

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088915.D
 Acq On : 11 Jul 2016 22:49
 Operator : UM/SJ
 Sample : H3921-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B3(0-5)C

Quant Time: Jul 12 02:07:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

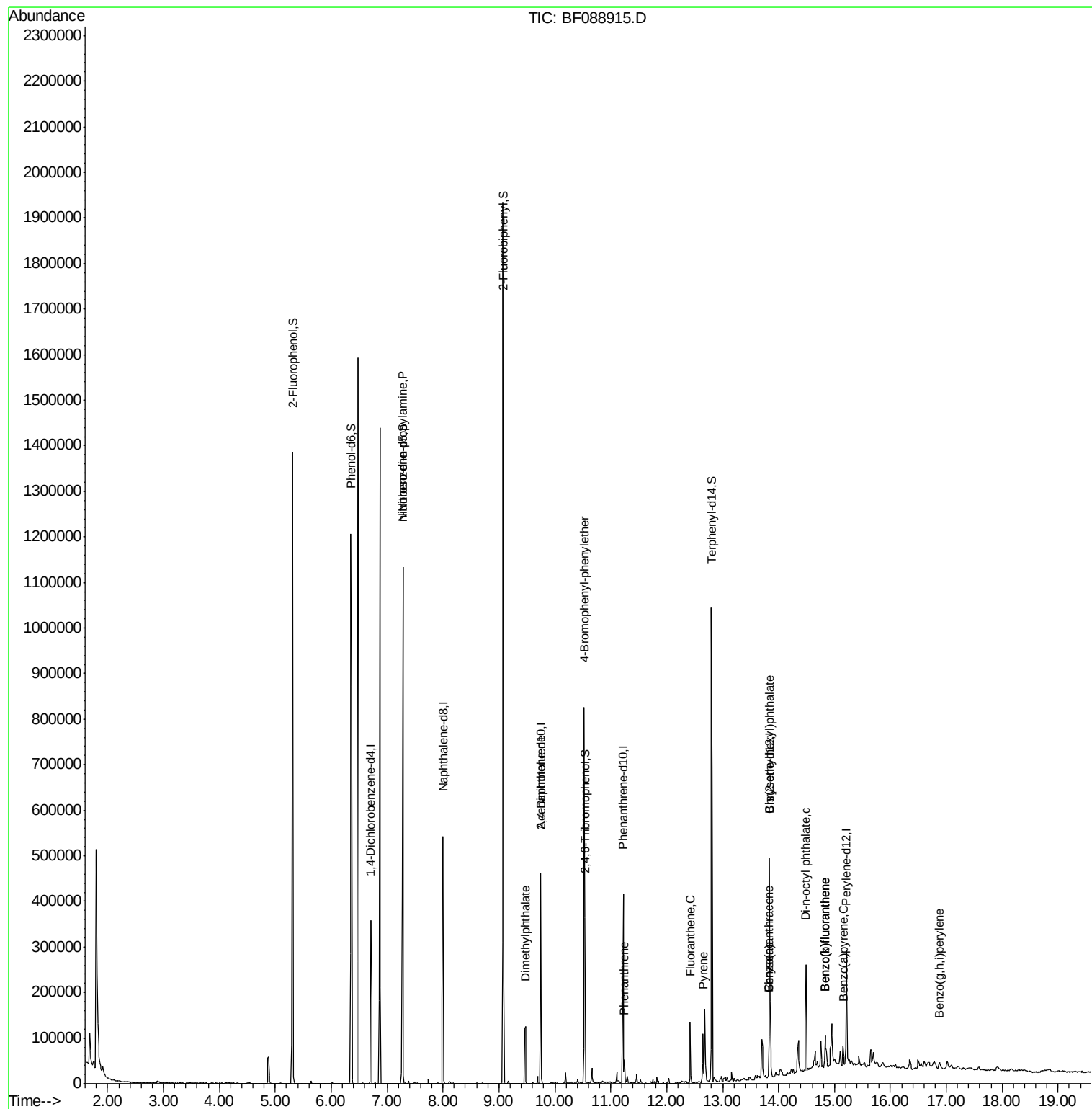
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	61680	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	255204	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	100399	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	161888	20.00	ng	0.00
75) Chrysene-d12	13.84	240	128985	20.00	ng	-0.01
86) Perylene-d12	15.21	264	115992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	510381	124.01	ng	0.02
7) Phenol-d6	6.35	99	619902	116.57	ng	0.00
23) Nitrobenzene-d5	7.28	82	388288	79.73	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	109321	117.26	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	557603	87.73	ng	0.00
78) Terphenyl-d14	12.80	244	402372	69.48	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	52747	14.77	ng	# 72
49) Dimethylphthalate	9.47	163	79364	11.10	ng	98
56) 2,4-Dinitrotoluene	9.75	165	12722	6.14	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	7062	4.33	ng	# 1
70) Phenanthrene	11.24	178	21779	2.46	ng	98
74) Fluoranthene	12.42	202	49586	5.53	ng	98
77) Pyrene	12.65	202	42681	3.90	ng	97
80) Benzo(a)anthracene	13.83	228	26329	3.17	ng	92
82) Chrysene	13.83	228	26329	3.20	ng	97
83) Bis(2-ethylhexyl)phthalate	13.84	149	19724	3.54	ng	# 99
84) Di-n-octyl phthalate	14.49	149	24809	2.62	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	40775	5.60	ng	# 92
88) Benzo(k)fluoranthene	14.83	252	40775	6.44	ng	98
89) Benzo(a)pyrene	15.15	252	17908	2.91	ng	97
91) Benzo(g,h,i)perylene	16.88	276	11195	2.10	ng	96

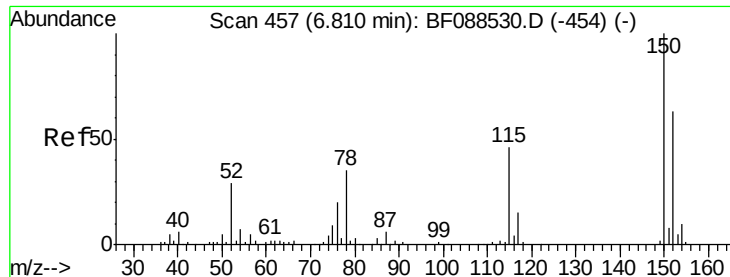
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

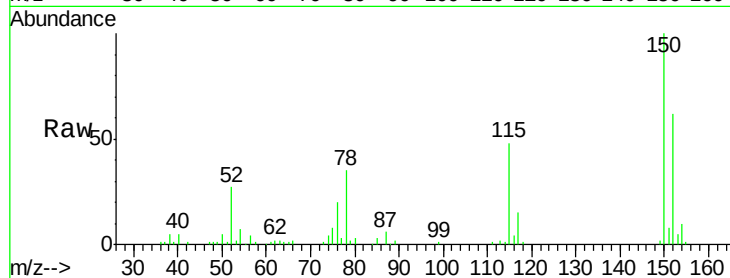
Tgt Ion:152 Resp: 61680

Ion Ratio Lower Upper

152 100

150 160.8 123.8 185.6

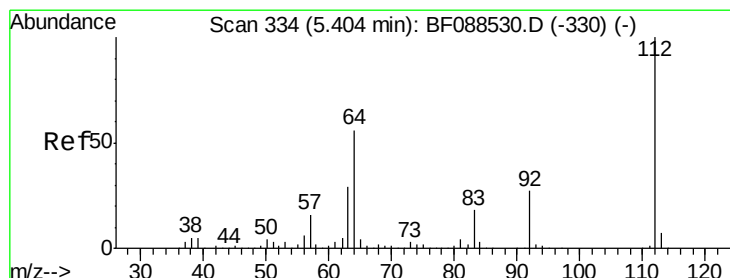
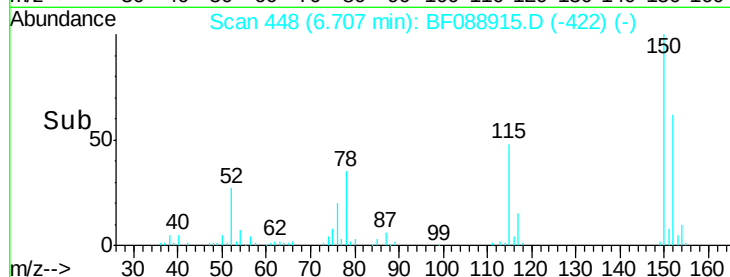
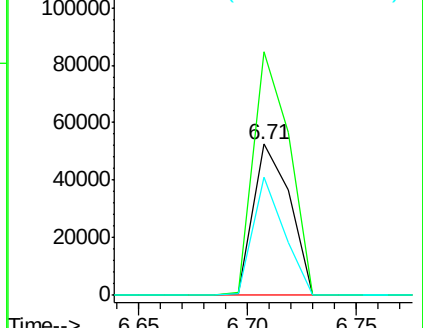
115 77.7 39.6 59.4#



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: 124.01 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

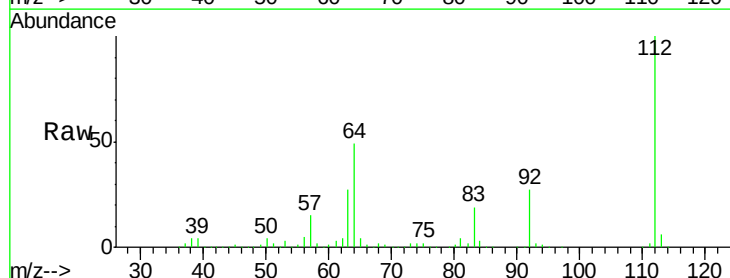
Tgt Ion:112 Resp: 510381

Ion Ratio Lower Upper

112 100

64 49.0 42.2 63.2

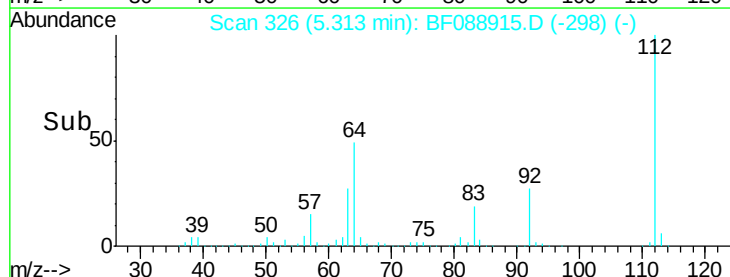
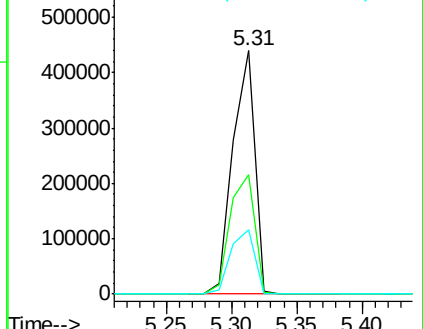
63 26.6 21.8 32.8

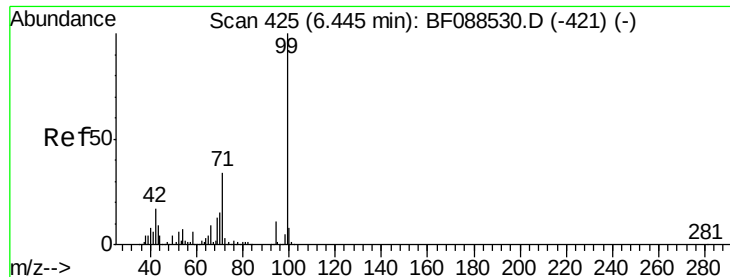


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.57 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

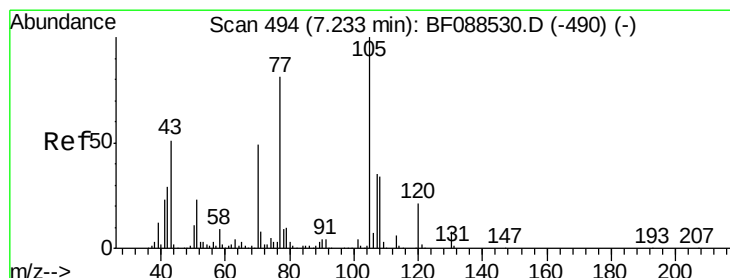
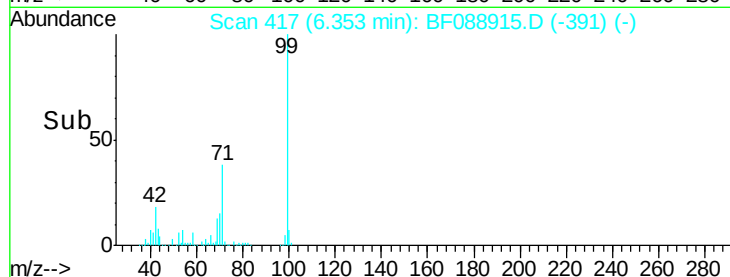
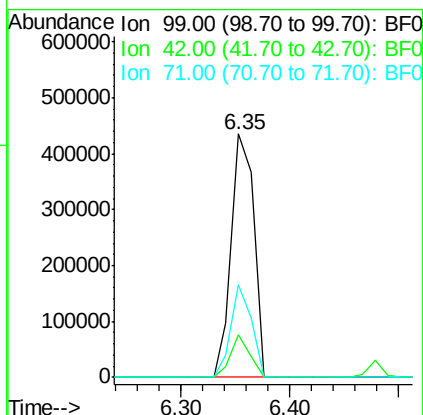
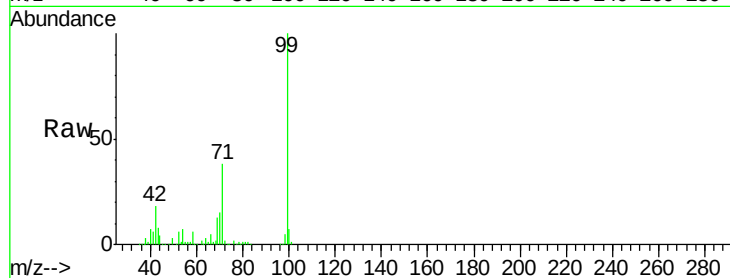
Tgt Ion: 99 Resp: 619902

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 38.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.77 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Tgt Ion: 70 Resp: 52747

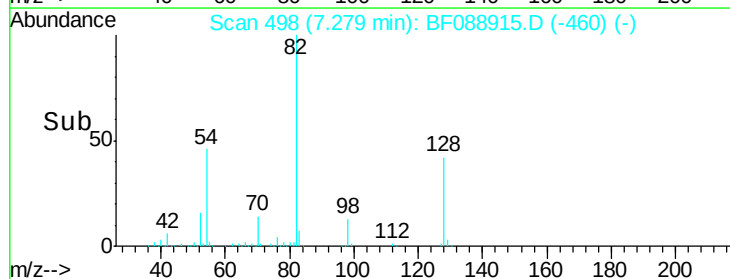
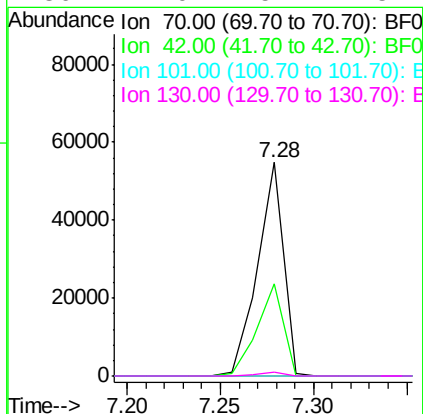
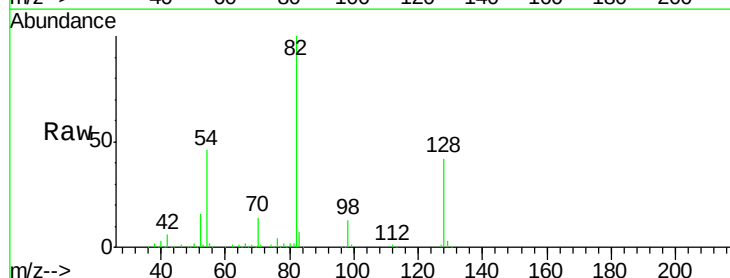
Ion Ratio Lower Upper

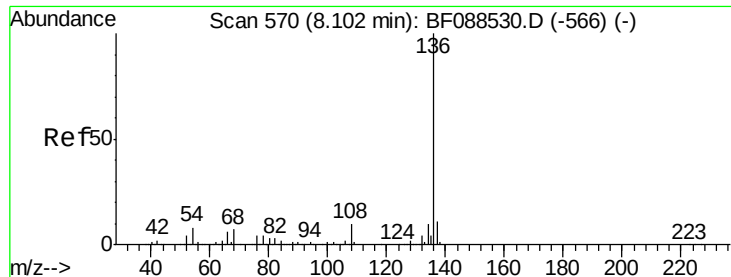
70 100

42 43.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

Tgt Ion:136 Resp: 255204

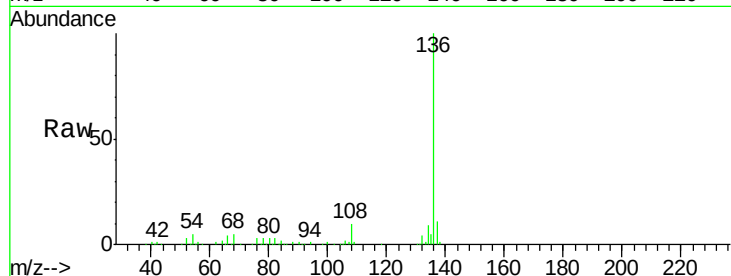
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.4 6.6 10.0#

68 4.7 5.1 7.7#

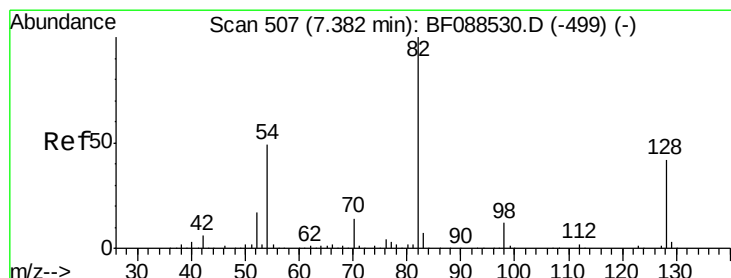
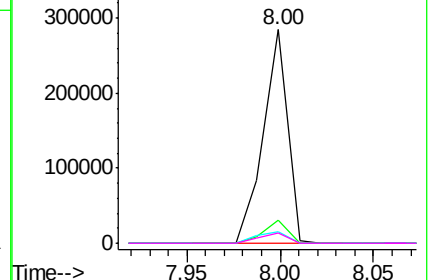
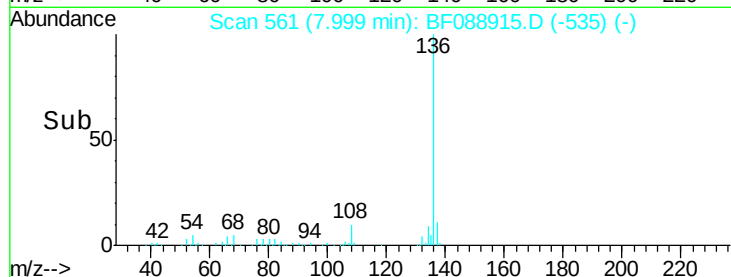


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.73 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

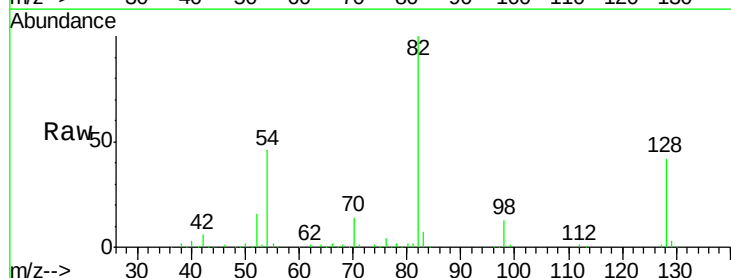
Tgt Ion: 82 Resp: 388288

Ion Ratio Lower Upper

82 100

128 42.4 35.9 53.9

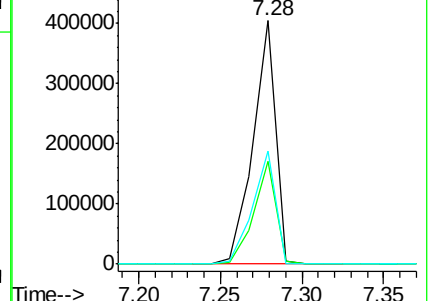
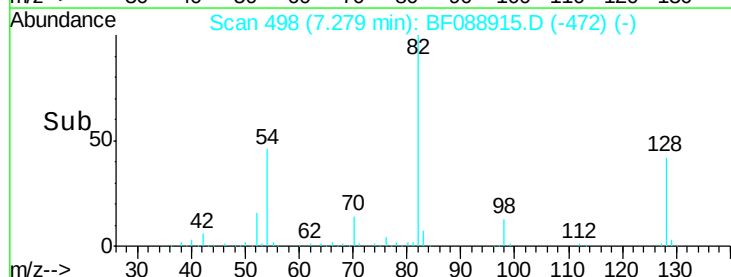
54 46.2 40.9 61.3

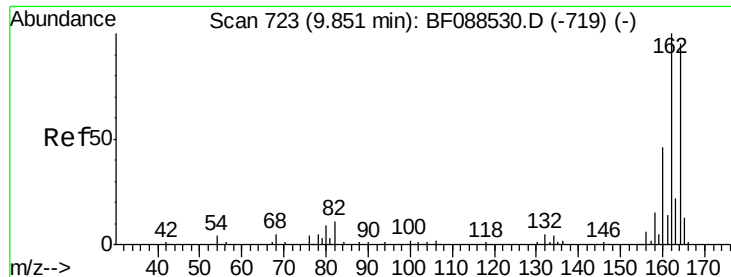


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

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ClientSampleId :

N8-B3(0-5)C

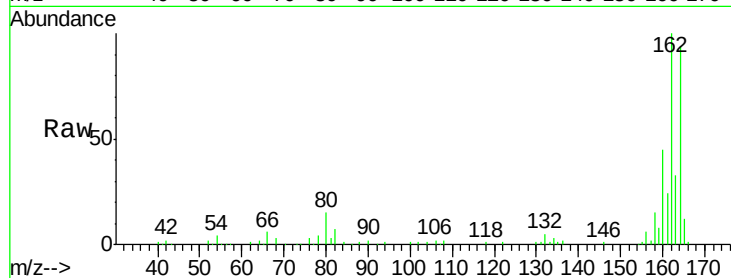
Tgt Ion:164 Resp: 100399

Ion Ratio Lower Upper

164 100

162 106.4 85.4 128.2

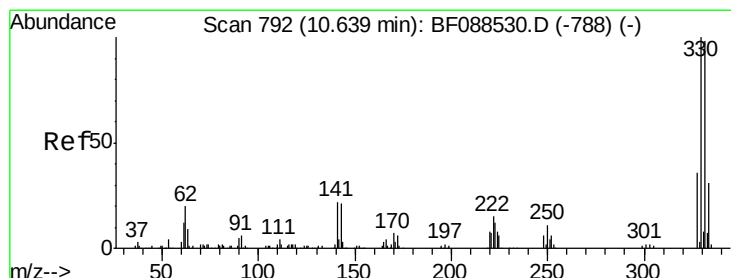
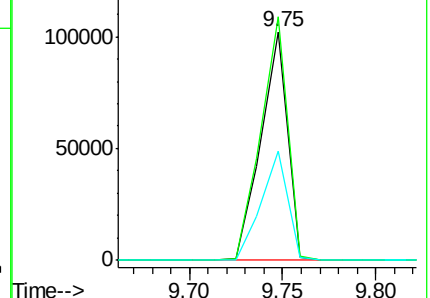
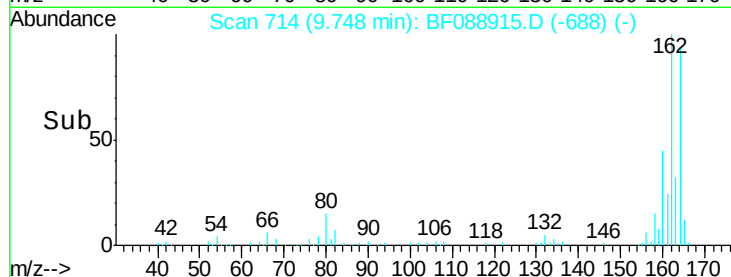
160 47.8 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.26 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

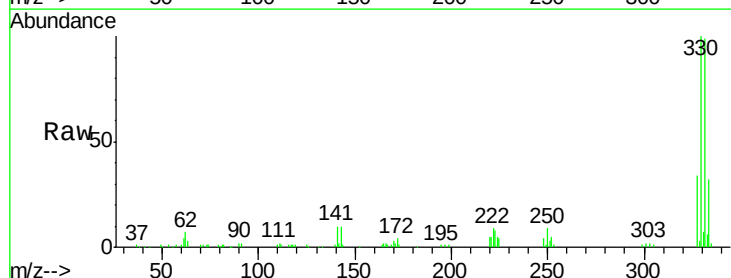
Tgt Ion:330 Resp: 109321

Ion Ratio Lower Upper

330 100

332 98.0 0.0 0.0#

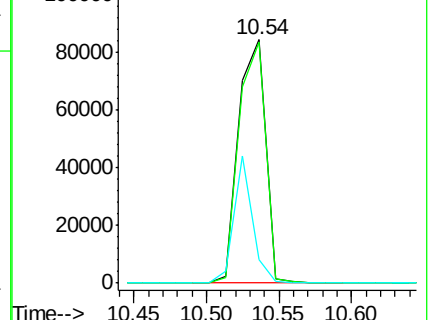
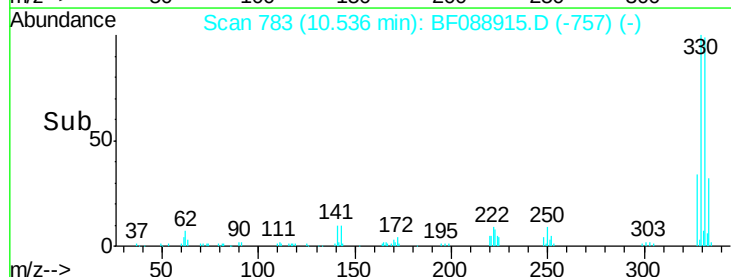
141 35.9 0.0 0.0#

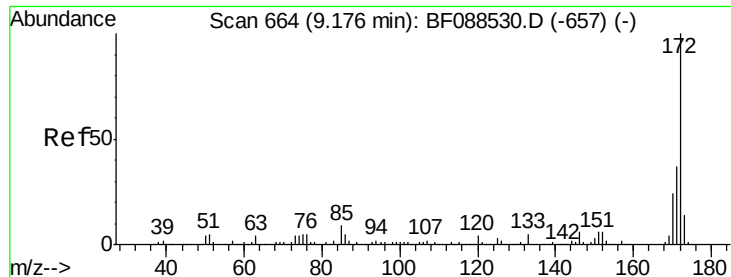


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

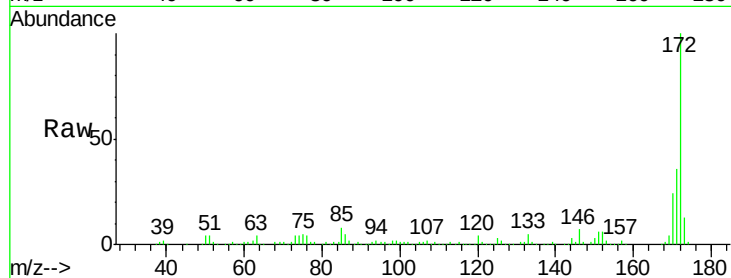




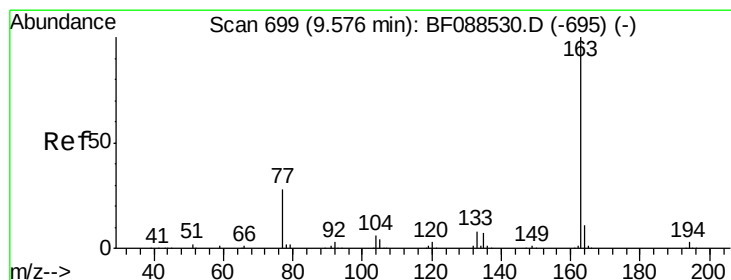
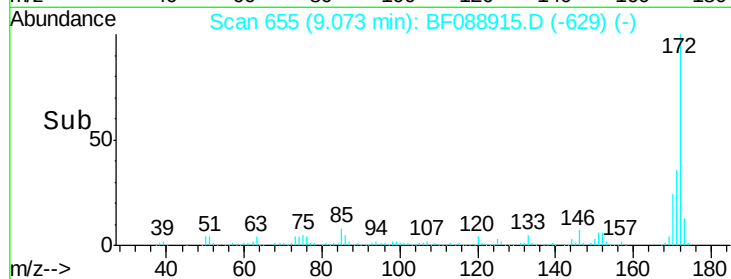
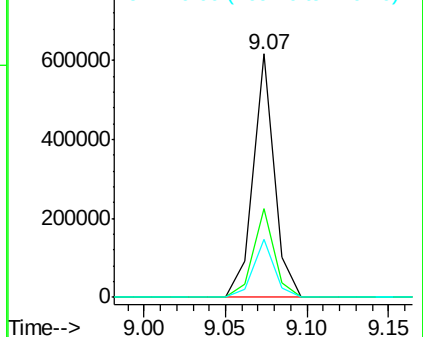
#44
 2-Fluorobiphenyl
 Concen: 87.73 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

Instrument :
 BNA_F
 ClientSampleId :
 N8-B3(0-5)C

Tgt Ion:172 Resp: 557603
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.0 19.2 28.8

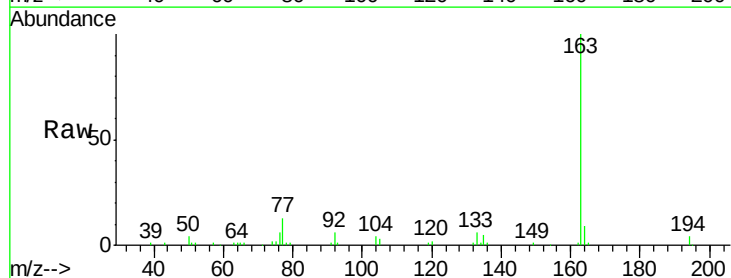


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

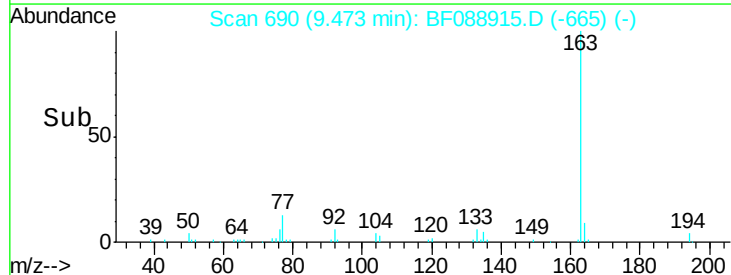
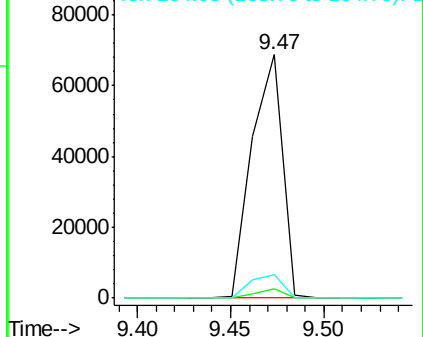


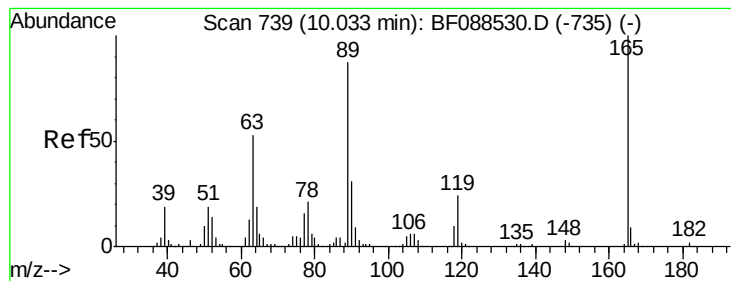
#49
 Dimethylphthalate
 Concen: 11.10 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

Tgt Ion:163 Resp: 79364
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.8 4.2
 164 9.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.14 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.19 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

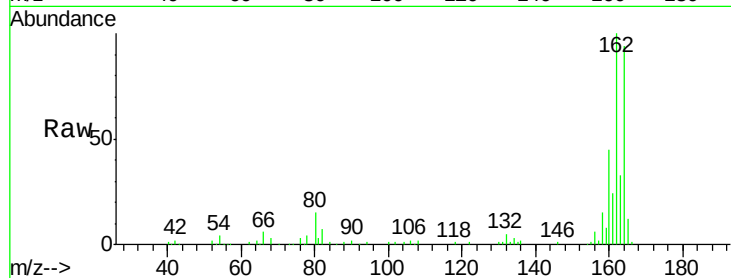
Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

Tgt Ion:	165	Resp:	12722
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#

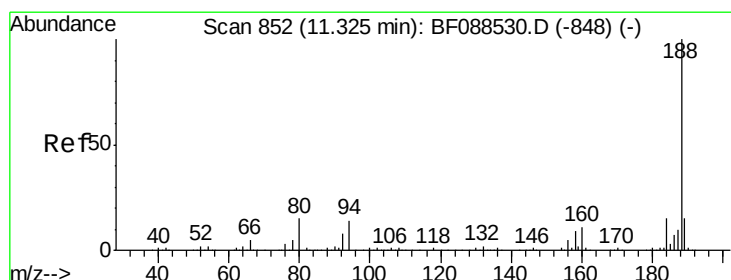
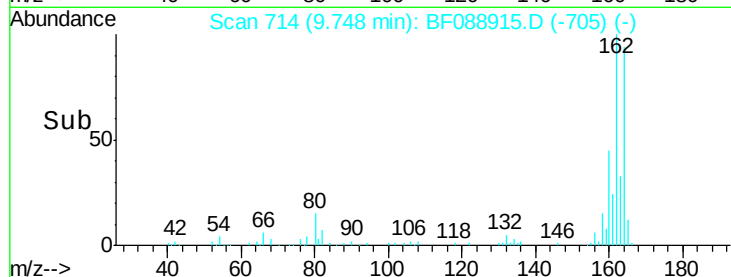
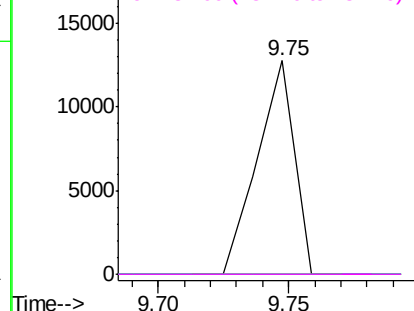


Abundance Ion 165.00 (164.70 to 165.70): E

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

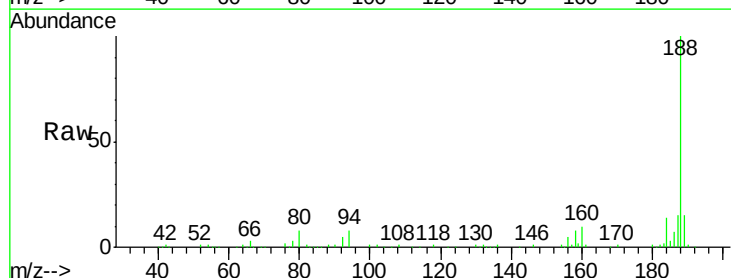
RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

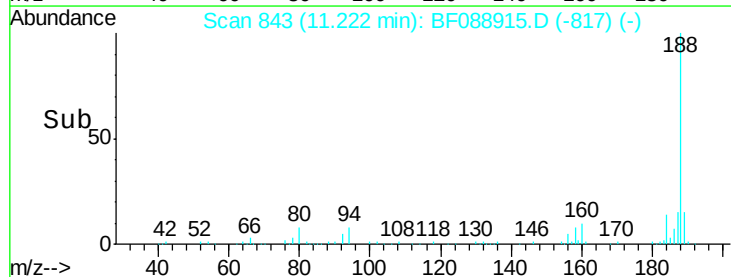
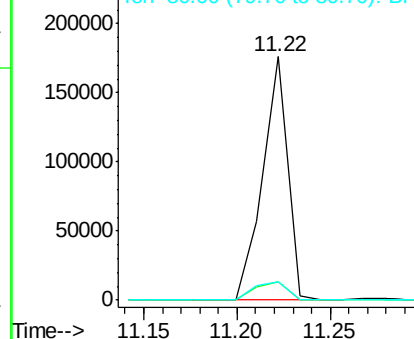
Tgt Ion:	188	Resp:	161888
Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.6#
80	7.7	10.0	15.0#

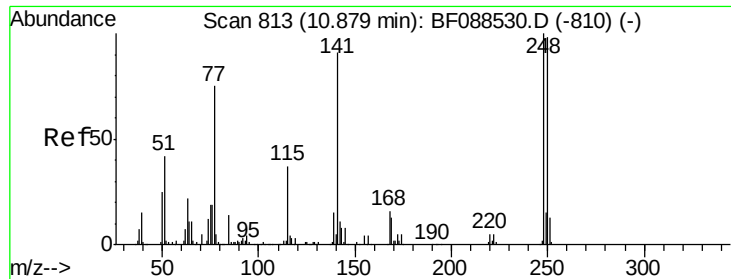


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

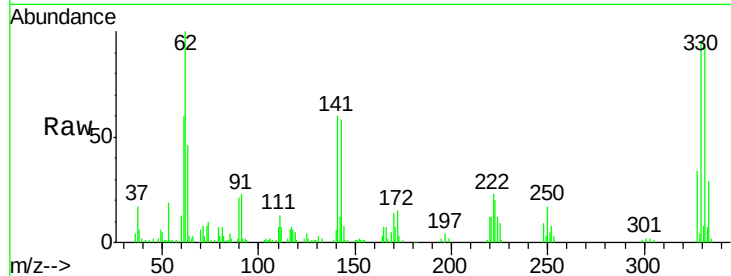




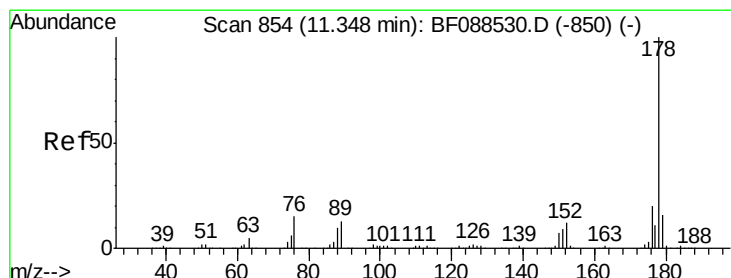
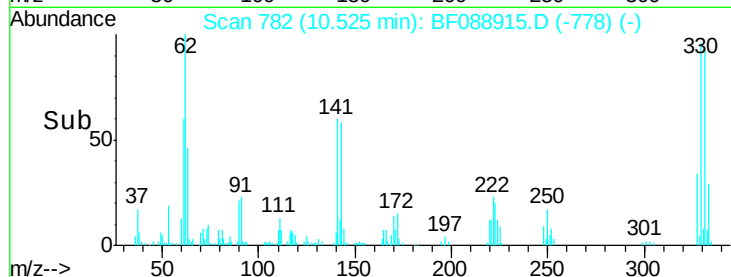
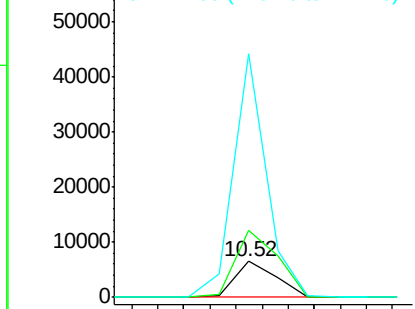
#66
4-Bromophenyl-phenylether
Concen: 4.33 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088915.D
Acq: 11 Jul 2016 22:49

Instrument :
BNA_F
ClientSampleId :
N8-B3(0-5)C

Tgt Ion:248 Resp: 7062
Ion Ratio Lower Upper
248 100
250 188.7 77.1 115.7#
141 682.3 50.6 76.0#

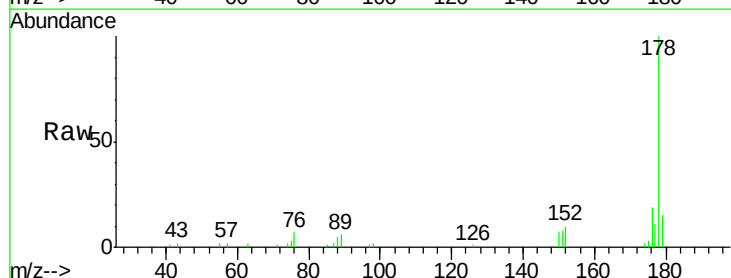


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

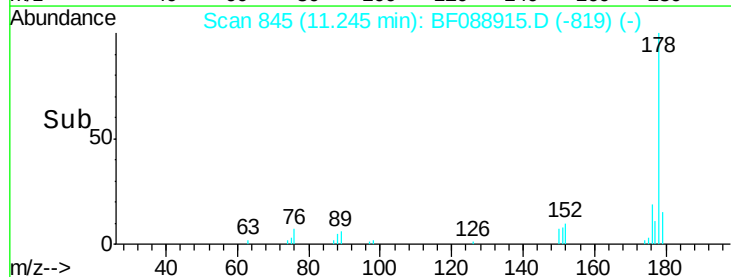
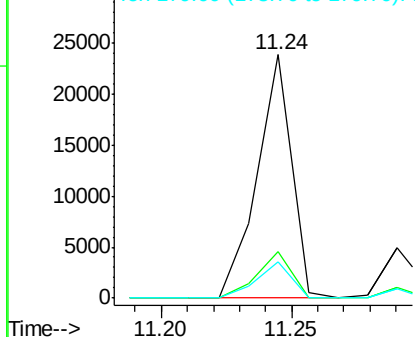


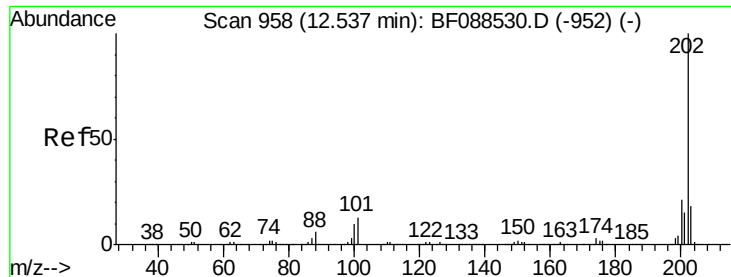
#70
Phenanthrene
Concen: 2.46 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF088915.D
Acq: 11 Jul 2016 22:49

Tgt Ion:178 Resp: 21779
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.1 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

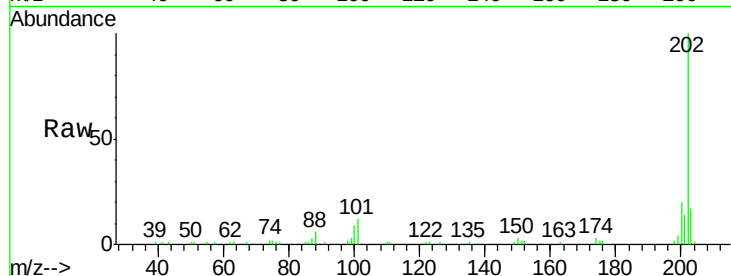




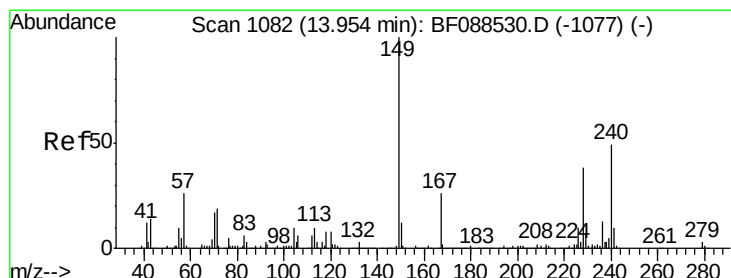
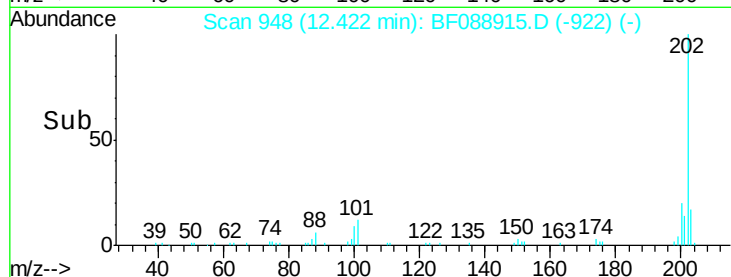
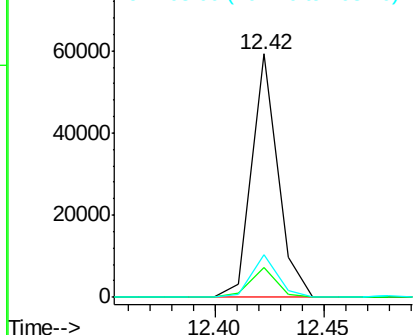
#74
 Fluoranthene
 Concen: 5.53 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

Instrument :
 BNA_F
 ClientSampleId :
 N8-B3(0-5)C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.1
203	17.4	0.0	38.1

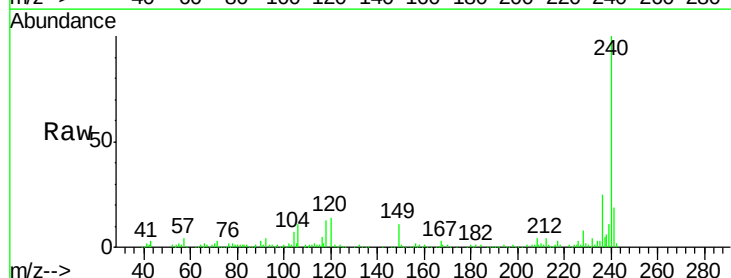


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

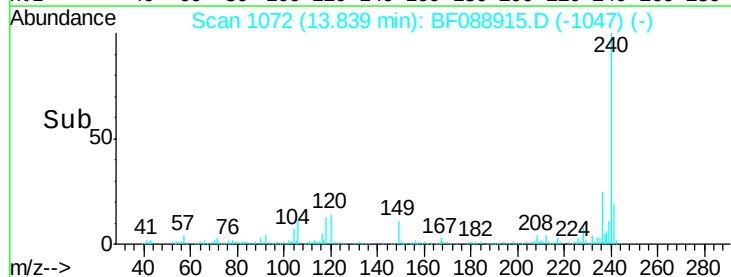
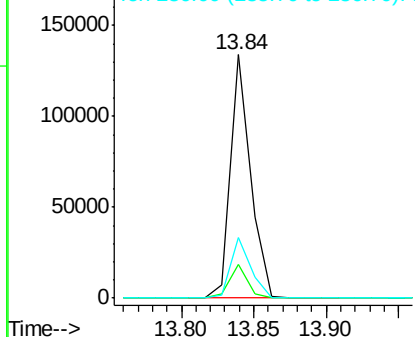


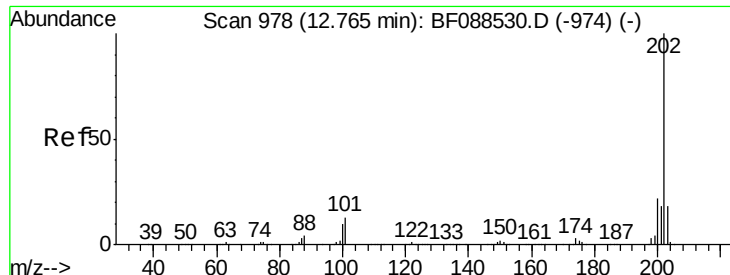
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	6.8	10.2#
236	24.9	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

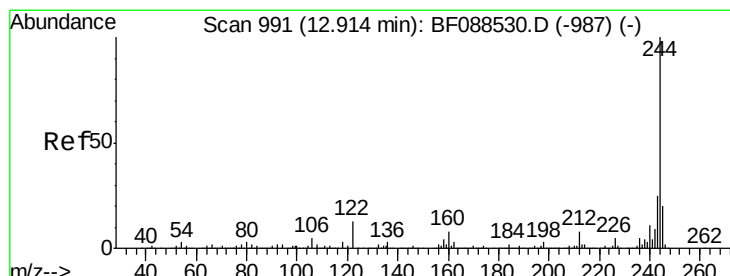
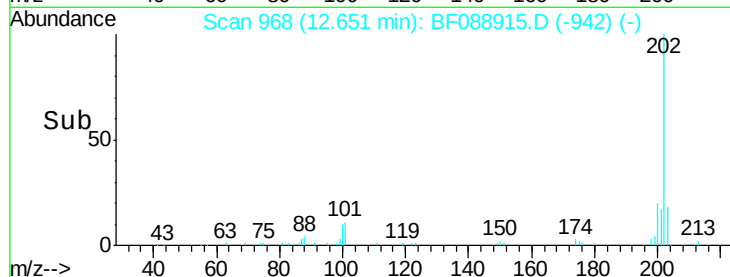
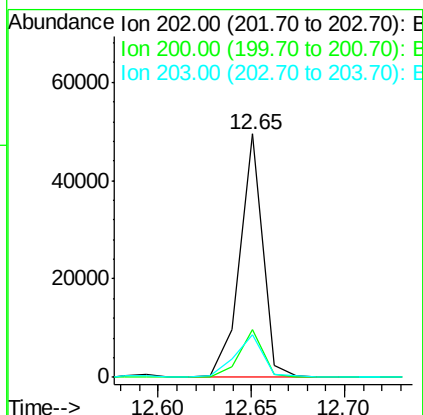
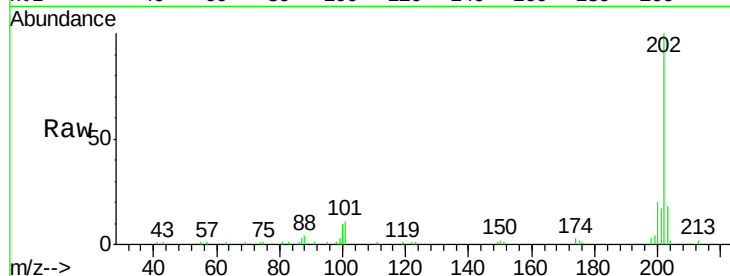




#77
 Pyrene
 Concen: 3.90 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

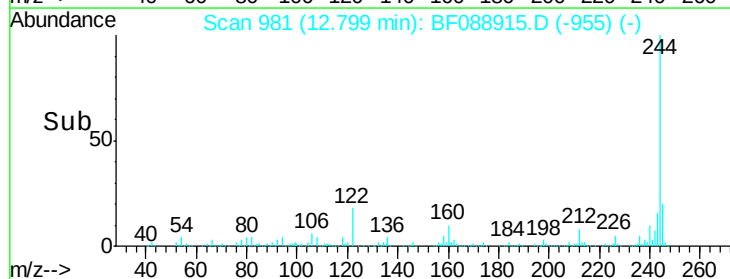
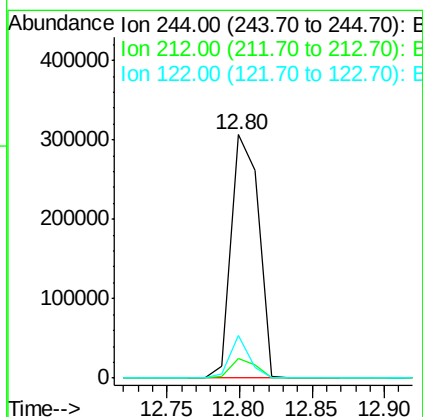
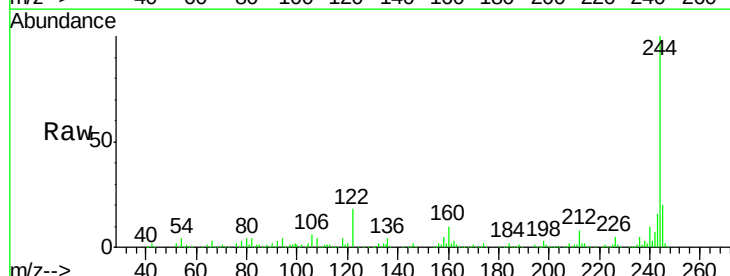
Instrument :
 BNA_F
 ClientSampleId :
 N8-B3(0-5)C

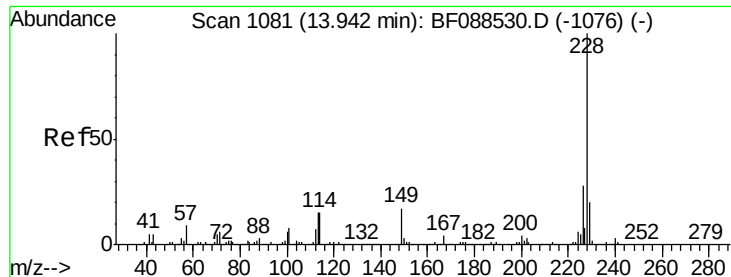
Tgt Ion: 202 Resp: 42681
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.4 26.2
 203 17.7 14.5 21.7



#78
 Terphenyl-d14
 Concen: 69.48 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BF088915.D
 Acq: 11 Jul 2016 22:49

Tgt Ion: 244 Resp: 402372
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 17.5 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 3.17 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

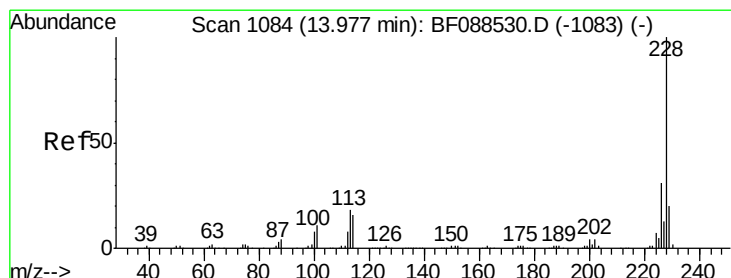
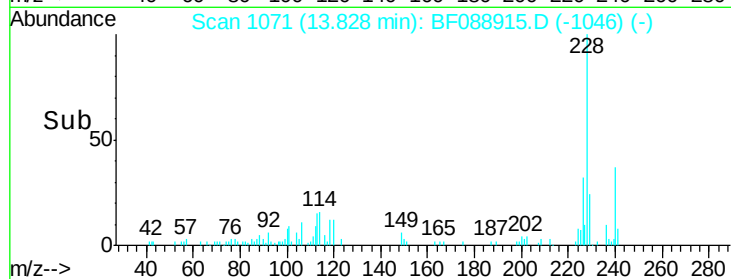
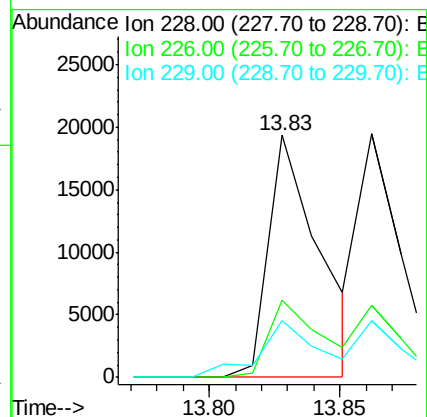
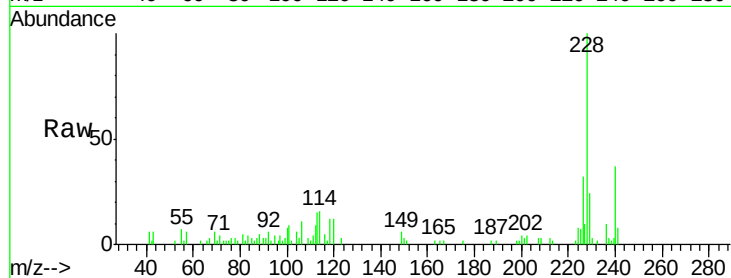
Tgt Ion: 228 Resp: 26329

Ion Ratio Lower Upper

228 100

226 31.8 22.3 33.5

229 23.6 16.0 24.0



#82

Chrysene

Concen: 3.20 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

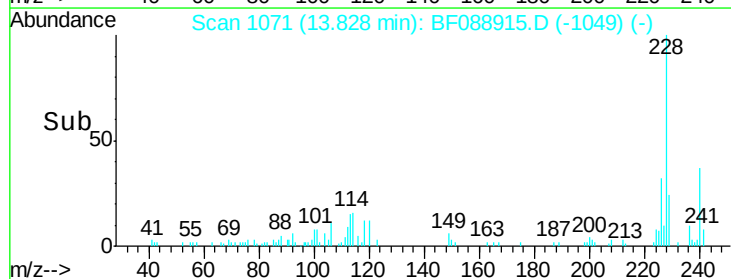
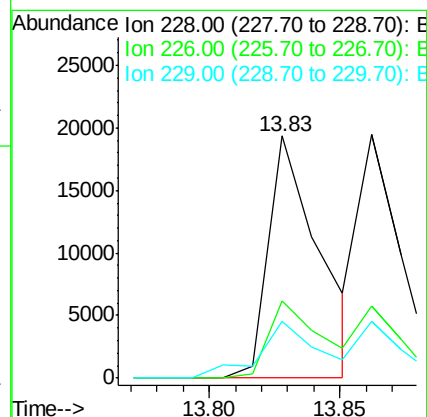
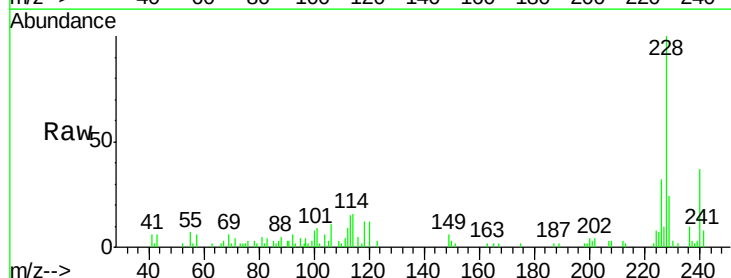
Tgt Ion: 228 Resp: 26329

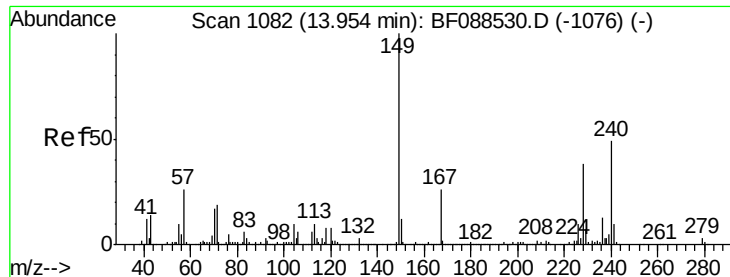
Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.2

229 23.6 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.54 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

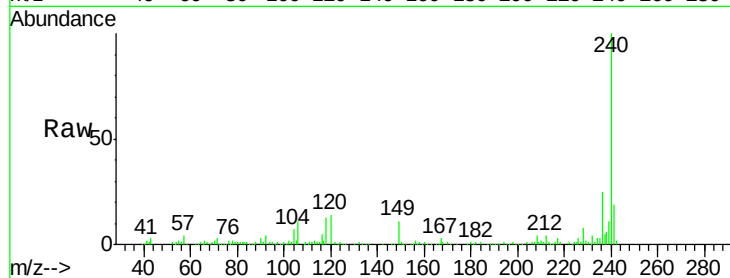
Tgt Ion:149 Resp: 19724

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

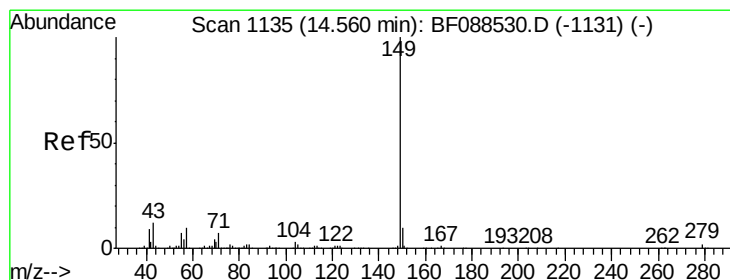
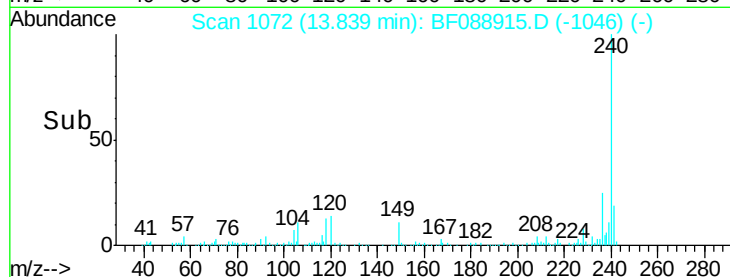
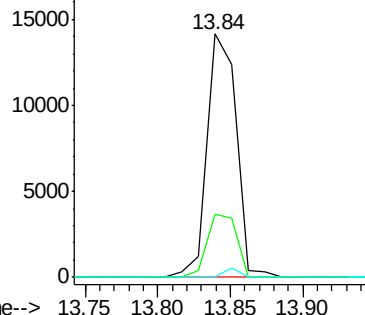
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 2.62 ng

RT: 14.49 min Scan# 1129

Delta R.T. 0.03 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

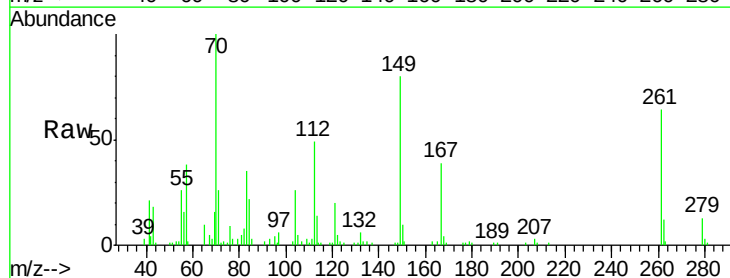
Tgt Ion:149 Resp: 24809

Ion Ratio Lower Upper

149 100

167 47.4 0.0 0.0#

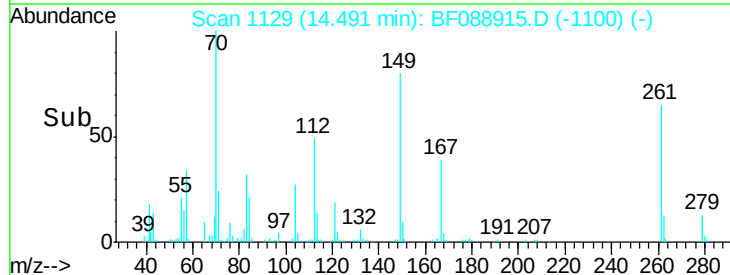
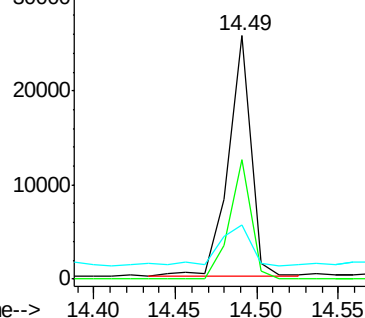
43 22.5 0.0 0.0#

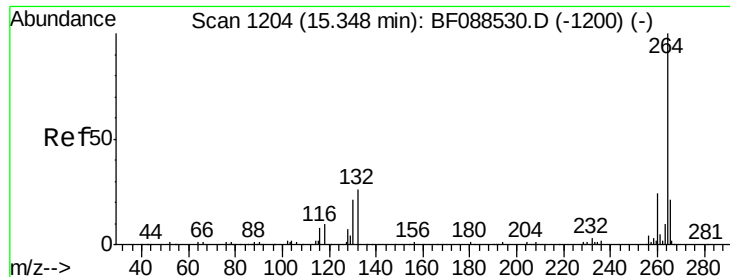


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



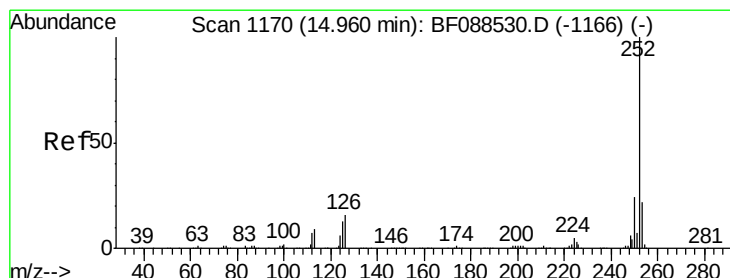
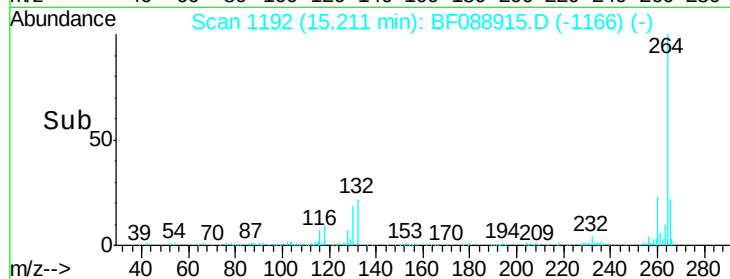
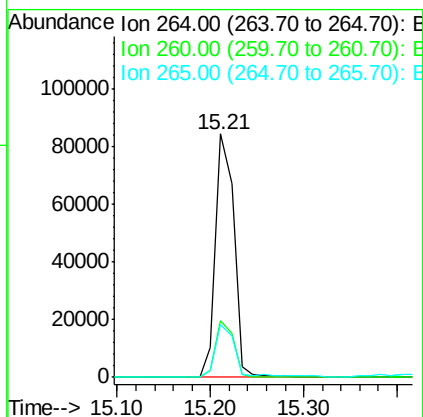
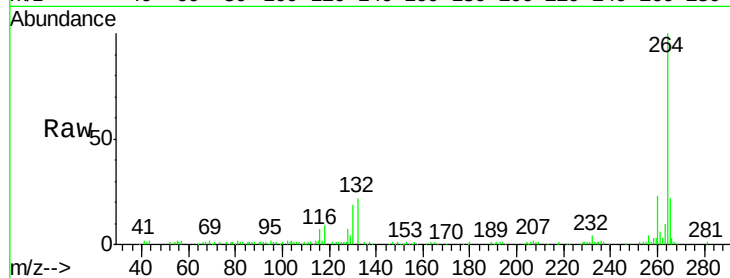


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088915.D
Acq: 11 Jul 2016 22:49

Instrument :
BNA_F
ClientSampled :
N8-B3(0-5)C

Tgt Ion: 264 Resp: 115992

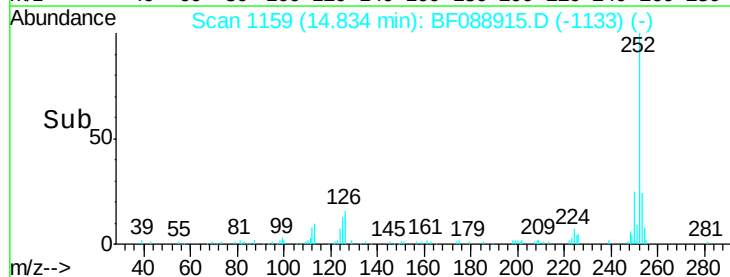
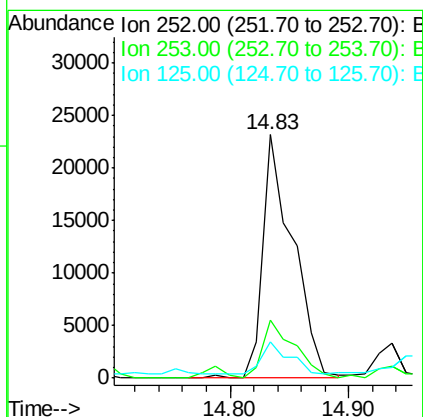
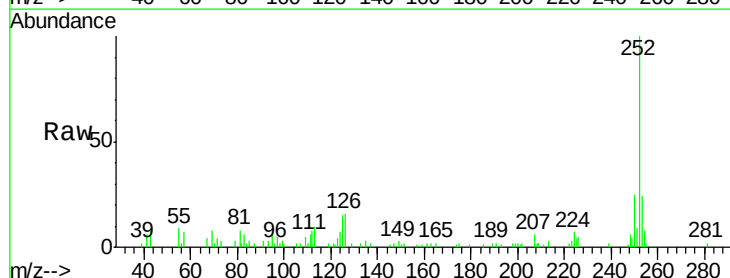
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	16.9	25.3

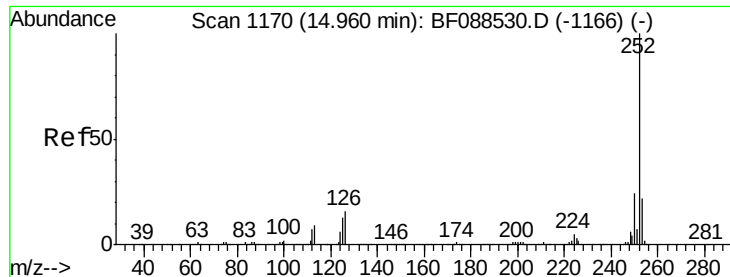


#87
Benzo(b)fluoranthene
Concen: 5.60 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF088915.D
Acq: 11 Jul 2016 22:49

Tgt Ion: 252 Resp: 40775

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	14.9	7.1	10.7





#88

Benzo(k)fluoranthene

Concen: 6.44 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

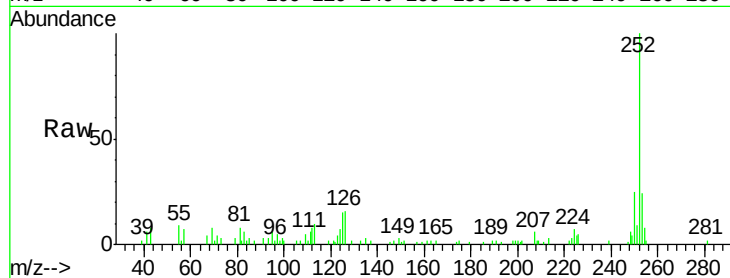
Tgt Ion:252 Resp: 40775

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

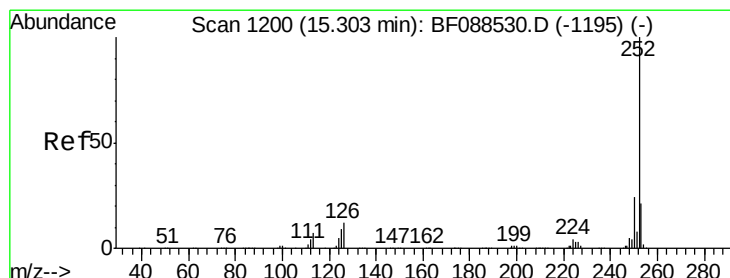
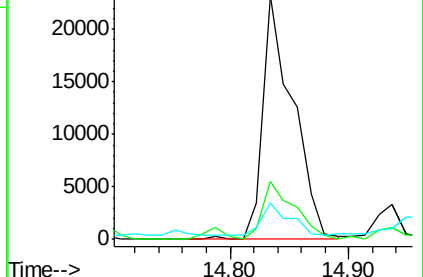
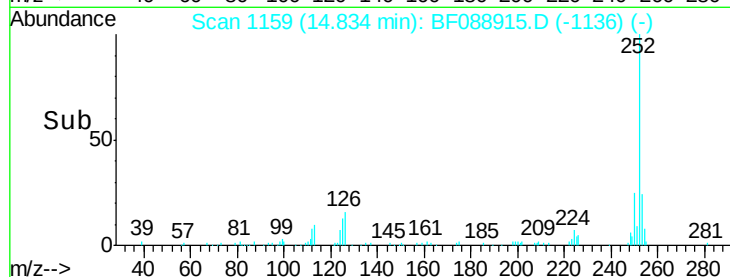
125 14.9 11.2 16.8



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: 2.91 ng

RT: 15.15 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

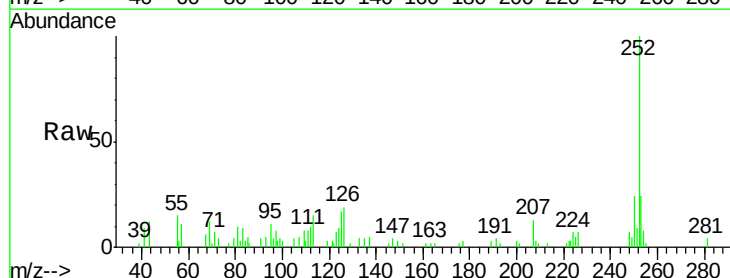
Tgt Ion:252 Resp: 17908

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

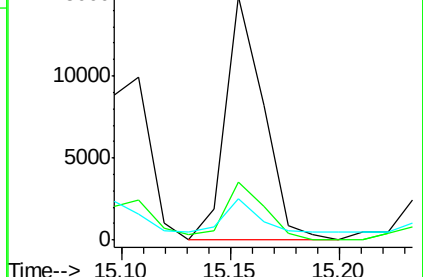
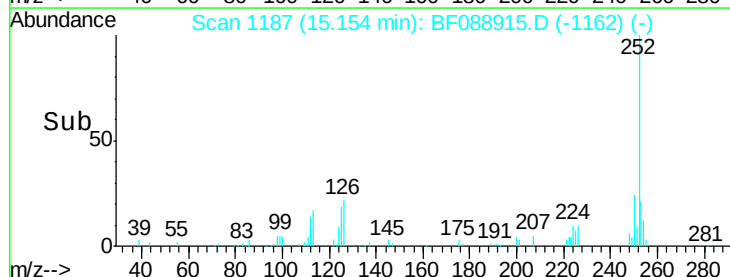
125 17.1 12.5 18.7

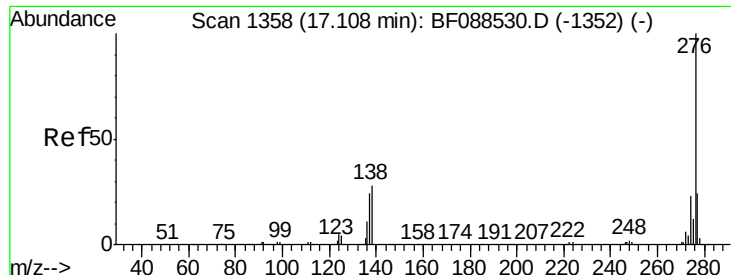


Abundance Ion 252.00 (251.70 to 252.70): E

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: 16.88 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF088915.D

Acq: 11 Jul 2016 22:49

Instrument :

BNA_F

ClientSampleId :

N8-B3(0-5)C

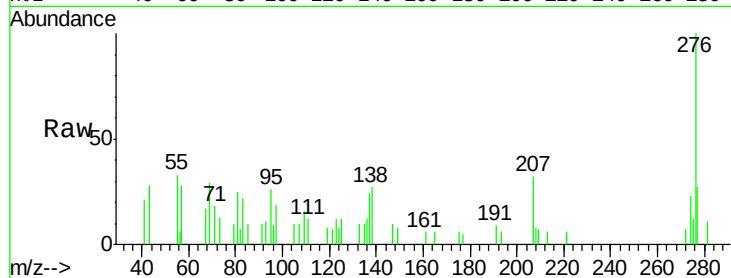
Tgt Ion: 276 Resp: 11195

Ion Ratio Lower Upper

276 100

277 26.8 18.9 28.3

138 27.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

