

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089673.D
 Acq On : 8 Aug 2016 21:49
 Operator : UM/SJ
 Sample : H4288-12RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Quant Time: Aug 09 02:32:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	47665	20.00	ng	-0.03
21) Naphthalene-d8	9.45	136	202087	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	95468	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	179292	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	106566	20.00	ng	-0.02
86) Perylene-d12	20.02	264	107444	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	316928	111.44	ng	0.00
7) Phenol-d6	6.96	99	424623	110.07	ng	-0.02
23) Nitrobenzene-d5	8.33	82	266551	72.96	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	79878	101.39	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	479175	65.23	ng	-0.02
78) Terphenyl-d14	17.03	244	330336	61.19	ng	-0.02

Target Compounds						Qvalue
6) Aniline	7.07	93	259	0.05	ng	# 1
9) Benzaldehyde	6.96	77	217	0.16	ng	# 1
10) Phenol	6.98	94	3860	0.97	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	259	0.08	ng	# 1
15) Benzyl Alcohol	7.66	79	4203	1.66	ng	# 42
19) n-Nitroso-di-n-propylamine	8.33	70	31641	11.35	ng	# 80
24) Nitrobenzene	8.33	77	300	0.09	ng	# 42
25) Isophorone	8.76	82	1942	0.28	ng	# 68
31) Naphthalene	9.48	128	6020	0.56	ng	# 94
33) 4-Chloroaniline	9.50	127	462	0.11	ng	# 31
37) 2-Methylnaphthalene	10.62	142	2173	0.33	ng	# 93
45) 1,1'-Biphenyl	11.39	154	235	0.03	ng	# 43
48) Acenaphthylene	12.04	152	6575	0.62	ng	# 99
49) Dimethylphthalate	11.92	163	84499	11.29	ng	# 100
50) 2,6-Dinitrotoluene	11.92	165	765	0.51	ng	# 3
51) Acenaphthene	12.32	154	6463	1.05	ng	# 98
54) Dibenzofuran	12.62	168	4965	0.59	ng	# 99
55) 4-Nitrophenol	12.62	139	1557	7.82	ng	# 21
57) Fluorene	13.17	166	8477	1.17	ng	# 95
62) Azobenzene	13.55	77	313	0.04	ng	# 1
65) n-Nitrosodiphenylamine	13.55	169	4017	0.66	ng	# 39
70) Phenanthrene	14.70	178	147573	15.14	ng	# 99
71) Anthracene	14.79	178	41859	4.00	ng	# 98
72) Carbazole	15.10	167	13865	1.59	ng	# 95
73) Di-n-butylphthalate	15.67	149	47415	4.02	ng	# 98
74) Fluoranthene	16.47	202	247210	24.67	ng	# 99
77) Pyrene	16.77	202	221475	23.51	ng	# 94
79) Butylbenzylphthalate	17.69	149	1330	0.33	ng	# 39
80) Benzo(a)anthracene	18.35	228	98813	16.14	ng	# 99
81) 3,3'-Dichlorobenzidine	18.43	252	664	0.34	ng	# 1
82) Chrysene	18.40	228	81526	12.69	ng	# 98
83) Bis(2-ethylhexyl)phthalate	18.45	149	10187	1.84	ng	# 96
84) Di-n-octyl phthalate	19.22	149	155	0.02	ng	# 79
85) Indeno(1,2,3-cd)pyrene	21.20	276	61517	12.61	ng	# 96

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QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration

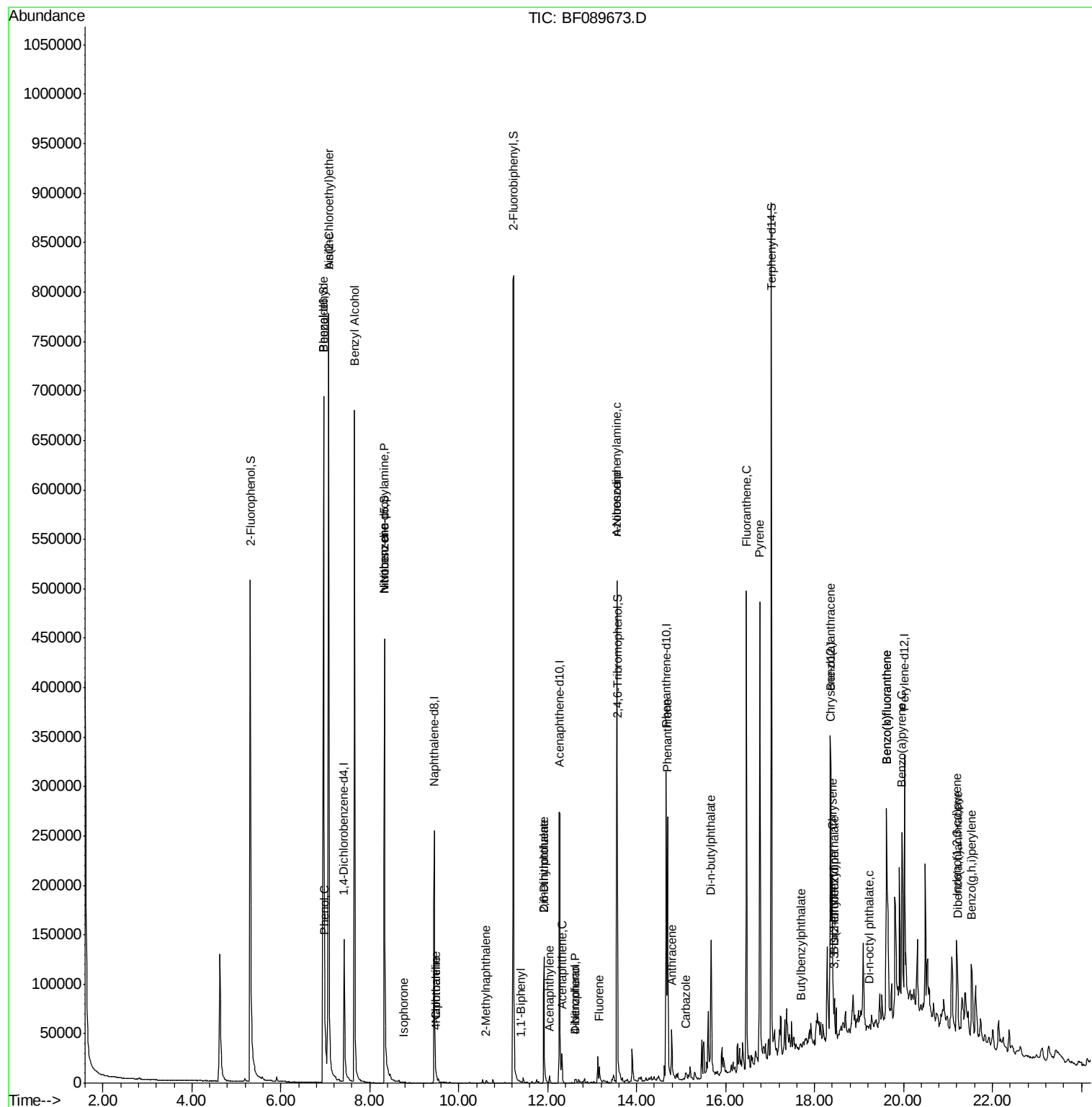
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	19.62	252	159557	24.15	ng	# 96
88) Benzo(k)fluoranthene	19.62	252	159557	23.93	ng	99
89) Benzo(a)pyrene	19.97	252	90125	14.57	ng	# 94
90) Dibenzo(a,h)anthracene	21.21	278	15110	2.61	ng	# 84
91) Benzo(g,h,i)perylene	21.53	276	58232	9.84	ng	98

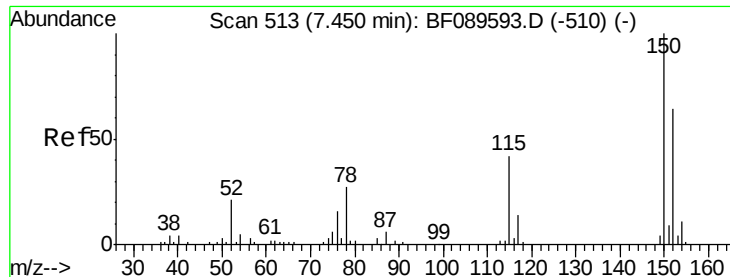
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

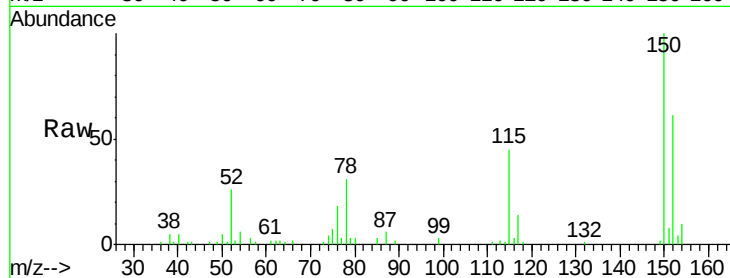
Tgt Ion:152 Resp: 47665

Ion Ratio Lower Upper

152 100

150 164.5 125.5 188.3

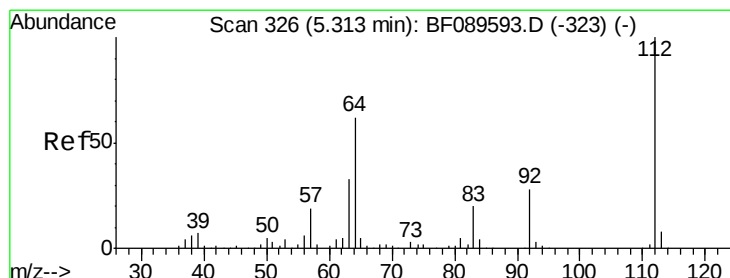
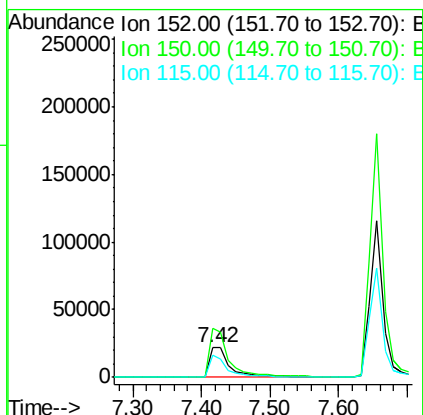
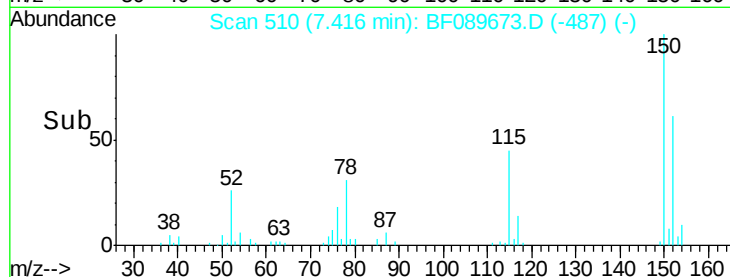
115 73.9 52.0 78.0



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



#5

2-Fluorophenol

Concen: 111.44 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

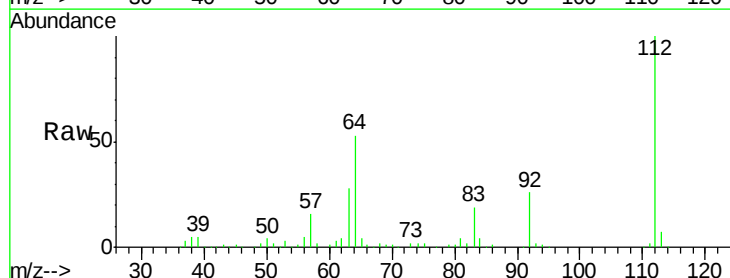
Tgt Ion:112 Resp: 316928

Ion Ratio Lower Upper

112 100

64 53.5 49.9 74.9

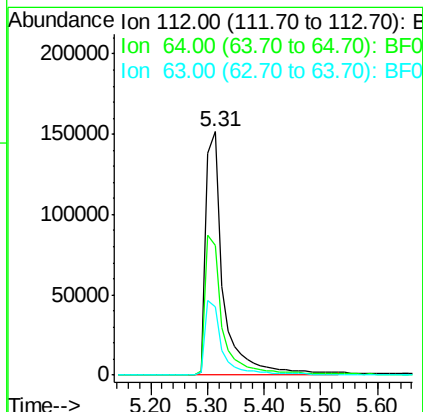
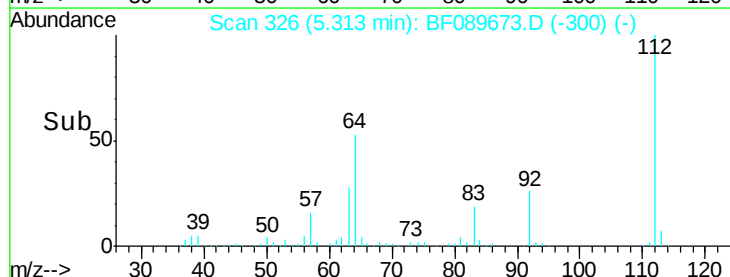
63 28.2 26.1 39.1

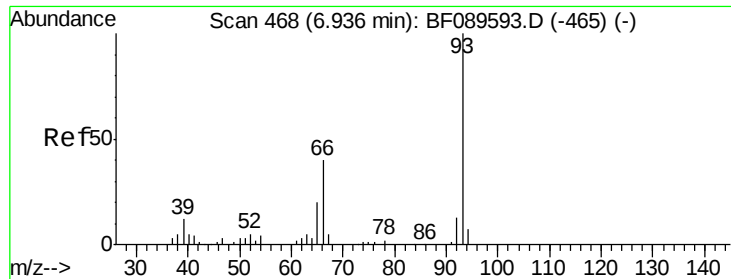


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.05 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

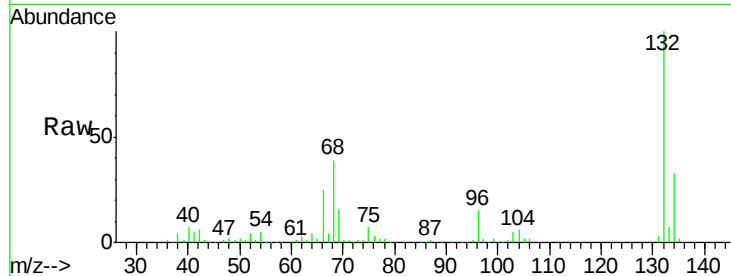
Tgt Ion: 93 Resp: 259

Ion Ratio Lower Upper

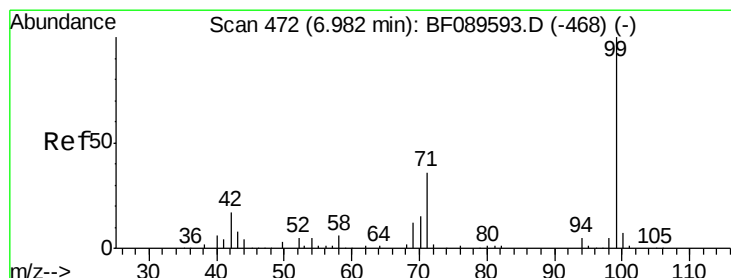
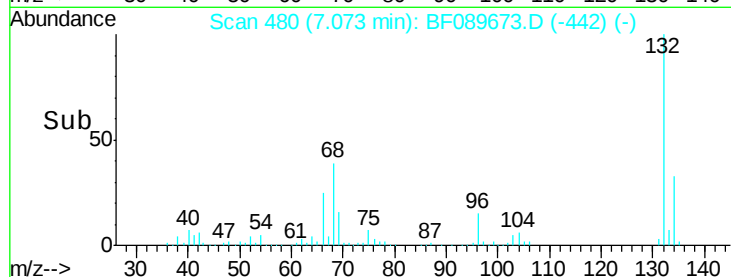
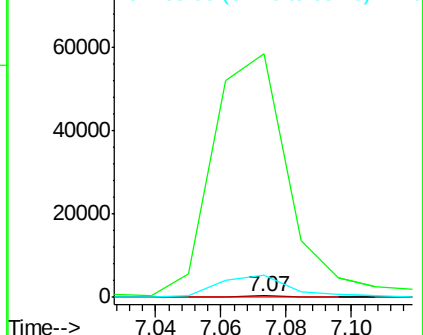
93 100

66 15492.8 32.2 48.2#

65 1402.9 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 110.07 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

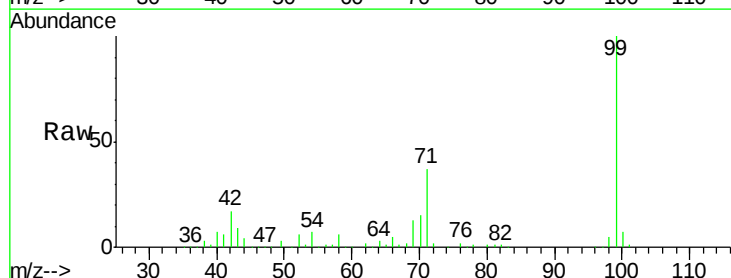
Tgt Ion: 99 Resp: 424623

Ion Ratio Lower Upper

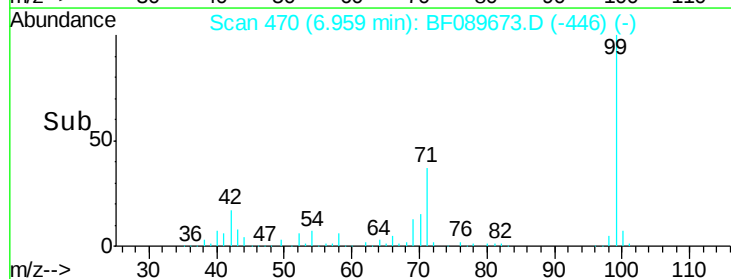
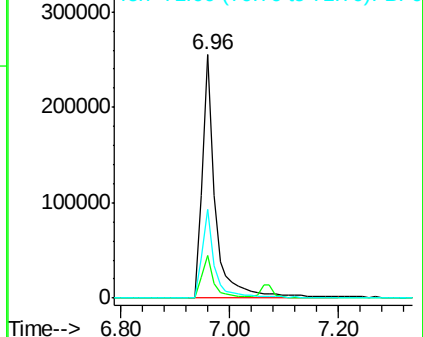
99 100

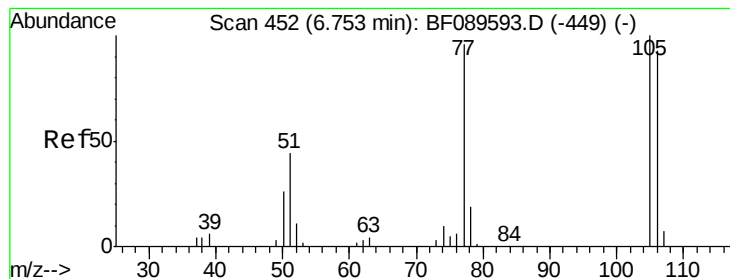
42 17.4 13.7 20.5

71 36.6 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.16 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

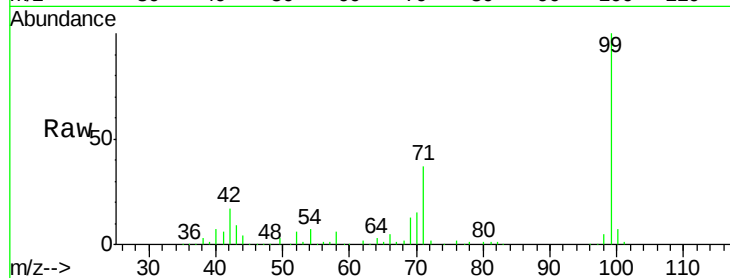
Tgt Ion: 77 Resp: 217

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

106 0.0 77.1 117.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

6.96

300

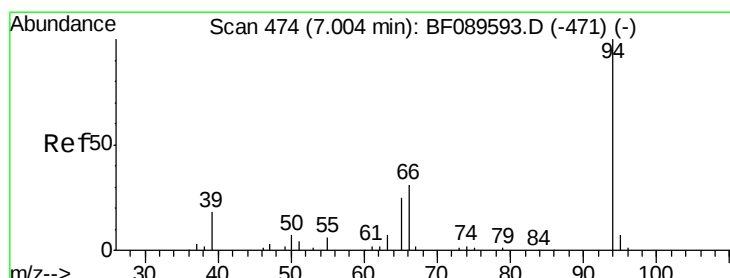
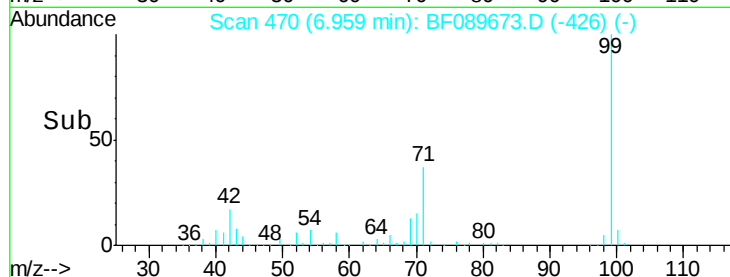
200

100

0

6.92 6.94 6.96 6.98

Time-->



#10

Phenol

Concen: 0.97 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

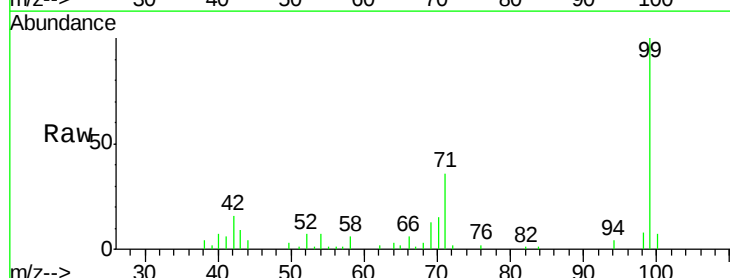
Tgt Ion: 94 Resp: 3860

Ion Ratio Lower Upper

94 100

65 53.1 11.0 51.0#

66 171.5 27.4 67.4#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

80000

60000

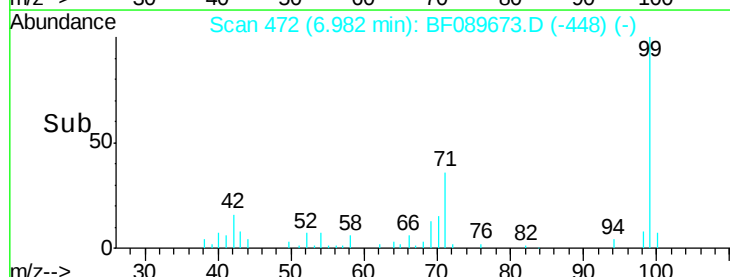
40000

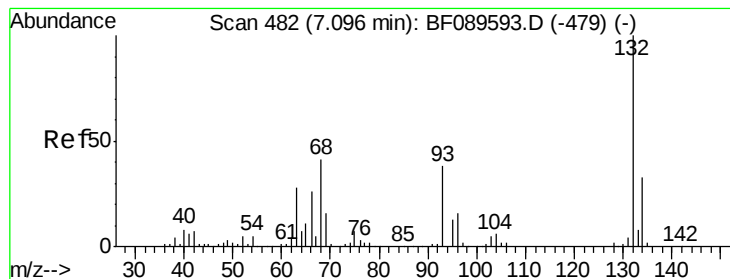
20000

0

6.90 6.95 7.00 7.05

Time-->

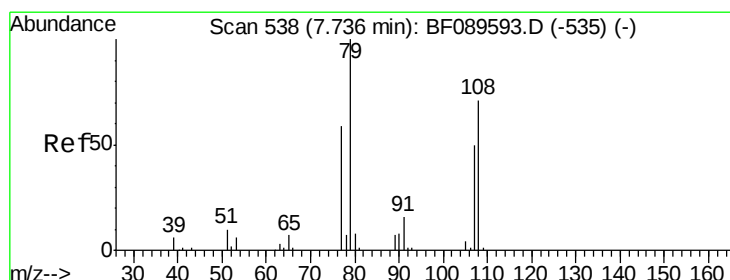
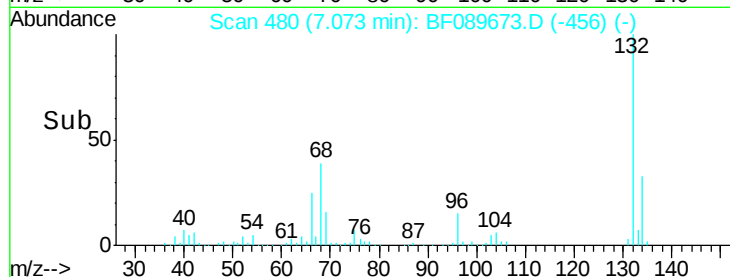
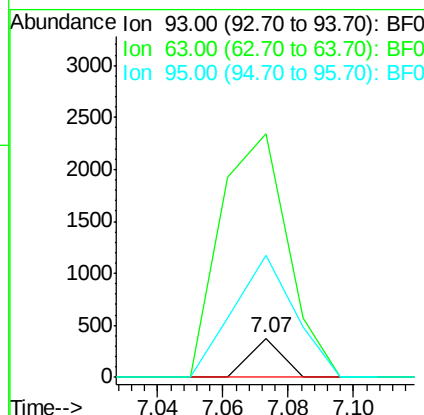
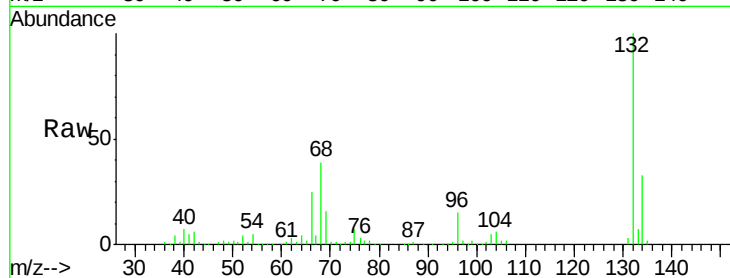




#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

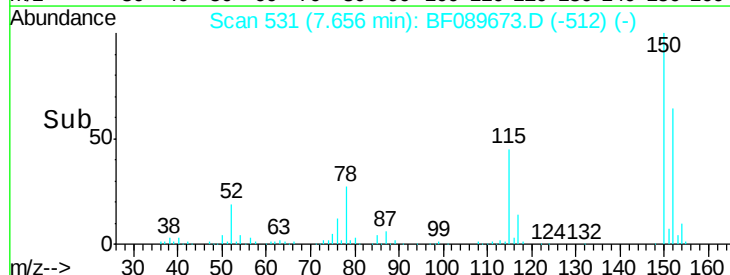
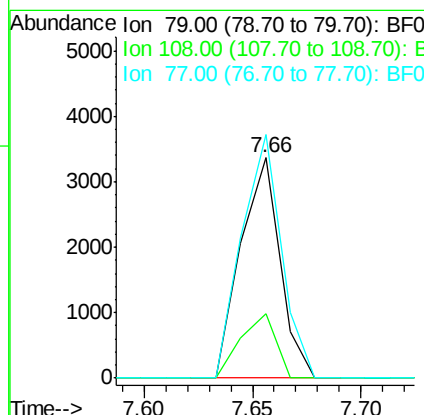
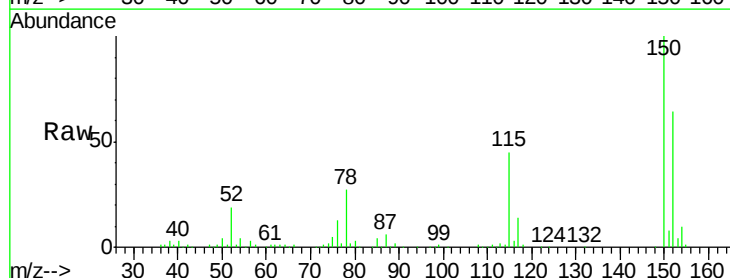
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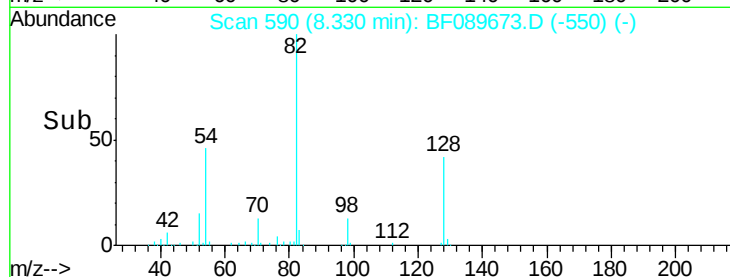
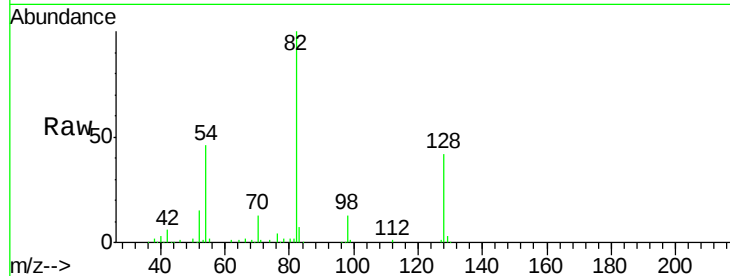
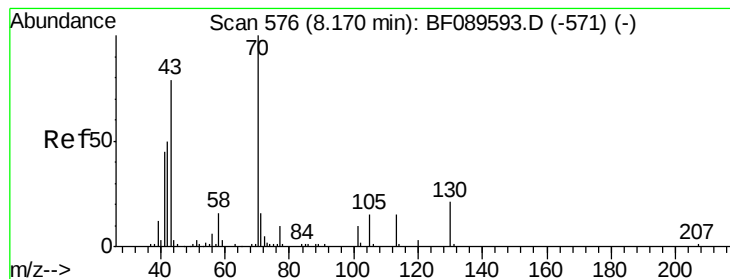
Tgt Ion: 93 Resp: 259
Ion Ratio Lower Upper
93 100
63 621.2 52.2 92.2#
95 310.9 13.1 53.1#



#15
Benzyl Alcohol
Concen: 1.66 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion: 79 Resp: 4203
Ion Ratio Lower Upper
79 100
108 29.4 58.3 87.5#
77 110.6 48.7 73.1#





#19

n-Nitroso-di-n-propylamine

Concen: 11.35 ng

RT: 8.33 min Scan# 590

Delta R.T. 0.16 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

Tgt Ion: 70 Resp: 31641

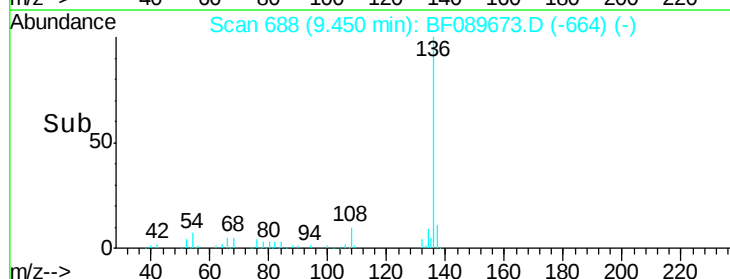
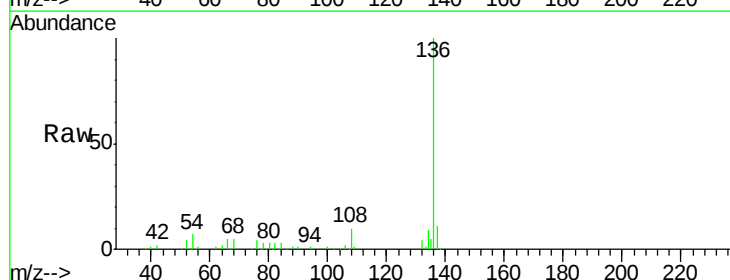
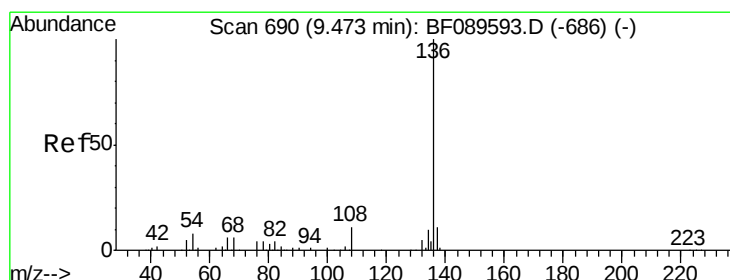
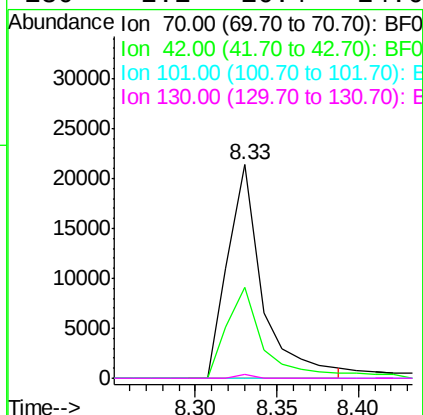
Ion Ratio Lower Upper

70 100

42 42.6 40.2 60.2

101 0.0 7.8 11.6#

130 2.1 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Tgt Ion: 136 Resp: 202087

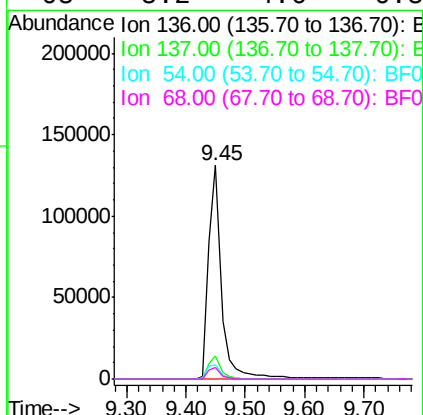
Ion Ratio Lower Upper

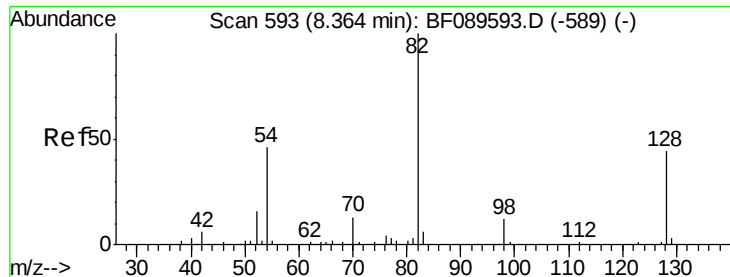
136 100

137 10.7 8.6 12.8

54 6.7 6.0 9.0

68 5.2 4.6 6.8

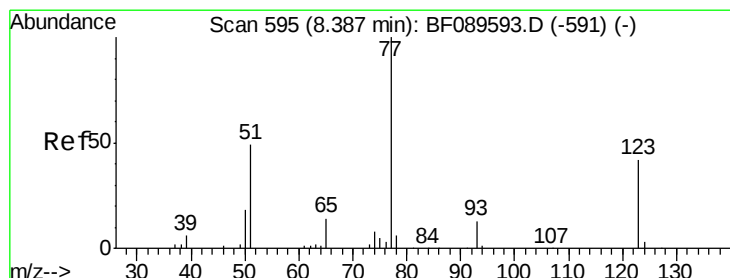
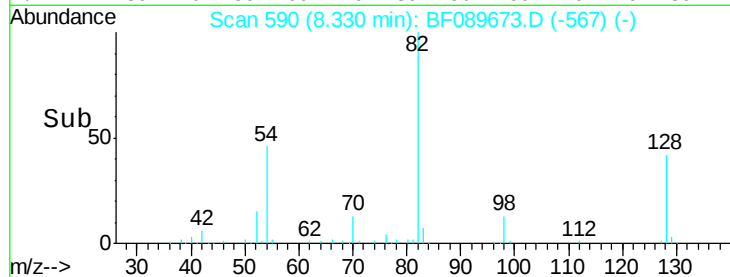
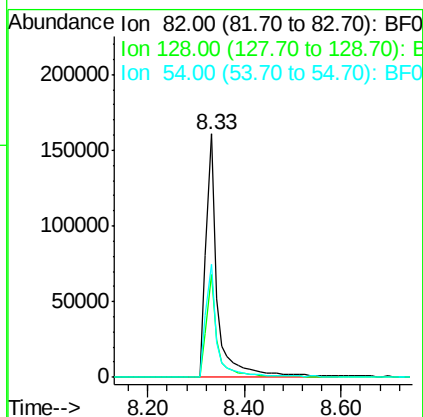
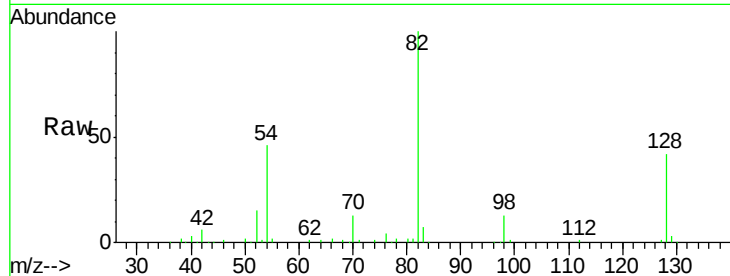




#23
 Nitrobenzene-d5
 Concen: 72.96 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

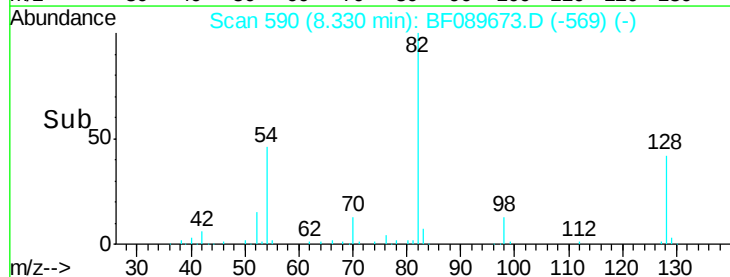
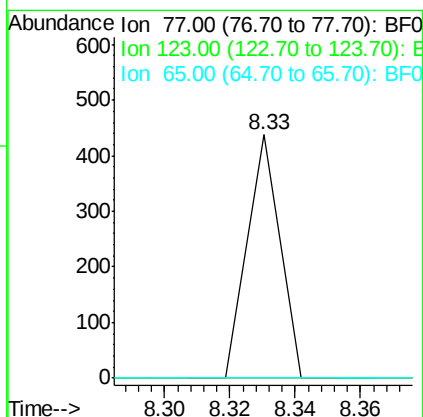
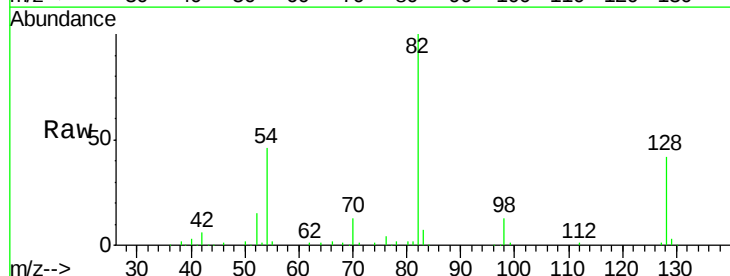
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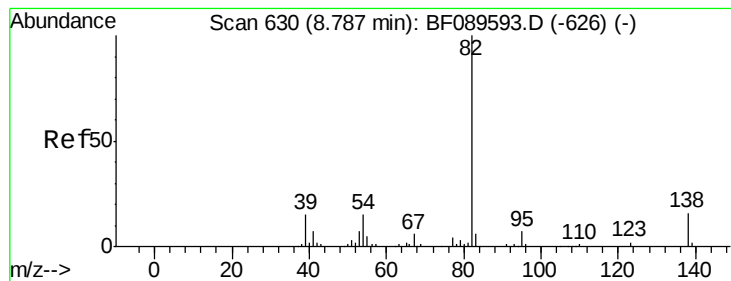
Tgt Ion: 82 Resp: 266551
 Ion Ratio Lower Upper
 82 100
 128 42.3 35.4 53.0
 54 46.5 36.4 54.6



#24
 Nitrobenzene
 Concen: 0.09 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion: 77 Resp: 300
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#





#25

Isophorone

Concen: 0.28 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

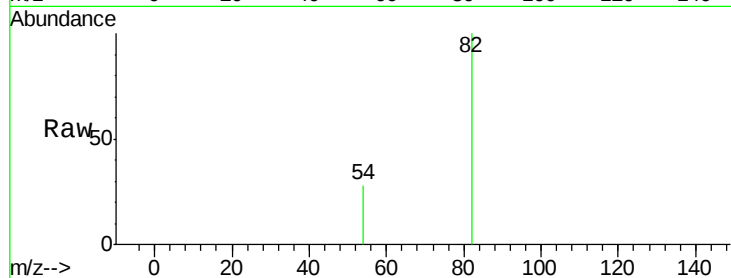
Tgt Ion: 82 Resp: 1942

Ion Ratio Lower Upper

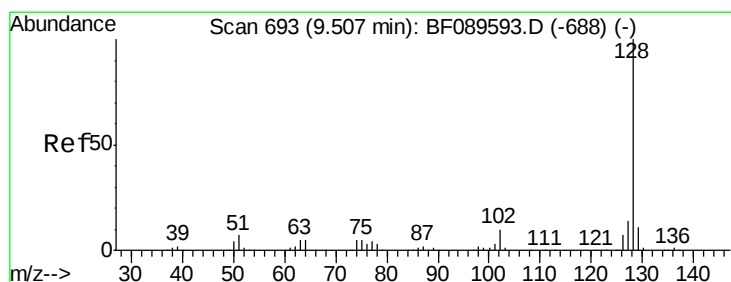
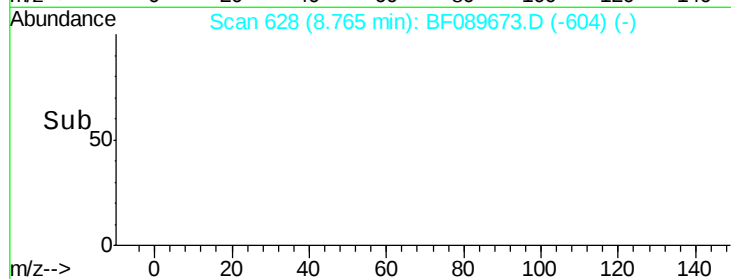
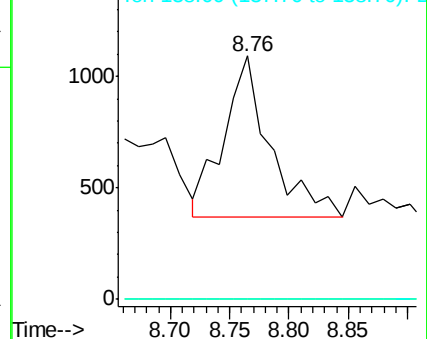
82 100

95 0.0 5.8 8.8#

138 0.0 12.6 18.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 0.56 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

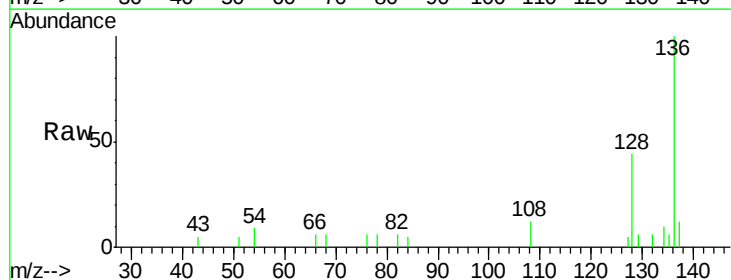
Tgt Ion: 128 Resp: 6020

Ion Ratio Lower Upper

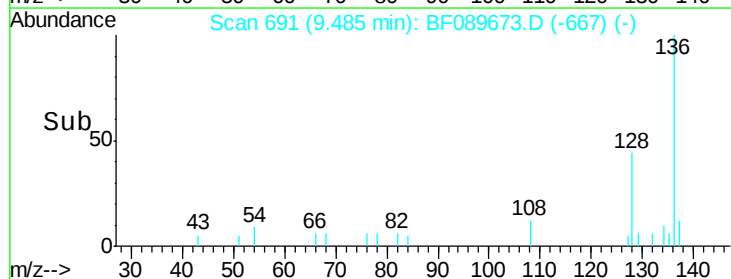
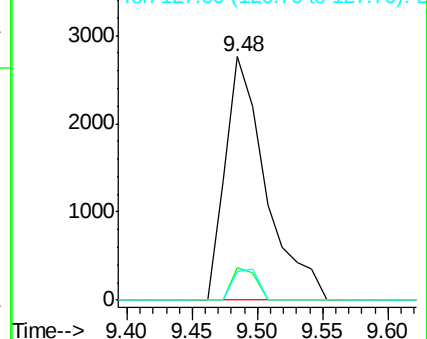
128 100

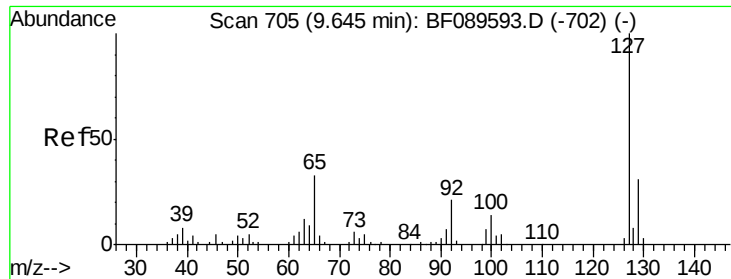
129 13.3 8.7 13.1#

127 11.5 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

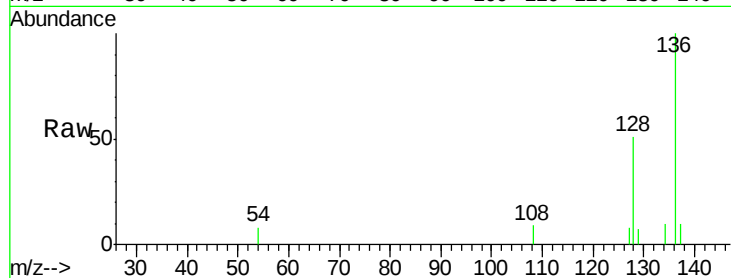




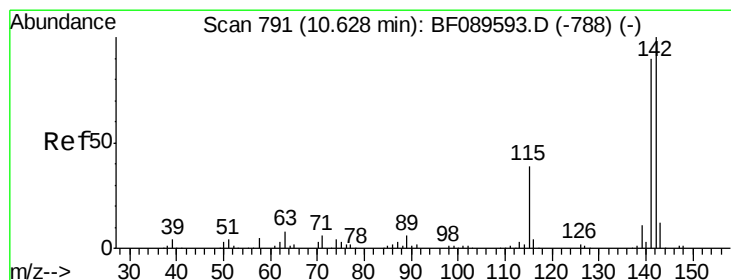
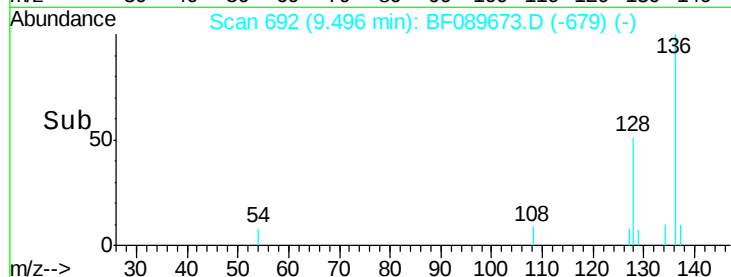
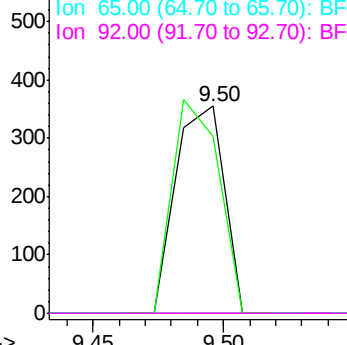
#33
 4-Chloroaniline
 Concen: 0.11 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.15 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion:	127	Resp:	462
Ion	Ratio	Lower	Upper
127	100		
129	85.4	25.1	37.7#
65	0.0	26.2	39.2#
92	0.0	16.9	25.3#

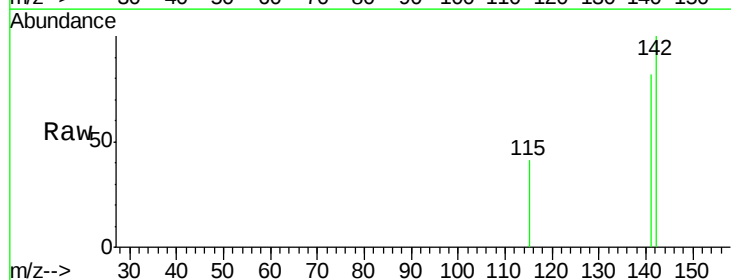


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

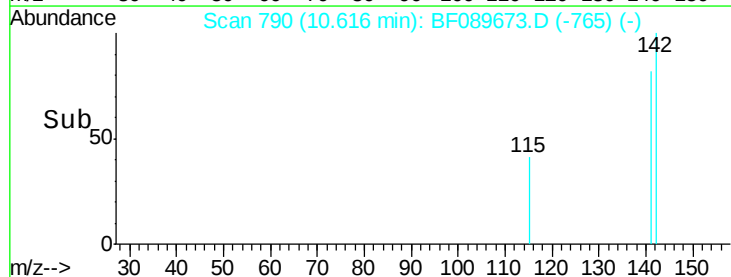
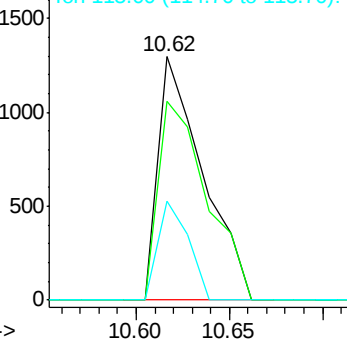


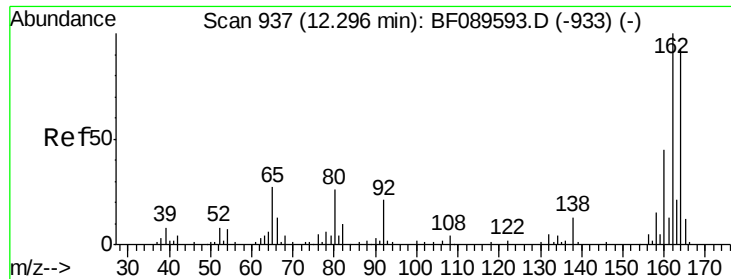
#37
 2-Methylnaphthalene
 Concen: 0.33 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion:	142	Resp:	2173
Ion	Ratio	Lower	Upper
142	100		
141	81.8	71.8	107.6
115	40.7	31.0	46.4



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

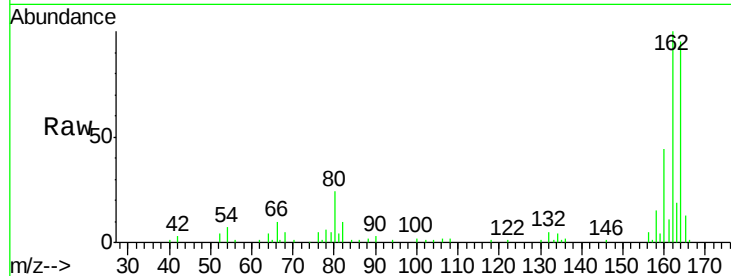




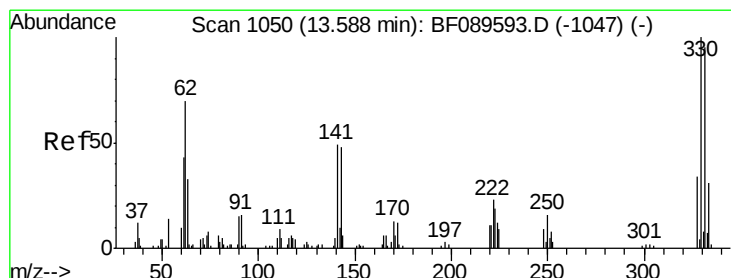
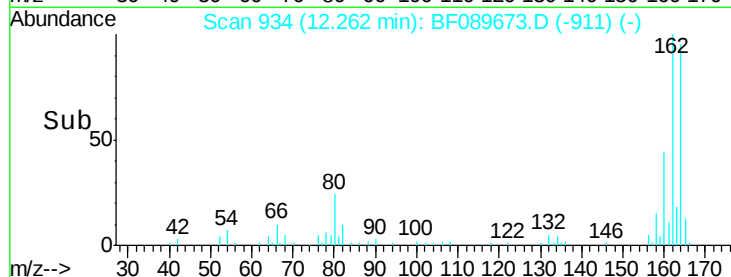
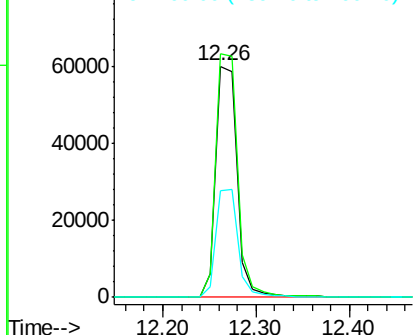
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion:164 Resp: 95468
 Ion Ratio Lower Upper
 164 100
 162 105.4 85.7 128.5
 160 46.4 38.2 57.4

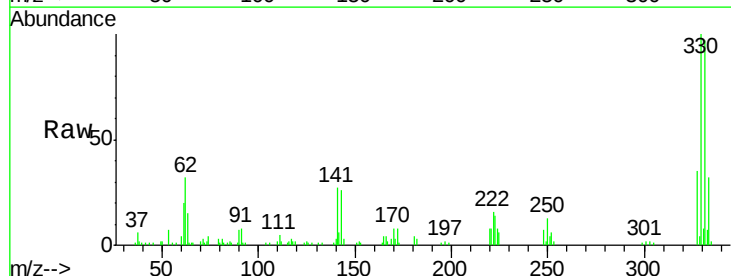


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

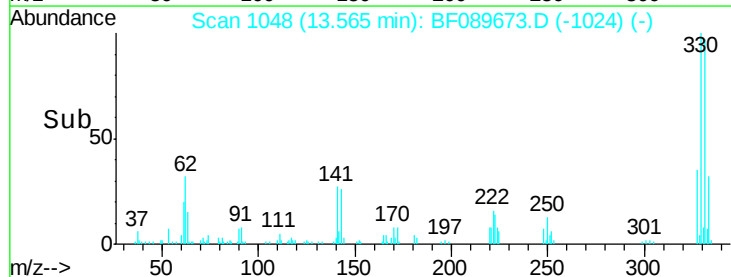
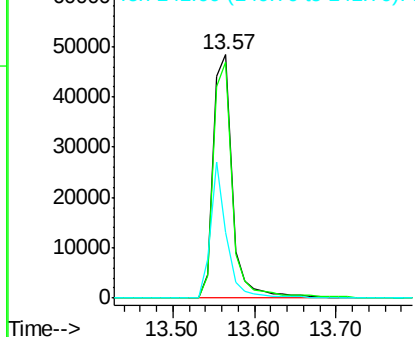


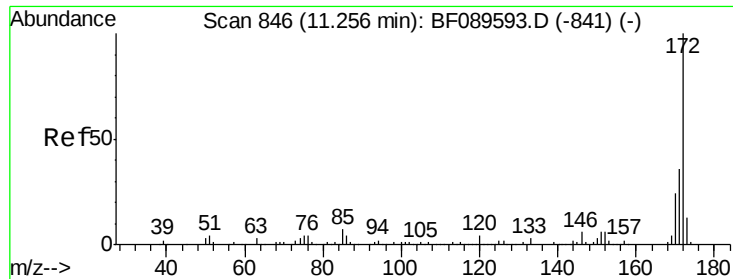
#41
 2,4,6-Tribromophenol
 Concen: 101.39 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion:330 Resp: 79878
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 47.7 38.6 57.8



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

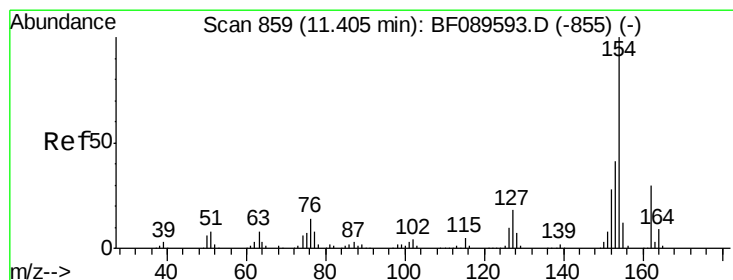
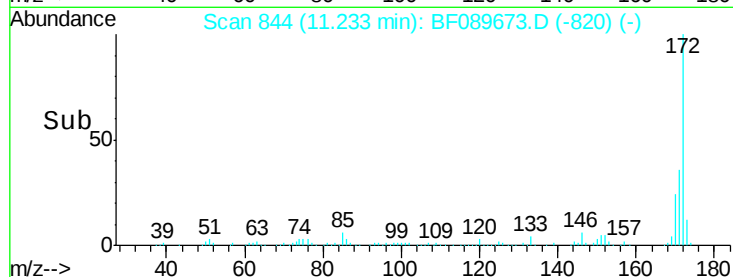
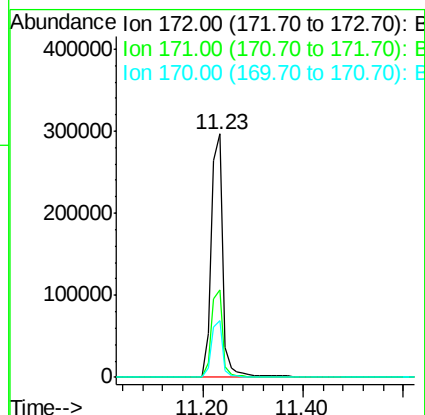
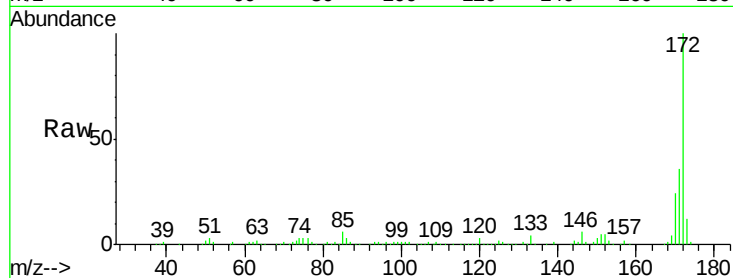




#44
 2-Fluorobiphenyl
 Concen: 65.23 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

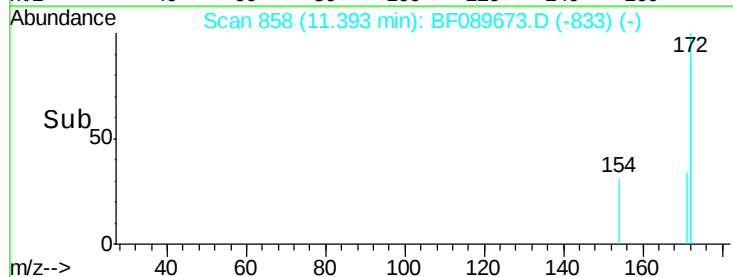
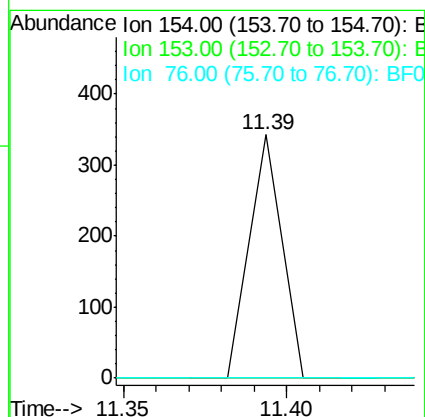
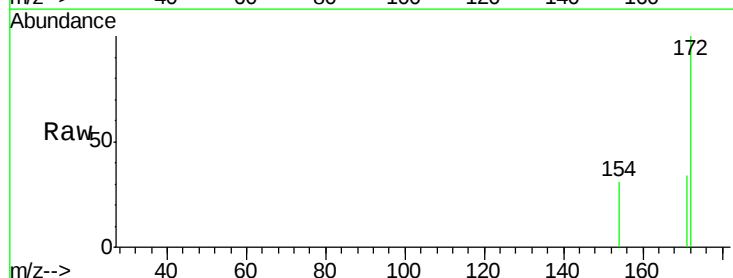
Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

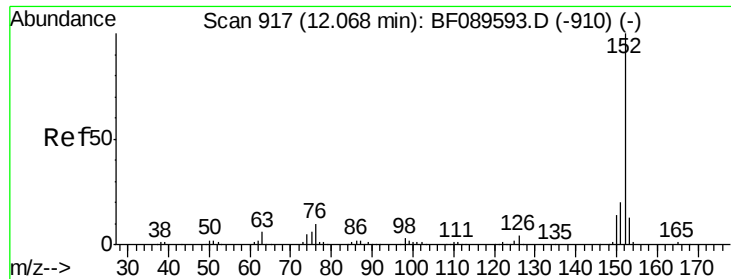
Tgt Ion:172 Resp: 479175
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.9 43.3
 170 23.5 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.03 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion:154 Resp: 235
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 33.7





#48

Acenaphthylene

Concen: 0.62 ng

RT: 12.04 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

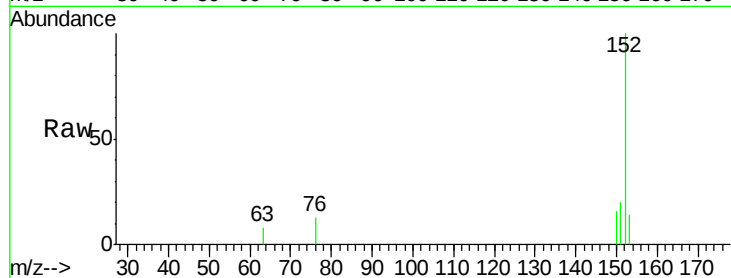
Tgt Ion:152 Resp: 6575

Ion Ratio Lower Upper

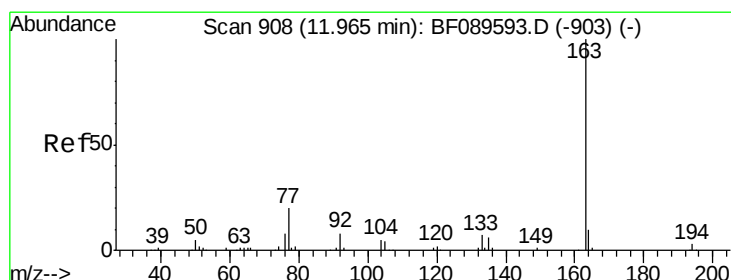
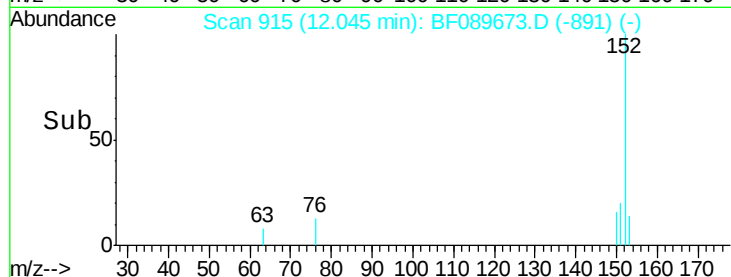
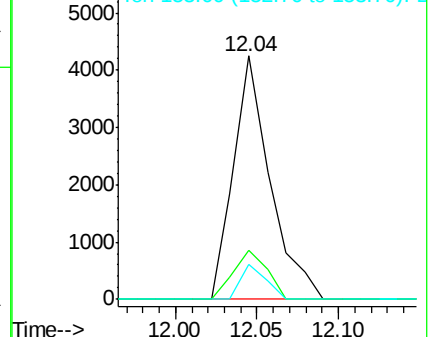
152 100

151 20.4 16.2 24.4

153 14.4 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.29 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

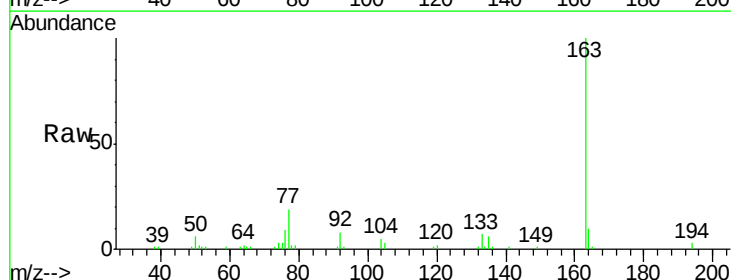
Tgt Ion:163 Resp: 84499

Ion Ratio Lower Upper

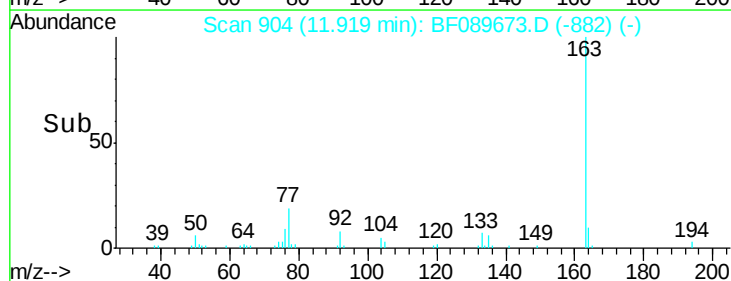
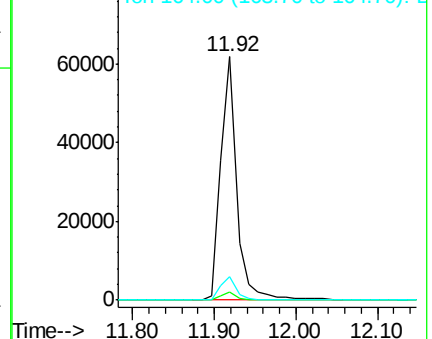
163 100

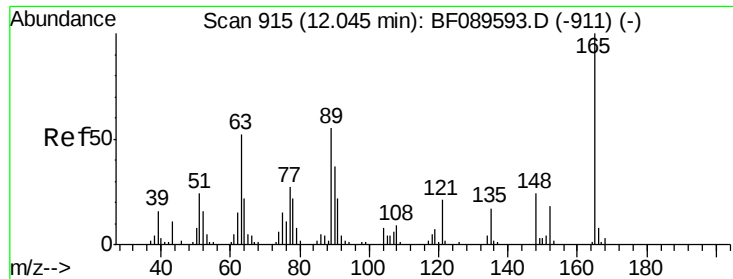
194 3.4 2.7 4.1

164 9.9 7.8 11.6



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

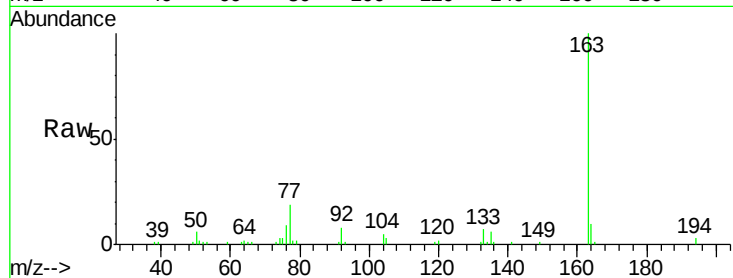




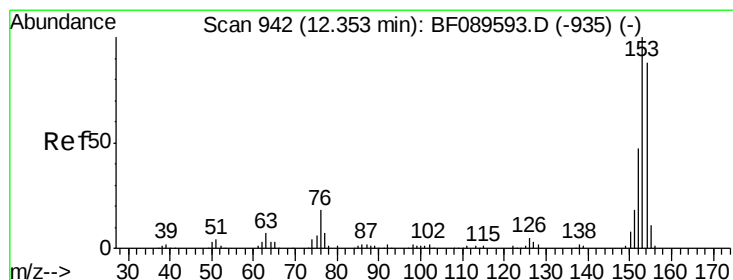
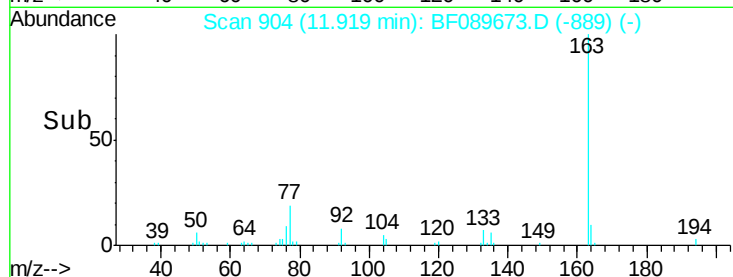
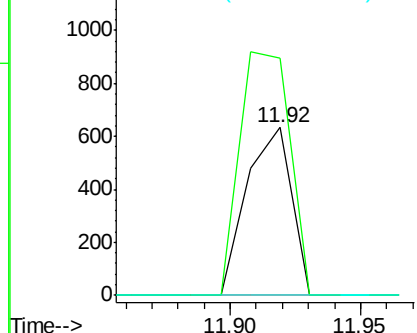
#50
2,6-Dinitrotoluene
Concen: 0.51 ng
RT: 11.92 min Scan# 904
Delta R.T. -0.13 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

Tgt Ion:165 Resp: 765
Ion Ratio Lower Upper
165 100
63 141.4 44.6 67.0#
89 0.0 44.2 66.2#

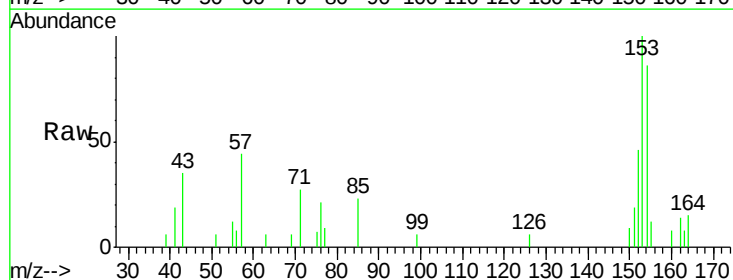


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

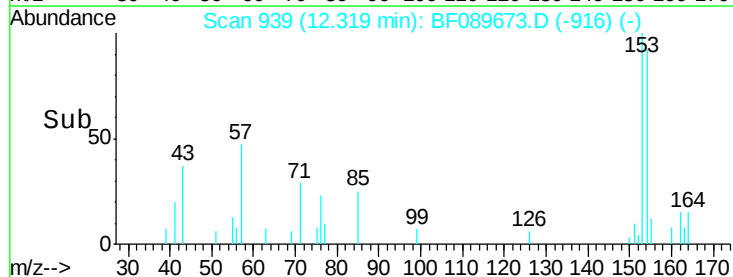
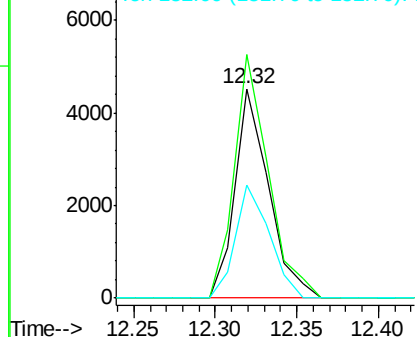


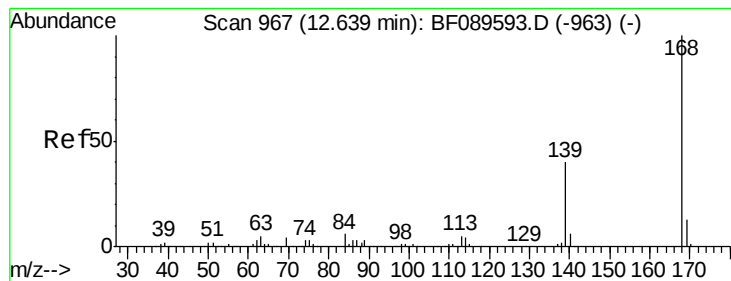
#51
Acenaphthene
Concen: 1.05 ng
RT: 12.32 min Scan# 939
Delta R.T. -0.03 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion:154 Resp: 6463
Ion Ratio Lower Upper
154 100
153 116.1 91.1 136.7
152 53.8 43.5 65.3



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

Dibenzenofuran

Concen: 0.59 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

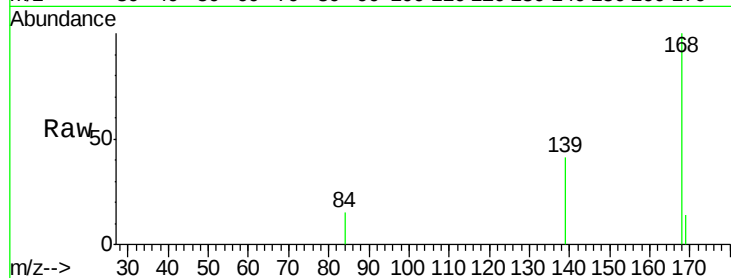
Tgt Ion:168 Resp: 4965

Ion Ratio Lower Upper

168 100

139 41.0 32.3 48.5

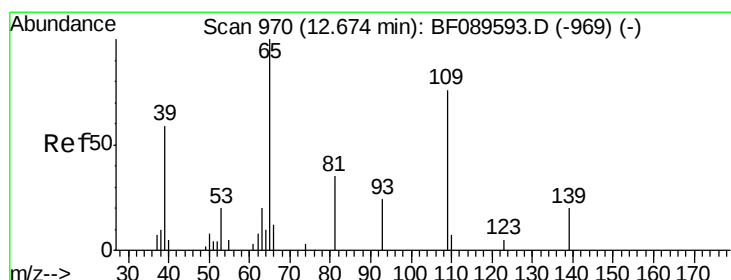
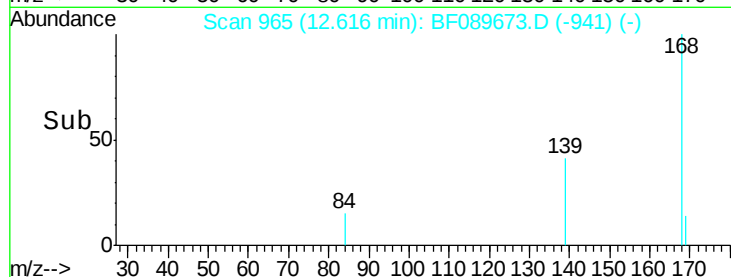
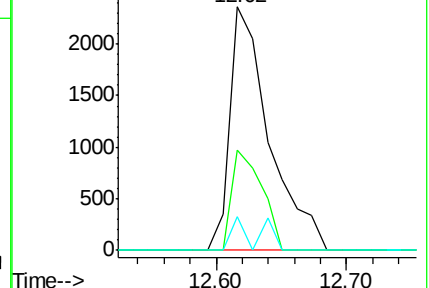
169 14.0 10.6 15.8



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: 7.82 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.06 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

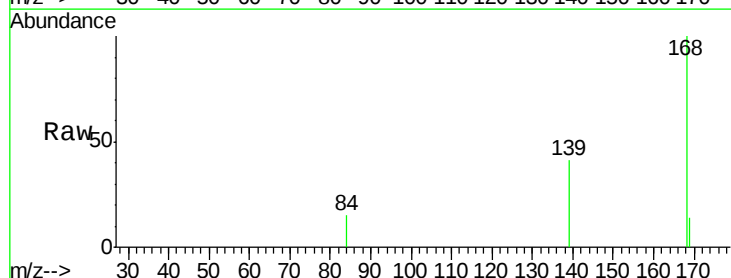
Tgt Ion:139 Resp: 1557

Ion Ratio Lower Upper

139 100

109 0.0 28.9 68.9#

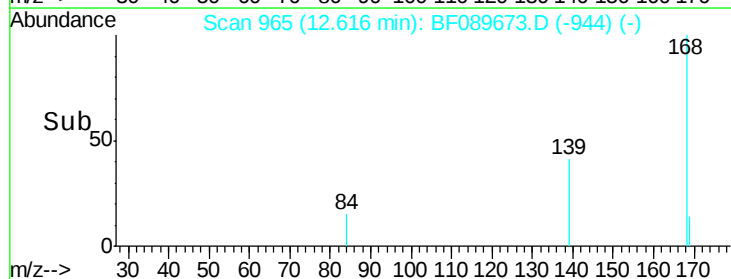
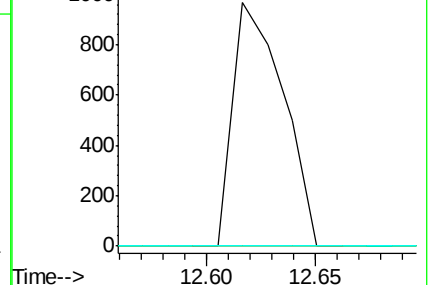
65 0.0 49.2 89.2#

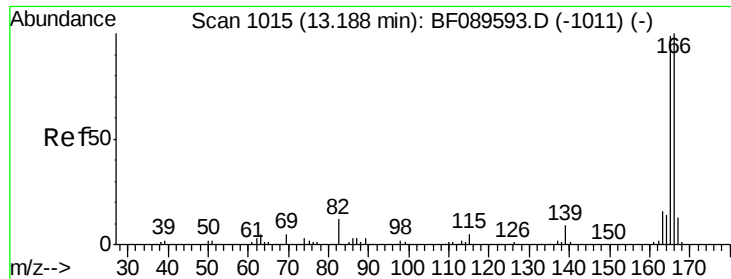


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

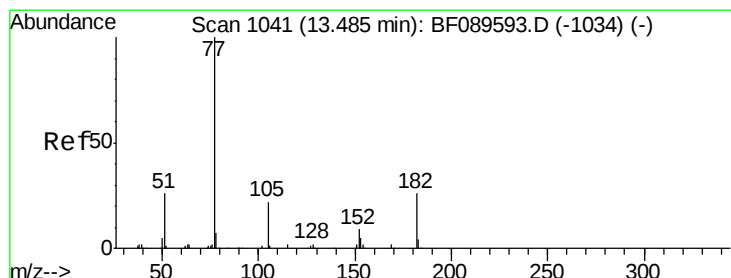
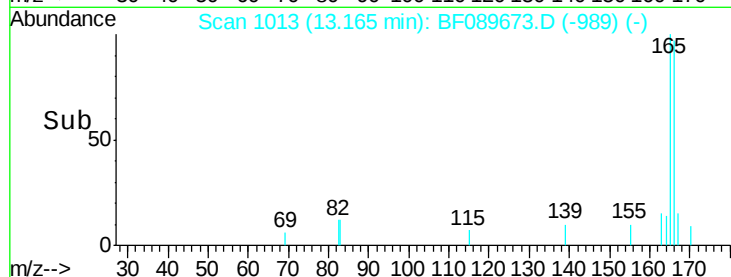
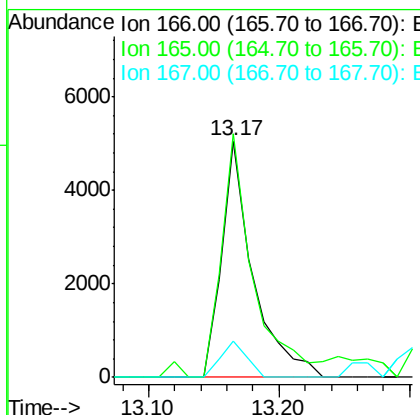
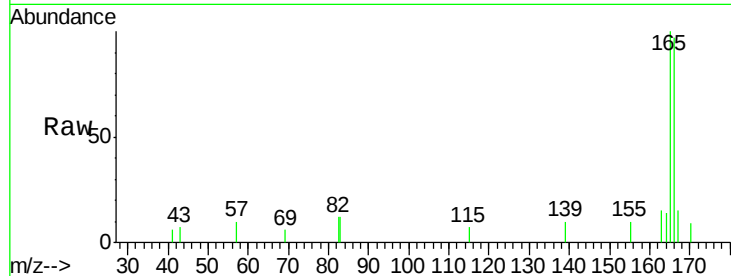




#57
Fluorene
 Concen: 1.17 ng
 RT: 13.17 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

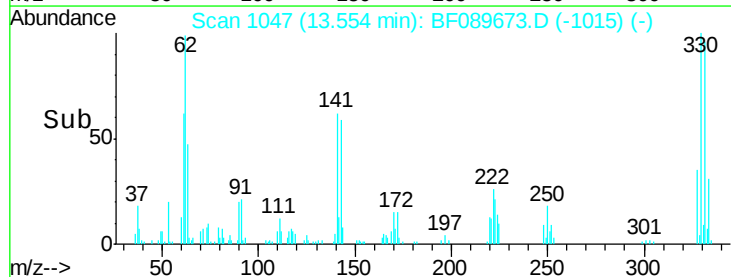
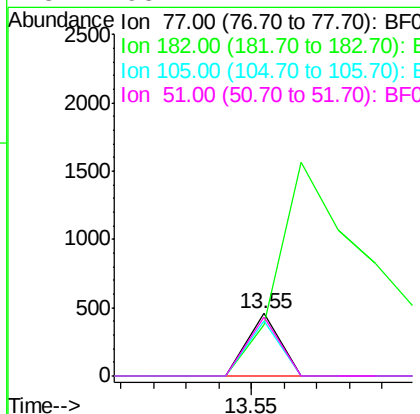
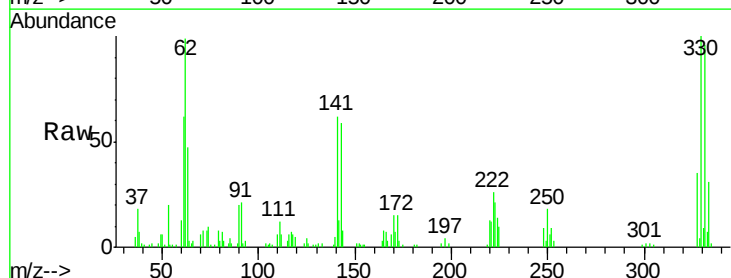
Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

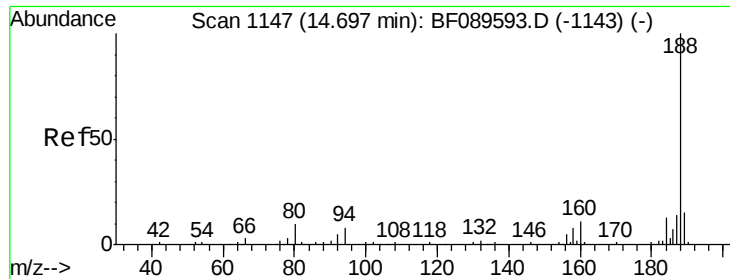
Tgt Ion: 166 Resp: 8477
 Ion Ratio Lower Upper
 166 100
 165 103.0 78.9 118.3
 167 15.6 10.4 15.6



#62
Azobenzene
 Concen: 0.04 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. 0.07 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion: 77 Resp: 313
 Ion Ratio Lower Upper
 77 100
 182 82.0 5.8 45.8#
 105 87.5 2.9 42.9#
 51 95.2 7.2 47.2#

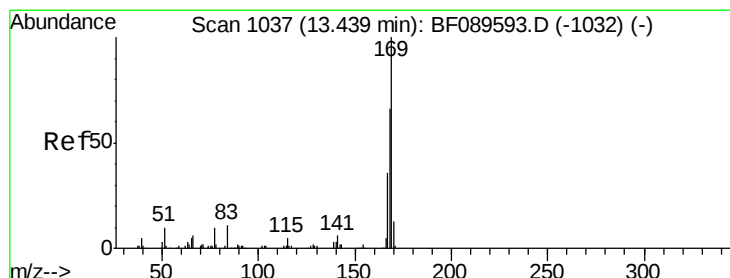
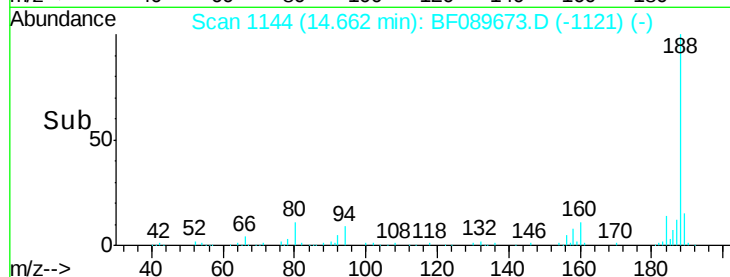
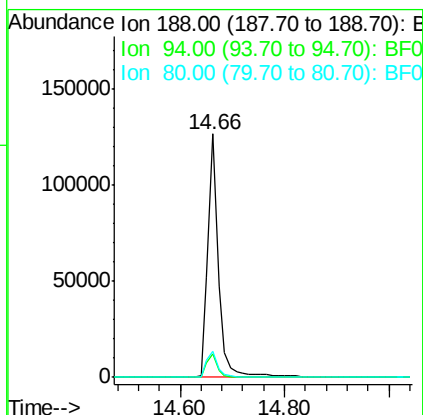
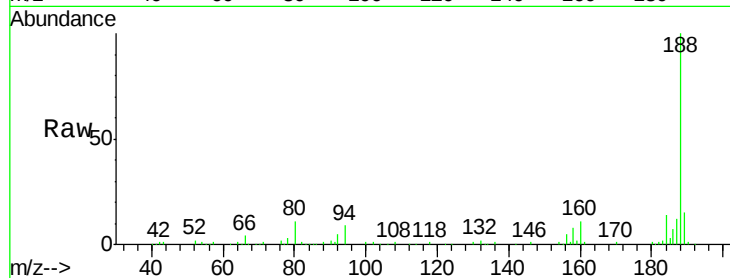




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

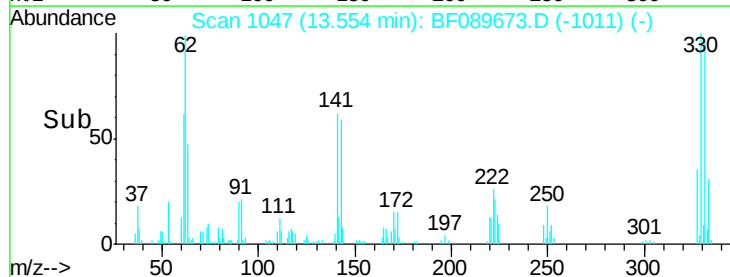
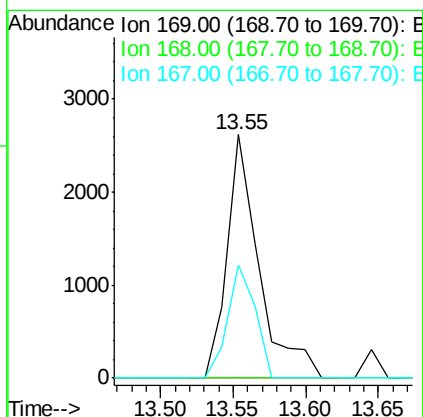
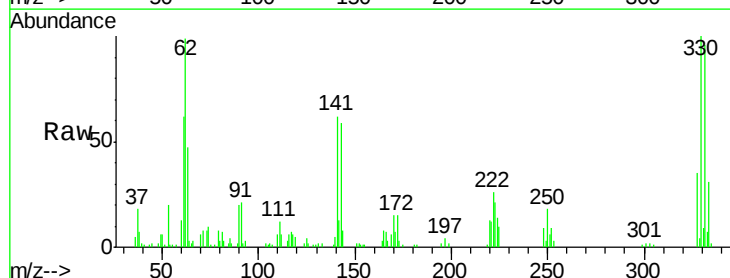
Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

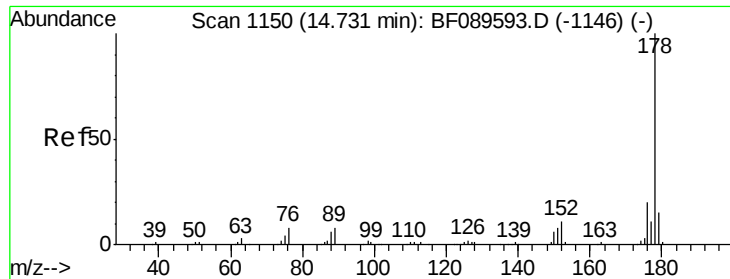
Tgt Ion:188 Resp: 179292
Ion Ratio Lower Upper
188 100
94 9.5 6.5 9.7
80 10.7 8.0 12.0



#65
n-Nitrosodiphenylamine
Concen: 0.66 ng
RT: 13.55 min Scan# 1047
Delta R.T. 0.11 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion:169 Resp: 4017
Ion Ratio Lower Upper
169 100
168 0.0 54.2 81.2#
167 46.3 28.9 43.3#

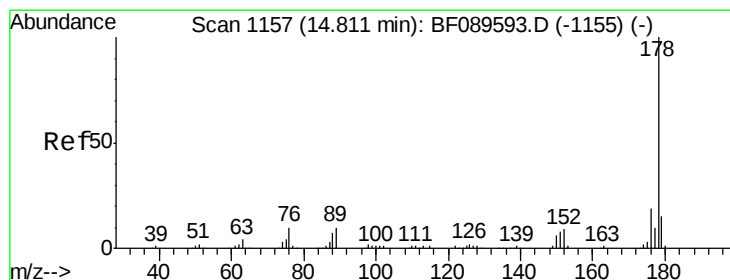
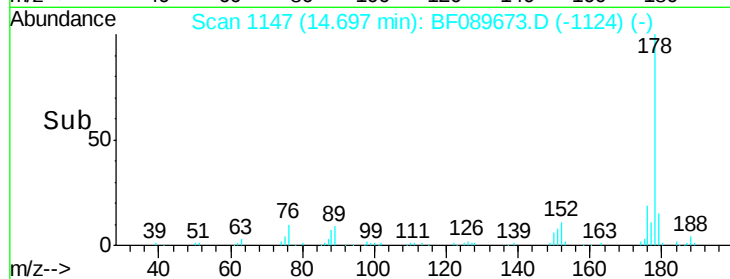
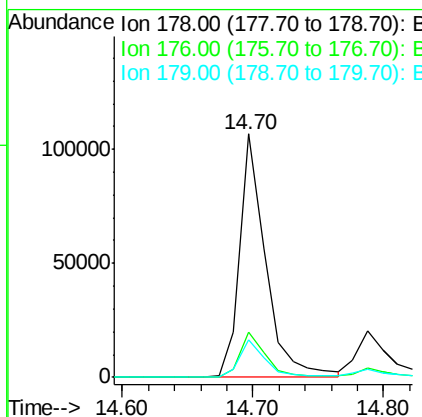
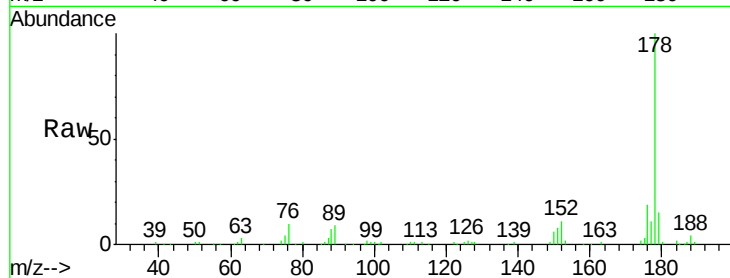




#70
 Phenanthrene
 Concen: 15.14 ng
 RT: 14.70 min Scan# 1147
 Delta R.T. -0.03 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

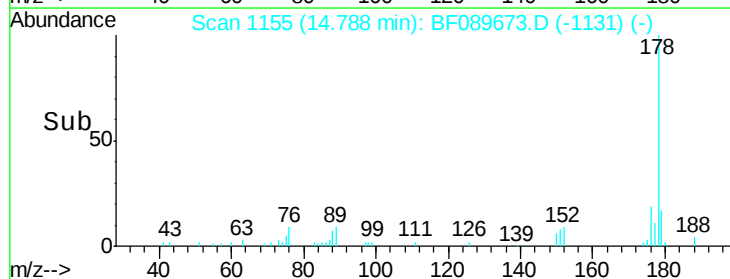
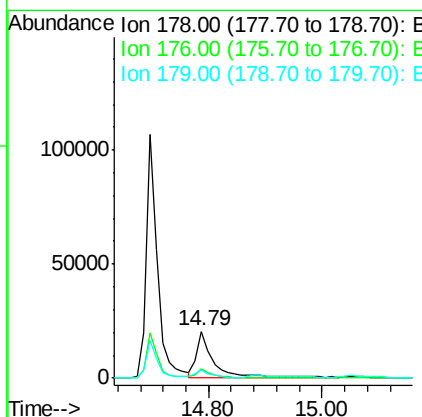
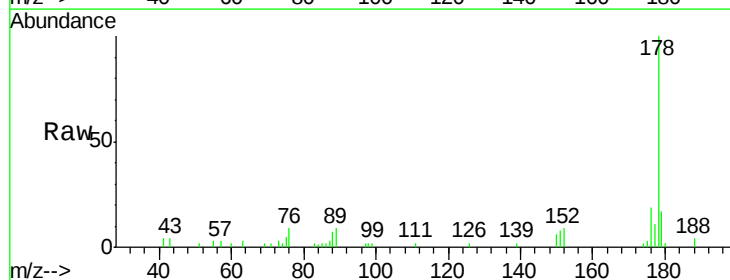
Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

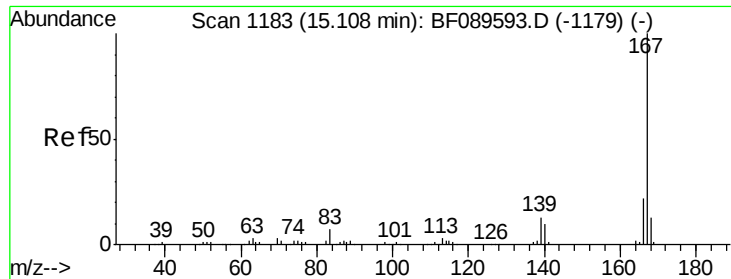
Tgt Ion:178 Resp: 147573
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.4 12.2 18.2



#71
 Anthracene
 Concen: 4.00 ng
 RT: 14.79 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion:178 Resp: 41859
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.4
 179 17.3 12.4 18.6





#72

Carbazole

Concen: 1.59 ng

RT: 15.10 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

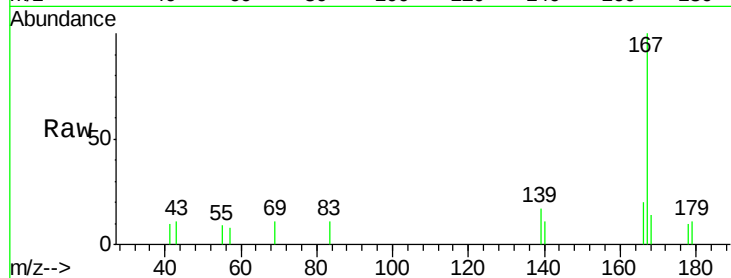
Tgt Ion:167 Resp: 13865

Ion Ratio Lower Upper

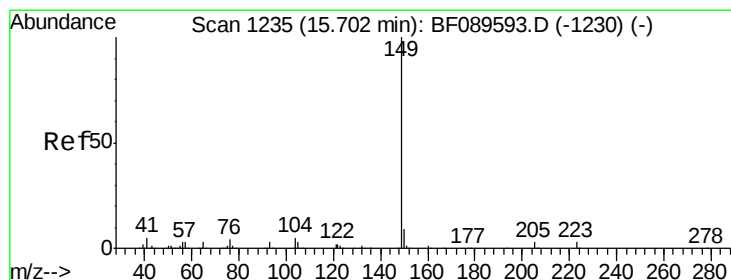
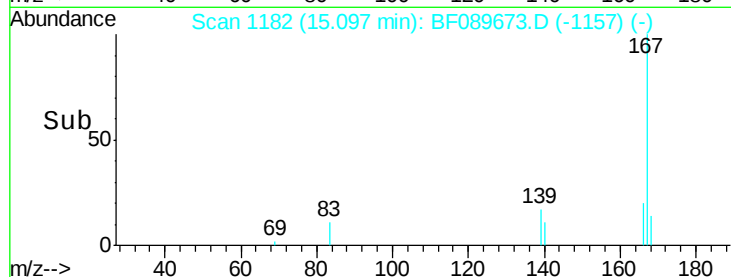
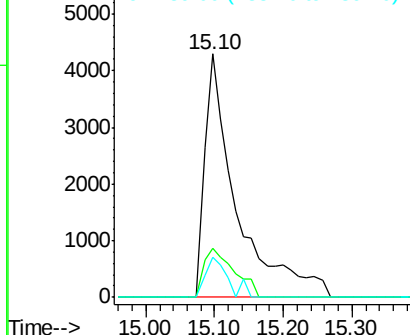
167 100

166 20.4 17.5 26.3

139 16.7 10.4 15.6#



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: 4.02 ng

RT: 15.67 min Scan# 1232

Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

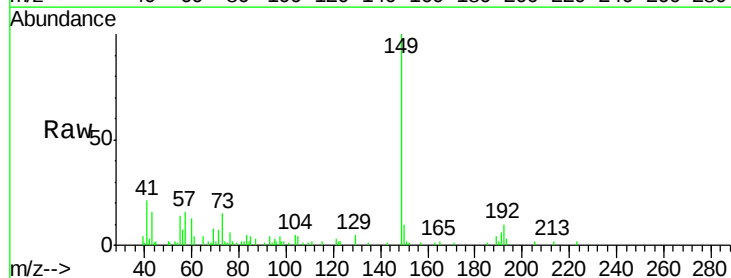
Tgt Ion:149 Resp: 47415

Ion Ratio Lower Upper

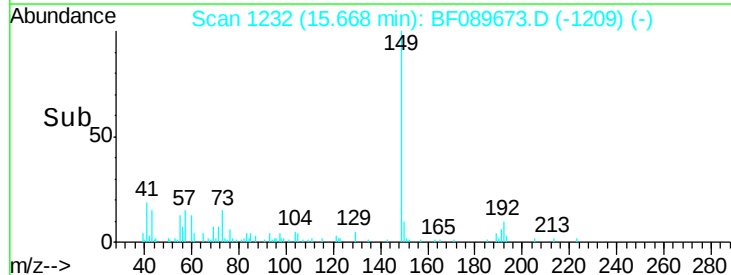
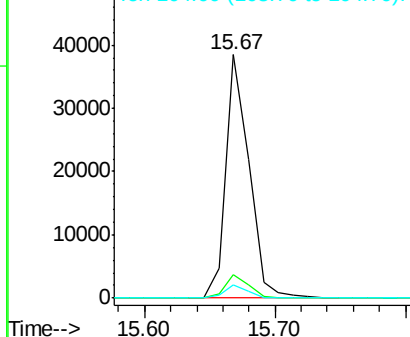
149 100

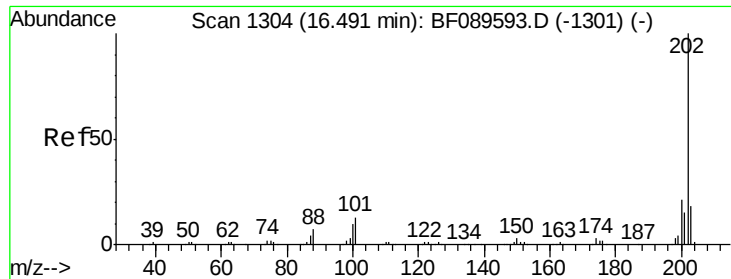
150 9.7 7.2 10.8

104 5.3 3.8 5.8



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

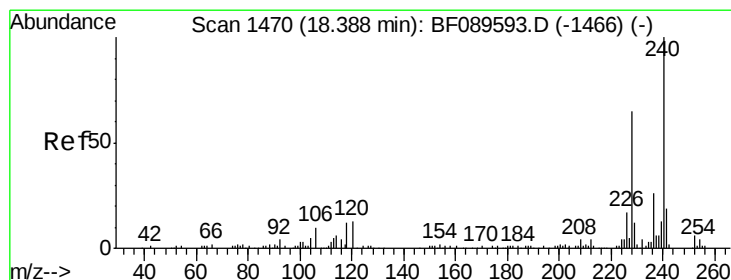
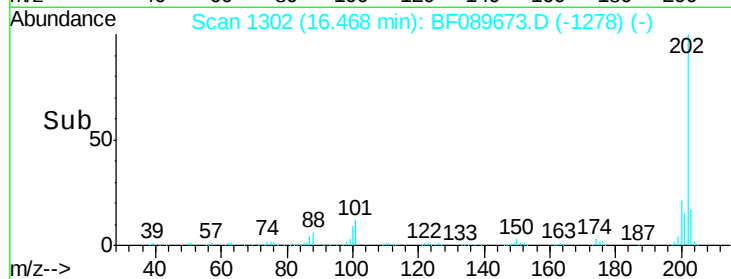
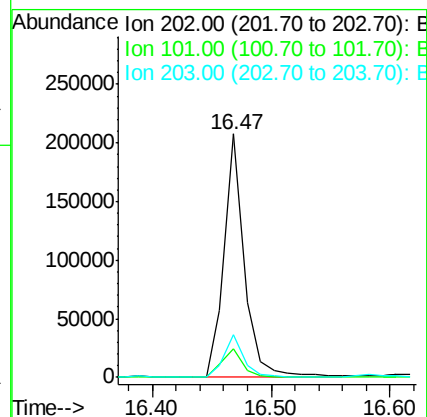
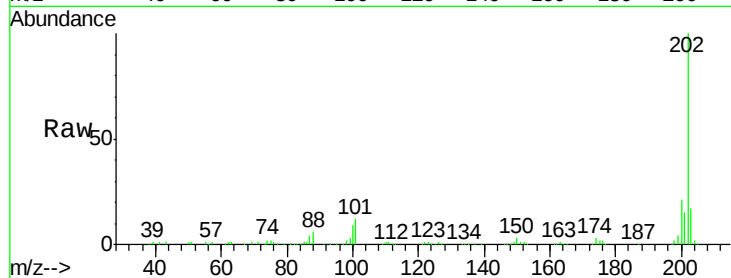




#74
Fluoranthene
Concen: 24.67 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

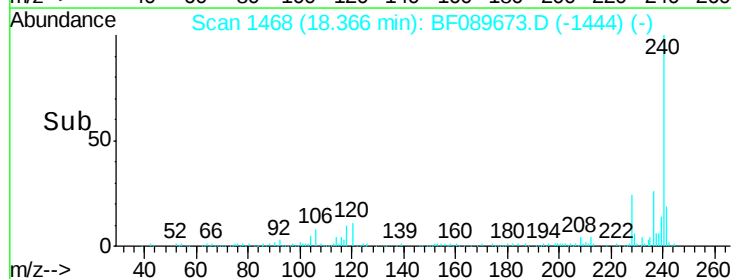
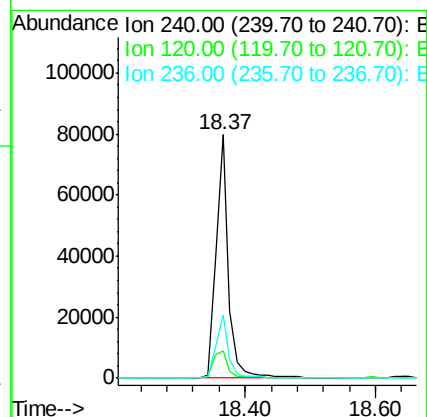
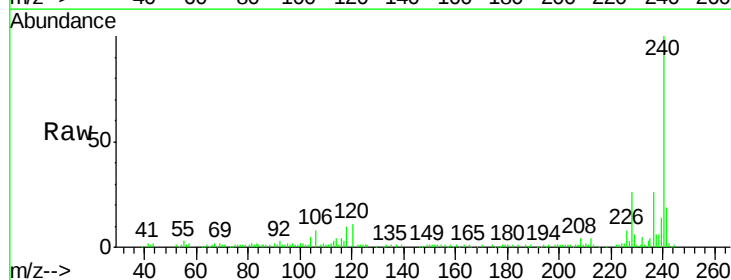
Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

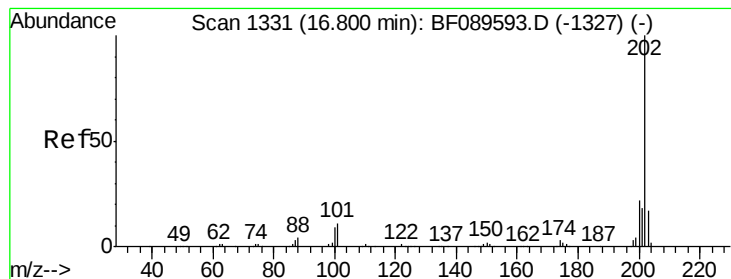
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.7
203	17.5	0.0	37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.37 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.6	15.8
236	25.8	20.6	30.8





#77

Pyrene

Concen: 23.51 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.03 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

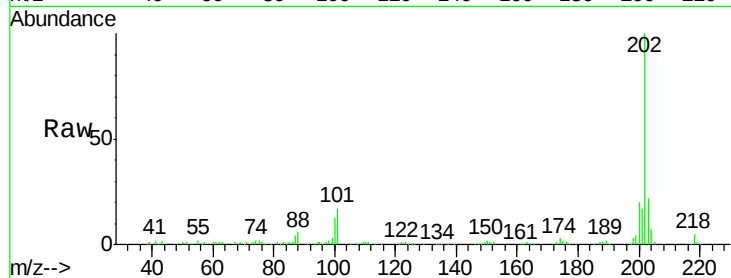
Tgt Ion:202 Resp: 221475

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.0

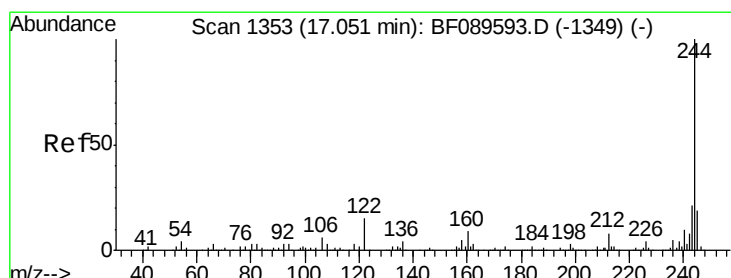
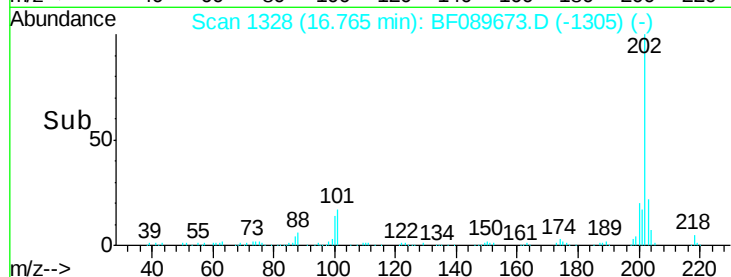
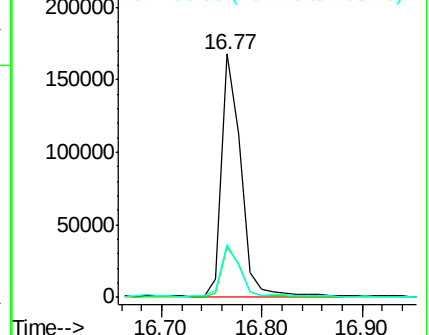
203 21.9 13.6 20.4#



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: 61.19 ng

RT: 17.03 min Scan# 1351

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

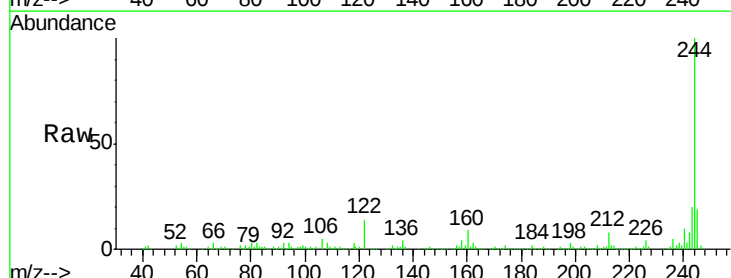
Tgt Ion:244 Resp: 330336

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

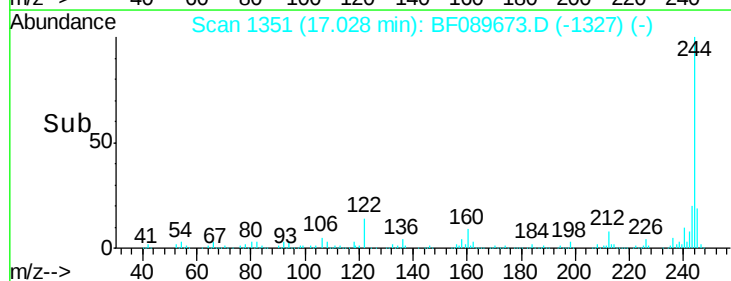
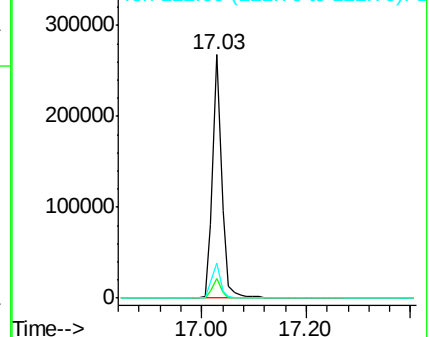
122 14.1 12.2 18.2

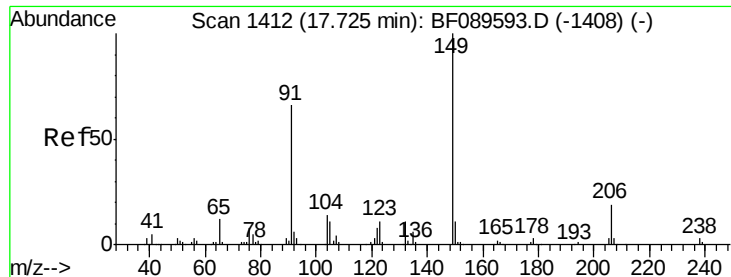


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

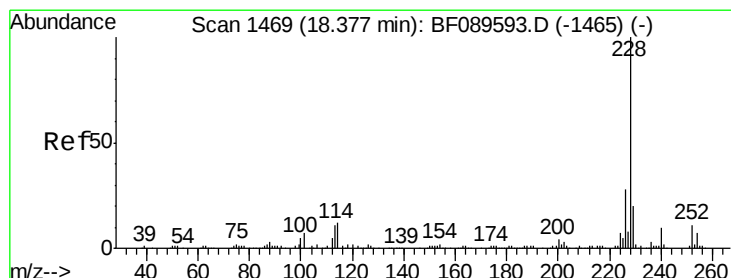
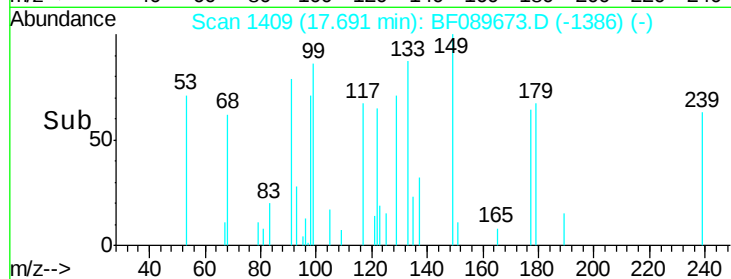
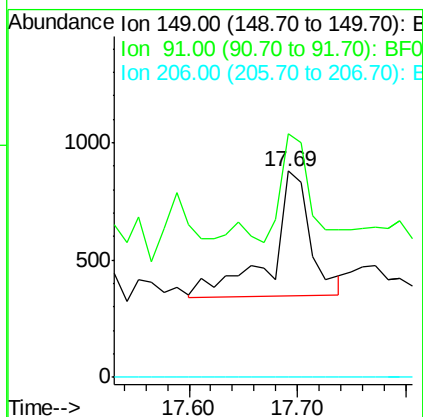
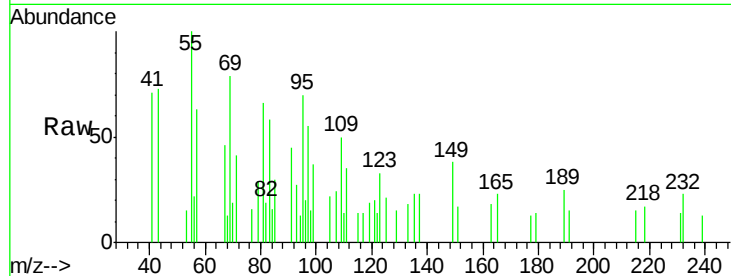




#79
Butylbenzylphthalate
Concen: 0.33 ng
RT: 17.69 min Scan# 1409
Delta R.T. -0.03 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

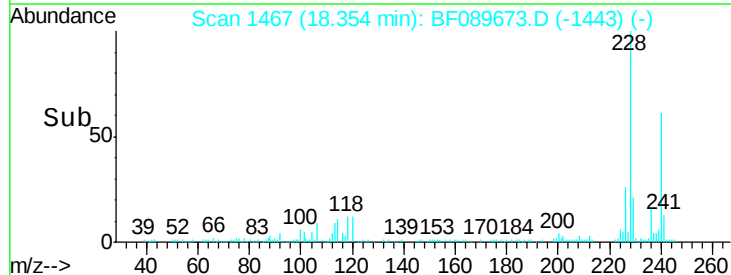
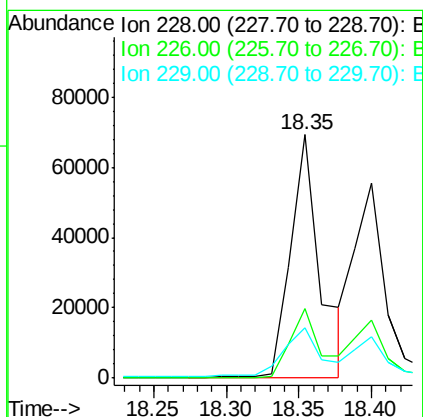
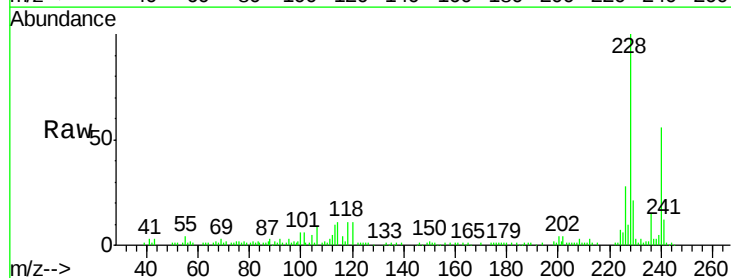
Instrument :
BNA_F
ClientSampleId :
SB-66-0.5-1.5

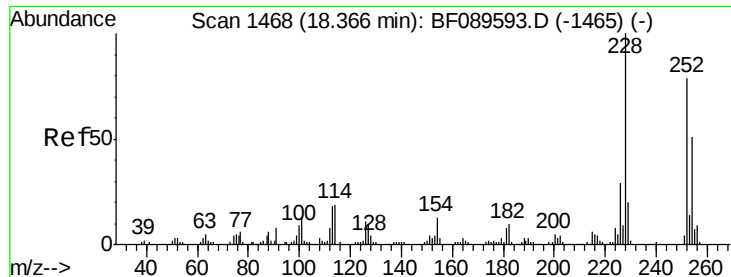
Tgt Ion:149 Resp: 1330
Ion Ratio Lower Upper
149 100
91 118.1 52.6 78.8#
206 0.0 15.4 23.0#



#80
Benzo(a)anthracene
Concen: 16.14 ng
RT: 18.35 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BF089673.D
Acq: 8 Aug 2016 21:49

Tgt Ion:228 Resp: 98813
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 20.8 15.9 23.9

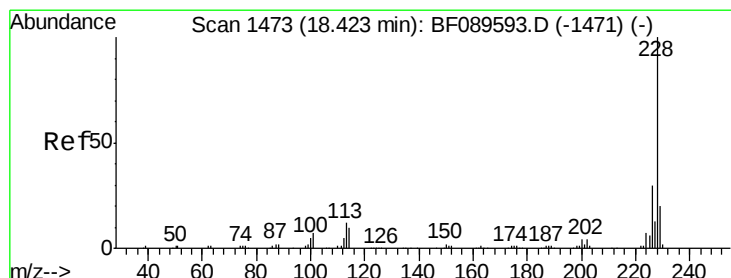
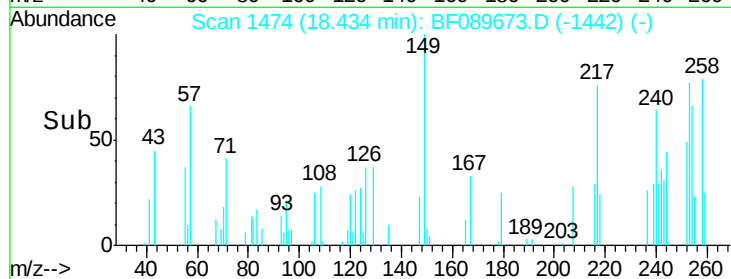
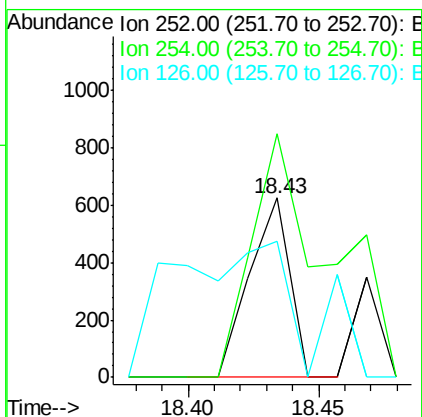
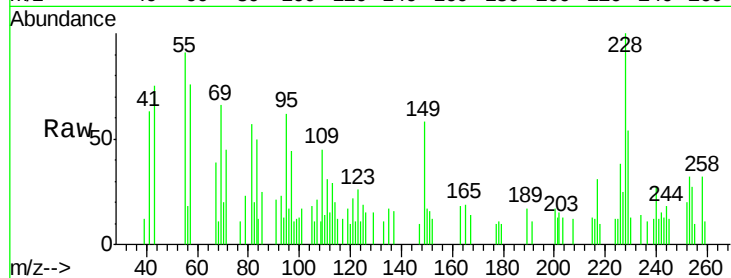




#81
 3,3'-Dichlorobenzidine
 Concen: 0.34 ng
 RT: 18.43 min Scan# 1474
 Delta R.T. 0.07 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

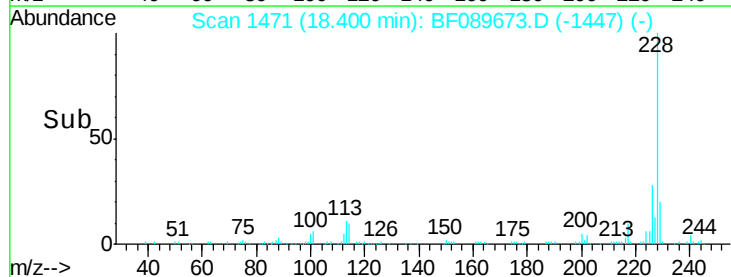
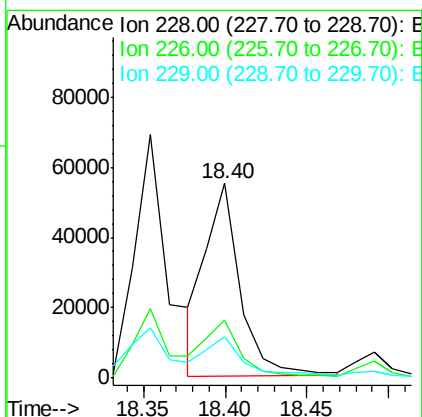
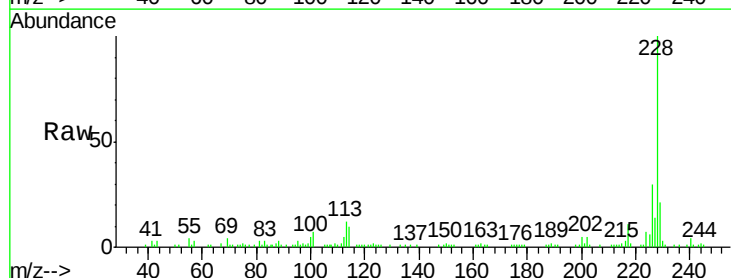
Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

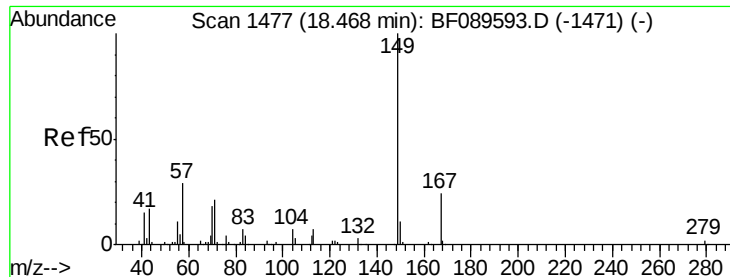
Tgt Ion: 252 Resp: 664
 Ion Ratio Lower Upper
 252 100
 254 135.9 51.7 77.5#
 126 75.8 11.0 16.4#



#82
 Chrysene
 Concen: 12.69 ng
 RT: 18.40 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion: 228 Resp: 81526
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.2 36.2
 229 21.4 16.0 24.0

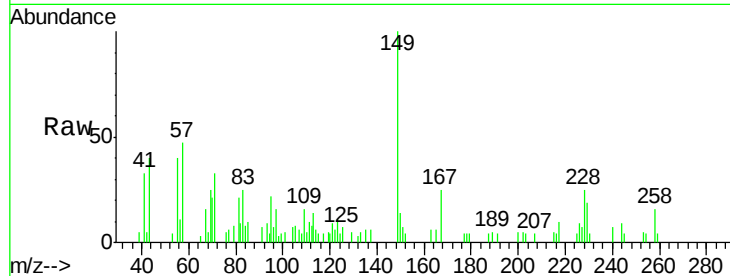




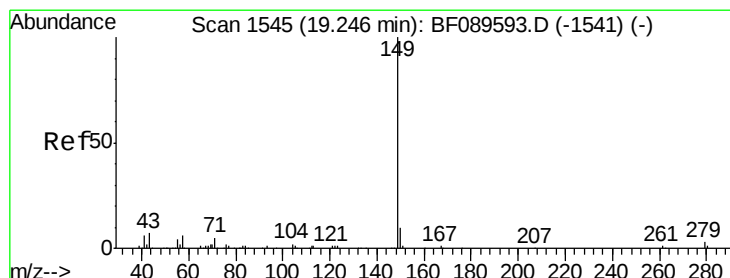
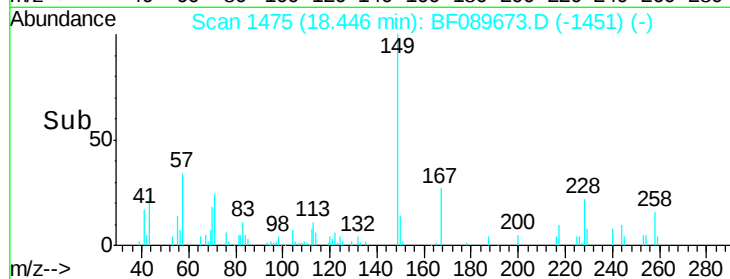
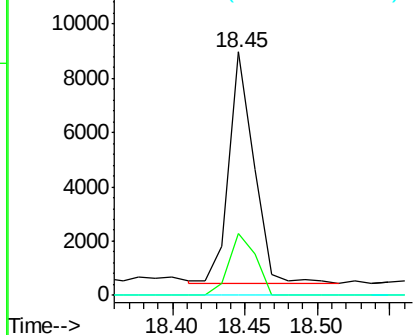
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.84 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion:149 Resp: 10187
 Ion Ratio Lower Upper
 149 100
 167 25.4 19.0 28.4
 279 0.0 1.8 2.6#

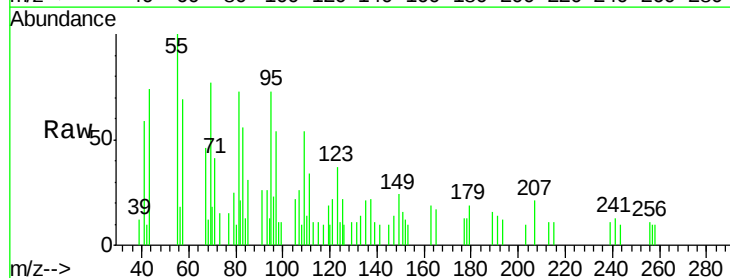


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

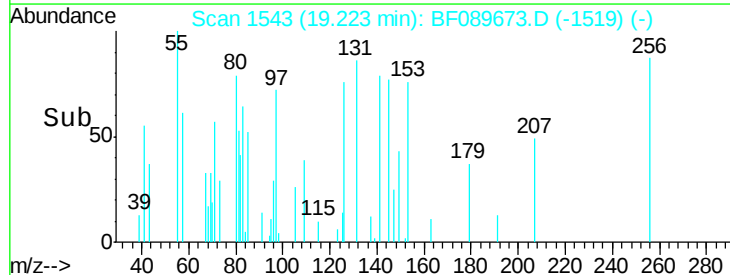
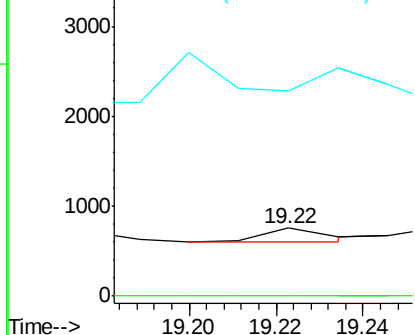


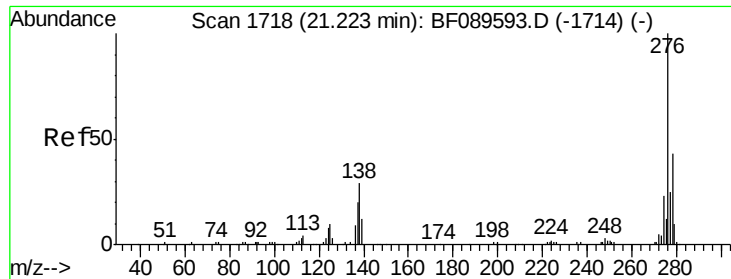
#84
 Di-n-octyl phthalate
 Concen: 0.02 ng
 RT: 19.22 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Tgt Ion:149 Resp: 155
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 0.0 7.0 10.4#



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: 12.61 ng

RT: 21.20 min Scan# 1716

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

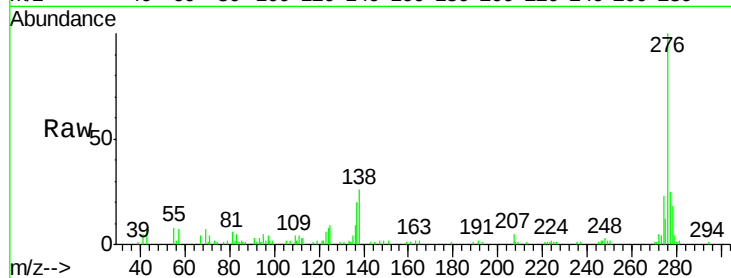
Tgt Ion:276 Resp: 61517

Ion Ratio Lower Upper

276 100

138 26.1 23.8 35.8

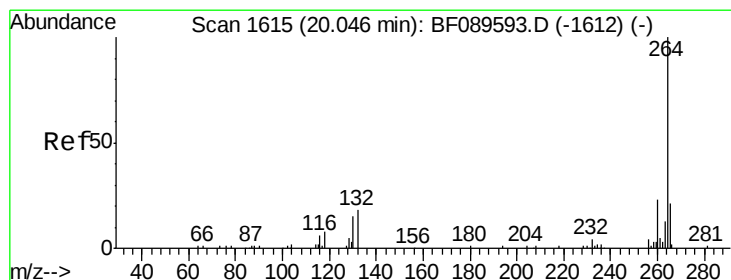
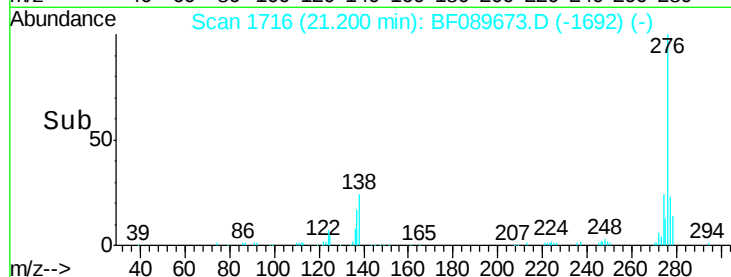
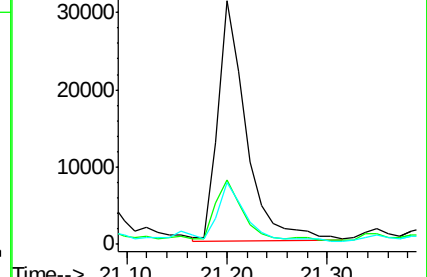
277 25.5 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

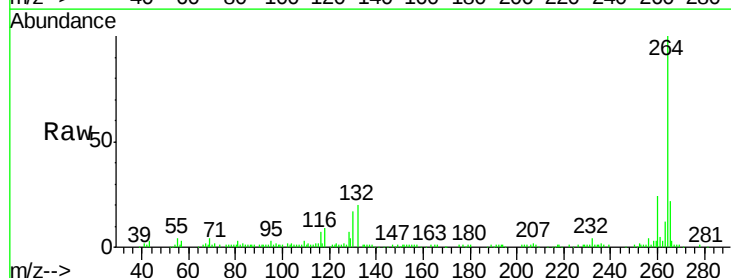
Tgt Ion:264 Resp: 107444

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

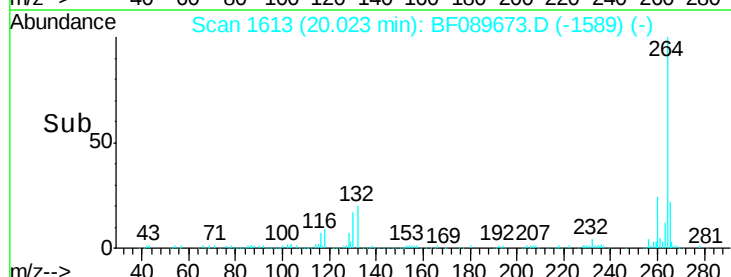
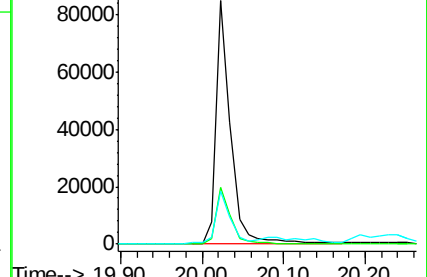
265 21.6 16.5 24.7

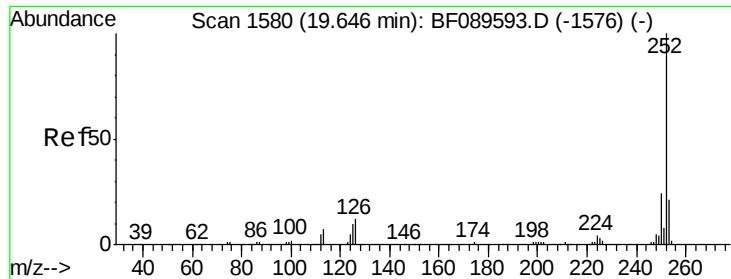


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.15 ng

RT: 19.62 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

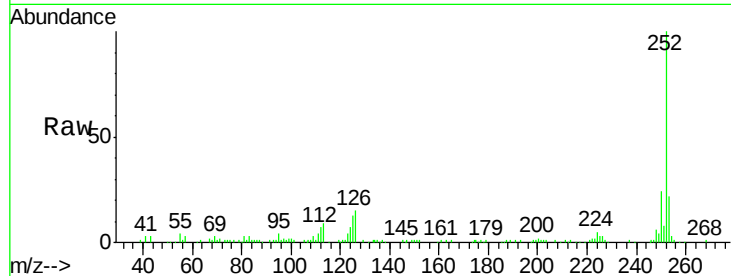
Instrument :

BNA_F

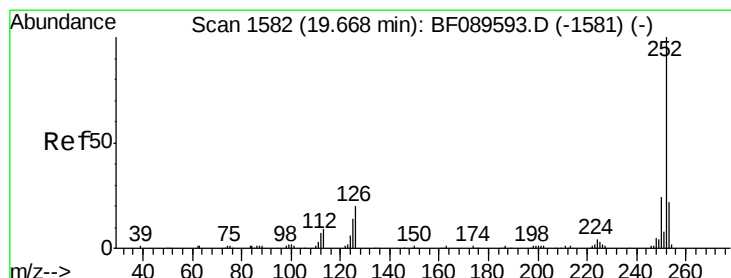
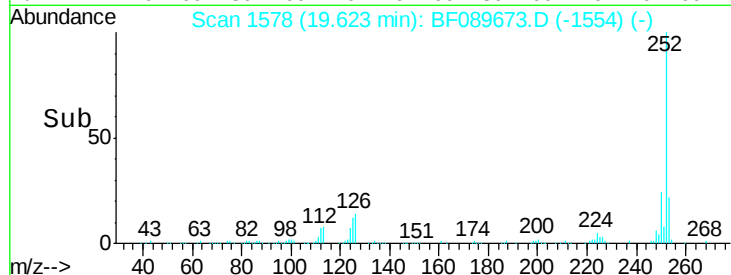
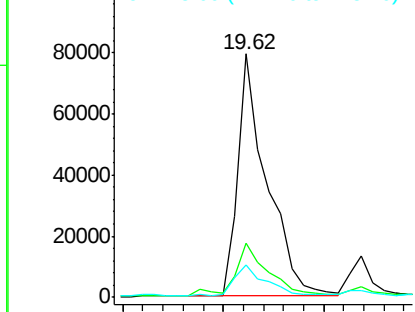
ClientSampleId :

SB-66-0.5-1.5

Tgt Ion:	252	Resp:	159557
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	13.4	7.8	11.8#



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



#88

Benzo(k)fluoranthene

Concen: 23.93 ng

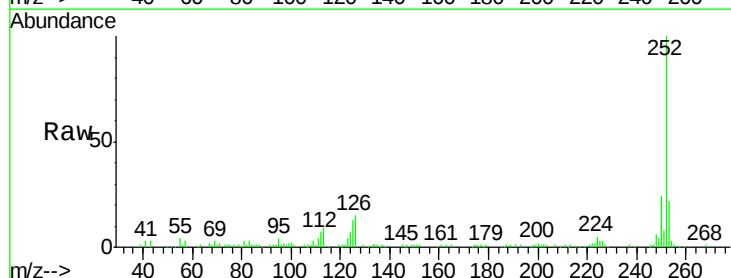
RT: 19.62 min Scan# 1578

Delta R.T. -0.05 min

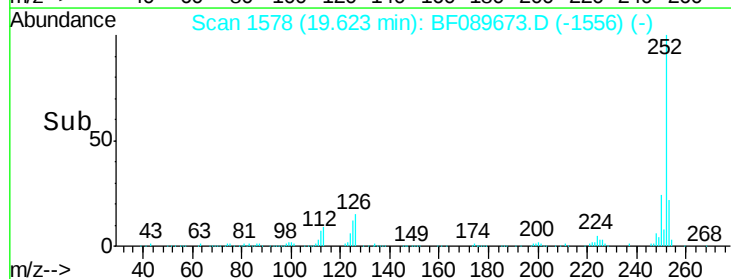
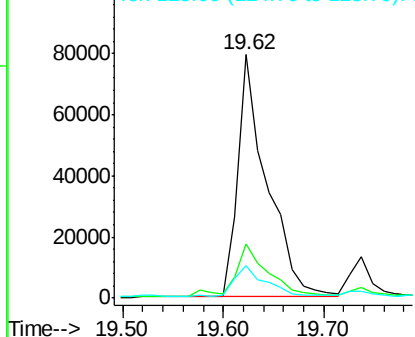
Lab File: BF089673.D

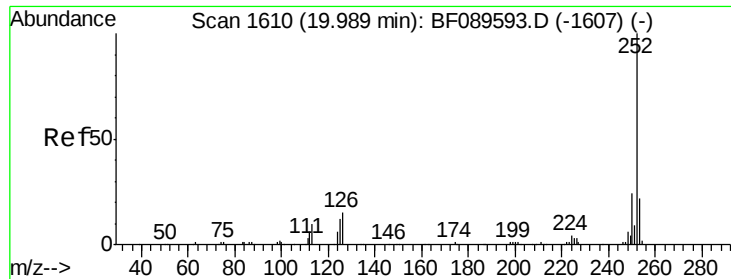
Acq: 8 Aug 2016 21:49

Tgt Ion:	252	Resp:	159557
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.3	25.9
125	13.4	11.0	16.6



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: 14.57 ng

RT: 19.97 min Scan# 1608

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-66-0.5-1.5

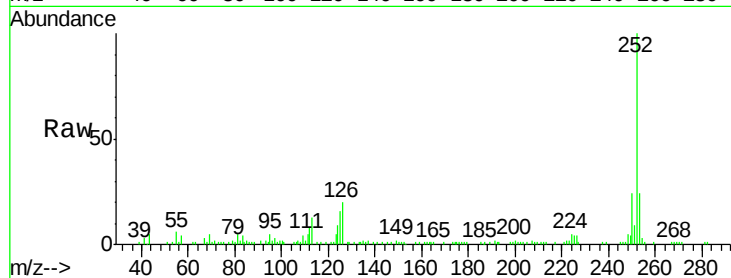
Tgt Ion:252 Resp: 90125

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

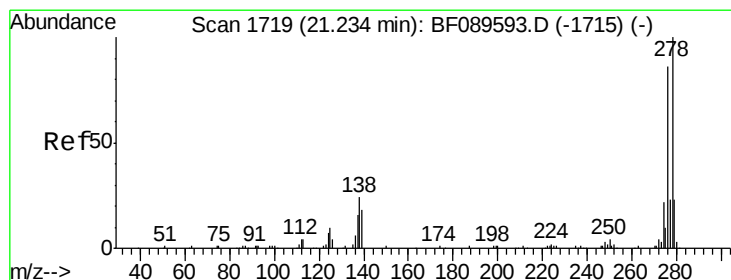
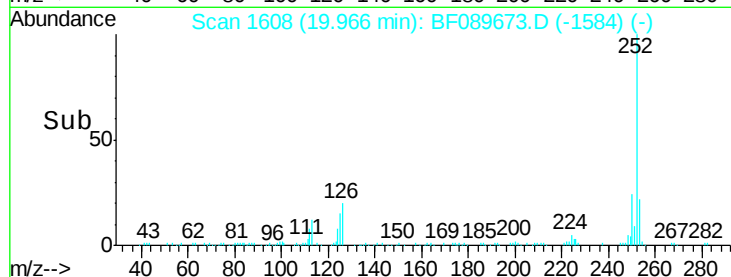
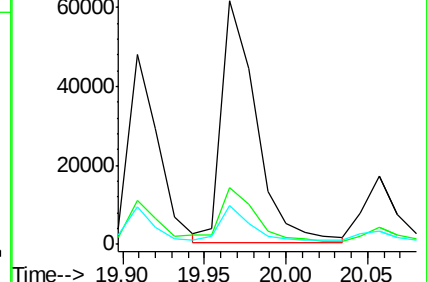
125 16.0 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.61 ng

RT: 21.21 min Scan# 1717

Delta R.T. -0.02 min

Lab File: BF089673.D

Acq: 8 Aug 2016 21:49

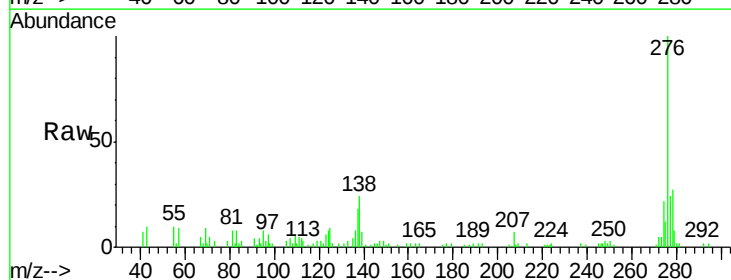
Tgt Ion:278 Resp: 15110

Ion Ratio Lower Upper

278 100

139 26.4 14.6 21.8#

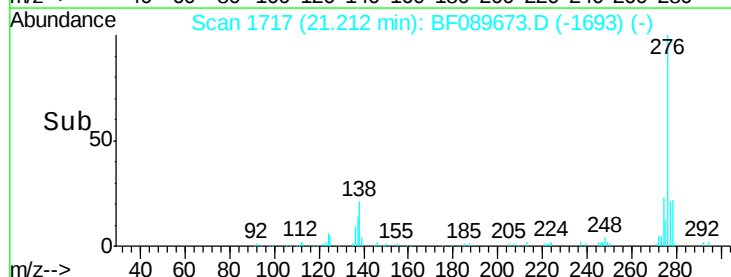
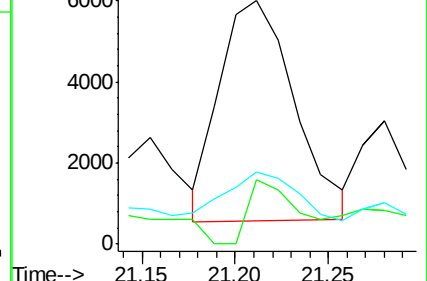
279 29.8 18.4 27.6#

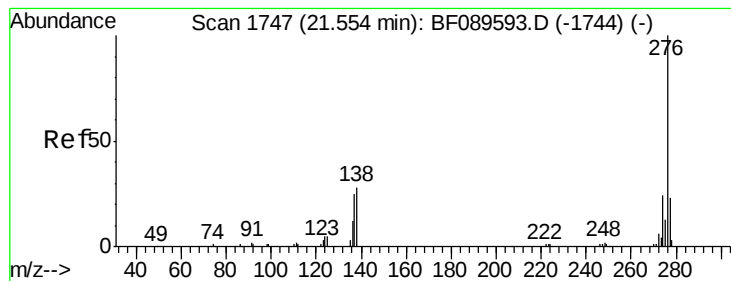


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

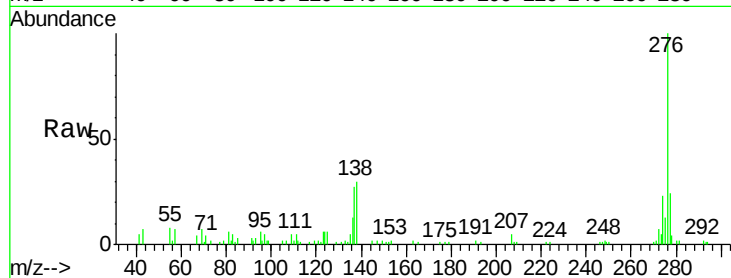




#91
 Benzo(g,h,i)perylene
 Concen: 9.84 ng
 RT: 21.53 min Scan# 1745
 Delta R.T. -0.02 min
 Lab File: BF089673.D
 Acq: 8 Aug 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-66-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	29.5	22.6	33.8



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

