

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF088999.D
 Acq On : 14 Jul 2016 21:50
 Operator : UM/SJ
 Sample : H3996-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C7-B1(0-12)C

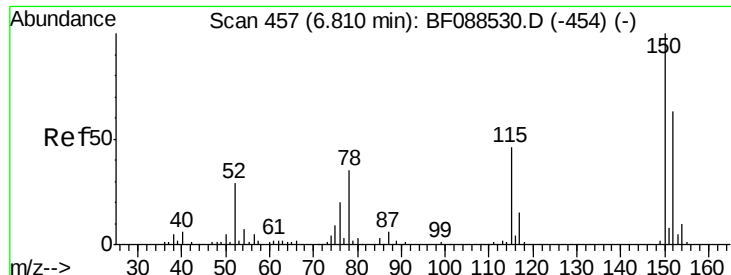
Quant Time: Jul 15 01:18:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	48346	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	211058	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	97769	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	180676	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	138792	20.00	ng	-0.03
86) Perylene-d12	15.18	264	109920	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	373848	115.89	ng	-0.01
7) Phenol-d6	6.34	99	510776	122.54	ng	-0.01
23) Nitrobenzene-d5	7.26	82	354754	88.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	106252	117.03	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	564154	91.15	ng	-0.02
78) Terphenyl-d14	12.78	244	422473	67.80	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.35	94	9723	2.04	ng	85
15) Benzyl Alcohol	6.84	79	6662	2.17	ng	# 50
19) n-Nitroso-di-n-propylamine	7.26	70	49101	17.54	ng	# 73
25) Isophorone	7.26	82	259880	34.84	ng	# 65
37) 2-Methylnaphthalene	8.68	142	13604	2.03	ng	# 95
49) Dimethylphthalate	9.44	163	103461	14.85	ng	99
55) 4-Nitrophenol	9.92	139	4023	2.70	ng	# 5
56) 2,4-Dinitrotoluene	9.71	165	13201	6.54	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	7990	4.39	ng	# 1
70) Phenanthrene	11.21	178	44956	4.55	ng	99
74) Fluoranthene	12.40	202	50228	5.02	ng	91
77) Pyrene	12.62	202	39720	3.38	ng	98
80) Benzo(a)anthracene	13.81	228	18333	2.05	ng	96
82) Chrysene	13.81	228	18333	2.07	ng	97
83) Bis(2-ethylhexyl)phthalate	13.82	149	14747	2.46	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	30188	4.38	ng	# 87
88) Benzo(k)fluoranthene	14.80	252	30188	5.03	ng	# 92
89) Benzo(a)pyrene	15.12	252	13753	2.36	ng	# 91
91) Benzo(g,h,i)perylene	16.82	276	10598	2.10	ng	94

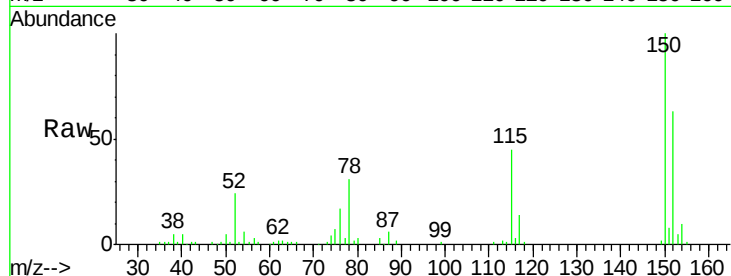
(#) = qualifier out of range (m) = manual integration (+) = signals summed



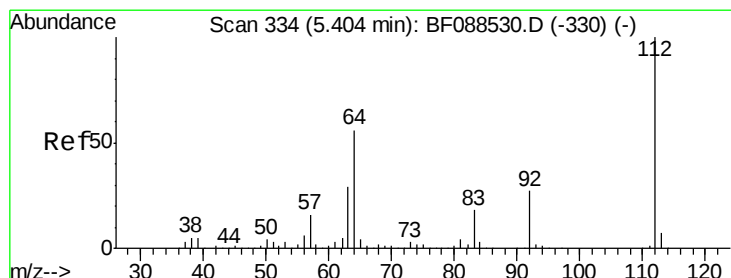
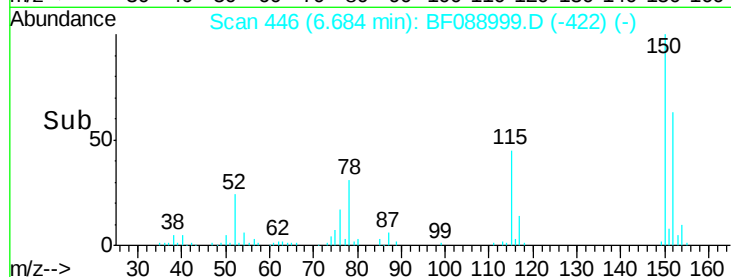
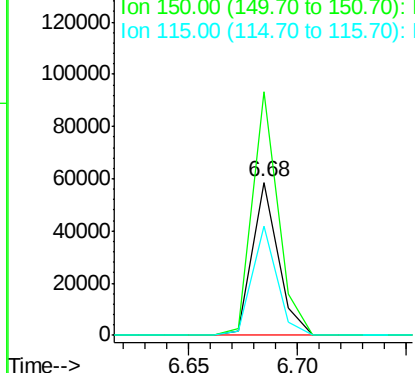
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 C7-B1(0-12)C

Tgt Ion:152 Resp: 48346
 Ion Ratio Lower Upper
 152 100
 150 158.8 123.8 185.6
 115 71.5 39.6 59.4#

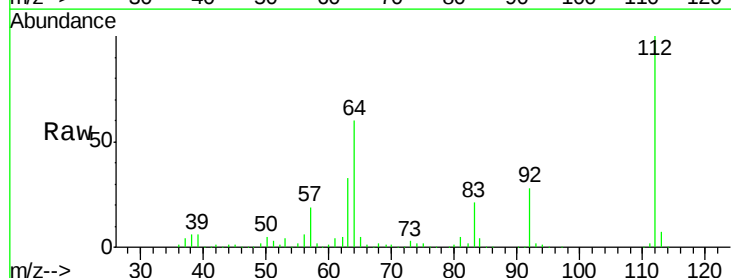


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

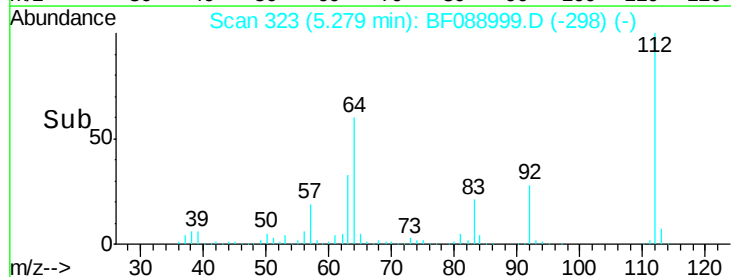
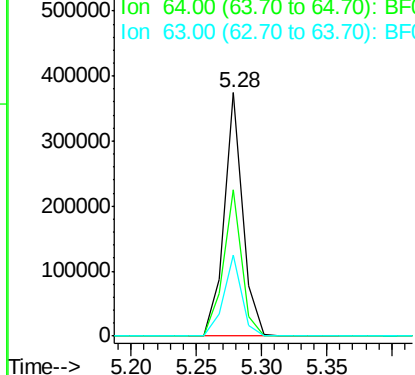


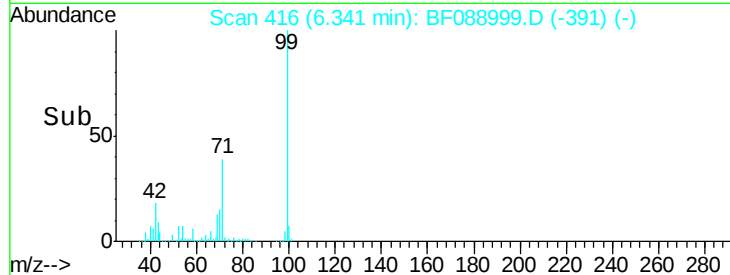
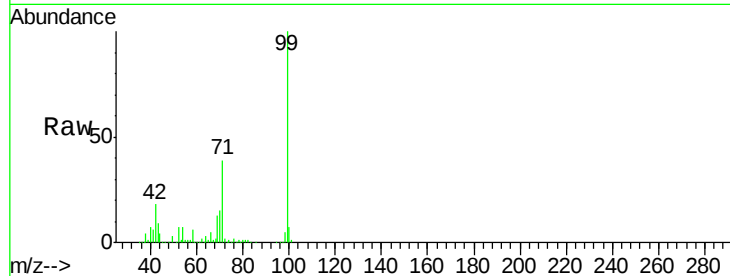
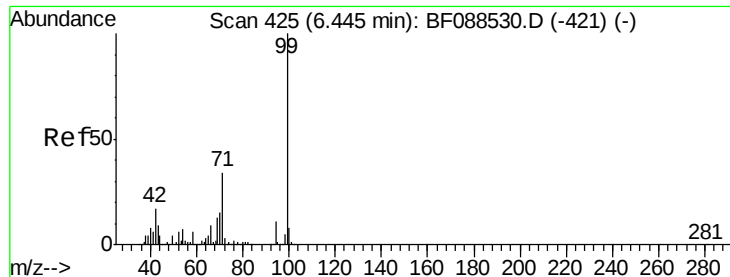
#5
 2-Fluorophenol
 Concen: 115.89 ng
 RT: 5.28 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

Tgt Ion:112 Resp: 373848
 Ion Ratio Lower Upper
 112 100
 64 60.2 42.2 63.2
 63 33.4 21.8 32.8#



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





#7

Phenol-d6

Concen: 122.54 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

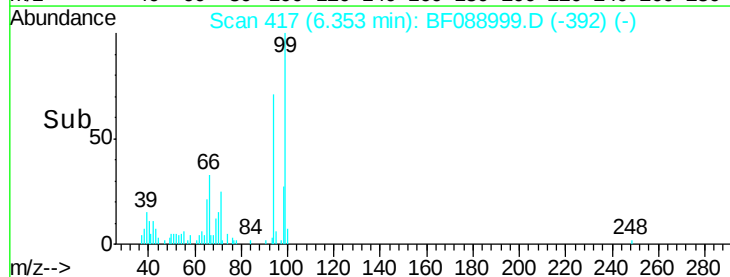
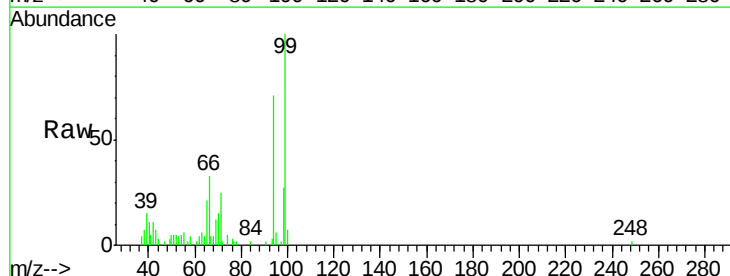
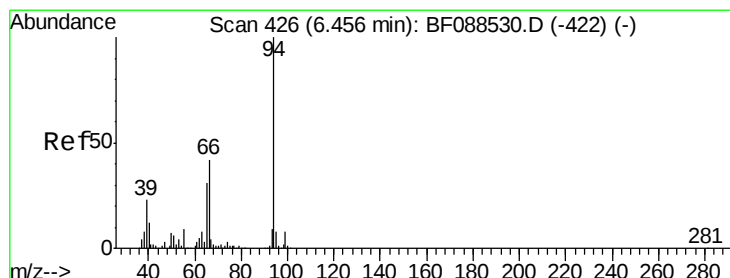
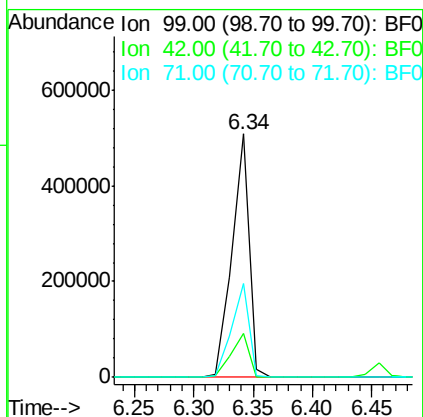
Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Tgt Ion: 99 Resp: 510776

Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.2	18.2
71	38.5	23.4	35.0#

Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C



#10

Phenol

Concen: 2.04 ng

RT: 6.35 min Scan# 417

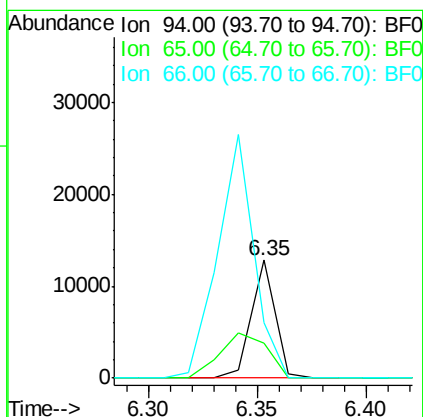
Delta R.T. -0.01 min

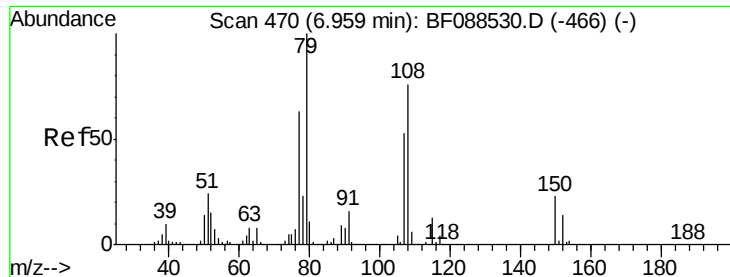
Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Tgt Ion: 94 Resp: 9723

Ion	Ratio	Lower	Upper
94	100		
65	29.4	5.9	45.9
66	46.6	14.0	54.0





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

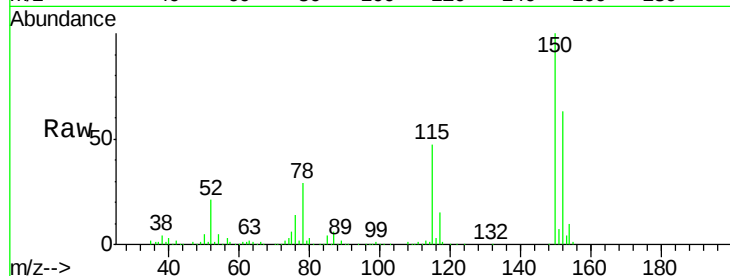
Tgt Ion: 79 Resp: 6662

Ion Ratio Lower Upper

79 100

108 33.4 65.0 97.6#

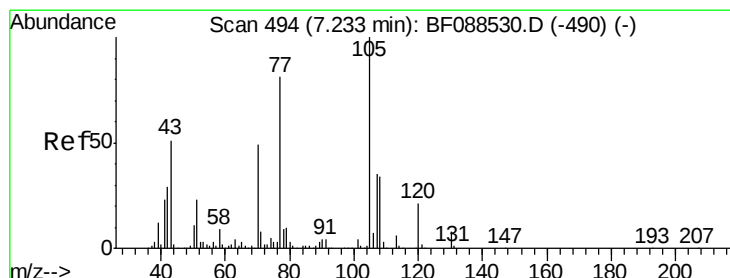
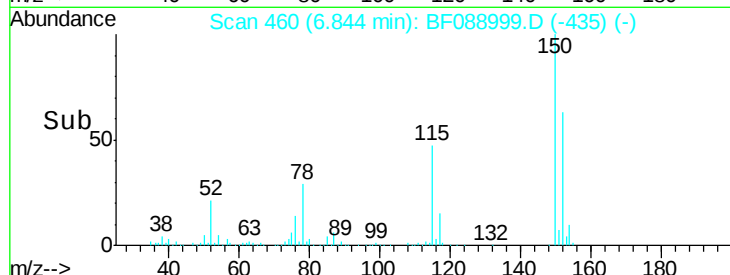
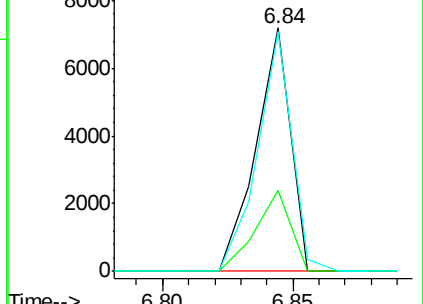
77 98.6 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.54 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Tgt Ion: 70 Resp: 49101

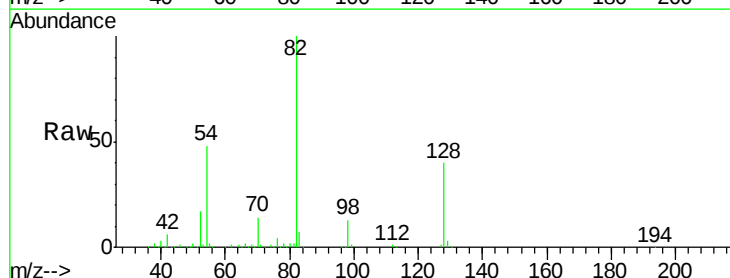
Ion Ratio Lower Upper

70 100

42 44.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

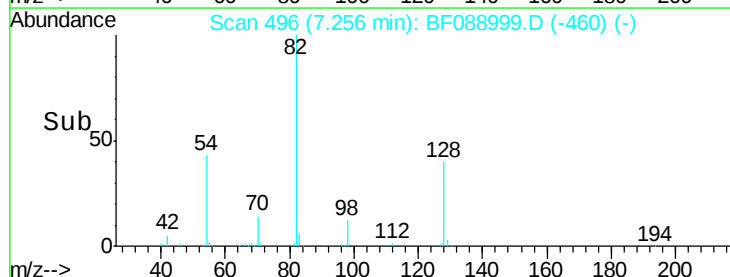
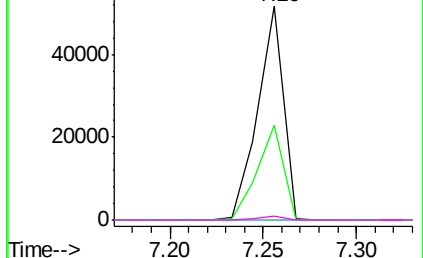


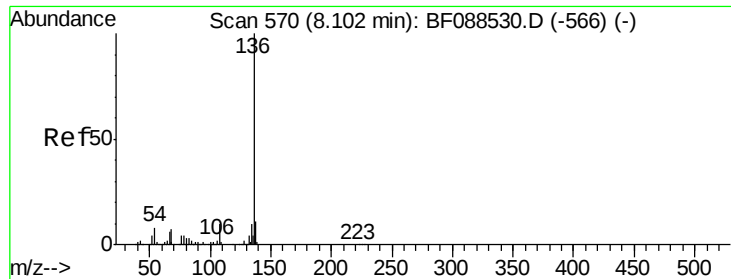
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

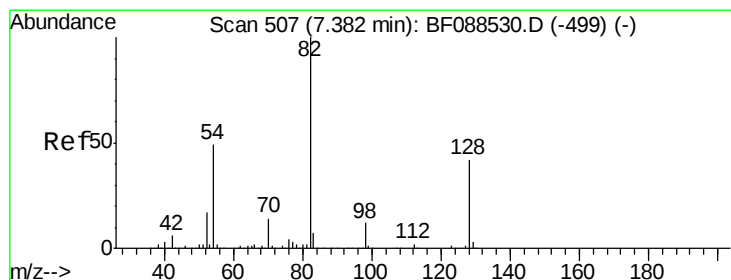
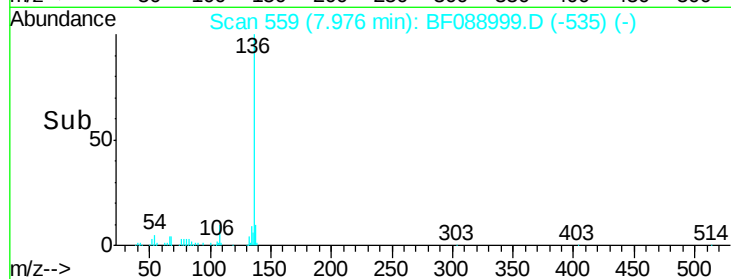
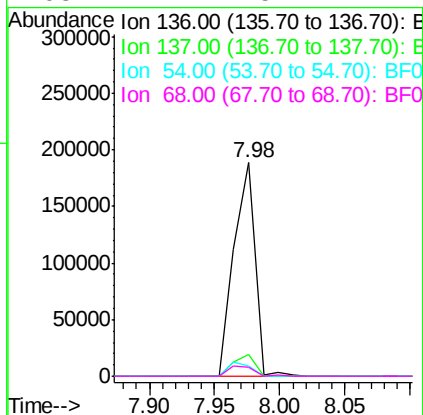
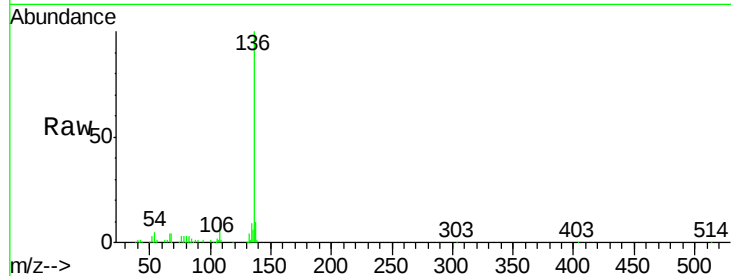




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

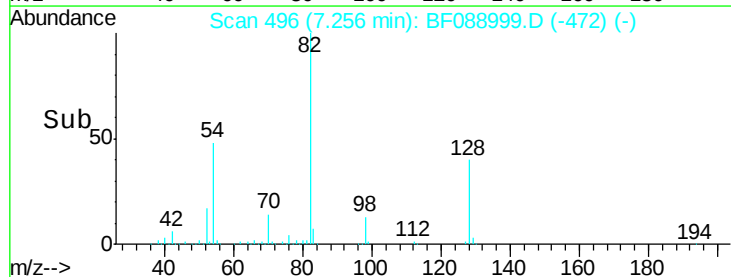
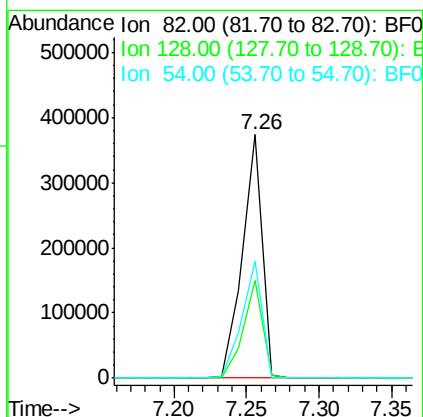
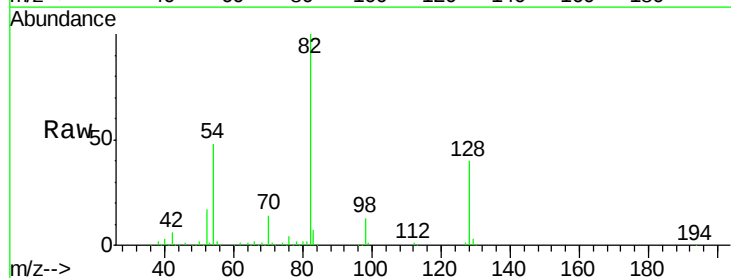
Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

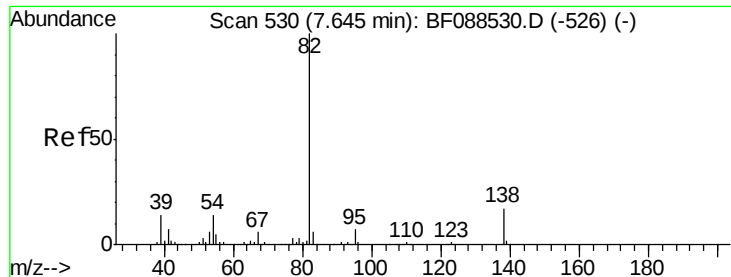
Tgt Ion:	136	Resp:	211058
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.0	6.6	10.0#
68	4.1	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 88.08 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:	82	Resp:	354754
Ion	Ratio	Lower	Upper
82	100		
128	40.3	35.9	53.9
54	47.9	40.9	61.3





#25

Isophorone

Concen: 34.84 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.29 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

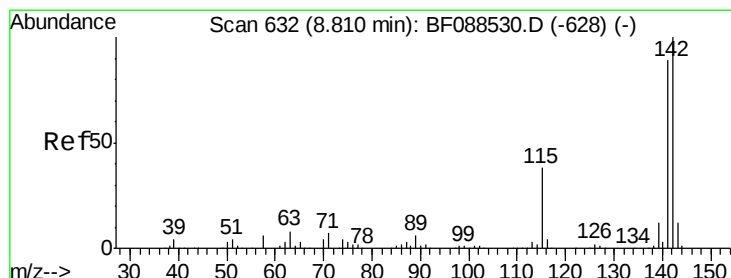
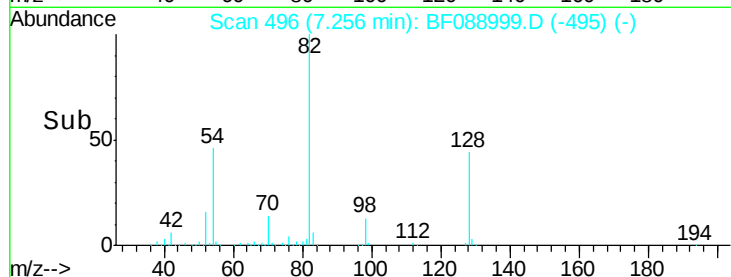
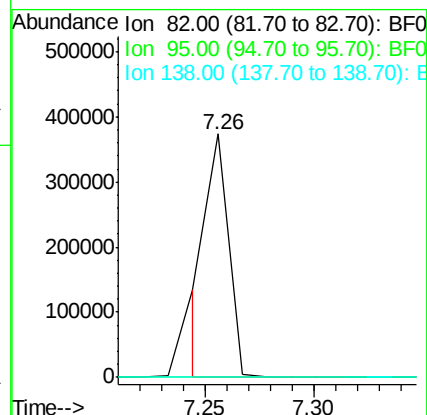
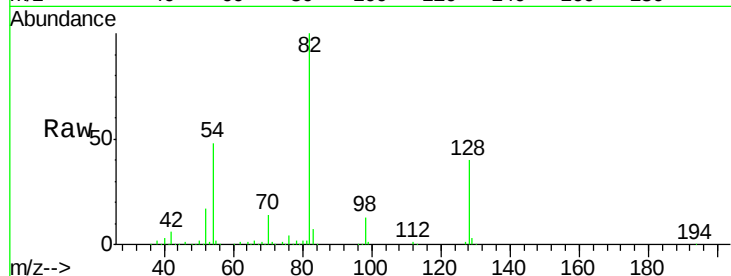
Tgt Ion: 82 Resp: 259880

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#37

2-Methylnaphthalene

Concen: 2.03 ng

RT: 8.68 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

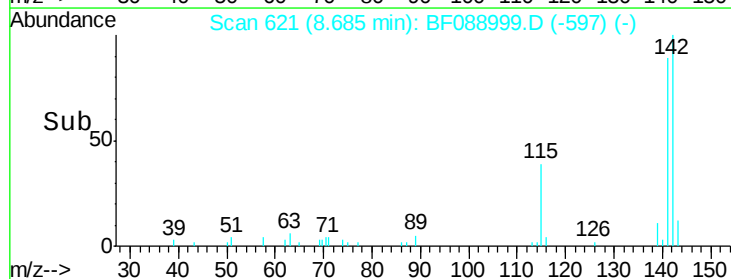
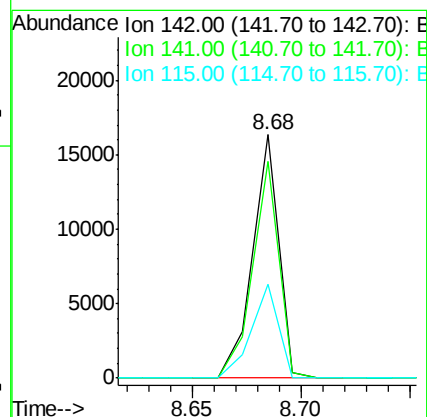
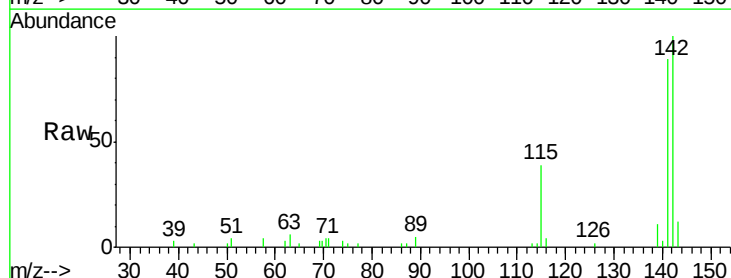
Tgt Ion: 142 Resp: 13604

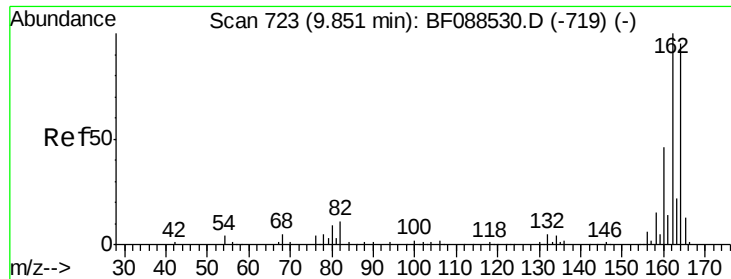
Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.6

115 38.6 22.6 33.8#

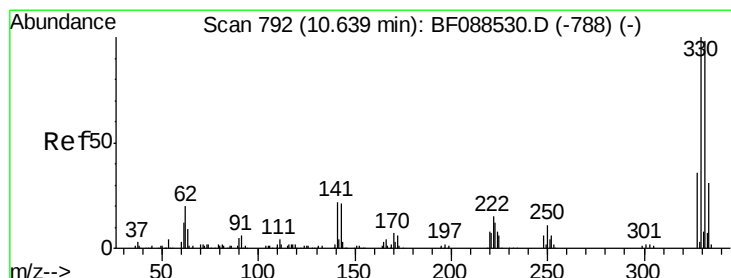
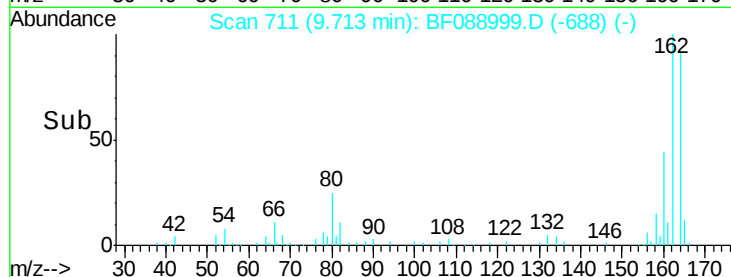
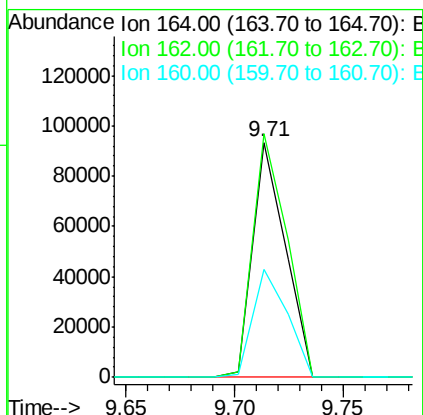
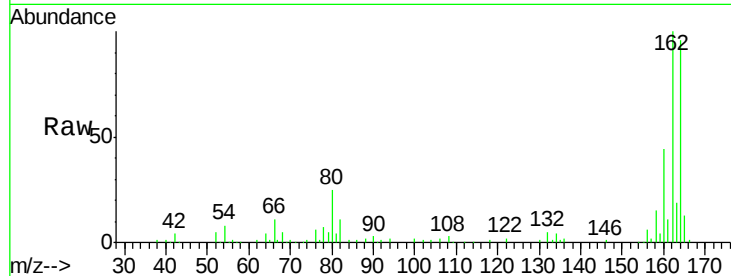




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

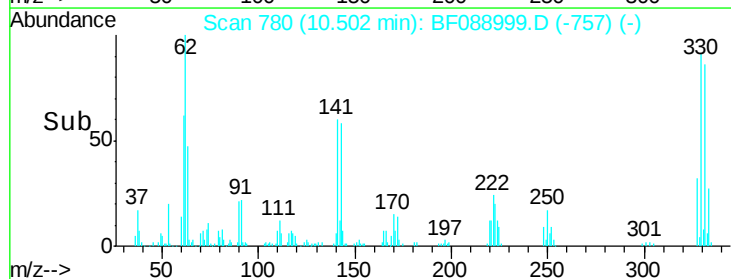
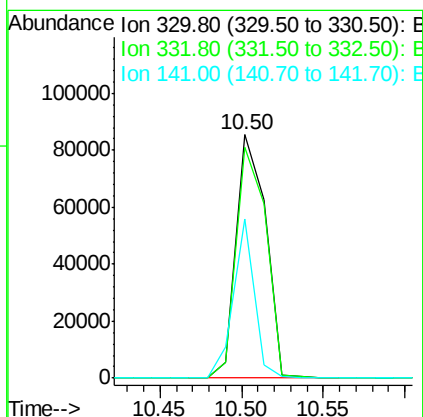
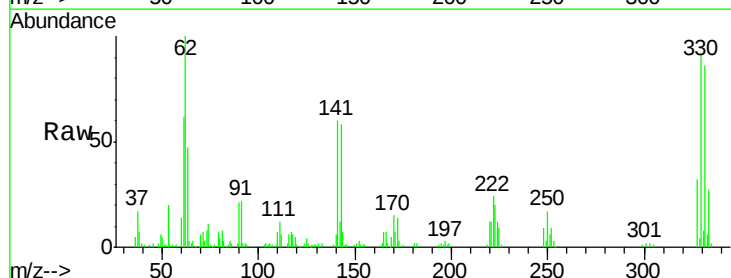
Instrument :
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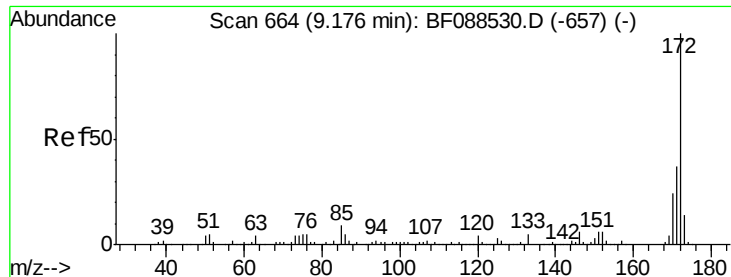
Tgt Ion:164 Resp: 97769
 Ion Ratio Lower Upper
 164 100
 162 103.6 85.4 128.2
 160 46.1 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 117.03 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

Tgt Ion:330 Resp: 106252
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 46.4 0.0 0.0#

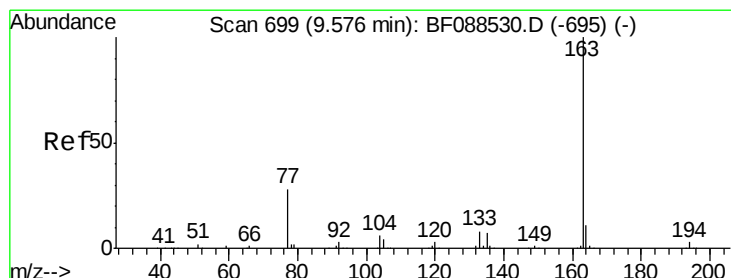
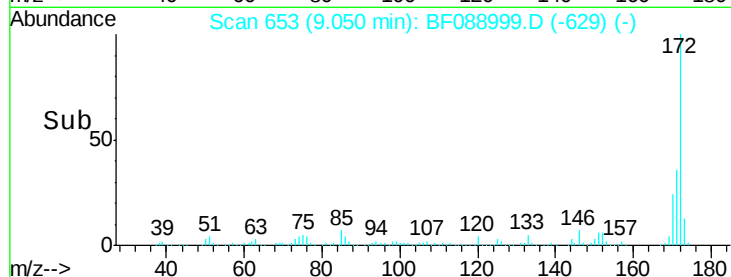
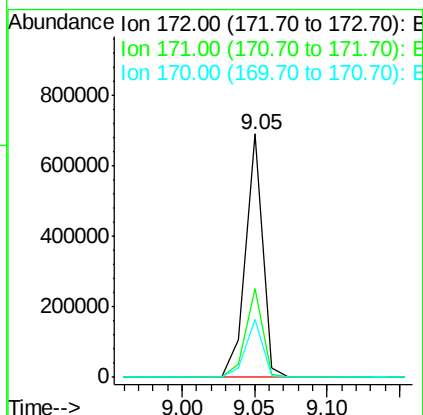
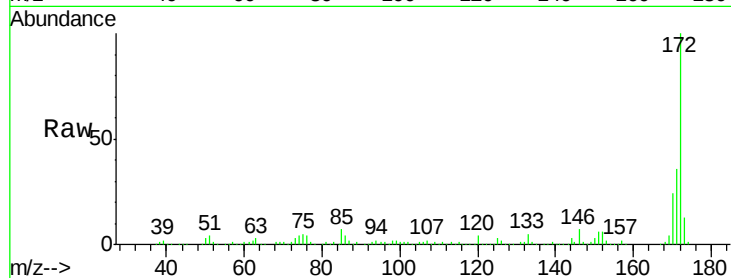




#44
 2-Fluorobiphenyl
 Concen: 91.15 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

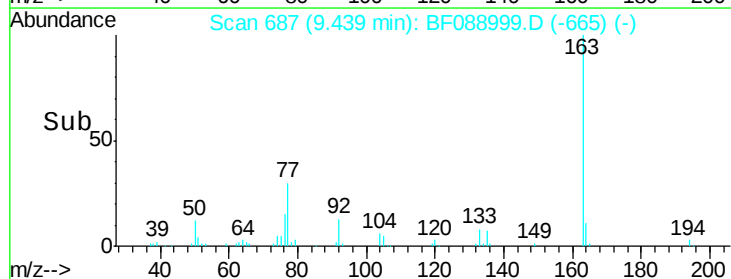
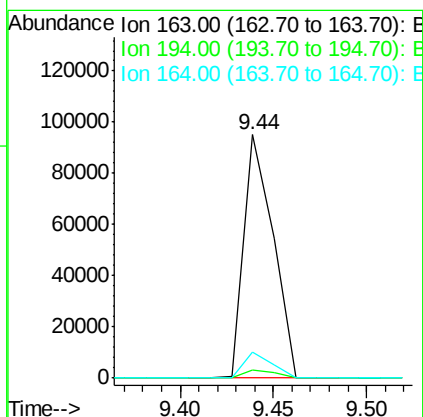
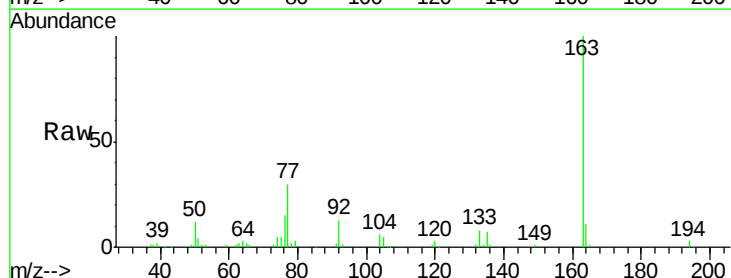
Instrument :
 BNA_F
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 C7-B1(0-12)C

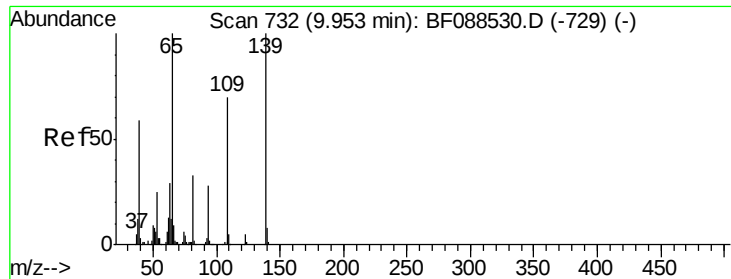
Tgt Ion:172 Resp: 564154
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 23.7 19.2 28.8



#49
 Dimethylphthalate
 Concen: 14.85 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF088999.D
 Acq: 14 Jul 2016 21:50

Tgt Ion:163 Resp: 103461
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 10.9 8.3 12.5





#55

4-Nitrophenol

Concen: 2.70 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.05 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

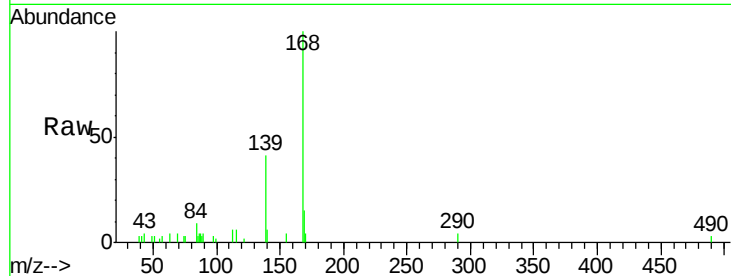
Tgt Ion:139 Resp: 4023

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

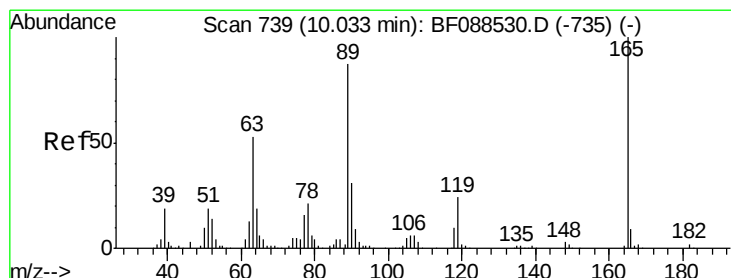
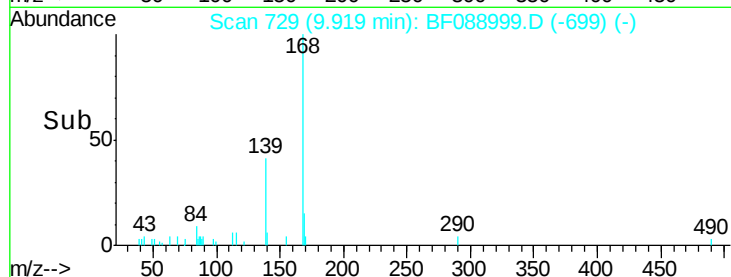
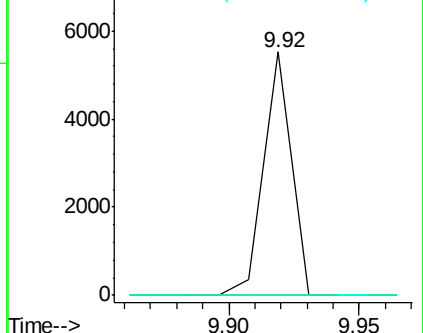
65 0.0 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 6.54 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.23 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Tgt Ion:165 Resp: 13201

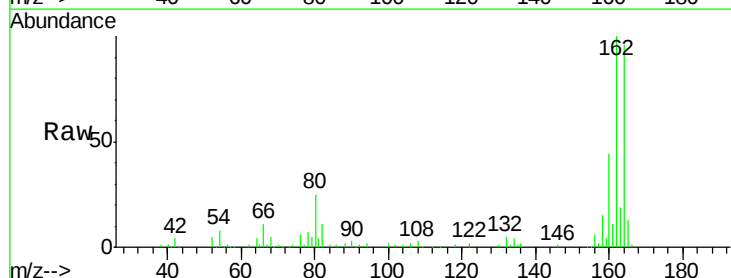
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

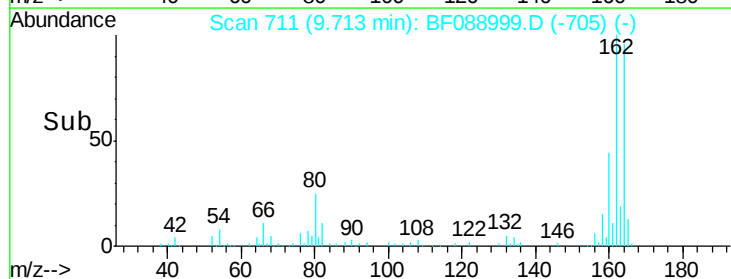
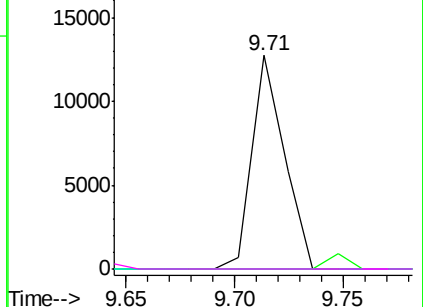


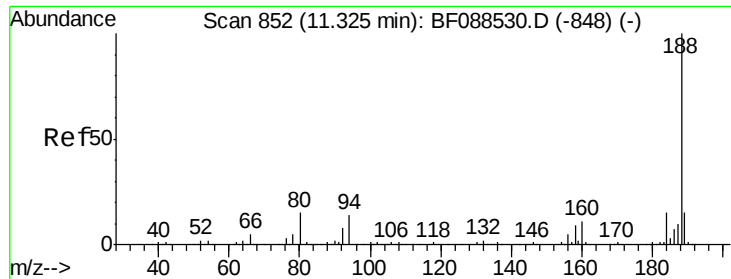
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

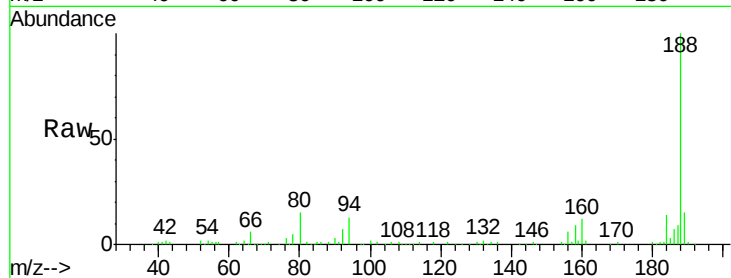




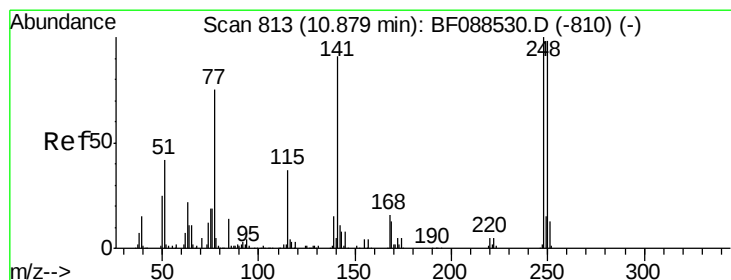
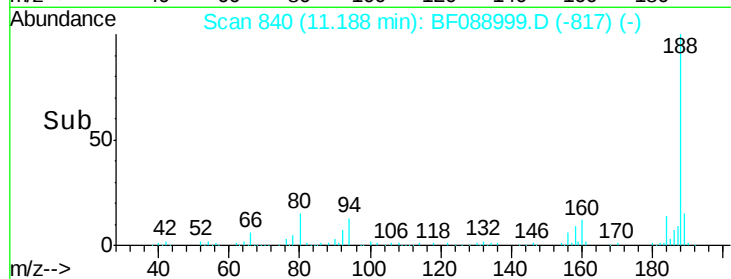
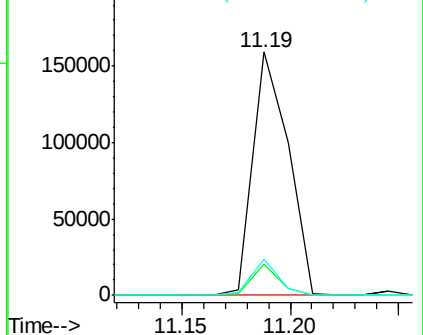
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

Tgt Ion:188 Resp: 180676
Ion Ratio Lower Upper
188 100
94 12.6 9.0 13.6
80 15.0 10.0 15.0#

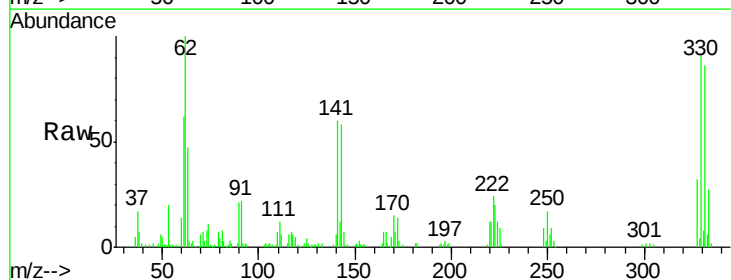


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

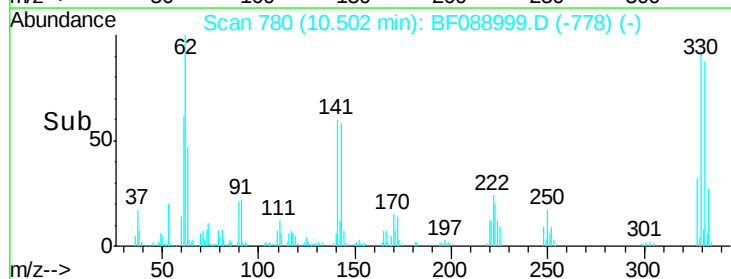
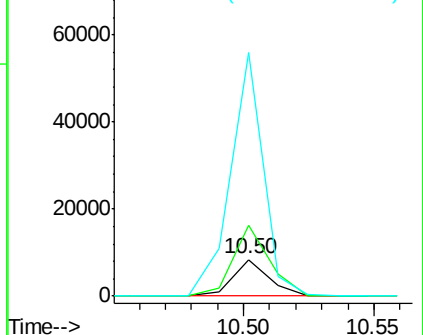


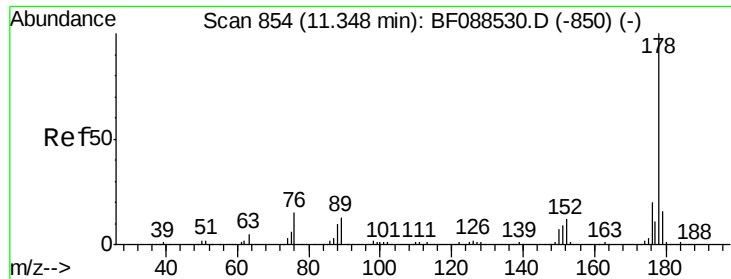
#66
4-Bromophenyl-phenylether
Concen: 4.39 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.27 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:248 Resp: 7990
Ion Ratio Lower Upper
248 100
250 194.6 77.1 115.7#
141 670.8 50.6 76.0#



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

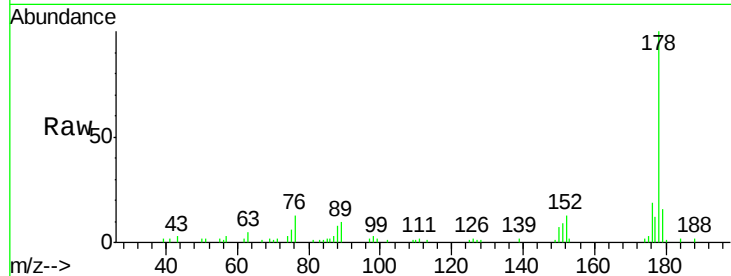




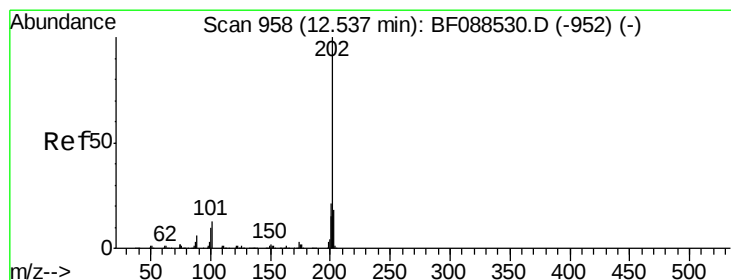
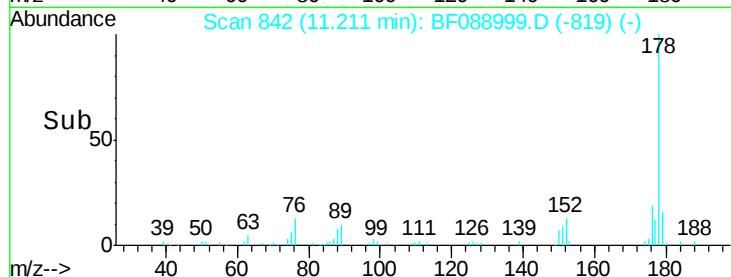
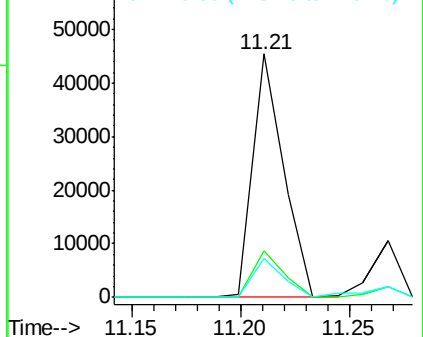
#70
Phenanthrene
Concen: 4.55 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

Tgt Ion:178 Resp: 44956
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.7 13.0 19.4

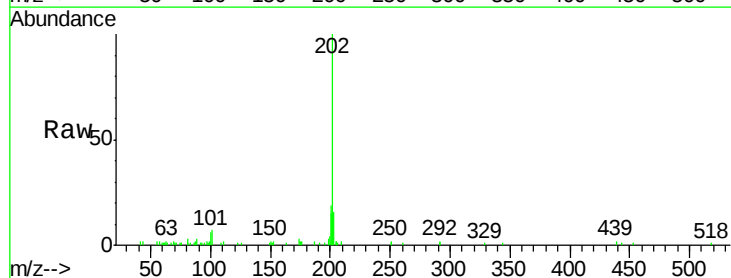


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

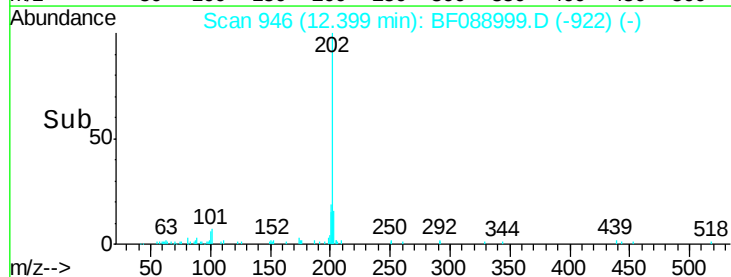
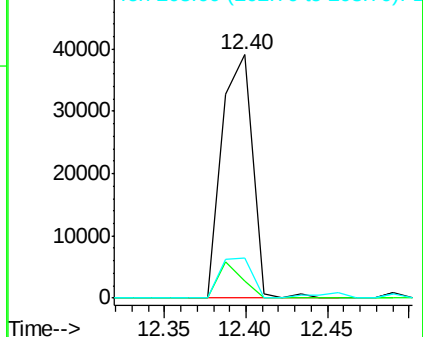


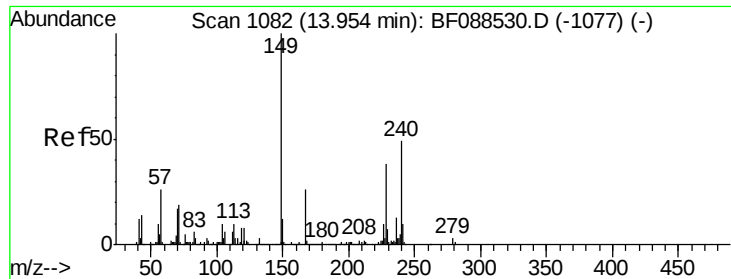
#74
Fluoranthene
Concen: 5.02 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

Tgt Ion:202 Resp: 50228
Ion Ratio Lower Upper
202 100
101 6.8 0.0 33.1
203 16.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

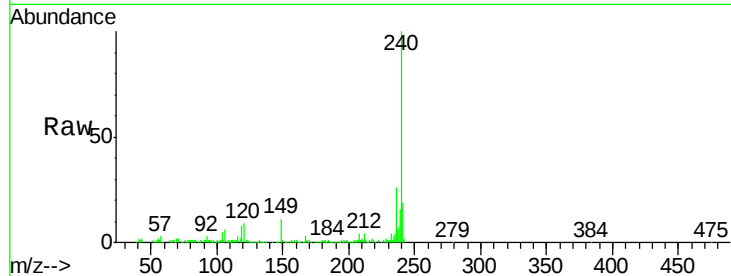
Tgt Ion:240 Resp: 138792

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

236 25.9 20.2 30.2

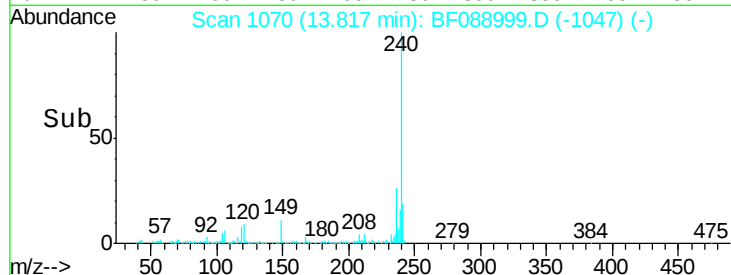


Abundance Ion 240.00 (239.70 to 240.70): E

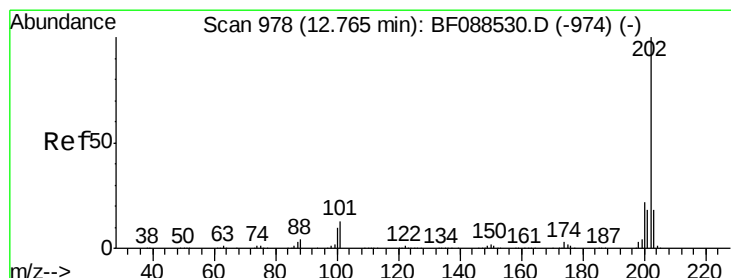
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.82



Time-->



#77

Pyrene

Concen: 3.38 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

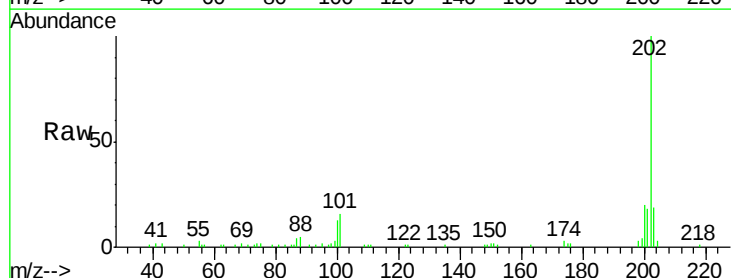
Tgt Ion:202 Resp: 39720

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 18.8 14.5 21.7

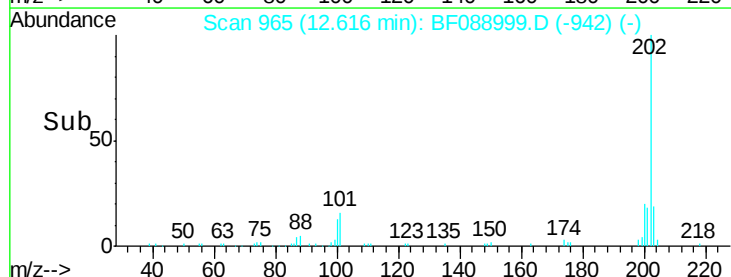


Abundance Ion 202.00 (201.70 to 202.70): E

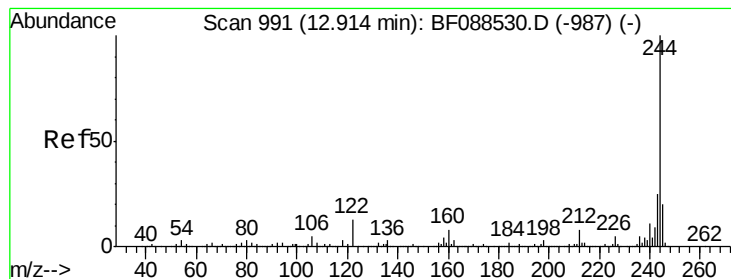
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.62



Time-->



#78

Terphenyl-d14

Concen: 67.80 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

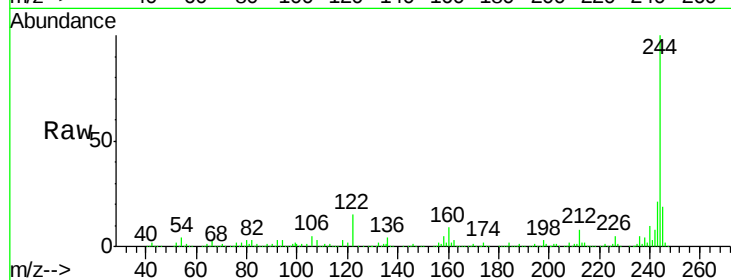
Tgt Ion:244 Resp: 422473

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

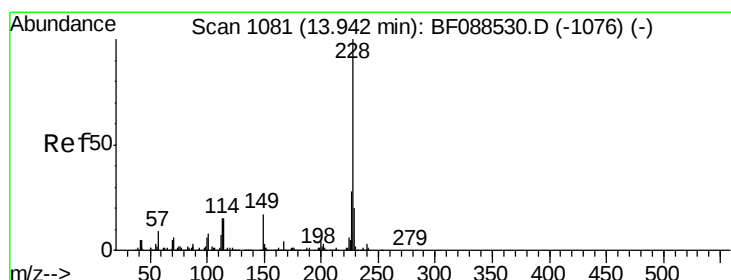
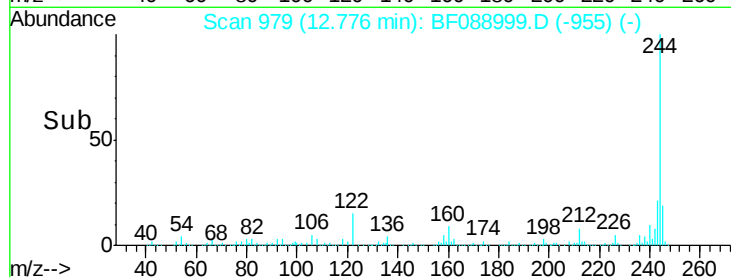
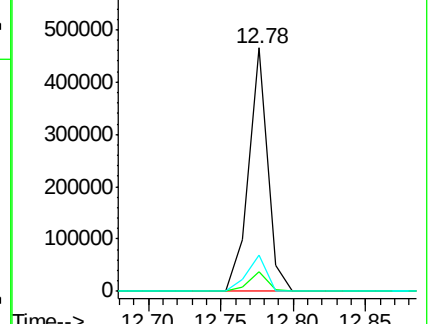
122 14.8 11.2 16.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.05 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

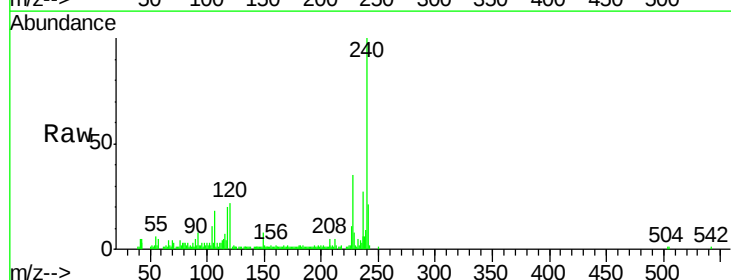
Tgt Ion:228 Resp: 18333

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

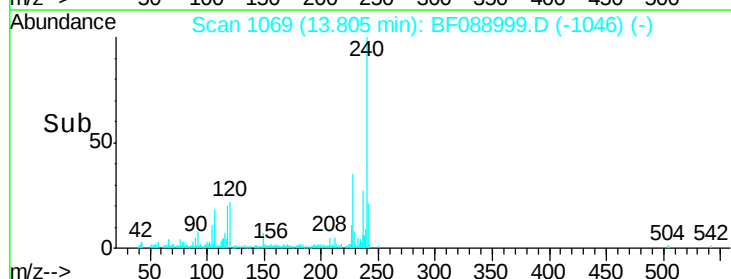
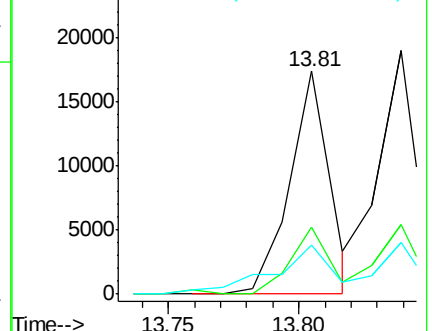
229 22.1 16.0 24.0

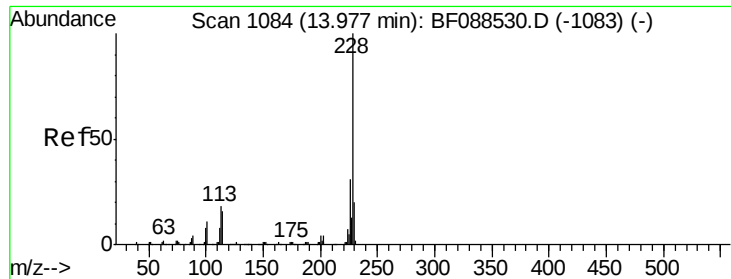


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.07 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.07 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

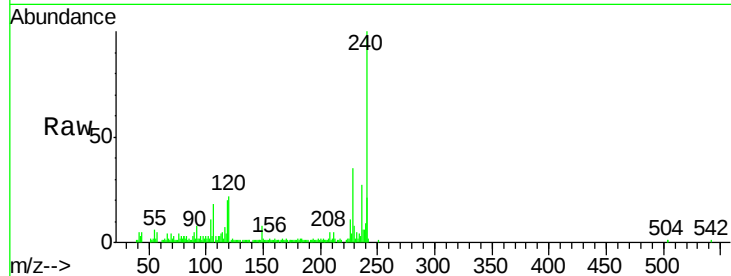
Tgt Ion:228 Resp: 18333

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

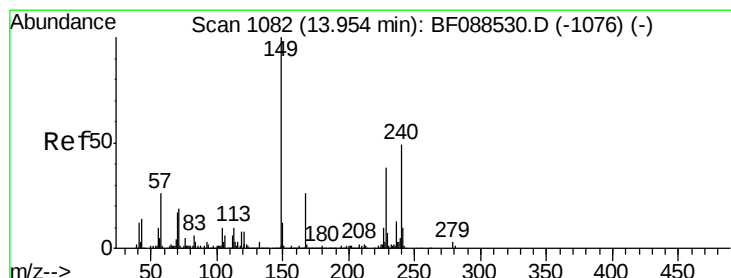
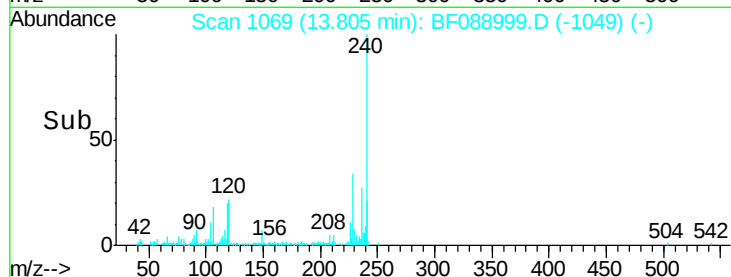
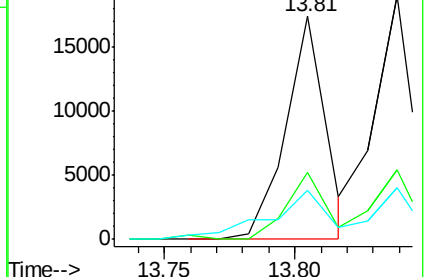
229 22.1 16.3 24.5



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: 2.46 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

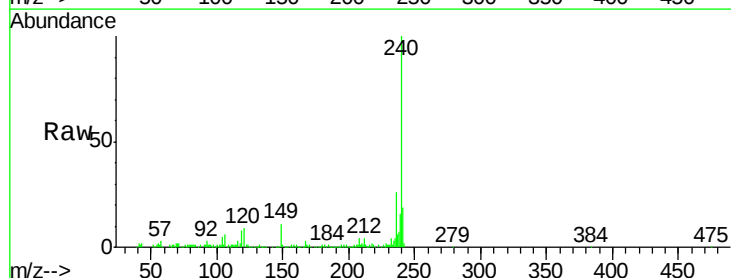
Tgt Ion:149 Resp: 14747

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

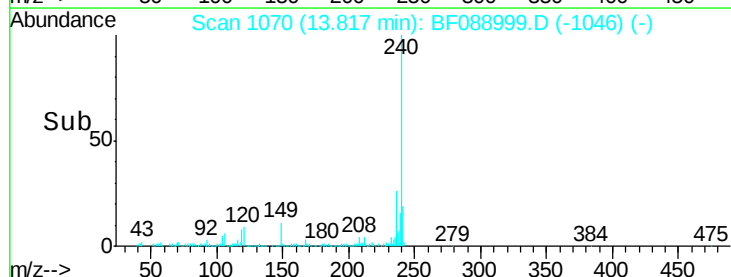
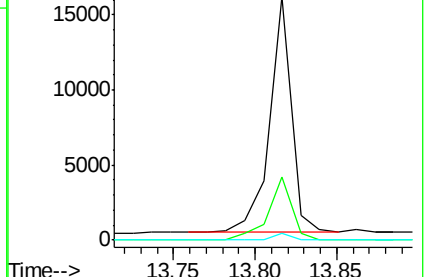
279 3.0 2.0 3.0#

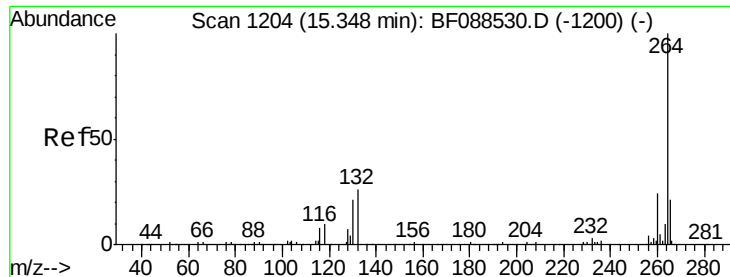


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



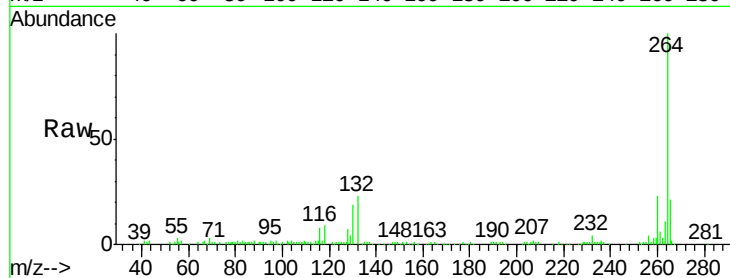


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

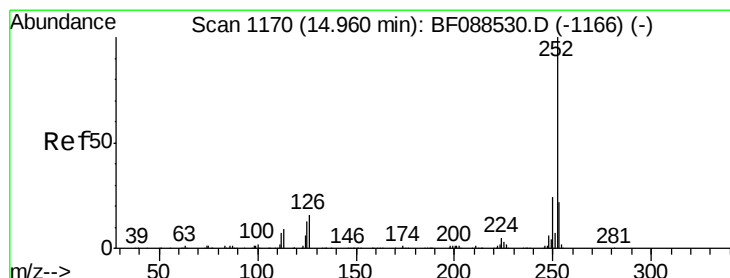
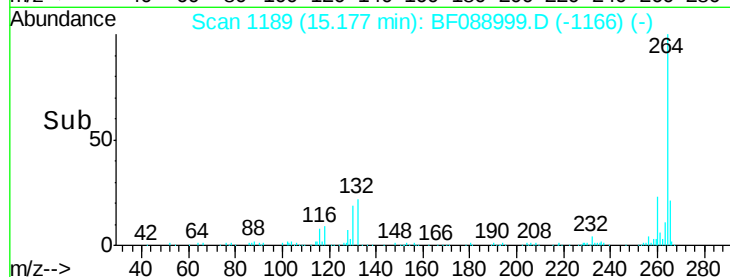
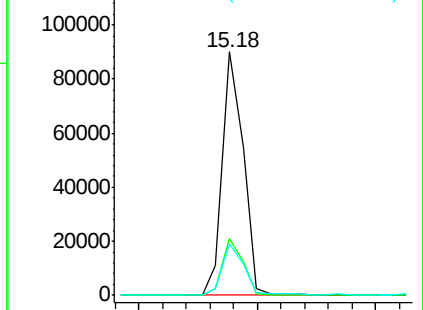
Instrument :
BNA_F
ClientSampleId :
C7-B1(0-12)C

Tgt Ion: 264 Resp: 109920

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	16.9	25.3



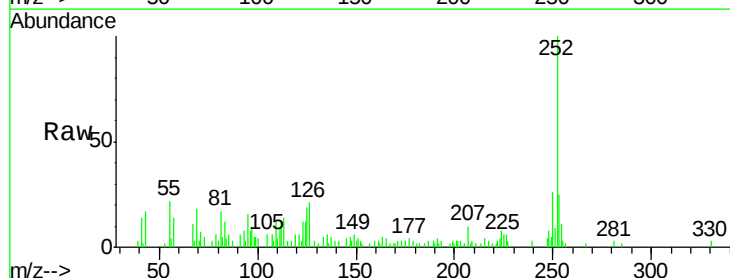
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



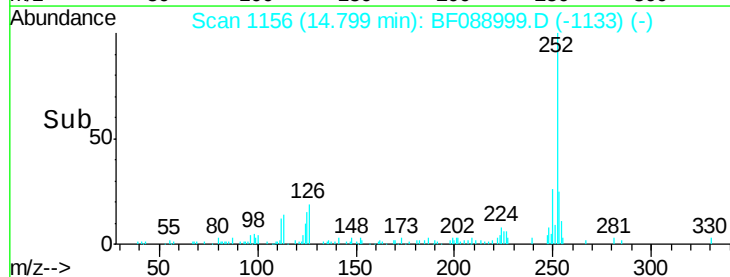
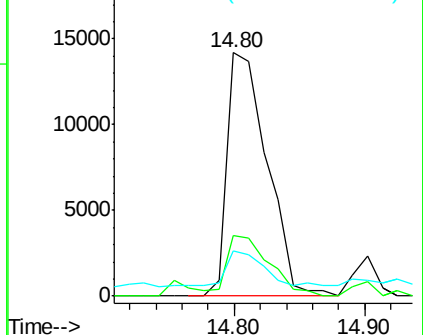
#87
Benzo(b)fluoranthene
Concen: 4.38 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF088999.D
Acq: 14 Jul 2016 21:50

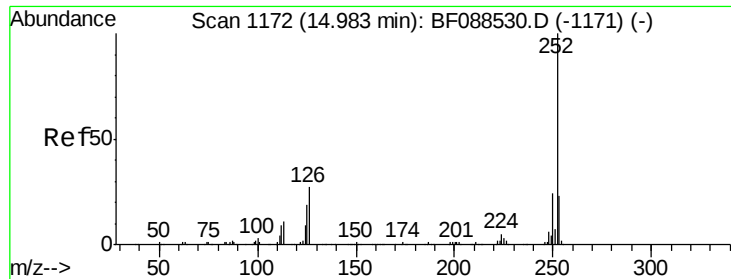
Tgt Ion: 252 Resp: 30188

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	18.8	7.1	10.7#



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





#88

Benzo(k)fluoranthene

Concen: 5.03 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

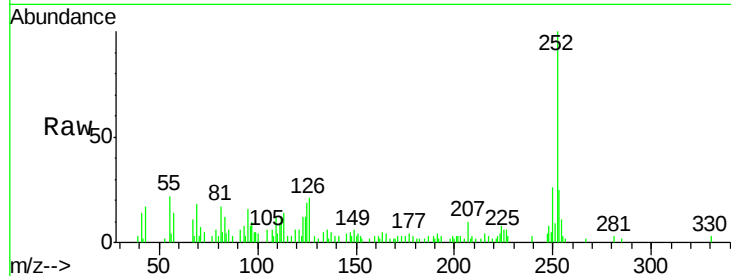
Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

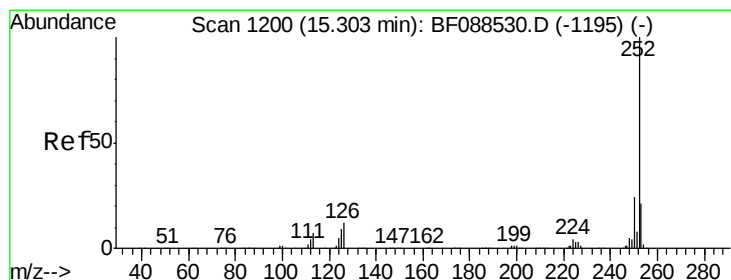
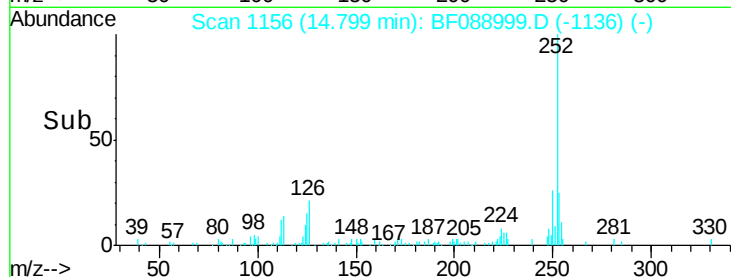
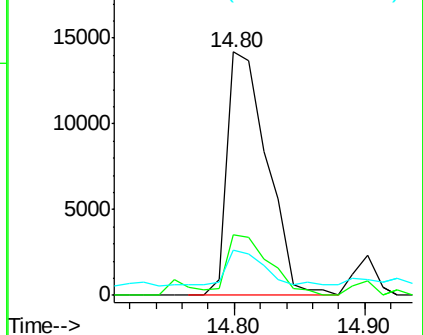
Tgt Ion:	252	Resp:	30188
Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	18.8	11.2	16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.36 ng

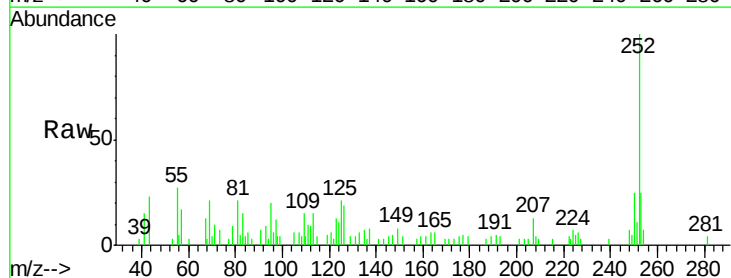
RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

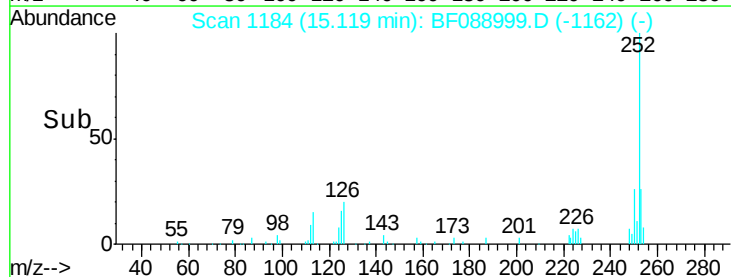
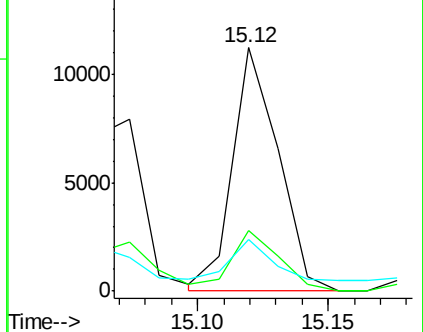
Tgt Ion:	252	Resp:	13753
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	21.3	12.5	18.7#

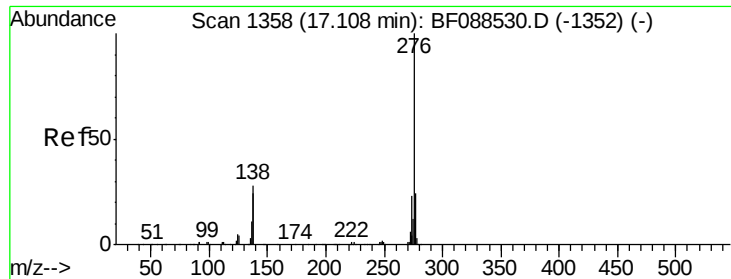


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.10 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF088999.D

Acq: 14 Jul 2016 21:50

Instrument :

BNA_F

ClientSampleId :

C7-B1(0-12)C

Tgt Ion:276 Resp: 10598

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 30.1 21.4 32.2

