

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081916\
 Data File : BF089799.D
 Acq On : 19 Aug 2016 16:55
 Operator : UM/SJ
 Sample : PB93006BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

Quant Time: Aug 22 01:14:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	573208	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	2070125	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	1023198	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1771958	20.00	ng	0.00
75) Chrysene-d12	13.84	240	1097551	20.00	ng	-0.03
86) Perylene-d12	15.30	264	951742	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	4142665	123.94	ng	0.02
7) Phenol-d6	6.32	99	4729015	115.25	ng	0.00
23) Nitrobenzene-d5	7.24	82	2729775	81.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	1098886	113.01	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	4861707	83.51	ng	0.00
78) Terphenyl-d14	12.79	244	4215753	86.90	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	2.76	42	2812	0.17	ng	# 1
6) Aniline	6.34	93	235	0.00	ng	# 1
8) 2-Chlorophenol	6.47	128	2507	0.06	ng	90
9) Benzaldehyde	6.44	77	82624	3.09	ng	86
10) Phenol	6.33	94	975	0.02	ng	# 1
11) bis(2-Chloroethyl)ether	6.44	93	6171	0.17	ng	# 1
12) 1,3-Dichlorobenzene	6.84	146	619	0.01	ng	# 1
13) 1,4-Dichlorobenzene	6.84	146	619	0.01	ng	# 1
14) 1,2-Dichlorobenzene	6.84	146	619	0.02	ng	# 1
15) Benzyl Alcohol	6.84	79	47825	1.76	ng	# 45
17) 2-Methylphenol	6.84	107	390	0.01	ng	# 1
19) n-Nitroso-di-n-propylamine	7.24	70	353556	13.47	ng	# 74
20) 3+4-Methylphenols	6.84	107	390	0.01	ng	# 1
22) Acetophenone	7.10	105	260	0.01	ng	# 31
24) Nitrobenzene	7.24	77	7224	0.19	ng	# 36
25) Isophorone	7.24	82	2364693	35.19	ng	# 67
28) bis(2-Chloroethoxy)methane	7.96	93	277	0.01	ng	# 1
31) Naphthalene	7.99	128	710	0.01	ng	# 67
32) Benzoic acid	7.96	122	355	0.01	ng	# 1
33) 4-Chloroaniline	8.10	127	904	0.02	ng	# 1
37) 2-Methylnaphthalene	8.78	142	274	0.00	ng	# 15
45) 1,1'-Biphenyl	9.14	154	657	0.01	ng	# 42
46) 2-Chloronaphthalene	9.16	162	296	0.00	ng	# 36
47) 2-Nitroaniline	9.05	65	7579	0.42	ng	# 1
48) Acenaphthylene	9.56	152	792	0.01	ng	# 59
50) 2,6-Dinitrotoluene	9.71	165	136543	8.21	ng	# 26
51) Acenaphthene	9.71	154	4900	0.08	ng	# 4
54) Dibenzofuran	9.92	168	862	0.01	ng	# 41
56) 2,4-Dinitrotoluene	9.71	165	136547	6.33	ng	# 35
57) Fluorene	10.50	166	57994	0.93	ng	# 93
59) Diethylphthalate	10.15	149	984	0.01	ng	# 60
62) Azobenzene	10.50	77	5967	0.09	ng	# 18
64) 4,6-Dinitro-2-methylphenol	10.50	198	2524	0.25	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	39765	0.71	ng	# 47

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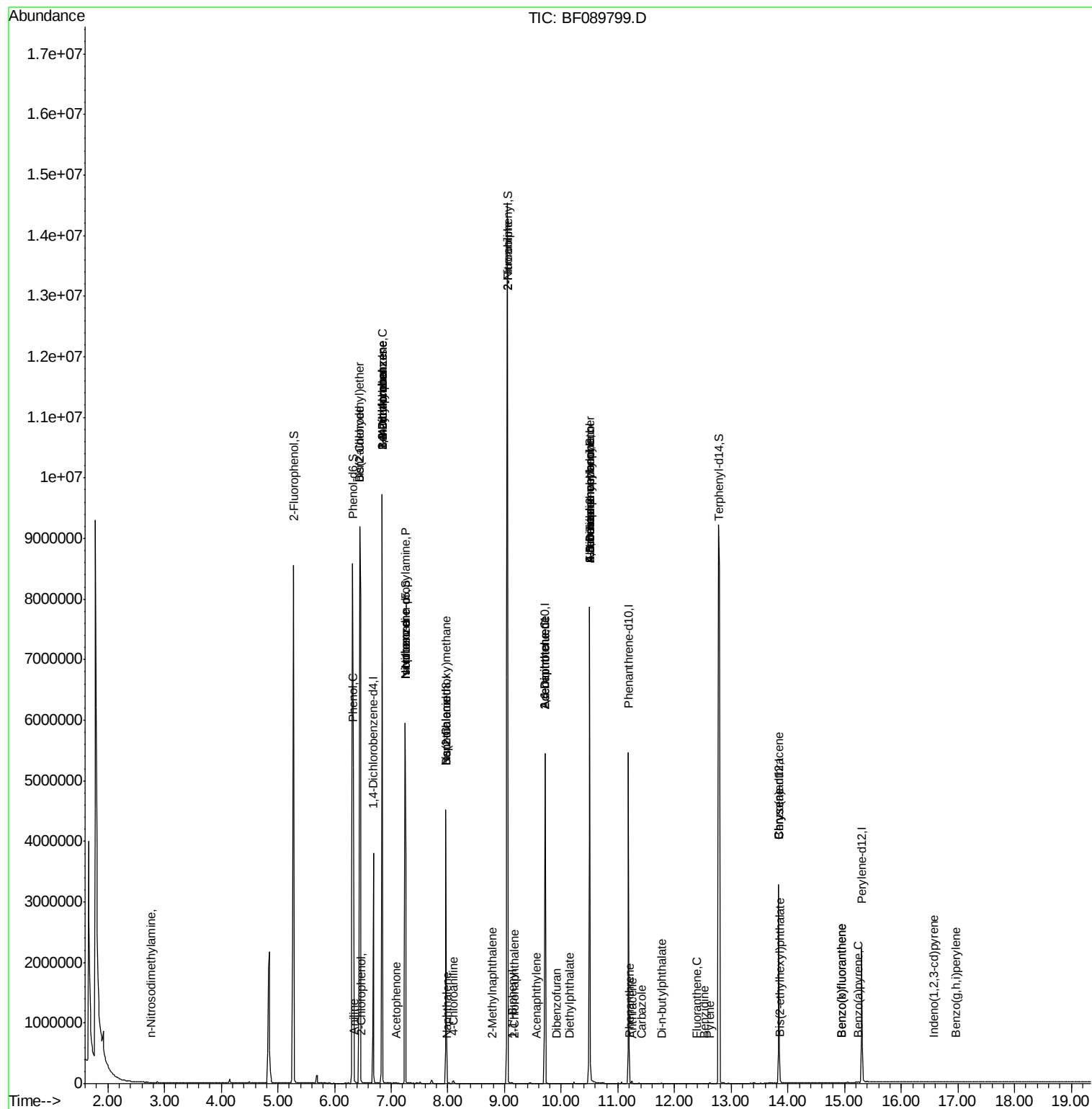
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 4-Bromophenyl-phenylether	10.50	248	70497	3.79	ng	# 1
70) Phenanthrene	11.21	178	1505	0.02	ng	# 59
71) Anthracene	11.26	178	943	0.01	ng	# 58
72) Carbazole	11.42	167	589	0.01	ng	# 57
73) Di-n-butylphthalate	11.77	149	2902	0.03	ng	# 94
74) Fluoranthene	12.39	202	638	0.01	ng	# 64
76) Benzydine	12.53	184	1763	0.05	ng	# 83
77) Pyrene	12.62	202	798	0.01	ng	# 56
80) Benzo(a)anthracene	13.84	228	5203	0.08	ng	# 62
82) Chrysene	13.84	228	5203	0.10	ng	# 59
83) Bis(2-ethylhexyl)phthalate	13.86	149	358	0.01	ng	# 53
85) Indeno(1,2,3-cd)pyrene	16.58	276	490	0.01	ng	# 46
87) Benzo(b)fluoranthene	14.95	252	1390	0.03	ng	# 58
88) Benzo(k)fluoranthene	14.95	252	1390	0.03	ng	# 58
89) Benzo(a)pyrene	15.25	252	232	0.00	ng	# 58
91) Benzo(g,h,i)perylene	16.97	276	739	0.01	ng	# 49

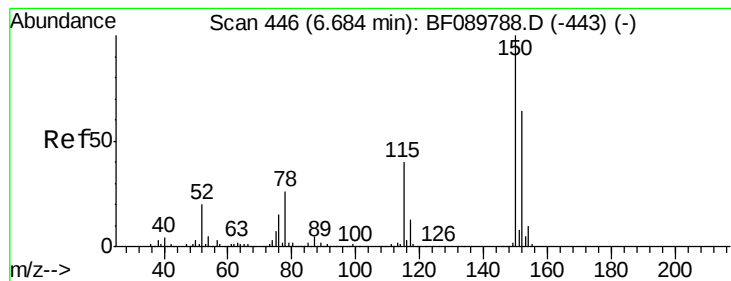
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

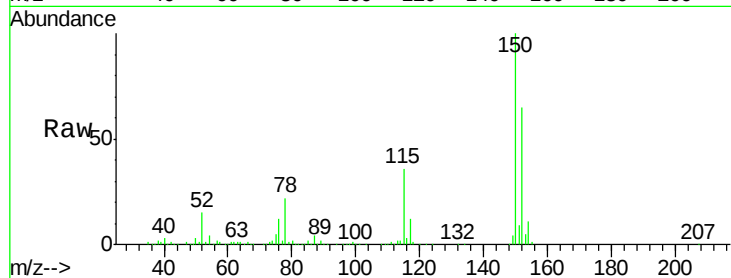
Tgt Ion:152 Resp: 573208

Ion Ratio Lower Upper

152 100

150 154.6 125.3 187.9

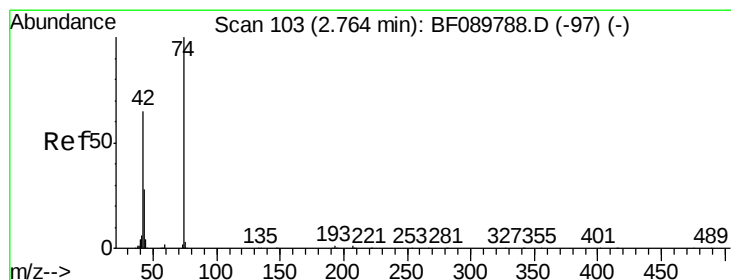
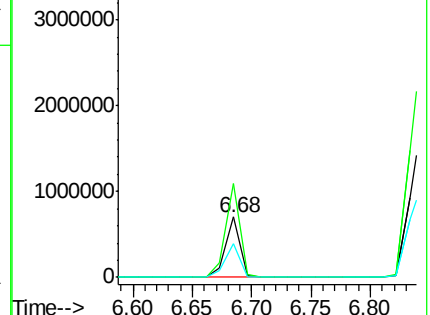
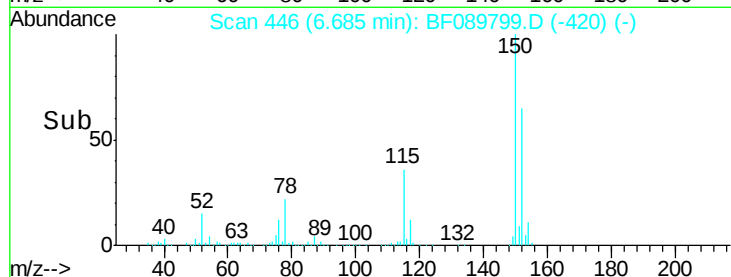
115 55.4 40.9 61.3



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



#4

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 2.76 min Scan# 103

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

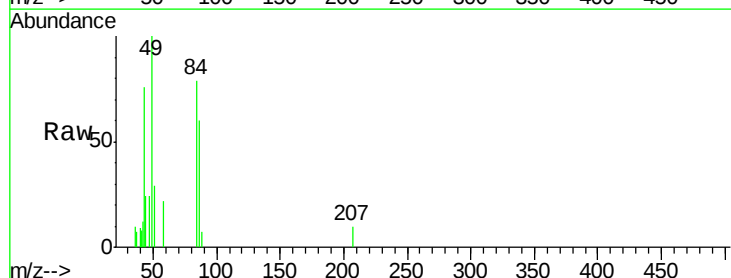
Tgt Ion: 42 Resp: 2812

Ion Ratio Lower Upper

42 100

74 0.0 106.2 159.2#

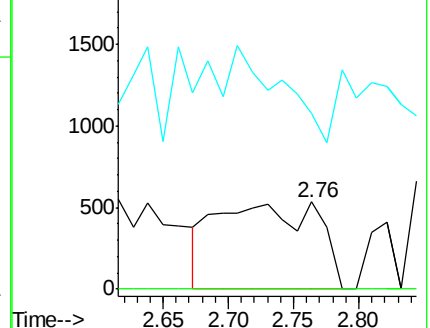
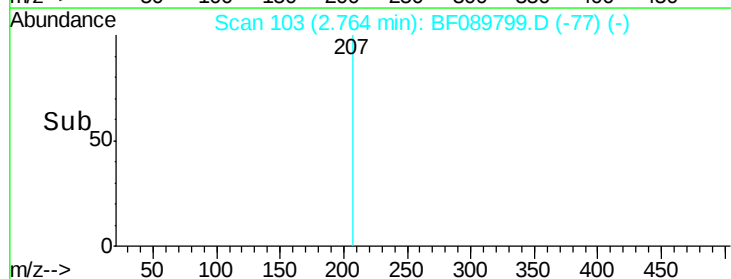
44 201.9 6.9 10.3#

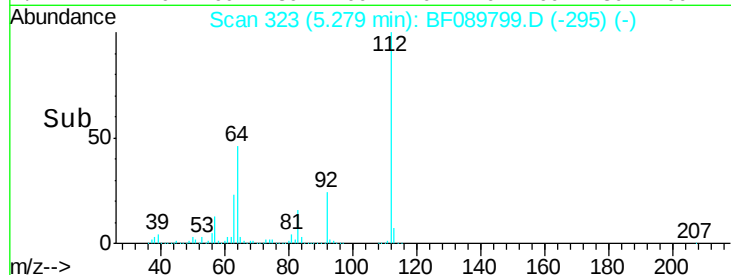
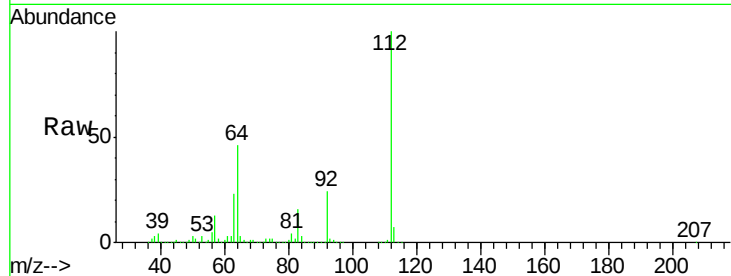
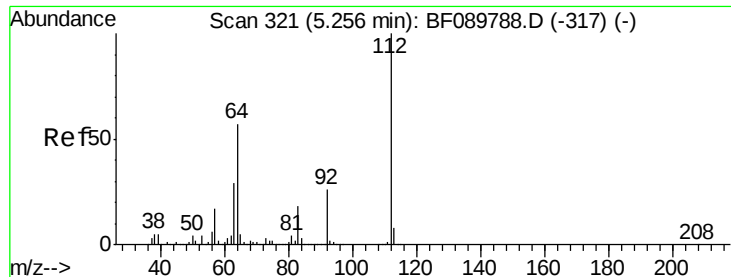


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 123.94 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.02 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

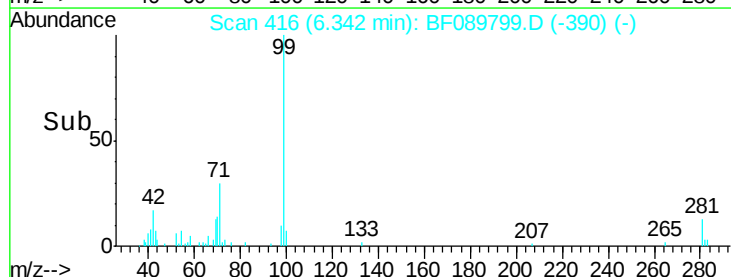
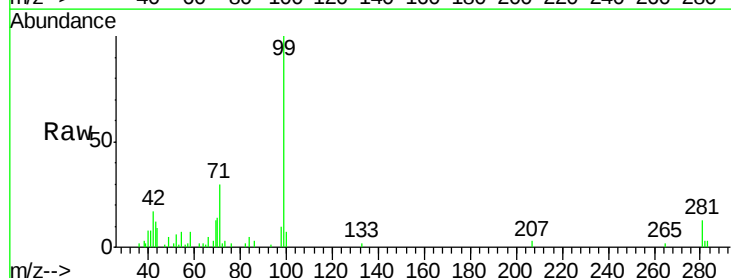
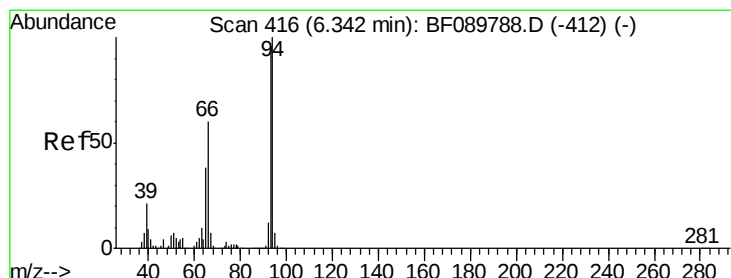
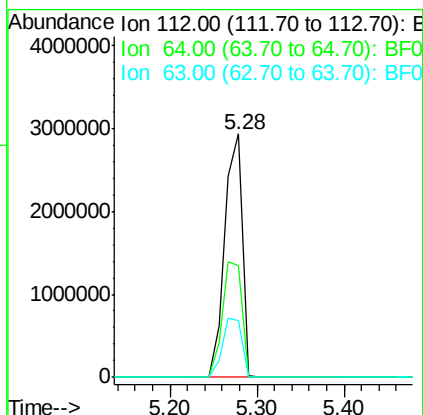
Tgt Ion:112 Resp: 4142665

Ion Ratio Lower Upper

112 100

64 45.9 45.0 67.4

63 23.0 23.1 34.7#



#6

Aniline

Concen: 0.00 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

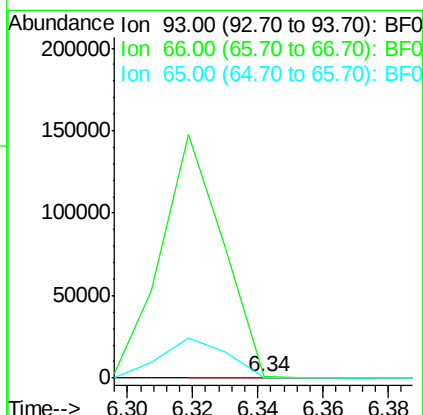
Tgt Ion: 93 Resp: 235

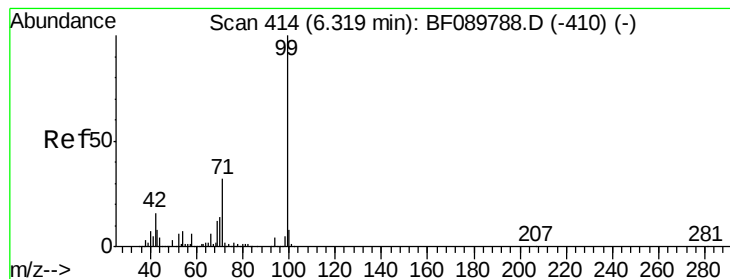
Ion Ratio Lower Upper

93 100

66 317.5 30.6 46.0#

65 95.9 15.4 23.2#





#7

Phenol-d6

Concen: 115.25 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

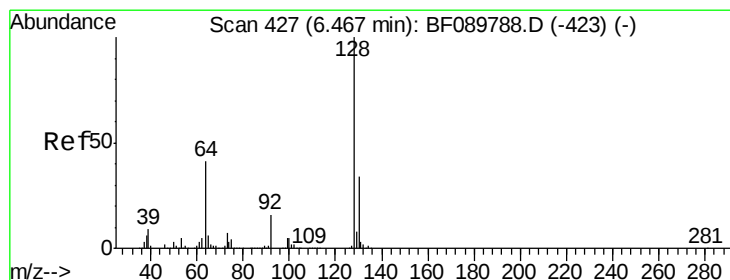
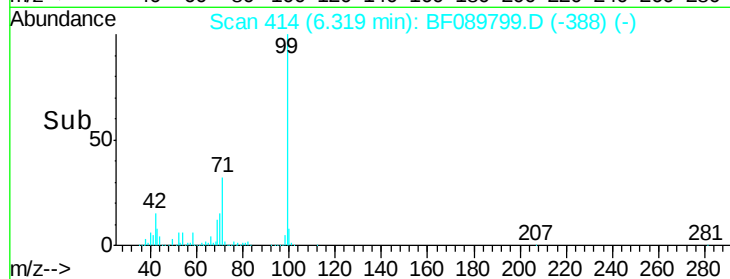
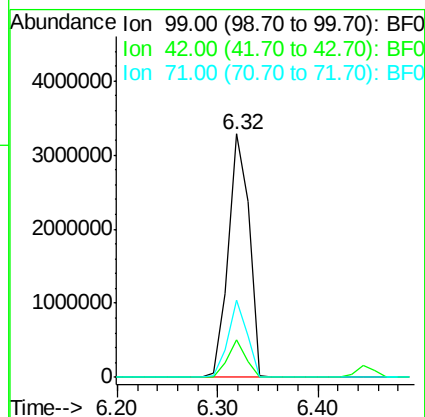
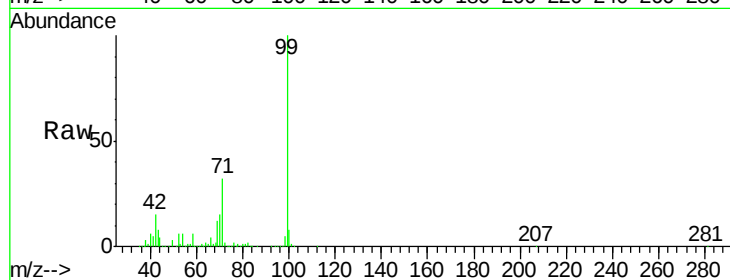
Tgt Ion: 99 Resp: 4729015

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.4

71 32.0 23.8 35.8



#8

2-Chlorophenol

Concen: 0.06 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

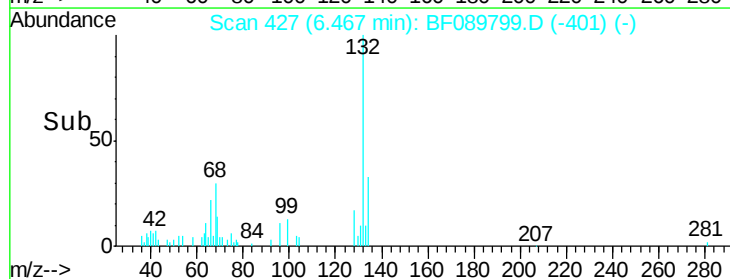
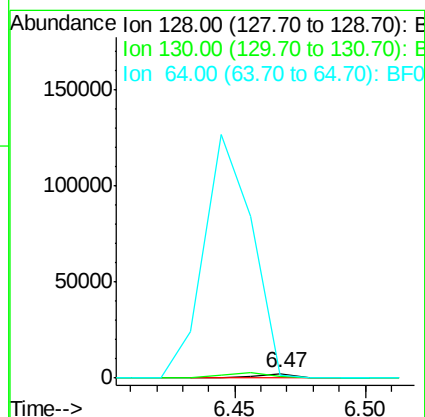
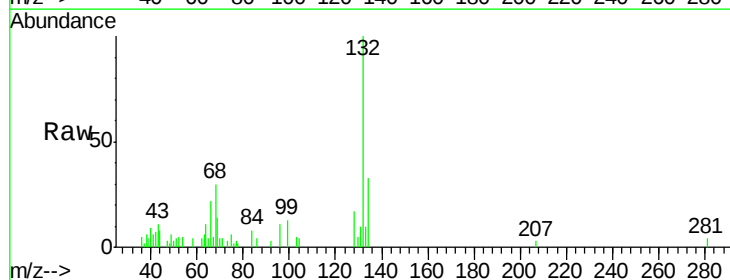
Tgt Ion: 128 Resp: 2507

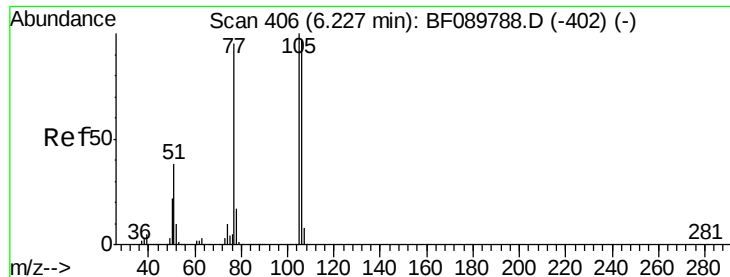
Ion Ratio Lower Upper

128 100

130 29.8 12.0 52.0

64 64.5 35.1 75.1





#9

Benzaldehyde

Concen: 3.09 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.22 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

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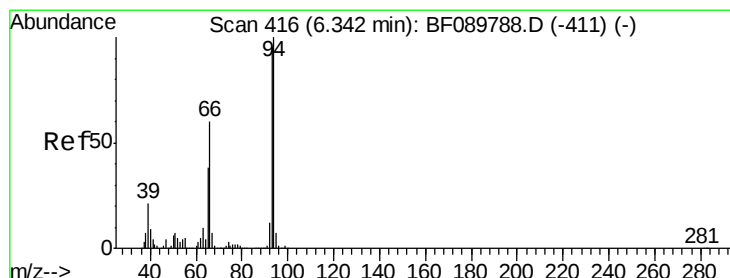
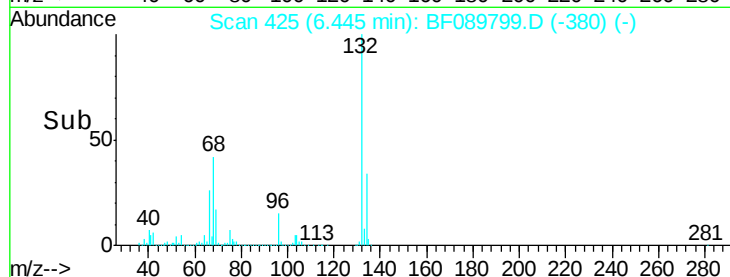
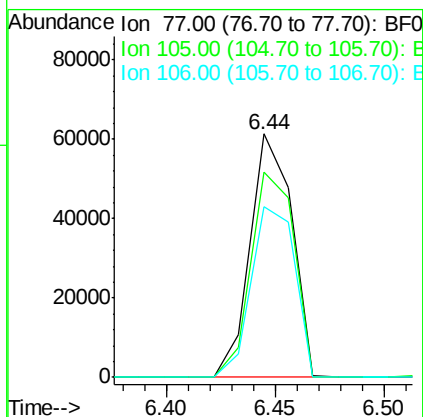
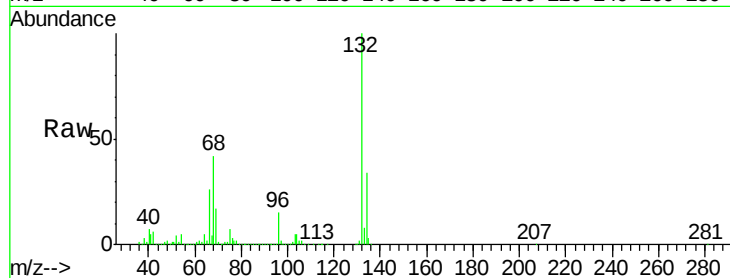
Tgt Ion: 77 Resp: 82624

Ion Ratio Lower Upper

77 100

105 84.4 73.3 113.3

106 70.3 68.6 108.6



#10

Phenol

Concen: 0.02 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

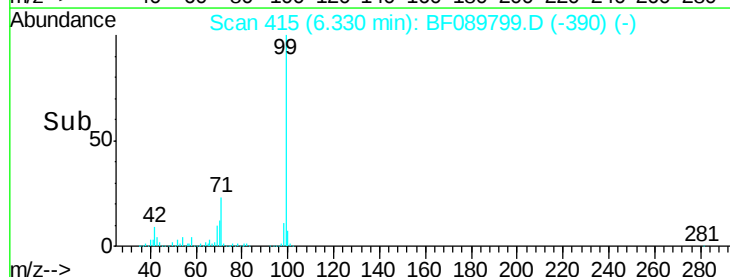
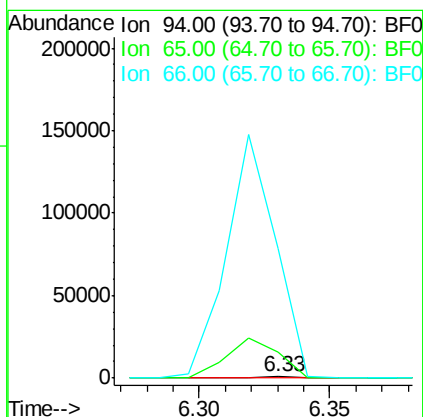
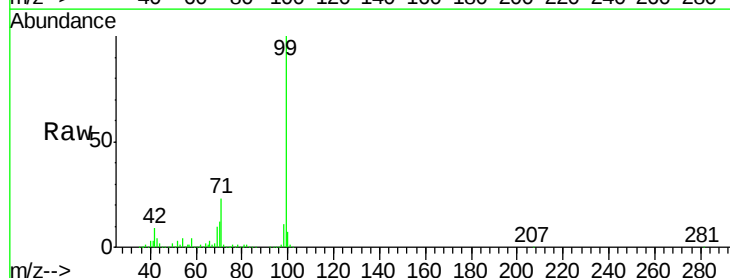
Tgt Ion: 94 Resp: 975

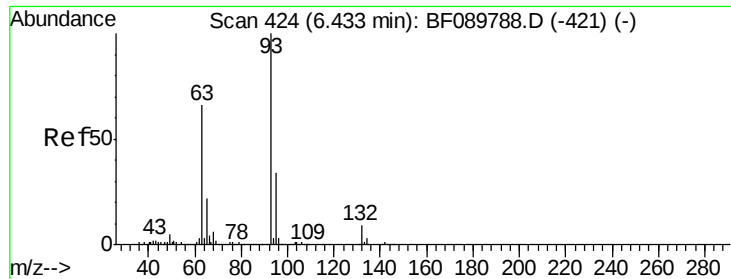
Ion Ratio Lower Upper

94 100

65 1814.0 14.0 54.0#

66 8941.4 31.2 71.2#

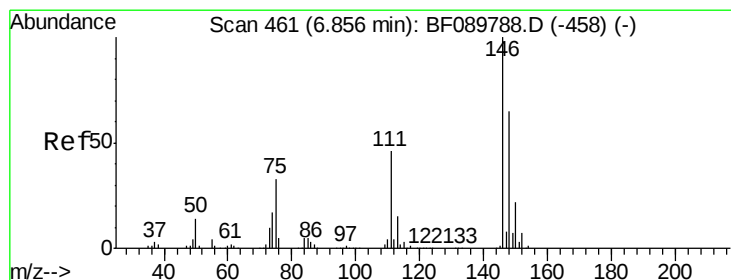
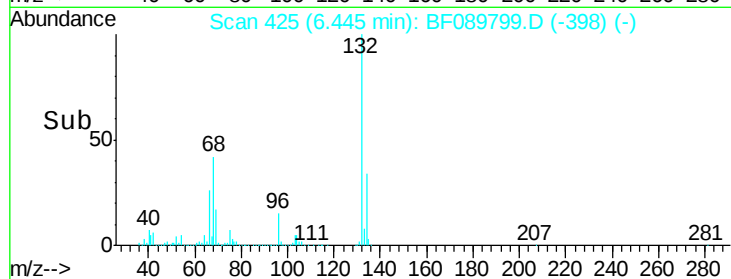
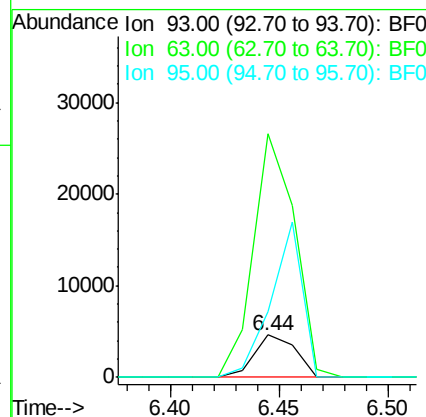
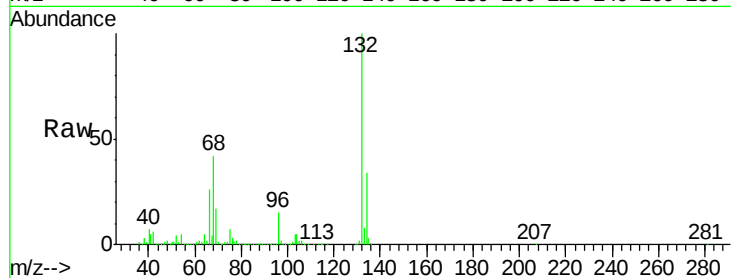




#11
bis(2-Chloroethyl)ether
Concen: 0.17 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.01 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

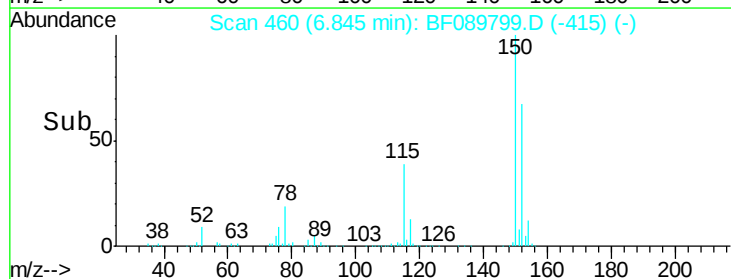
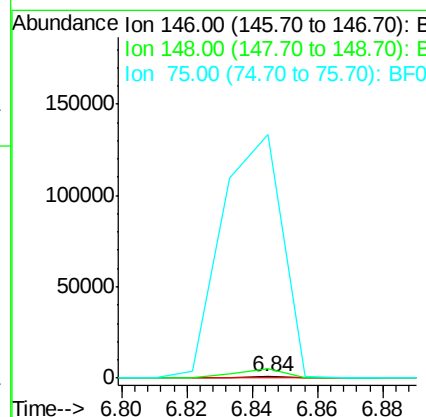
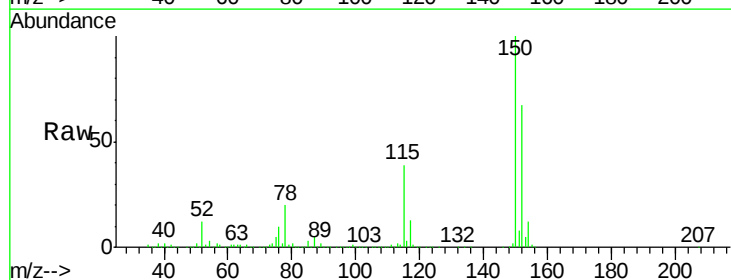
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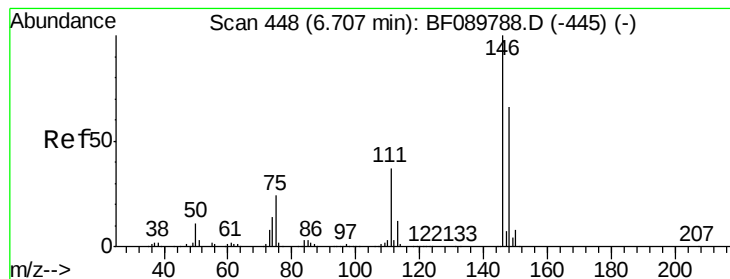
Tgt Ion: 93 Resp: 6171
Ion Ratio Lower Upper
93 100
63 575.0 55.8 95.8#
95 156.5 13.0 53.0#



#12
1,3-Dichlorobenzene
Concen: 0.01 ng
RT: 6.84 min Scan# 460
Delta R.T. 0.22 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion: 146 Resp: 619
Ion Ratio Lower Upper
146 100
148 820.2 51.0 76.4#
75 22218.7 27.0 40.6#





#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

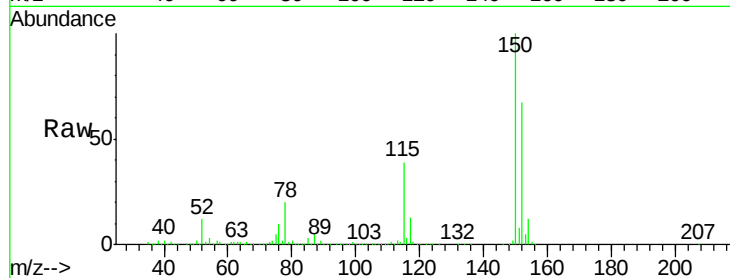
Tgt Ion:146 Resp: 619

Ion Ratio Lower Upper

146 100

148 820.2 51.0 76.6#

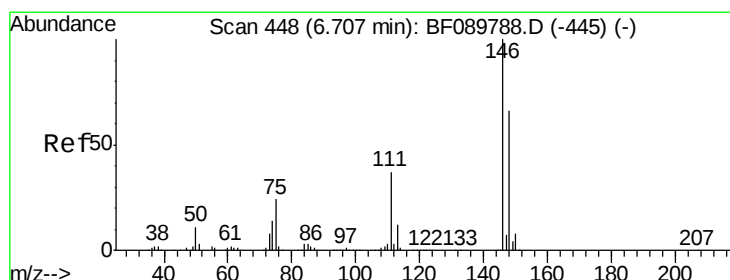
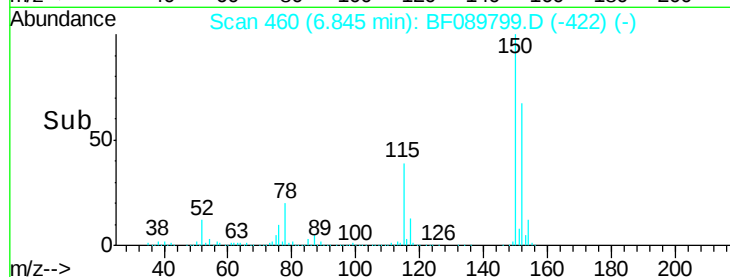
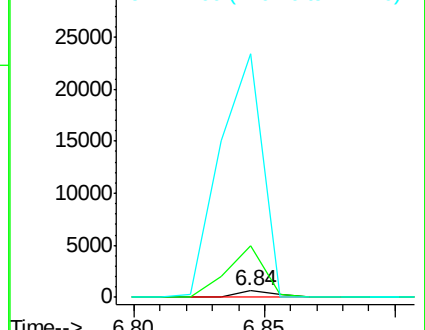
111 3898.7 34.6 52.0#



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: 0.02 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

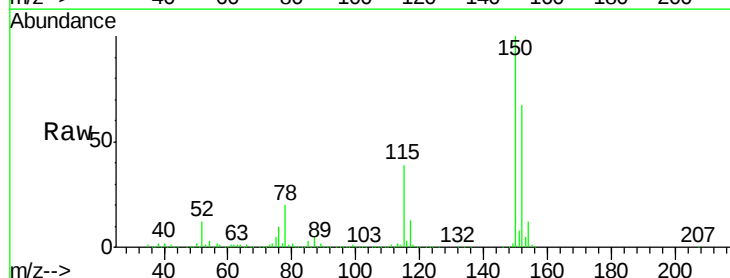
Tgt Ion:146 Resp: 619

Ion Ratio Lower Upper

146 100

148 820.2 52.2 78.2#

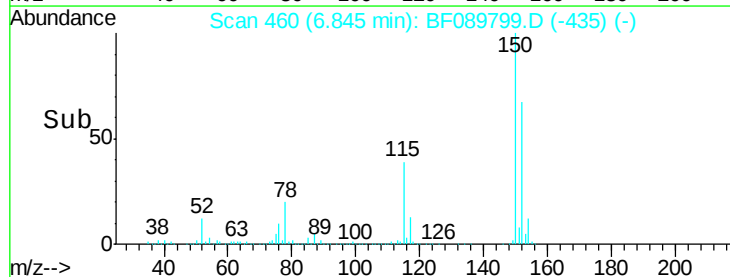
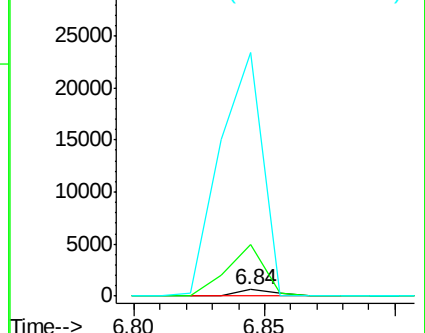
111 3898.7 29.8 44.6#

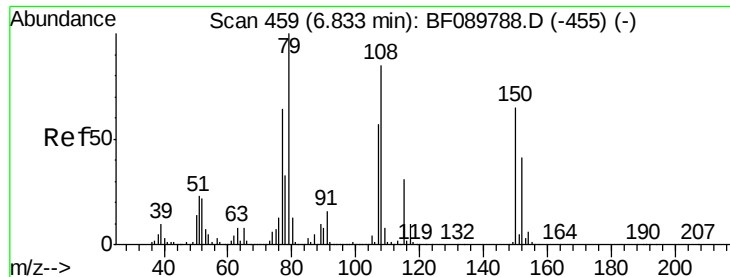


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.76 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampled :

PB92924BL

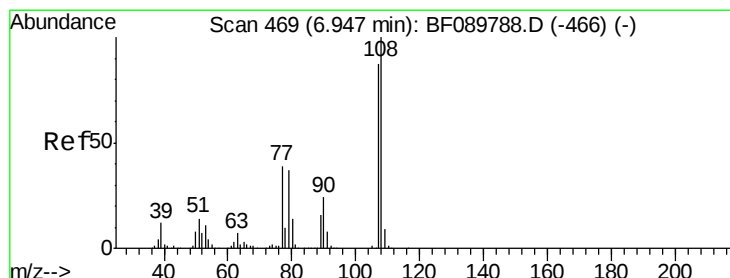
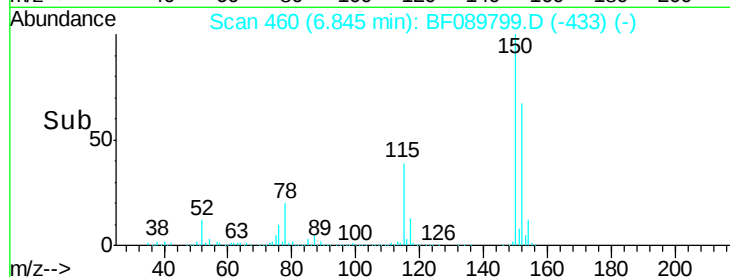
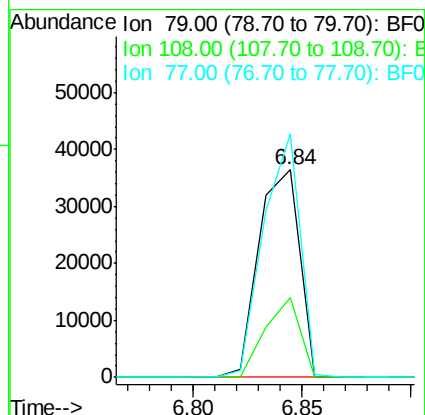
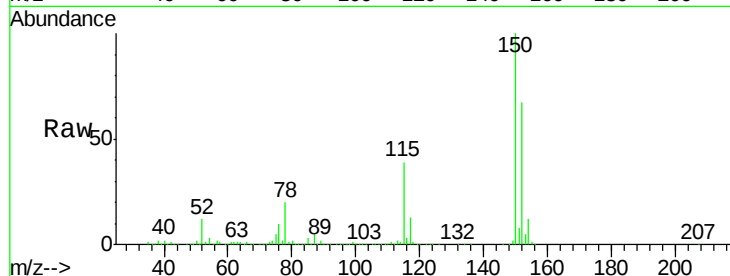
Tgt Ion: 79 Resp: 47825

Ion Ratio Lower Upper

79 100

108 38.3 62.5 93.7#

77 117.2 51.5 77.3#



#17

2-Methylphenol

Concen: 0.01 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.10 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Tgt Ion: 107 Resp: 390

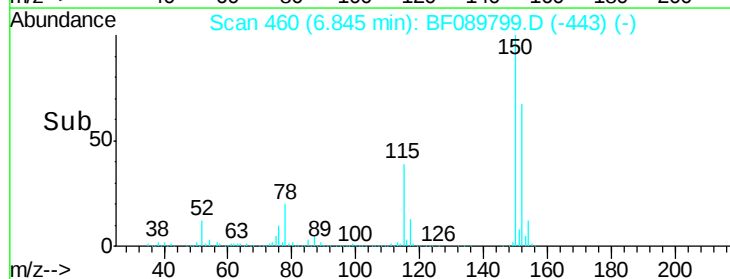
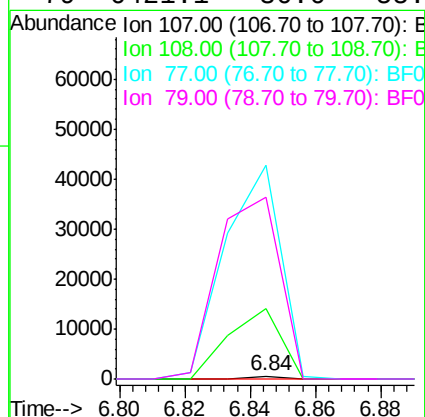
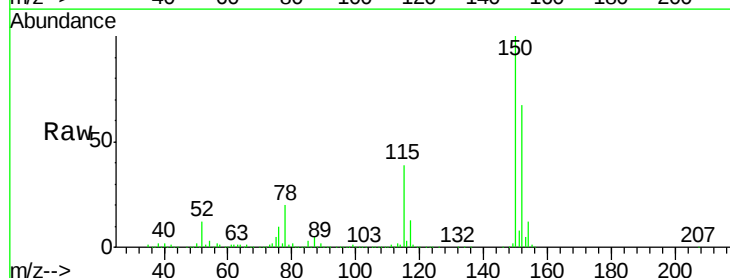
Ion Ratio Lower Upper

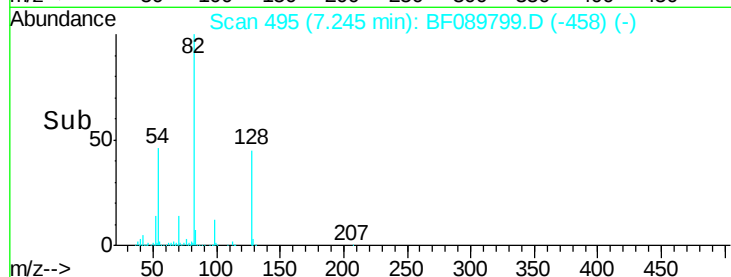
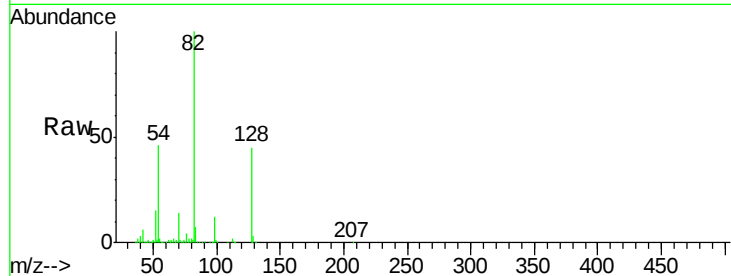
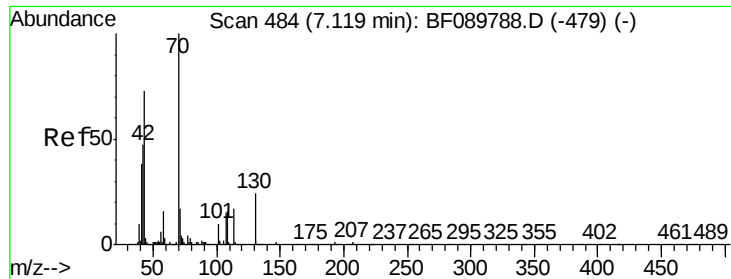
107 100

108 2460.7 91.0 136.4#

77 7528.2 37.4 56.0#

79 6421.1 36.6 55.0#

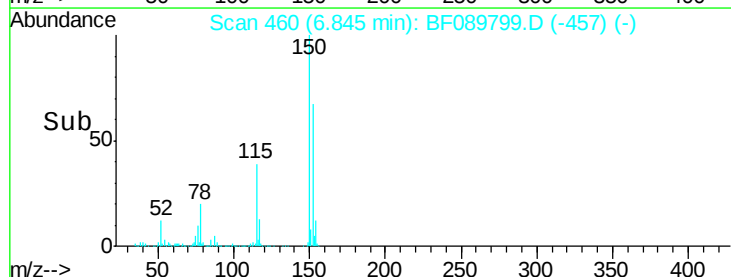
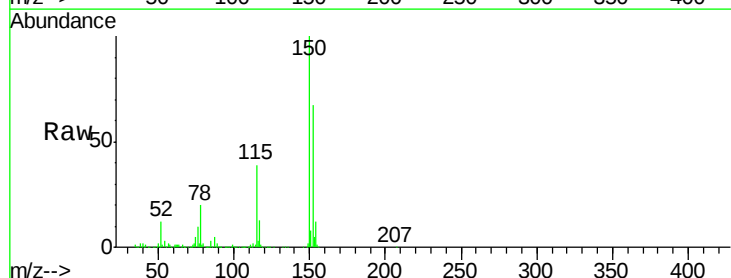
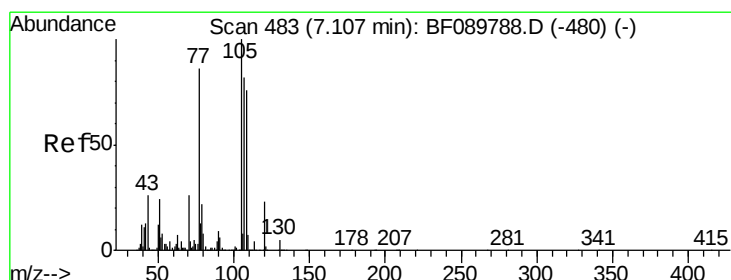
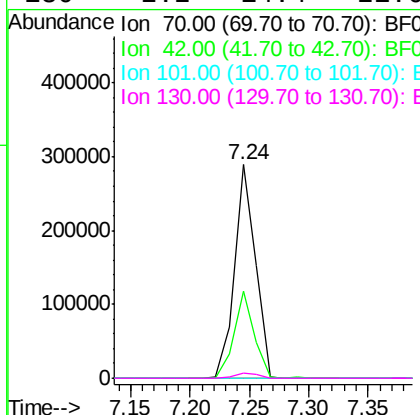




#19
n-Nitroso-di-n-propylamine
Concen: 13.47 ng
RT: 7.24 min Scan# 495
Delta R.T. 0.13 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

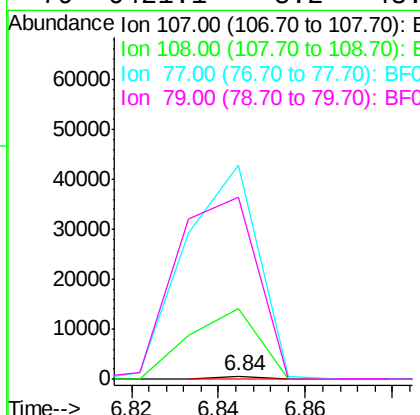
Instrument :
BNA_F
ClientSampleId :
PB92924BL

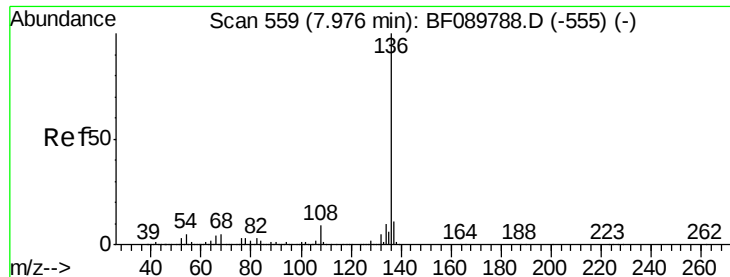
Tgt Ion	Ratio	Lower	Upper
70	100		
42	40.6	46.3	69.5#
101	0.0	7.0	10.6#
130	2.2	14.4	21.6#



#20
3+4-Methylphenols
Concen: 0.01 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.26 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	2460.7	68.2	108.2#
77	7528.2	122.3	162.3#
79	6421.1	8.2	48.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

Tgt Ion:136 Resp: 2070125

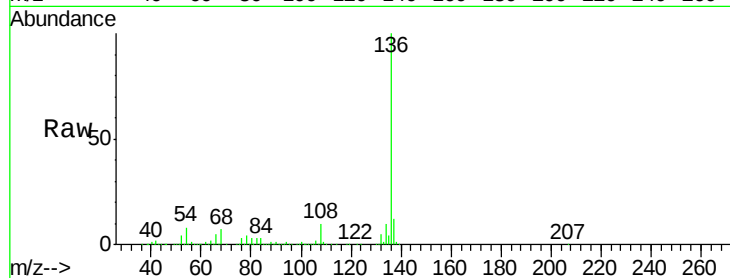
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 7.6 7.2 10.8

68 6.7 5.8 8.8

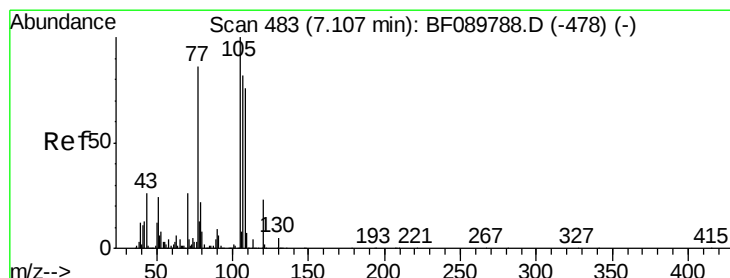
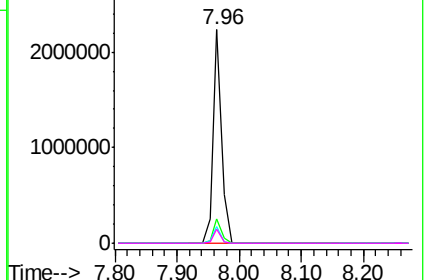
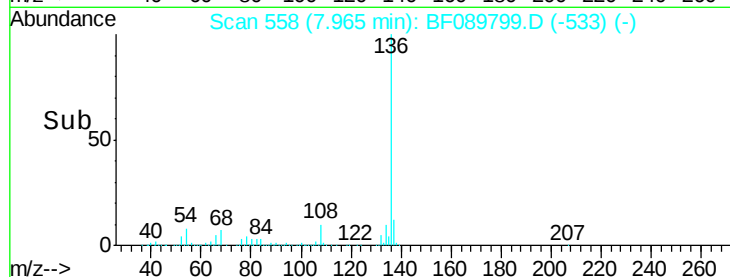


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.01 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Tgt Ion:105 Resp: 260

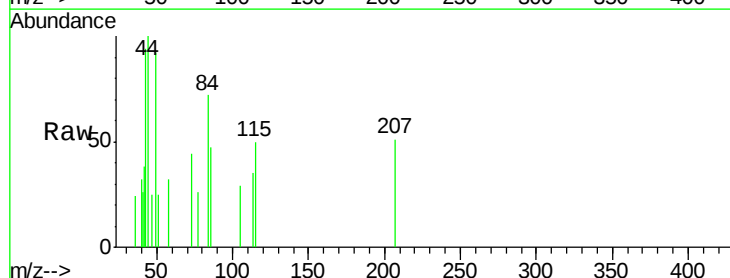
Ion Ratio Lower Upper

105 100

71 0.0 1.9 2.9#

51 87.1 28.5 42.7#

120 0.0 16.6 25.0#

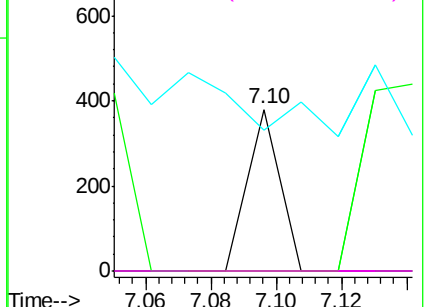
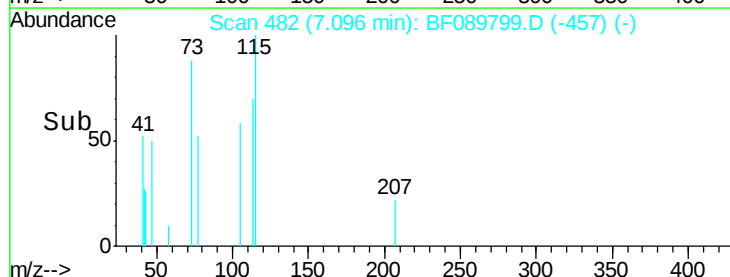


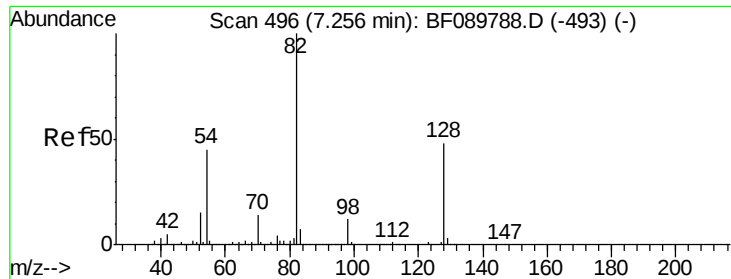
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

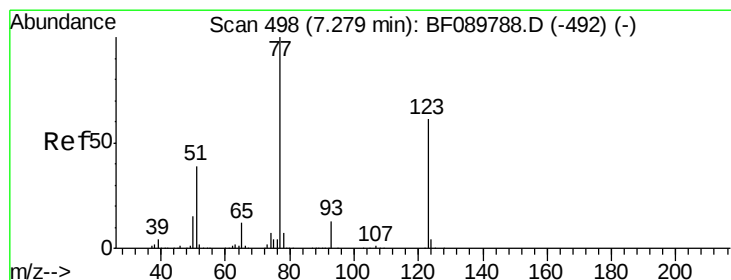
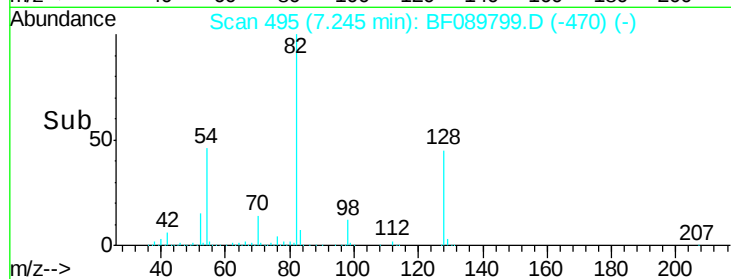
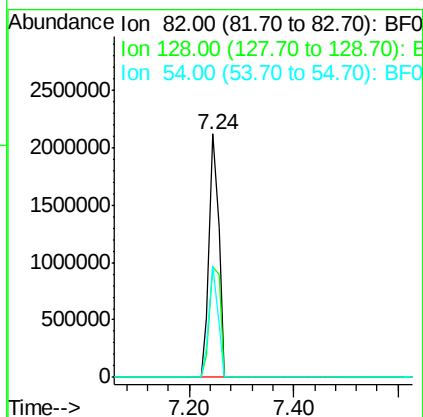
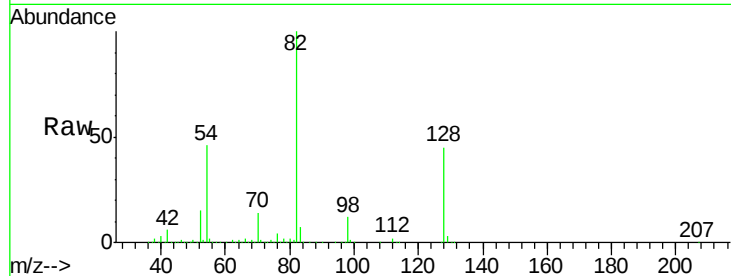




#23
 Nitrobenzene-d5
 Concen: 81.92 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

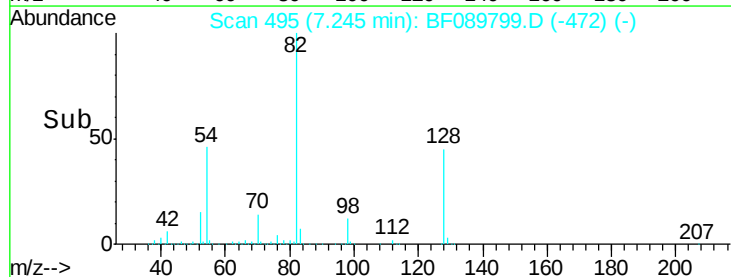
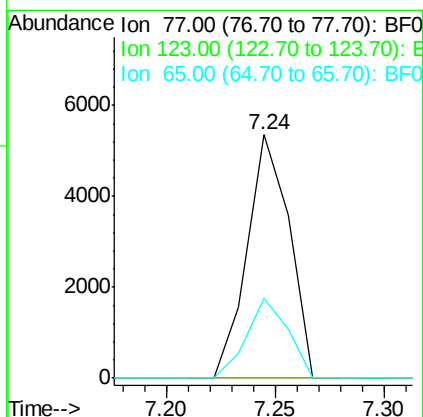
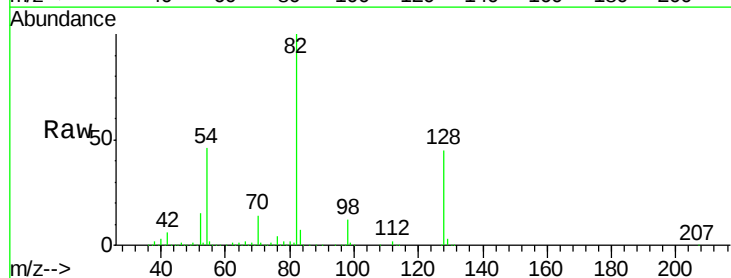
Instrument :
 BNA_F
 ClientSampled :
 PB92924BL

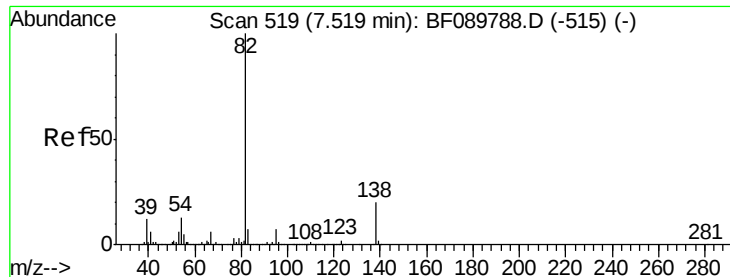
Tgt Ion: 82 Resp: 2729775
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.4 51.6
 54 45.9 40.3 60.5



#24
 Nitrobenzene
 Concen: 0.19 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion: 77 Resp: 7224
 Ion Ratio Lower Upper
 77 100
 123 0.0 36.2 54.2#
 65 32.7 10.6 15.8#





#25

Isophorone

Concen: 35.19 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.27 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampled :

PB92924BL

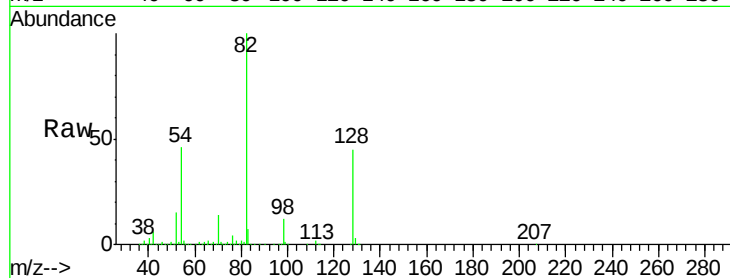
Tgt Ion: 82 Resp: 2364693

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

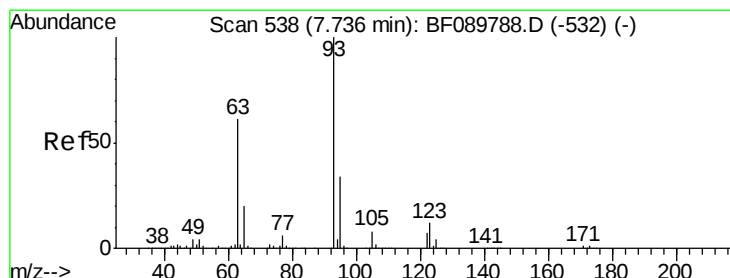
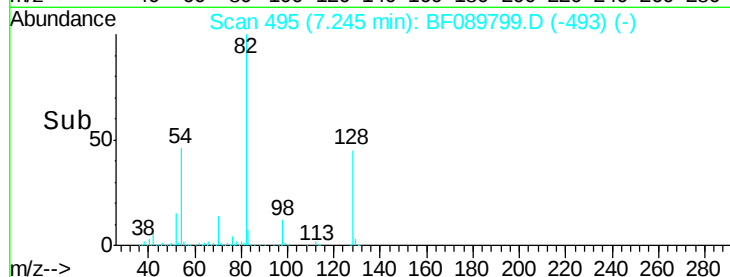
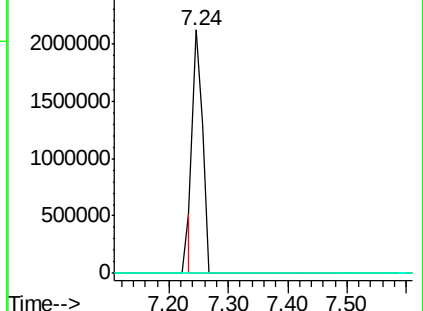
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.01 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.23 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

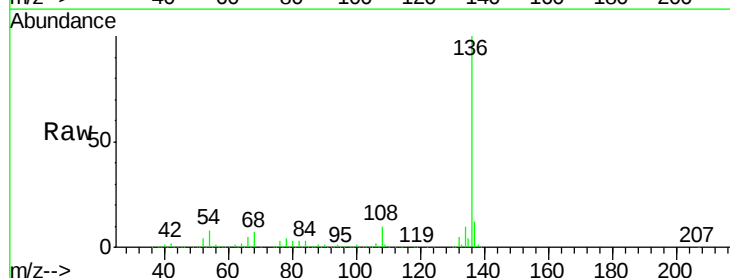
Tgt Ion: 93 Resp: 277

Ion Ratio Lower Upper

93 100

95 325.7 25.5 38.3#

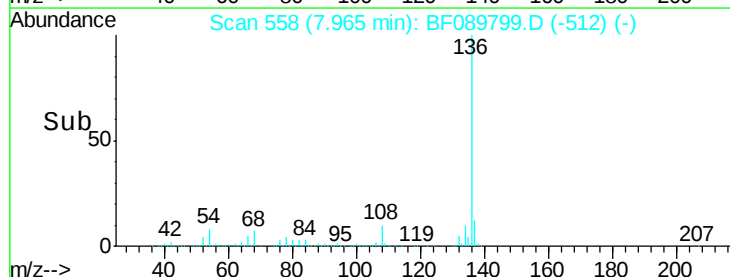
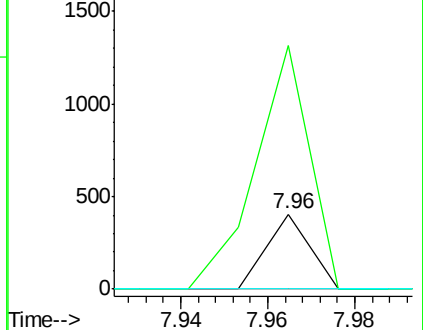
123 0.0 8.5 12.7#

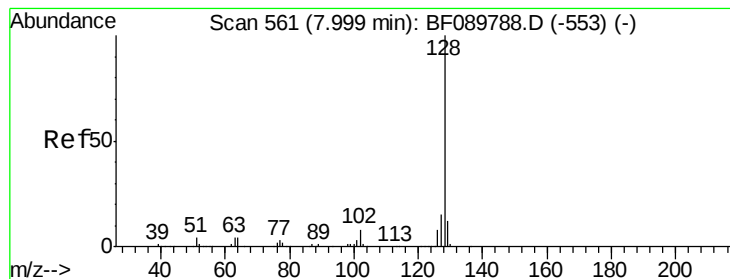


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#31

Naphthalene

Concen: 0.01 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

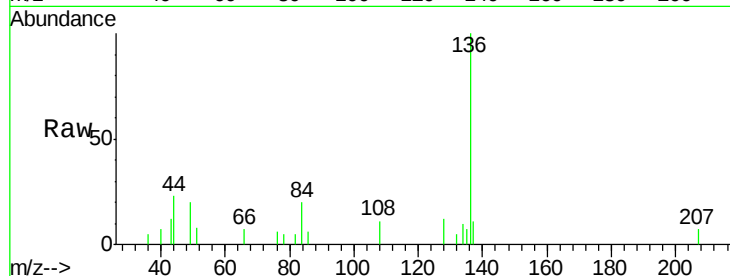
Tgt Ion:128 Resp: 710

Ion Ratio Lower Upper

128 100

129 0.0 9.5 14.3#

127 0.0 11.3 16.9#



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

7.99

600

400

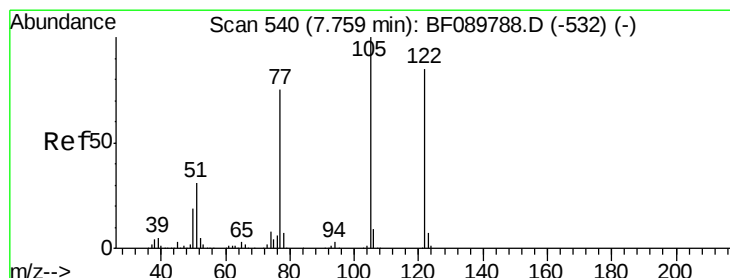
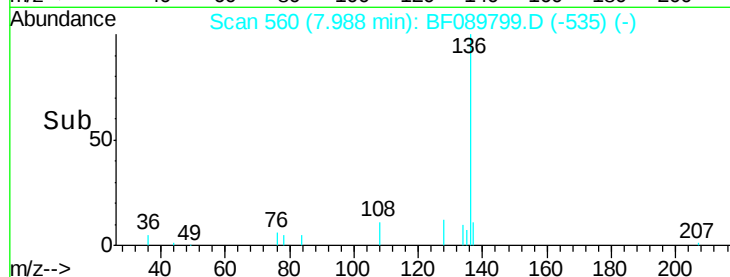
200

0

7.95

8.00

Time-->



#32

Benzoic acid

Concen: 0.01 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.21 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

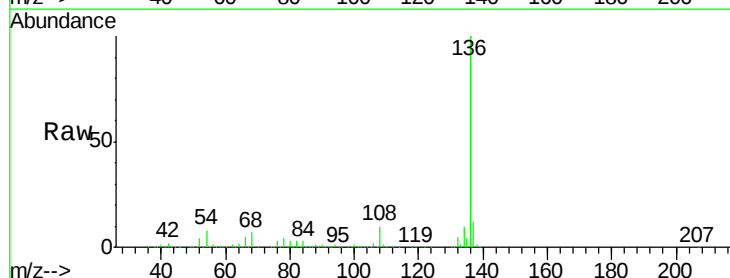
Tgt Ion:122 Resp: 355

Ion Ratio Lower Upper

122 100

105 318.3 100.8 140.8#

77 1189.6 72.1 112.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

7.96

6000

4000

2000

0

7.92

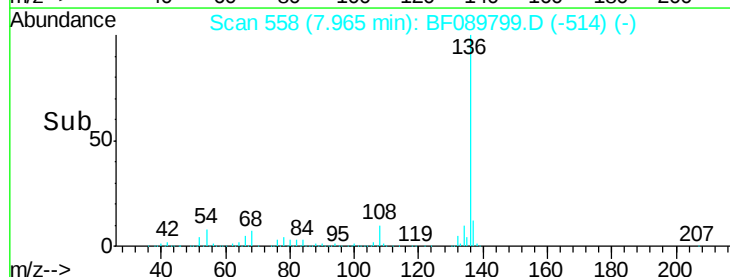
7.94

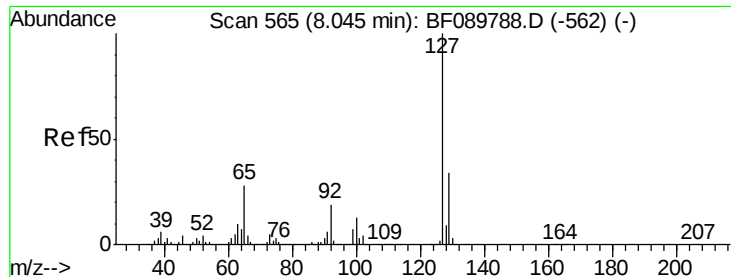
7.96

7.98

8.00

Time-->

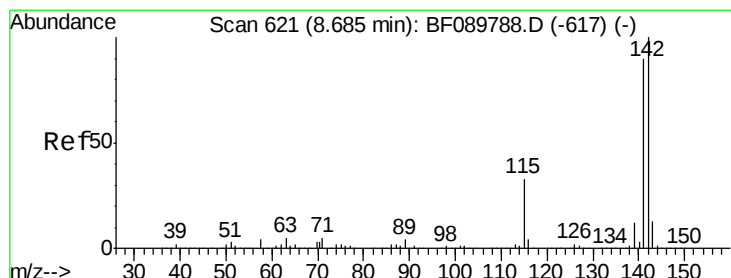
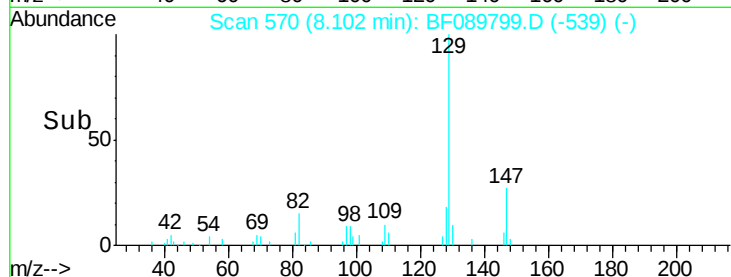
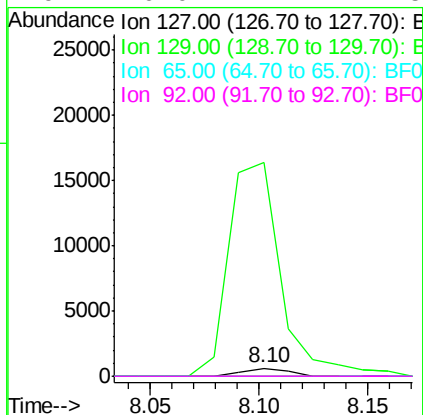
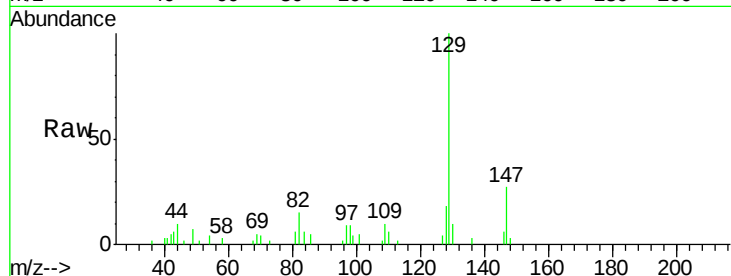




#33
 4-Chloroaniline
 Concen: 0.02 ng
 RT: 8.10 min Scan# 570
 Delta R.T. 0.06 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

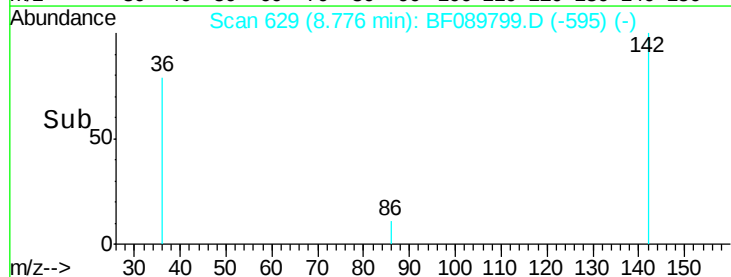
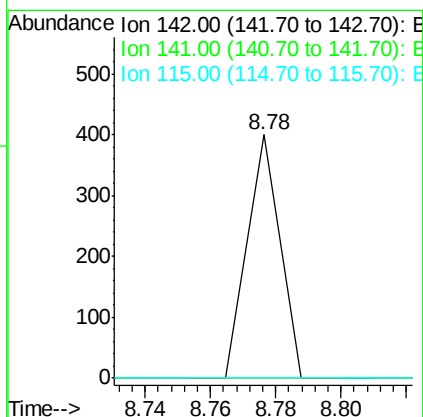
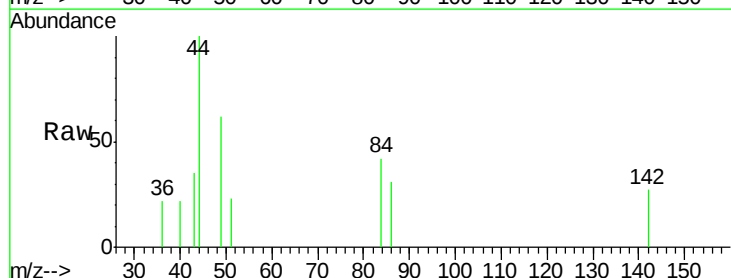
Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

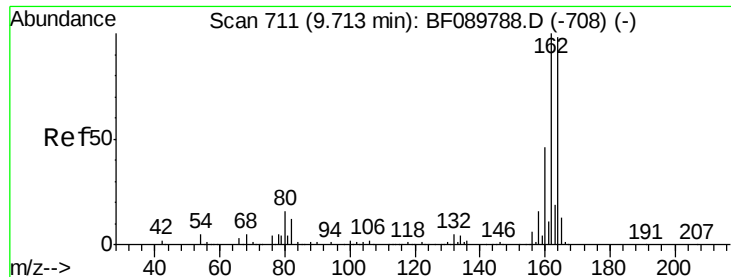
Tgt Ion:127 Resp: 904
 Ion Ratio Lower Upper
 127 100
 129 2674.8 27.0 40.6#
 65 0.0 14.7 22.1#
 92 0.0 11.7 17.5#



#37
 2-Methylnaphthalene
 Concen: 0.00 ng
 RT: 8.78 min Scan# 629
 Delta R.T. 0.09 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion:142 Resp: 274
 Ion Ratio Lower Upper
 142 100
 141 0.0 71.4 107.2#
 115 0.0 22.7 34.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

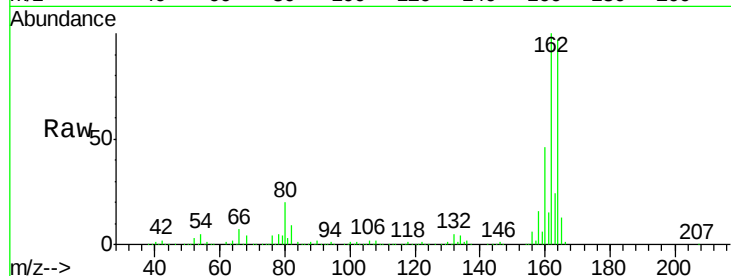
Tgt Ion:164 Resp: 1023198

Ion Ratio Lower Upper

164 100

162 103.4 81.4 122.2

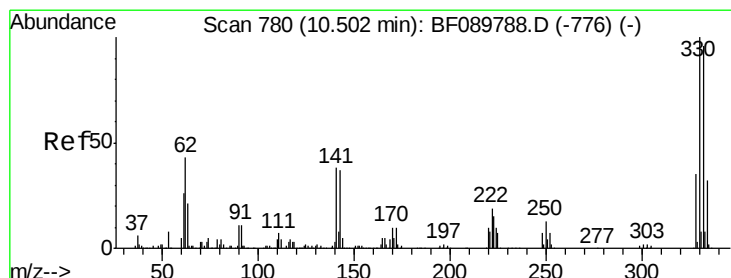
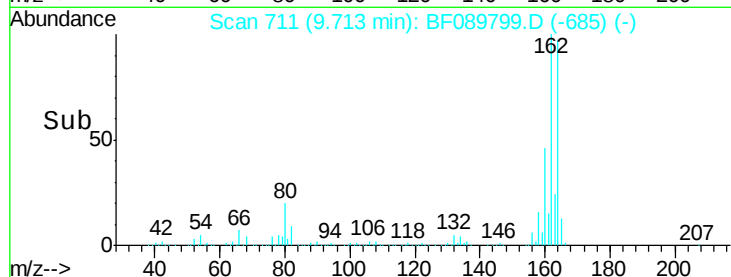
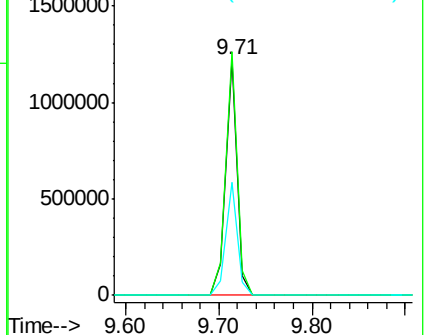
160 47.9 37.8 56.6



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: 113.01 ng

RT: 10.50 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

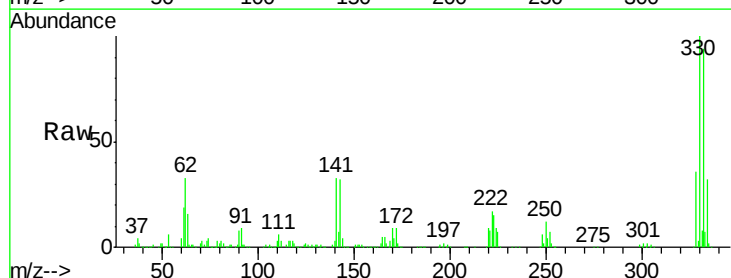
Tgt Ion:330 Resp: 1098886

Ion Ratio Lower Upper

330 100

332 94.3 76.7 115.1

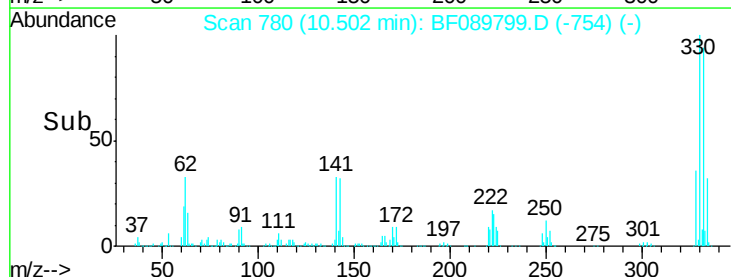
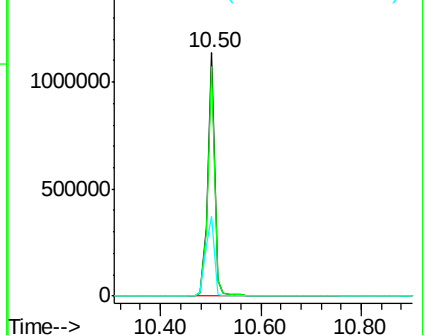
141 40.6 30.2 45.2

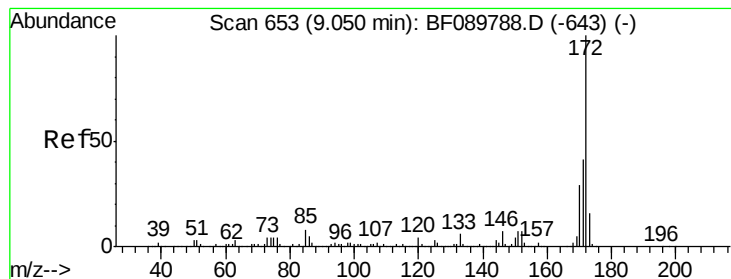


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

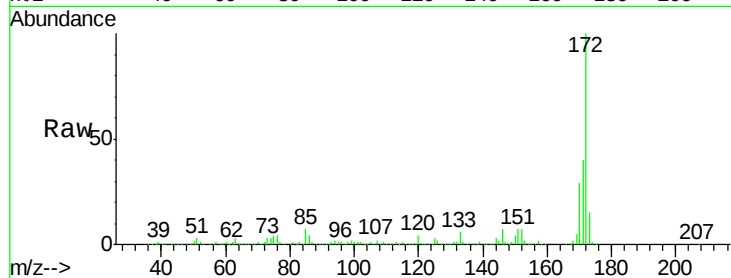




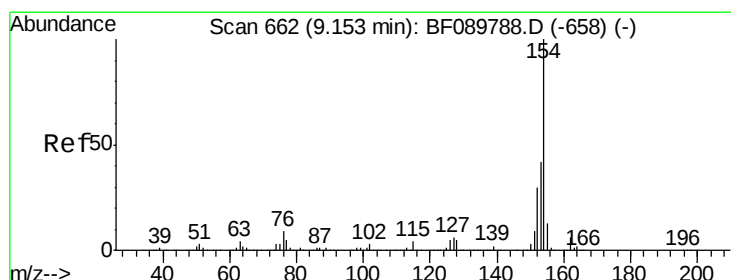
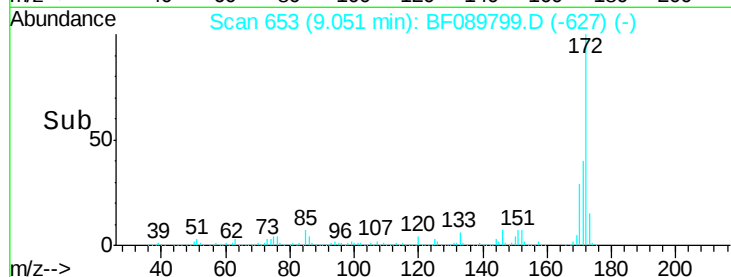
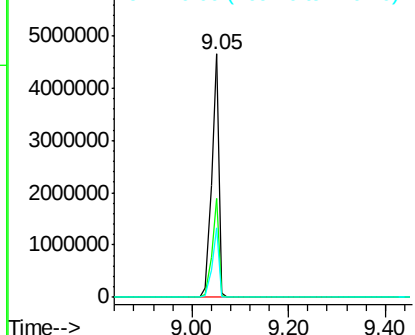
#44
 2-Fluorobiphenyl
 Concen: 83.51 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

Tgt Ion:172 Resp: 4861707
 Ion Ratio Lower Upper
 172 100
 171 40.5 30.5 45.7
 170 28.5 20.6 31.0

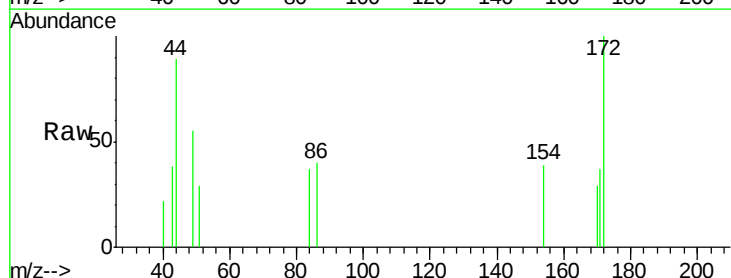


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

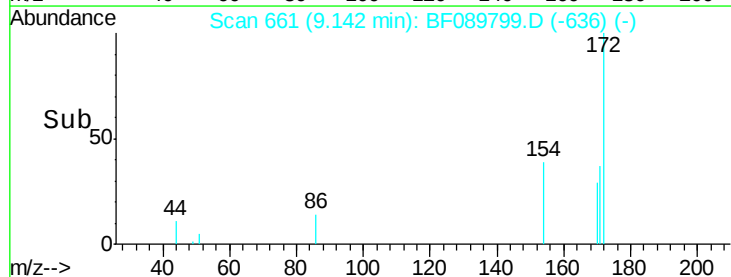
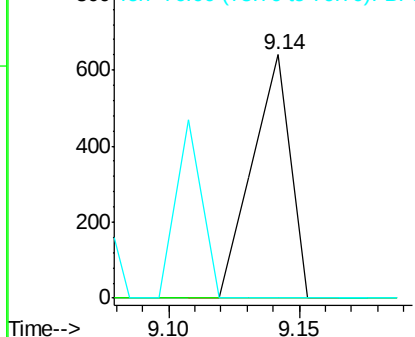


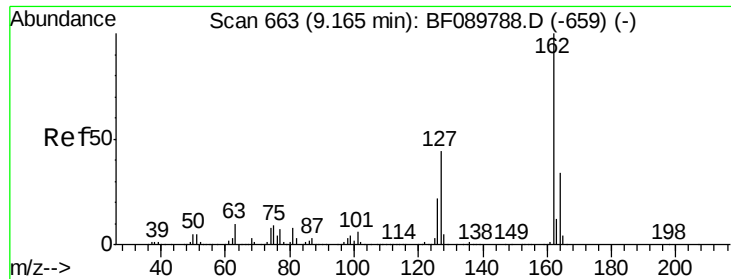
#45
 1,1'-Biphenyl
 Concen: 0.01 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion:154 Resp: 657
 Ion Ratio Lower Upper
 154 100
 153 0.0 21.5 61.5#
 76 0.0 0.0 36.7



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

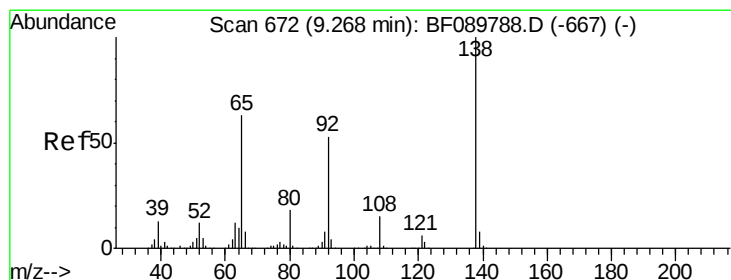
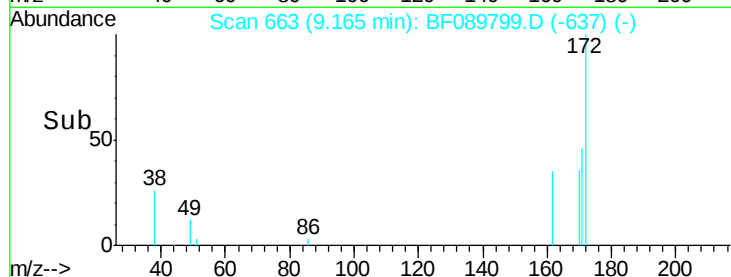
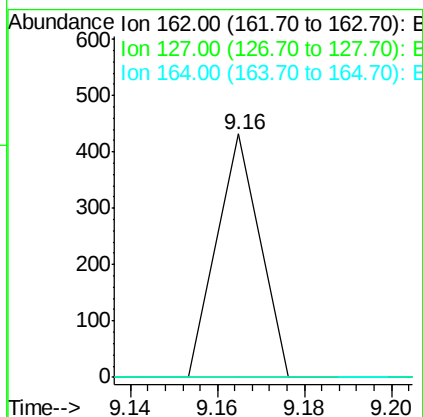
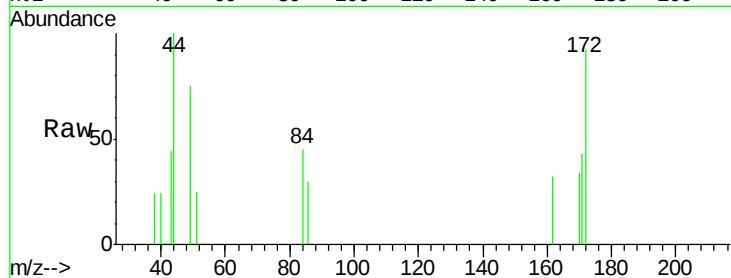




#46
 2-Chloronaphthalene
 Concen: 0.00 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

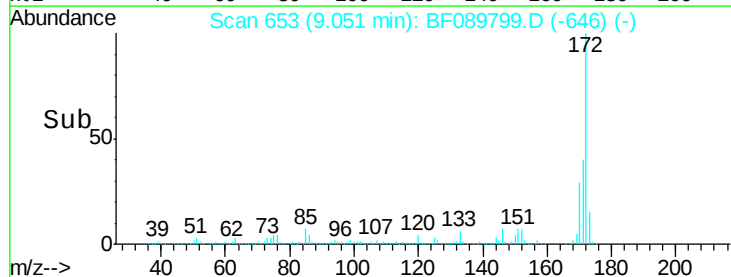
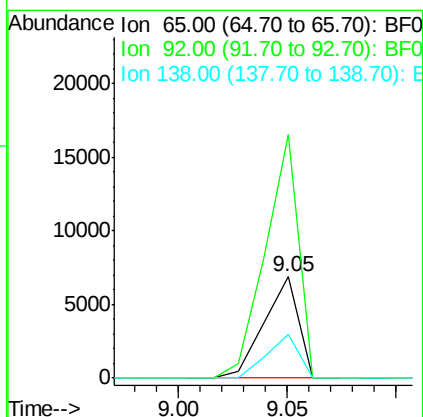
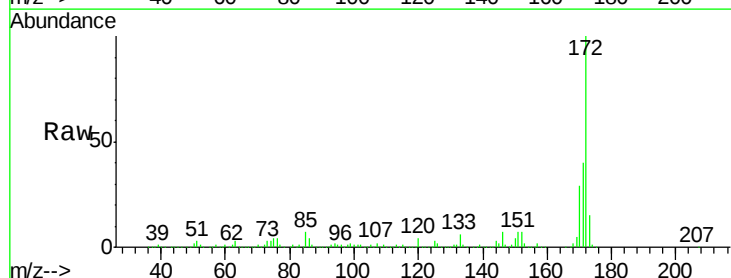
Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

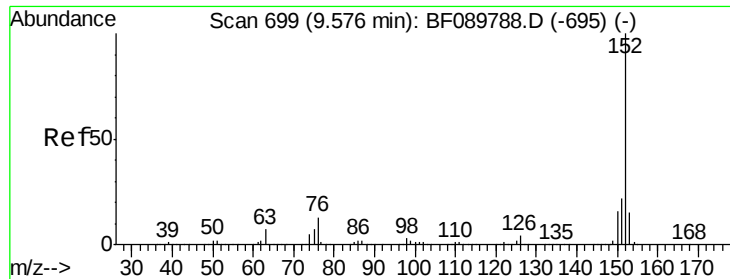
Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	35.5	53.3#
164	0.0	26.6	40.0#



#47
 2-Nitroaniline
 Concen: 0.42 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.22 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	240.6	56.3	84.5#
138	43.6	81.8	122.8#





#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

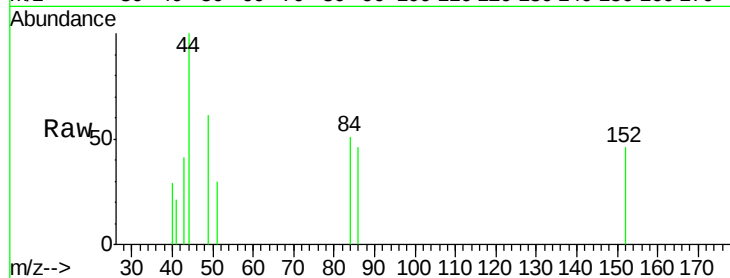
Tgt Ion:152 Resp: 792

Ion Ratio Lower Upper

152 100

151 0.0 17.1 25.7#

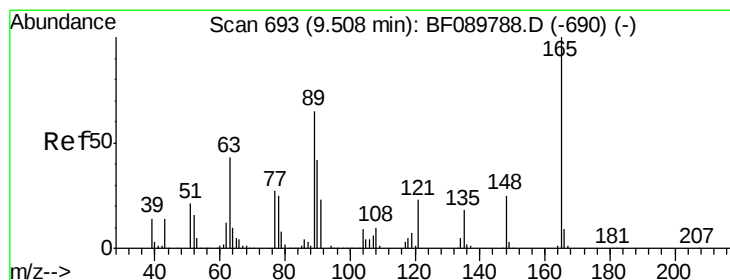
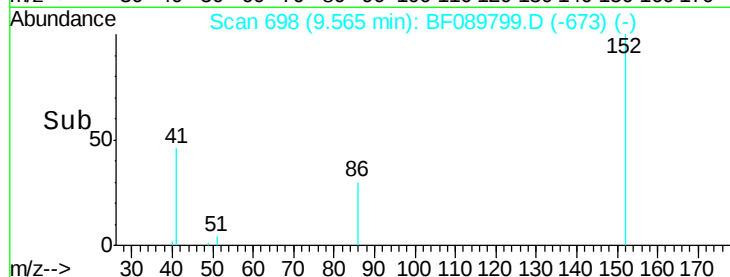
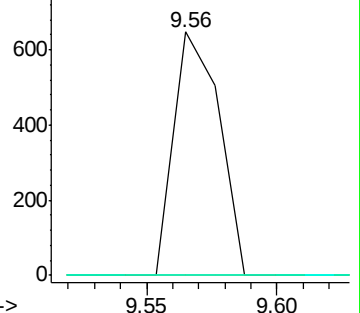
153 0.0 11.2 16.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.21 ng

RT: 9.71 min Scan# 711

Delta R.T. 0.21 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

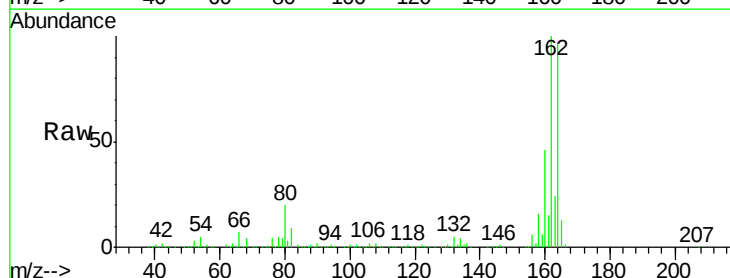
Tgt Ion:165 Resp: 136543

Ion Ratio Lower Upper

165 100

63 0.9 41.7 62.5#

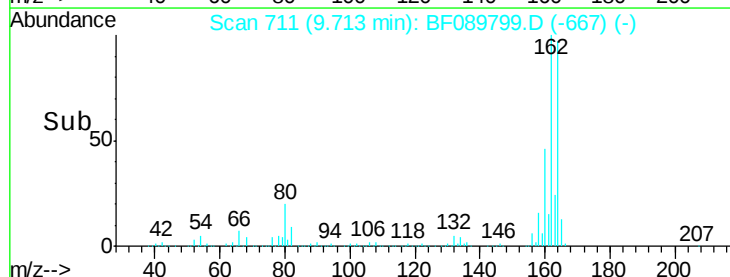
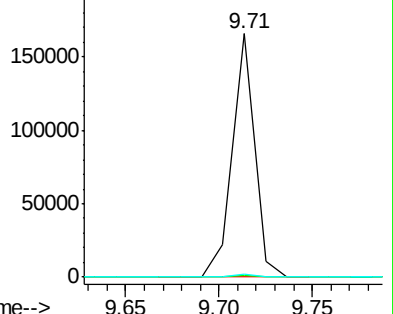
89 1.2 44.6 67.0#

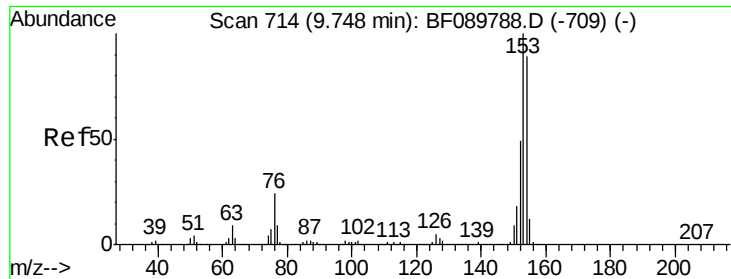


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.08 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

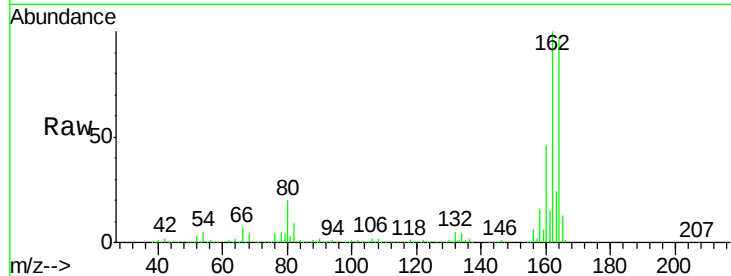
Tgt Ion:154 Resp: 4900

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

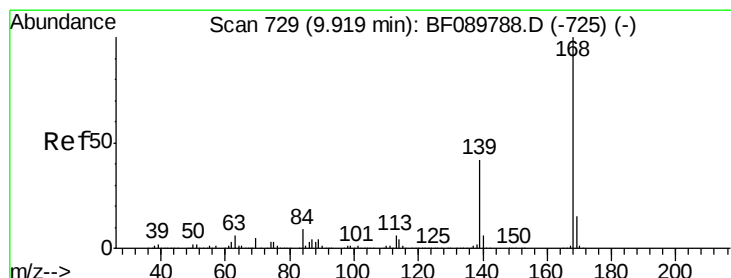
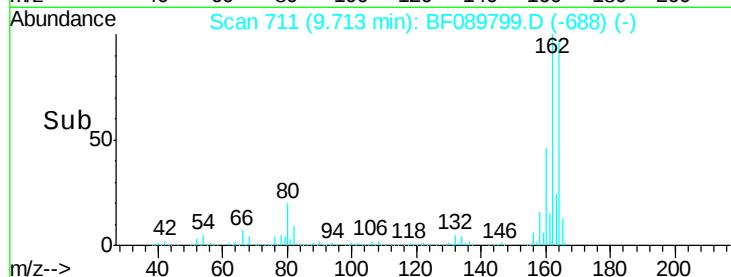
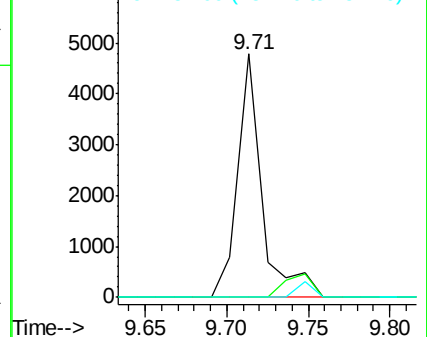
152 0.0 44.6 67.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.01 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

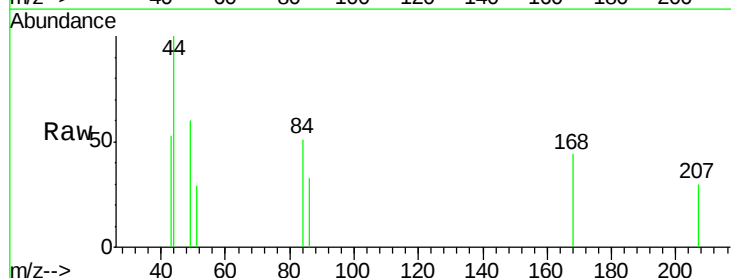
Tgt Ion:168 Resp: 862

Ion Ratio Lower Upper

168 100

139 0.0 34.6 52.0#

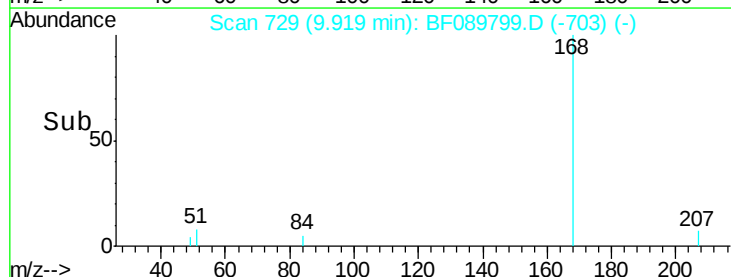
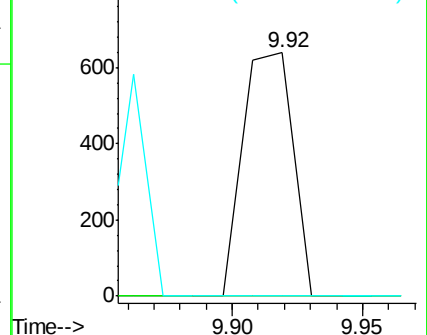
169 0.0 11.5 17.3#

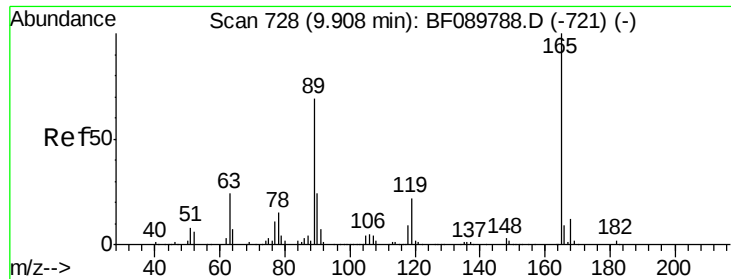


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

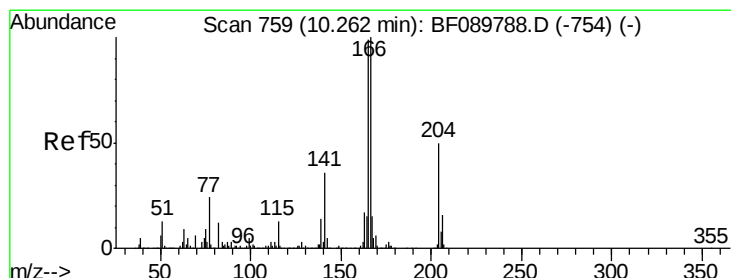
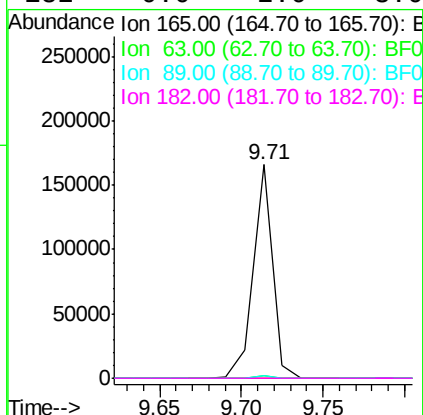
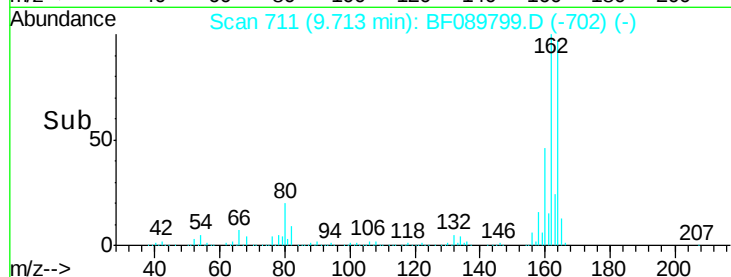
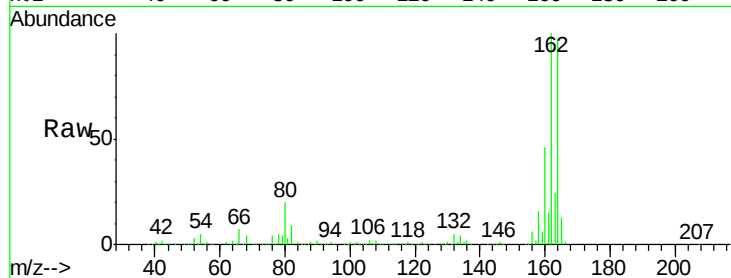




#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.19 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

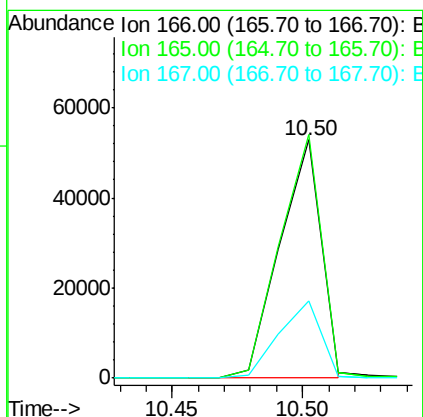
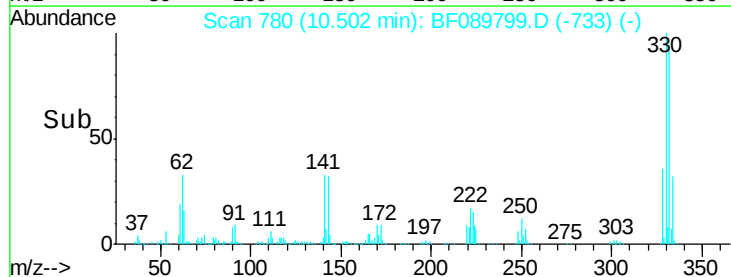
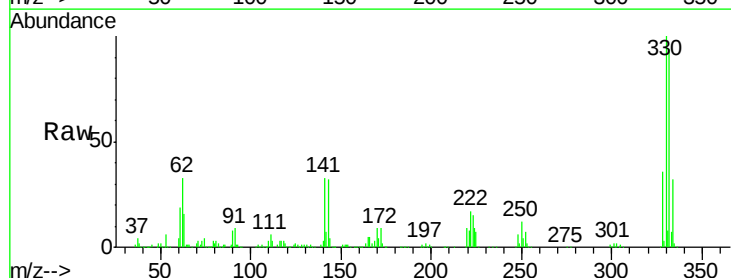
Instrument :
BNA_F
ClientSampleId :
PB92924BL

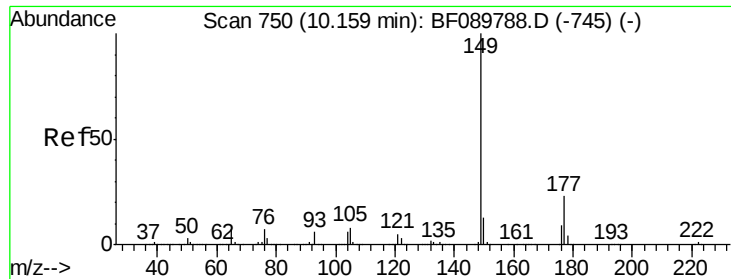
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	23.7	35.5#
89	1.2	44.0	66.0#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: 0.93 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.24 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	80.2	120.4
167	32.3	11.3	16.9#

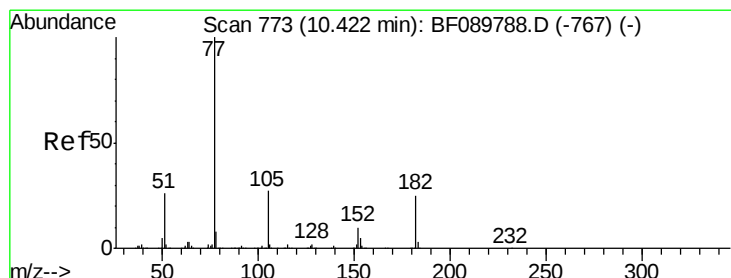
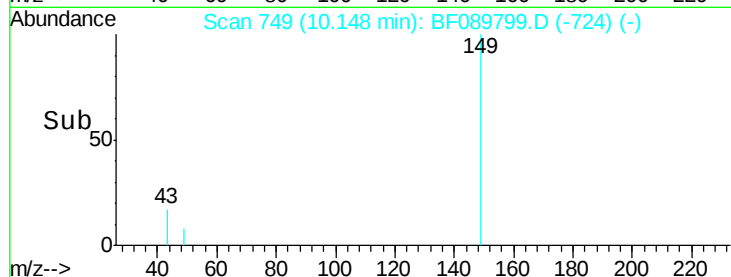
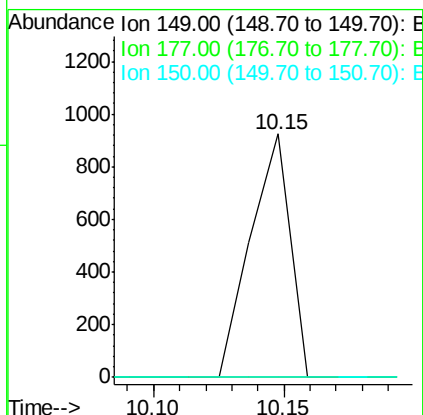
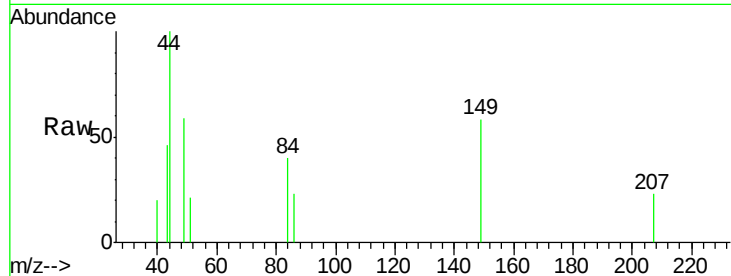




#59
Diethylphthalate
Concen: 0.01 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

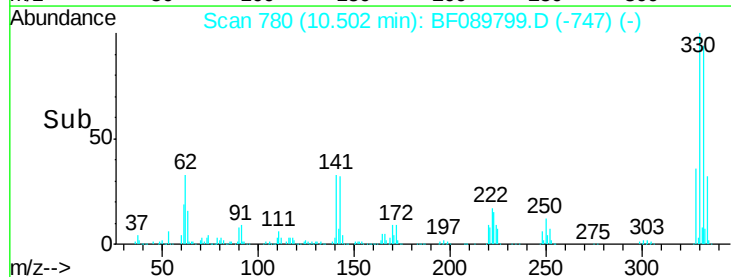
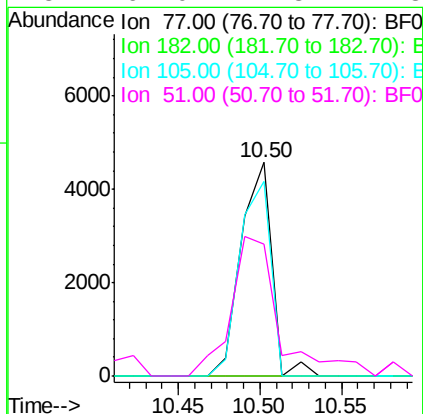
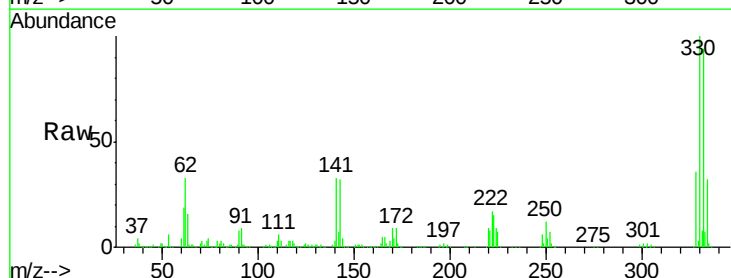
Instrument :
BNA_F
ClientSampleId :
PB92924BL

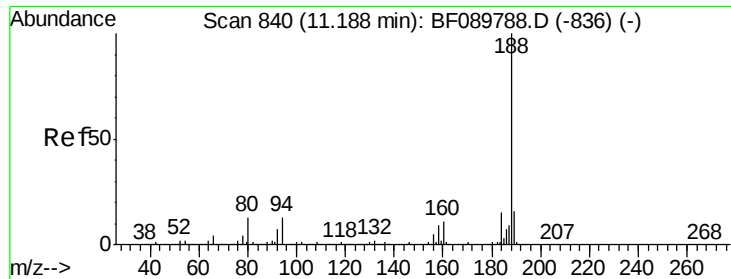
Tgt Ion: 149 Resp: 984
Ion Ratio Lower Upper
149 100
177 0.0 16.6 25.0#
150 0.0 10.5 15.7#



#62
Azobenzene
Concen: 0.09 ng
RT: 10.50 min Scan# 780
Delta R.T. 0.08 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion: 77 Resp: 5967
Ion Ratio Lower Upper
77 100
182 0.0 5.6 45.6#
105 91.0 4.0 44.0#
51 62.0 7.8 47.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

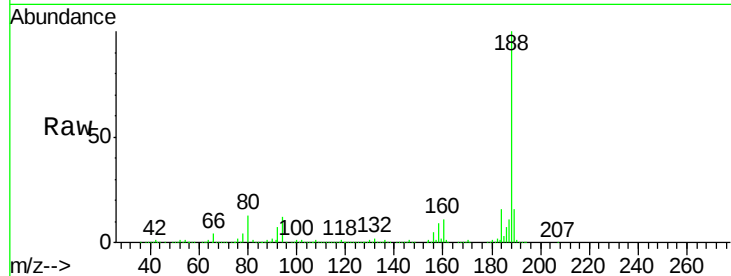
Tgt Ion:188 Resp: 1771958

Ion Ratio Lower Upper

188 100

94 12.0 10.2 15.2

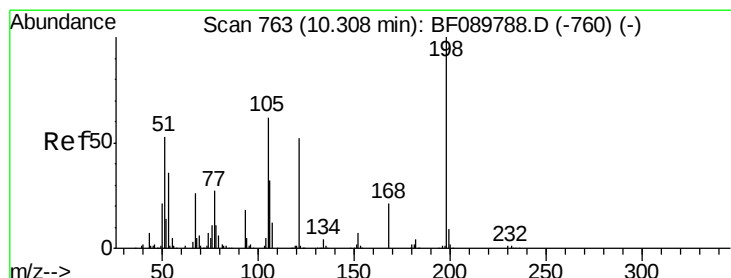
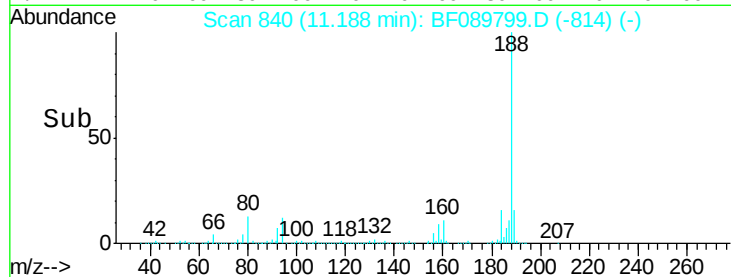
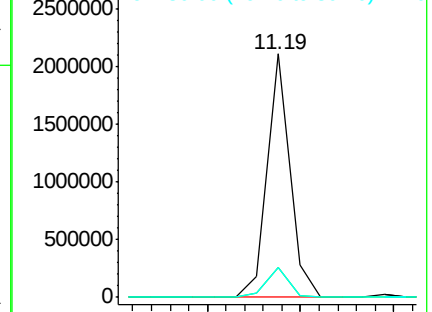
80 12.5 10.9 16.3



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: 0.25 ng

RT: 10.50 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

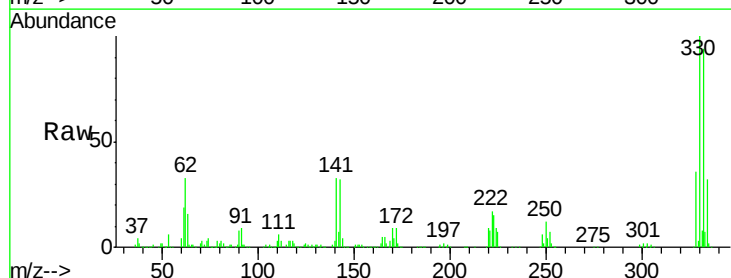
Tgt Ion:198 Resp: 2524

Ion Ratio Lower Upper

198 100

51 111.3 32.3 72.3#

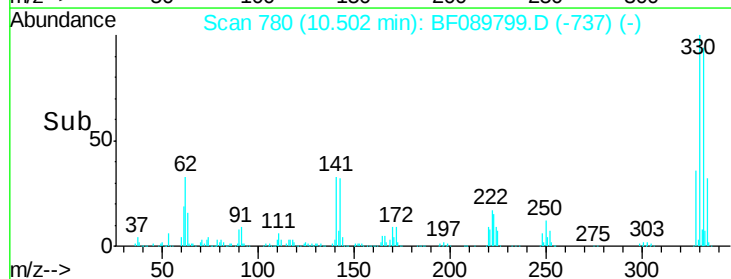
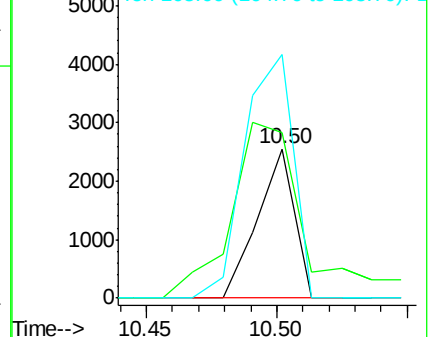
105 163.3 32.9 72.9#

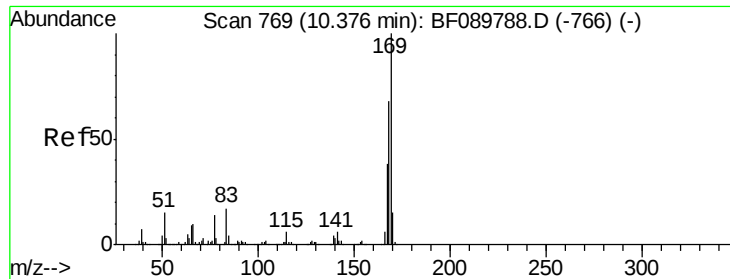


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 0.71 ng

RT: 10.50 min Scan# 780

Delta R.T. 0.13 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

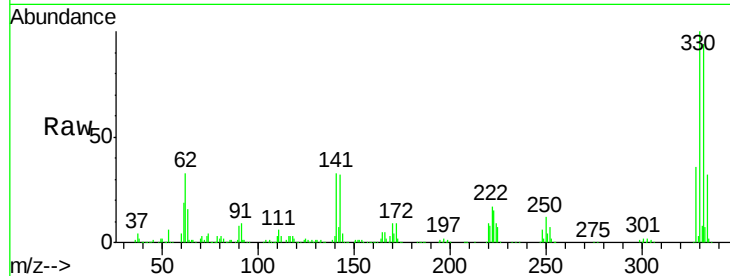
Tgt Ion:169 Resp: 39765

Ion Ratio Lower Upper

169 100

168 8.0 54.6 82.0#

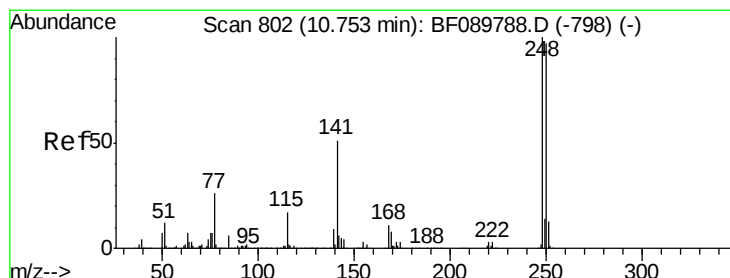
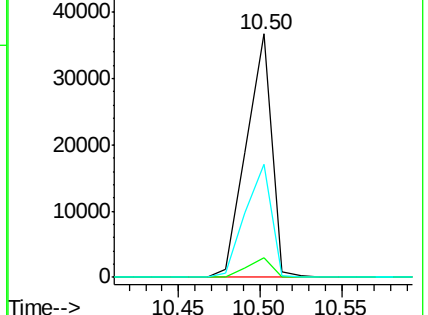
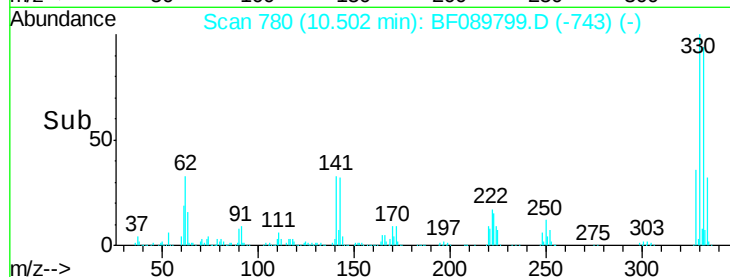
167 46.5 30.6 45.8#



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: 3.79 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.25 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

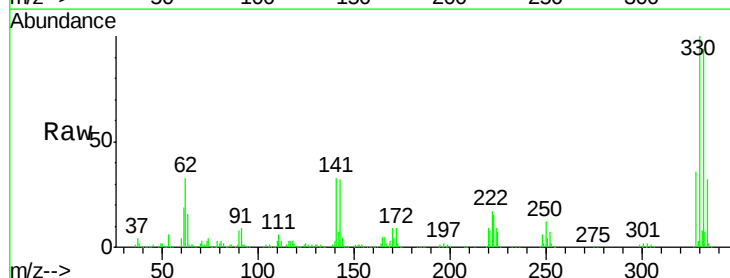
Tgt Ion:248 Resp: 70497

Ion Ratio Lower Upper

248 100

250 196.6 78.6 117.8#

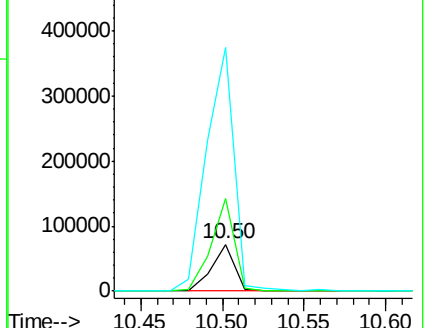
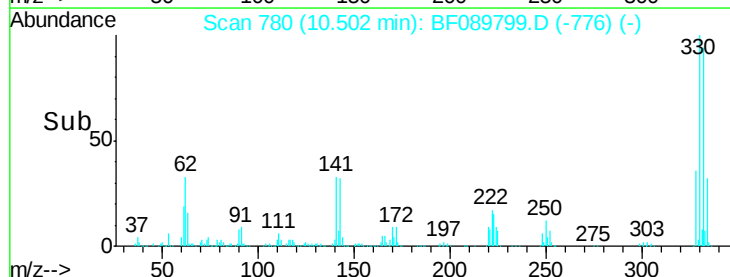
141 519.9 31.4 47.2#

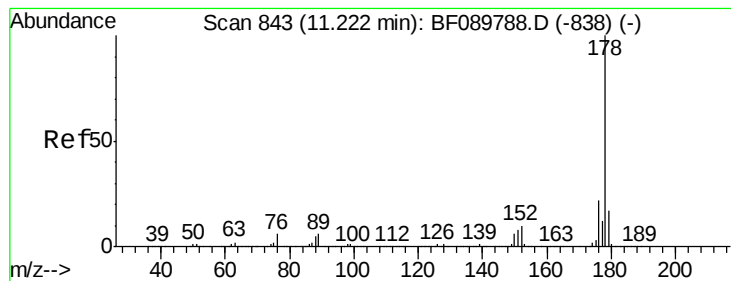


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 0.02 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

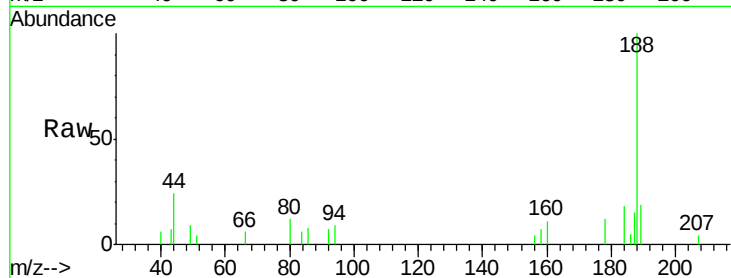
Tgt Ion:178 Resp: 1505

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

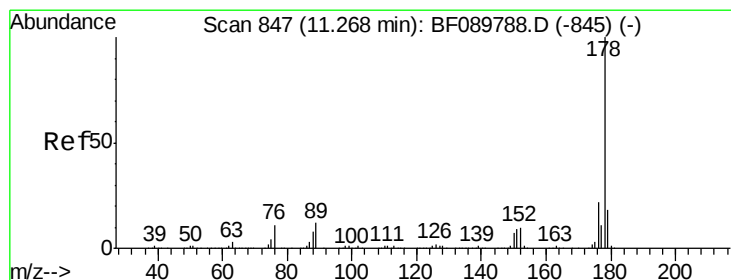
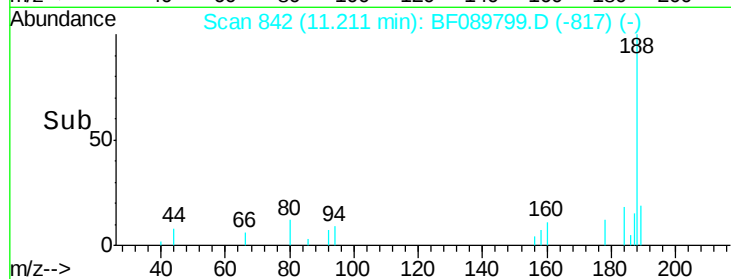
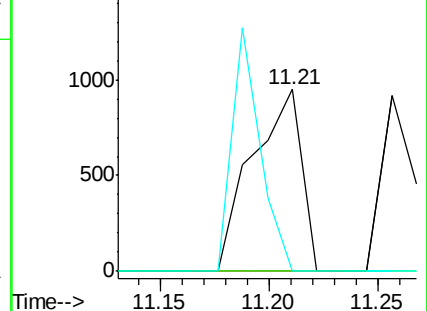
179 0.0 12.5 18.7#



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: 11.26 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

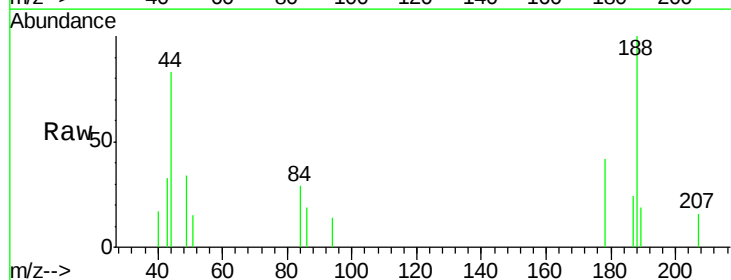
Tgt Ion:178 Resp: 943

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

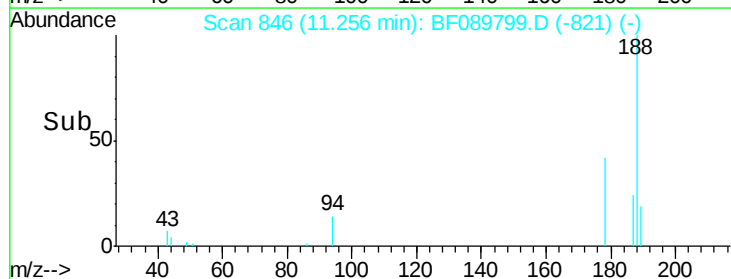
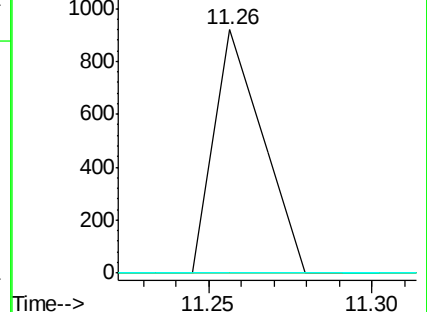
179 0.0 13.1 19.7#

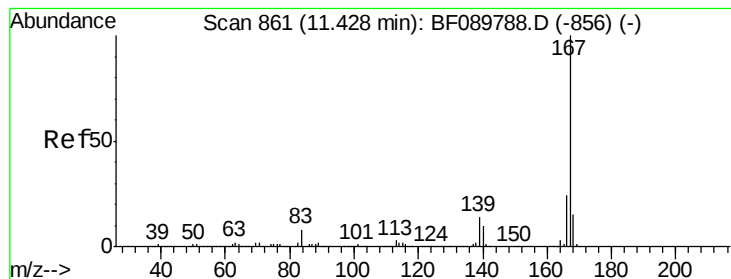


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.01 ng

RT: 11.42 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

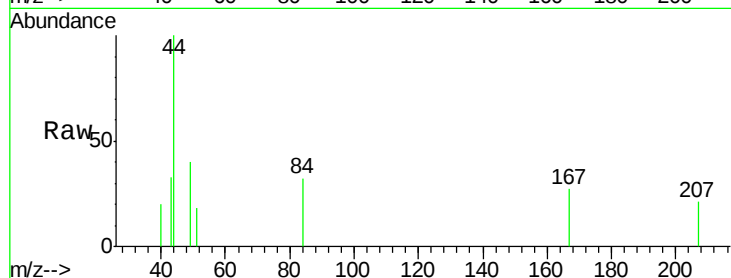
Tgt Ion:167 Resp: 589

Ion Ratio Lower Upper

167 100

166 0.0 17.9 26.9#

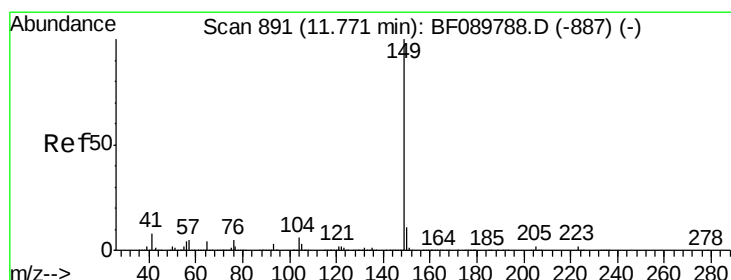
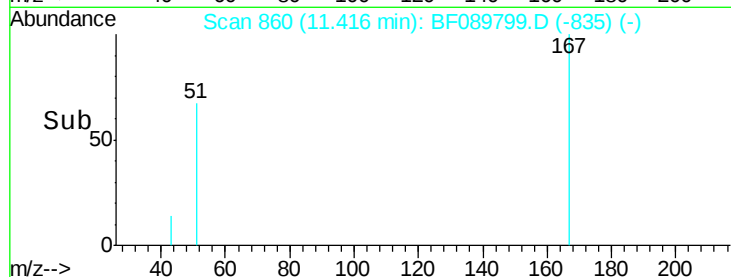
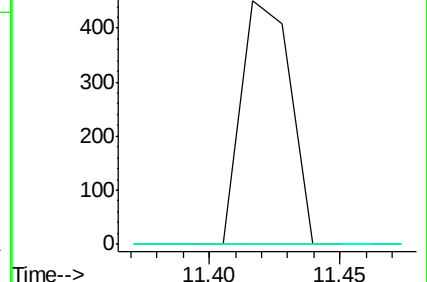
139 0.0 12.4 18.6#



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: 0.03 ng

RT: 11.77 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

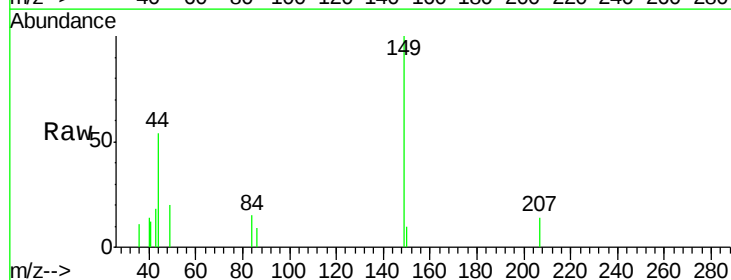
Tgt Ion:149 Resp: 2902

Ion Ratio Lower Upper

149 100

150 9.7 7.9 11.9

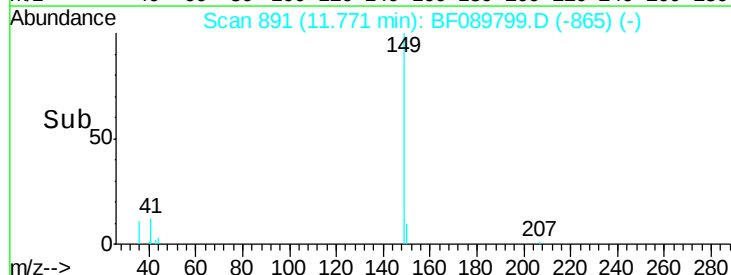
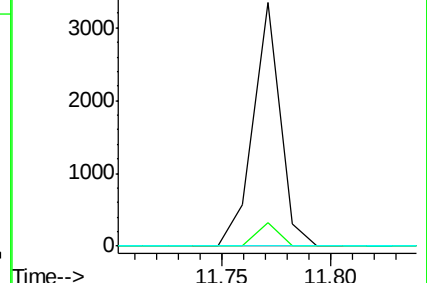
104 0.0 4.3 6.5#

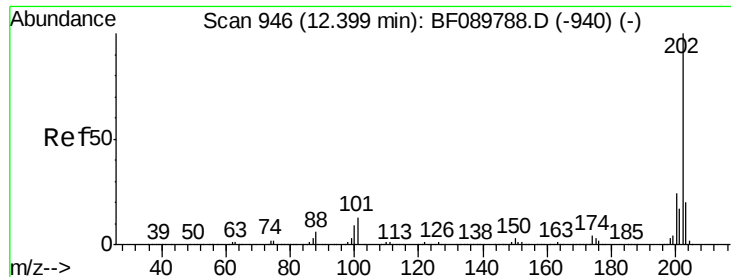


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

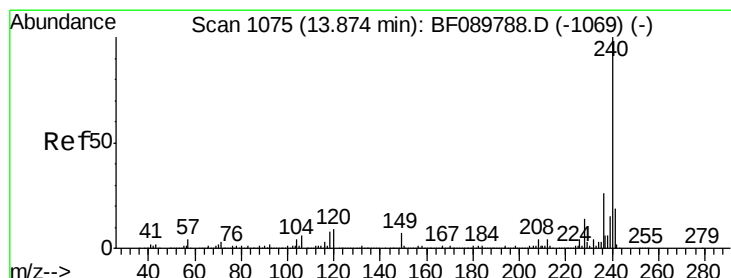
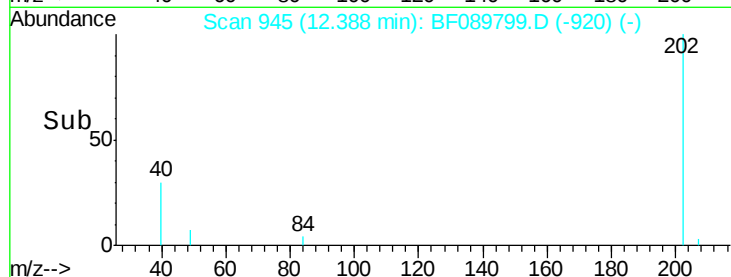
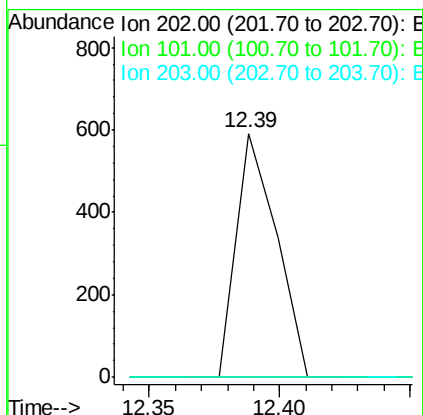
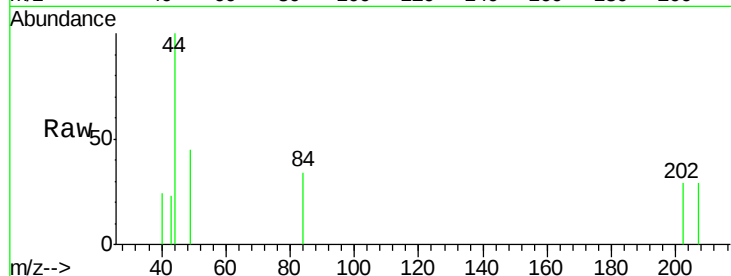




#74
 Fluoranthene
 Concen: 0.01 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

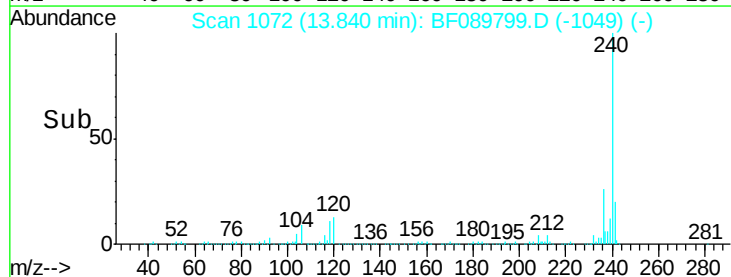
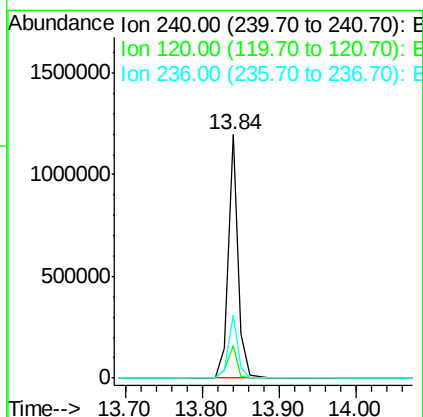
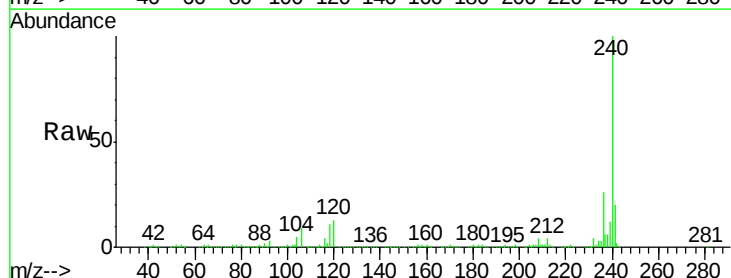
Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

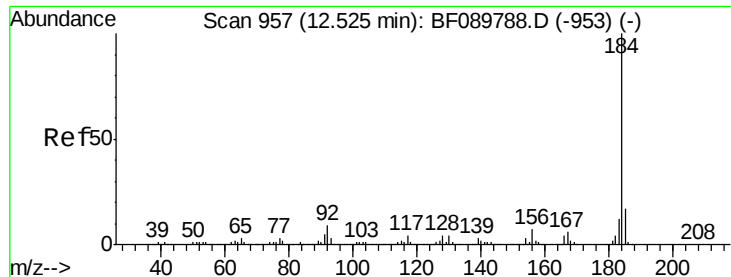
Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.2
203	0.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.03 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	25.9	21.3	31.9





#76

Benzidine

Concen: 0.05 ng

RT: 12.53 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

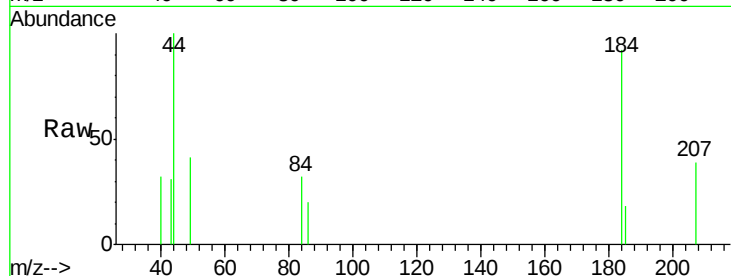
Tgt Ion:184 Resp: 1763

Ion Ratio Lower Upper

184 100

185 20.1 13.8 20.8

183 0.0 9.7 14.5#

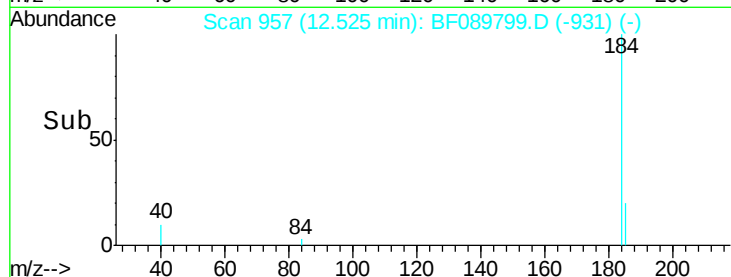


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

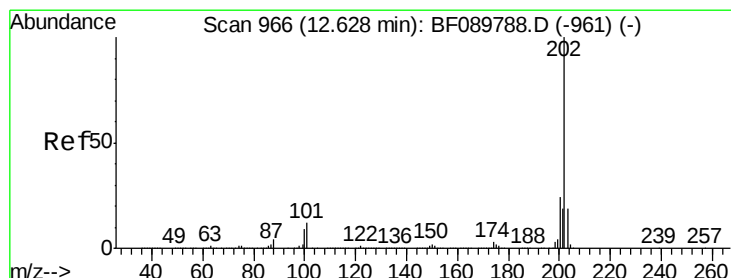
Ion 183.00 (182.70 to 183.70): E

Time-->



12.53

12.50 12.55



#77

Pyrene

Concen: 0.01 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

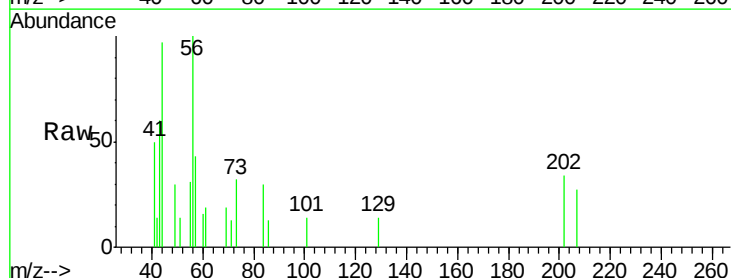
Tgt Ion:202 Resp: 798

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.6#

203 0.0 14.2 21.4#

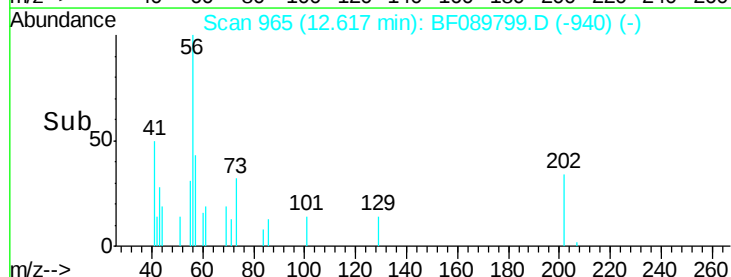


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

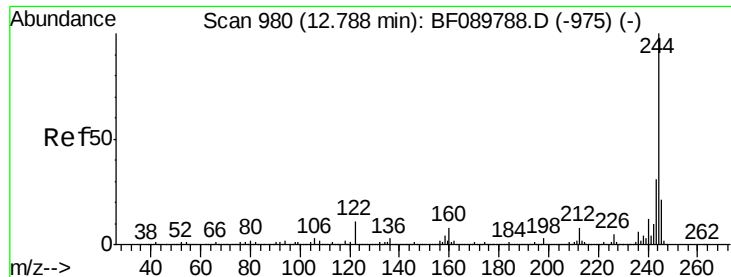
Ion 203.00 (202.70 to 203.70): E

Time-->



12.62

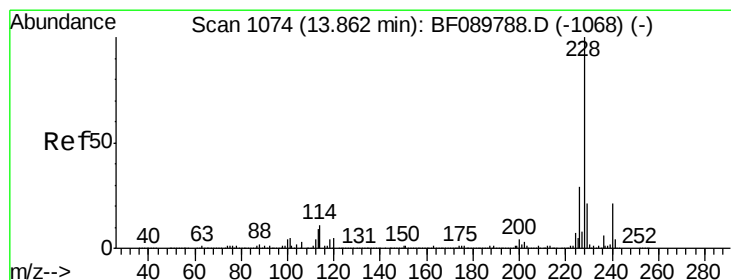
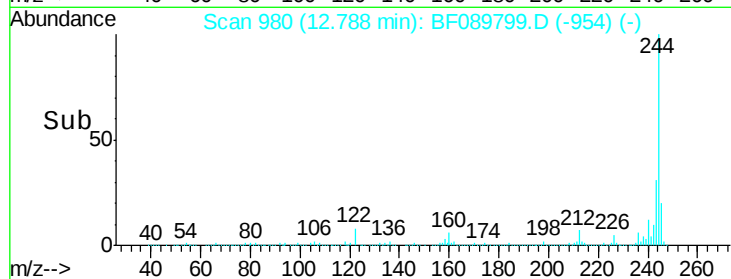
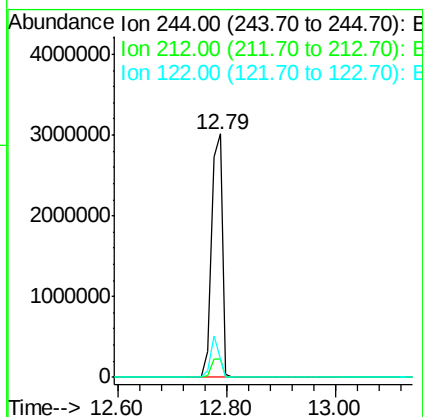
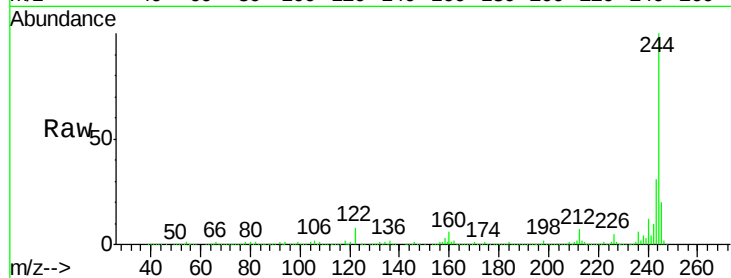
12.60 12.65



#78
 Terphenyl-d14
 Concen: 86.90 ng
 RT: 12.79 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

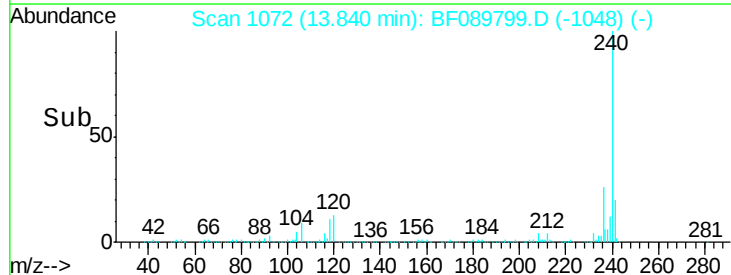
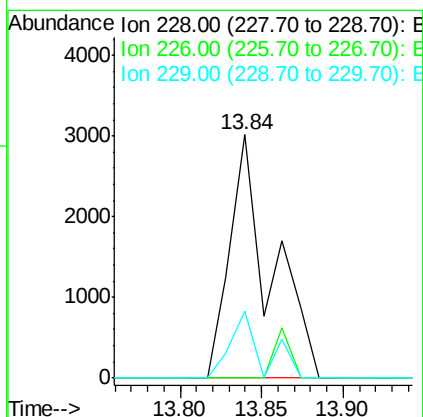
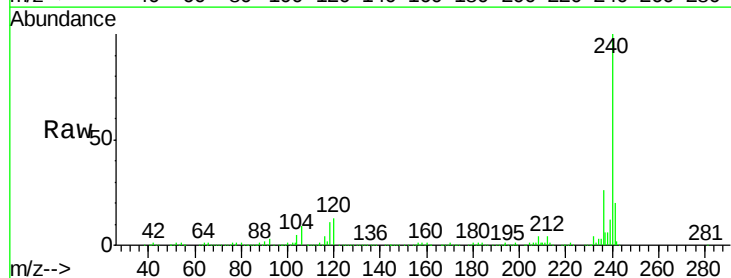
Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

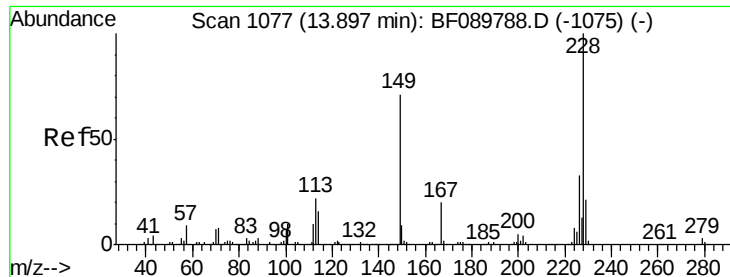
Tgt Ion:244 Resp: 4215753
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 7.5 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.02 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion:228 Resp: 5203
 Ion Ratio Lower Upper
 228 100
 226 0.0 23.2 34.8#
 229 27.6 16.2 24.4#





#82

Chrysene

Concen: 0.10 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.06 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

Instrument :

BNA_F

ClientSampleId :

PB92924BL

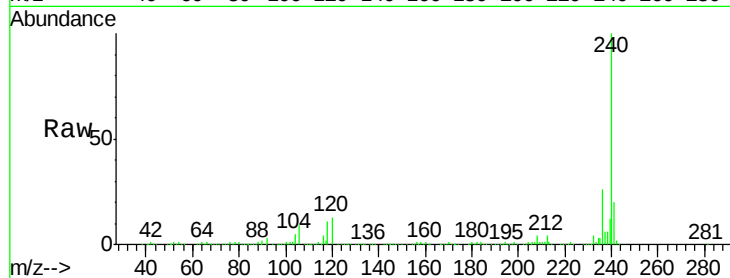
Tgt Ion: 228 Resp: 5203

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

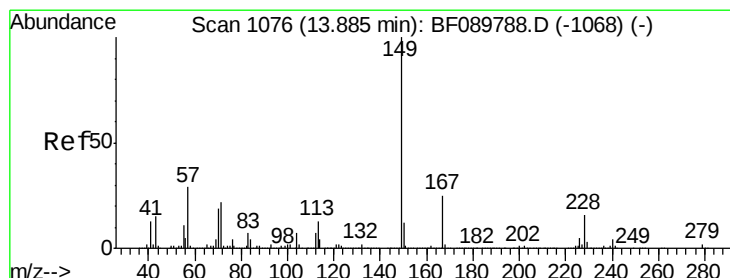
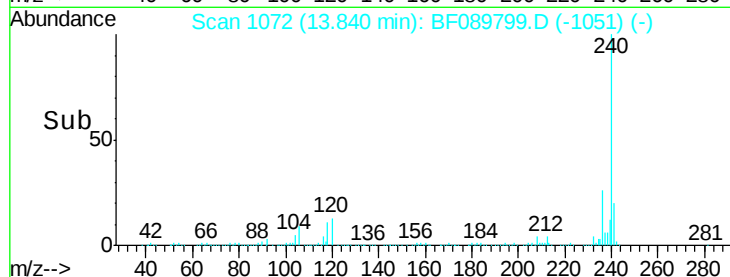
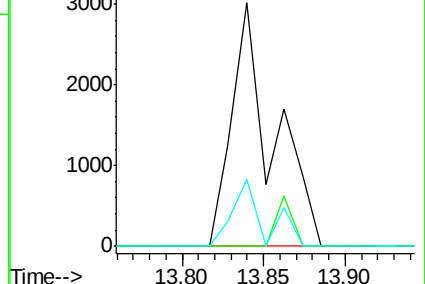
229 27.6 16.5 24.7#



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: 0.01 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF089799.D

Acq: 19 Aug 2016 16:55

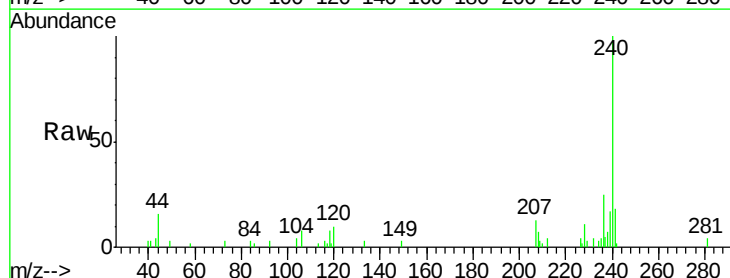
Tgt Ion: 149 Resp: 358

Ion Ratio Lower Upper

149 100

167 0.0 21.2 31.8#

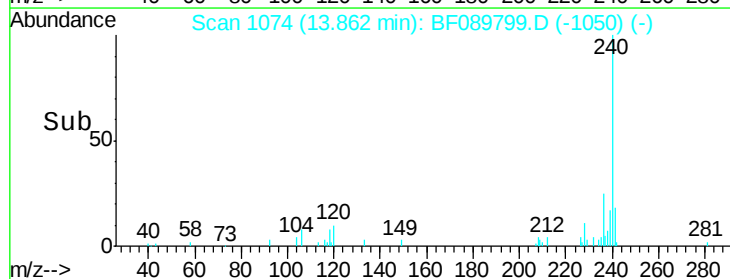
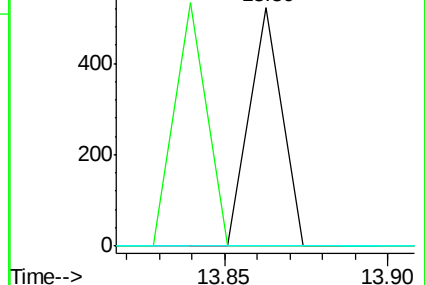
279 0.0 2.9 4.3#

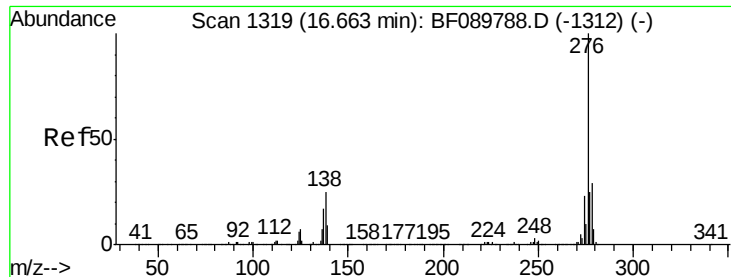


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

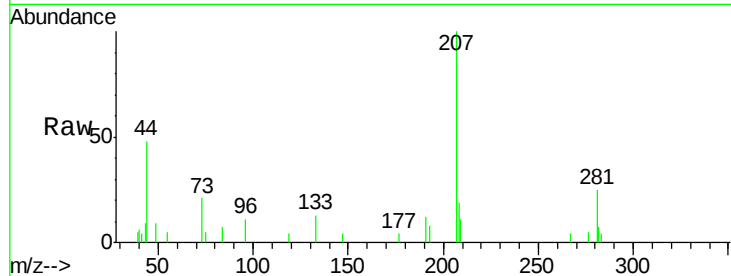




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 16.58 min Scan# 1312
 Delta R.T. -0.08 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

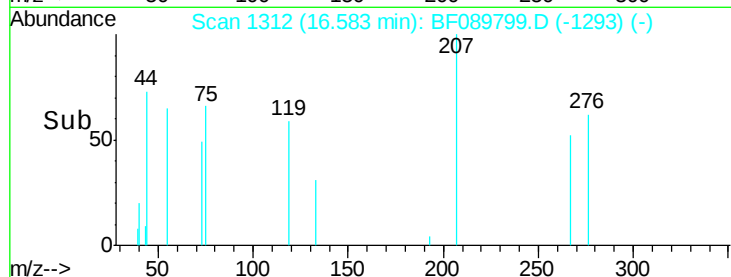
Instrument :
 BNA_F
 ClientSampleId :
 PB92924BL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	24.6	36.8#
277	0.0	20.4	30.6#

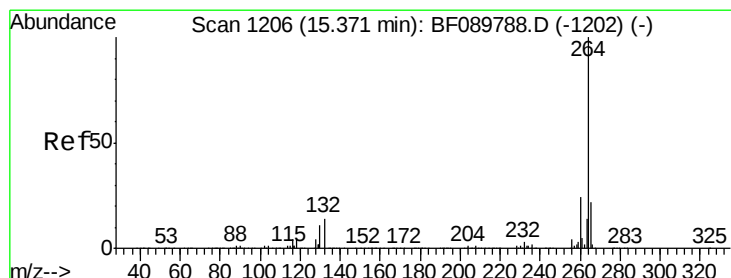


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

16.58

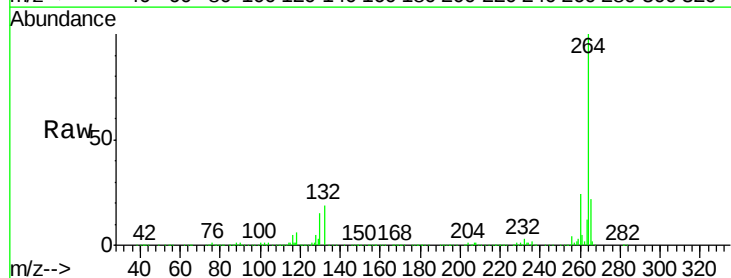


Time-->



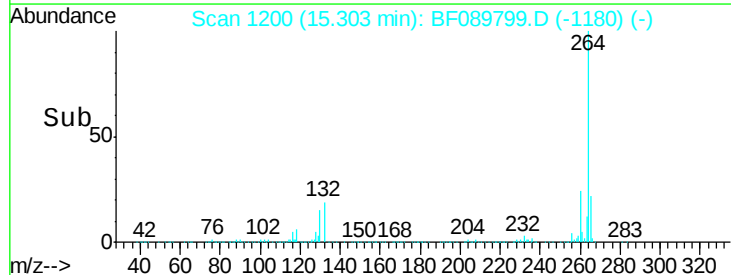
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1200
 Delta R.T. -0.07 min
 Lab File: BF089799.D
 Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.2	30.2
265	22.0	17.4	26.2

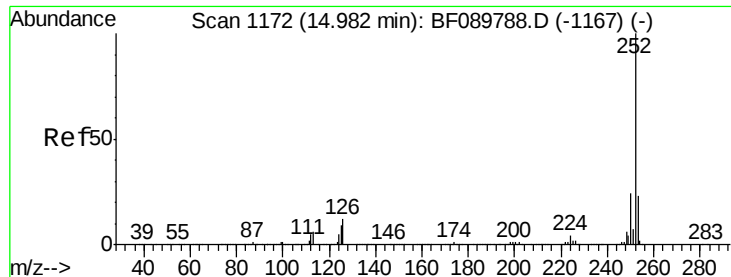


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

15.30



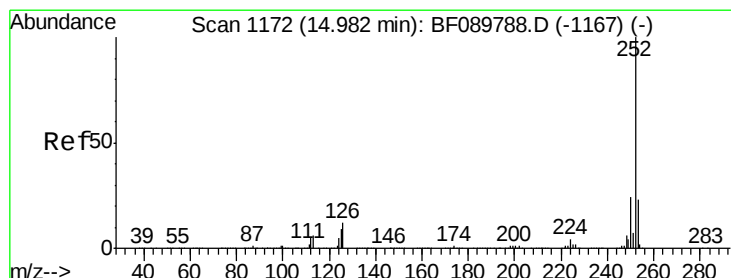
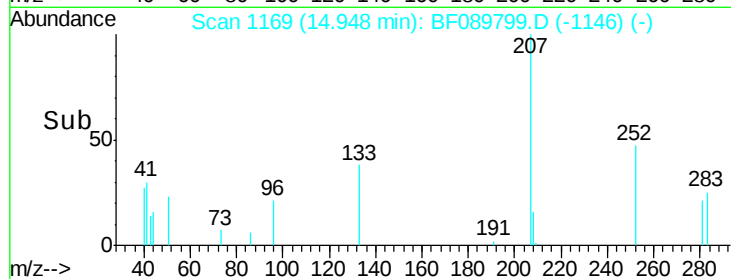
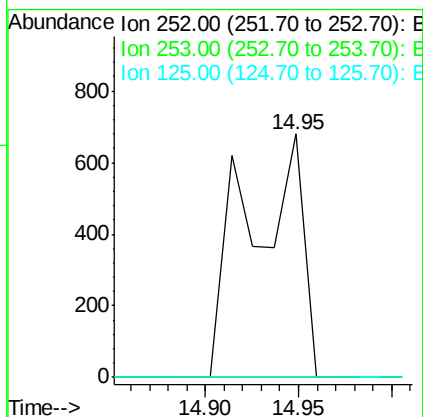
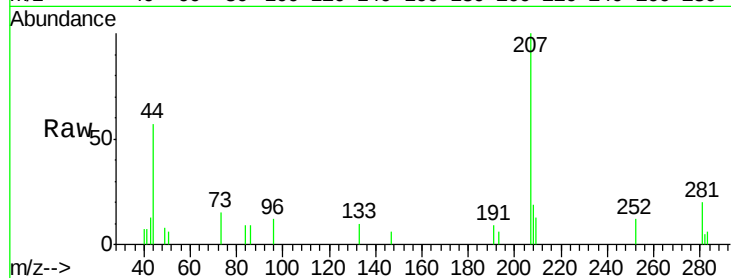
Time-->



#87
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

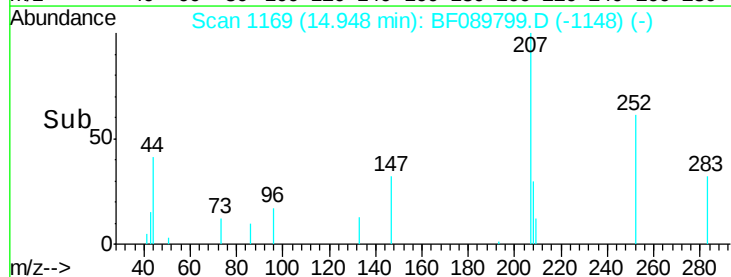
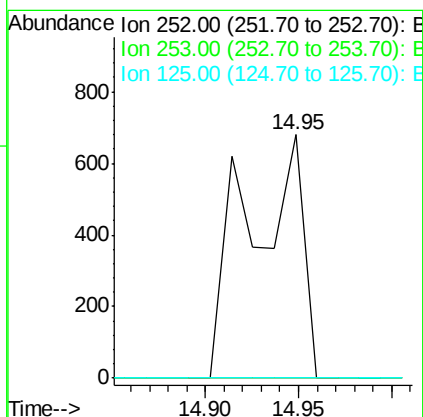
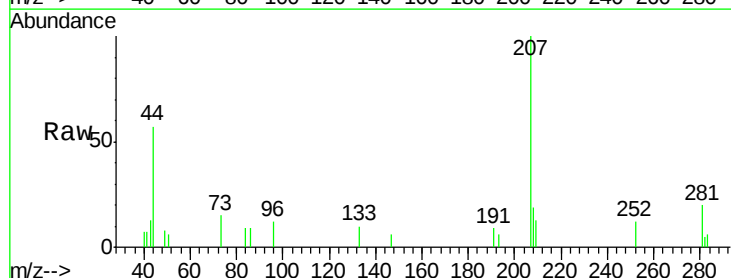
Instrument :
BNA_F
ClientSampleId :
PB92924BL

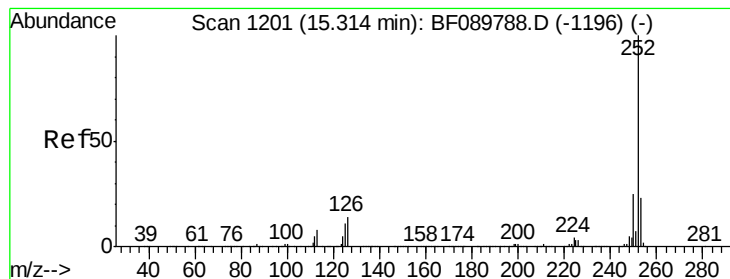
Tgt Ion:252 Resp: 1390
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 0.0 11.4 17.2#



#88
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion:252 Resp: 1390
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 0.0 9.8 14.6#

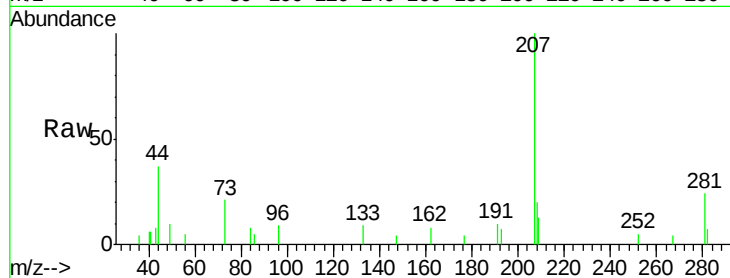




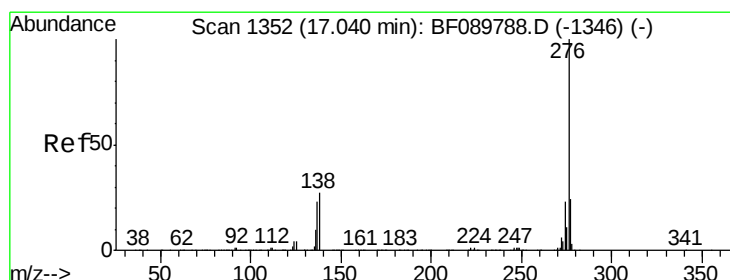
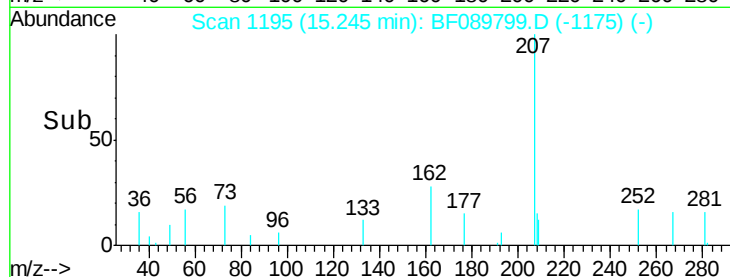
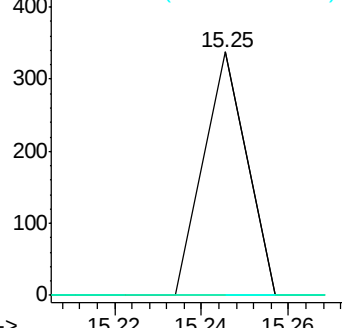
#89
Benzo(a)pyrene
Concen: 0.00 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.07 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Instrument :
BNA_F
ClientSampleId :
PB92924BL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.8	26.8#
125	0.0	11.7	17.5#

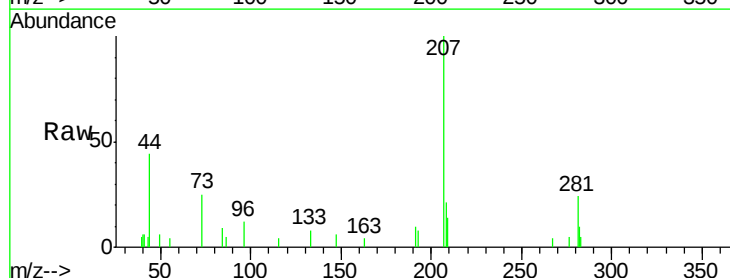


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 0.01 ng
RT: 16.97 min Scan# 1346
Delta R.T. -0.07 min
Lab File: BF089799.D
Acq: 19 Aug 2016 16:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.2	28.8#
138	0.0	22.1	33.1#



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

