

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089000.D
 Acq On : 14 Jul 2016 22:21
 Operator : UM/SJ
 Sample : H3996-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Quant Time: Jul 15 01:19:02 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

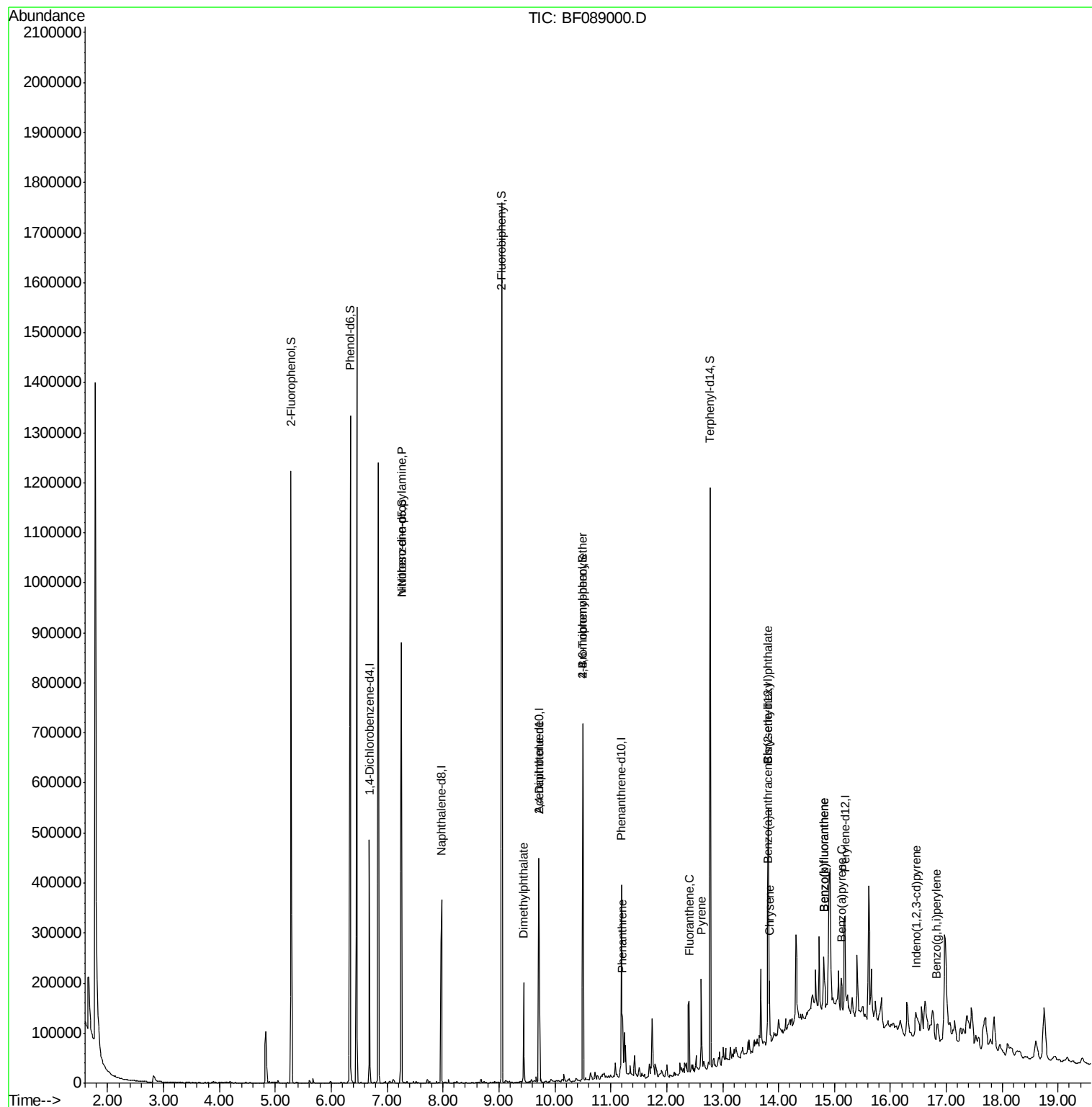
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	61000	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	222410	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	86890	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	138138	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	127545	20.00	ng	-0.03
86) Perylene-d12	15.19	264	95898	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	337708	82.97	ng	-0.01
7) Phenol-d6	6.34	99	516706	98.25	ng	-0.01
23) Nitrobenzene-d5	7.26	82	325557	76.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	62089	76.95	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	508986	92.53	ng	-0.02
78) Terphenyl-d14	12.78	244	328152	57.31	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	44276	12.53	ng	# 71
49) Dimethylphthalate	9.44	163	73130	11.81	ng	99
56) 2,4-Dinitrotoluene	9.71	165	11073	6.17	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	5515	3.96	ng	# 1
70) Phenanthrene	11.21	178	38923	5.15	ng	99
74) Fluoranthene	12.40	202	72543	9.48	ng	93
77) Pyrene	12.62	202	69567	6.43	ng	98
80) Benzo(a)anthracene	13.81	228	36397	4.43	ng	96
82) Chrysene	13.84	228	44366	5.46	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	16852	3.06	ng	99
85) Indeno(1,2,3-cd)pyrene	16.46	276	20035	3.20	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	67018	11.14	ng	# 91
88) Benzo(k)fluoranthene	14.81	252	67018	12.80	ng	# 96
89) Benzo(a)pyrene	15.13	252	29167	5.73	ng	95
91) Benzo(g,h,i)perylene	16.83	276	19305	4.39	ng	93

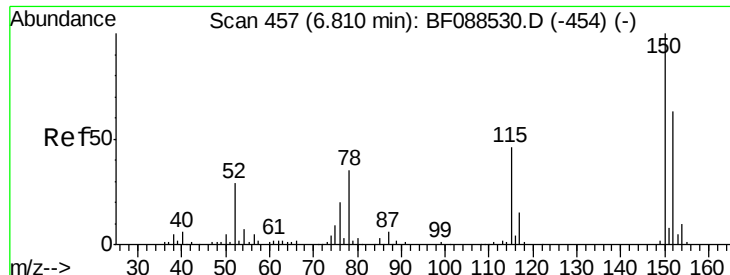
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
Data File : BF089000.D
Acq On : 14 Jul 2016 22:21
Operator : UM/SJ
Sample : H3996-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

Quant Time: Jul 15 01:19:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

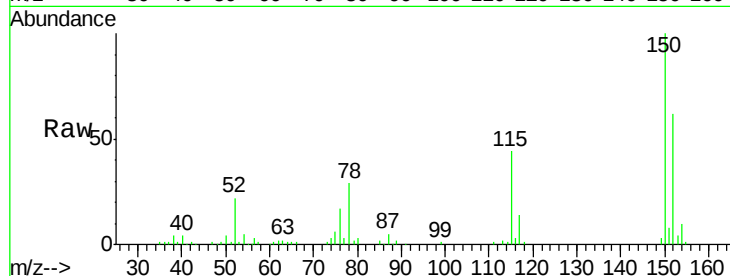
Tgt Ion:152 Resp: 61000

Ion Ratio Lower Upper

152 100

150 160.4 123.8 185.6

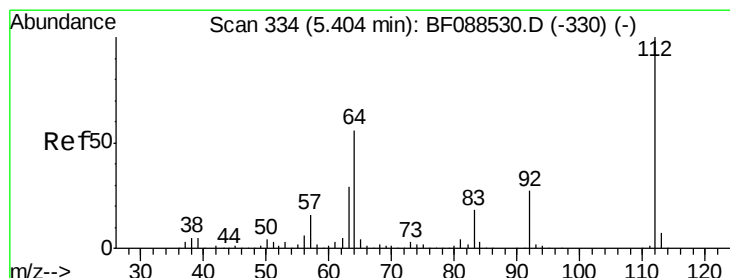
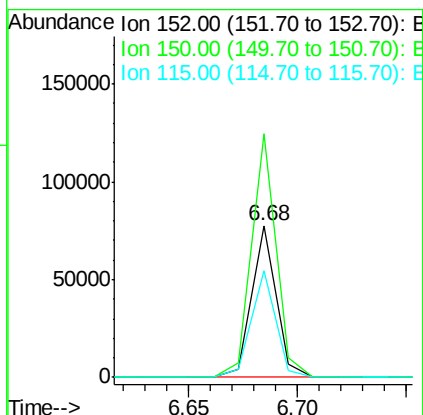
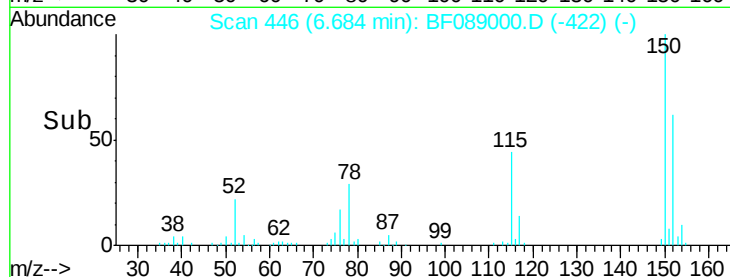
115 70.0 39.6 59.4#



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: 82.97 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

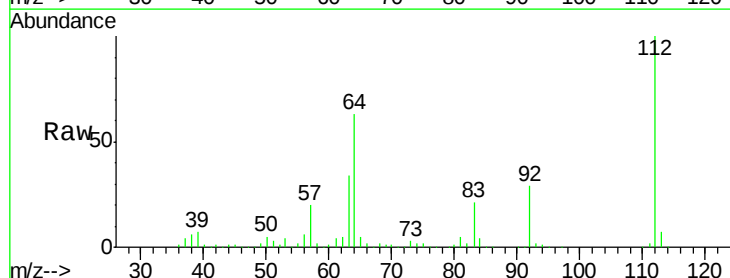
Tgt Ion:112 Resp: 337708

Ion Ratio Lower Upper

112 100

64 62.9 42.2 63.2

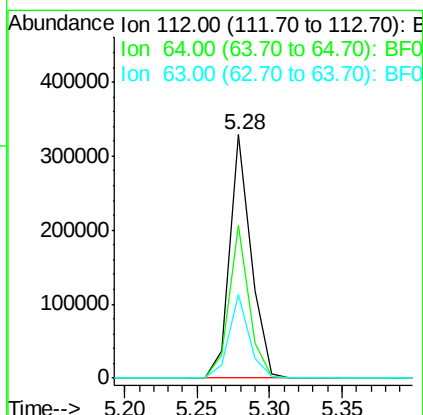
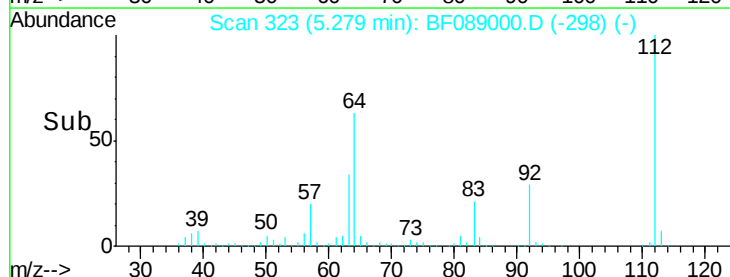
63 34.2 21.8 32.8#

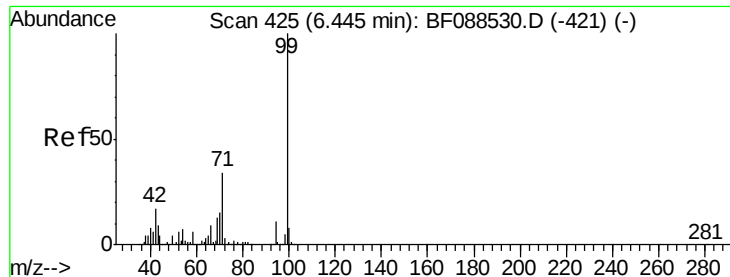


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.25 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

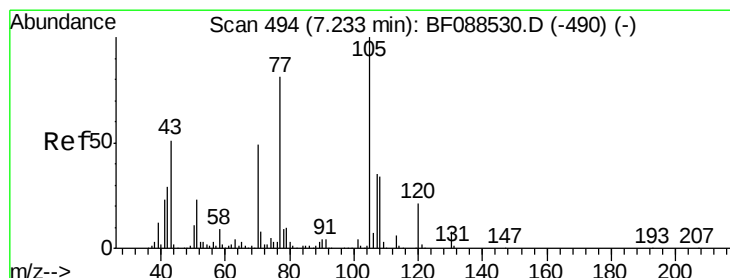
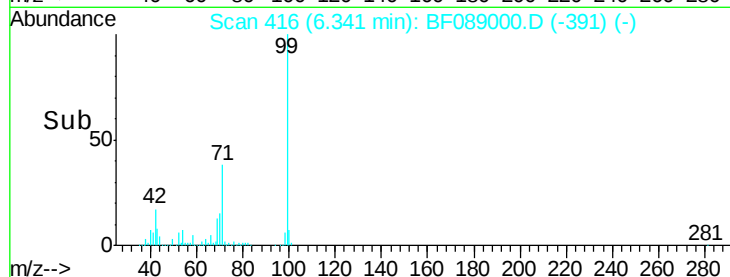
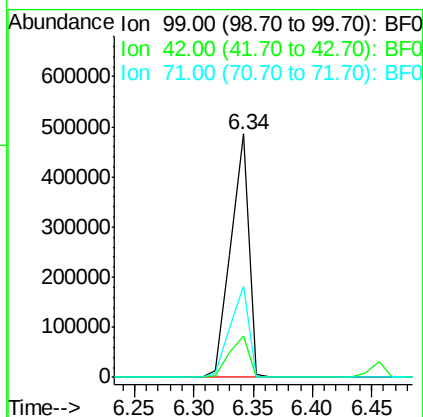
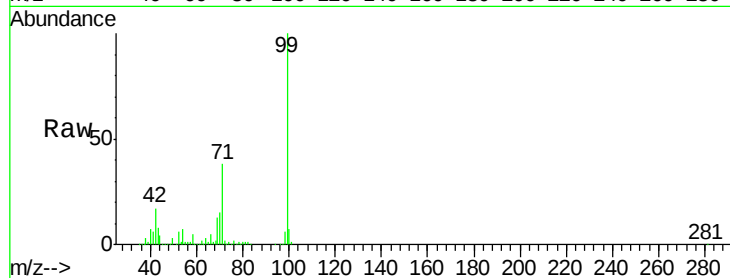
Tgt Ion: 99 Resp: 516706

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

71 37.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.53 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion: 70 Resp: 44276

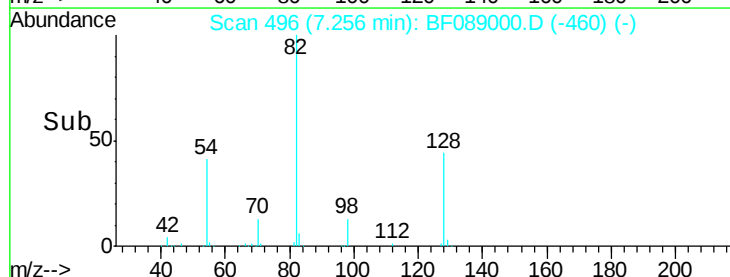
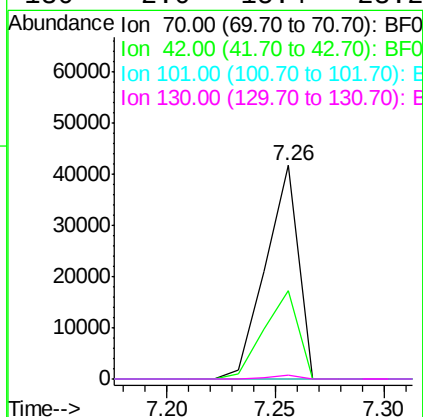
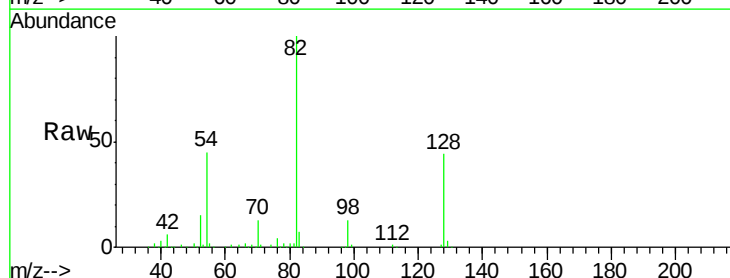
Ion Ratio Lower Upper

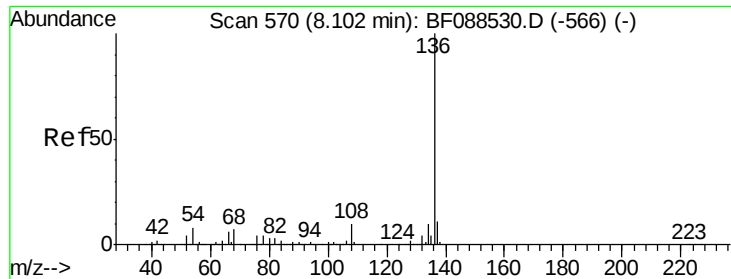
70 100

42 41.4 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: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tgt Ion:136 Resp: 222410

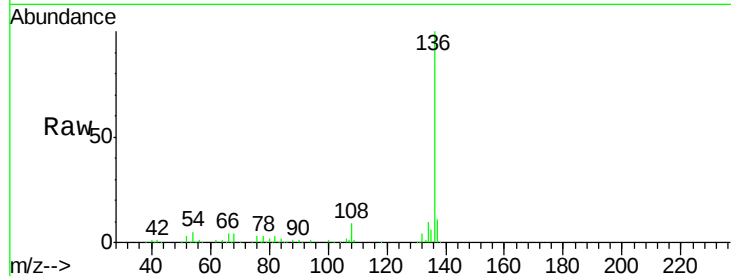
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 4.6 6.6 10.0#

68 3.8 5.1 7.7#

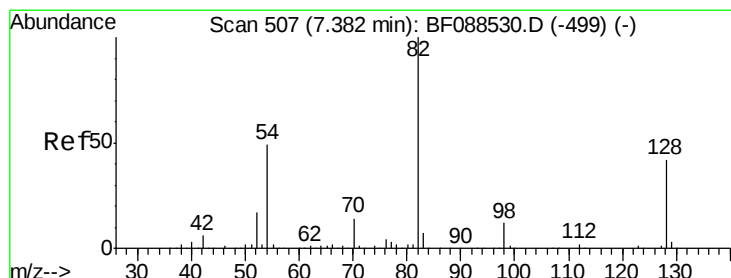
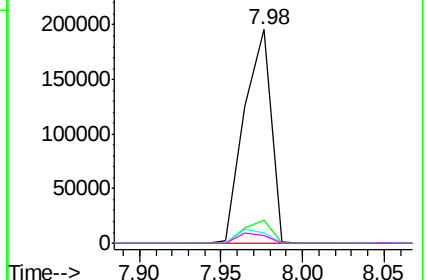
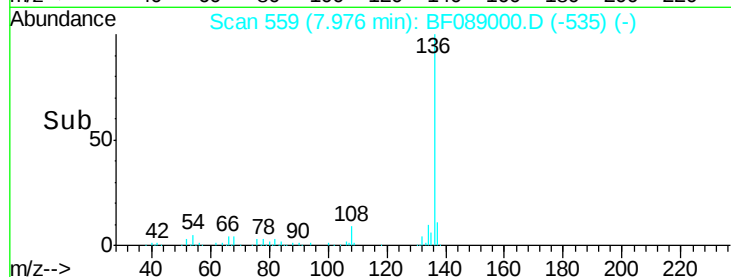


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.71 ng

RT: 7.26 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

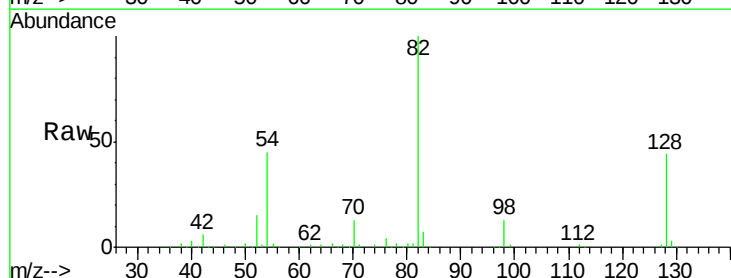
Tgt Ion: 82 Resp: 325557

Ion Ratio Lower Upper

82 100

128 43.7 35.9 53.9

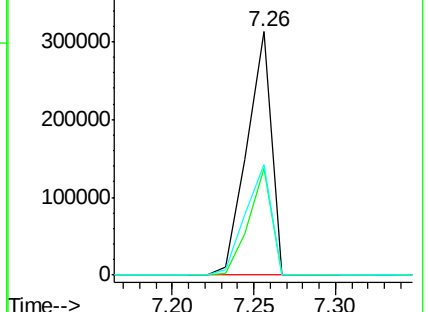
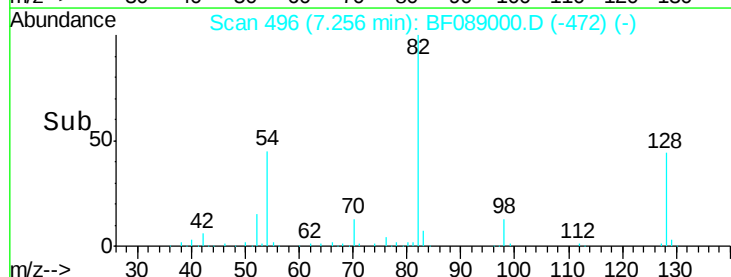
54 45.3 40.9 61.3

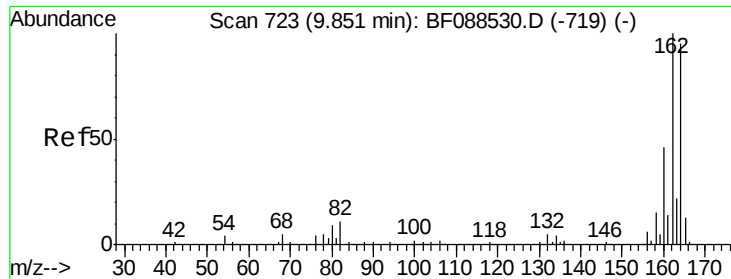


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

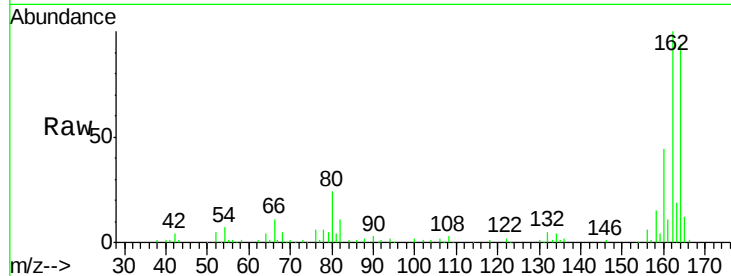




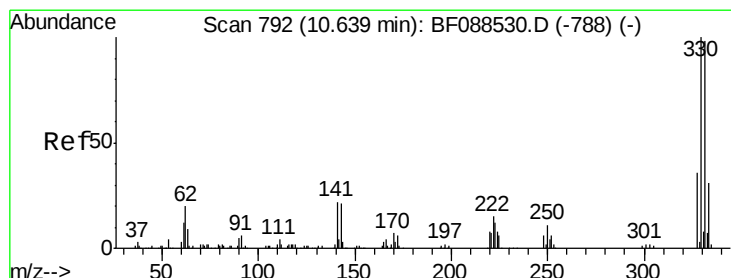
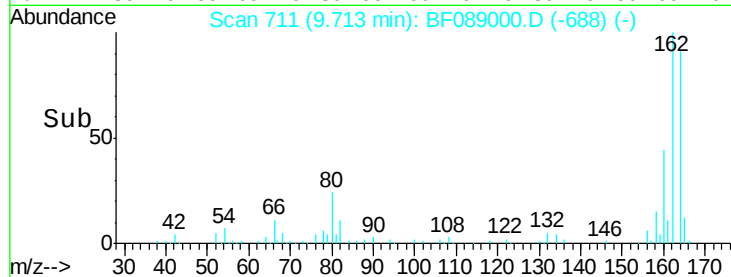
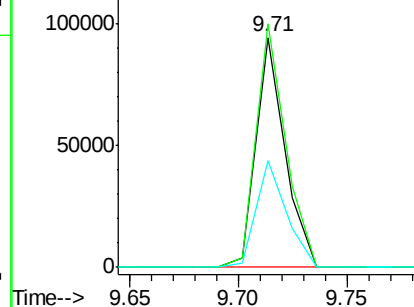
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Tgt Ion:164 Resp: 86890
 Ion Ratio Lower Upper
 164 100
 162 106.0 85.4 128.2
 160 46.3 39.5 59.3

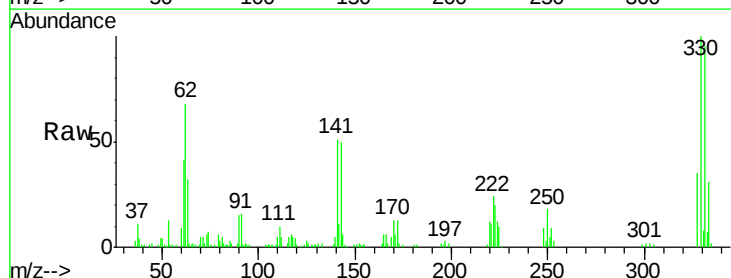


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

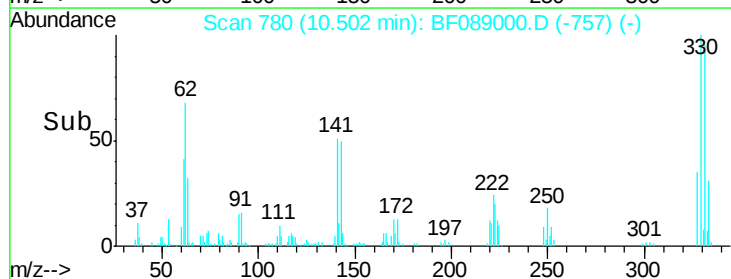
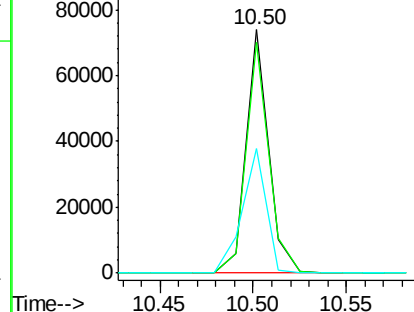


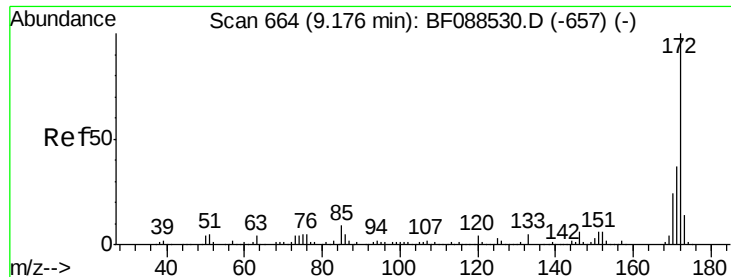
#41
 2,4,6-Tribromophenol
 Concen: 76.95 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Tgt Ion:330 Resp: 62089
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 55.1 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

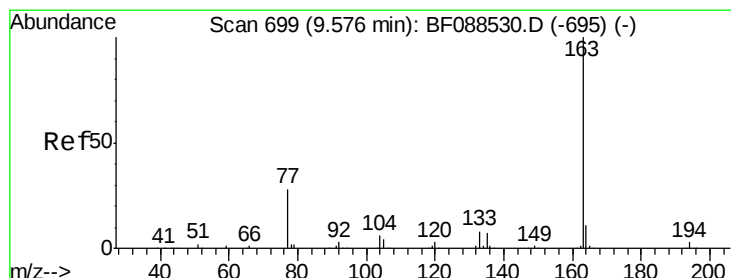
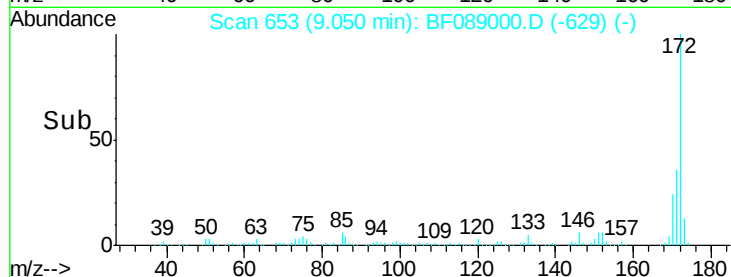
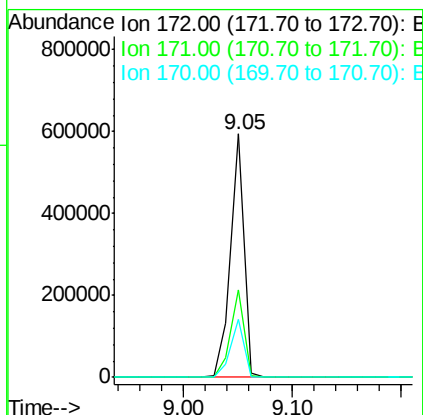
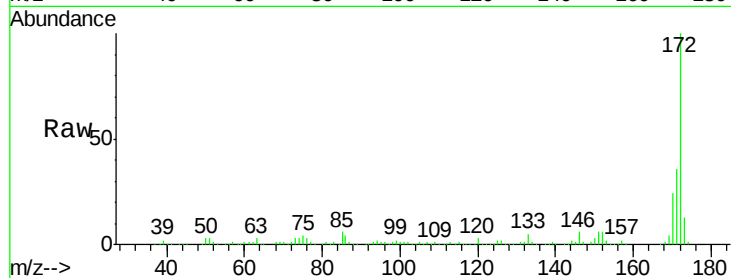




#44
 2-Fluorobiphenyl
 Concen: 92.53 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

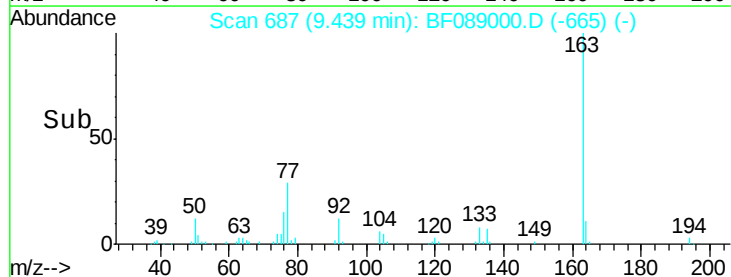
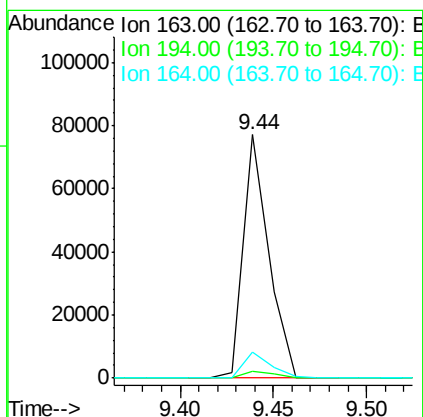
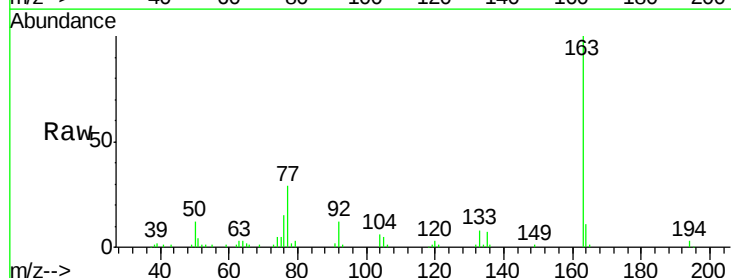
Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

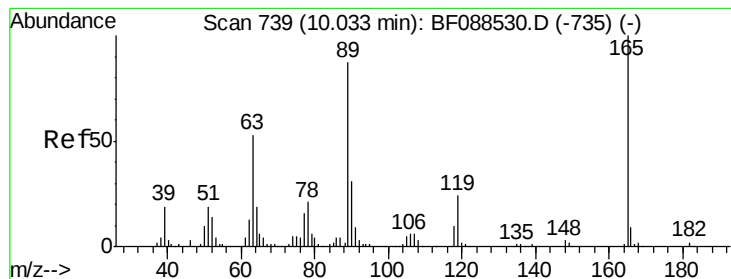
Tgt Ion:172 Resp: 508986
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.8 19.2 28.8



#49
 Dimethylphthalate
 Concen: 11.81 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Tgt Ion:163 Resp: 73130
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.7 8.3 12.5

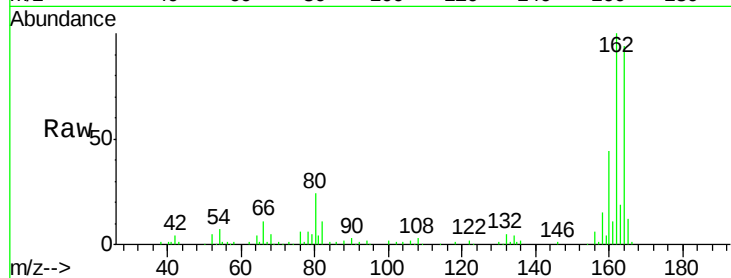




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Tgt 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#

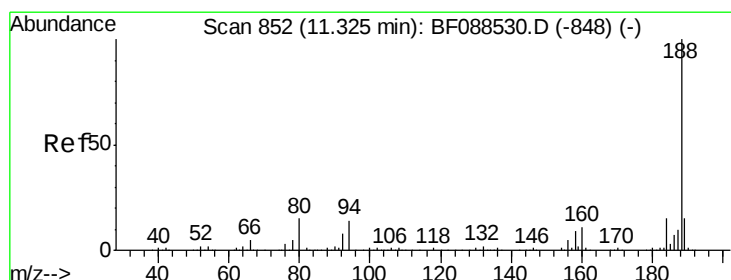
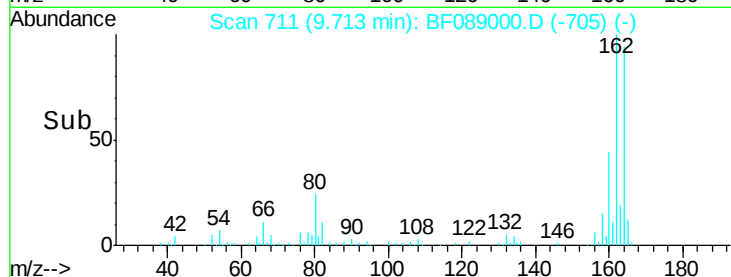
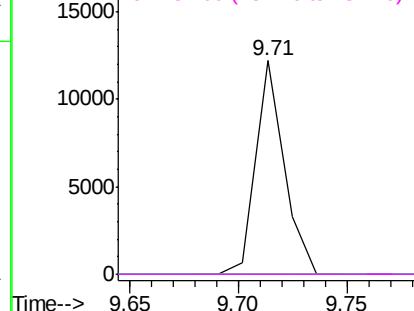


Abundance Ion 165.00 (164.70 to 165.70): E

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



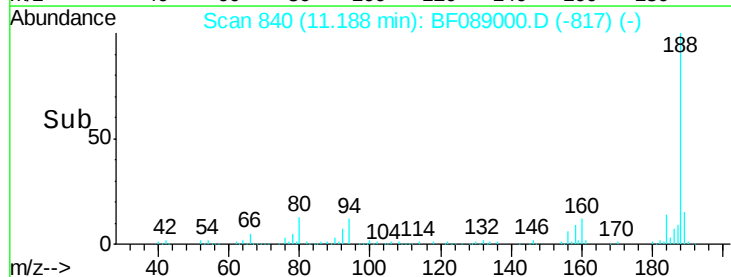
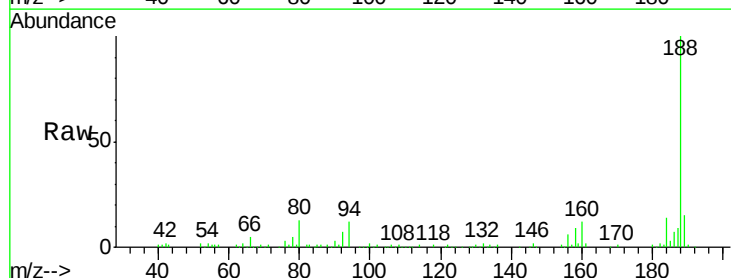
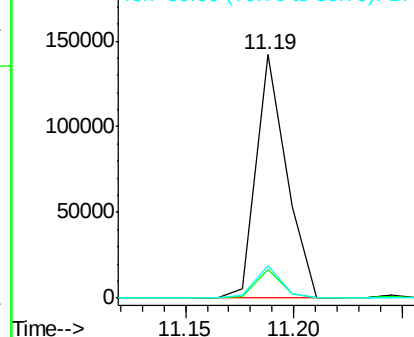
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.03 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

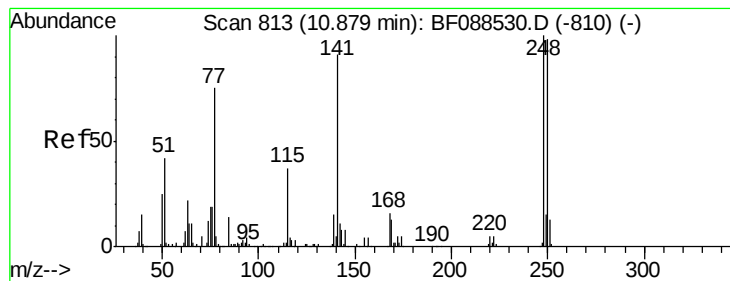
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.0	13.6
80	13.4	10.0	15.0

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: 3.96 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.27 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

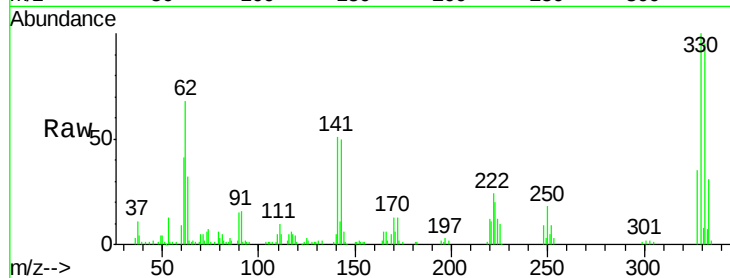
Tgt Ion:248 Resp: 5515

Ion Ratio Lower Upper

248 100

250 195.0 77.1 115.7#

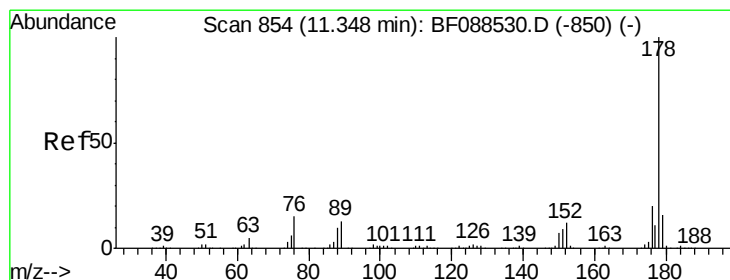
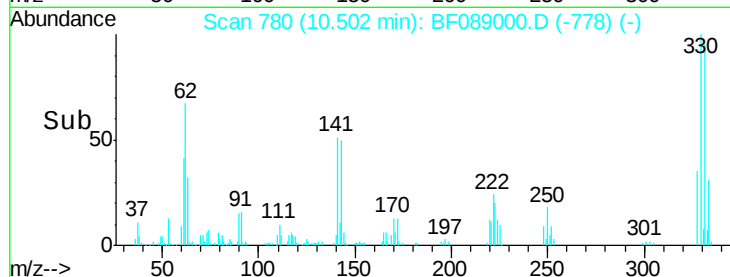
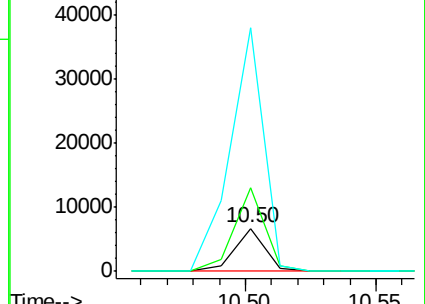
141 567.8 50.6 76.0#



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: 5.15 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

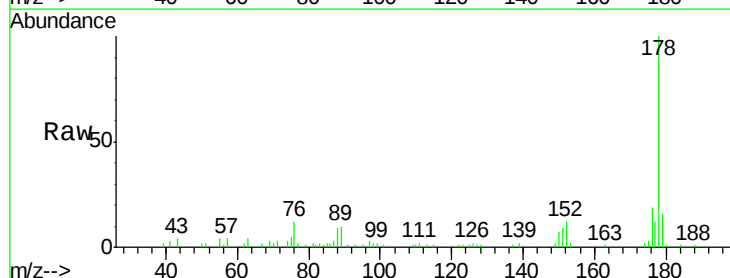
Tgt Ion:178 Resp: 38923

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

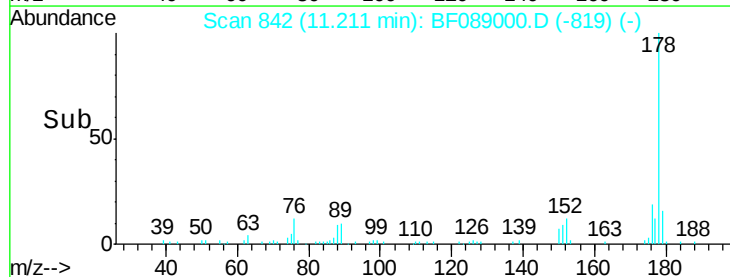
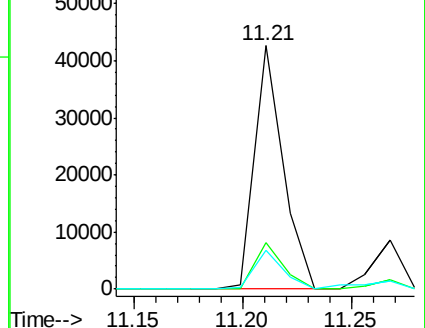
179 15.9 13.0 19.4

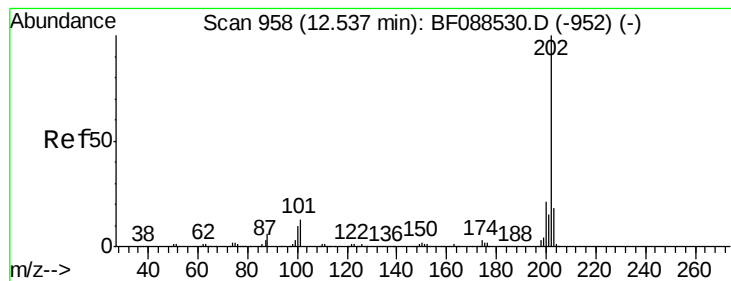


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.48 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

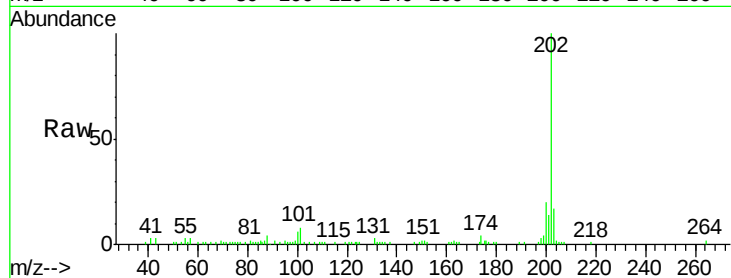
Tgt Ion:202 Resp: 72543

Ion Ratio Lower Upper

202 100

101 7.5 0.0 33.1

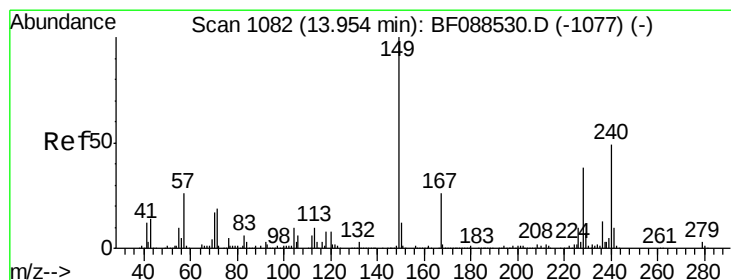
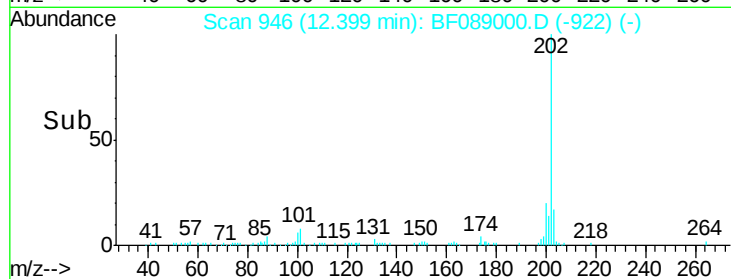
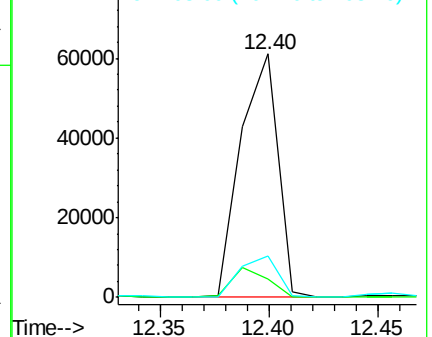
203 17.0 0.0 38.1



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: BF089000.D

Acq: 14 Jul 2016 22:21

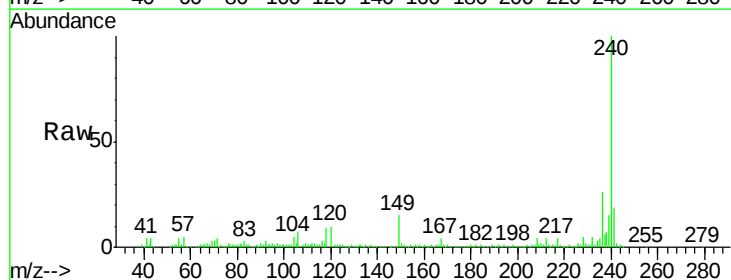
Tgt Ion:240 Resp: 127545

Ion Ratio Lower Upper

240 100

120 10.3 6.8 10.2#

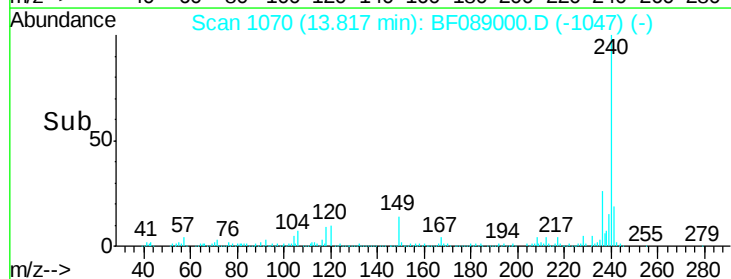
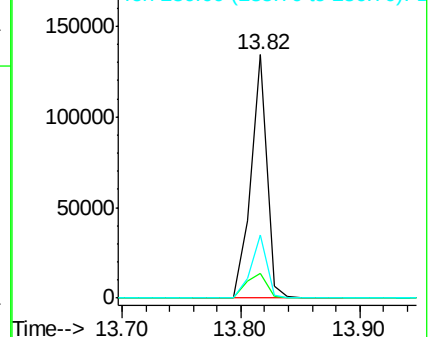
236 25.7 20.2 30.2

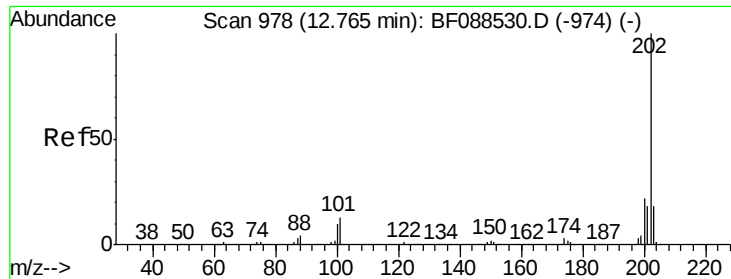


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

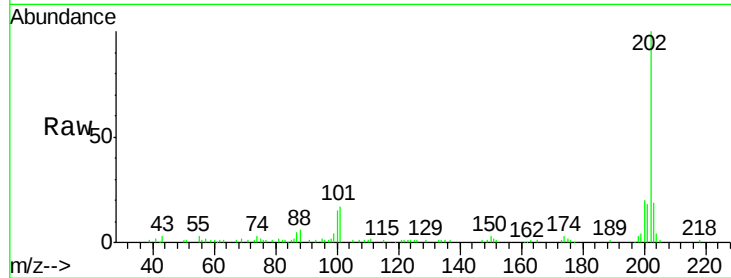




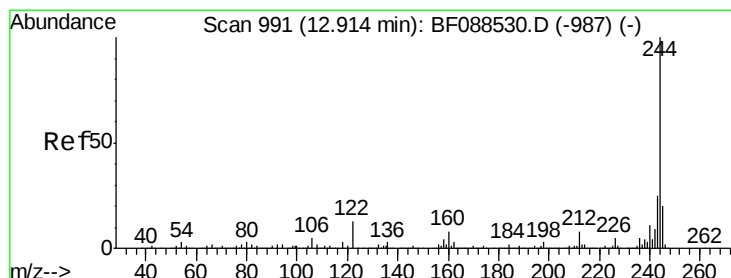
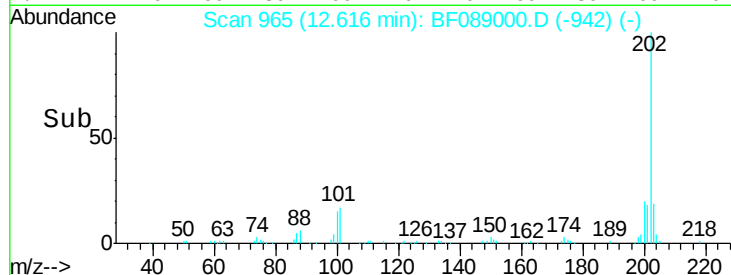
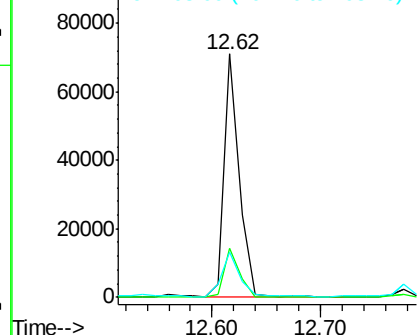
#77
 Pyrene
 Concen: 6.43 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Instrument :
 BNA_F
 ClientSampleId :
 C8-B1(0-6)C

Tgt Ion: 202 Resp: 69567
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.4 26.2
 203 18.5 14.5 21.7

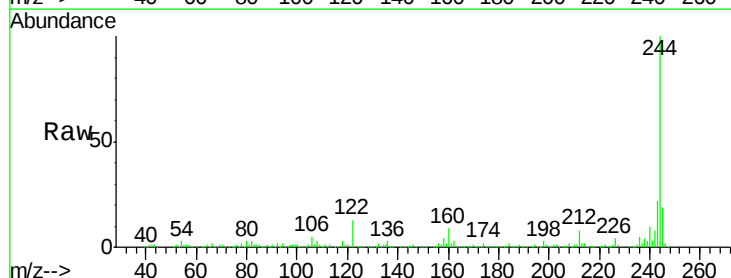


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

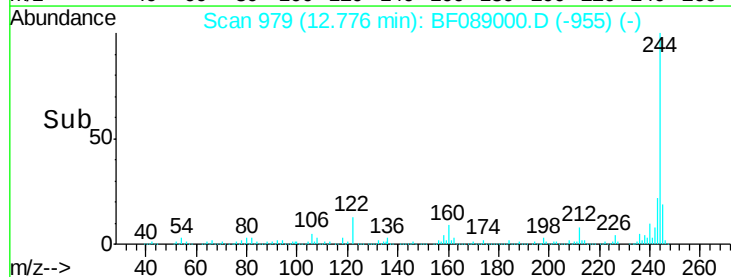
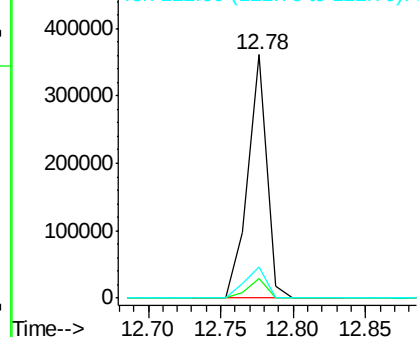


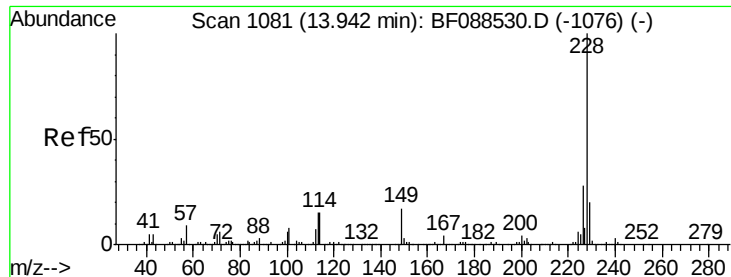
#78
 Terphenyl-d14
 Concen: 57.31 ng
 RT: 12.78 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BF089000.D
 Acq: 14 Jul 2016 22:21

Tgt Ion: 244 Resp: 328152
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 12.7 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: 4.43 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

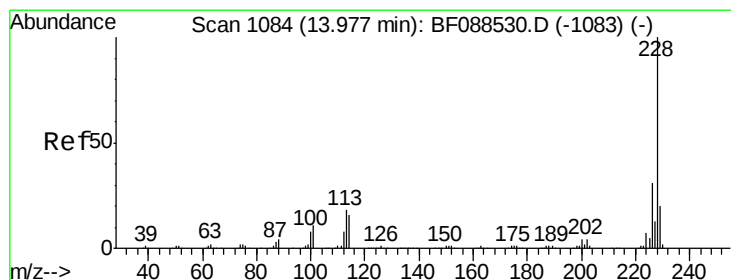
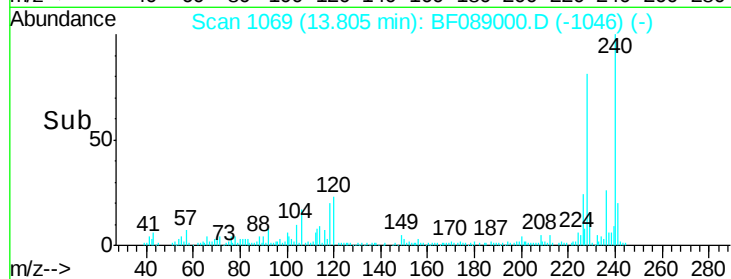
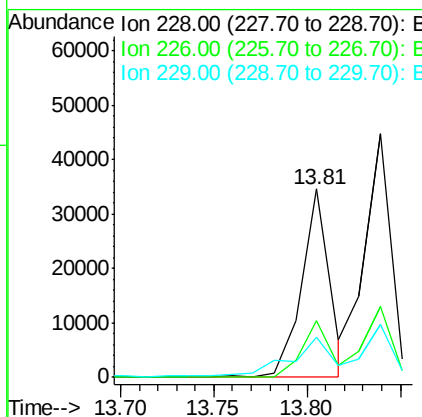
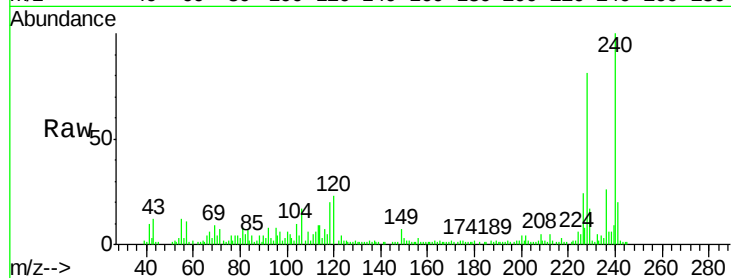
Instrument :

BNA_F

ClientSampleId :

C8-B1(0-6)C

Tgt Ion:	228	Resp:	36397
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	21.0	16.0	24.0



#82

Chrysene

Concen: 5.46 ng

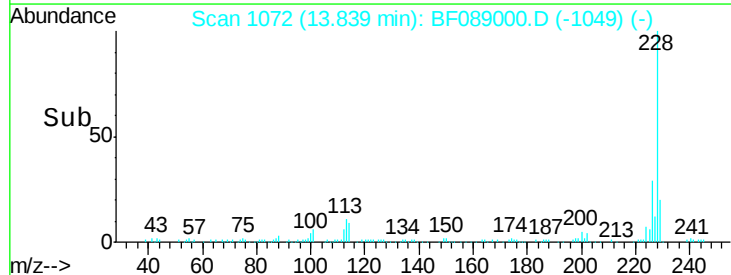
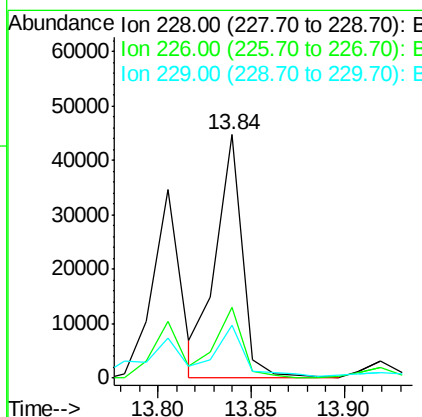
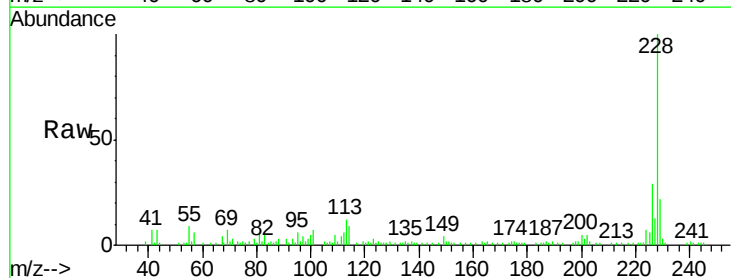
RT: 13.84 min Scan# 1072

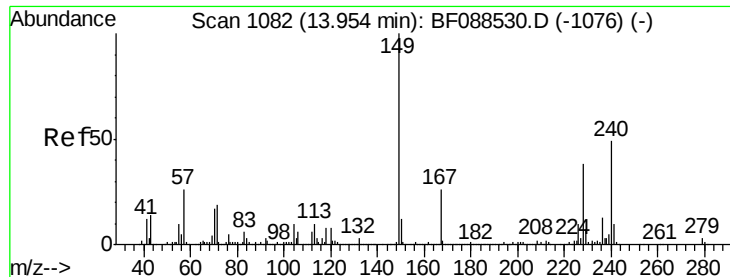
Delta R.T. -0.03 min

Lab File: BF089000.D

Acq: 14 Jul 2016 22:21

Tgt Ion:	228	Resp:	44366
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.2
229	21.7	16.3	24.5

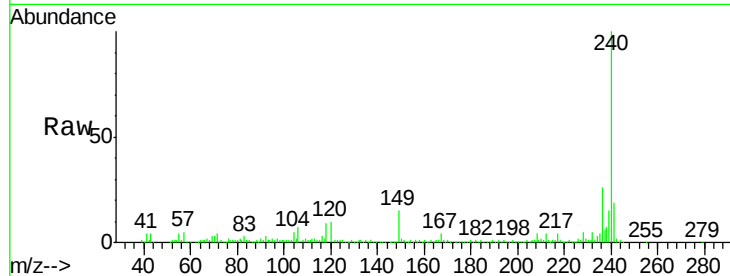




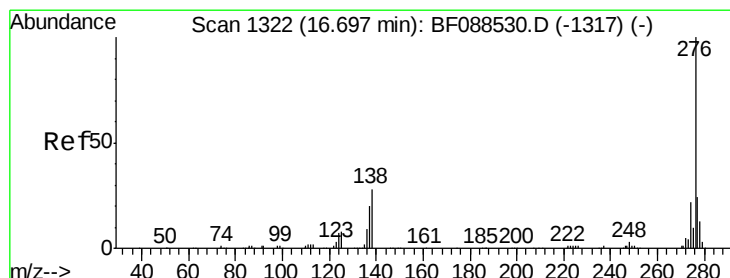
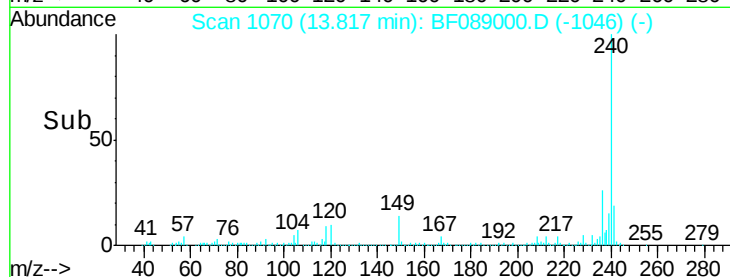
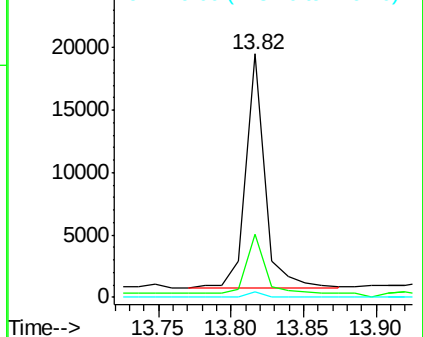
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.06 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

Tgt Ion:149 Resp: 16852
Ion Ratio Lower Upper
149 100
167 26.0 20.5 30.7
279 2.3 2.0 3.0

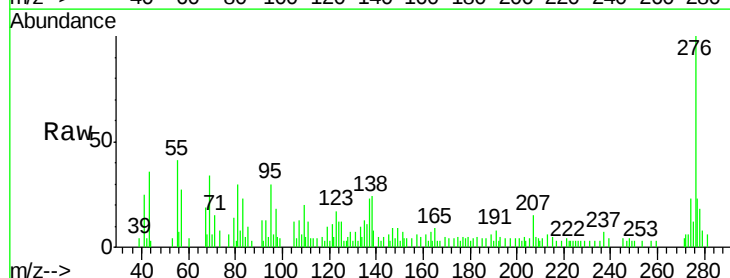


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

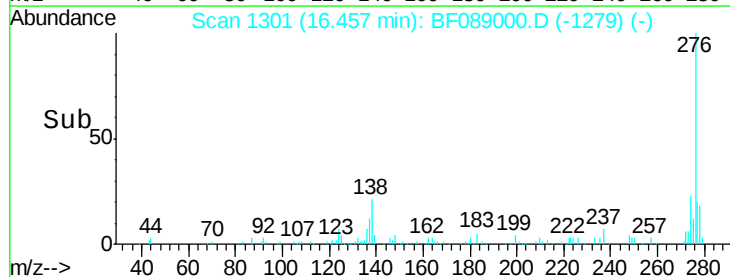
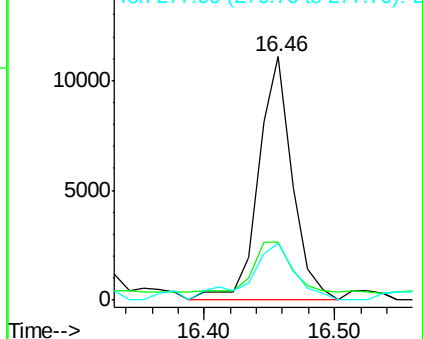


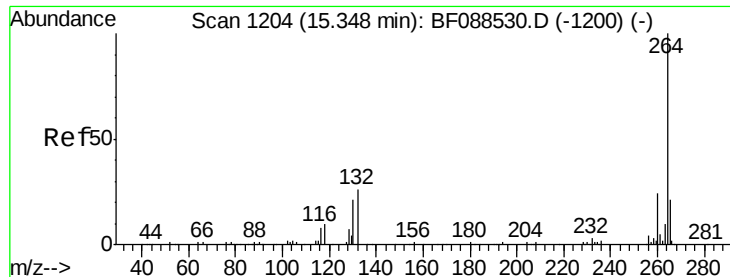
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.20 ng
RT: 16.46 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion:276 Resp: 20035
Ion Ratio Lower Upper
276 100
138 31.6 0.0 0.0#
277 31.2 0.0 0.0#



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

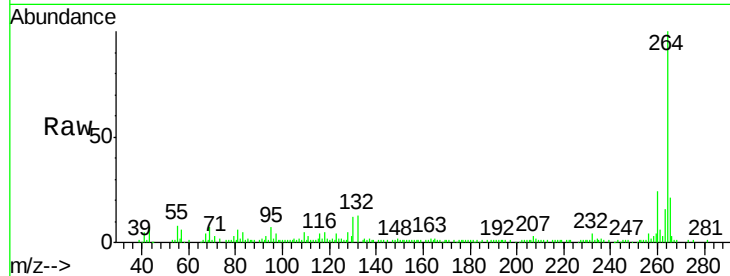




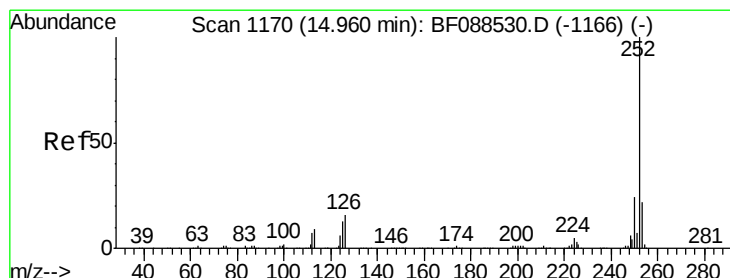
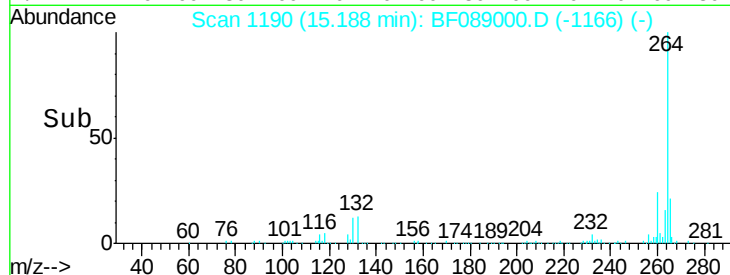
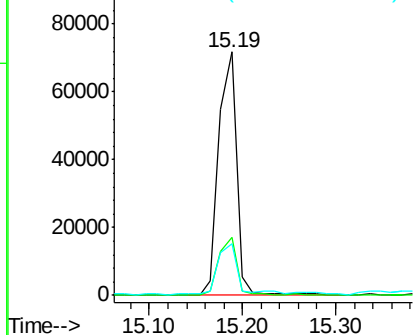
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Instrument :
BNA_F
ClientSampleId :
C8-B1(0-6)C

Tgt Ion:264 Resp: 95898
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.3 16.9 25.3

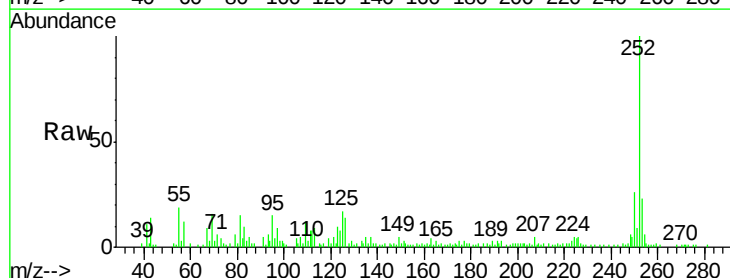


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 11.14 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089000.D
Acq: 14 Jul 2016 22:21

Tgt Ion:252 Resp: 67018
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 17.1 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

