

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088909.D
 Acq On : 11 Jul 2016 19:54
 Operator : UM/SJ
 Sample : H3915-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Quant Time: Jul 12 02:04:26 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

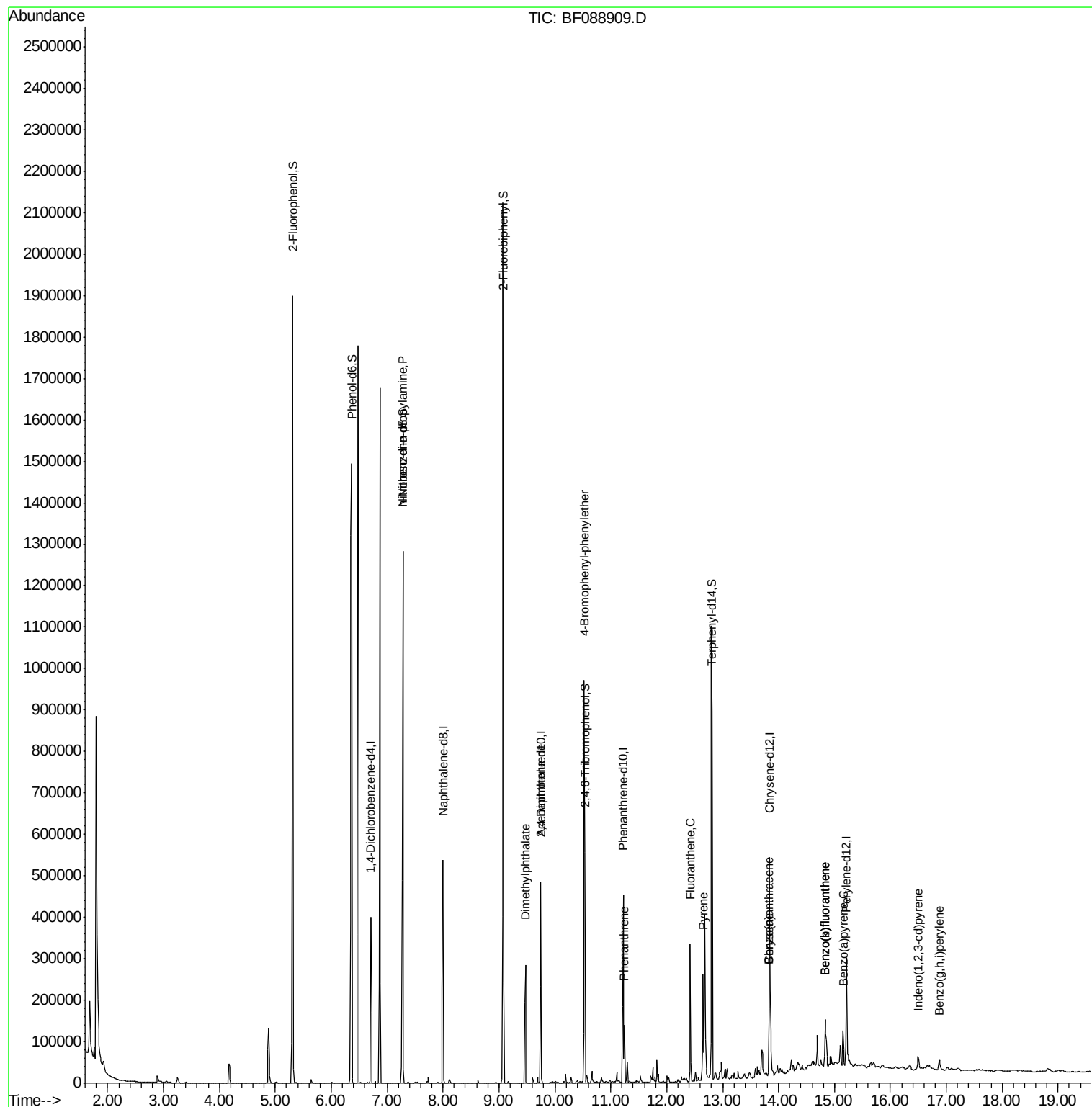
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	67050	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	270731	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	106983	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	178685	20.00	ng	0.00
75) Chrysene-d12	13.84	240	137205	20.00	ng	-0.01
86) Perylene-d12	15.21	264	124536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	594978	132.99	ng	0.02
7) Phenol-d6	6.36	99	831499	143.84	ng	0.01
23) Nitrobenzene-d5	7.28	82	449998	87.10	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	148370	149.35	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	623943	92.12	ng	0.00
78) Terphenyl-d14	12.81	244	466889	75.79	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	62241	16.03	ng	# 71
49) Dimethylphthalate	9.47	163	157618	20.68	ng	99
56) 2,4-Dinitrotoluene	9.75	165	13488	6.11	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	9386	5.21	ng	# 1
70) Phenanthrene	11.24	178	56597	5.79	ng	97
74) Fluoranthene	12.42	202	118641	11.98	ng	99
77) Pyrene	12.65	202	99191	8.53	ng	97
80) Benzo(a)anthracene	13.83	228	63199	7.15	ng	94
82) Chrysene	13.83	228	63199	7.23	ng	99
85) Indeno(1,2,3-cd)pyrene	16.49	276	18925	2.81	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	72620	9.30	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	72620	10.68	ng	99
89) Benzo(a)pyrene	15.15	252	33482	5.06	ng	99
91) Benzo(g,h,i)perylene	16.88	276	15759	2.76	ng	96

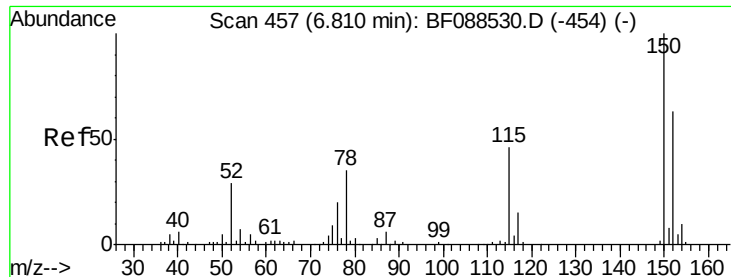
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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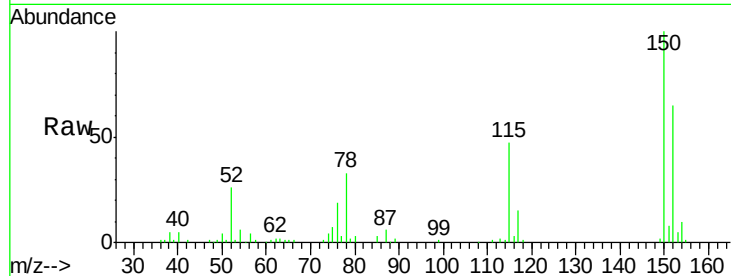


#1

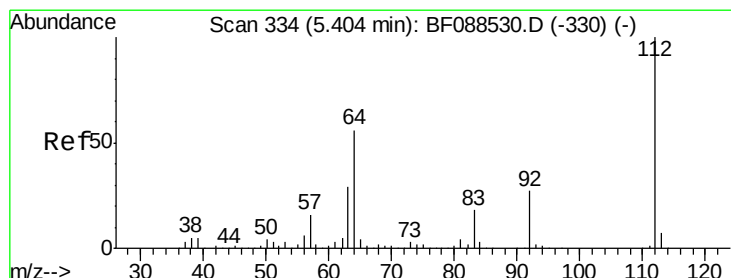
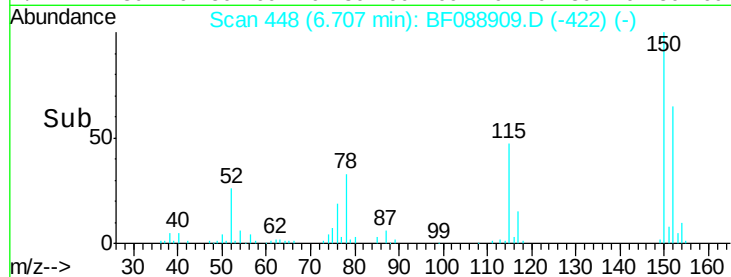
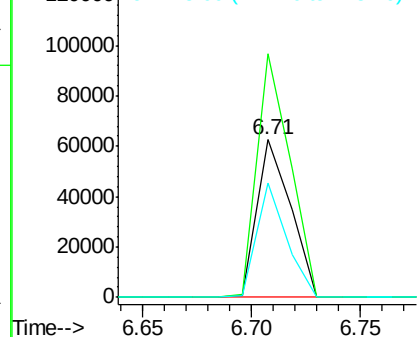
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion:152 Resp: 67050
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.6
115 72.8 39.6 59.4#



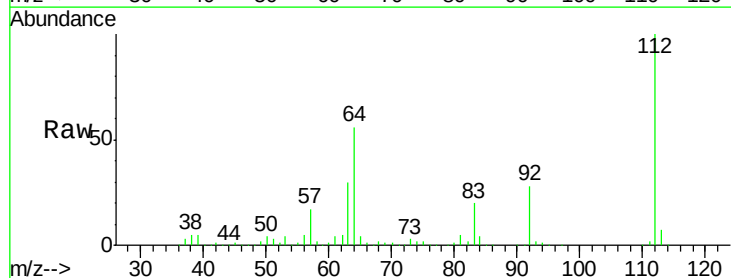
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



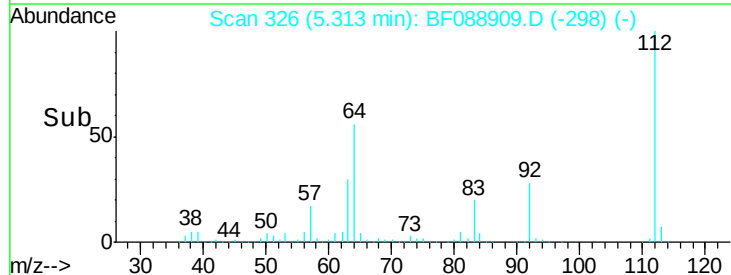
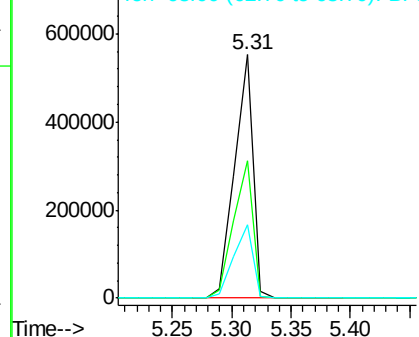
#5

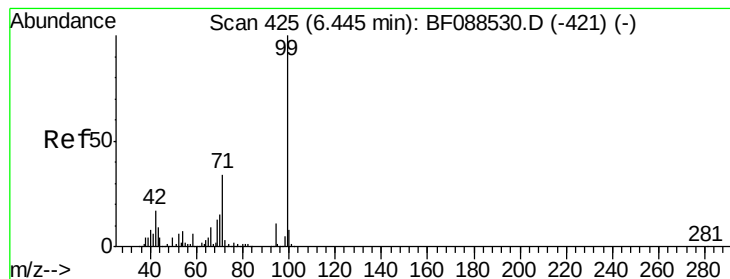
2-Fluorophenol
Concen: 132.99 ng
RT: 5.31 min Scan# 326
Delta R.T. 0.02 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion:112 Resp: 594978
Ion Ratio Lower Upper
112 100
64 56.3 42.2 63.2
63 30.3 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: 143.84 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

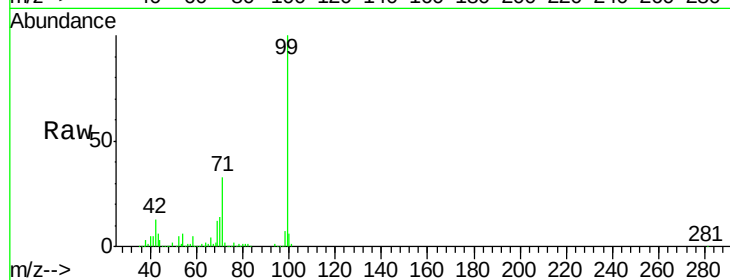
Tgt Ion: 99 Resp: 831499

Ion Ratio Lower Upper

99 100

42 13.2 12.2 18.2

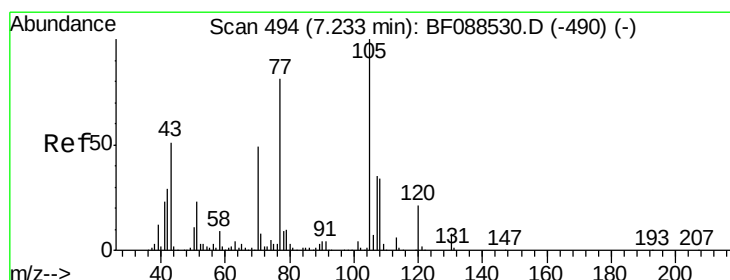
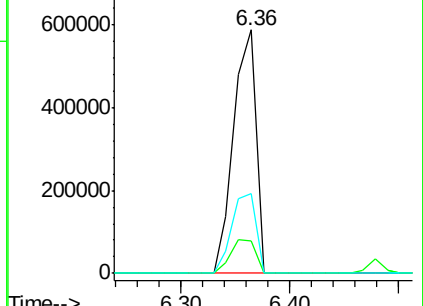
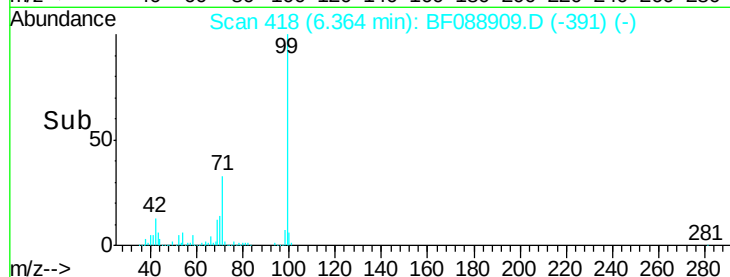
71 33.0 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.03 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion: 70 Resp: 62241

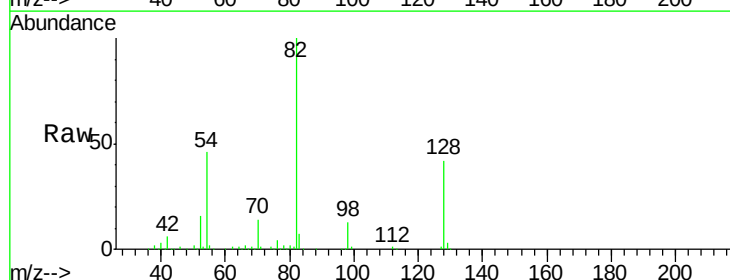
Ion Ratio Lower Upper

70 100

42 41.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

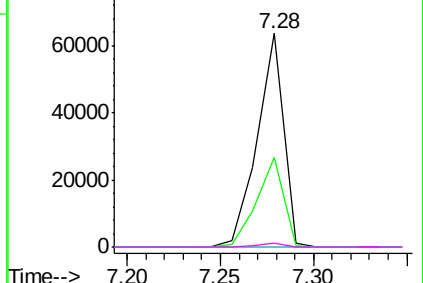
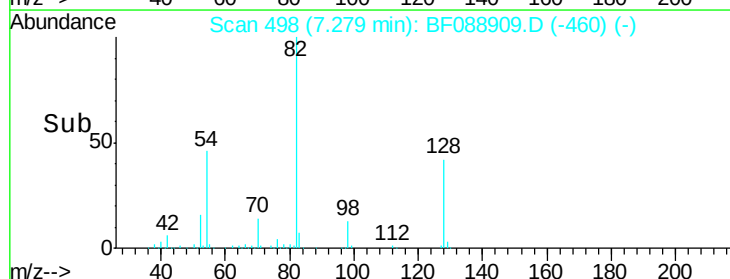


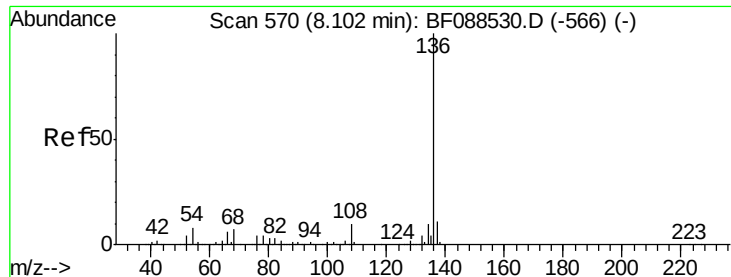
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

Tgt Ion:136 Resp: 270731

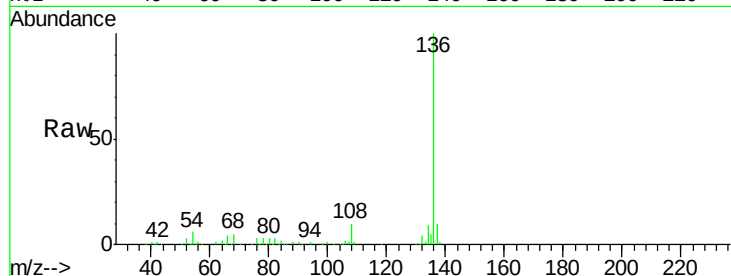
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.6 6.6 10.0#

68 4.7 5.1 7.7#

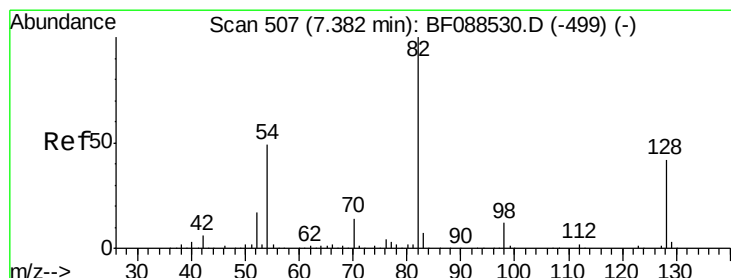
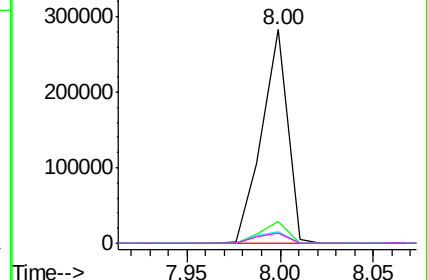
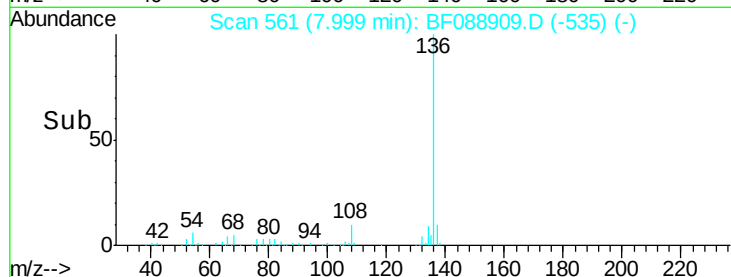


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.10 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

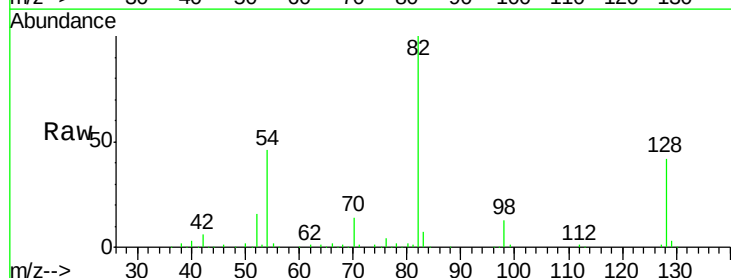
Tgt Ion: 82 Resp: 449998

Ion Ratio Lower Upper

82 100

128 41.9 35.9 53.9

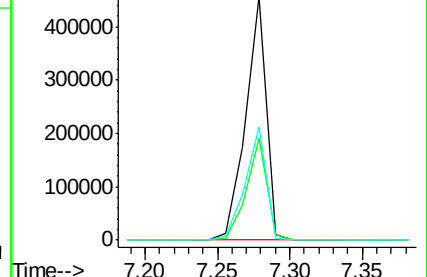
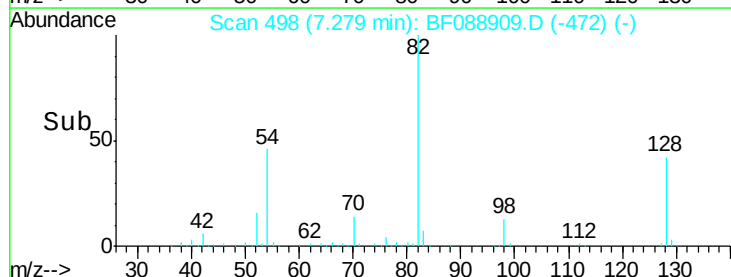
54 46.4 40.9 61.3

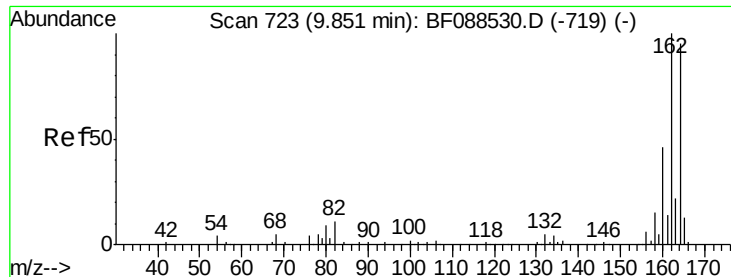


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

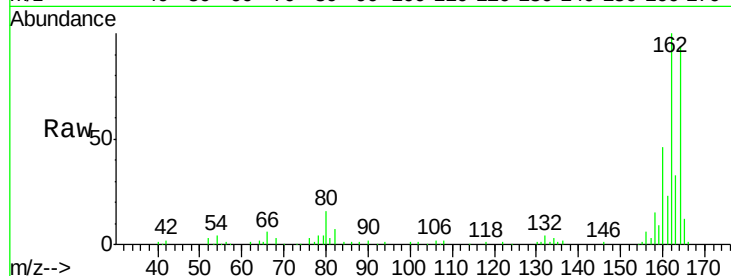
Tgt Ion:164 Resp: 106983

Ion Ratio Lower Upper

164 100

162 106.8 85.4 128.2

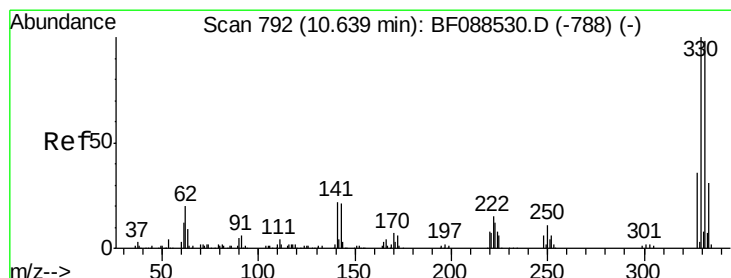
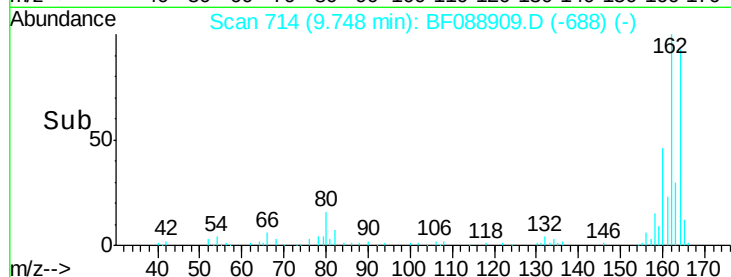
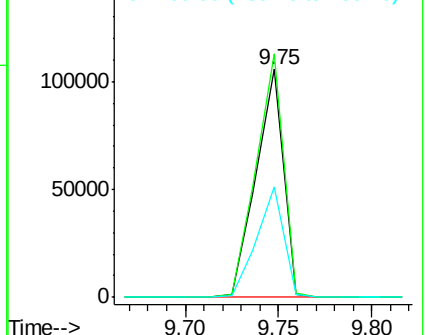
160 48.6 39.5 59.3



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: 149.35 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

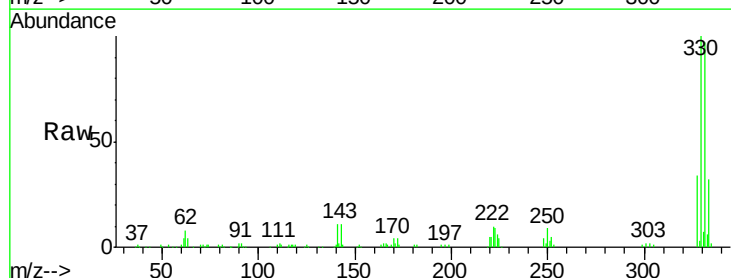
Tgt Ion:330 Resp: 148370

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

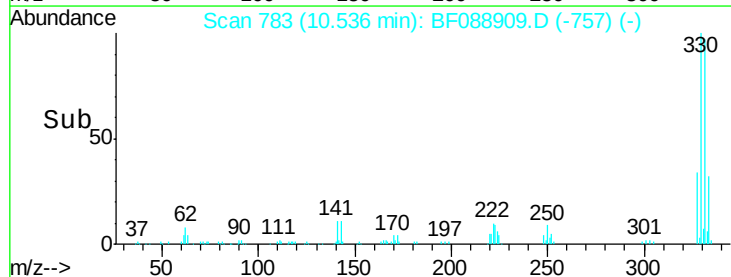
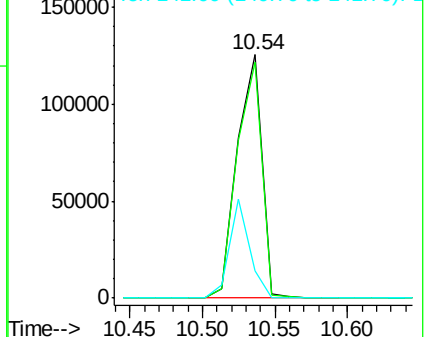
141 33.5 0.0 0.0#

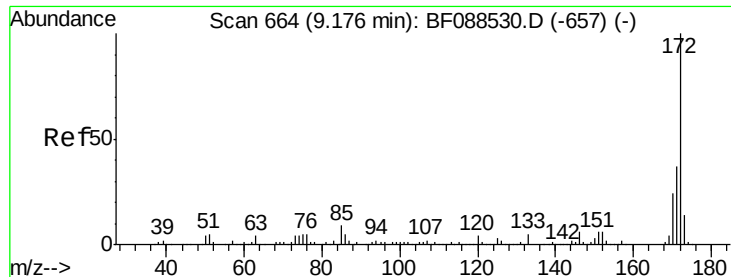


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

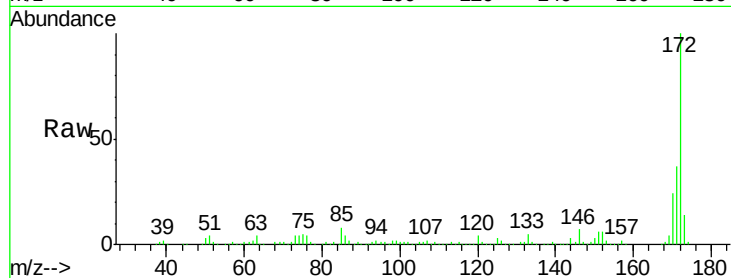




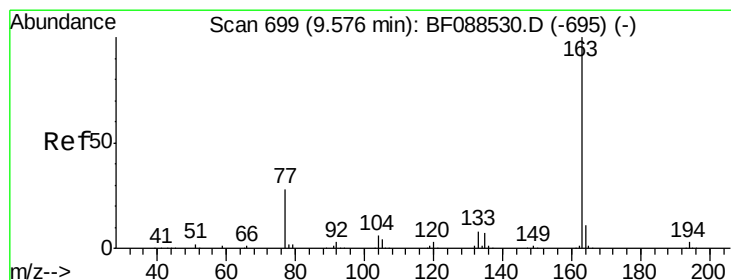
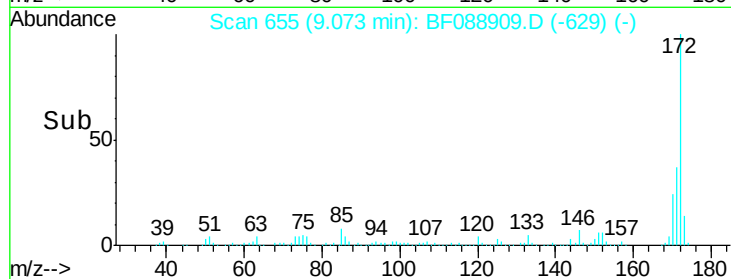
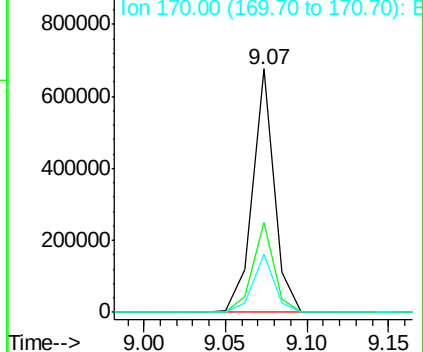
#44
 2-Fluorobiphenyl
 Concen: 92.12 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion:172 Resp: 623943
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 24.1 19.2 28.8

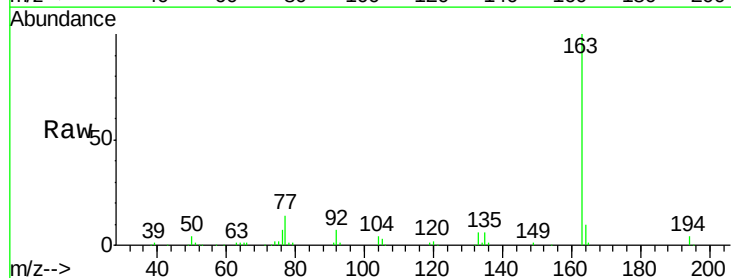


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

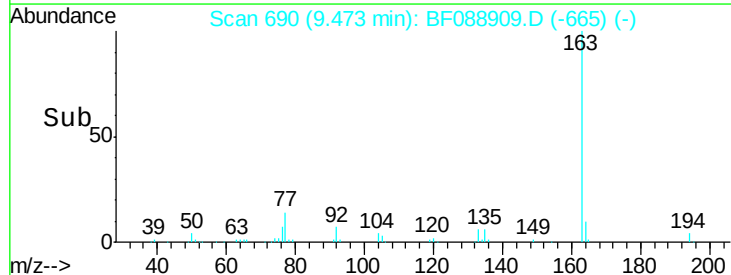
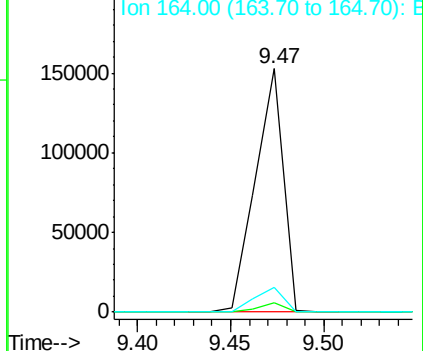


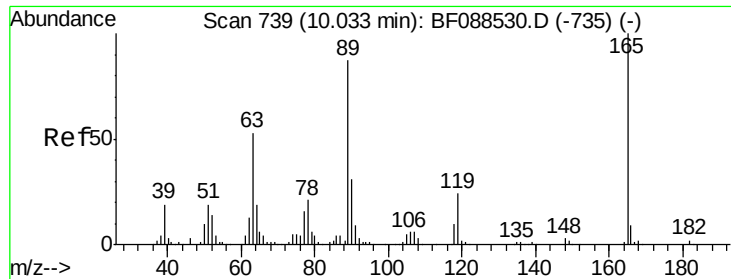
#49
 Dimethylphthalate
 Concen: 20.68 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion:163 Resp: 157618
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.8 4.2
 164 10.0 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

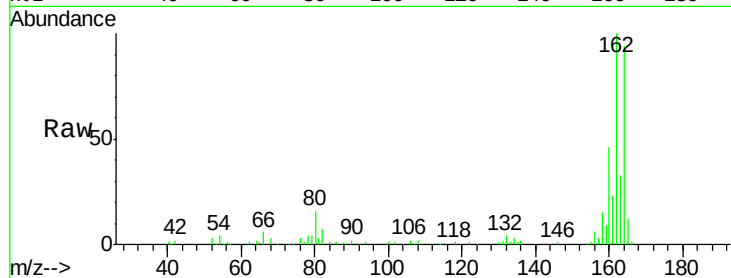




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion:	165	Resp:	13488
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#

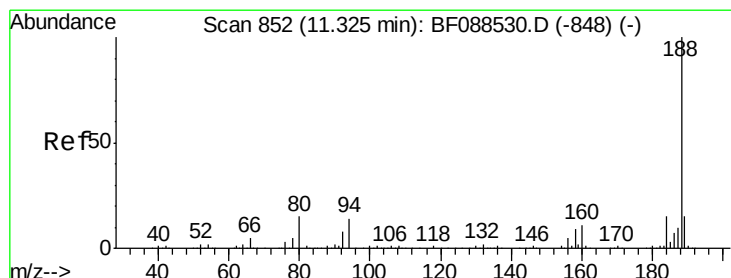
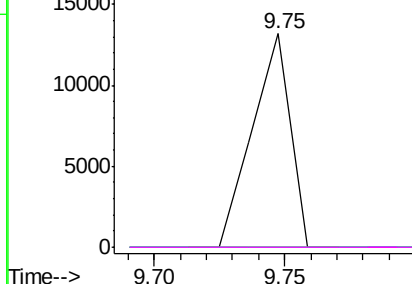
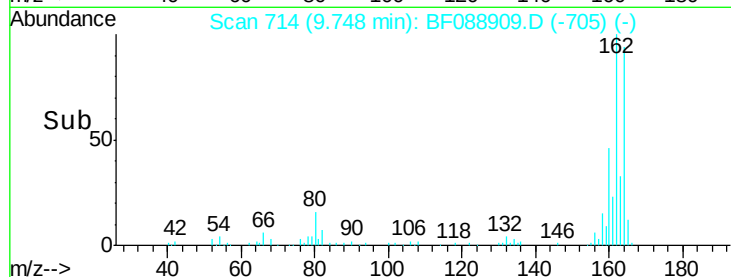


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

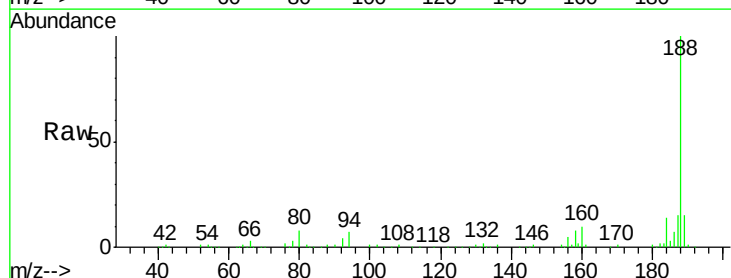
Ion 89.00 (88.70 to 89.70): BF0

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: BF088909.D
 Acq: 11 Jul 2016 19:54

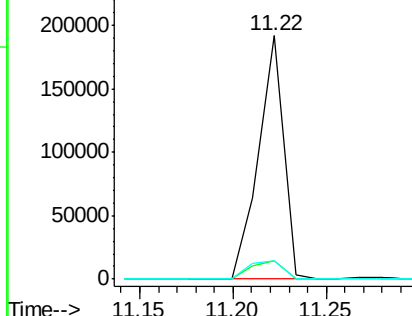
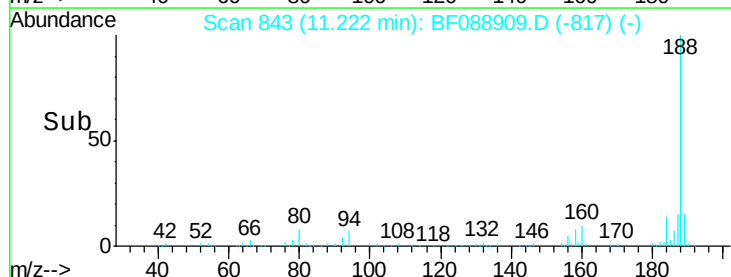
Tgt Ion:	188	Resp:	178685
Ion	Ratio	Lower	Upper
188	100		
94	7.4	9.0	13.6#
80	7.7	10.0	15.0#

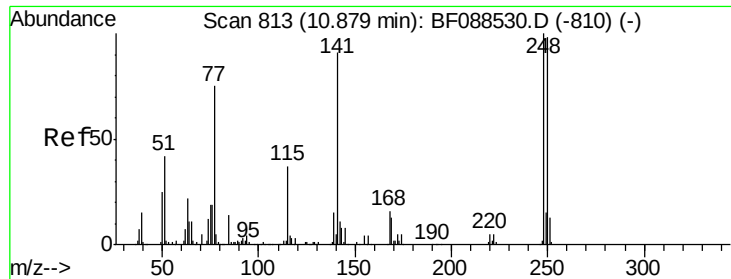


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

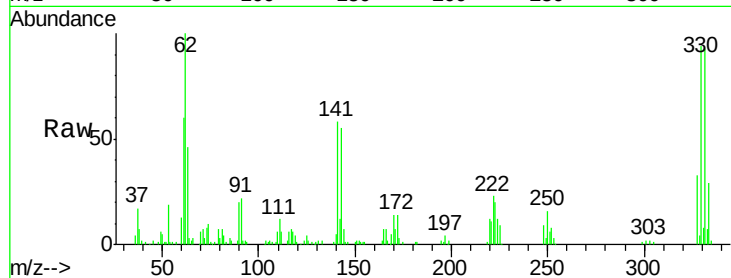




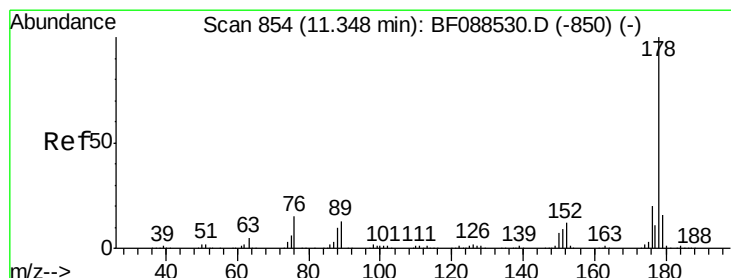
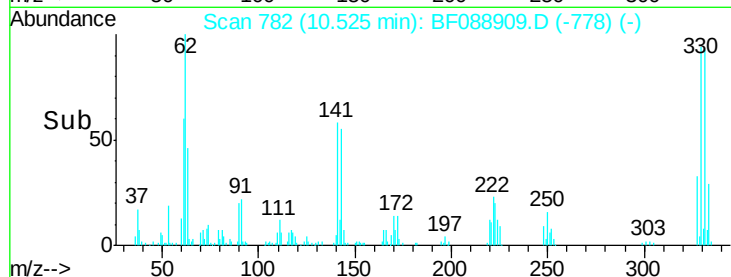
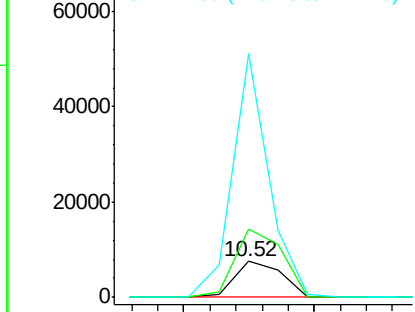
#66
4-Bromophenyl-phenylether
Concen: 5.21 ng
RT: 10.52 min Scan# 782
Delta R.T. -0.25 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion:248 Resp: 9386
Ion Ratio Lower Upper
248 100
250 188.1 77.1 115.7#
141 674.6 50.6 76.0#

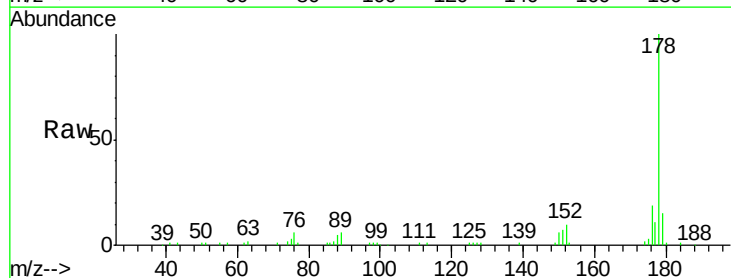


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

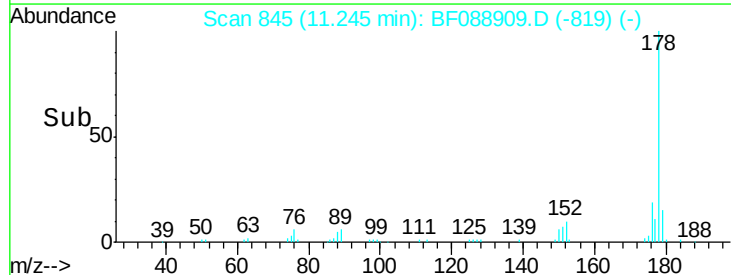
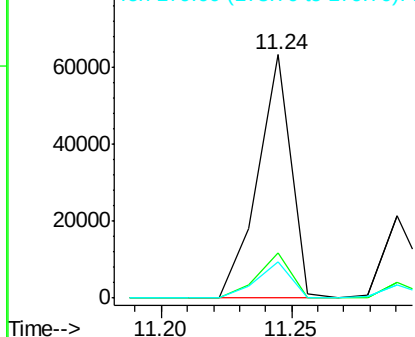


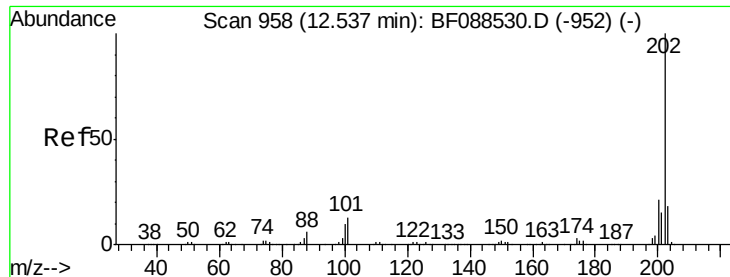
#70
Phenanthrene
Concen: 5.79 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion:178 Resp: 56597
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.0 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

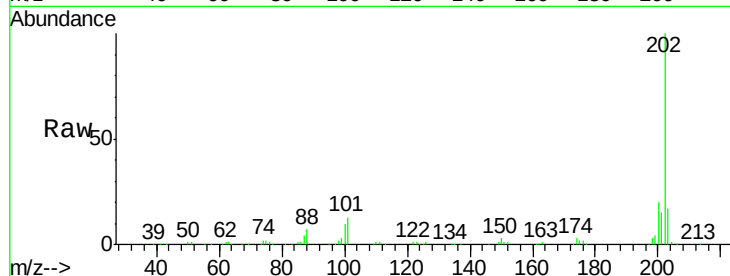




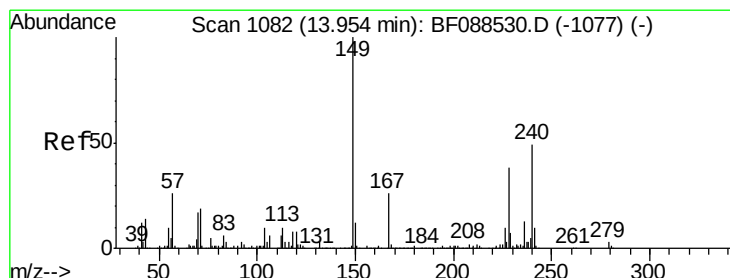
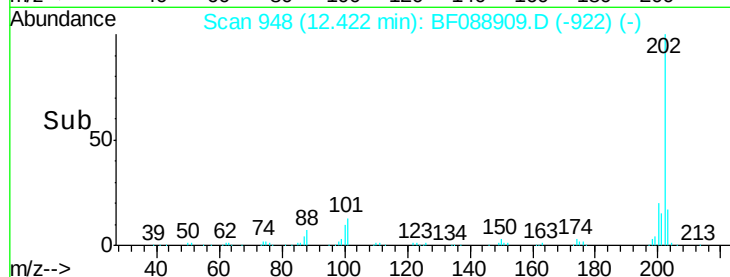
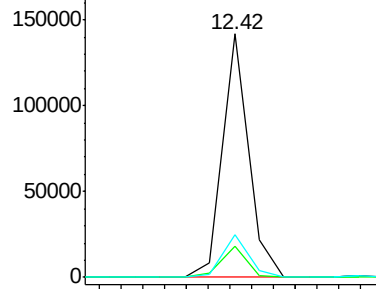
#74
 Fluoranthene
 Concen: 11.98 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.1
203	17.3	0.0	38.1

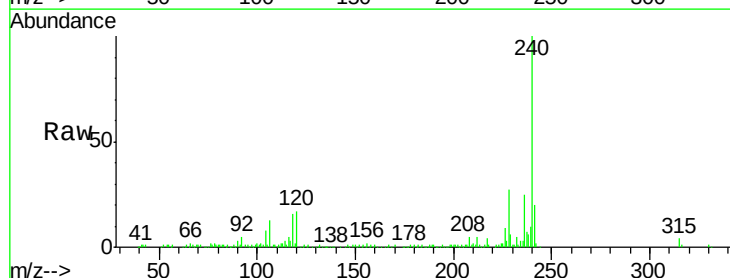


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

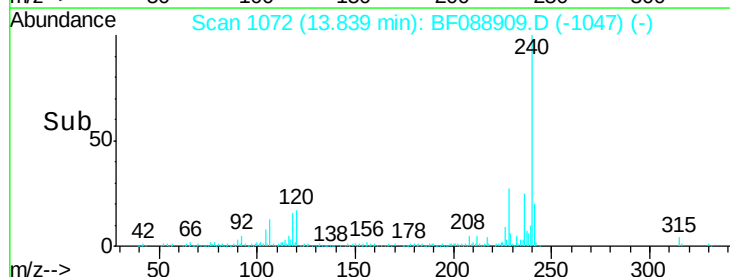
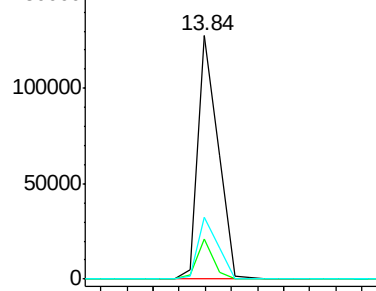


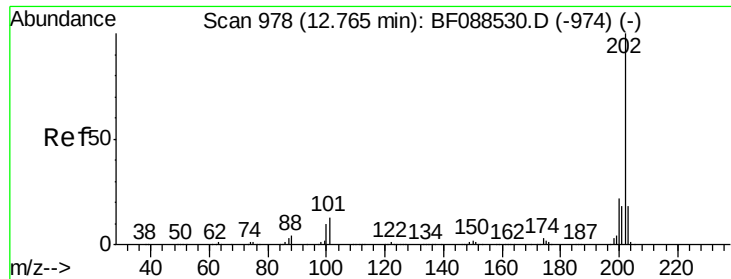
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	6.8	10.2#
236	25.4	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: 8.53 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

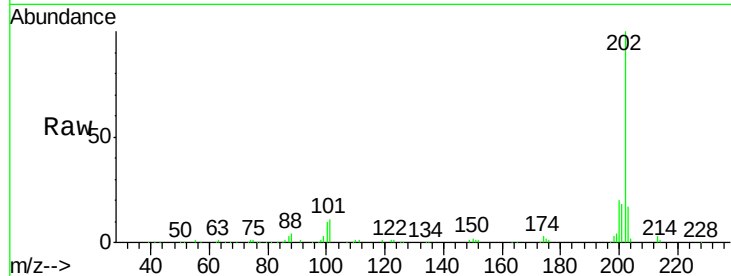
Tgt Ion:202 Resp: 99191

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

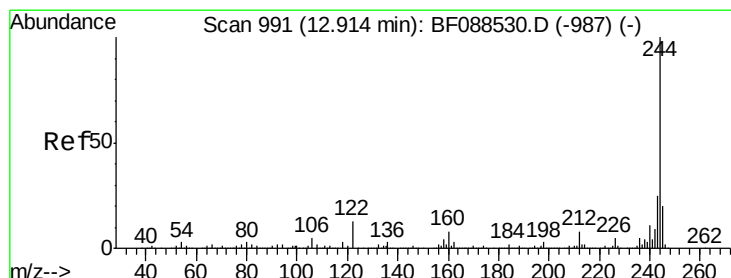
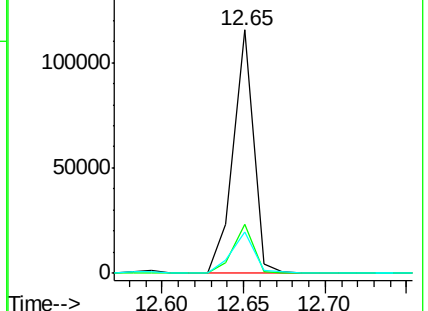
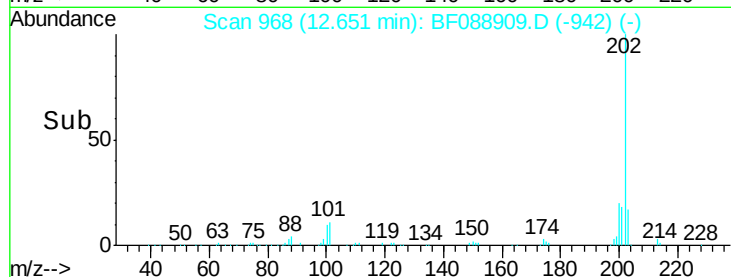
203 17.0 14.5 21.7



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



#78

Terphenyl-d14

Concen: 75.79 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

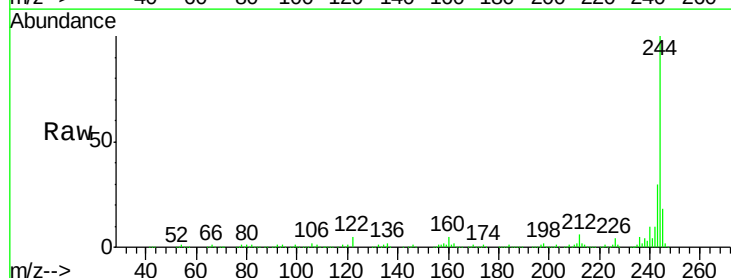
Tgt Ion:244 Resp: 466889

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

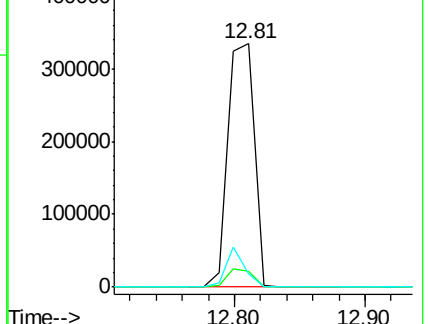
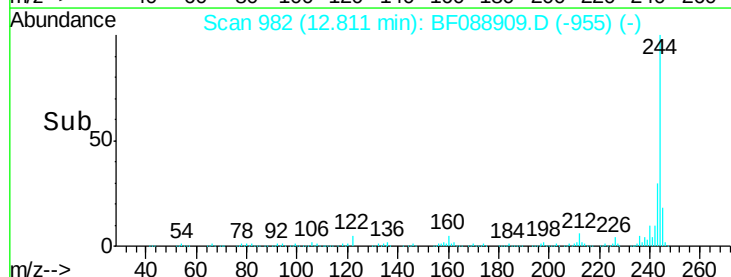
122 5.4 11.2 16.8#

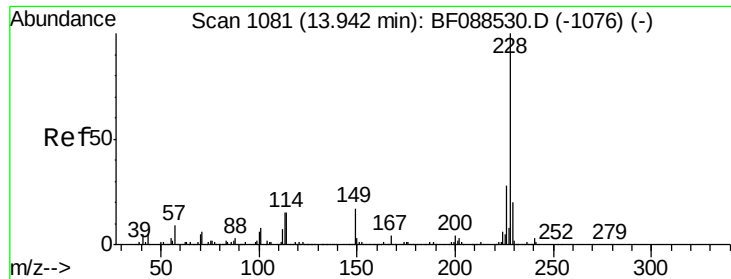


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.15 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

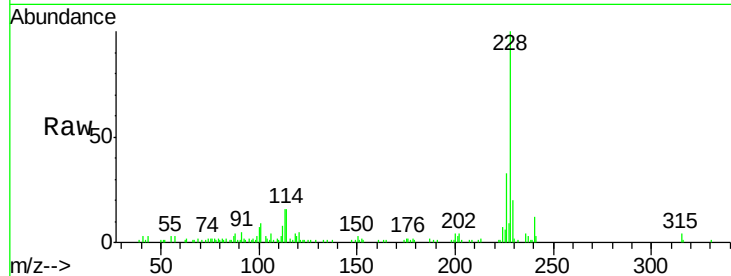
Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

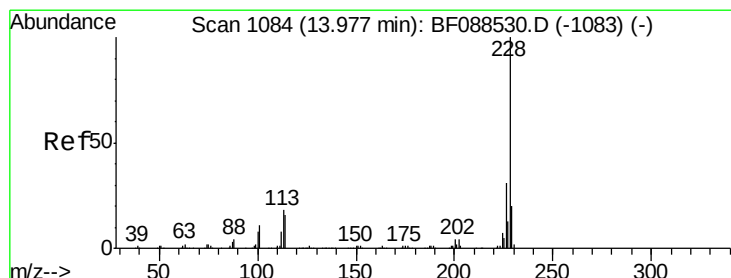
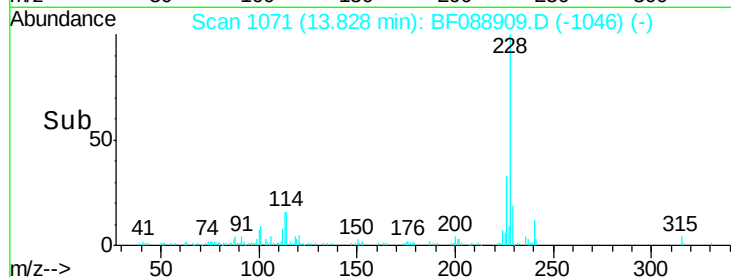
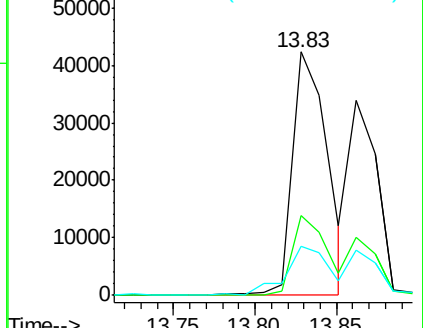
Tgt Ion:	228	Resp:	63199
Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.3	33.5
229	20.1	16.0	24.0



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: 7.23 ng

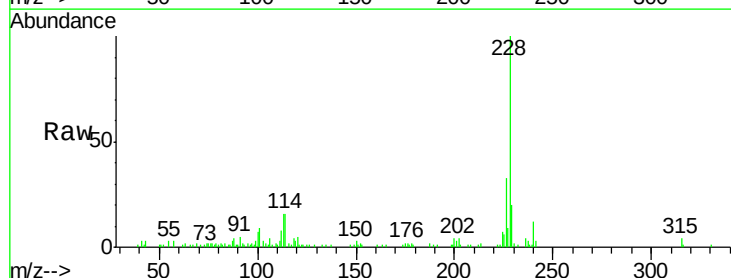
RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

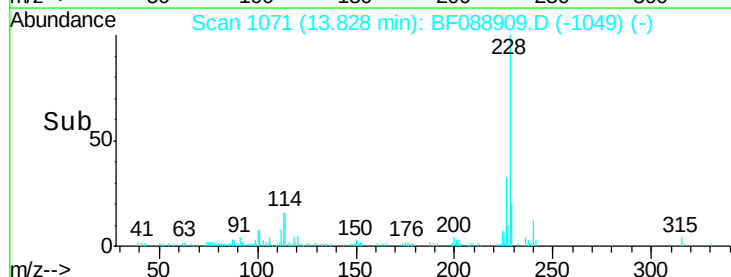
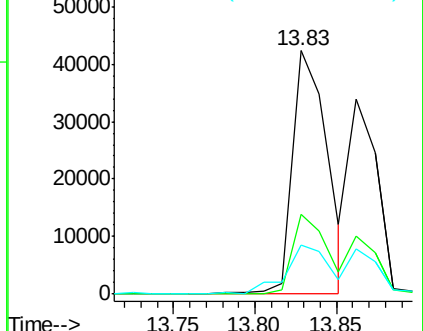
Tgt Ion:	228	Resp:	63199
Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.4	38.2
229	20.1	16.3	24.5

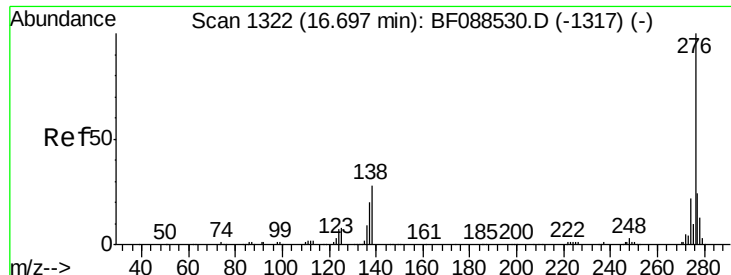


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

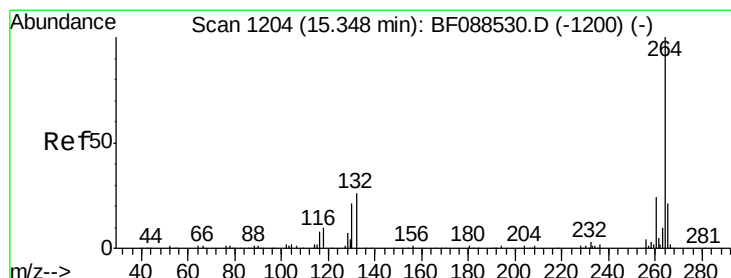
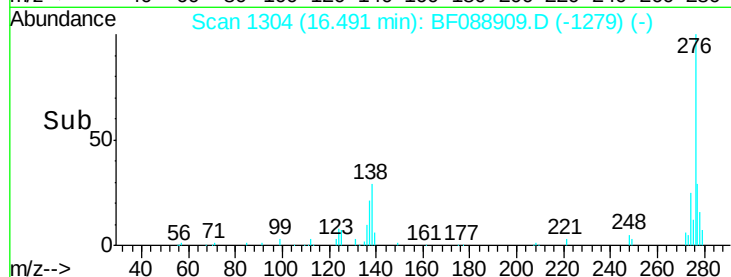
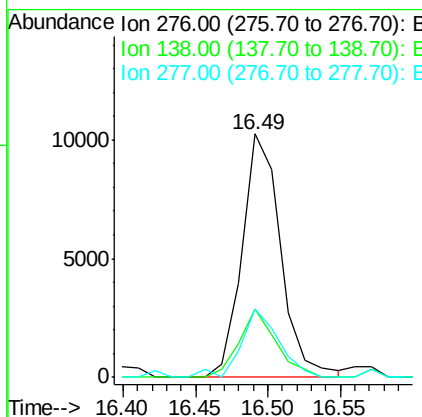
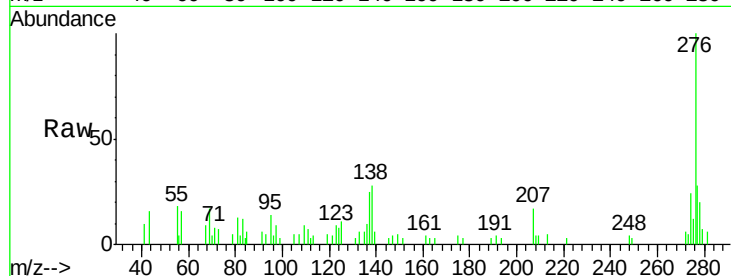




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 16.49 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

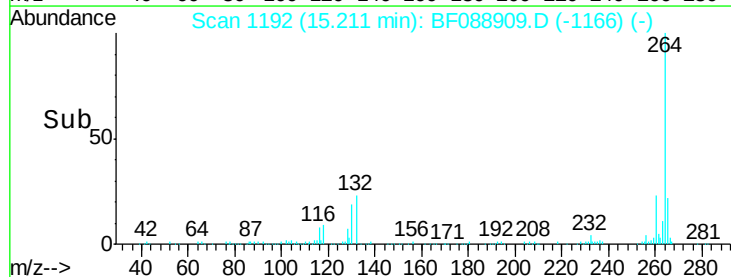
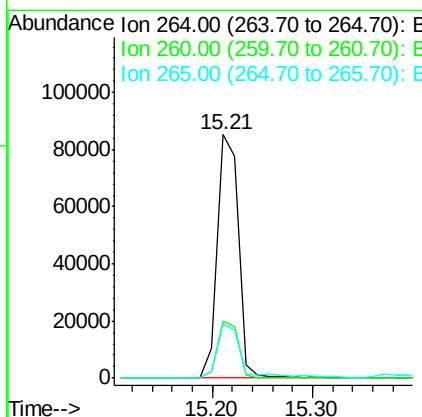
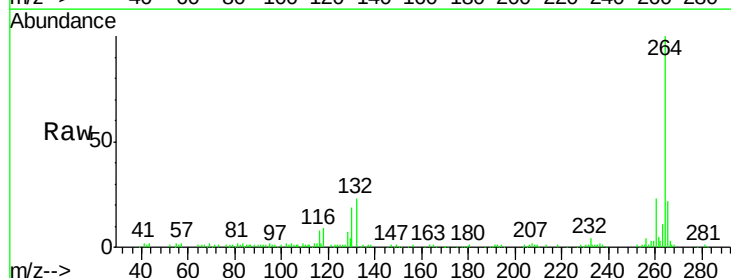
Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

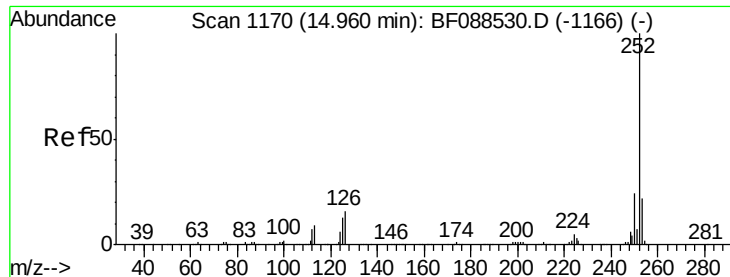
Tgt Ion: 276 Resp: 18925
 Ion Ratio Lower Upper
 276 100
 138 26.8 0.0 0.0#
 277 27.2 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion: 264 Resp: 124536
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 22.5 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 9.30 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

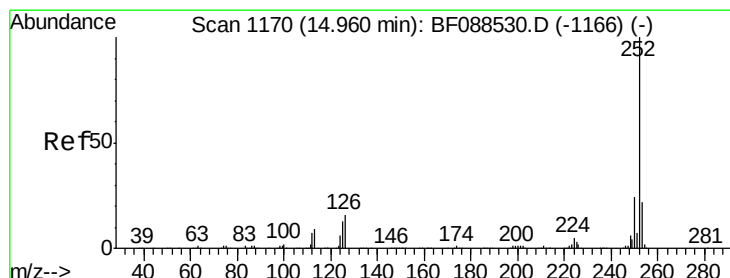
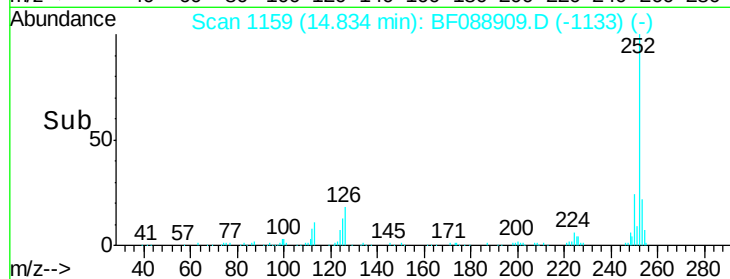
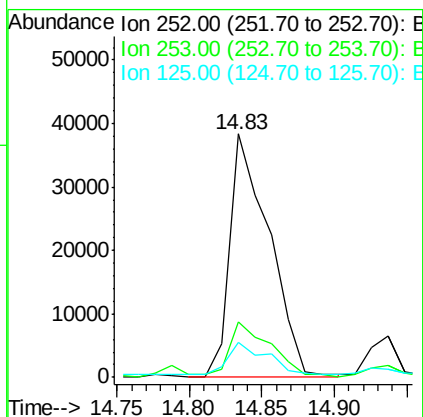
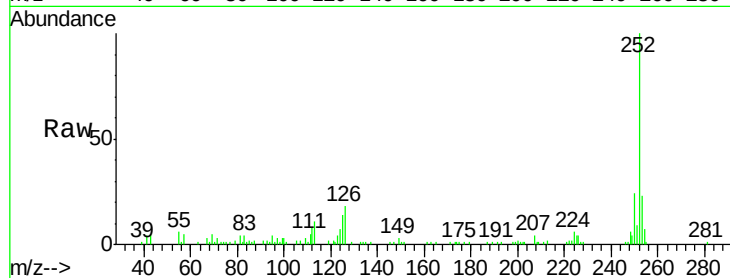
Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

Tgt Ion:	252	Resp:	72620
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	14.5	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 10.68 ng

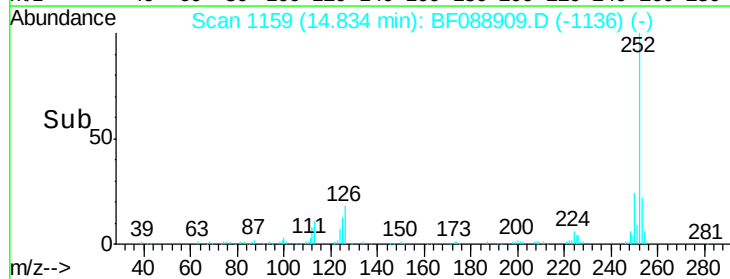
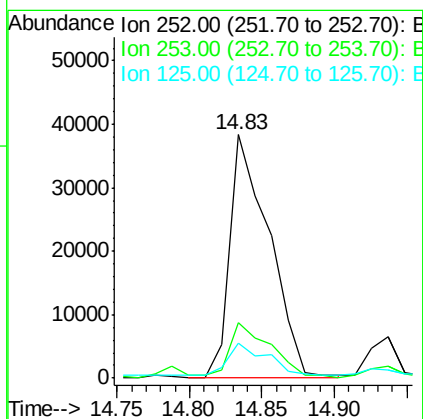
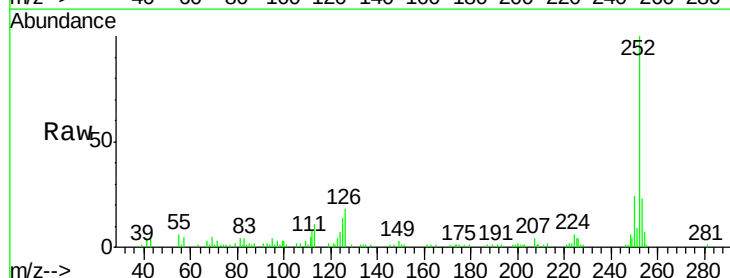
RT: 14.83 min Scan# 1159

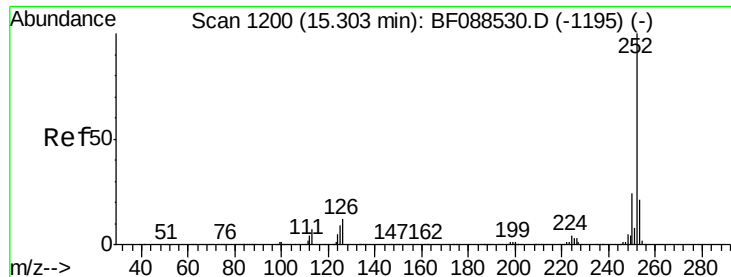
Delta R.T. -0.03 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion:	252	Resp:	72620
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.5	11.2	16.8

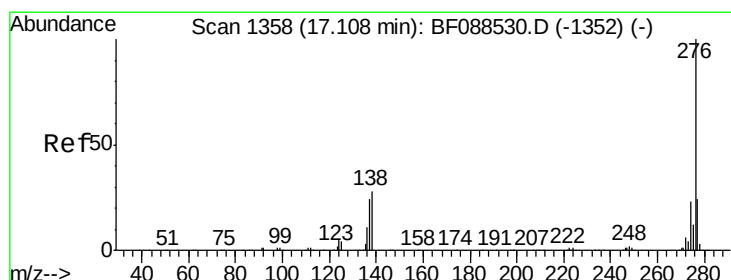
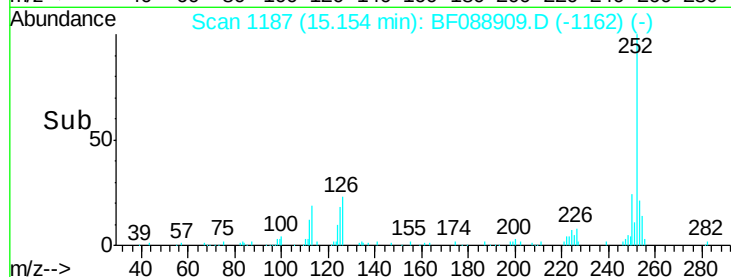
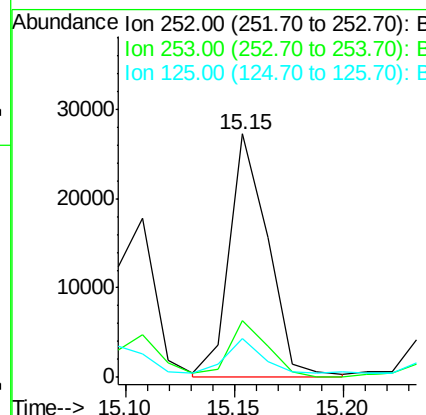
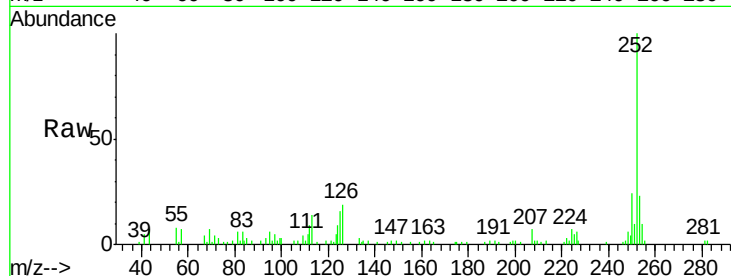




#89
 Benzo(a)pyrene
 Concen: 5.06 ng
 RT: 15.15 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion: 252 Resp: 33482
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.9 26.9
 125 15.7 12.5 18.7



#91
 Benzo(g,h,i)perylene
 Concen: 2.76 ng
 RT: 16.88 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion: 276 Resp: 15759
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.9 28.3
 138 23.4 21.4 32.2

