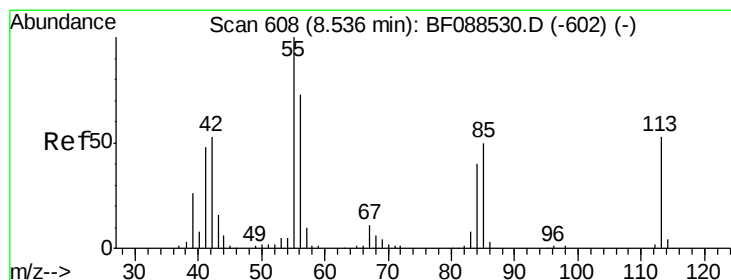
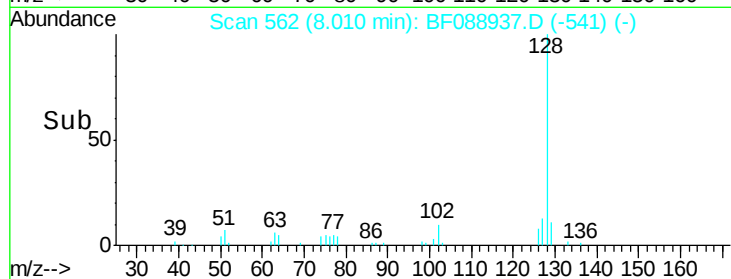
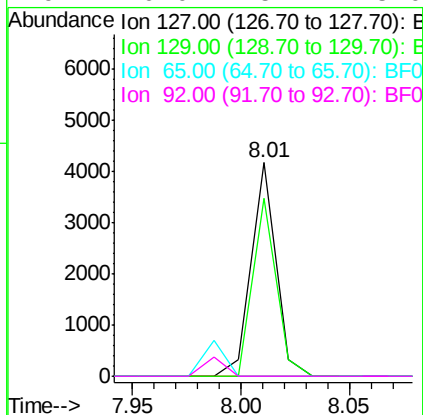
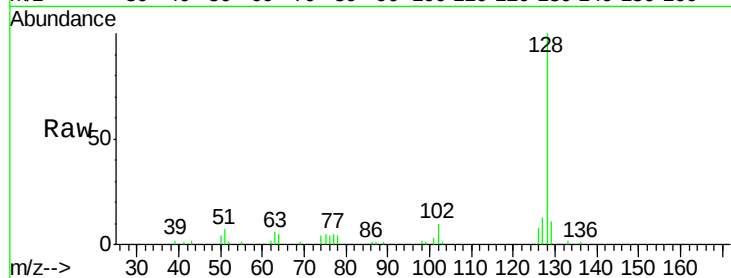




#33
4-Chloroaniline
Concen: 0.65 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.06 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

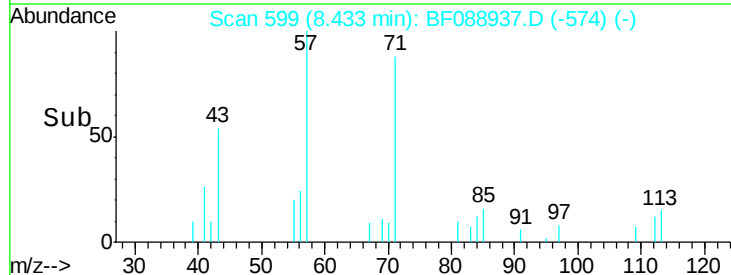
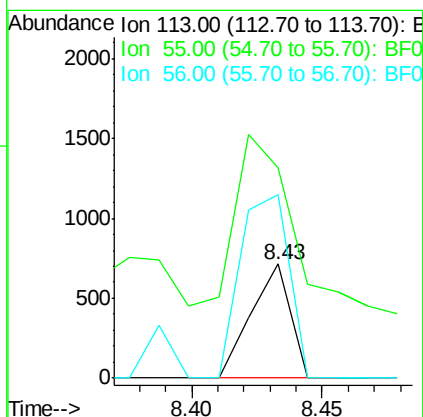
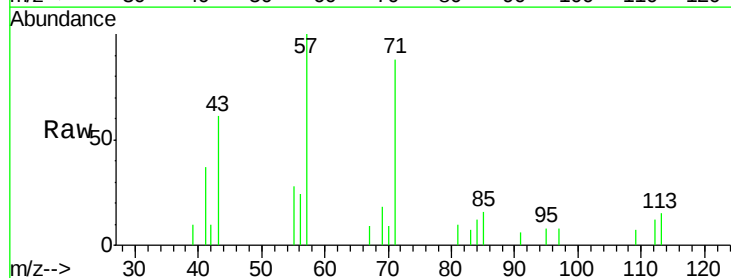
Instrument :
BNA_F
ClientSampleId :
C3-02

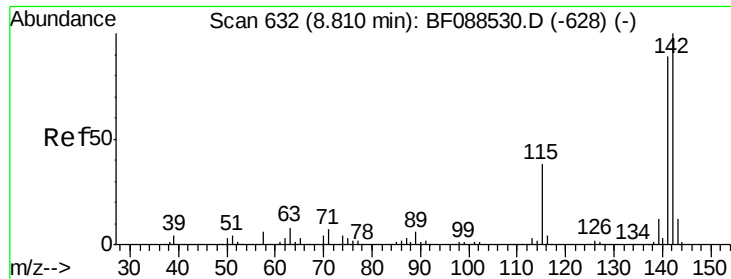
Tgt Ion:127 Resp: 3312
Ion Ratio Lower Upper
127 100
129 83.2 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#



#35
Caprolactam
Concen: 0.71 ng
RT: 8.43 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion:113 Resp: 748
Ion Ratio Lower Upper
113 100
55 184.5 158.6 198.6
56 160.4 110.6 150.6#

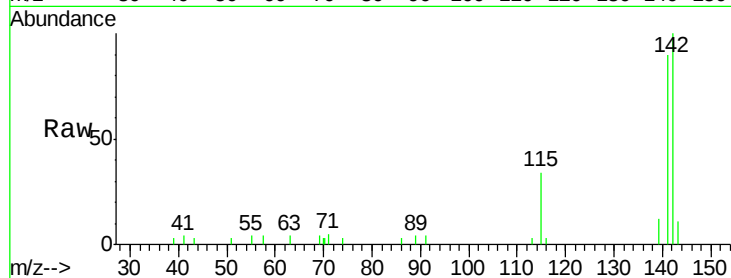




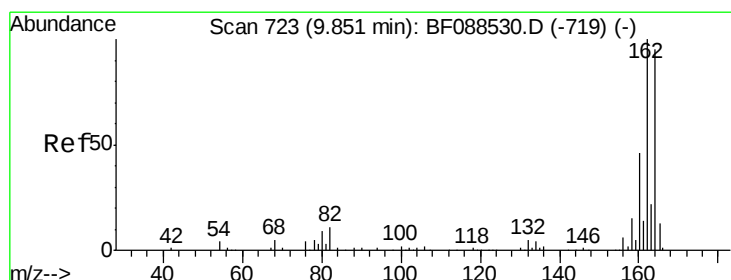
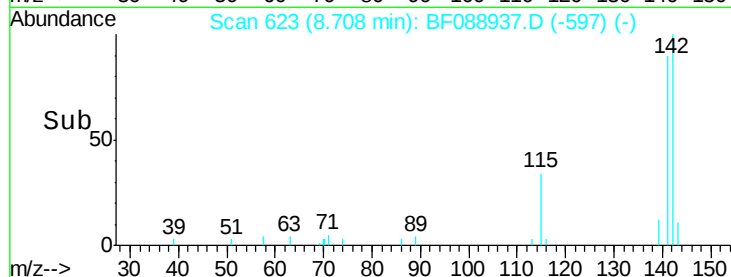
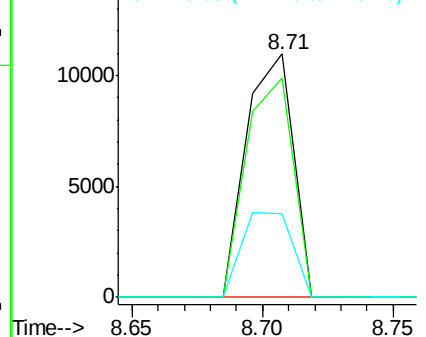
#37
 2-Methylnaphthalene
 Concen: 1.86 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Instrument :
 BNA_F
 ClientSampled :
 C3-02

Tgt Ion:142 Resp: 13824
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.0 106.6
 115 34.4 22.6 33.8#

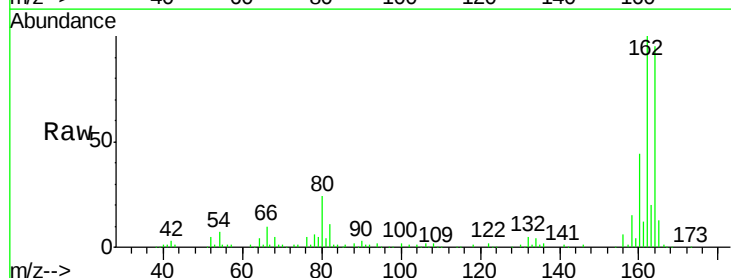


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

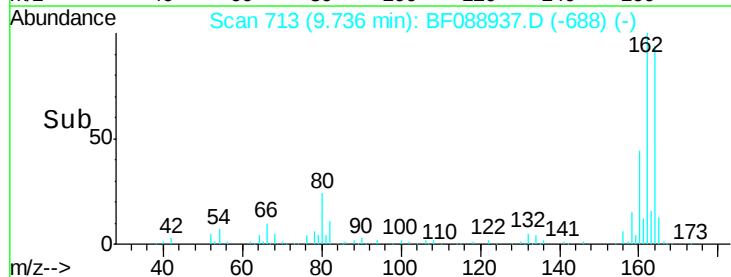
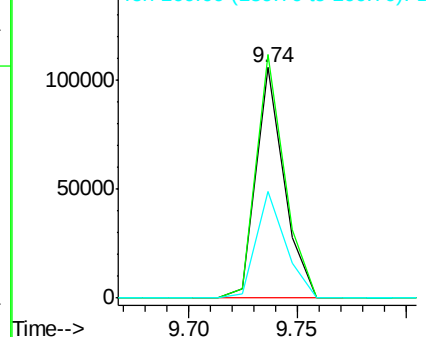


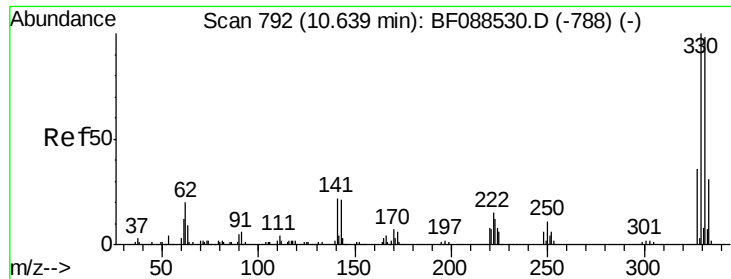
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Tgt Ion:164 Resp: 94270
 Ion Ratio Lower Upper
 164 100
 162 105.6 85.4 128.2
 160 46.4 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

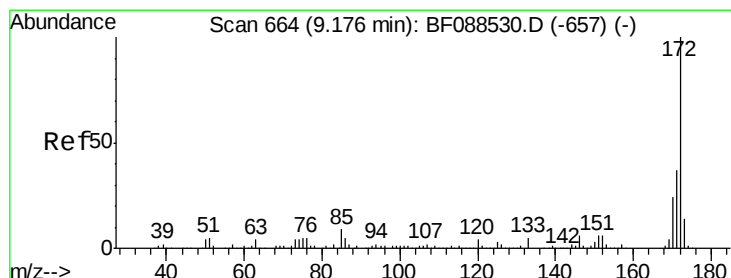
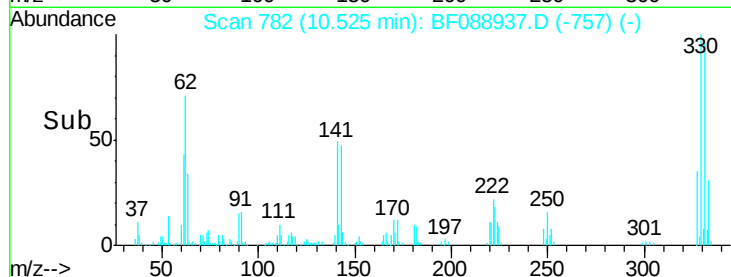
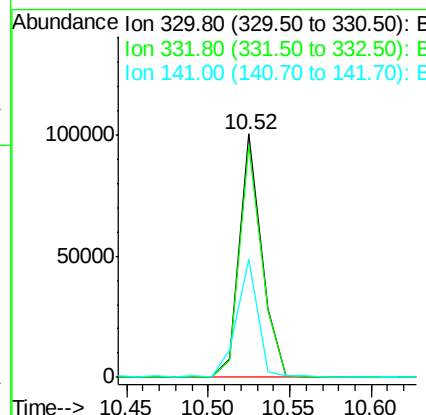
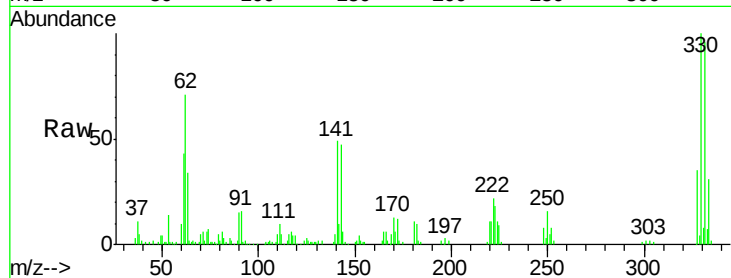




#41
 2,4,6-Tribromophenol
 Concen: 107.41 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

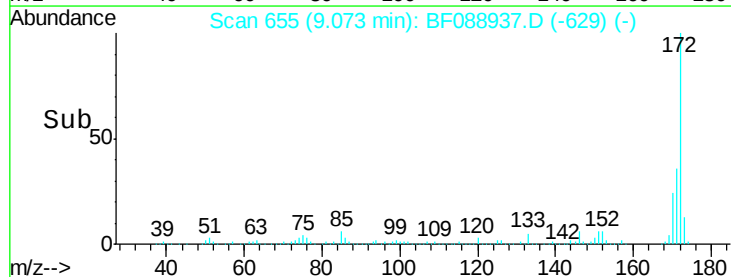
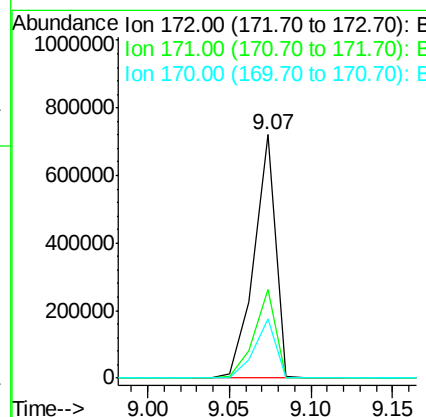
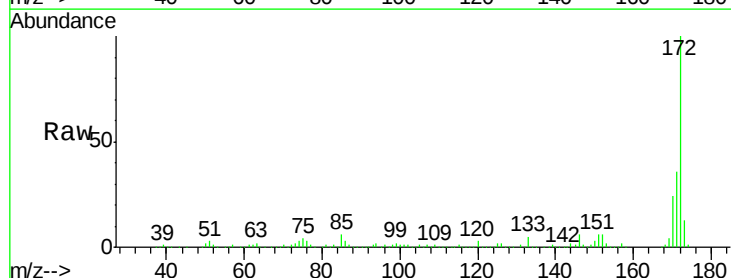
Instrument :
 BNA_F
 ClientSampleId :
 C3-02

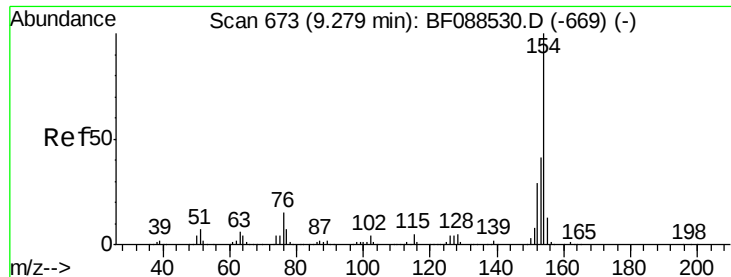
Tgt Ion:330 Resp: 94022
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 48.1 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 110.52 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Tgt Ion:172 Resp: 659580
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.1 19.2 28.8

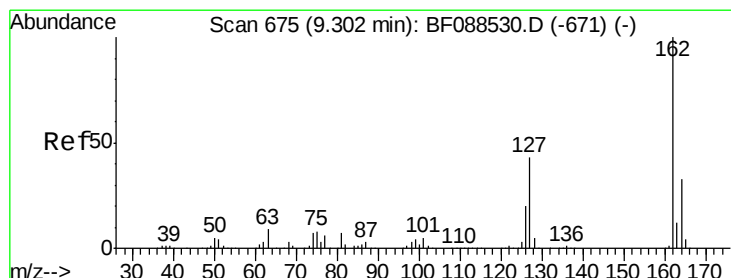
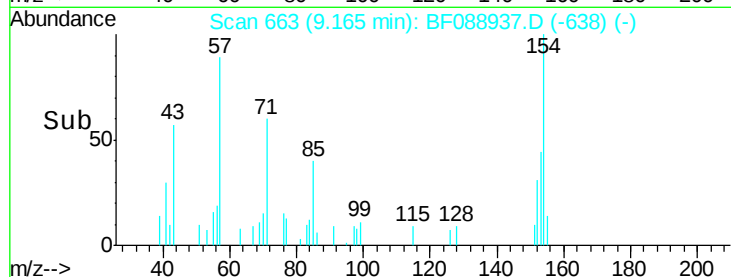
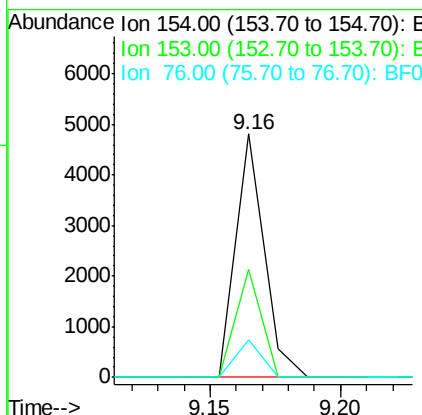
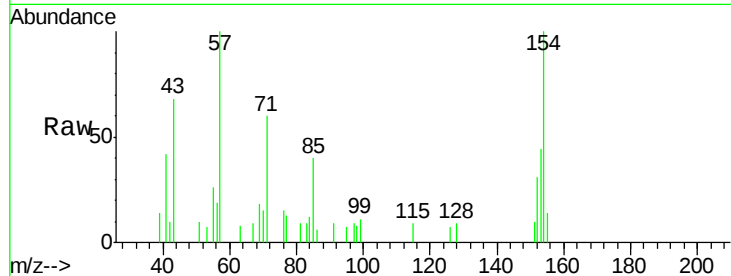




#45
 1,1'-Biphenyl
 Concen: 0.47 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

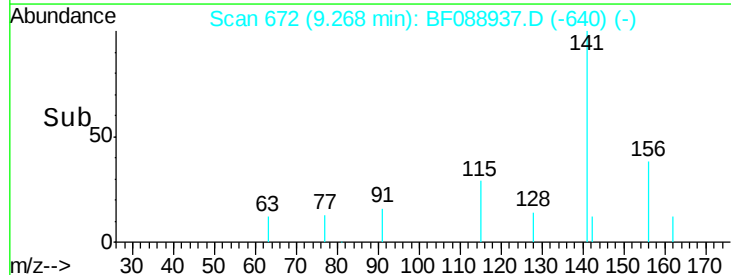
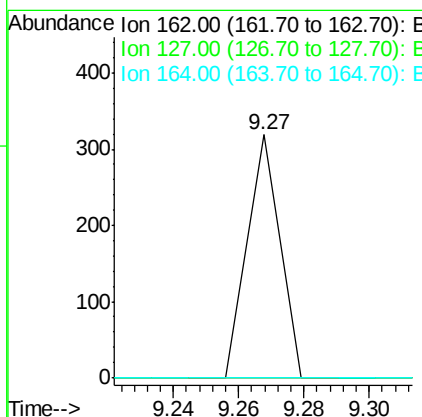
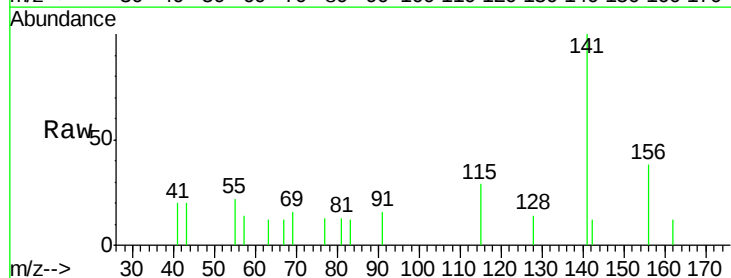
Instrument :
 BNA_F
 ClientSampleID :
 C3-02

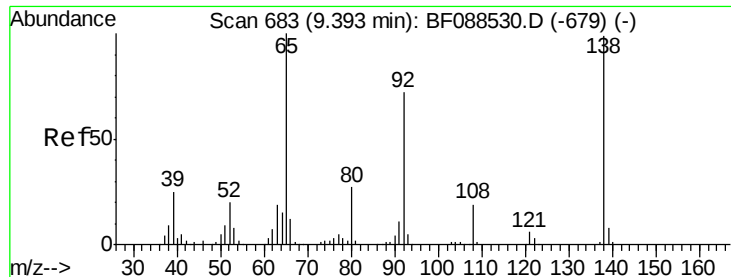
Tgt Ion:	154	Resp:	3690
Ion	Ratio	Lower	Upper
154	100		
153	44.4	20.6	60.6
76	15.2	0.0	35.1



#46
 2-Chloronaphthalene
 Concen: 0.04 ng
 RT: 9.27 min Scan# 672
 Delta R.T. 0.07 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Tgt Ion:	162	Resp:	219
Ion	Ratio	Lower	Upper
162	100		
127	0.0	35.2	52.8#
164	0.0	26.6	39.8#

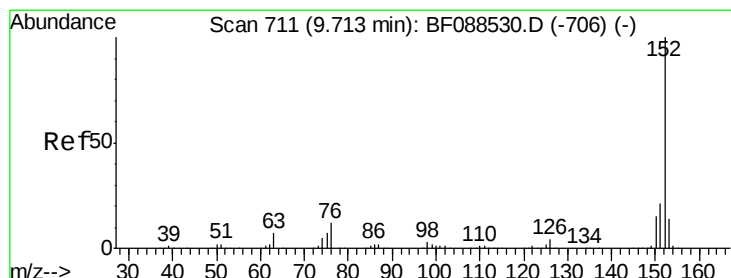
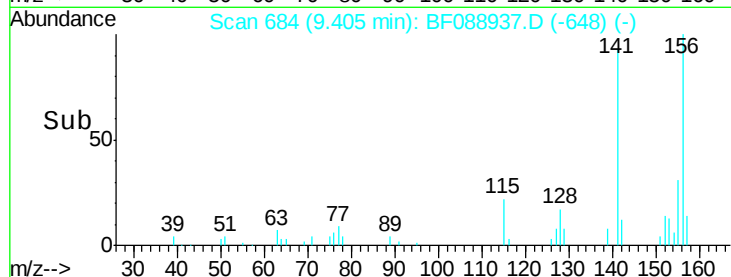
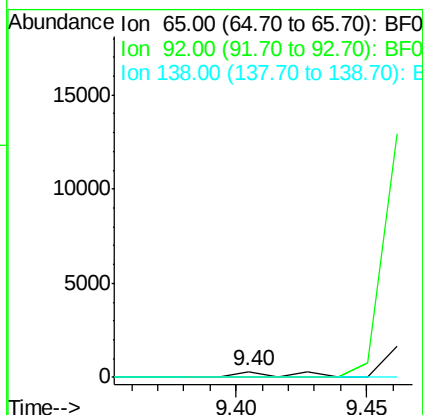
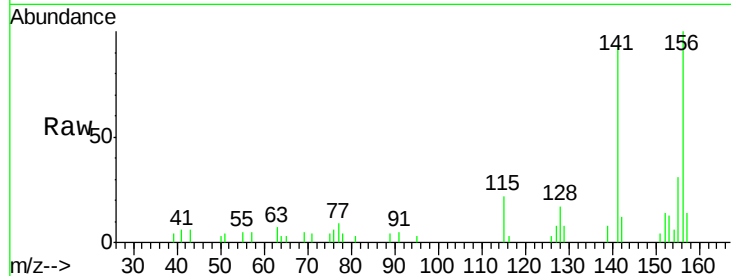




#47
2-Nitroaniline
Concen: 0.19 ng
RT: 9.40 min Scan# 684
Delta R.T. 0.11 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

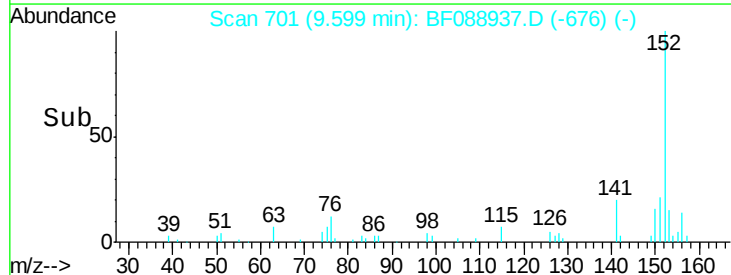
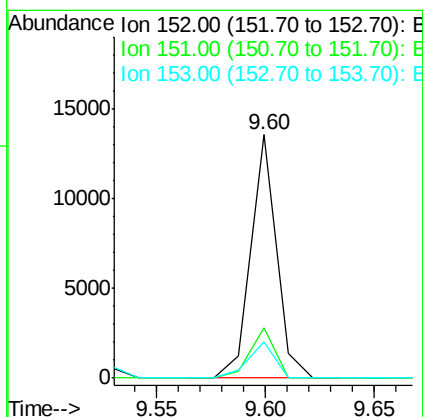
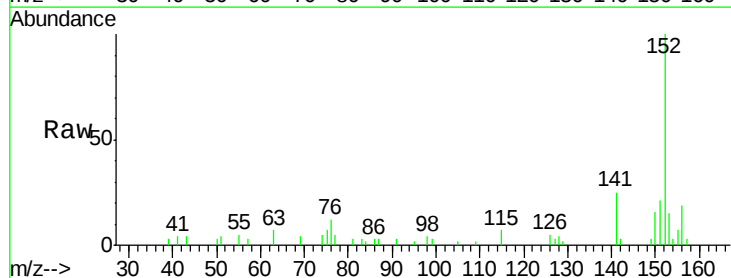
Instrument :
BNA_F
ClientSampleId :
C3-02

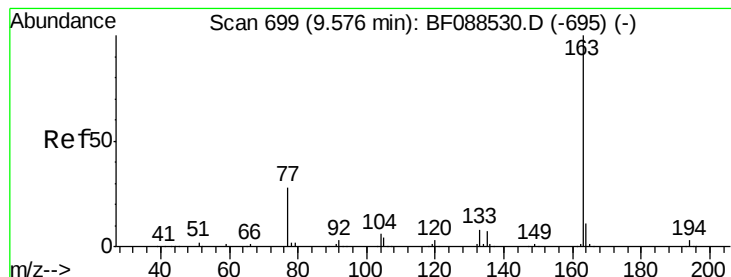
Tgt Ion: 65 Resp: 418
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 77.0 115.4#



#48
Acenaphthylene
Concen: 1.14 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion: 152 Resp: 11101
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 14.8 11.0 16.6





#49

Dimethylphthalate

Concen: 14.54 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

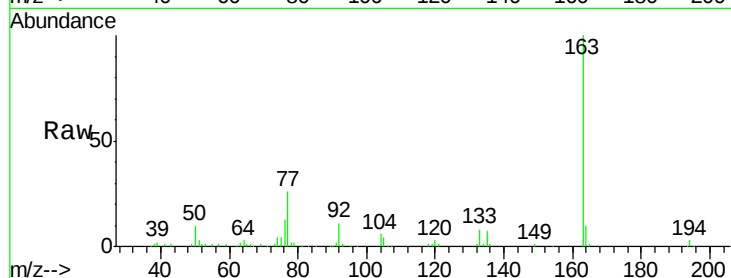
Tgt Ion:163 Resp: 97681

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

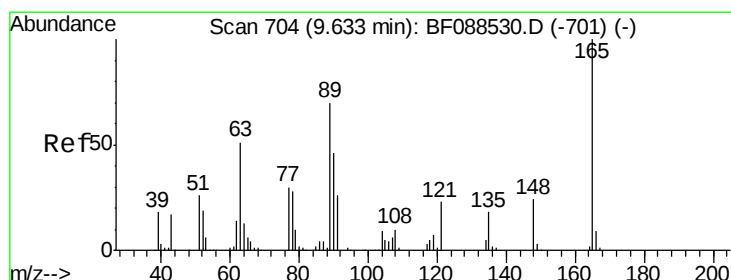
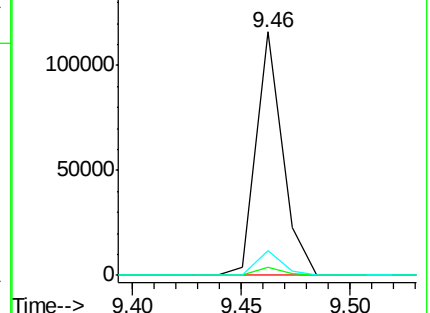
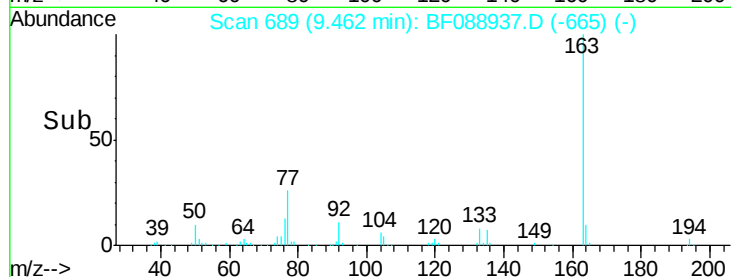
164 10.1 8.3 12.5



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: 0.61 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.08 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

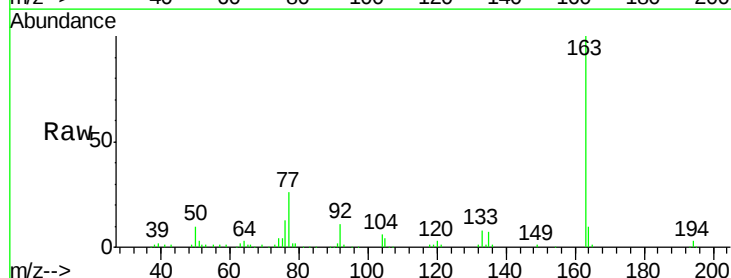
Tgt Ion:165 Resp: 909

Ion Ratio Lower Upper

165 100

63 198.9 28.1 42.1#

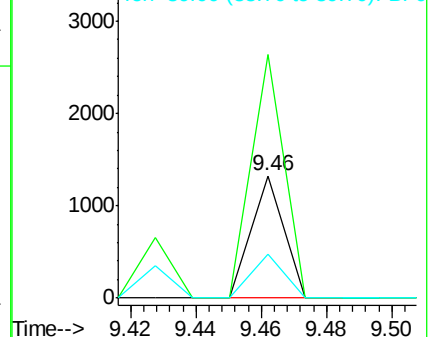
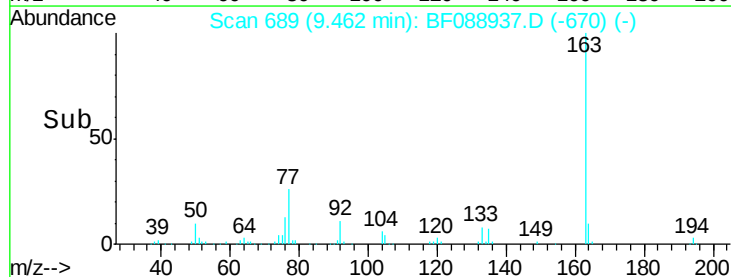
89 35.5 32.2 48.2

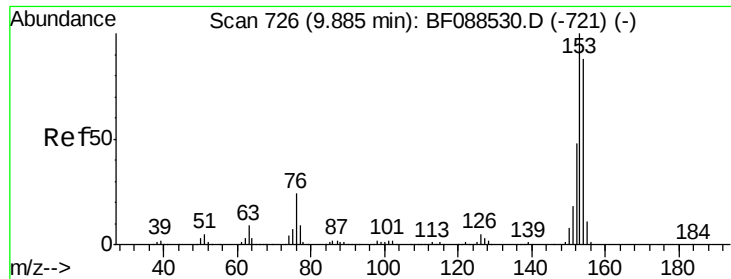


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 7.50 ng

RT: 9.77 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

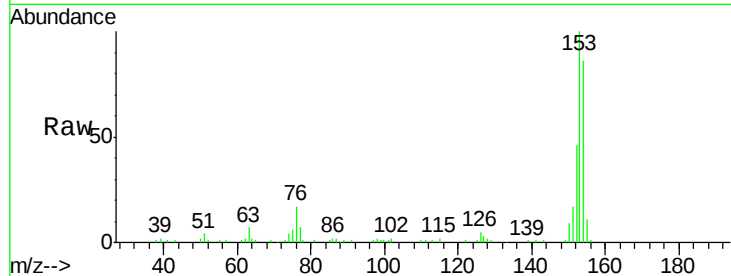
Tgt Ion:154 Resp: 44803

Ion Ratio Lower Upper

154 100

153 116.0 89.5 134.3

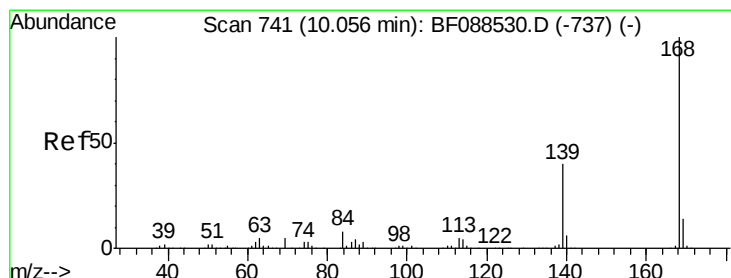
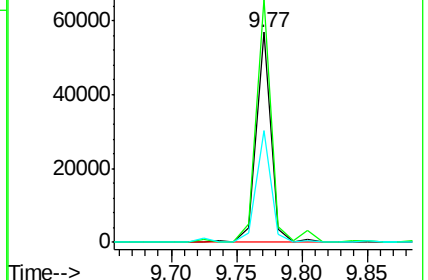
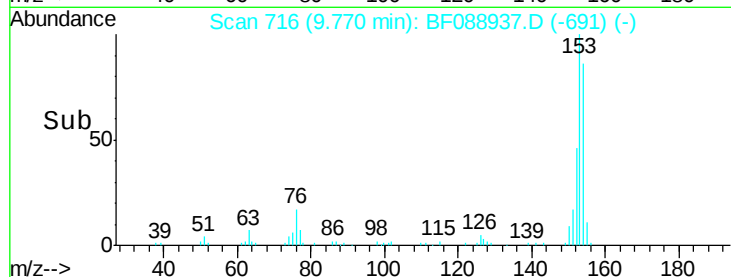
152 53.3 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.24 ng

RT: 9.94 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

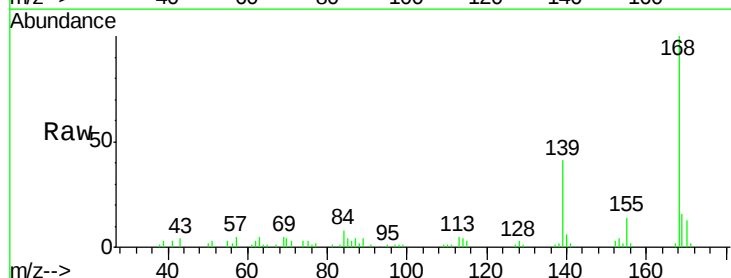
Tgt Ion:168 Resp: 25349

Ion Ratio Lower Upper

168 100

139 41.2 26.4 39.6#

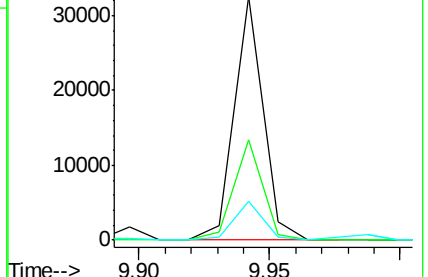
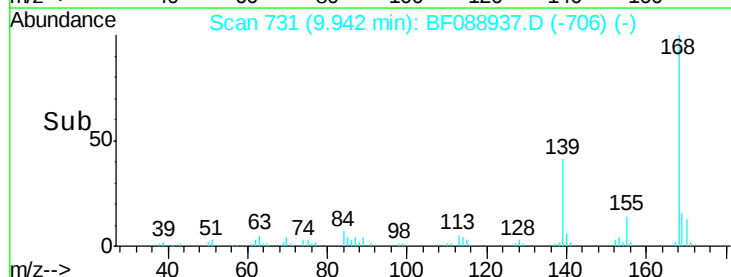
169 15.7 10.4 15.6#

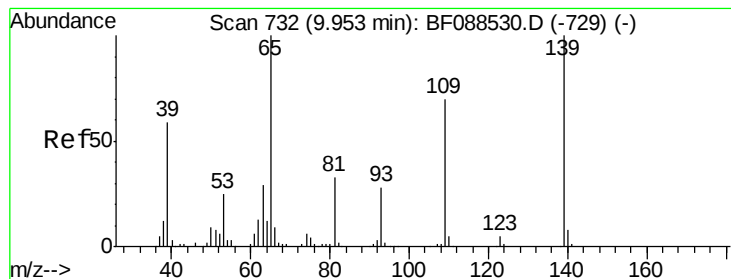


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 7.31 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

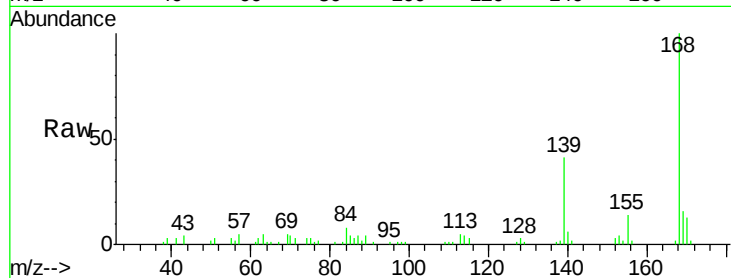
Tgt Ion:139 Resp: 10517

Ion Ratio Lower Upper

139 100

109 2.4 48.9 88.9#

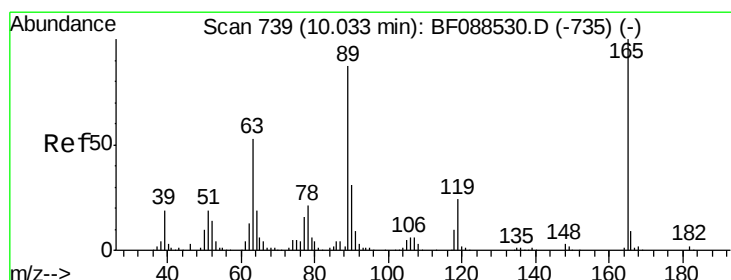
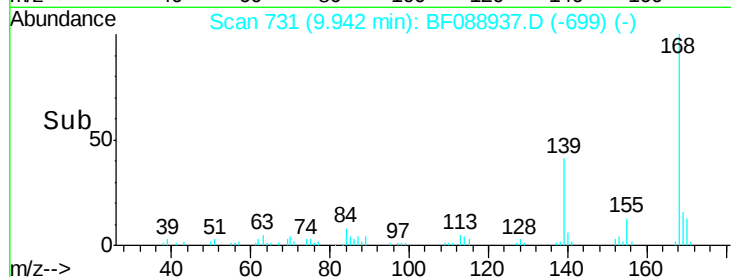
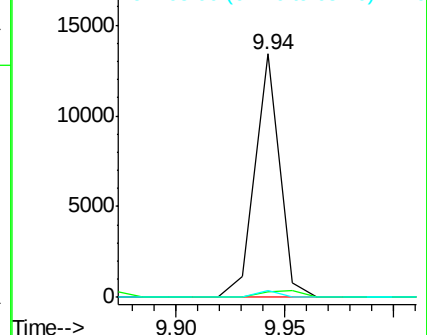
65 2.9 84.9 124.9#



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: 0.24 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Tgt Ion:165 Resp: 474

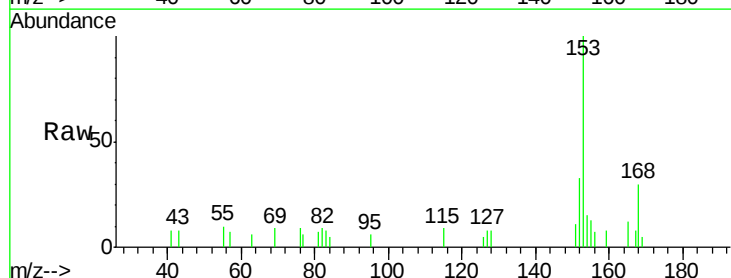
Ion Ratio Lower Upper

165 100

63 48.5 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

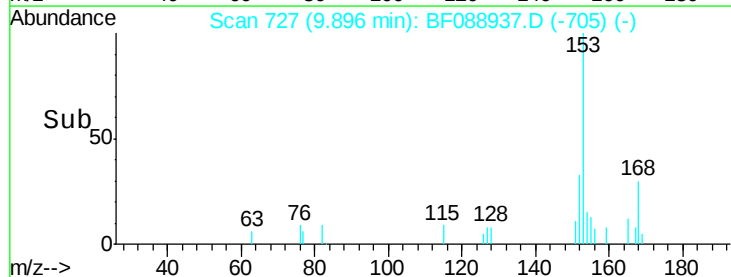
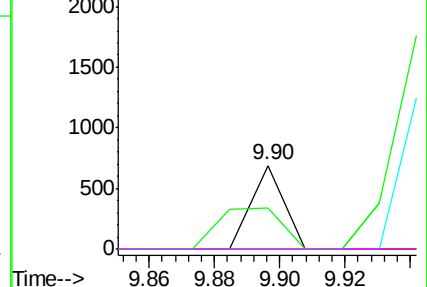


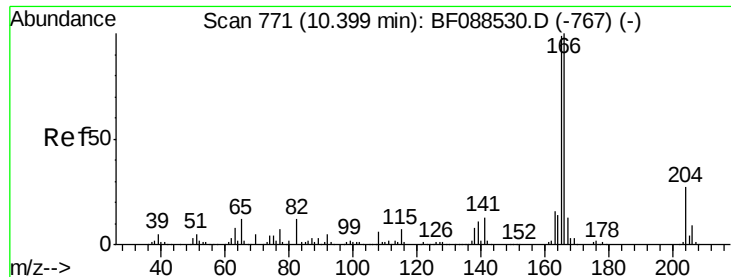
Abundance Ion 165.00 (164.70 to 165.70): E

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

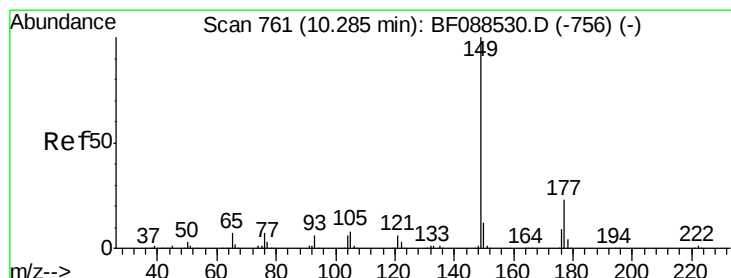
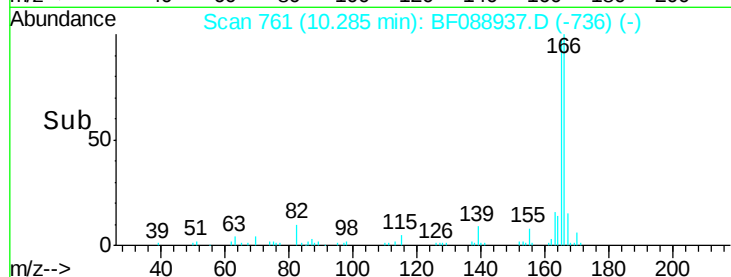
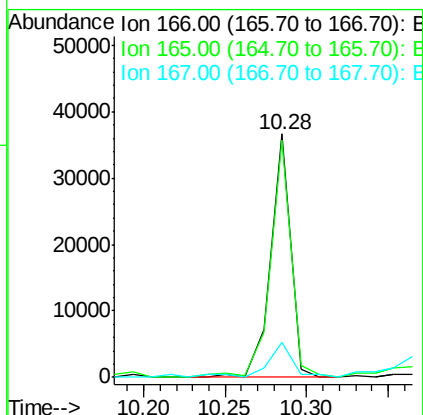
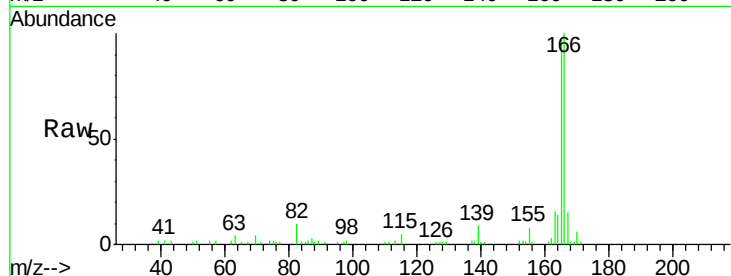




#57
 Fluorene
 Concen: 5.19 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

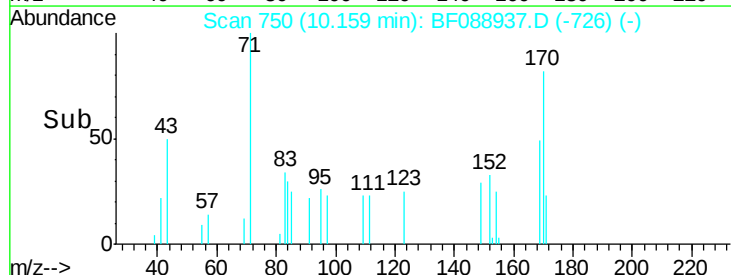
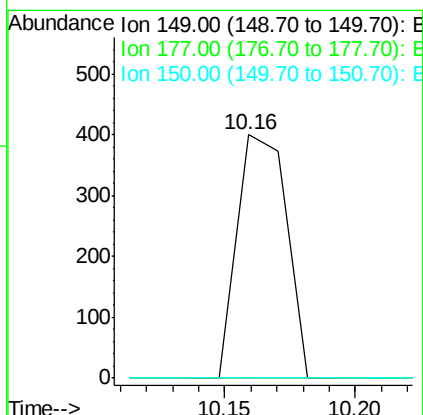
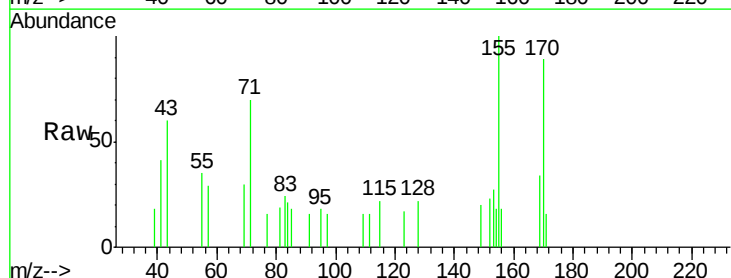
Instrument :
 BNA_F
 ClientSampleId :
 C3-02

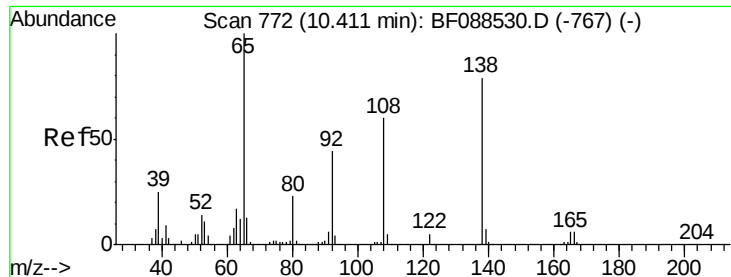
Tgt Ion:166 Resp: 31303
 Ion Ratio Lower Upper
 166 100
 165 97.3 77.8 116.8
 167 14.6 11.2 16.8



#59
 Diethylphthalate
 Concen: 0.08 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Tgt Ion:149 Resp: 529
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.9 25.3#
 150 0.0 10.1 15.1#

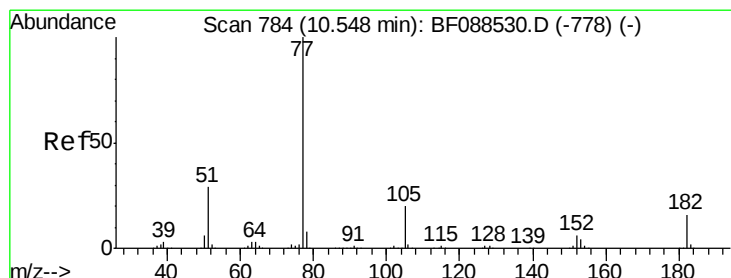
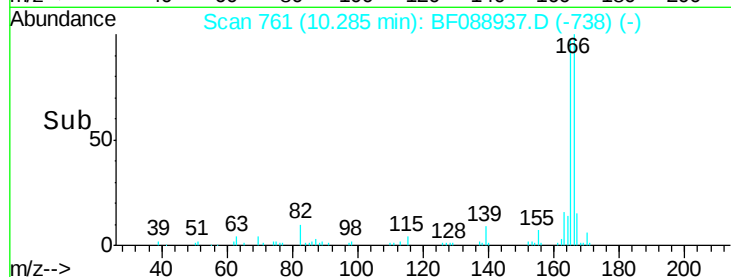
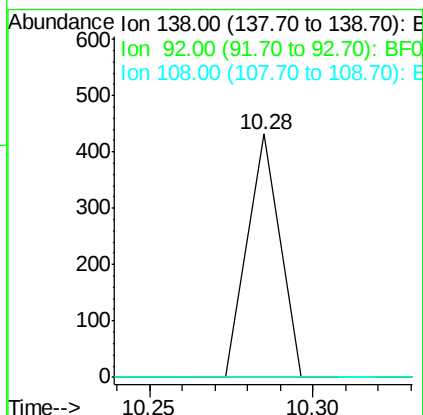
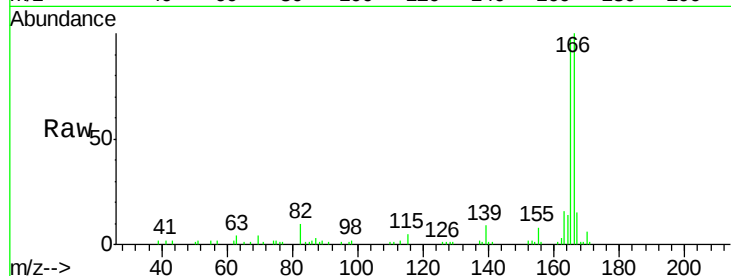




#61
4-Nitroaniline
Concen: 0.16 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.03 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

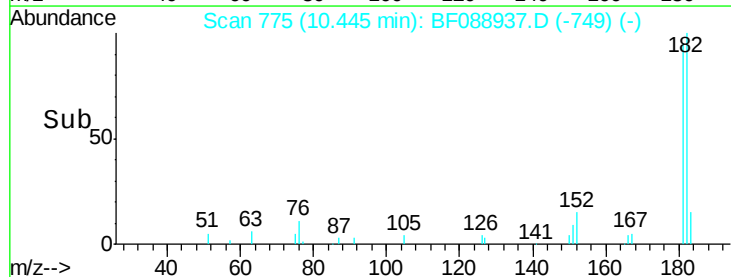
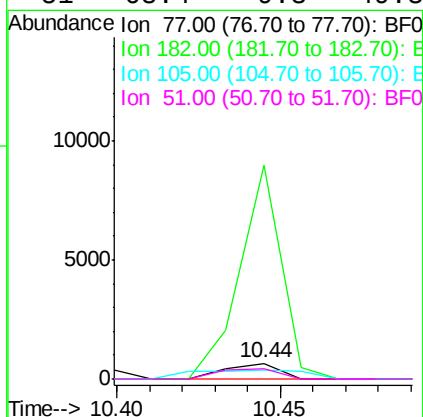
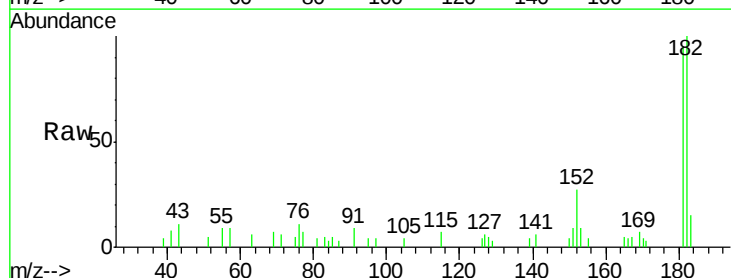
Instrument :
BNA_F
ClientSampleId :
C3-02

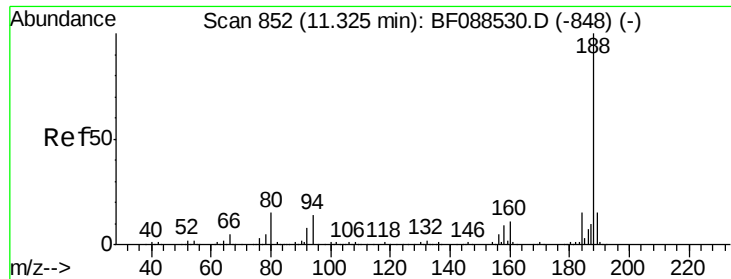
Tgt Ion: 138 Resp: 296
Ion Ratio Lower Upper
138 100
92 0.0 27.3 67.3#
108 0.0 46.7 86.7#



#62
Azobenzene
Concen: 0.10 ng
RT: 10.44 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion: 77 Resp: 736
Ion Ratio Lower Upper
77 100
182 1375.9 4.4 44.4#
105 60.3 3.8 43.8#
51 68.4 9.3 49.3#

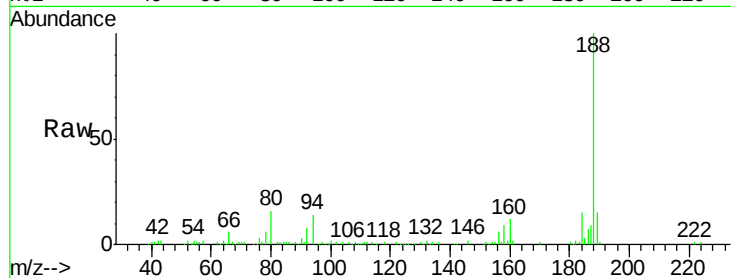




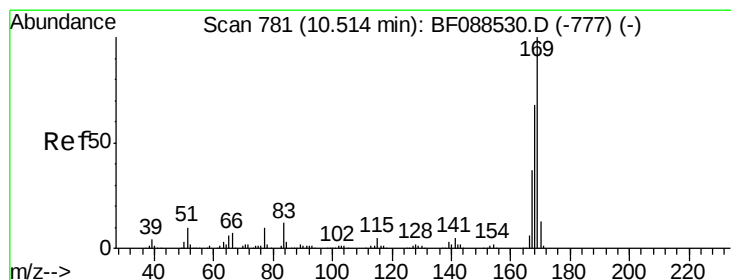
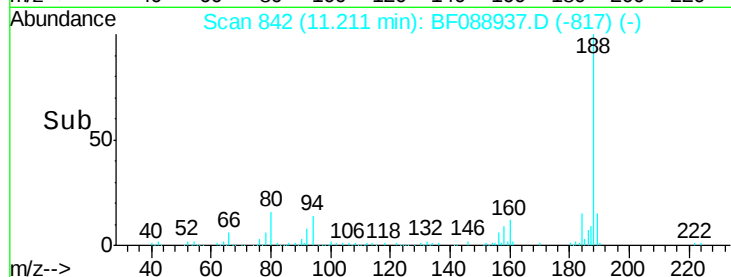
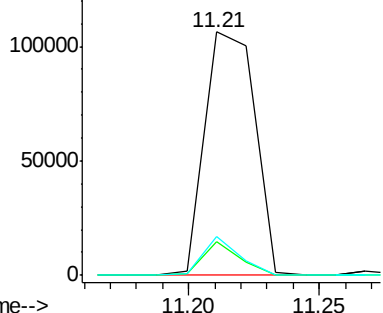
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Instrument :
BNA_F
ClientSampled :
C3-02

Tgt Ion:188 Resp: 143812
Ion Ratio Lower Upper
188 100
94 13.6 9.0 13.6#
80 16.0 10.0 15.0#

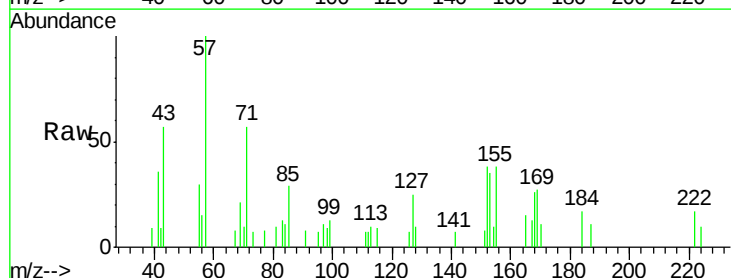


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

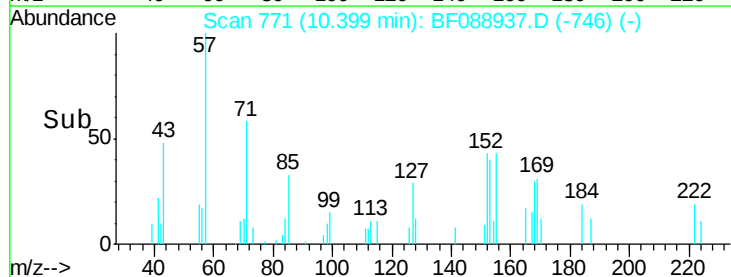
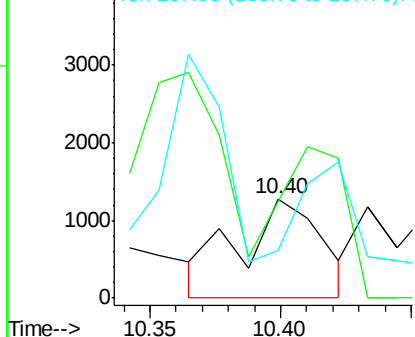


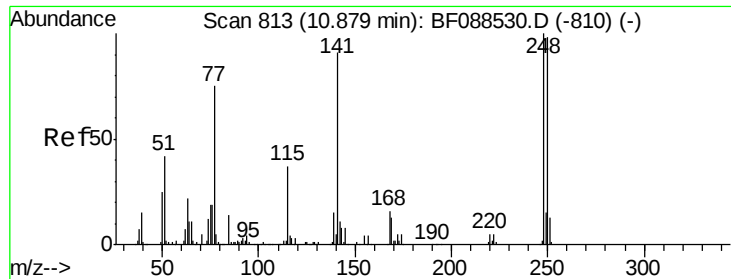
#65
n-Nitrosodiphenylamine
Concen: 0.57 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion:169 Resp: 2793
Ion Ratio Lower Upper
169 100
168 96.5 53.4 80.0#
167 48.2 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

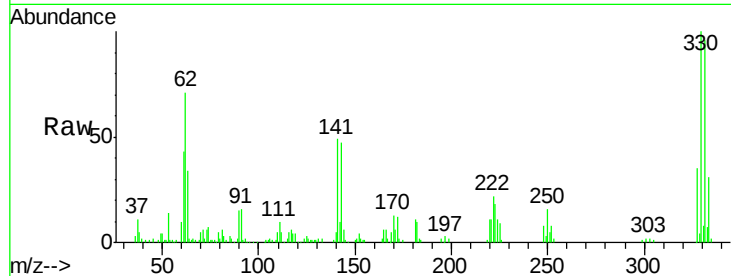




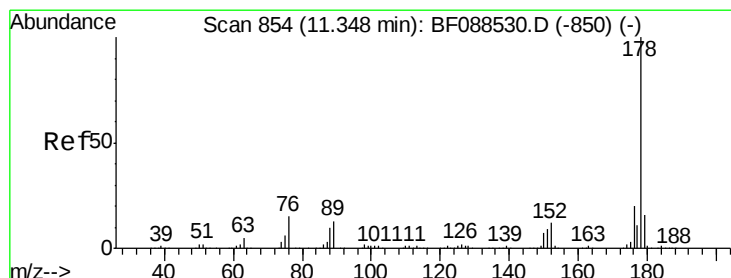
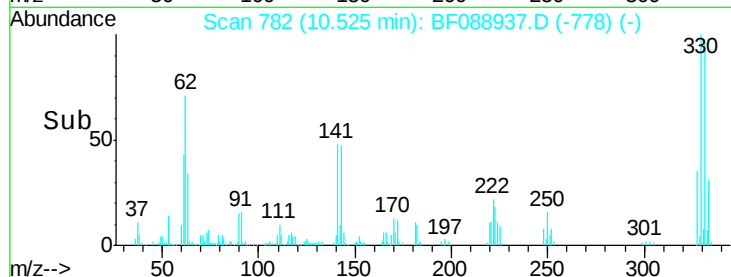
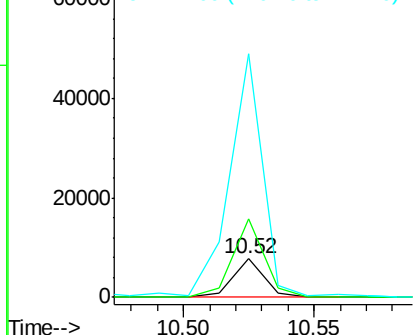
#66
4-Bromophenyl-phenylether
Concen: 4.56 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Instrument :
BNA_F
ClientSampleId :
C3-02

Tgt Ion:248 Resp: 6612
Ion Ratio Lower Upper
248 100
250 204.7 77.1 115.7#
141 630.2 50.6 76.0#

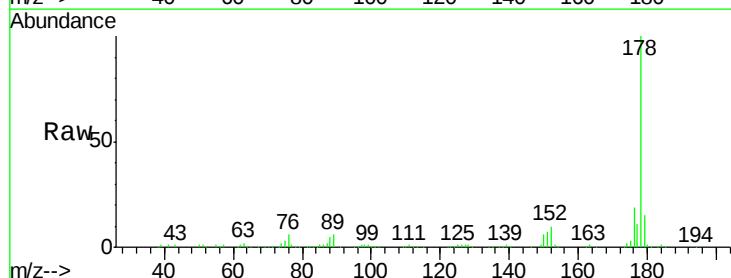


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

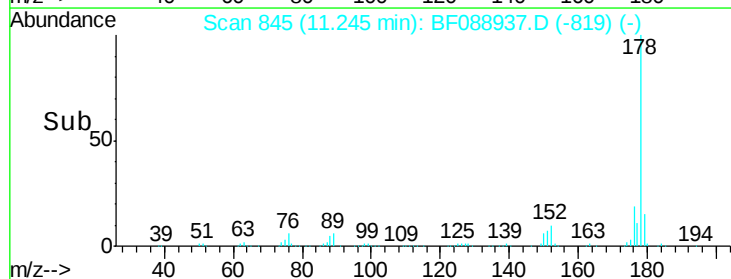
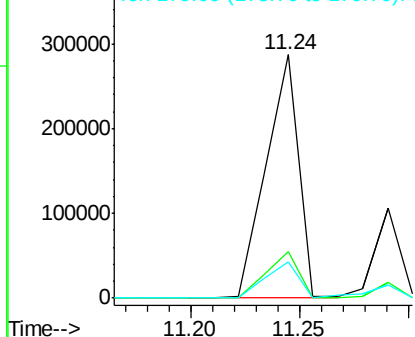


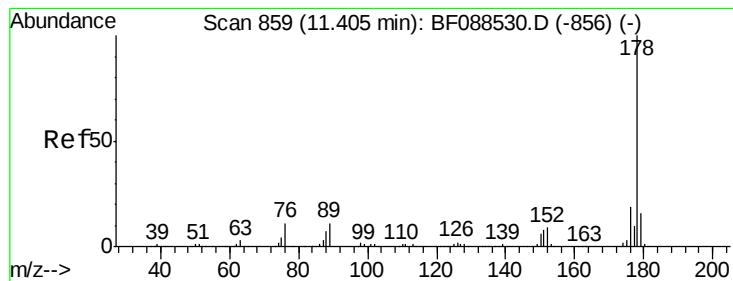
#70
Phenanthrene
Concen: 38.28 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088937.D
Acq: 12 Jul 2016 23:56

Tgt Ion:178 Resp: 300950
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.0 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: 10.95 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

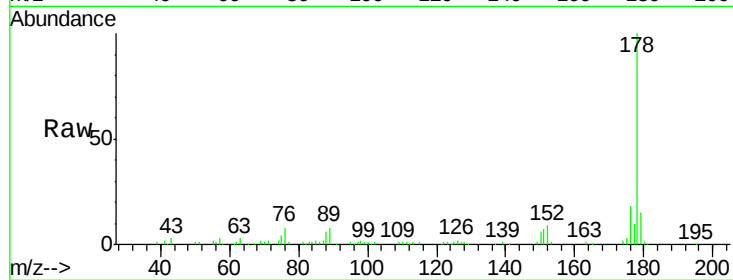
Tgt Ion:178 Resp: 85611

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

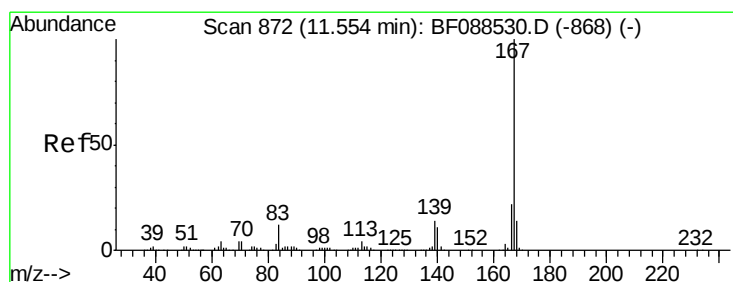
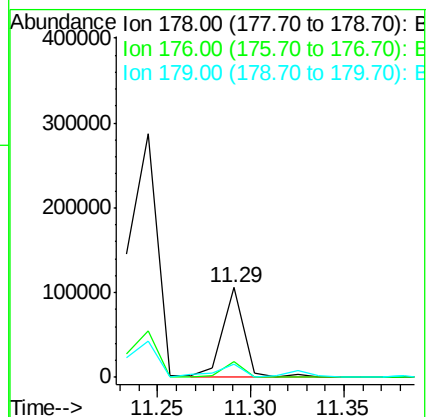
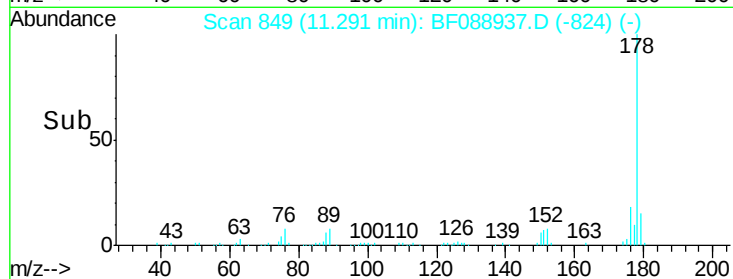
179 15.3 12.8 19.2



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: 6.10 ng

RT: 11.45 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

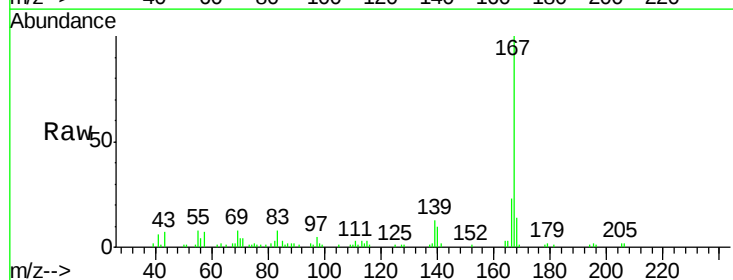
Tgt Ion:167 Resp: 44883

Ion Ratio Lower Upper

167 100

166 23.2 17.8 26.6

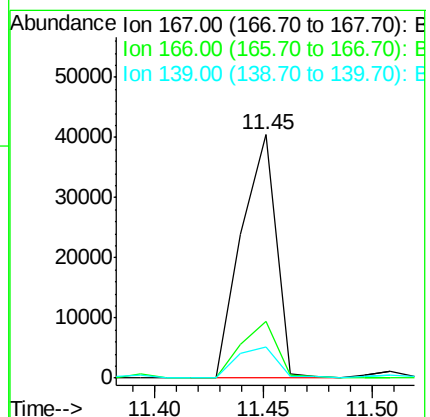
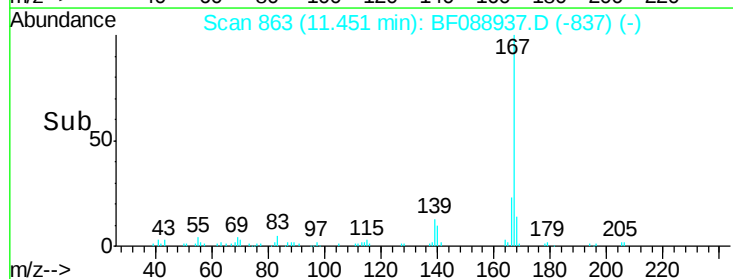
139 12.8 11.2 16.8

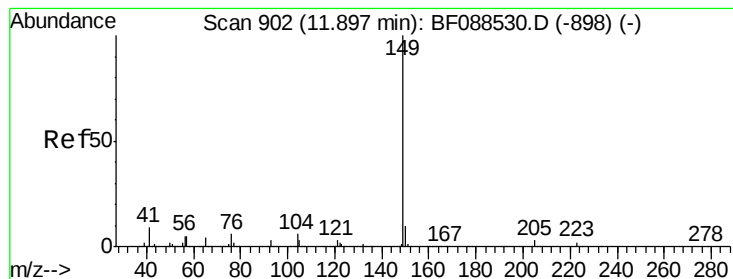


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.37 ng

RT: 11.79 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

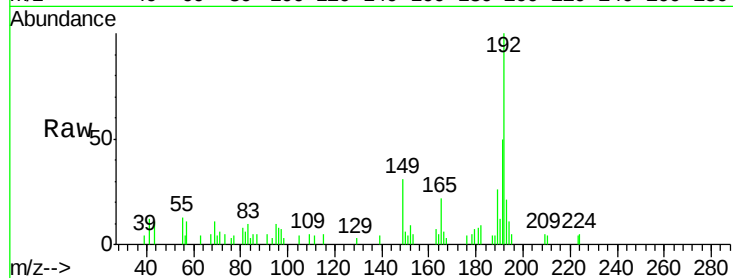
Tgt Ion:149 Resp: 3125

Ion Ratio Lower Upper

149 100

150 21.1 7.8 11.6#

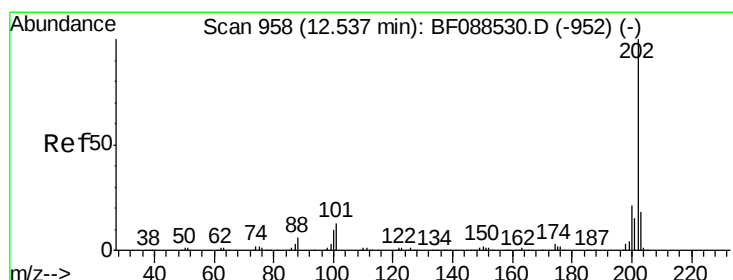
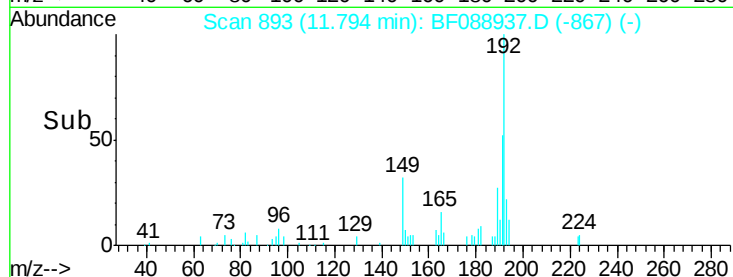
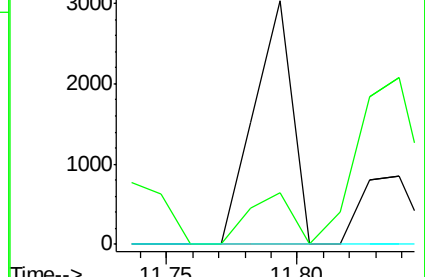
104 0.0 4.0 6.0#



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: 50.24 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

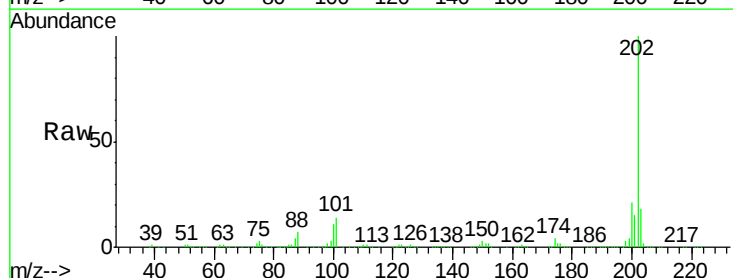
Tgt Ion:202 Resp: 400428

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.1

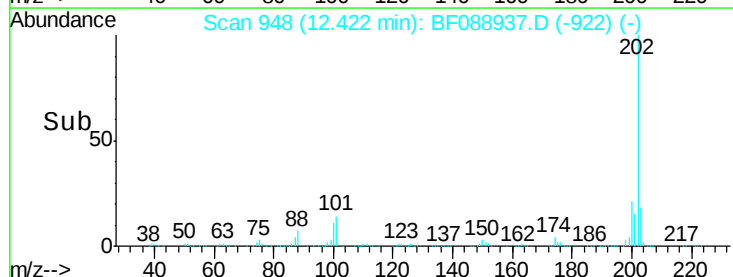
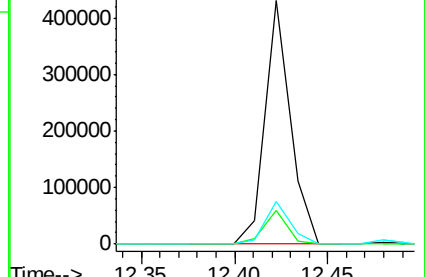
203 17.8 0.0 38.1

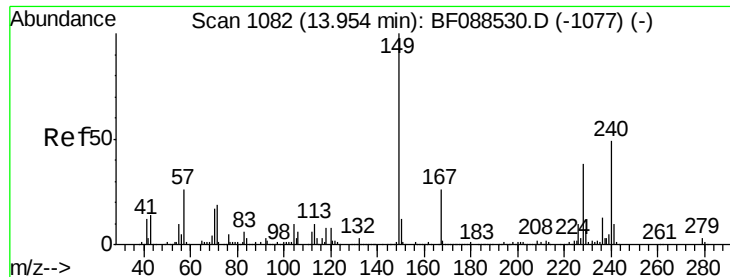


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

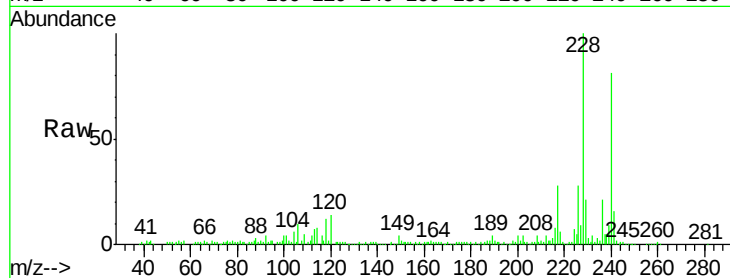
Tgt Ion:240 Resp: 124163

Ion Ratio Lower Upper

240 100

120 16.8 6.8 10.2#

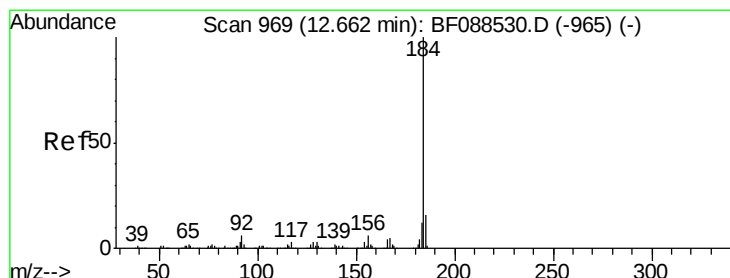
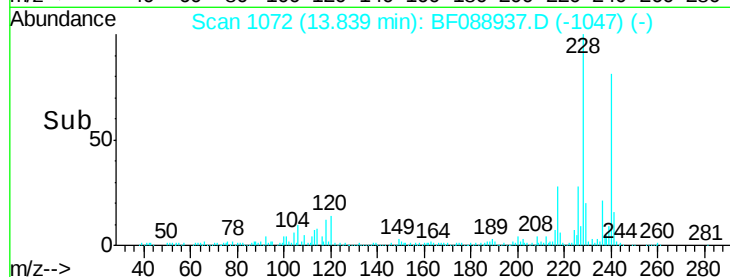
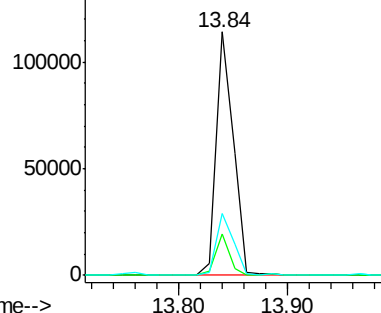
236 25.5 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.63 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

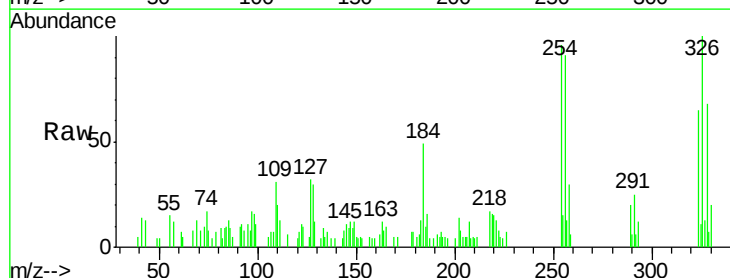
Tgt Ion:184 Resp: 3969

Ion Ratio Lower Upper

184 100

185 21.2 12.5 18.7#

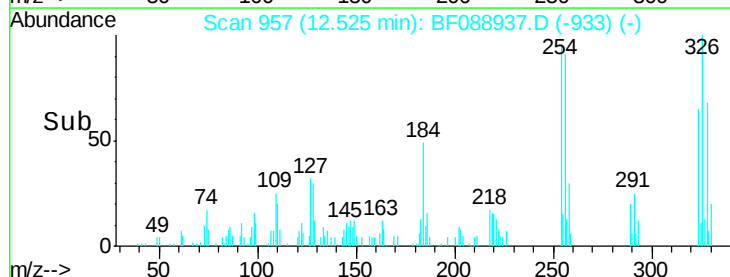
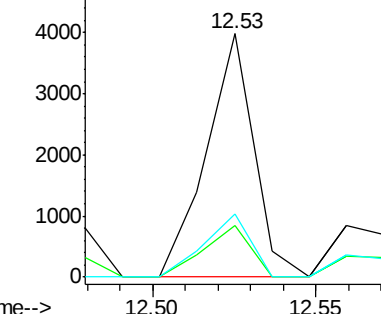
183 25.8 9.3 13.9#

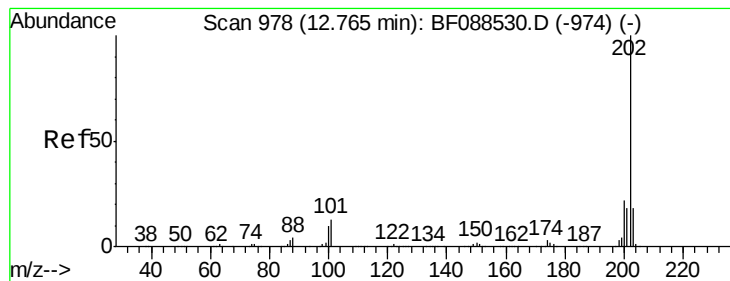


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 34.75 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampled :

C3-02

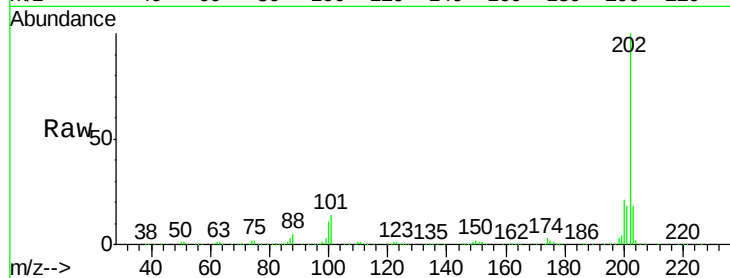
Tgt Ion:202 Resp: 365843

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

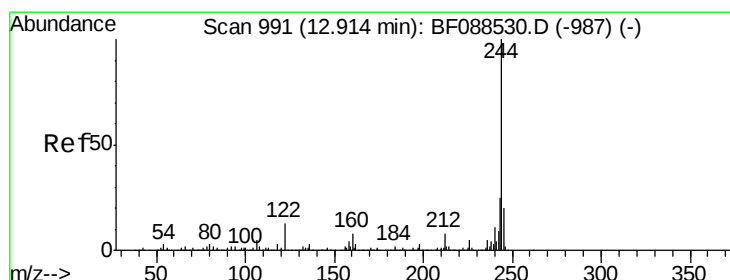
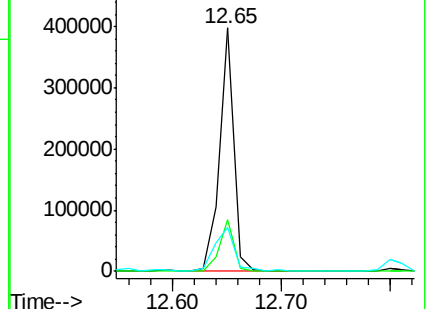
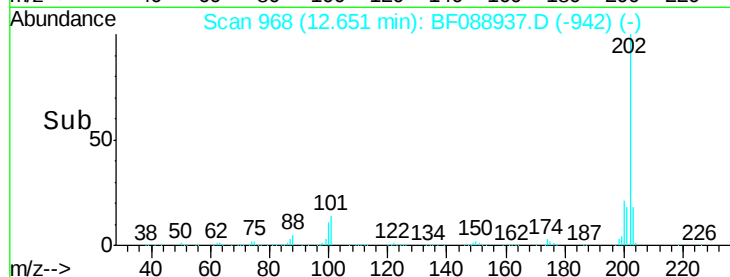
203 17.8 14.5 21.7



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: 59.94 ng

RT: 12.80 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

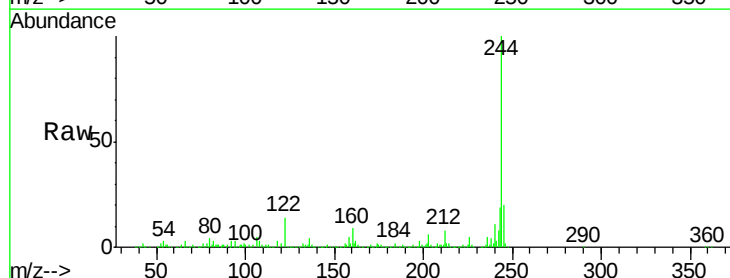
Tgt Ion:244 Resp: 334138

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

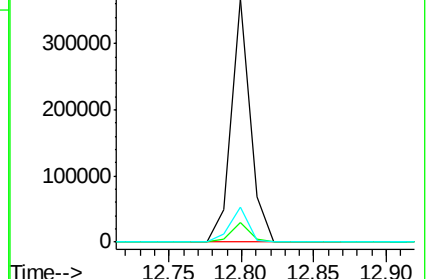
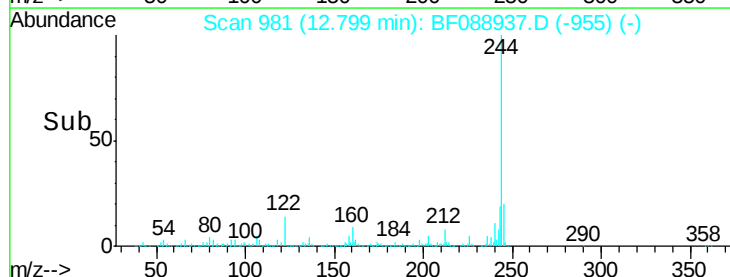
122 14.5 11.2 16.8

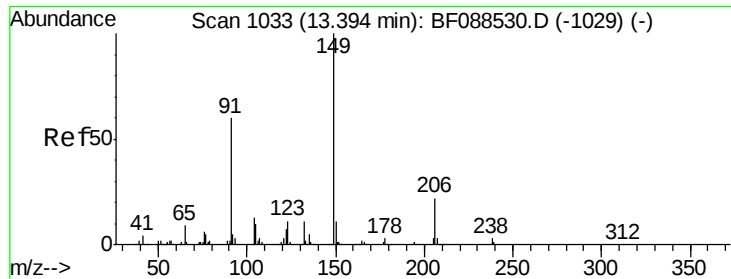


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.06 ng

RT: 13.28 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

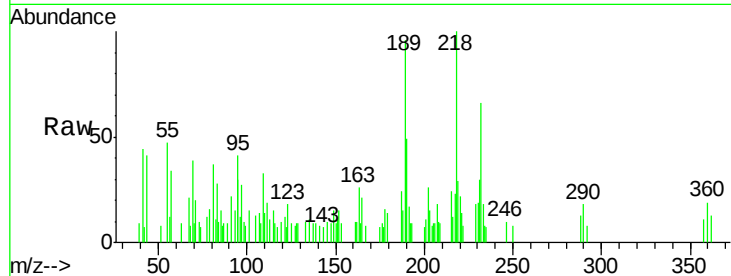
Tgt Ion:149 Resp: 287

Ion Ratio Lower Upper

149 100

91 144.5 48.0 72.0#

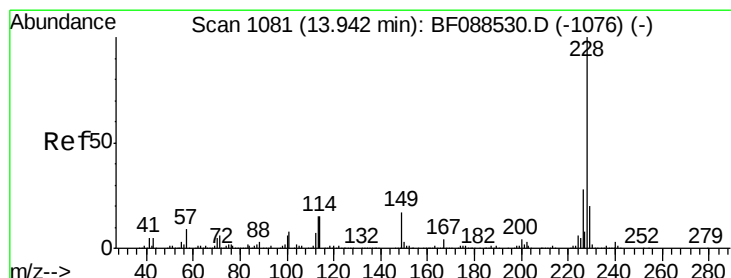
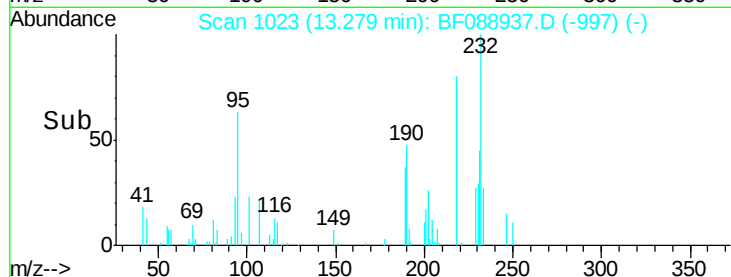
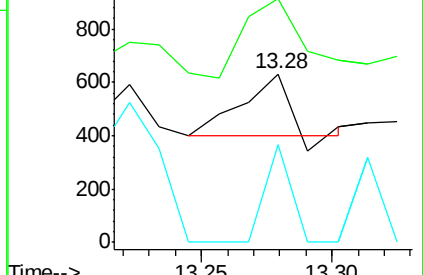
206 58.1 16.0 24.0#



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: 30.50 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

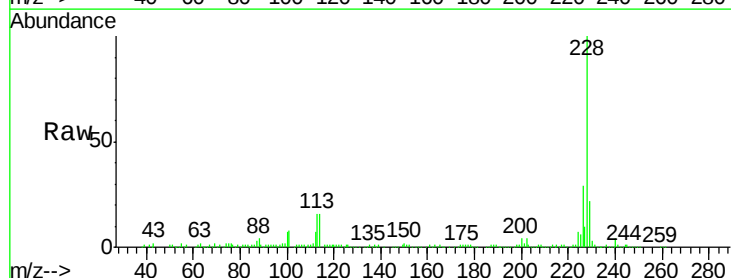
Tgt Ion:228 Resp: 243837

Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

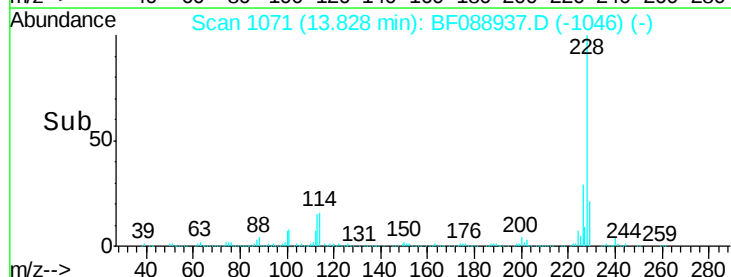
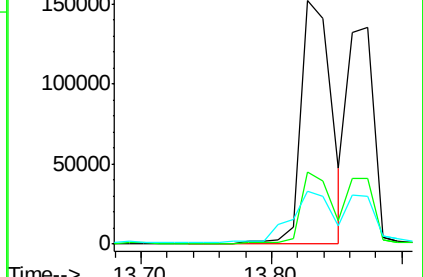
229 21.9 16.0 24.0

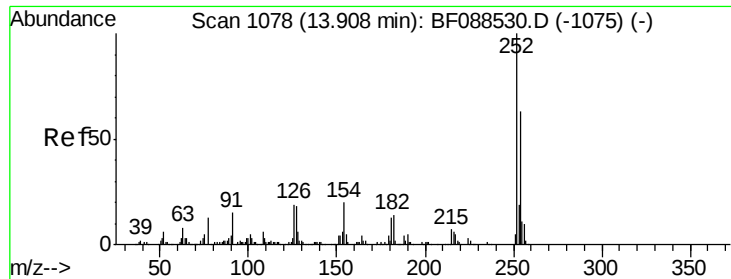


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

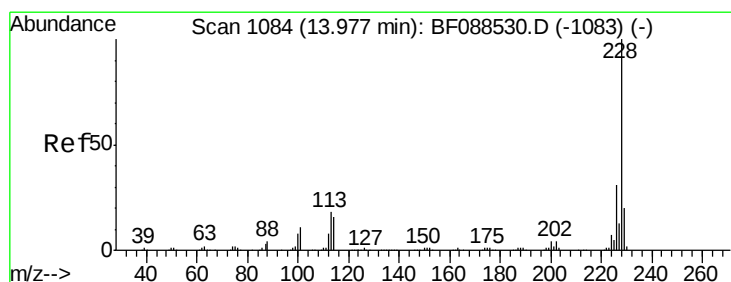
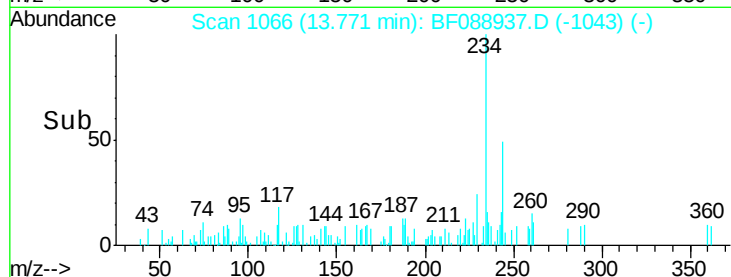
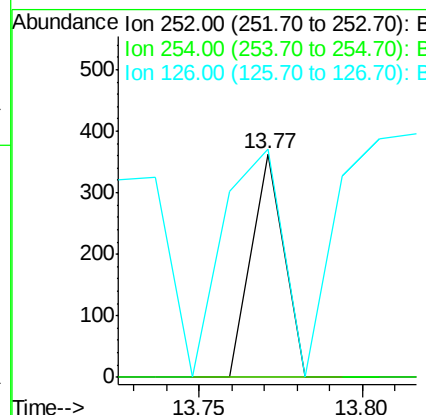
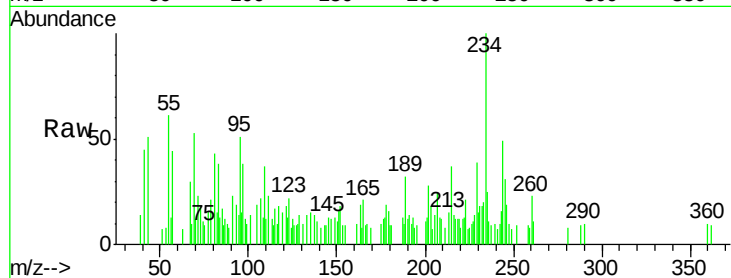




#81
 3,3'-Dichlorobenzidine
 Concen: 0.08 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.03 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

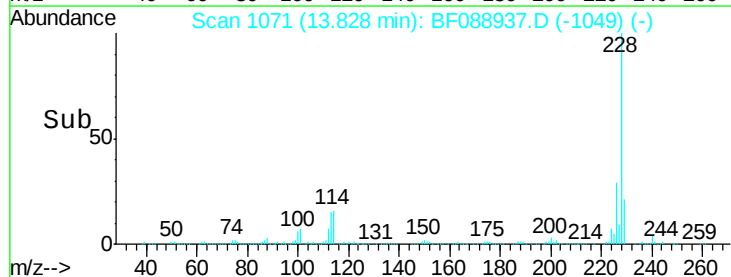
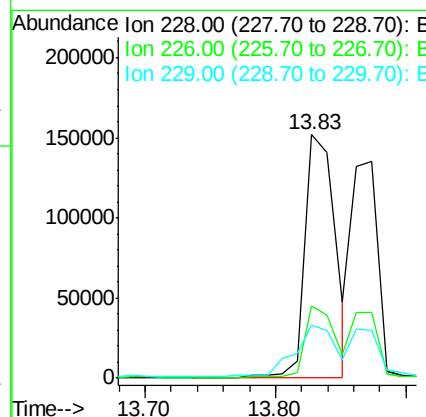
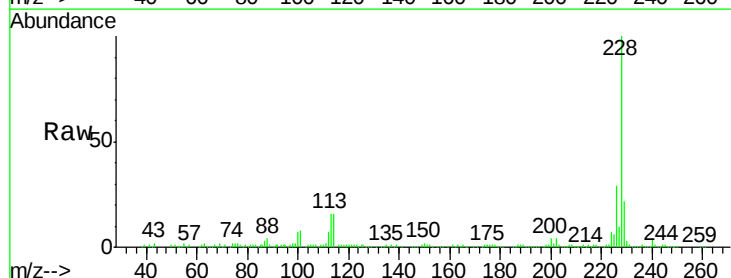
Instrument :
 BNA_F
 ClientSampled :
 C3-02

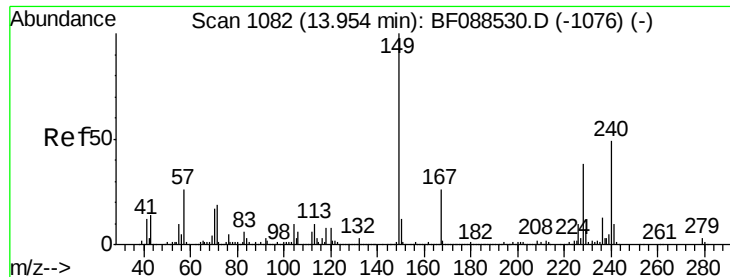
Tgt Ion:252 Resp: 249
 Ion Ratio Lower Upper
 252 100
 254 0.0 52.6 78.8#
 126 102.2 6.2 9.2#



#82
 Chrysene
 Concen: 30.83 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.05 min
 Lab File: BF088937.D
 Acq: 12 Jul 2016 23:56

Tgt Ion:228 Resp: 243837
 Ion Ratio Lower Upper
 228 100
 226 29.4 25.4 38.2
 229 21.9 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 1.13 ng

RT: 13.84 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

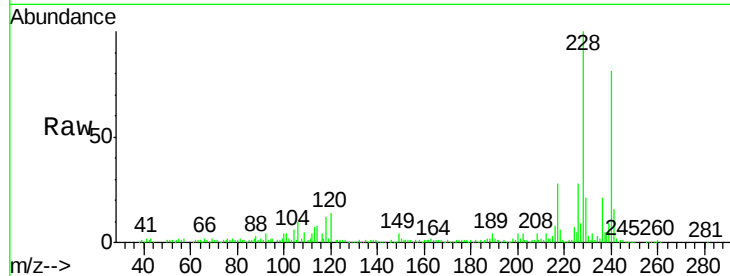
Tgt Ion:149 Resp: 6051

Ion Ratio Lower Upper

149 100

167 26.8 20.5 30.7

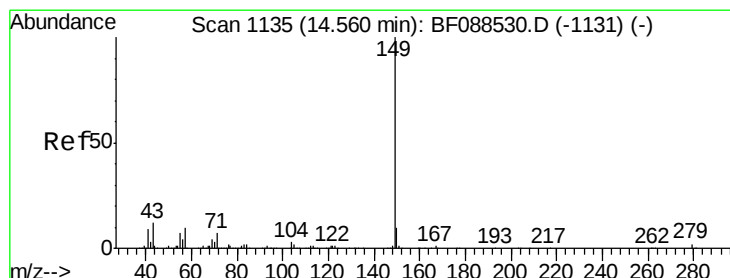
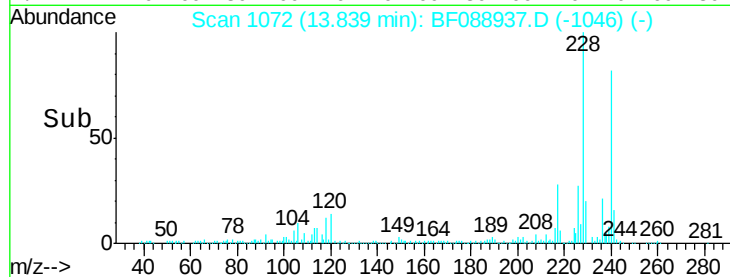
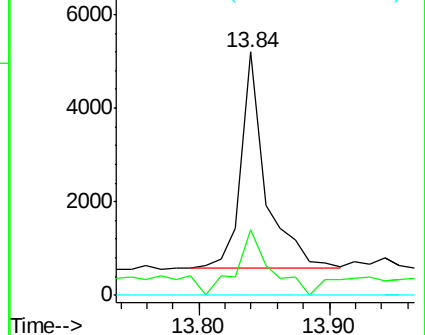
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.06 ng

RT: 14.46 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

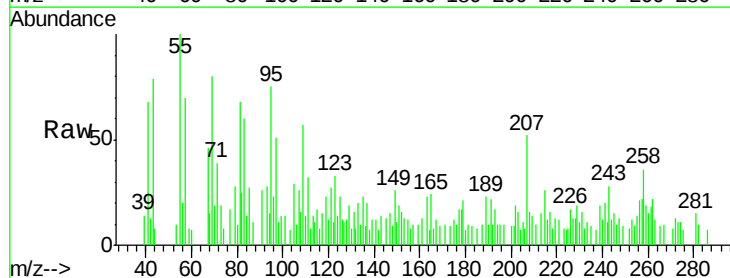
Tgt Ion:149 Resp: 523

Ion Ratio Lower Upper

149 100

167 106.1 0.0 0.0#

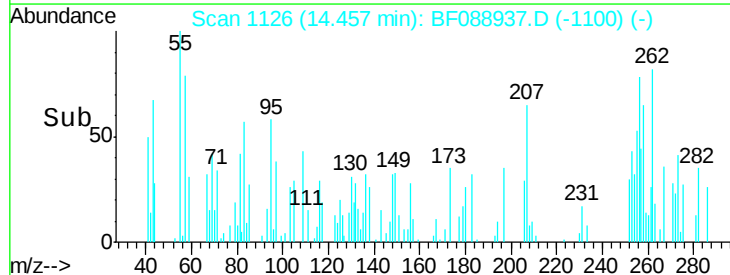
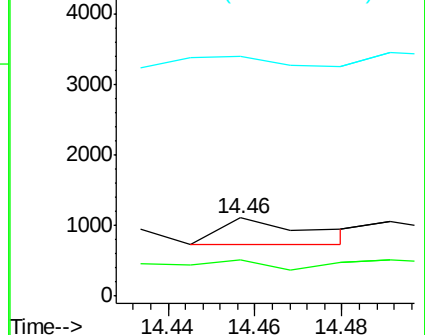
43 188.5 0.0 0.0#

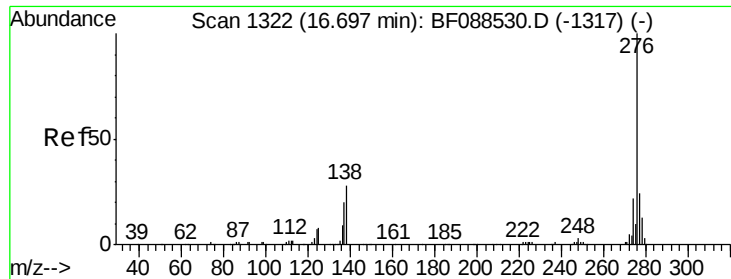


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 13.30 ng

RT: 16.50 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

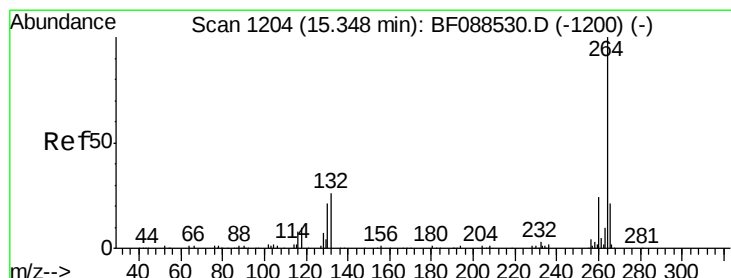
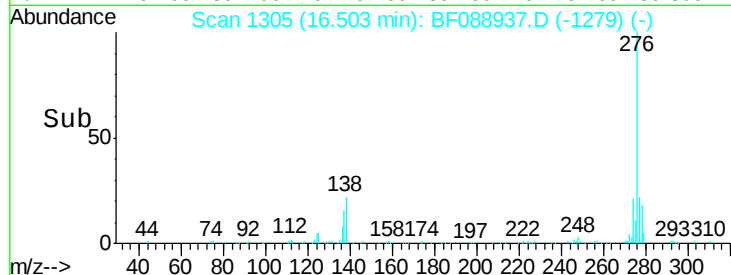
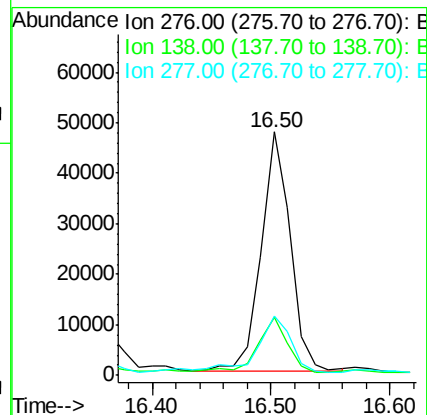
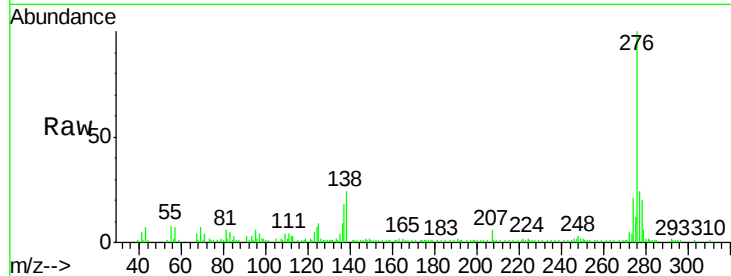
Tgt Ion:276 Resp: 80924

Ion Ratio Lower Upper

276 100

138 23.6 0.0 0.0#

277 28.4 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

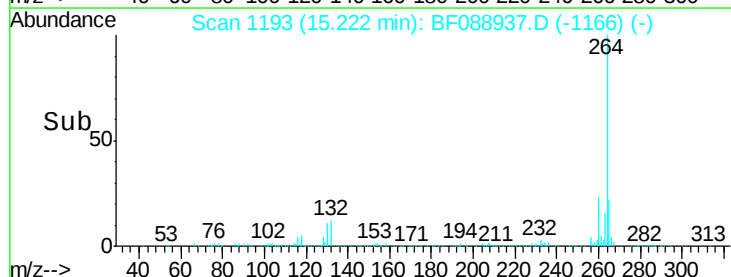
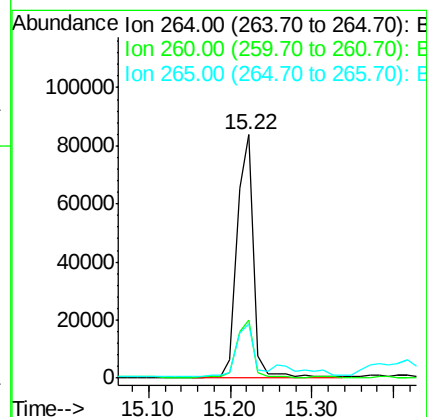
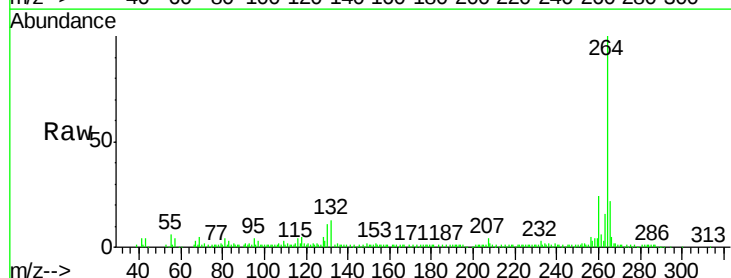
Tgt Ion:264 Resp: 118143

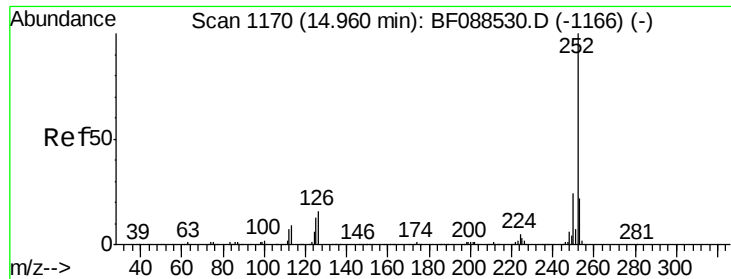
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.3 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 45.14 ng

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

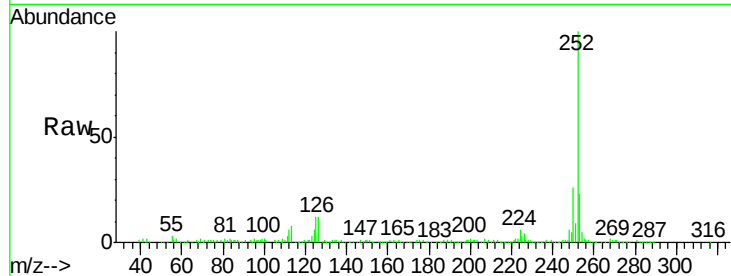
Tgt Ion:252 Resp: 334545

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

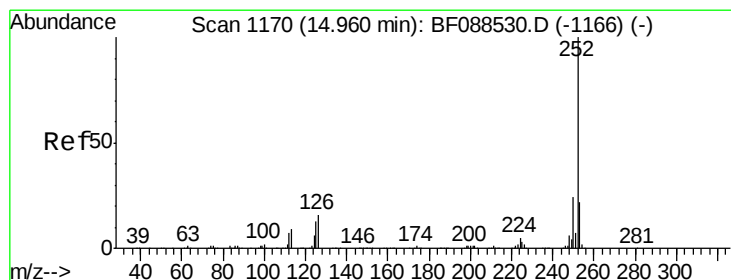
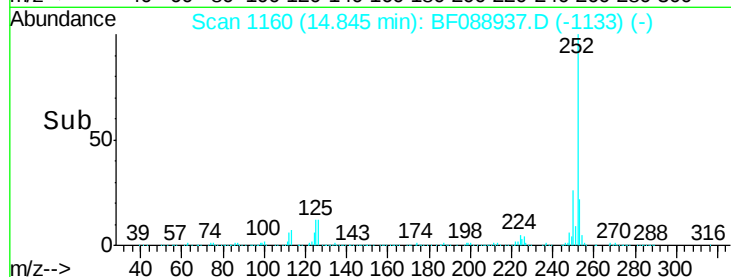
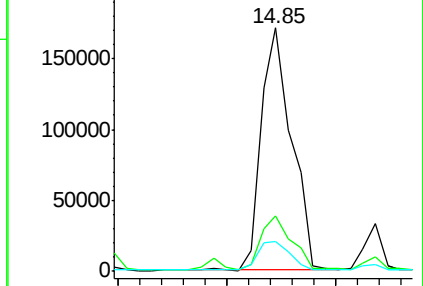
125 12.4 7.1 10.7#



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: 51.85 ng

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

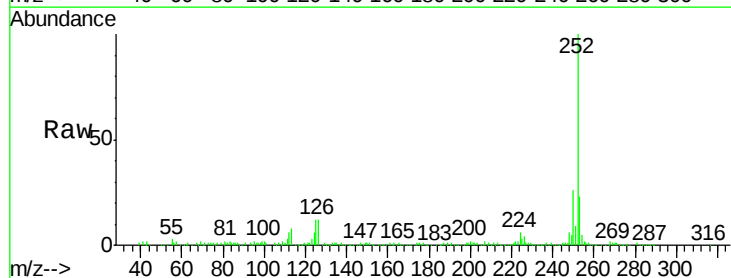
Tgt Ion:252 Resp: 334545

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

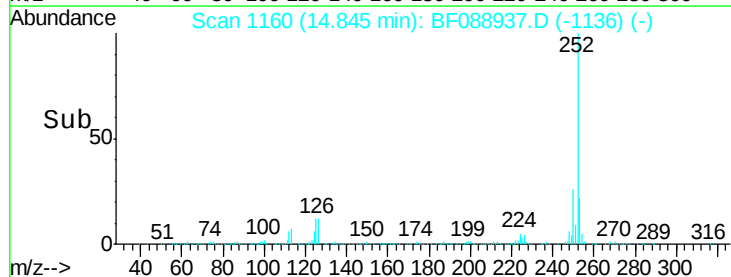
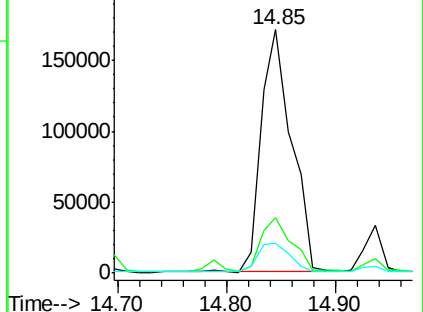
125 12.4 11.2 16.8

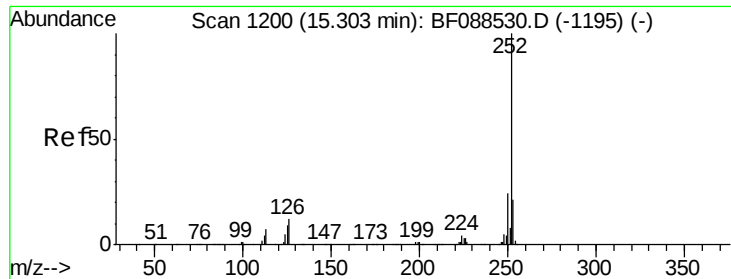


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.60 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

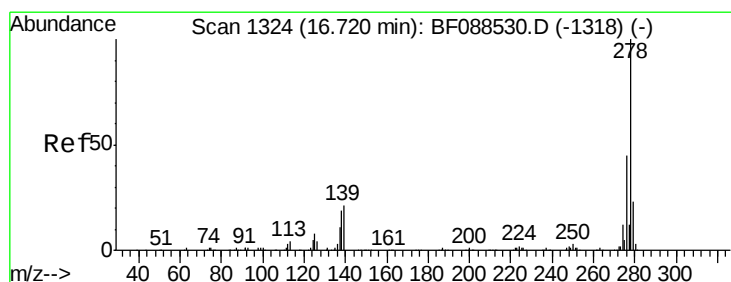
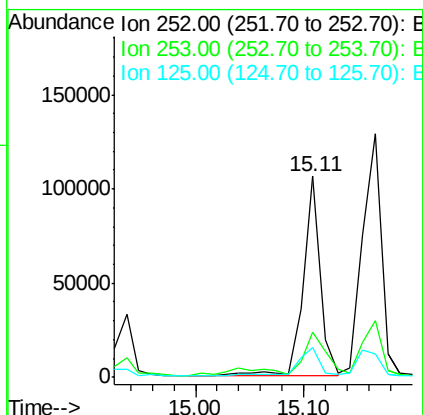
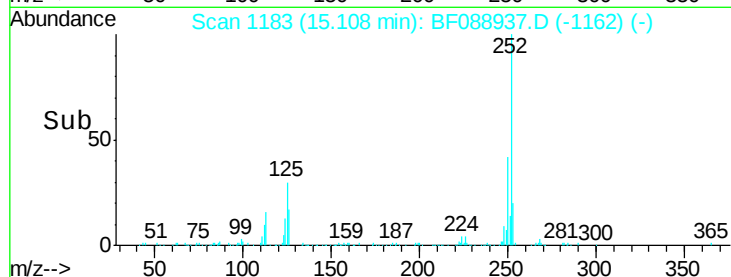
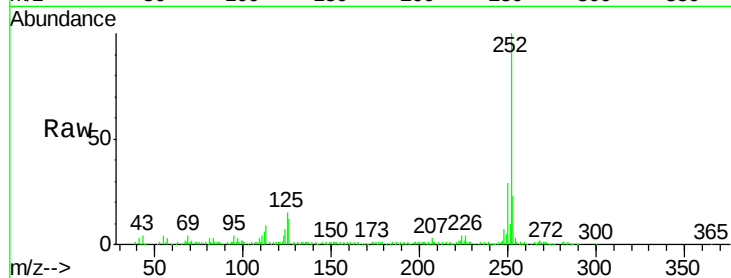
Tgt Ion:252 Resp: 116728

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 15.1 12.5 18.7



#90

Dibenzo(a,h)anthracene

Concen: 3.27 ng

RT: 16.66 min Scan# 1319

Delta R.T. 0.15 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

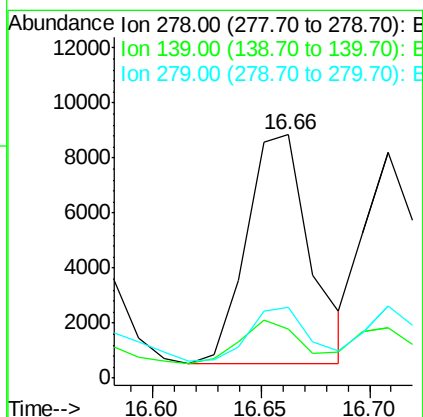
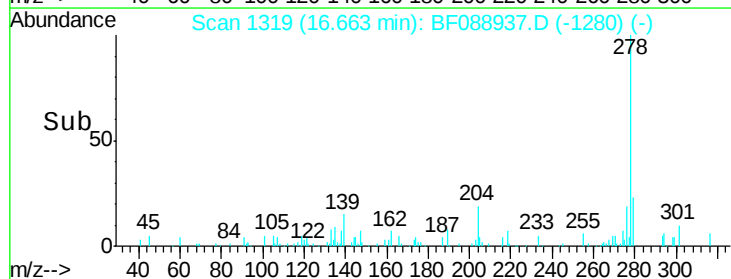
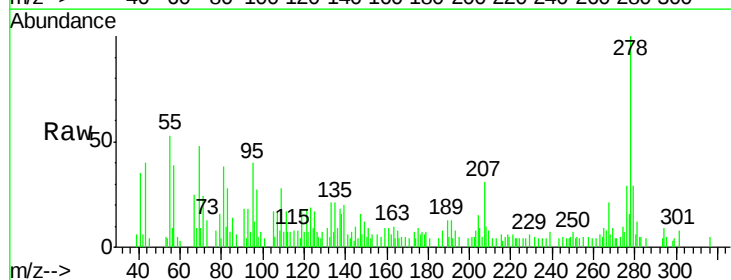
Tgt Ion:278 Resp: 17118

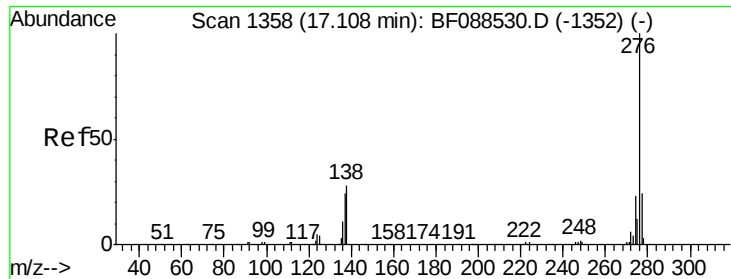
Ion Ratio Lower Upper

278 100

139 20.3 15.7 23.5

279 29.0 19.4 29.2





#91

Benzo(g,h,i)perylene

Concen: 13.02 ng

RT: 16.89 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF088937.D

Acq: 12 Jul 2016 23:56

Instrument :

BNA_F

ClientSampleId :

C3-02

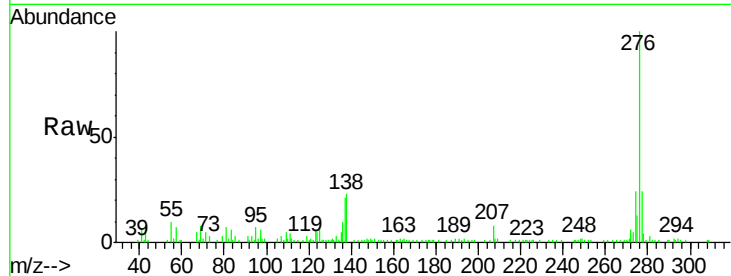
Tgt Ion: 276 Resp: 70607

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 23.1 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

