

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121716\
 Data File : BF091721.D
 Acq On : 18 Dec 2016 00:16
 Operator : UM/SJ
 Sample : PB95408BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

Quant Time: Dec 18 02:56:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	269622	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	1180218	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	597941	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	1122121	20.00	ng	0.00
75) Chrysene-d12	13.92	240	1001509	20.00	ng	-0.01
86) Perylene-d12	15.32	264	954043	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	2044774	127.06	ng	0.01
7) Phenol-d6	6.41	99	2766066	140.93	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1674529	81.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	724216	142.84	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	2982536	100.21	ng	0.00
78) Terphenyl-d14	12.88	244	2967648	74.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.41	88	636	0.08	ng	# 23
4) n-Nitrosodimethylamine	2.97	42	215	0.02	ng	# 1
6) Aniline	6.53	93	3079	0.12	ng	# 1
8) 2-Chlorophenol	6.56	128	423	0.02	ng	# 56
9) Benzaldehyde	6.41	77	3907	Below Cal		# 1
10) Phenol	6.42	94	775	0.04	ng	# 1
11) bis(2-Chloroethyl)ether	6.53	93	3079	0.17	ng	# 1
12) 1,3-Dichlorobenzene	6.93	146	916	0.05	ng	# 1
13) 1,4-Dichlorobenzene	6.93	146	916	0.05	ng	# 1
14) 1,2-Dichlorobenzene	6.93	146	916	0.05	ng	# 1
15) Benzyl Alcohol	6.92	79	26448	1.74	ng	# 43
17) 2-Methylphenol	6.92	107	265	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	226979	17.39	ng	# 76
20) 3+4-Methylphenols	6.92	107	265	0.02	ng	# 1
24) Nitrobenzene	7.33	77	4681	0.21	ng	# 39
45) 1,1'-Biphenyl	9.23	154	6262	0.15	ng	# 93
47) 2-Nitroaniline	9.13	65	4973	0.45	ng	# 1
50) 2,6-Dinitrotoluene	9.80	165	76954	8.99	ng	# 30
51) Acenaphthene	9.80	154	1953	0.06	ng	# 5
56) 2,4-Dinitrotoluene	9.80	165	76958	7.19	ng	# 19
57) Fluorene	10.59	166	29057	0.92	ng	# 92
59) Diethylphthalate	10.22	149	913	0.02	ng	# 60
62) Azobenzene	10.59	77	3529	0.09	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.59	198	1432	0.19	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	21015	0.60	ng	# 47
66) 4-Bromophenyl-phenylether	10.59	248	44187	3.76	ng	# 1
70) Phenanthrene	11.29	178	451	0.01	ng	# 1
71) Anthracene	11.29	178	451	0.01	ng	# 1
72) Carbazole	11.53	167	221	0.00	ng	# 58
73) Di-n-butylphthalate	11.86	149	3890	0.06	ng	# 91
74) Fluoranthene	12.50	202	1009	0.02	ng	# 61
77) Pyrene	12.72	202	1205	0.02	ng	# 56
79) Butylbenzylphthalate	13.35	149	712	0.02	ng	# 52
80) Benzo(a)anthracene	13.92	228	9280	0.16	ng	# 77

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QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration

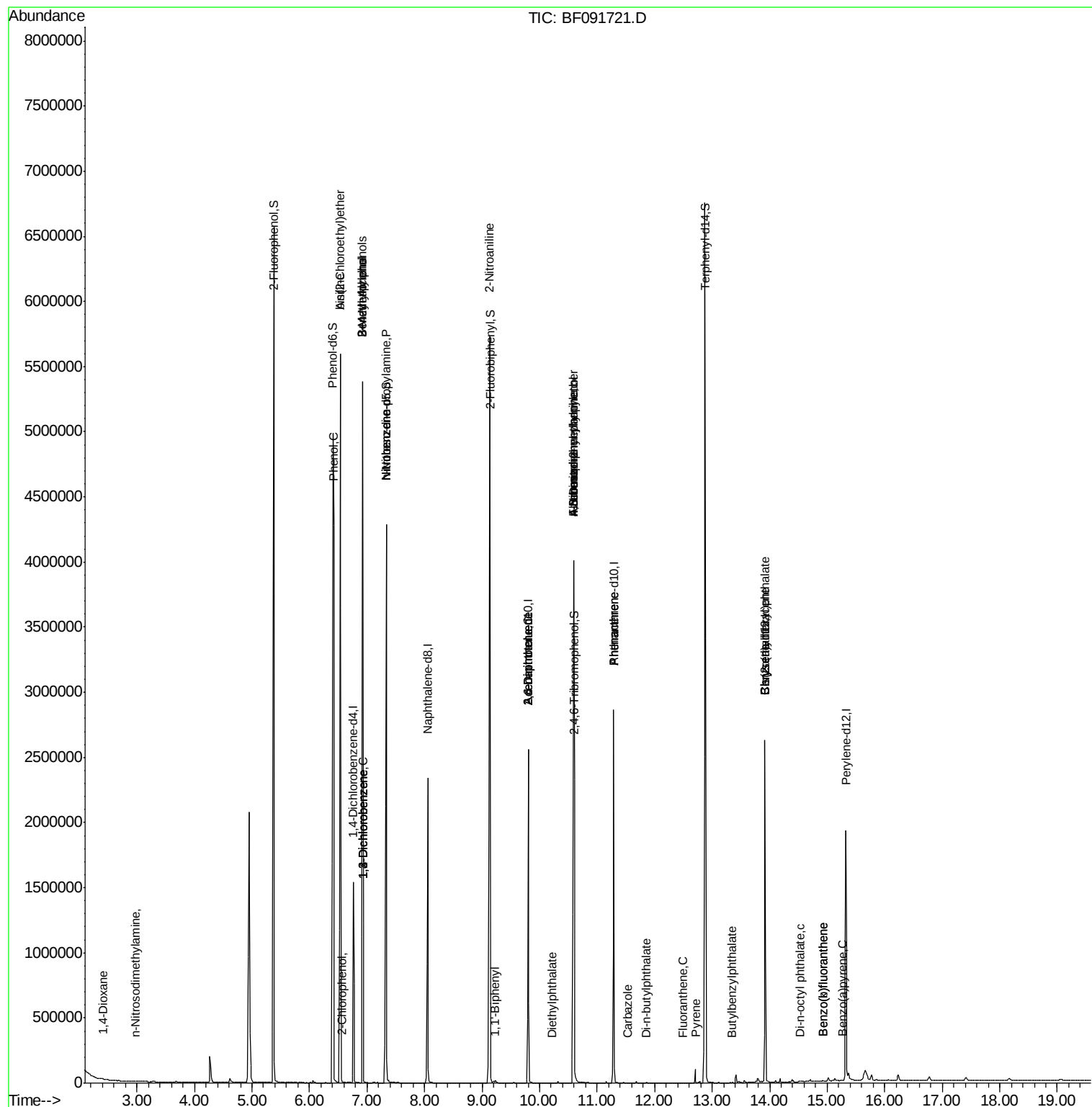
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	13.92	228	9280	0.16	ng	# 73
83) Bis(2-ethylhexyl)phthalate	13.92	149	4439	0.10	ng	# 75
84) Di-n-octyl phthalate	14.52	149	3024	0.04	ng	# 71
87) Benzo(b)fluoranthene	14.92	252	4407	0.07	ng	# 86
88) Benzo(k)fluoranthene	14.92	252	4407	0.10	ng	# 87
89) Benzo(a)pyrene	15.27	252	636	0.01	ng	# 28

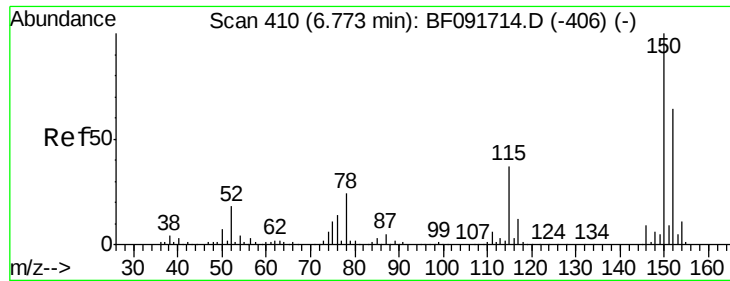
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

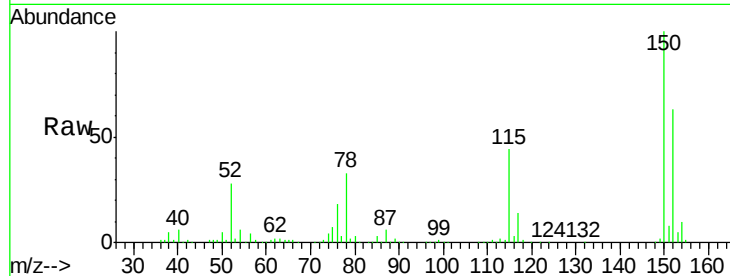
Tgt Ion:152 Resp: 269622

Ion Ratio Lower Upper

152 100

150 159.5 124.9 187.3

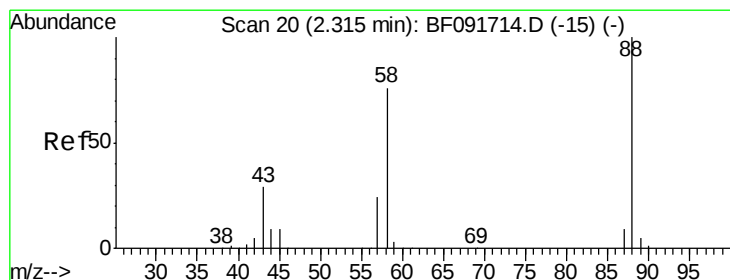
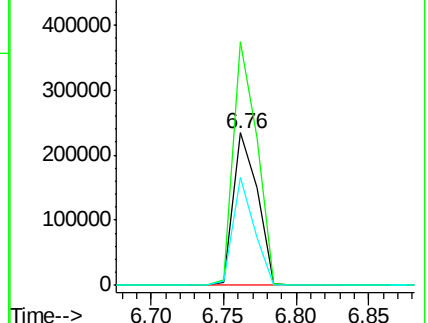
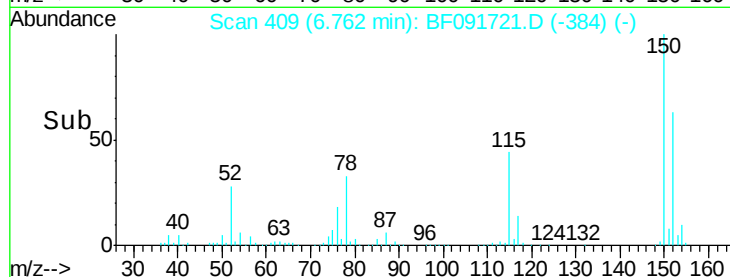
115 70.3 46.0 69.0#



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: 0.08 ng

RT: 2.41 min Scan# 28

Delta R.T. 0.09 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

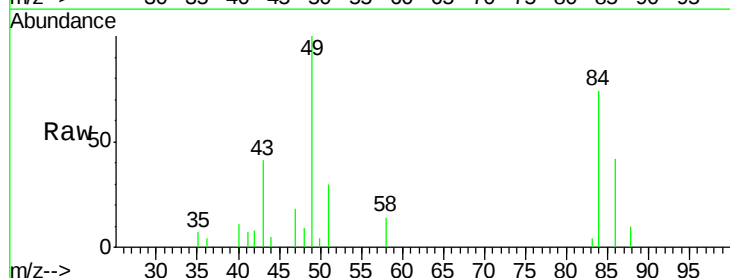
Tgt Ion: 88 Resp: 636

Ion Ratio Lower Upper

88 100

58 0.0 57.8 86.8#

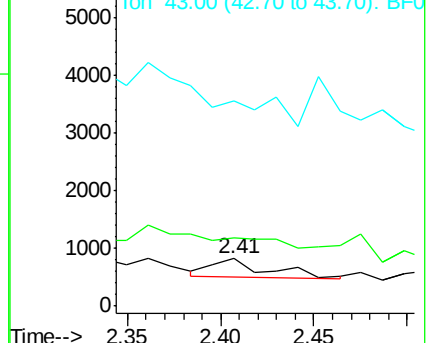
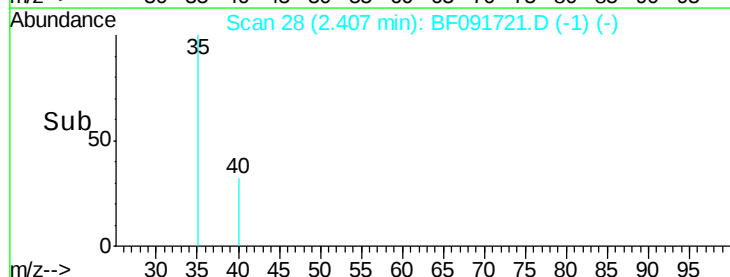
43 0.0 22.3 33.5#

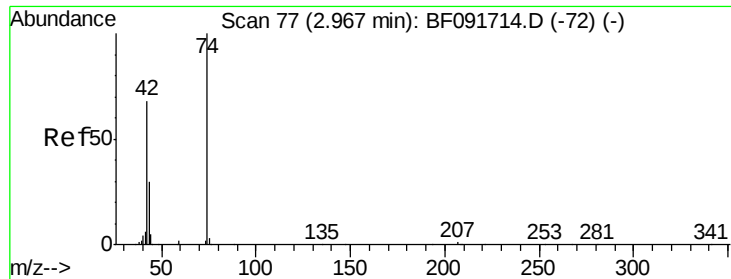


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 2.97 min Scan# 77

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

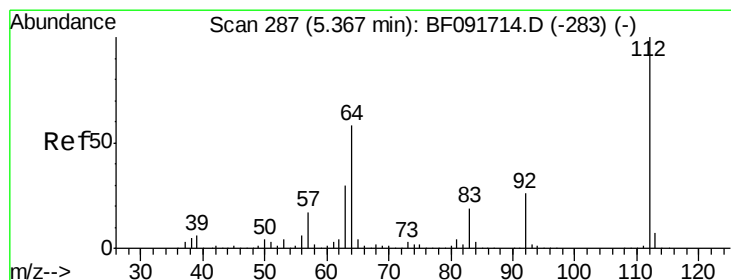
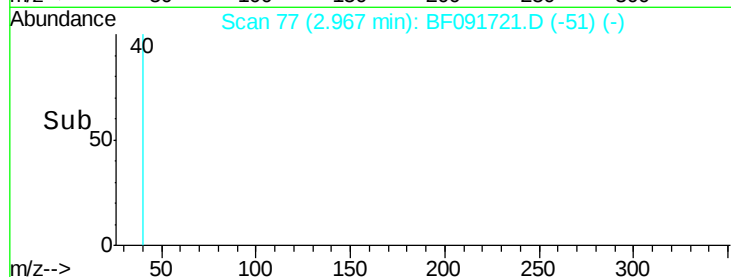
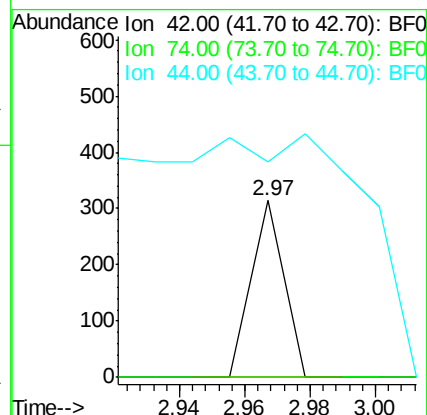
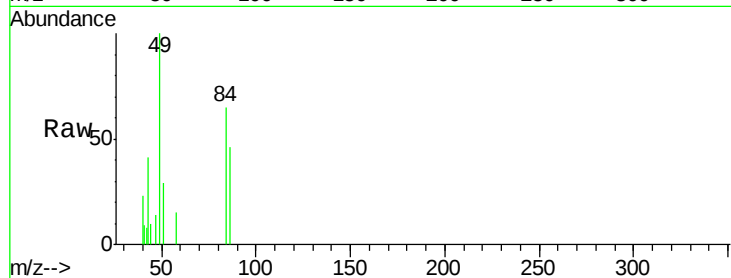
Instrument :

BNA_F

ClientSampleId :

PB95408BL

Tgt Ion:	42	Resp:	215
Ion	Ratio	Lower	Upper
42	100		
74	0.0	117.0	175.4#
44	122.0	5.5	8.3#



#5

2-Fluorophenol

Concen: 127.06 ng

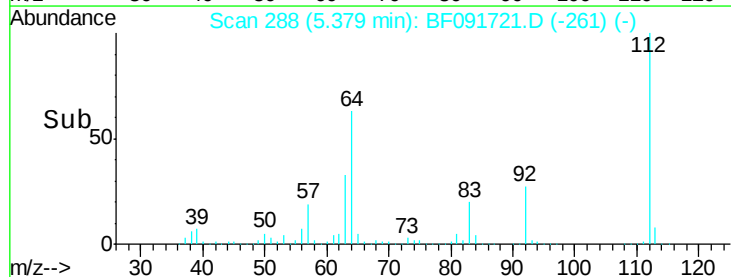
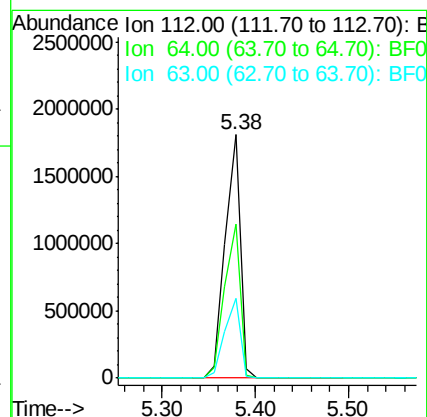
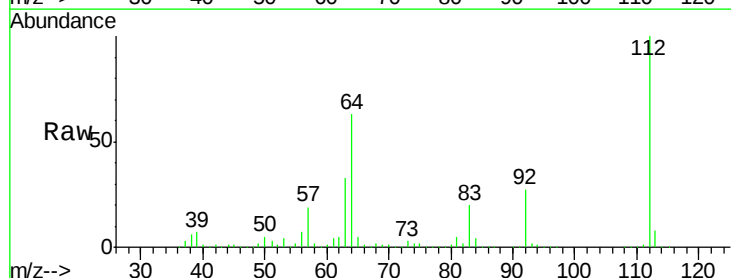
RT: 5.38 min Scan# 288

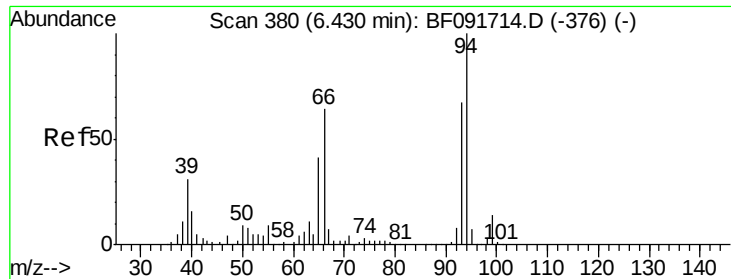
Delta R.T. 0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Tgt Ion:	112	Resp:	2044774
Ion	Ratio	Lower	Upper
112	100		
64	63.3	46.1	69.1
63	32.9	23.8	35.6





#6

Aniline

Concen: 0.12 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.10 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

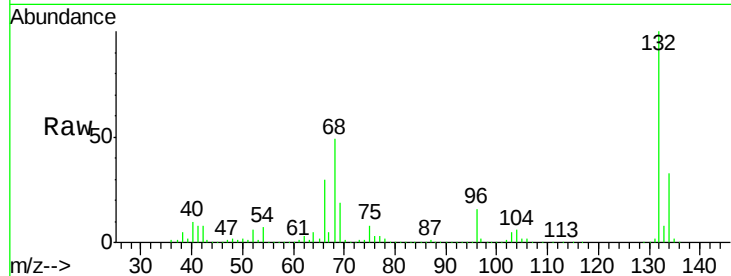
Tgt Ion: 93 Resp: 3079

Ion Ratio Lower Upper

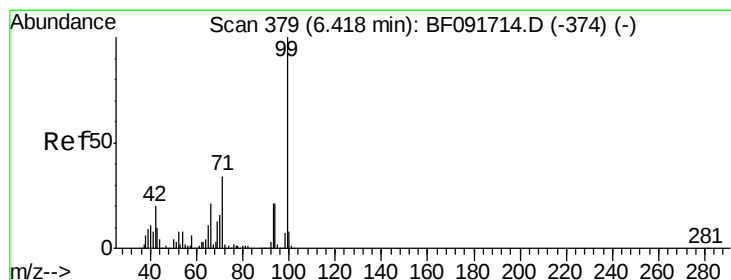
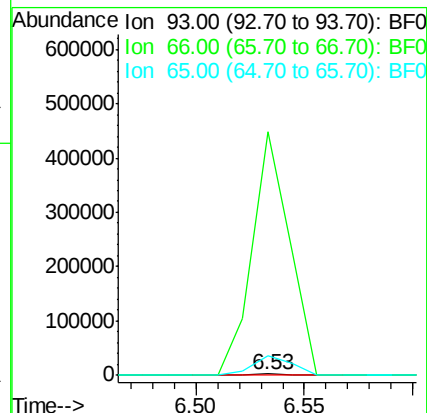
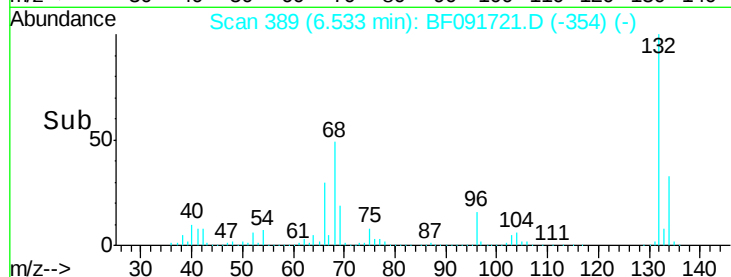
93 100

66 19416.3 76.2 114.2#

65 1539.7 49.3 73.9#



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: 140.93 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

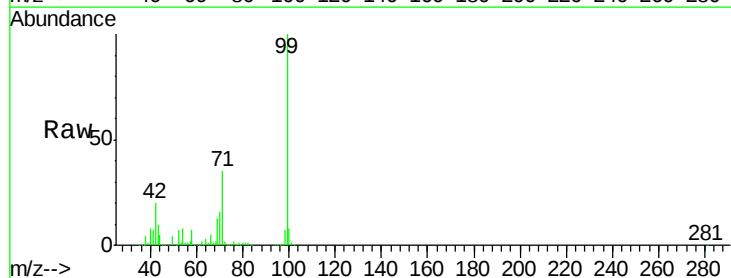
Tgt Ion: 99 Resp: 2766066

Ion Ratio Lower Upper

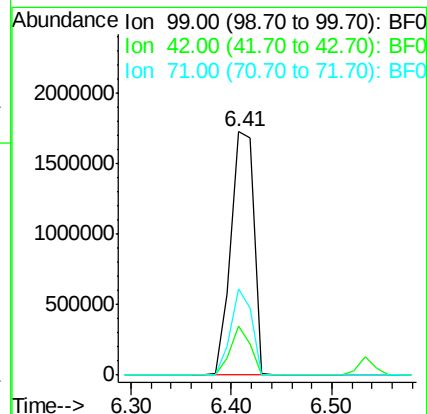
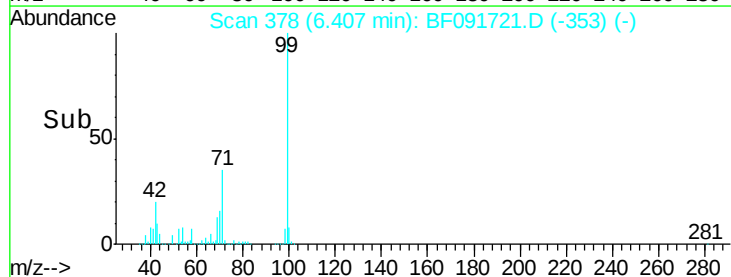
99 100

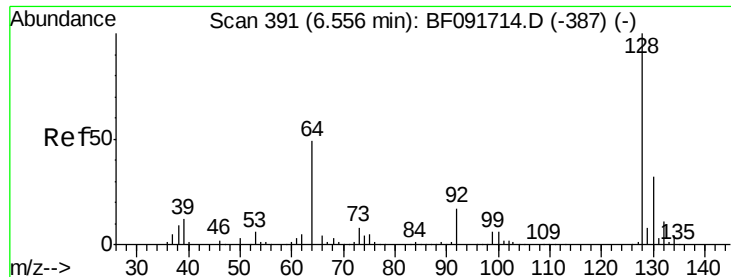
42 20.0 15.6 23.4

71 35.2 27.5 41.3



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





#8

2-Chlorophenol

Concen: 0.02 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

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PB95408BL

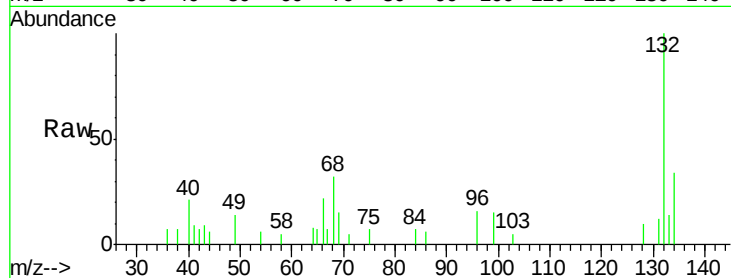
Tgt Ion: 128 Resp: 423

Ion Ratio Lower Upper

128 100

130 0.0 12.3 52.3#

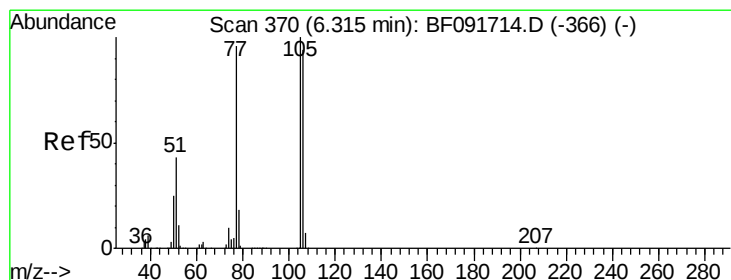
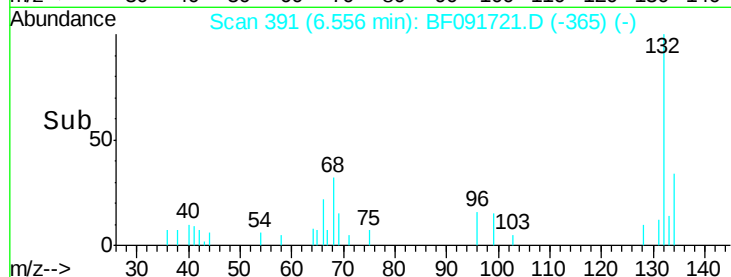
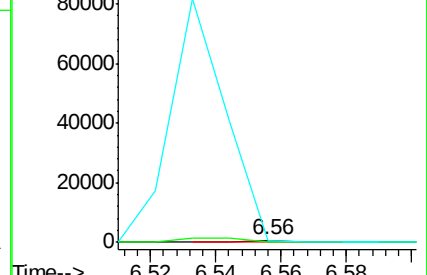
64 76.8 32.2 72.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.41 min Scan# 378

Delta R.T. 0.09 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

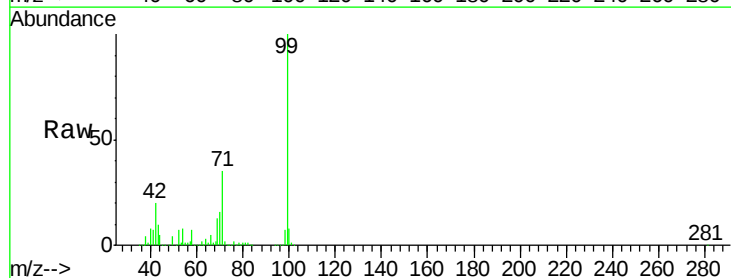
Tgt Ion: 77 Resp: 3907

Ion Ratio Lower Upper

77 100

105 0.0 83.9 123.9#

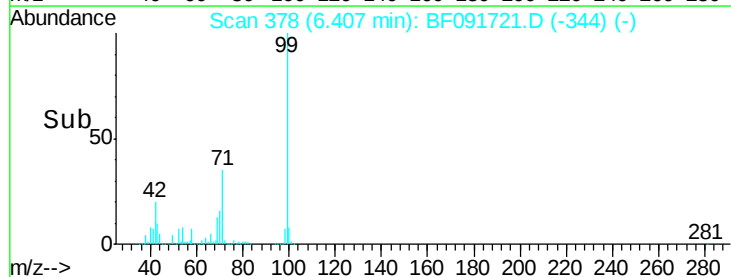
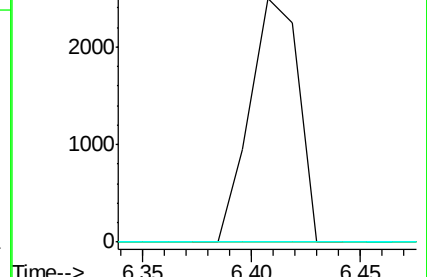
106 0.0 77.6 117.6#

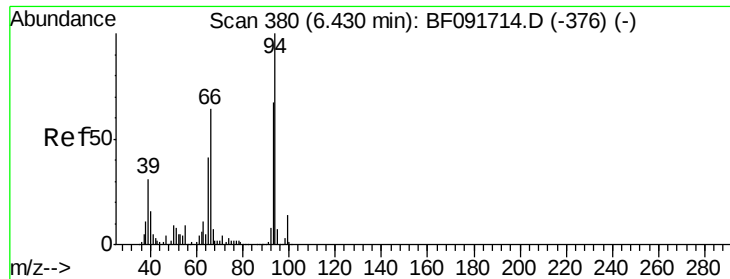


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.04 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampled :

PB95408BL

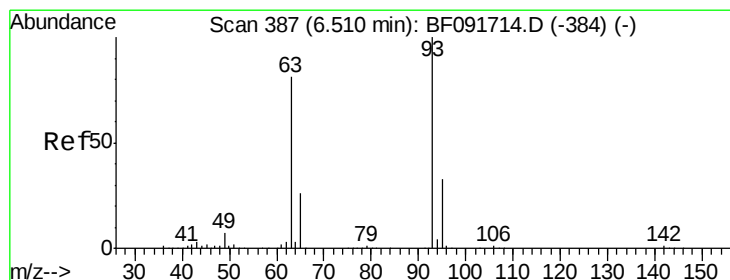
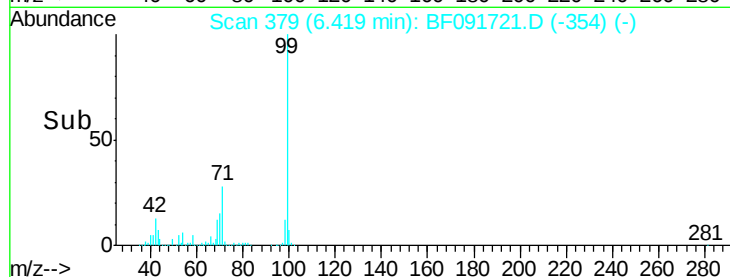
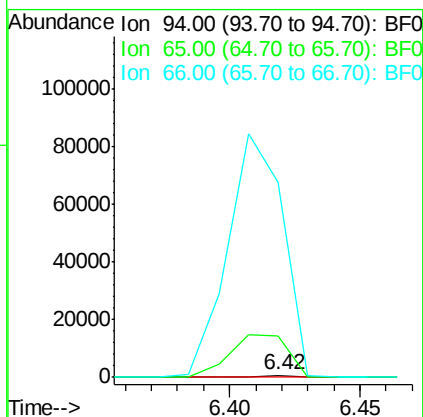
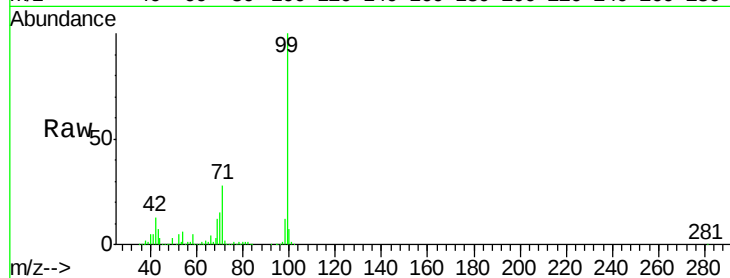
Tgt Ion: 94 Resp: 775

Ion Ratio Lower Upper

94 100

65 1873.4 21.4 61.4#

66 8758.5 44.0 84.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.17 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

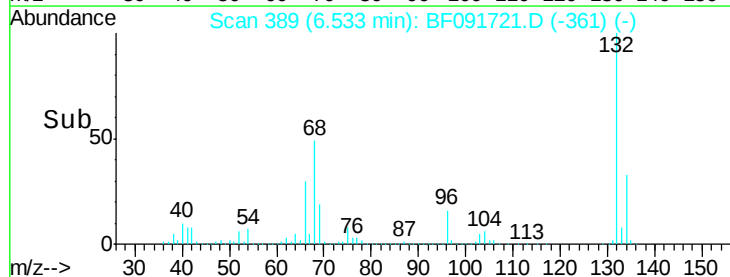
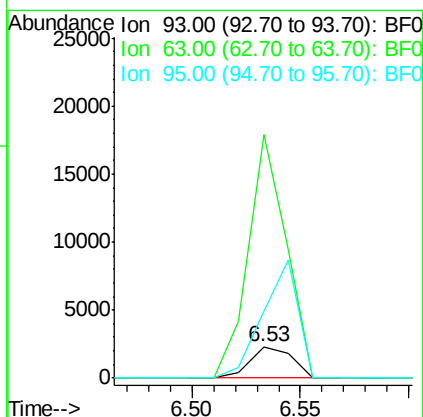
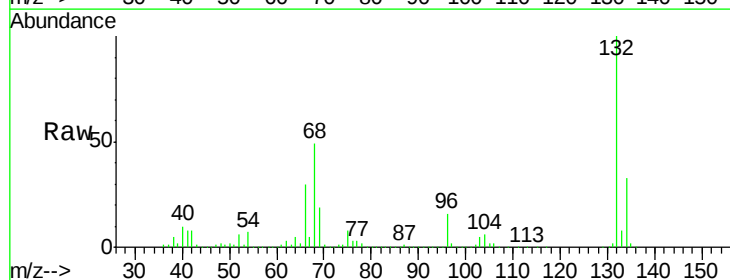
Tgt Ion: 93 Resp: 3079

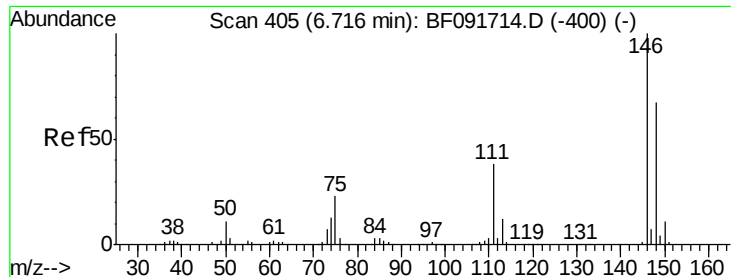
Ion Ratio Lower Upper

93 100

63 775.7 60.4 100.4#

95 212.4 12.8 52.8#

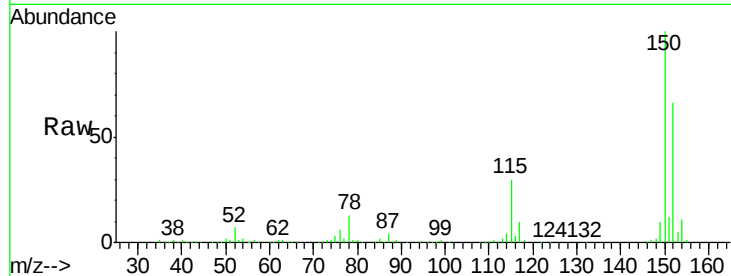




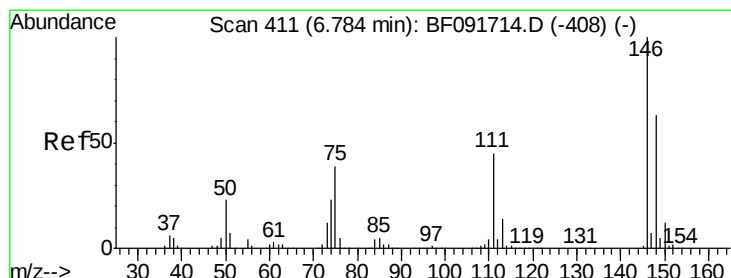
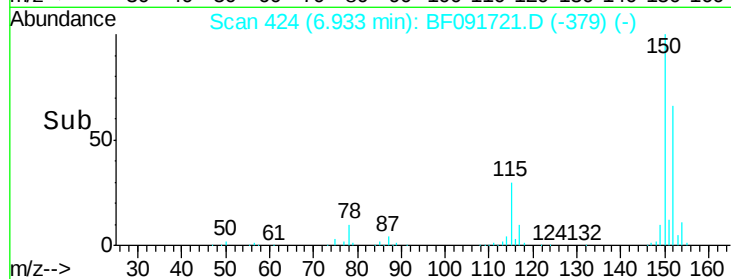
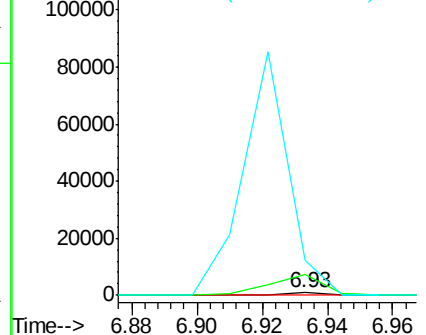
#12
 1,3-Dichlorobenzene
 Concen: 0.05 ng
 RT: 6.93 min Scan# 424
 Delta R.T. 0.22 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

Tgt Ion:146 Resp: 916
 Ion Ratio Lower Upper
 146 100
 148 718.8 53.4 80.0#
 75 1209.5 18.5 27.7#

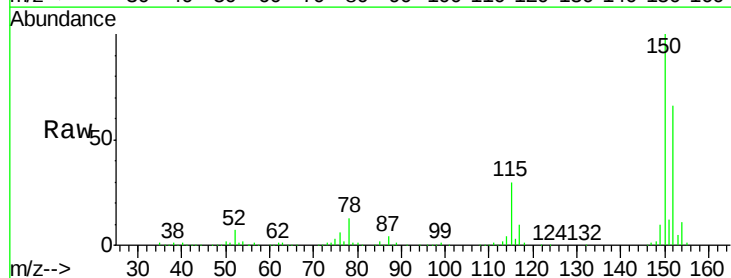


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

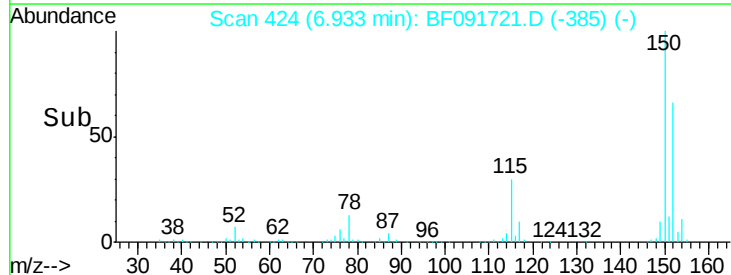
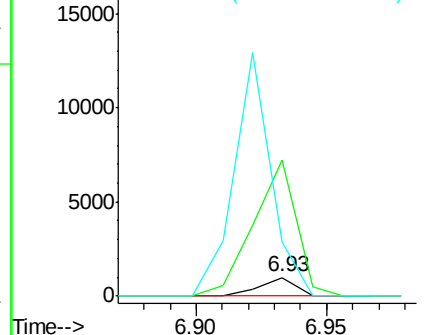


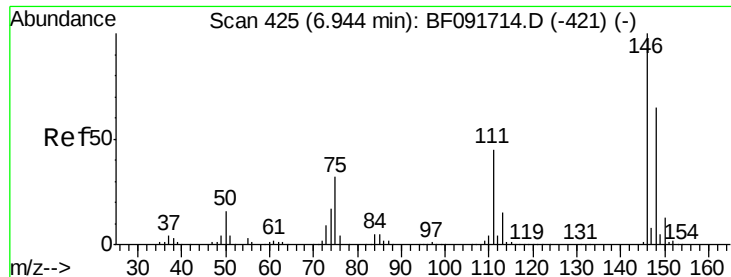
#13
 1,4-Dichlorobenzene
 Concen: 0.05 ng
 RT: 6.93 min Scan# 424
 Delta R.T. 0.15 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion:146 Resp: 916
 Ion Ratio Lower Upper
 146 100
 148 718.8 50.6 76.0#
 111 284.2 36.2 54.4#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

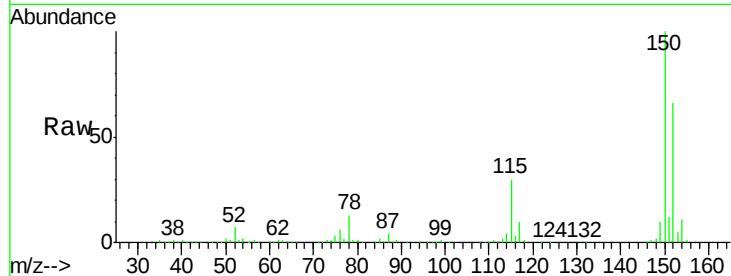




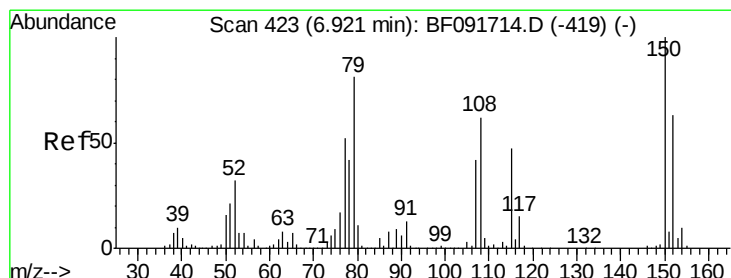
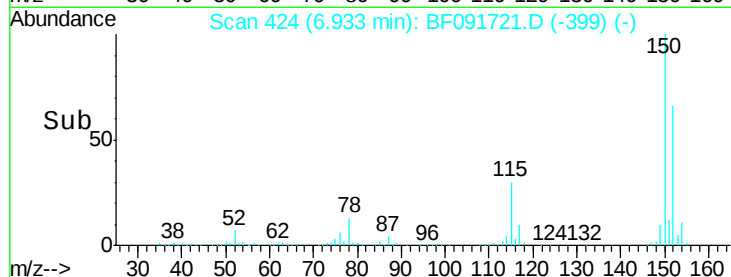
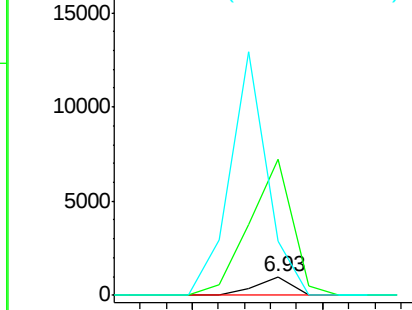
#14
 1,2-Dichlorobenzene
 Concen: 0.05 ng
 RT: 6.93 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

Tgt Ion:146 Resp: 916
 Ion Ratio Lower Upper
 146 100
 148 718.8 52.2 78.2#
 111 284.2 36.2 54.2#

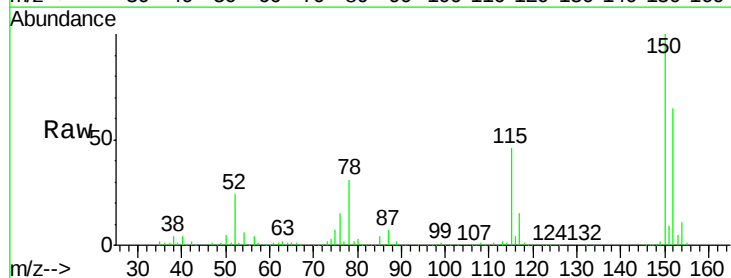


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

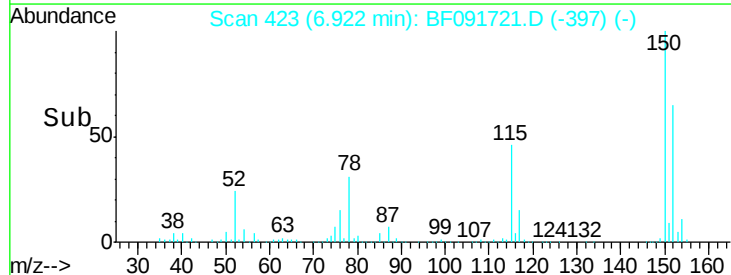
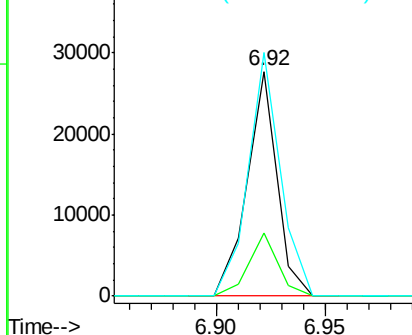


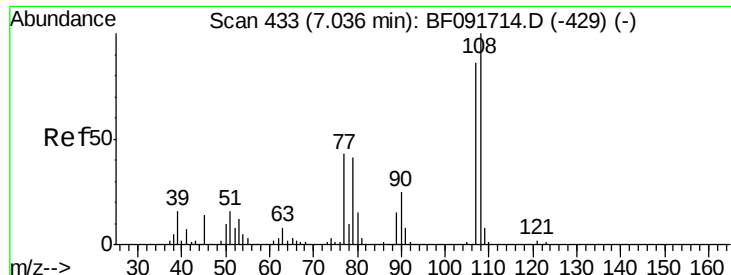
#15
 Benzyl Alcohol
 Concen: 1.74 ng
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion: 79 Resp: 26448
 Ion Ratio Lower Upper
 79 100
 108 28.1 61.4 92.0#
 77 108.4 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

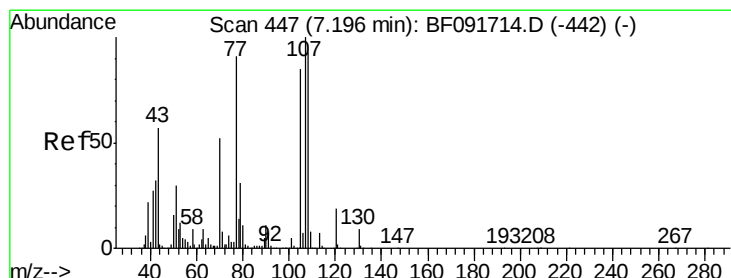
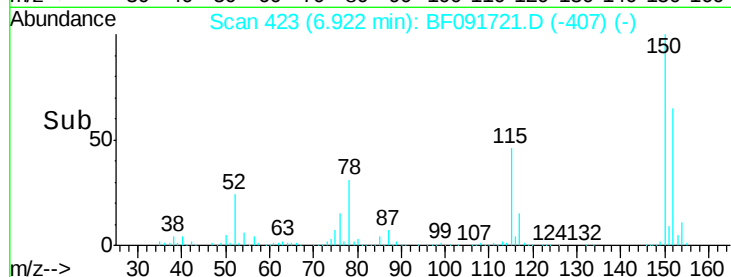
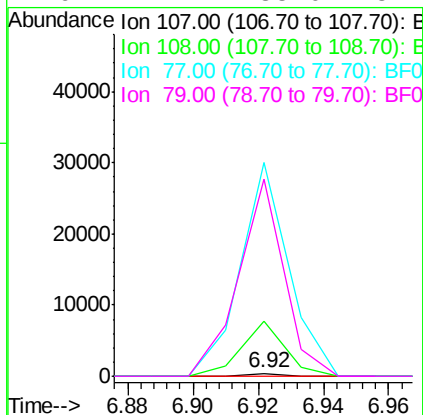
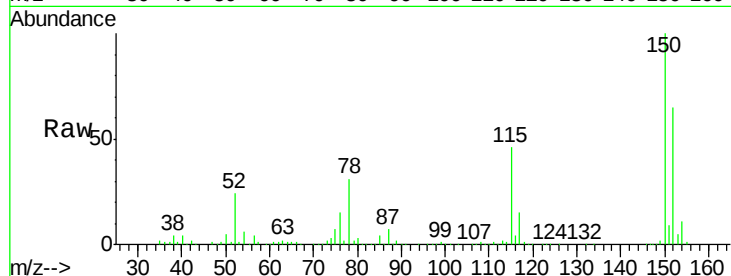




#17
2-Methylphenol
Concen: 0.02 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.11 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

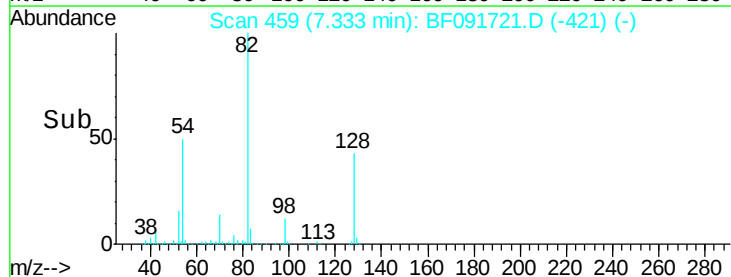
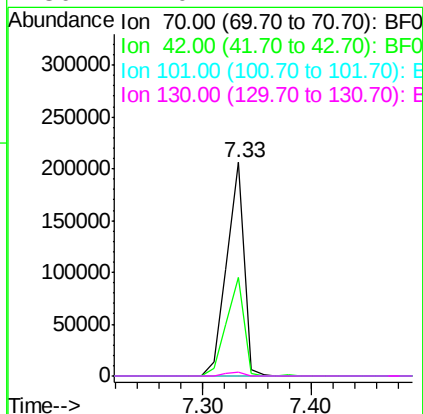
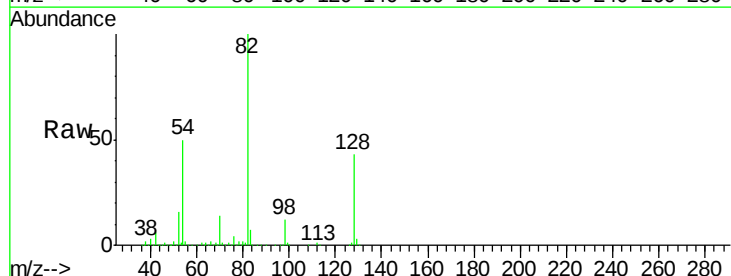
Instrument :
BNA_F
ClientSampleId :
PB95408BL

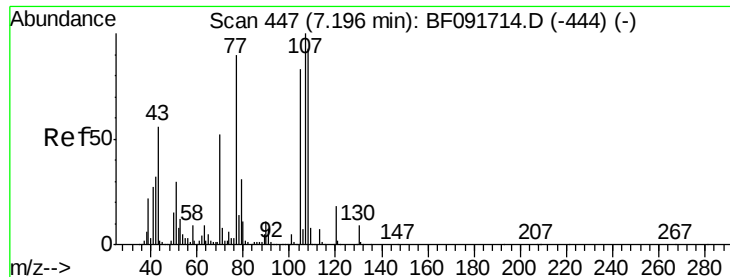
Tgt Ion: 107 Resp: 265
Ion Ratio Lower Upper
107 100
108 2020.2 93.0 139.6#
77 7778.2 39.8 59.8#
79 7177.2 38.0 57.0#



#19
n-Nitroso-di-n-propylamine
Concen: 17.39 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.14 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Tgt Ion: 70 Resp: 226979
Ion Ratio Lower Upper
70 100
42 46.2 49.4 74.0#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

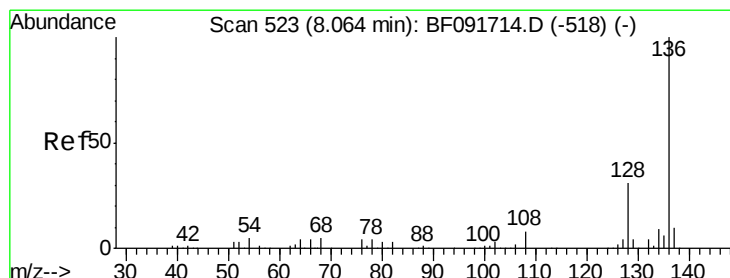
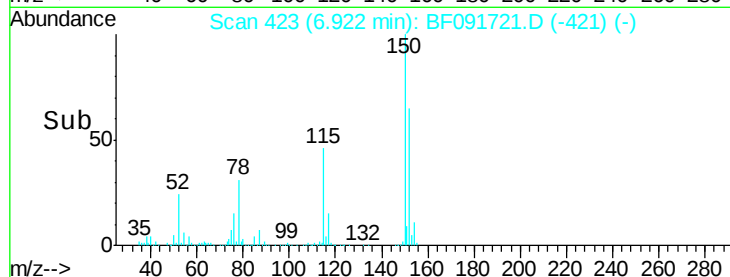
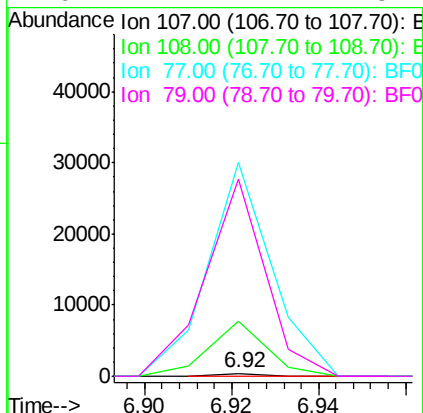
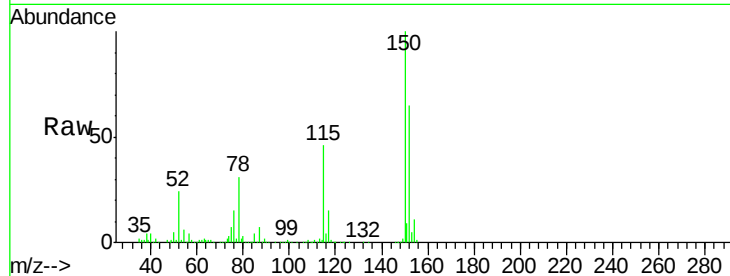




#20
 3+4-Methylphenols
 Concen: 0.02 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.27 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

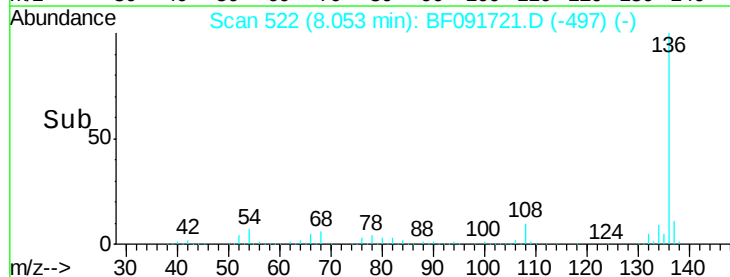
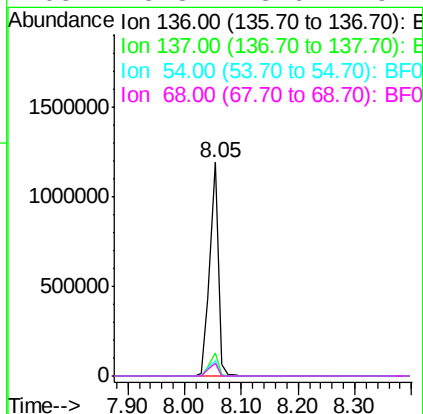
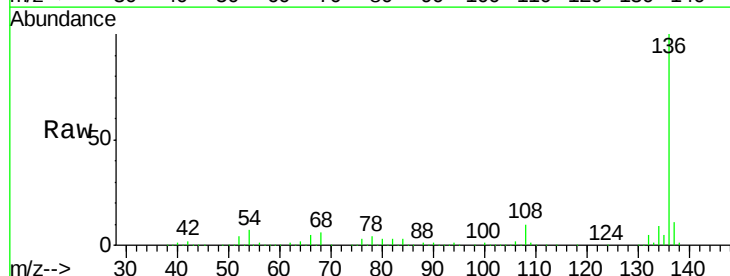
Instrument :
 BNA_F
 ClientSampleID :
 PB95408BL

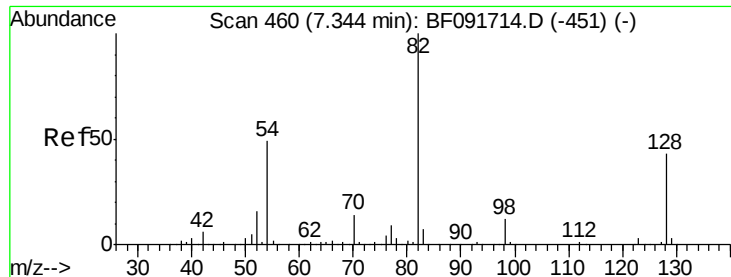
Tgt Ion:107 Resp: 265
 Ion Ratio Lower Upper
 107 100
 108 2020.2 73.0 113.0#
 77 7778.2 71.3 111.3#
 79 7177.2 11.1 51.1#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.05 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion:136 Resp: 1180218
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.4 12.6
 54 7.3 4.5 6.7#
 68 5.8 3.6 5.4#

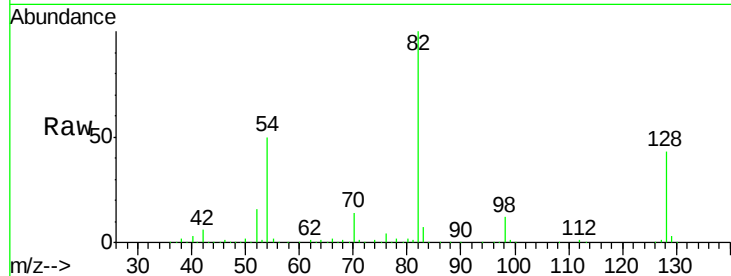




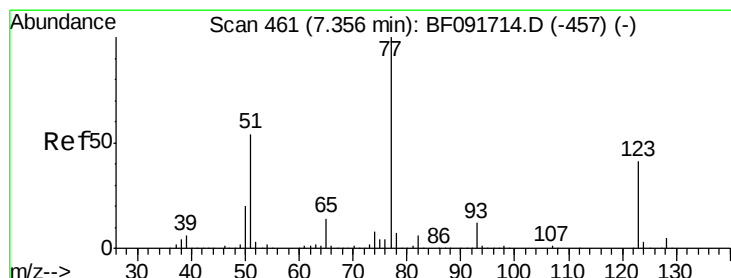
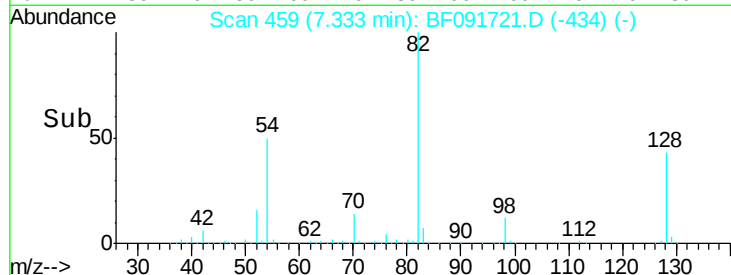
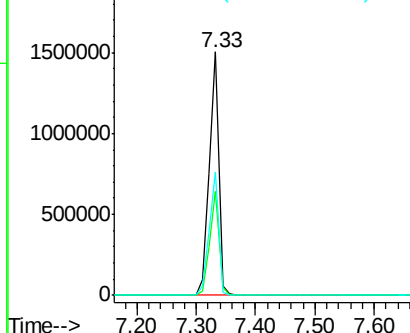
#23
 Nitrobenzene-d5
 Concen: 81.82 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

Tgt Ion: 82 Resp: 1674529
 Ion Ratio Lower Upper
 82 100
 128 42.5 34.6 52.0
 54 50.5 39.5 59.3

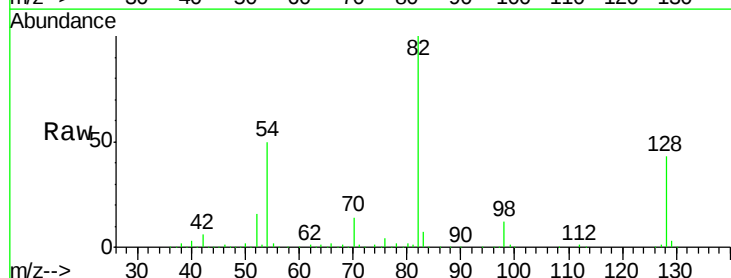


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

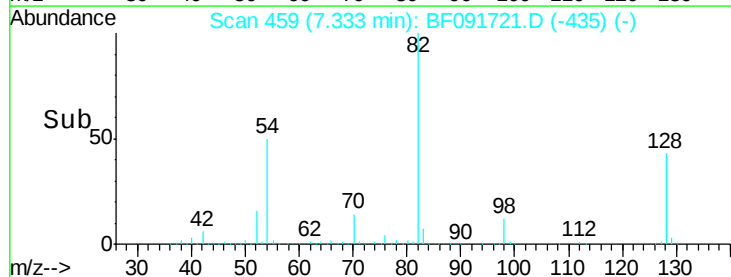
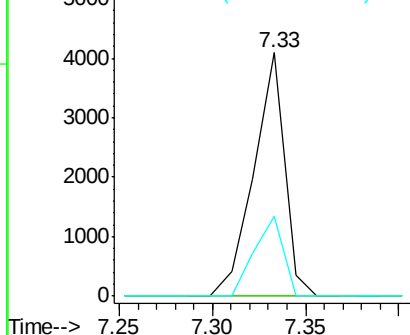


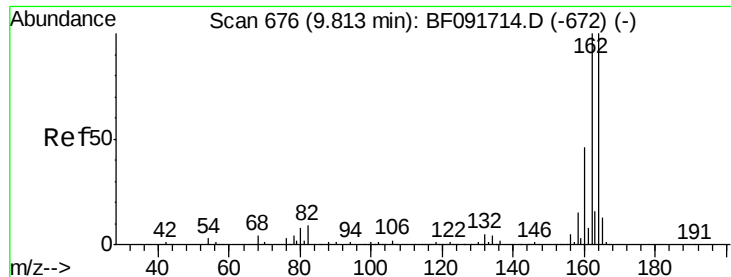
#24
 Nitrobenzene
 Concen: 0.21 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion: 77 Resp: 4681
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 32.6 11.2 16.8#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

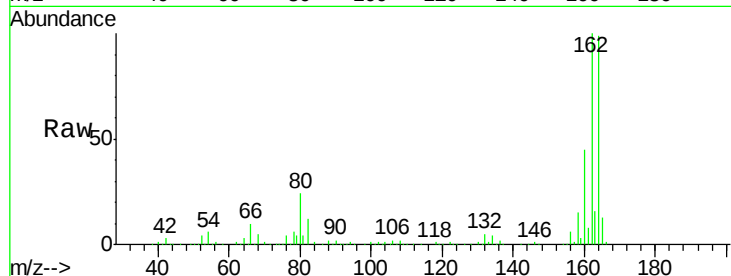
Tgt Ion:164 Resp: 597941

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

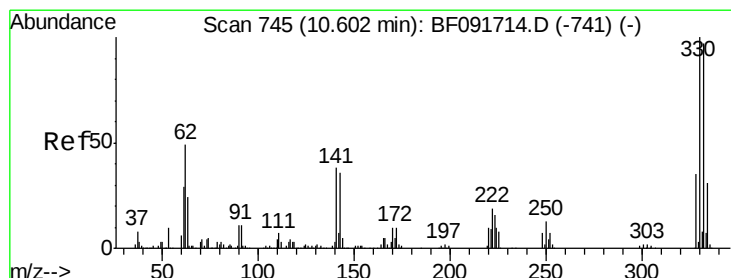
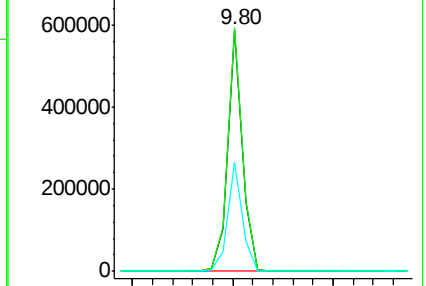
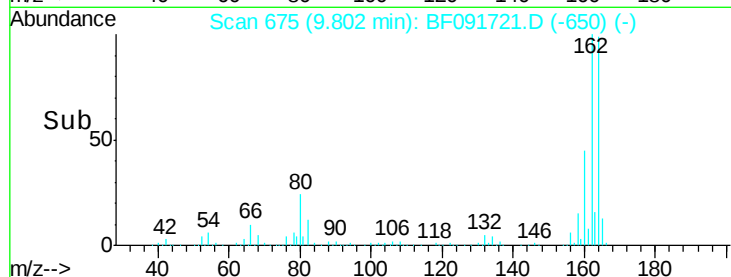
160 45.5 36.9 55.3



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: 142.84 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

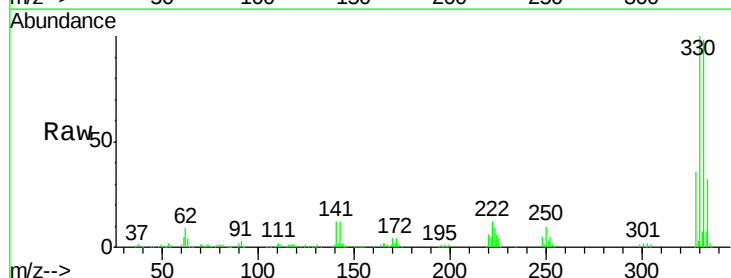
Tgt Ion:330 Resp: 724216

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

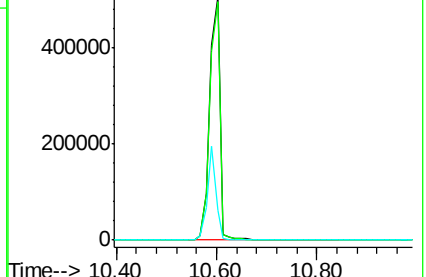
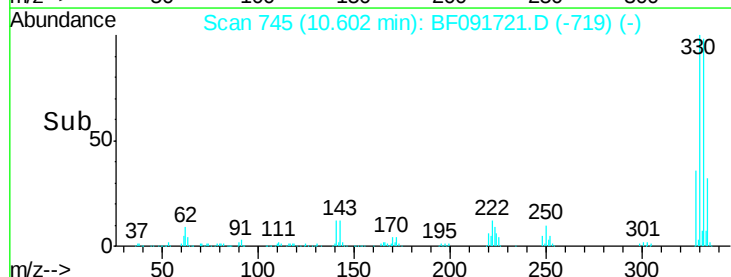
141 32.8 34.1 51.1#

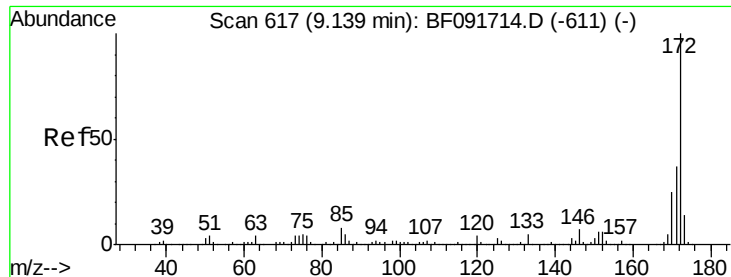


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

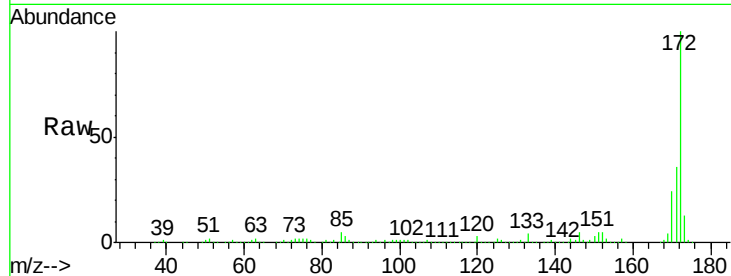




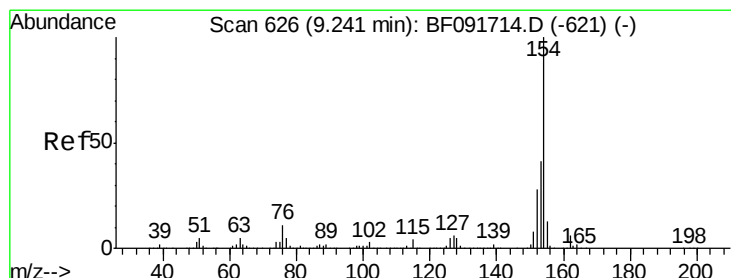
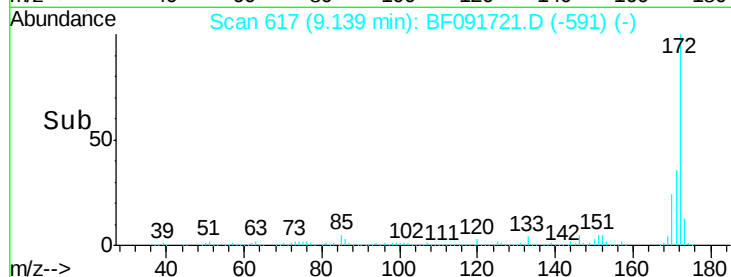
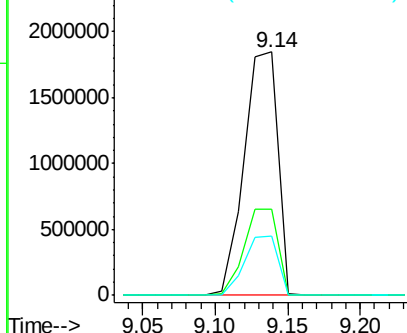
#44
2-Fluorobiphenyl
Concen: 100.21 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Instrument :
BNA_F
ClientSampleId :
PB95408BL

Tgt Ion:172 Resp: 2982536
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 24.2 20.2 30.4

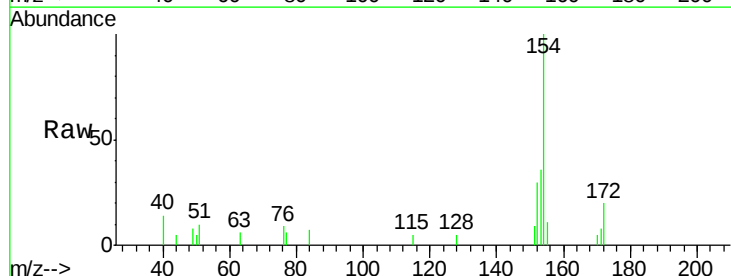


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

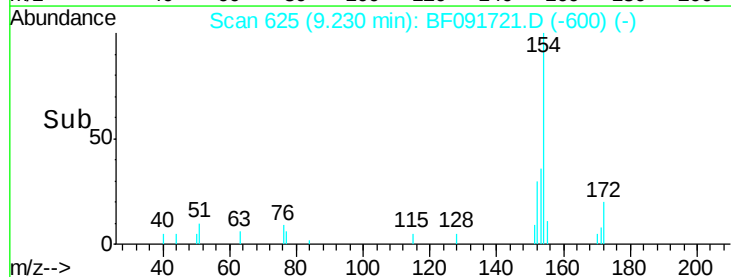
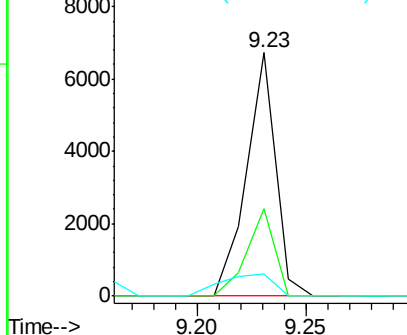


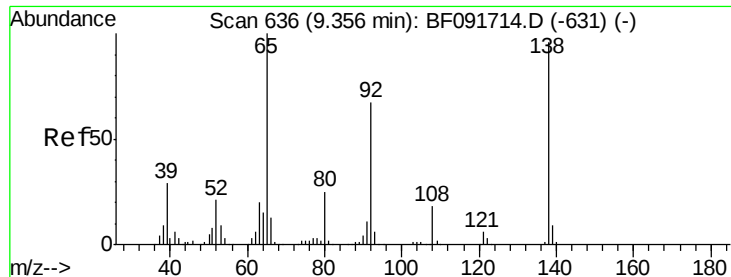
#45
1,1'-Biphenyl
Concen: 0.15 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Tgt Ion:154 Resp: 6262
Ion Ratio Lower Upper
154 100
153 35.9 20.9 60.9
76 9.3 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

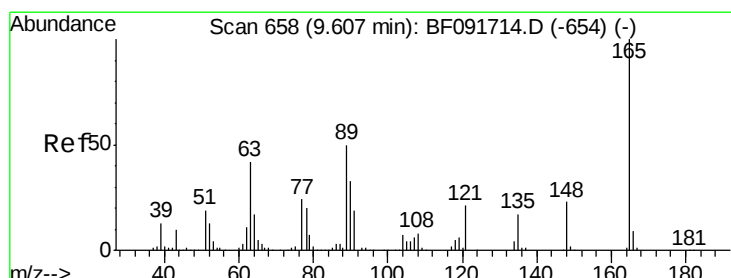
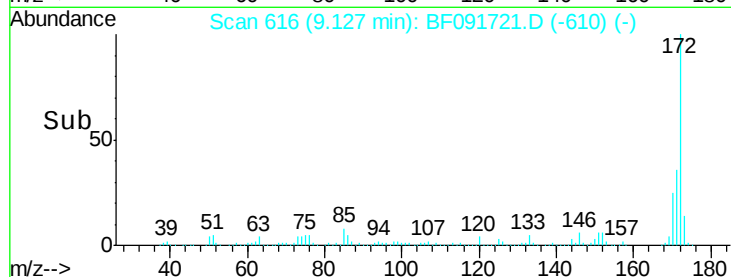
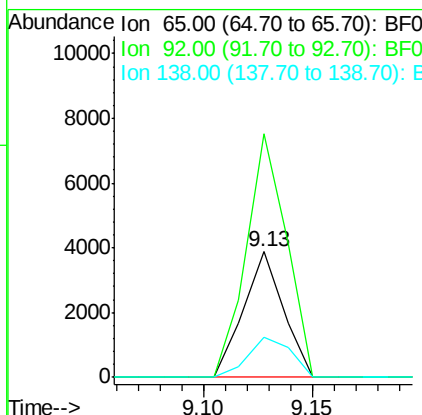
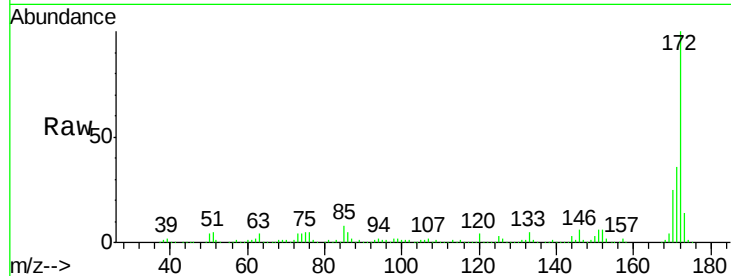




#47
 2-Nitroaniline
 Concen: 0.45 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.23 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

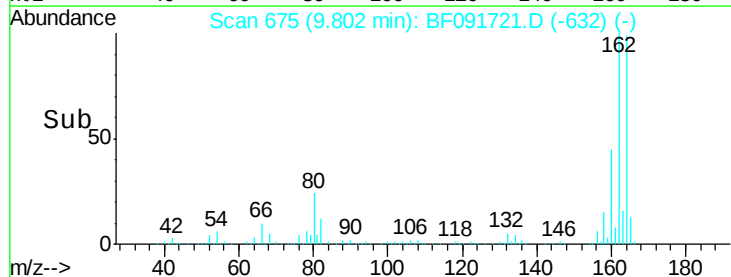
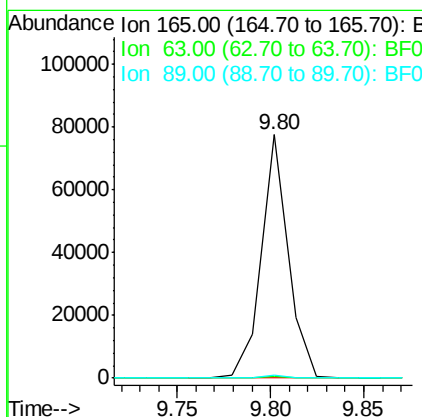
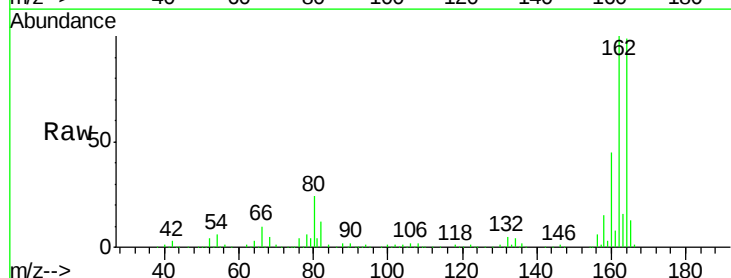
Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

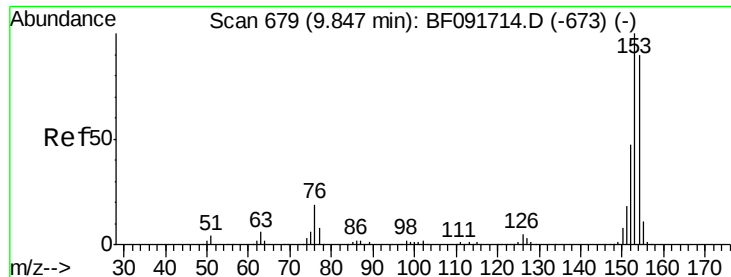
Tgt Ion: 65 Resp: 4973
 Ion Ratio Lower Upper
 65 100
 92 193.7 53.9 80.9#
 138 32.2 76.8 115.2#



#50
 2,6-Dinitrotoluene
 Concen: 8.99 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion: 165 Resp: 76954
 Ion Ratio Lower Upper
 165 100
 63 0.6 36.2 54.4#
 89 1.2 40.2 60.4#





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

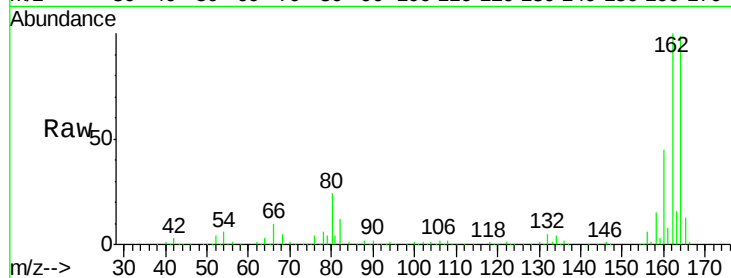
Tgt Ion:154 Resp: 1953

Ion Ratio Lower Upper

154 100

153 0.0 88.6 133.0#

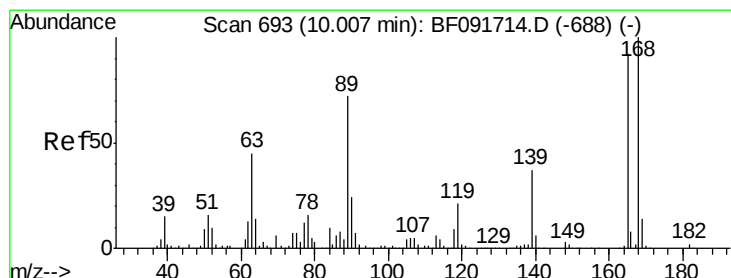
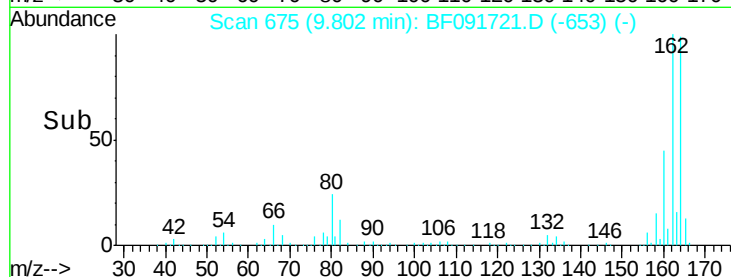
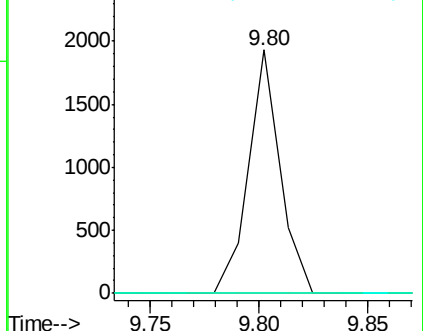
152 0.0 41.6 62.4#



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



#56

2,4-Dinitrotoluene

Concen: 7.19 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Tgt Ion:165 Resp: 76958

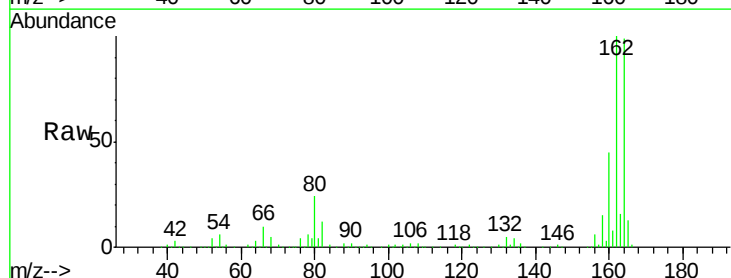
Ion Ratio Lower Upper

165 100

63 0.6 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

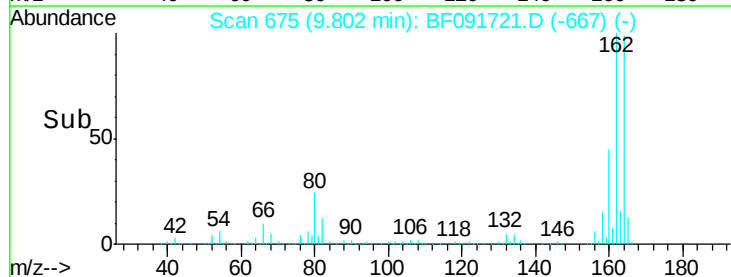
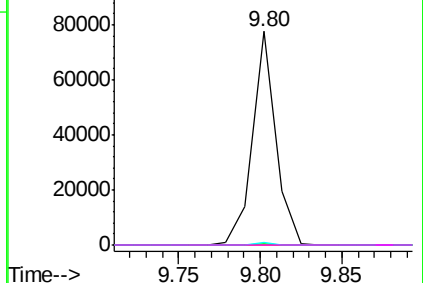


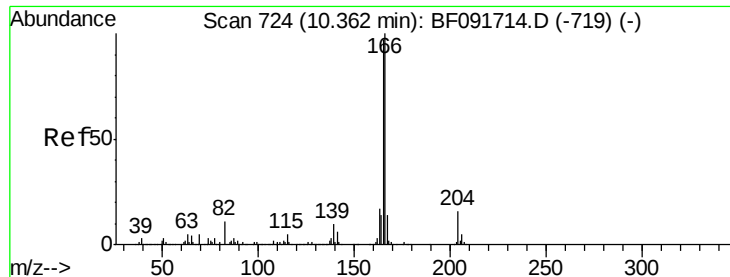
Abundance Ion 165.00 (164.70 to 165.70): E

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

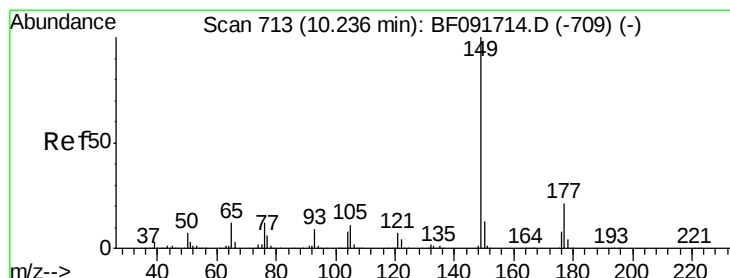
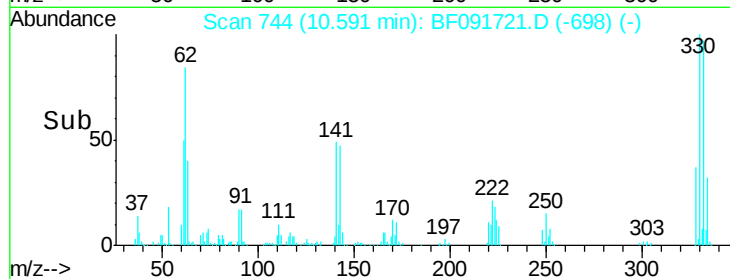
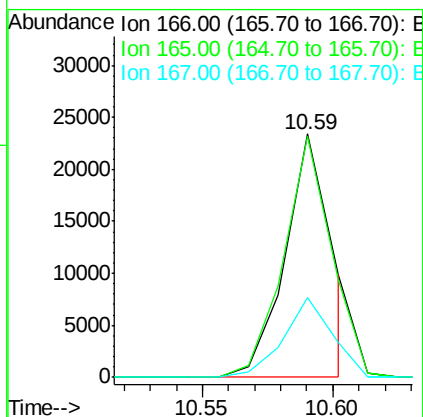
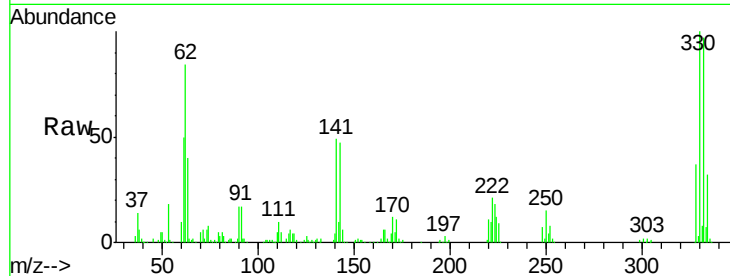




#57
 Fluorene
 Concen: 0.92 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.23 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

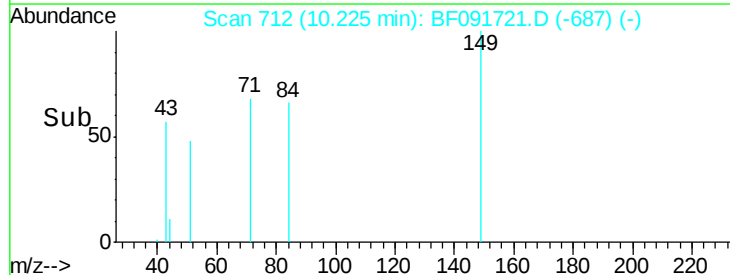
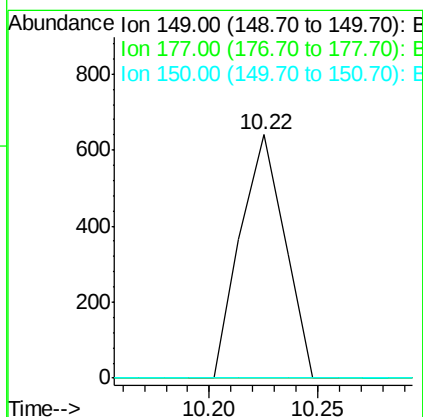
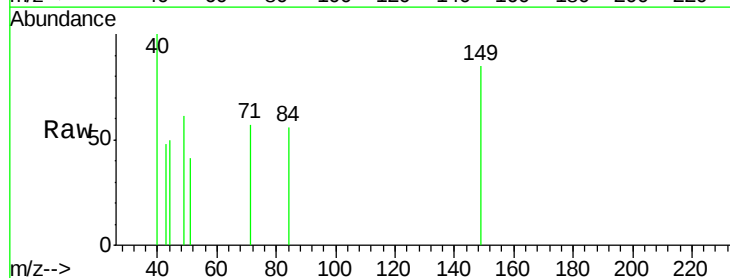
Instrument :
 BNA_F
 ClientSampleId :
 PB95408BL

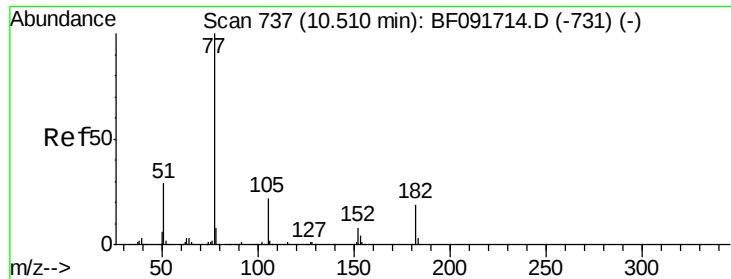
Tgt Ion:166 Resp: 29057
 Ion Ratio Lower Upper
 166 100
 165 99.2 77.8 116.8
 167 33.0 10.8 16.2#



#59
 Diethylphthalate
 Concen: 0.02 ng
 RT: 10.22 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion:149 Resp: 913
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.6 25.0#
 150 0.0 10.4 15.6#





#62

Azobenzene

Concen: 0.09 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.08 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

Tgt Ion: 77 Resp: 3529

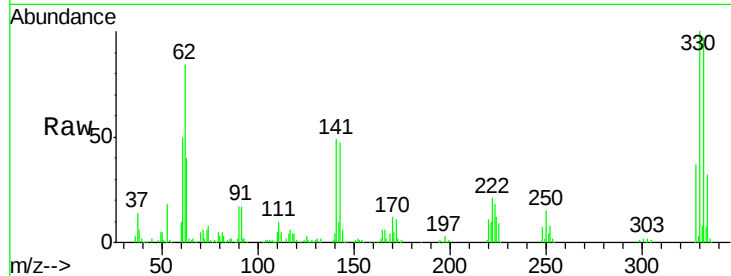
Ion Ratio Lower Upper

77 100

182 0.0 0.0 39.3

105 101.8 2.3 42.3#

51 96.1 8.9 48.9#

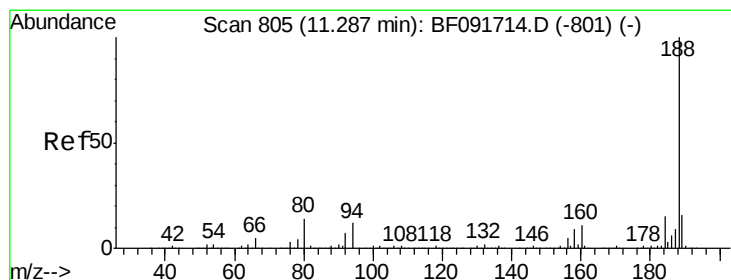
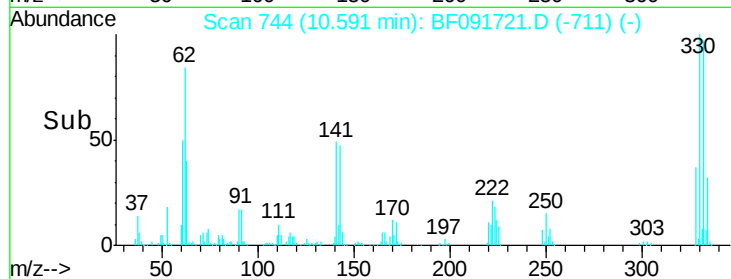
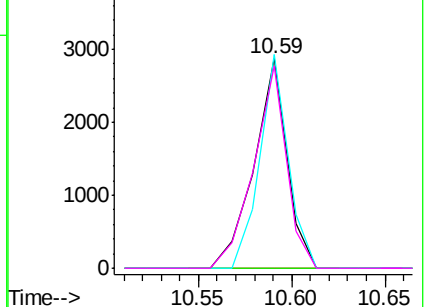


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

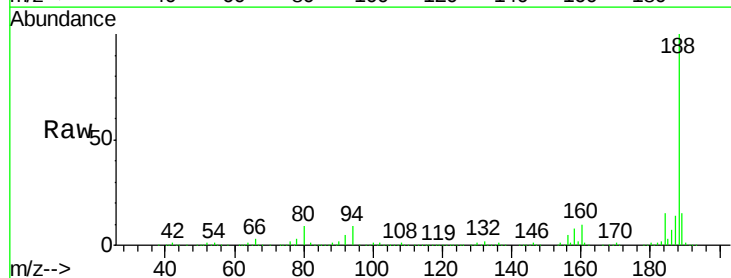
Tgt Ion: 188 Resp: 1122121

Ion Ratio Lower Upper

188 100

94 8.6 10.0 15.0#

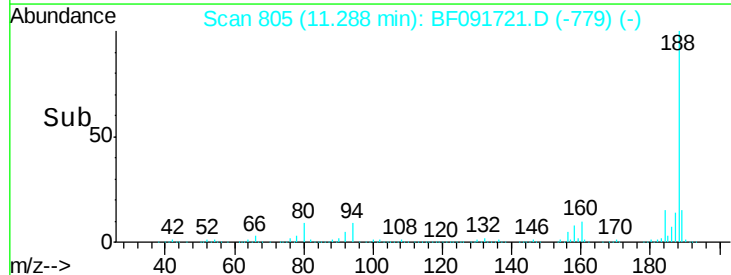
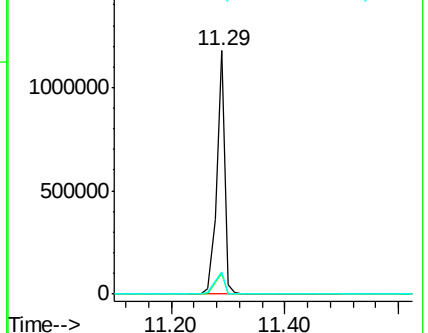
80 9.2 11.2 16.8#

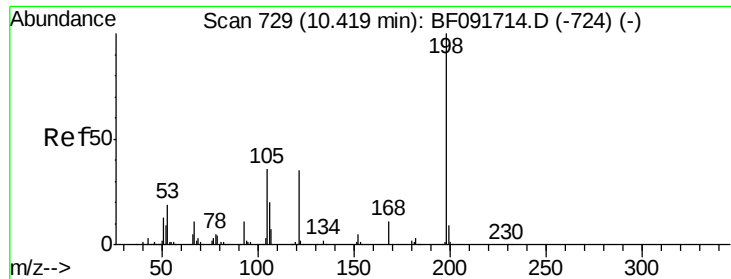


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.19 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.17 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

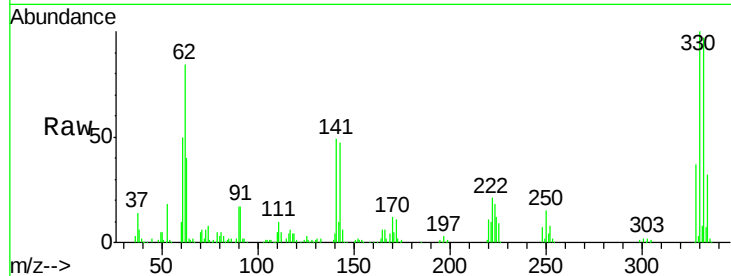
Tgt Ion:198 Resp: 1432

Ion Ratio Lower Upper

198 100

51 244.7 6.7 46.7#

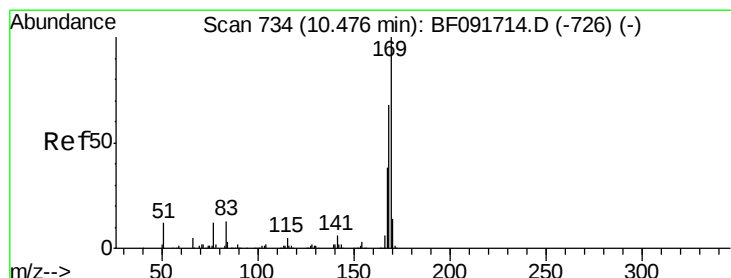
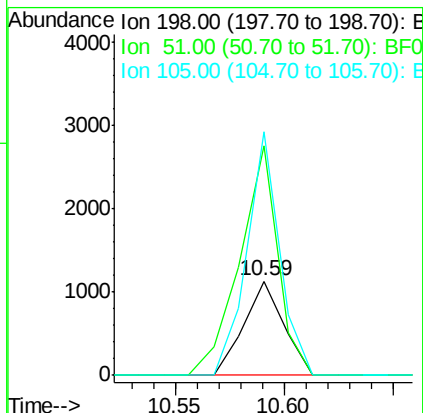
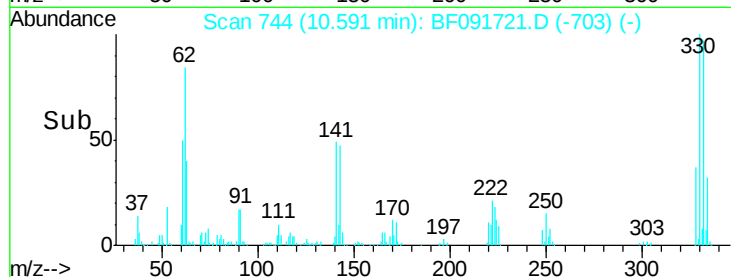
105 259.2 16.6 56.6#



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: 0.60 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.11 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

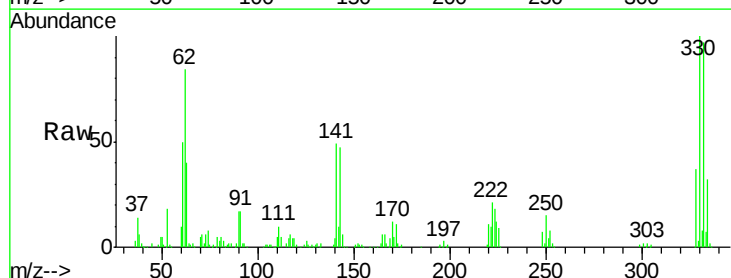
Tgt Ion:169 Resp: 21015

Ion Ratio Lower Upper

169 100

168 7.3 54.2 81.2#

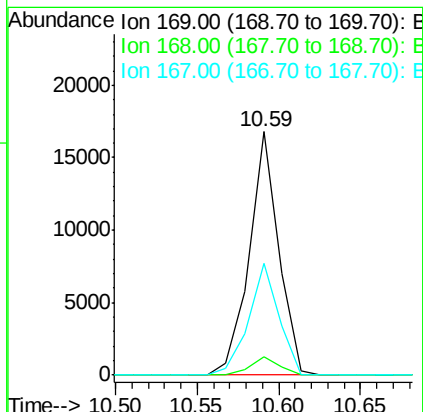
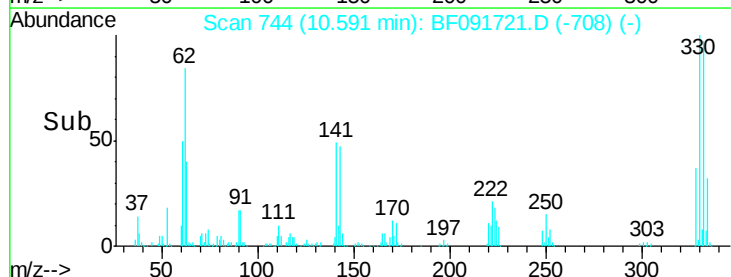
167 46.0 30.2 45.4#

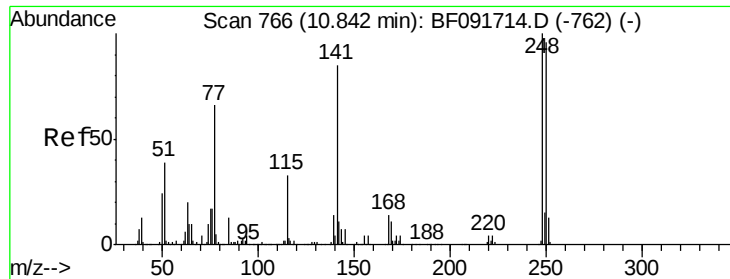


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.76 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.25 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

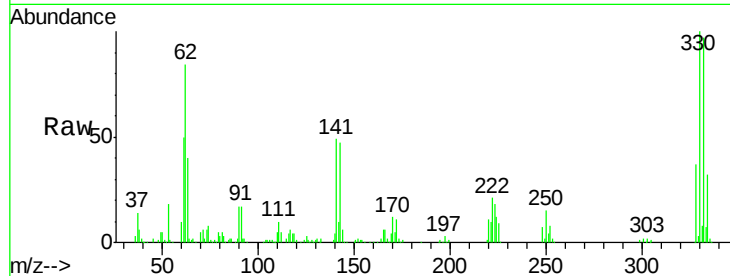
Tgt Ion:248 Resp: 44187

Ion Ratio Lower Upper

248 100

250 205.2 76.9 115.3#

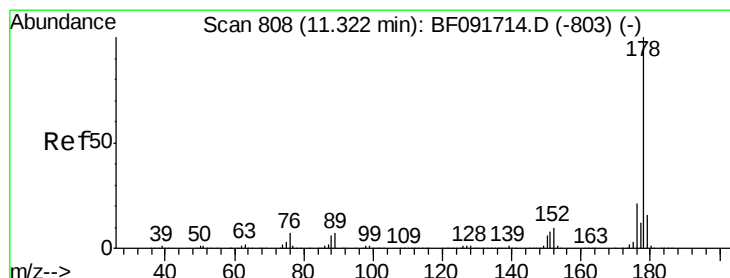
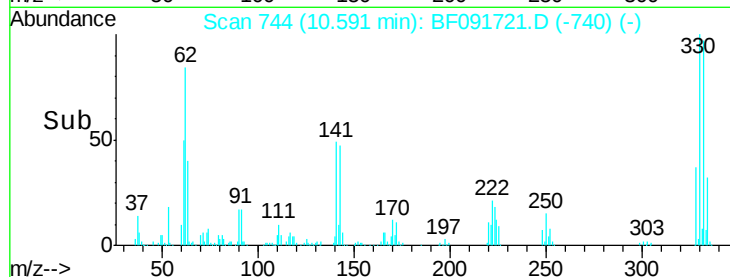
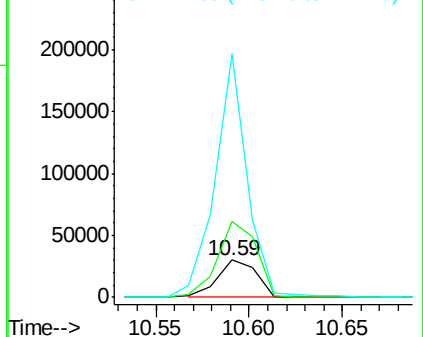
141 654.3 68.2 102.4#



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: 0.01 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

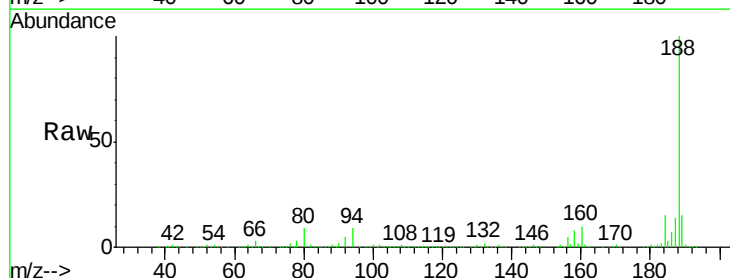
Tgt Ion:178 Resp: 451

Ion Ratio Lower Upper

178 100

176 0.0 16.6 25.0#

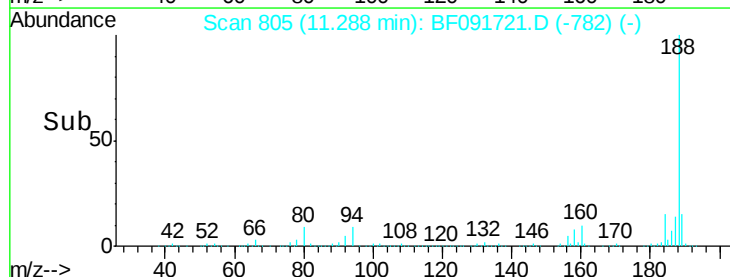
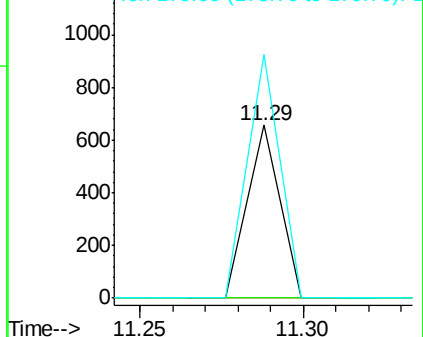
179 140.6 12.8 19.2#

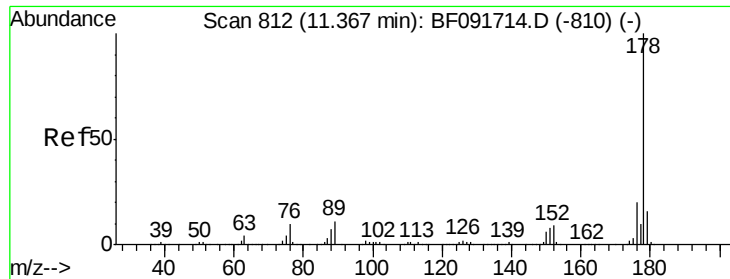


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.01 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.08 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

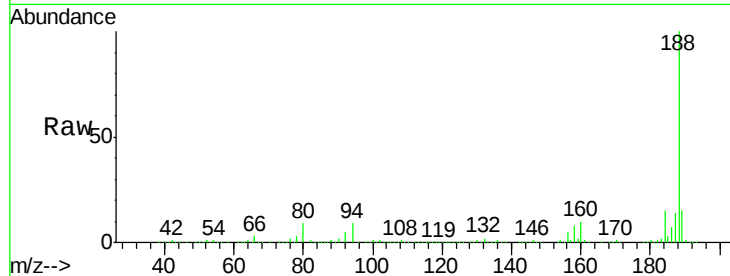
Tgt Ion:178 Resp: 451

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

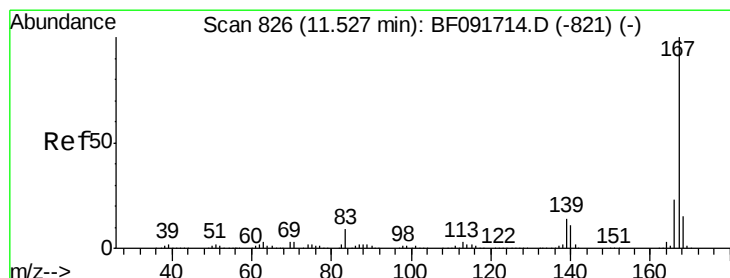
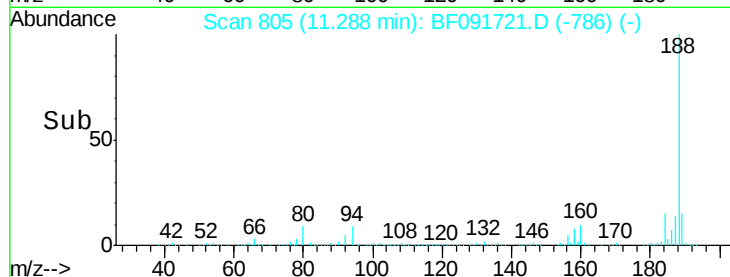
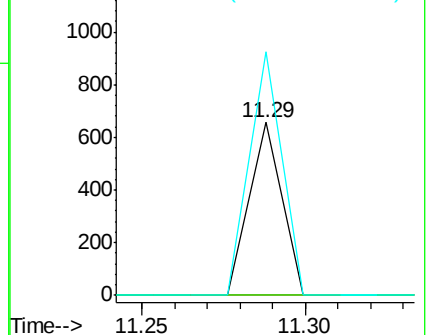
179 140.6 13.2 19.8#



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: 0.00 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

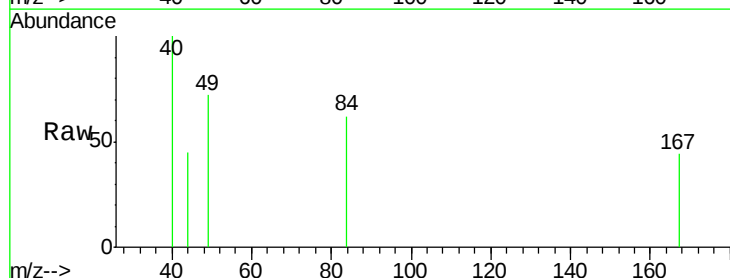
Tgt Ion:167 Resp: 221

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.2#

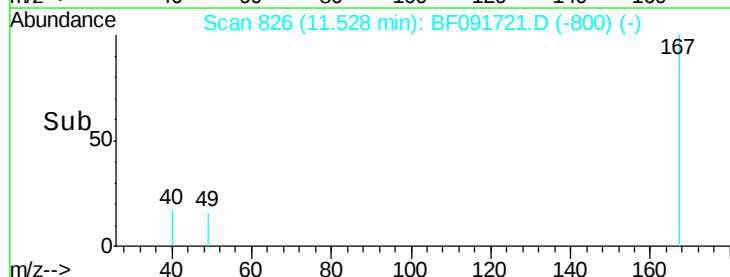
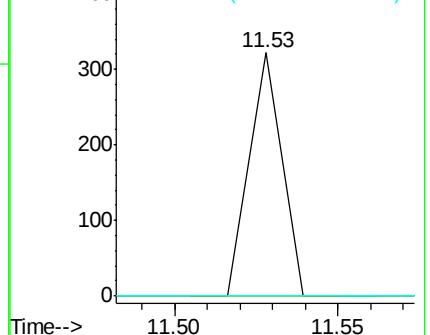
139 0.0 11.4 17.2#

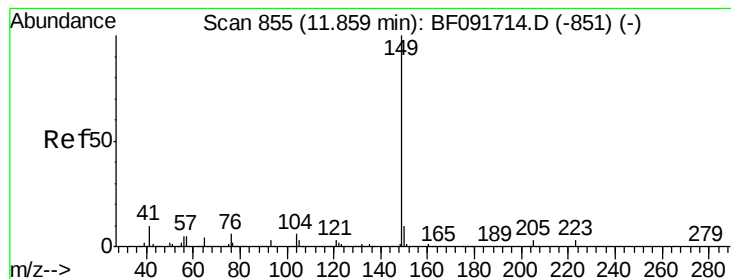


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.06 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

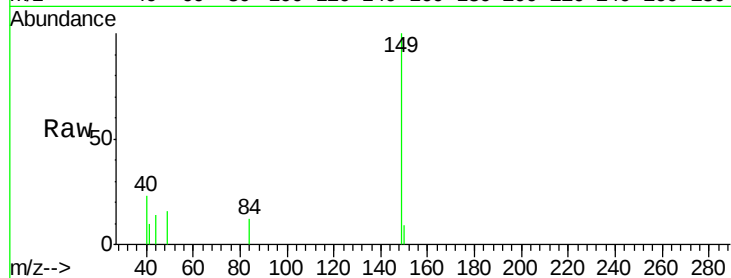
Tgt Ion:149 Resp: 3890

Ion Ratio Lower Upper

149 100

150 8.7 8.1 12.1

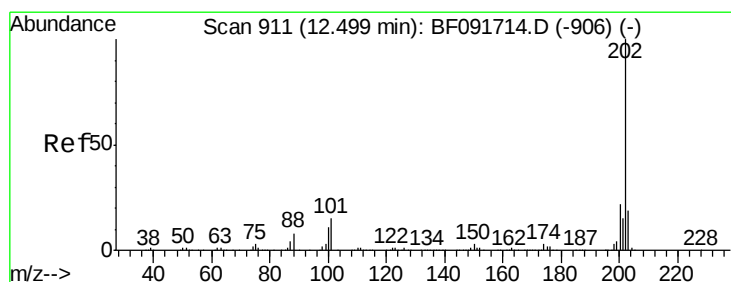
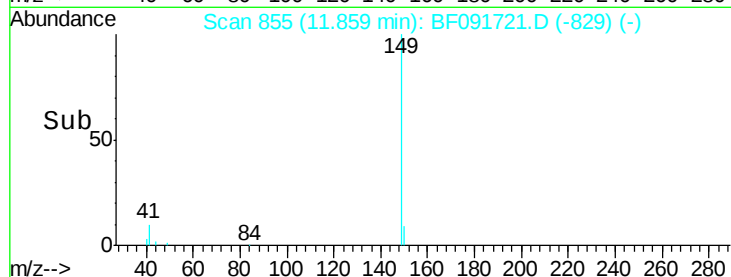
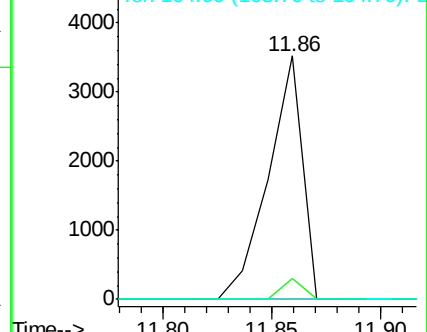
104 0.0 4.6 7.0#



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: 0.02 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

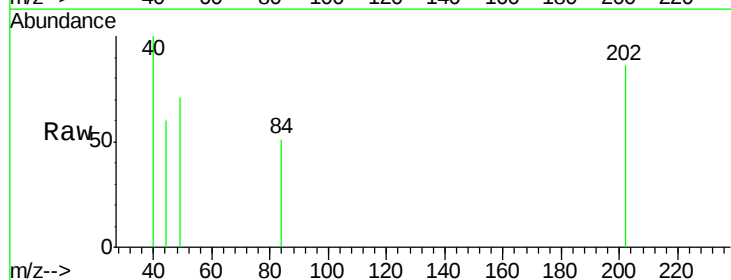
Tgt Ion:202 Resp: 1009

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

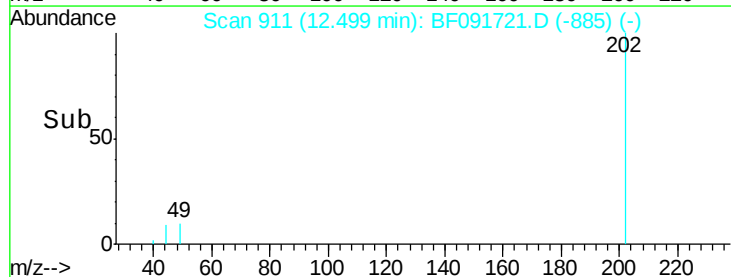
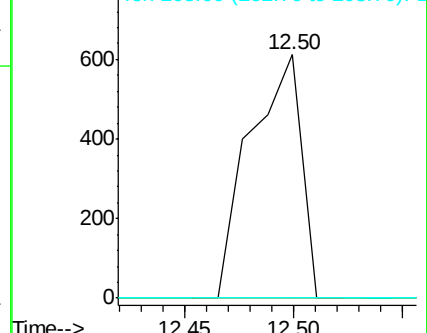
203 0.0 0.0 38.7

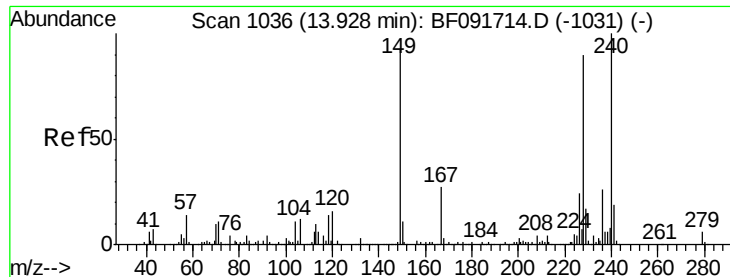


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

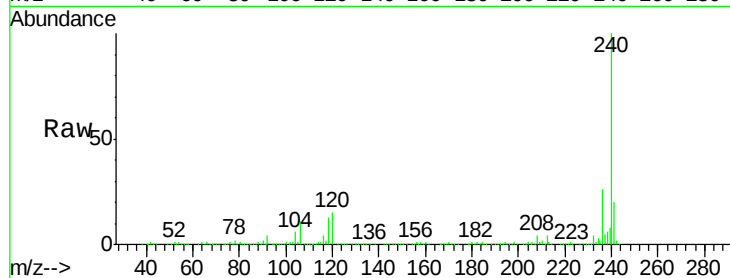
Tgt Ion:240 Resp: 1001509

Ion Ratio Lower Upper

240 100

120 14.5 12.9 19.3

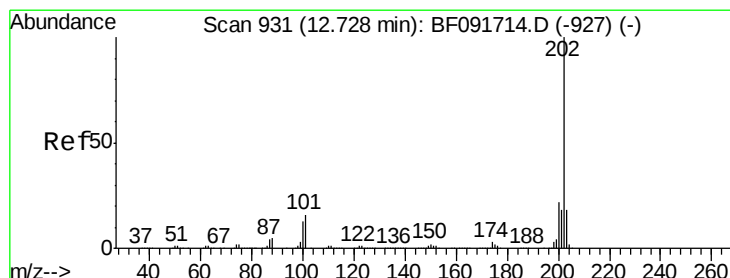
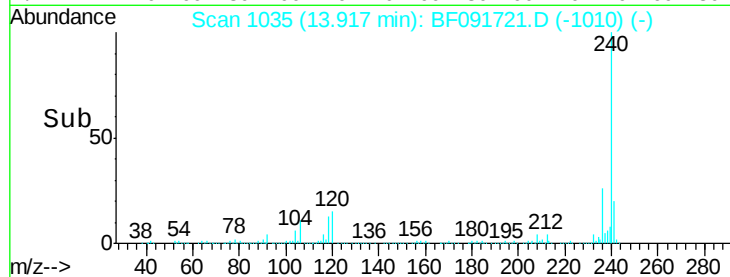
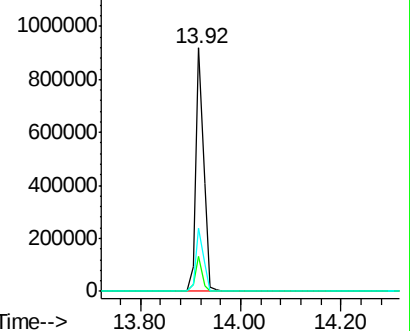
236 26.1 20.9 31.3



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



#77

Pyrene

Concen: 0.02 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

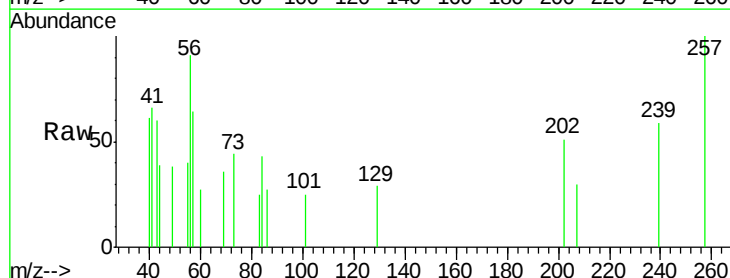
Tgt Ion:202 Resp: 1205

Ion Ratio Lower Upper

202 100

200 0.0 17.7 26.5#

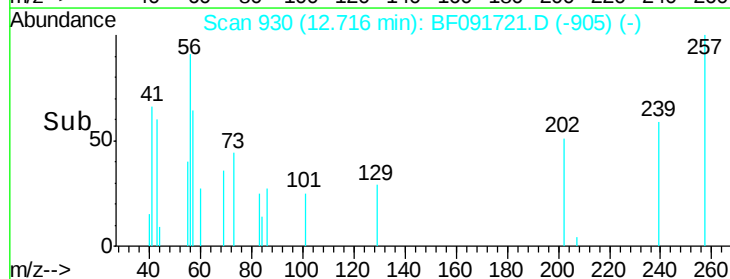
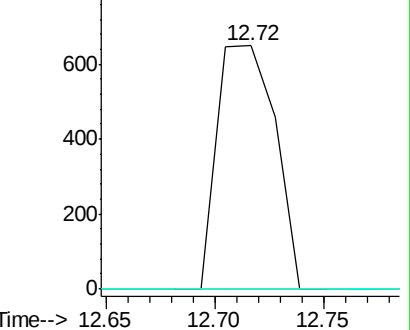
203 0.0 14.7 22.1#

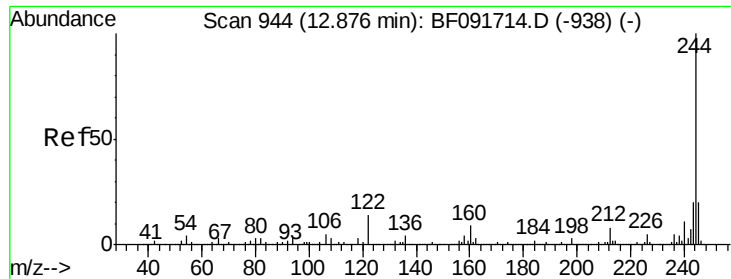


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

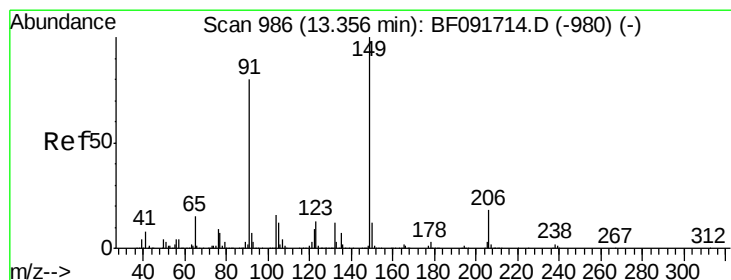
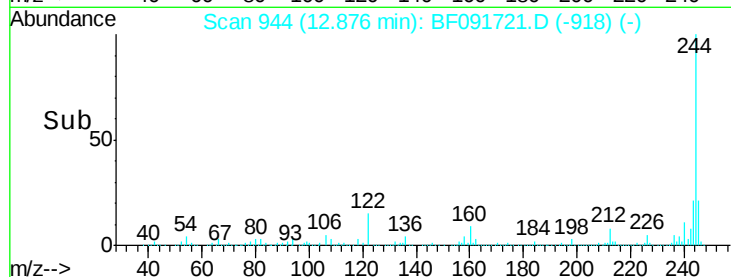
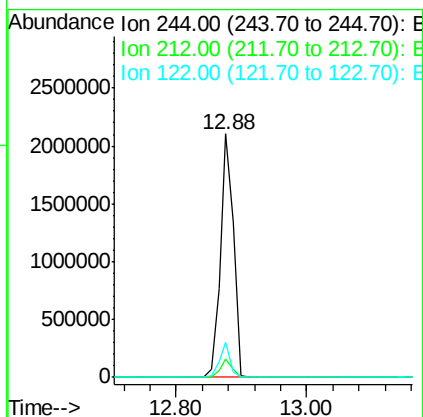
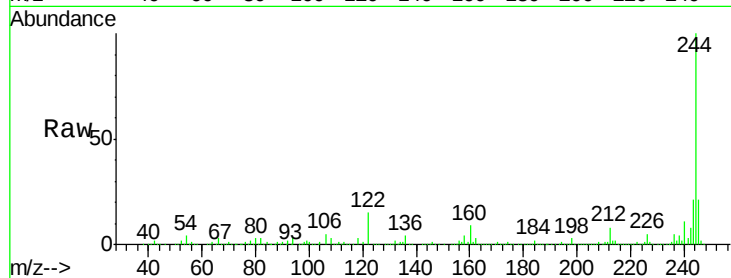




#78
 Terphenyl-d14
 Concen: 74.82 ng
 RT: 12.88 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

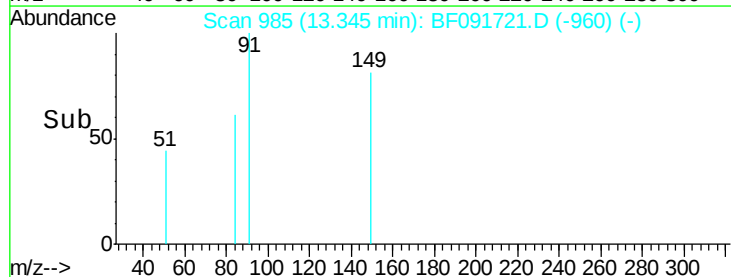
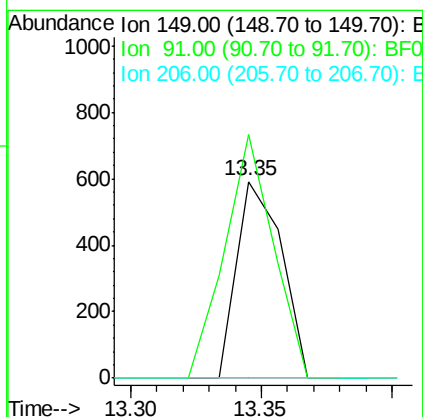
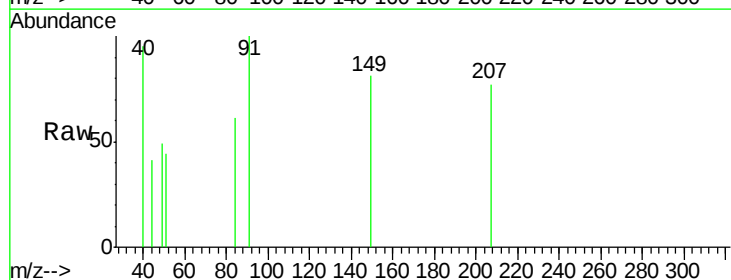
Instrument :
 BNA_F
 ClientSampled :
 PB95408BL

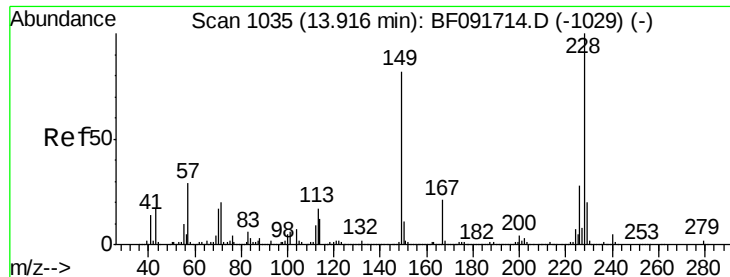
Tgt Ion:244 Resp: 2967648
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 14.6 11.4 17.2



#79
 Butylbenzylphthalate
 Concen: 0.02 ng
 RT: 13.35 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BF091721.D
 Acq: 18 Dec 2016 00:16

Tgt Ion:149 Resp: 712
 Ion Ratio Lower Upper
 149 100
 91 124.0 63.9 95.9#
 206 0.0 14.6 21.8#





#80

Benzo(a)anthracene

Concen: 0.16 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

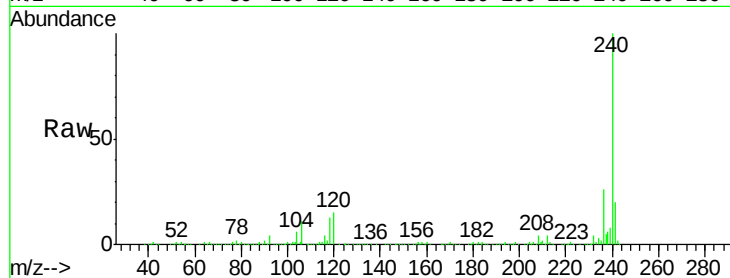
Tgt Ion:228 Resp: 9280

Ion Ratio Lower Upper

228 100

226 12.1 22.4 33.6#

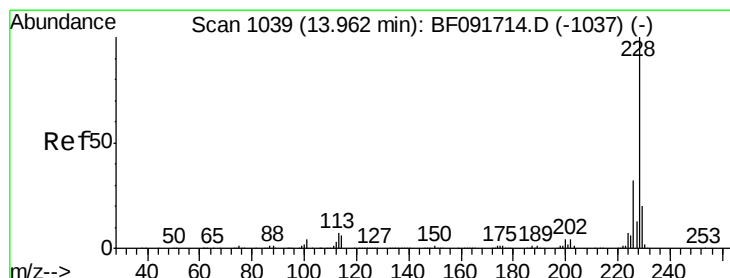
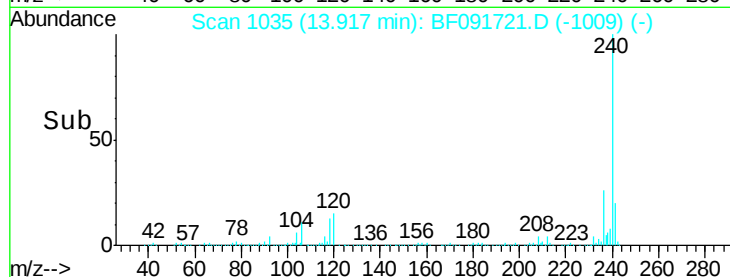
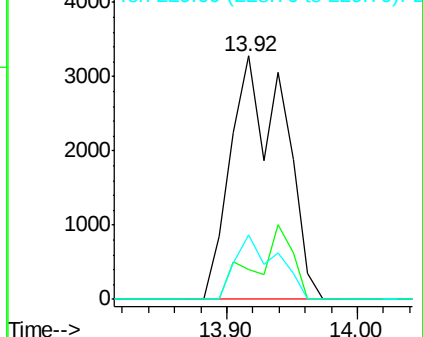
229 26.4 16.2 24.4#



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



#82

Chrysene

Concen: 0.16 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

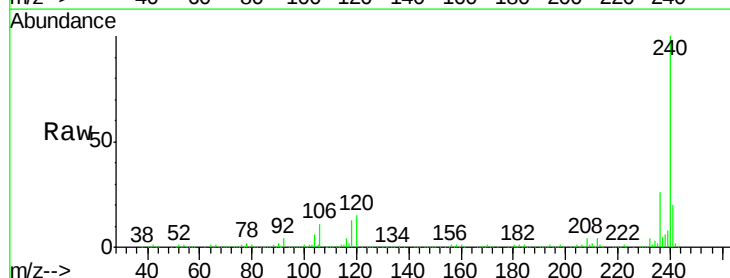
Tgt Ion:228 Resp: 9280

Ion Ratio Lower Upper

228 100

226 12.1 25.4 38.0#

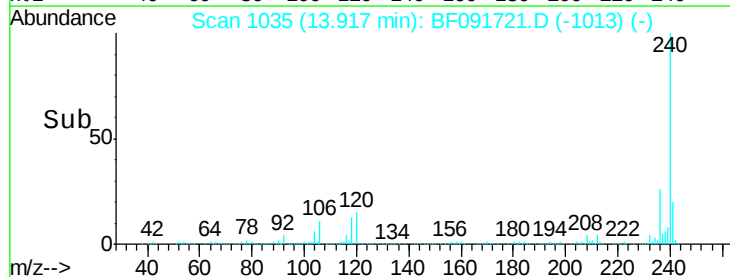
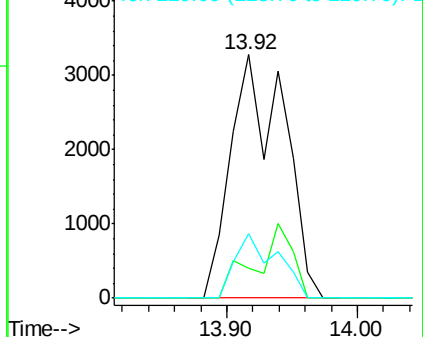
229 26.4 16.2 24.2#

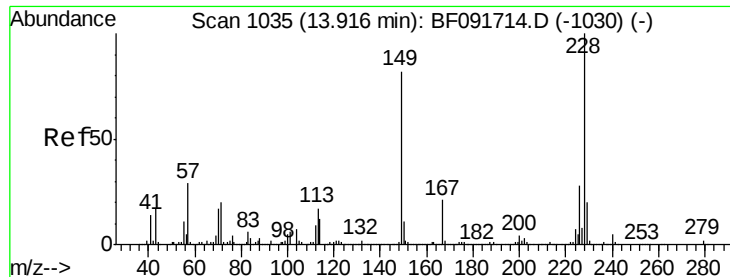


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

Instrument :

BNA_F

ClientSampleId :

PB95408BL

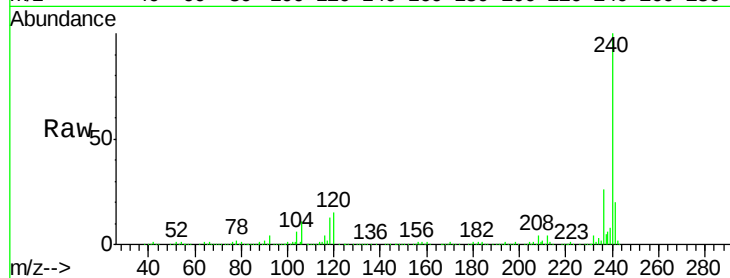
Tgt Ion:149 Resp: 4439

Ion Ratio Lower Upper

149 100

167 38.7 20.2 30.4#

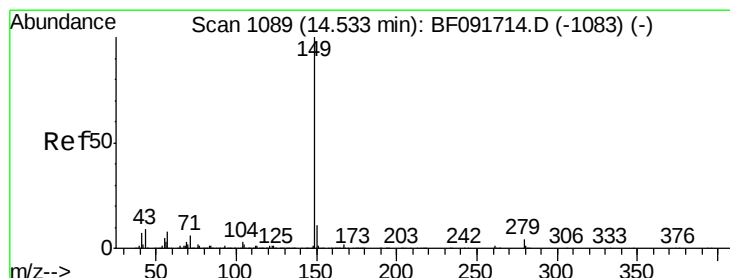
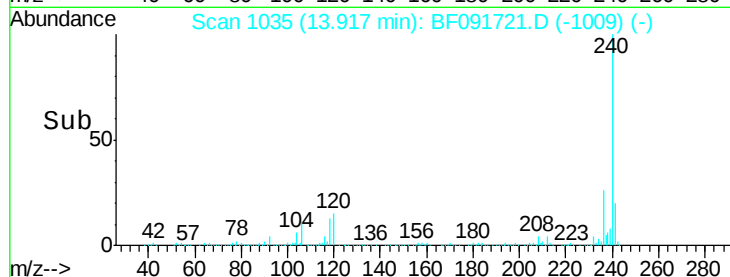
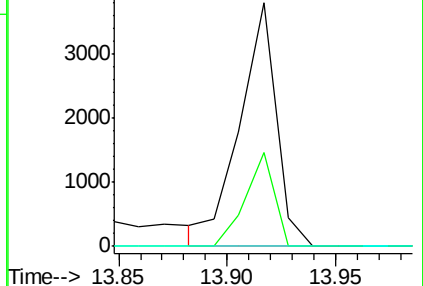
279 0.0 1.8 2.8#



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: 0.04 ng

RT: 14.52 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BF091721.D

Acq: 18 Dec 2016 00:16

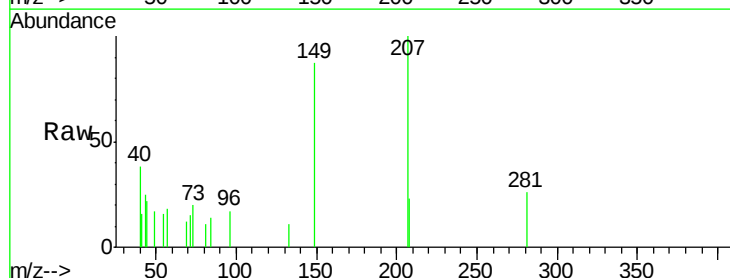
Tgt Ion:149 Resp: 3024

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

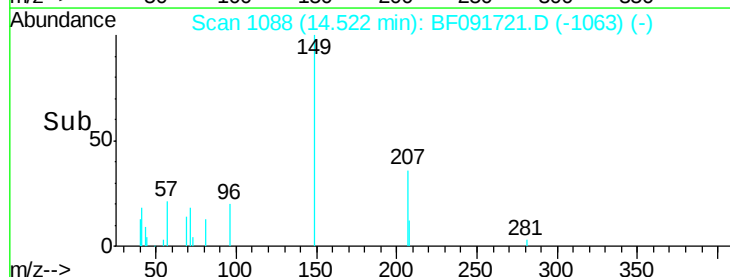
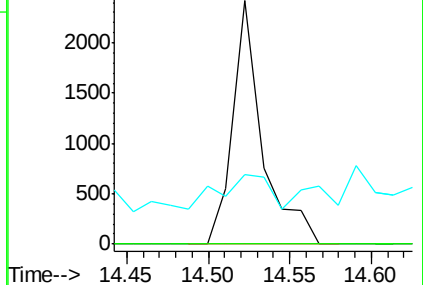
43 23.6 8.9 13.3#

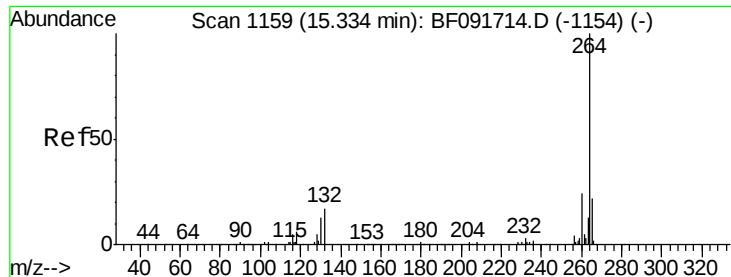


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



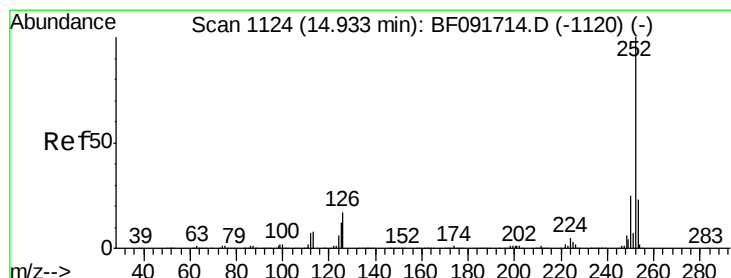
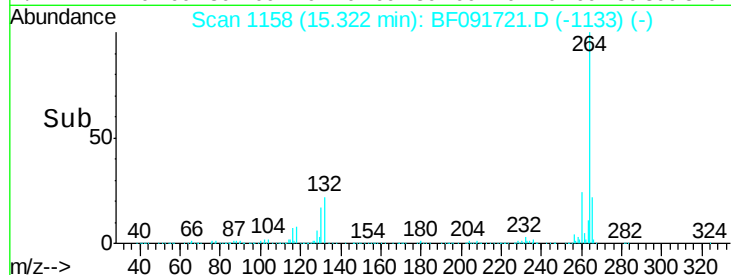
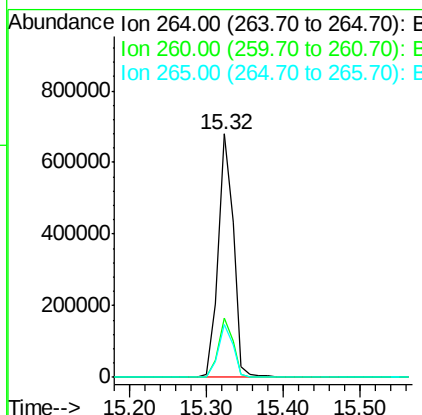
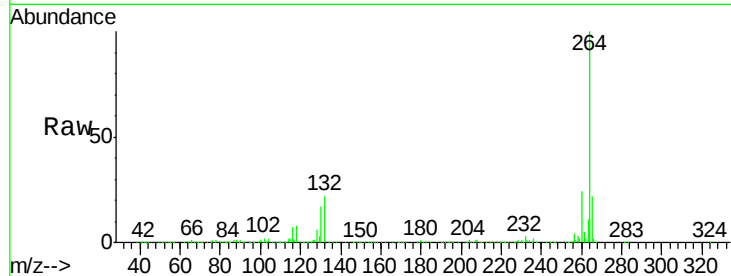


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Instrument :
BNA_F
ClientSampleId :
PB95408BL

Tgt Ion: 264 Resp: 954043

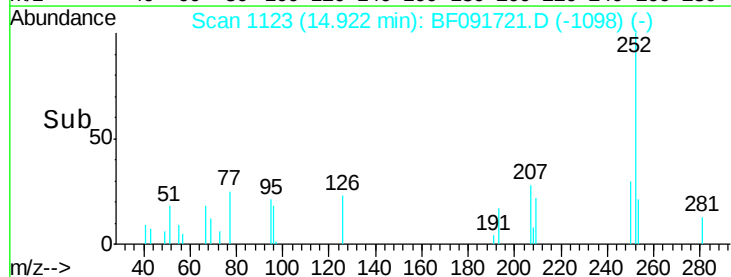
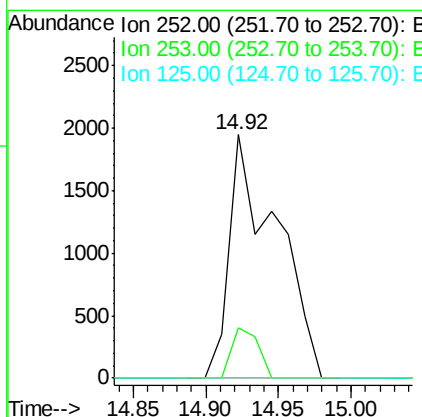
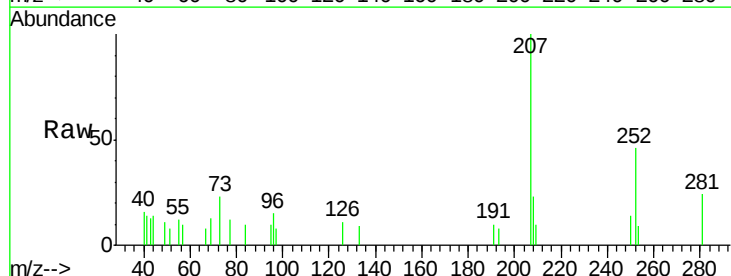
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.4	26.0

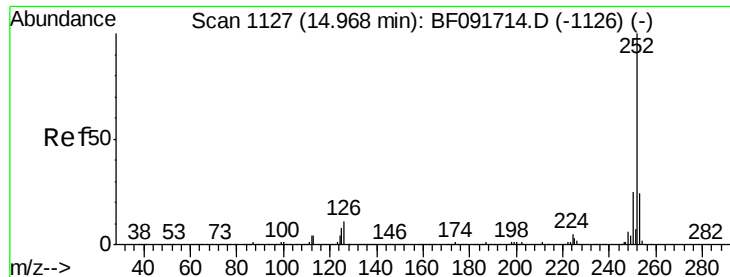


#87
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Tgt Ion: 252 Resp: 4407

Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.2	27.4
125	0.0	9.8	14.6#

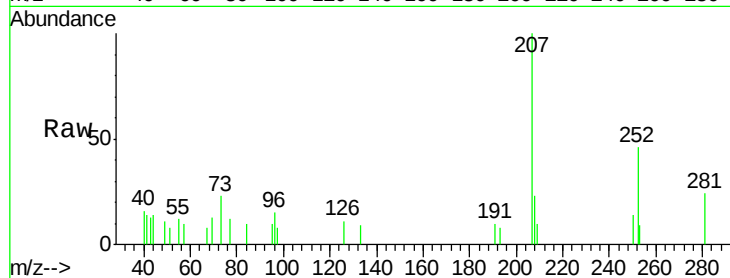




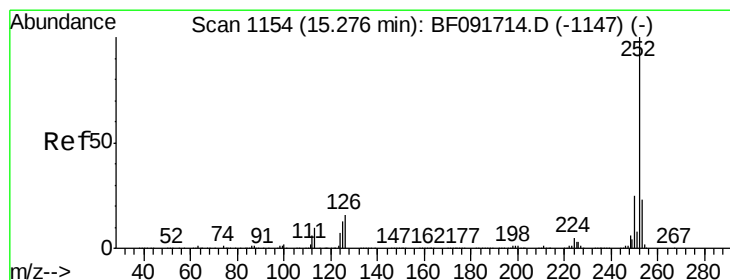
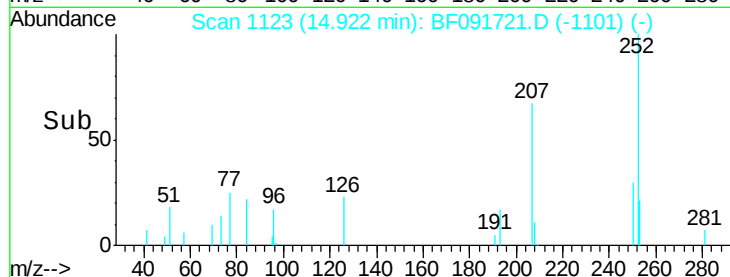
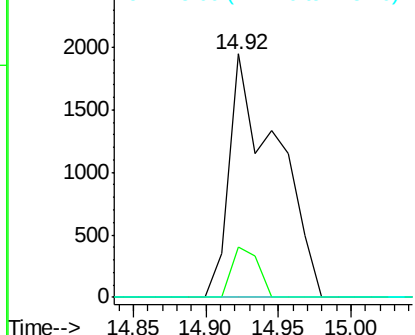
#88
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 14.92 min Scan# 1123
Delta R.T. -0.04 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Instrument :
BNA_F
ClientSampleId :
PB95408BL

Tgt Ion:252 Resp: 4407
Ion Ratio Lower Upper
252 100
253 20.8 18.5 27.7
125 0.0 8.9 13.3#

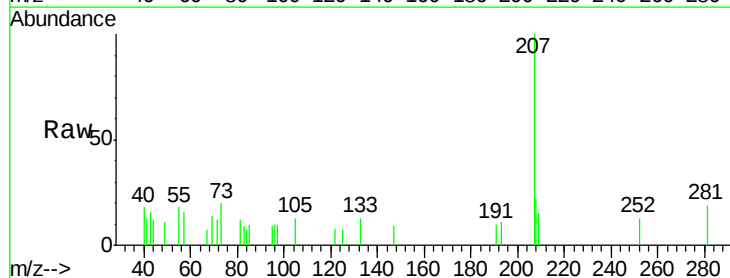


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF091721.D
Acq: 18 Dec 2016 00:16

Tgt Ion:252 Resp: 636
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 58.7 10.0 15.0#



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

