

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088628.D
 Acq On : 2 Jul 2016 20:33
 Operator : UM/SJ
 Sample : H3847-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Quant Time: Jul 03 03:04:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

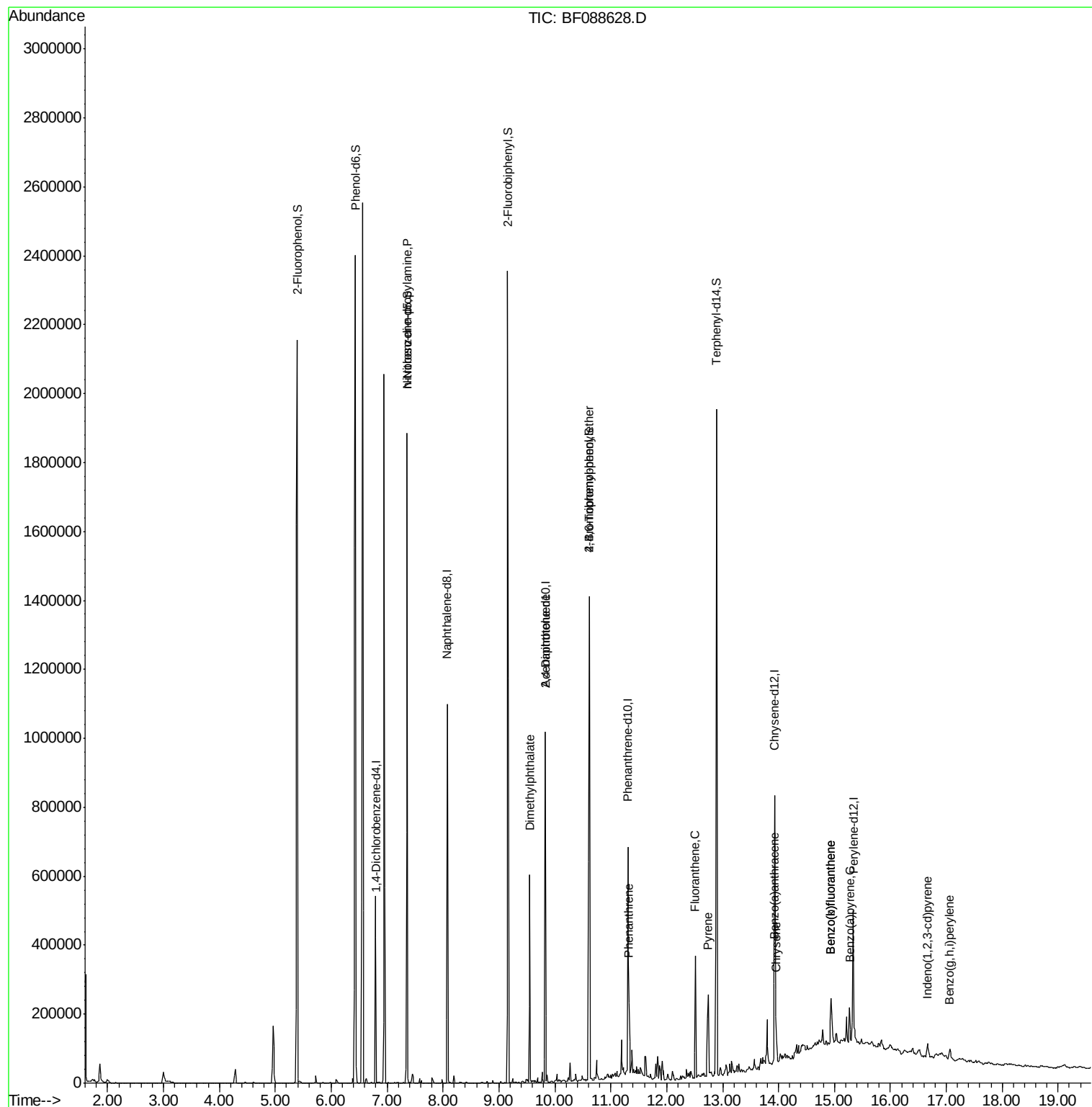
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108979	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	441123	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	178771	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	275971	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	220553	20.00	ng	-0.02
86) Perylene-d12	15.34	264	204829	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	801130	110.17	ng	-0.01
7) Phenol-d6	6.43	99	1066232	113.48	ng	-0.01
23) Nitrobenzene-d5	7.36	82	648267	77.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	163928	98.75	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	870775	76.94	ng	-0.02
78) Terphenyl-d14	12.89	244	525733	53.09	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	89805	14.23	ng	# 72
49) Dimethylphthalate	9.55	163	262945	20.65	ng	98
56) 2,4-Dinitrotoluene	9.83	165	22863	6.19	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	11951	4.30	ng	# 1
70) Phenanthrene	11.32	178	85890	5.69	ng	98
74) Fluoranthene	12.51	202	128474	8.40	ng	98
77) Pyrene	12.74	202	116262	6.22	ng	97
80) Benzo(a)anthracene	13.92	228	66525	4.68	ng	99
82) Chrysene	13.95	228	48974	3.49	ng	95
85) Indeno(1,2,3-cd)pyrene	16.66	276	23299	2.16	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	86680	6.75	ng	# 94
88) Benzo(k)fluoranthene	14.94	252	86680	7.75	ng	98
89) Benzo(a)pyrene	15.27	252	43704	4.02	ng	97
91) Benzo(g,h,i)perylene	17.06	276	23996	2.55	ng	93

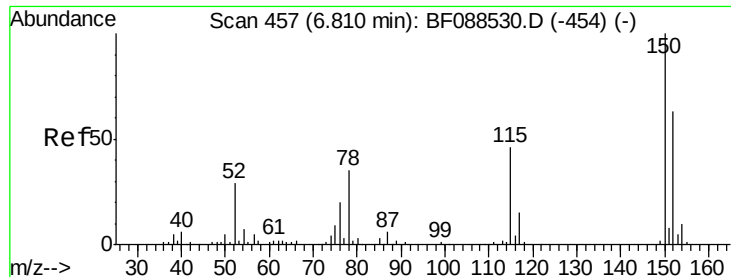
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

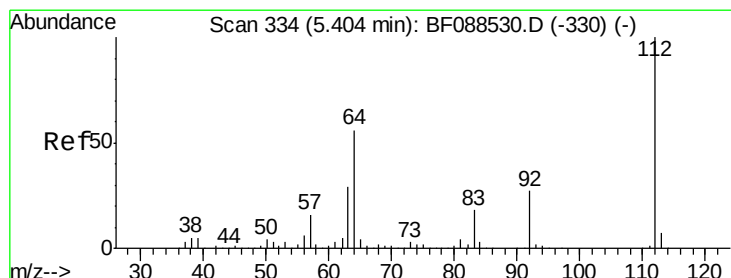
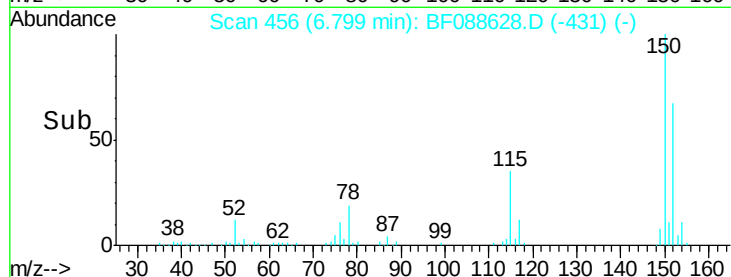
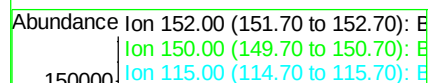
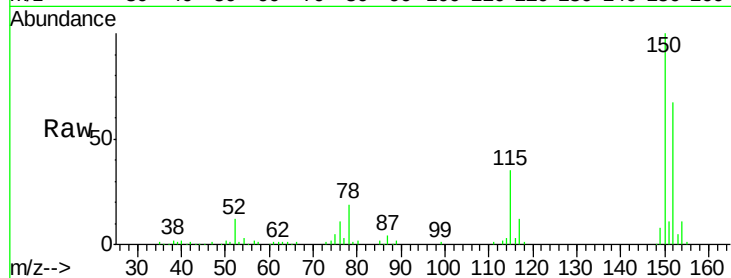
Tgt Ion:152 Resp: 108979

Ion Ratio Lower Upper

152 100

150 150.3 123.8 185.6

115 52.5 39.6 59.4



#5

2-Fluorophenol

Concen: 110.17 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

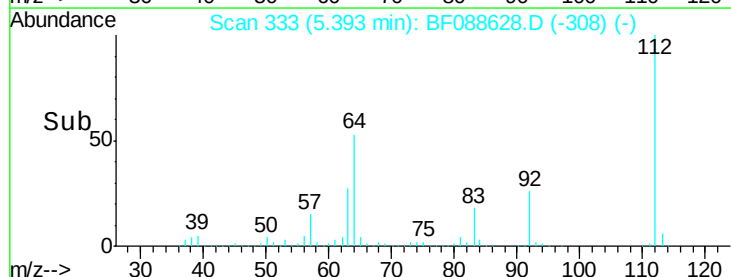
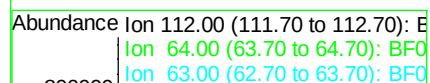
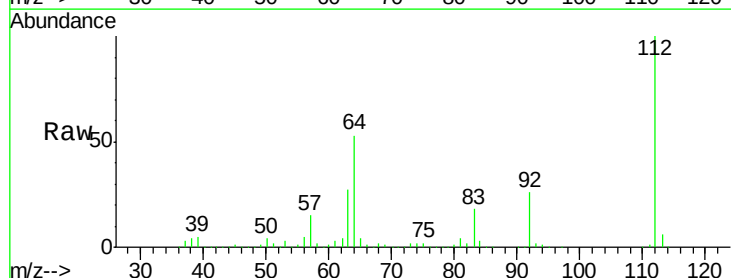
Tgt Ion:112 Resp: 801130

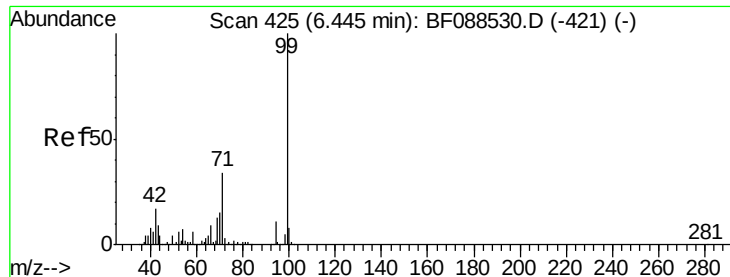
Ion Ratio Lower Upper

112 100

64 52.5 42.2 63.2

63 27.5 21.8 32.8





#7

Phenol-d6

Concen: 113.48 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

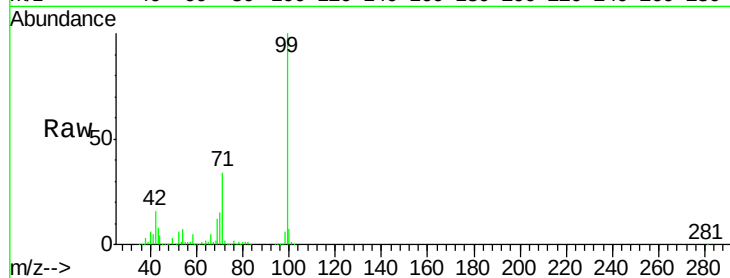
Tgt Ion: 99 Resp: 1066232

Ion Ratio Lower Upper

99 100

42 15.8 12.2 18.2

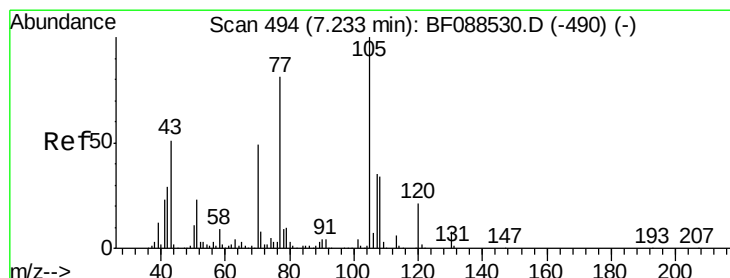
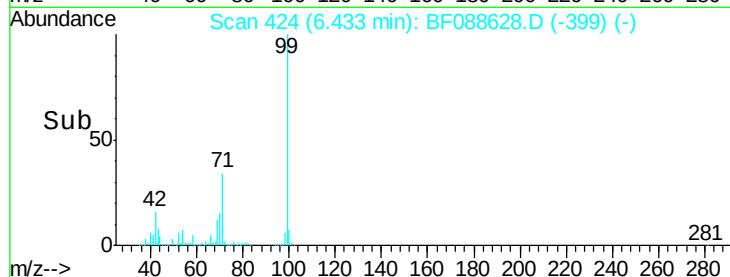
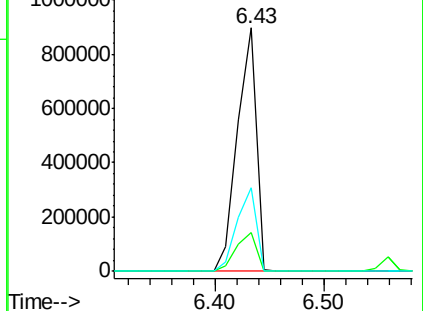
71 34.3 23.4 35.0



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: 14.23 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Tgt Ion: 70 Resp: 89805

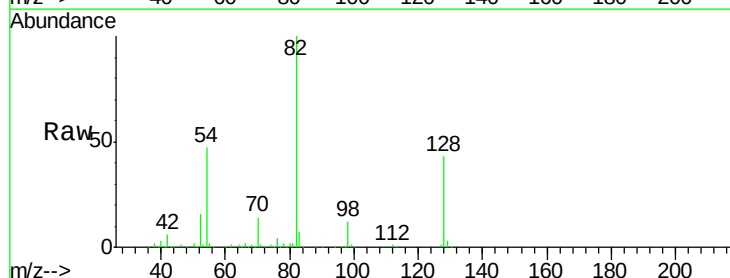
Ion Ratio Lower Upper

70 100

42 42.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

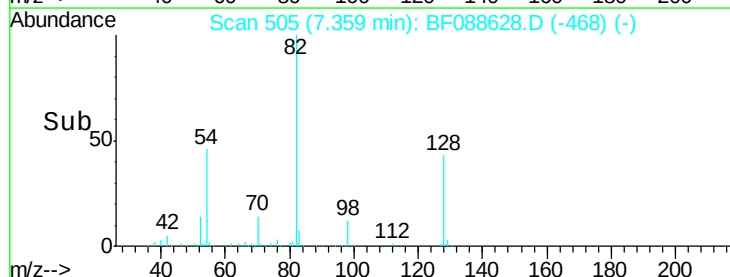
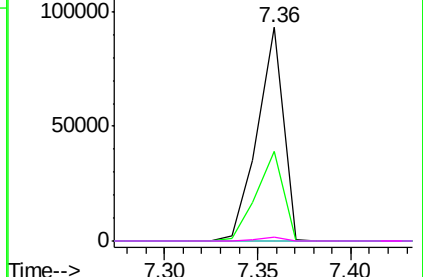


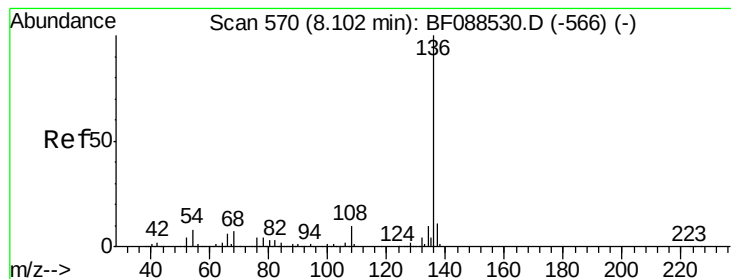
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

Tgt Ion:136 Resp: 441123

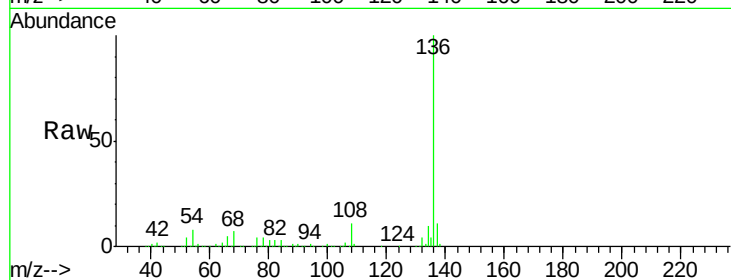
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.8 6.6 10.0

68 6.7 5.1 7.7

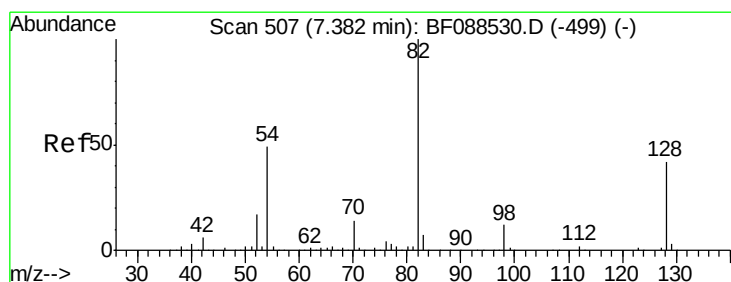
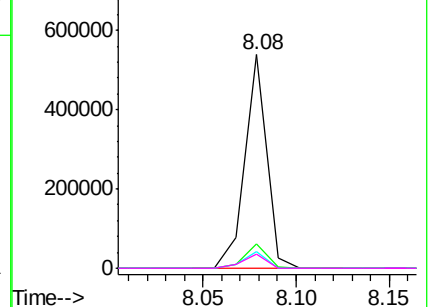
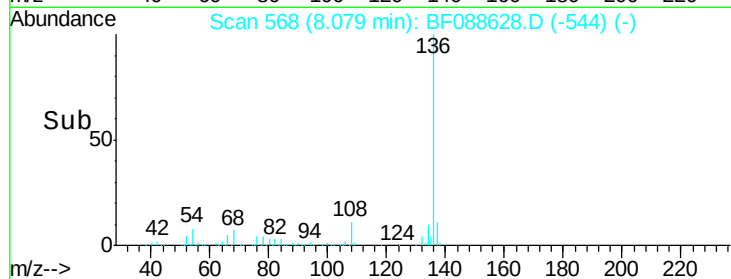


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.01 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

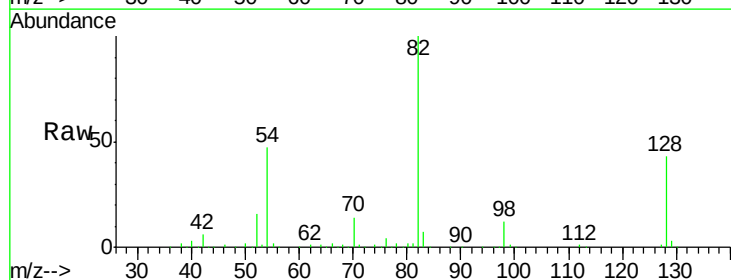
Tgt Ion: 82 Resp: 648267

Ion Ratio Lower Upper

82 100

128 43.4 35.9 53.9

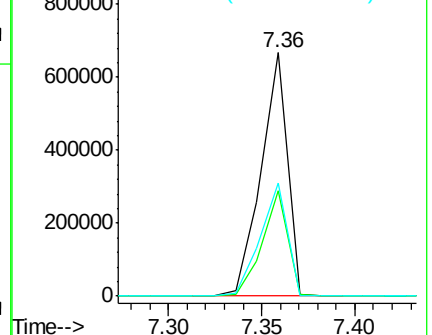
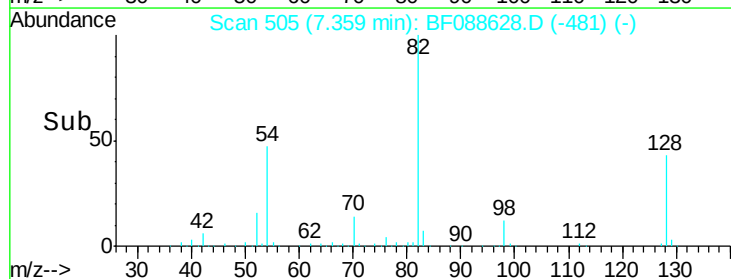
54 46.5 40.9 61.3

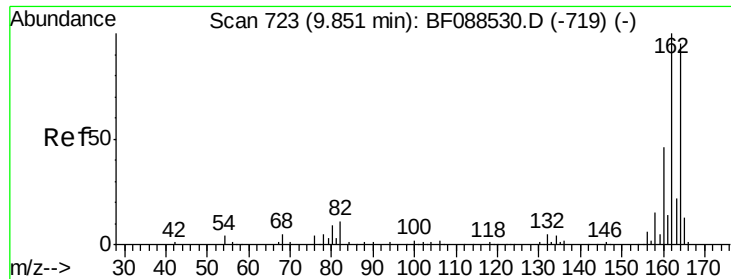


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

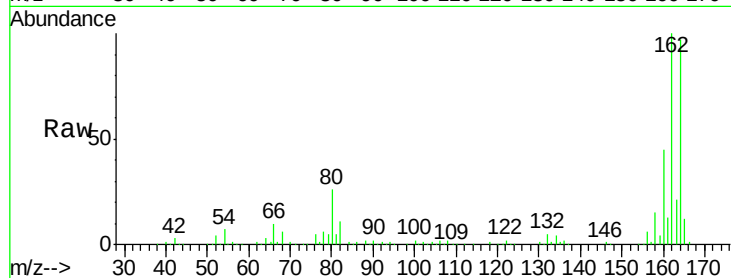




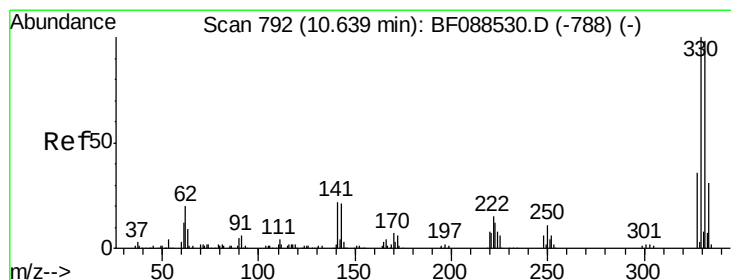
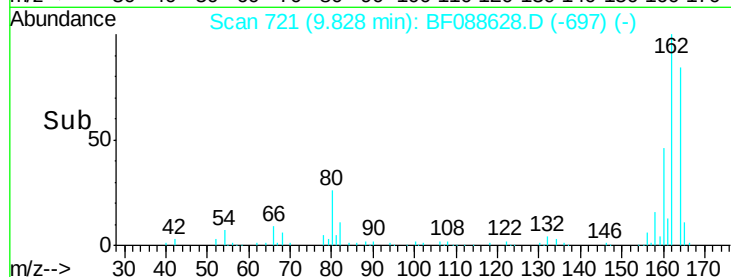
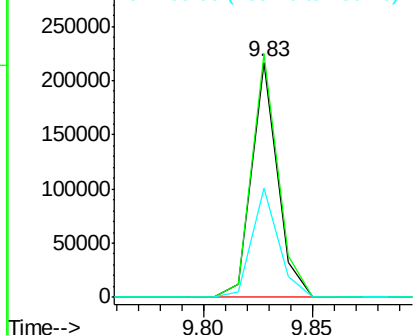
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion:164 Resp: 178771
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 46.7 39.5 59.3

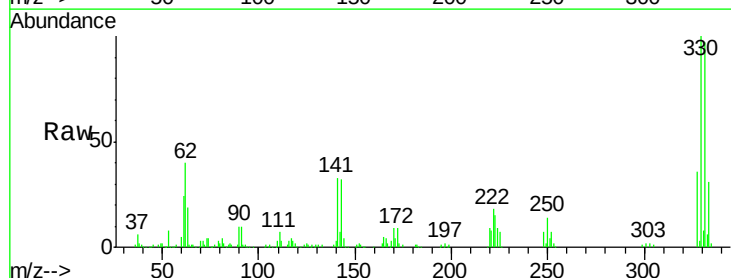


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

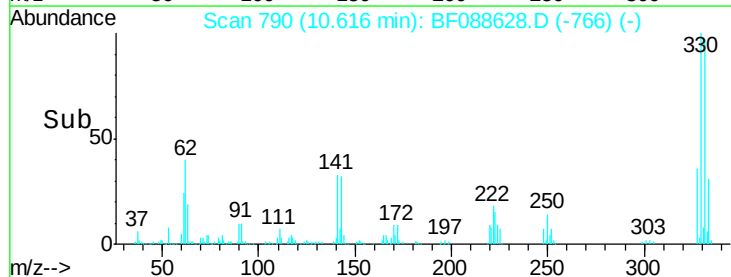
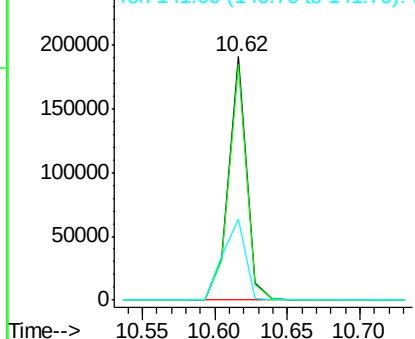


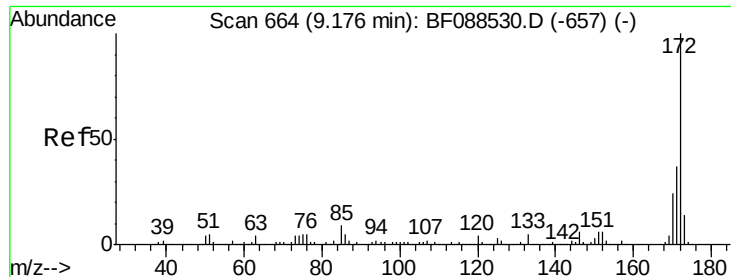
#41
 2,4,6-Tribromophenol
 Concen: 98.75 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion:330 Resp: 163928
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 42.0 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

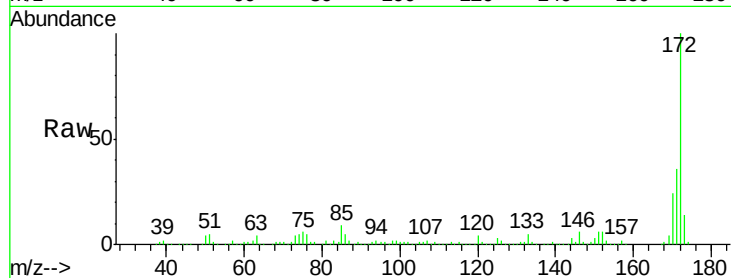




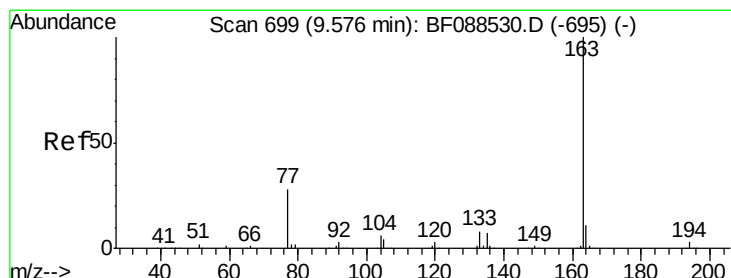
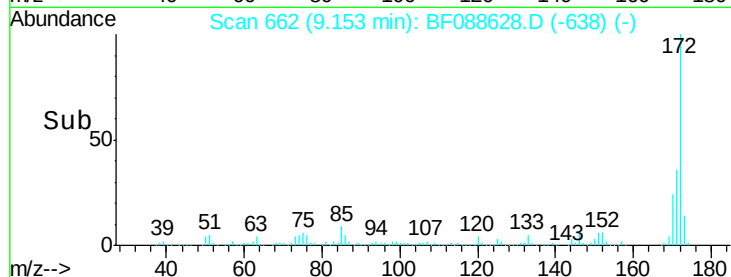
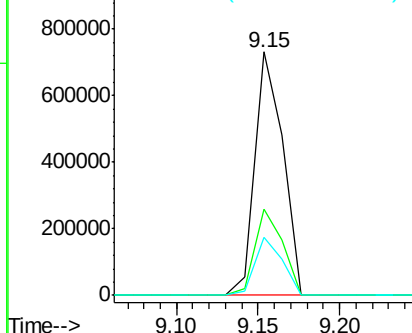
#44
2-Fluorobiphenyl
Concen: 76.94 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C

Tgt Ion:172 Resp: 870775
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.2 28.8

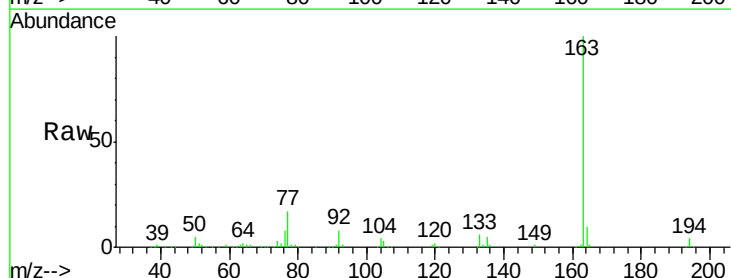


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

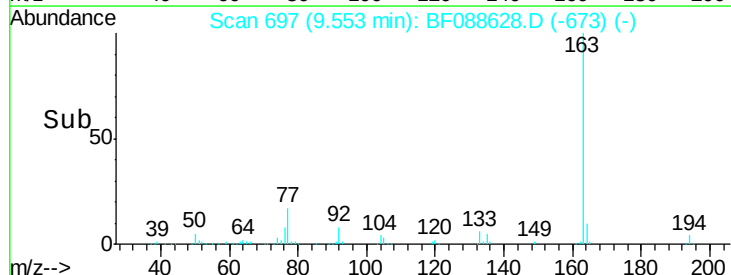
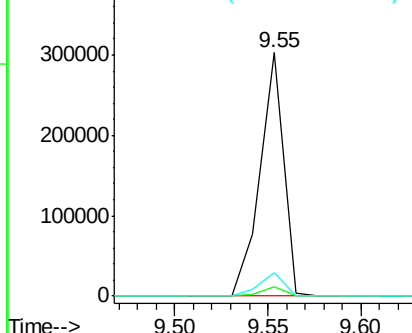


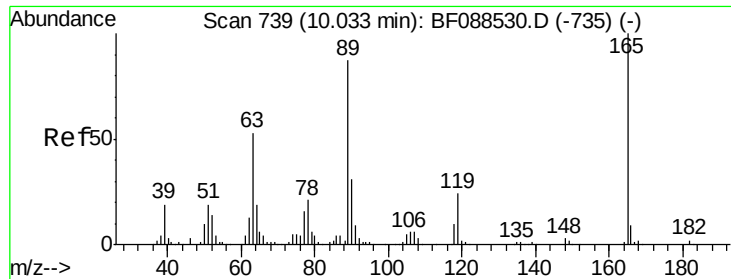
#49
Dimethylphthalate
Concen: 20.65 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion:163 Resp: 262945
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.7 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: 6.19 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

Tgt Ion:165 Resp: 22863

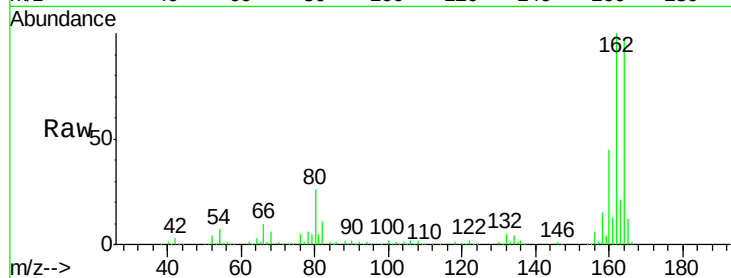
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

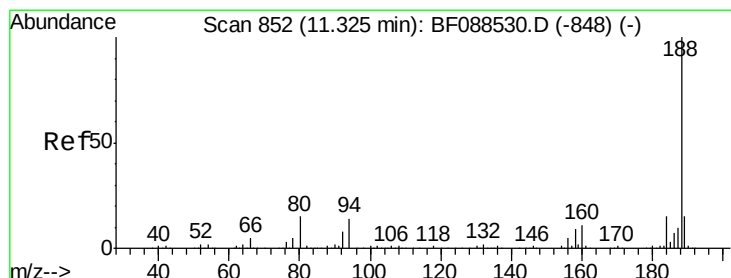
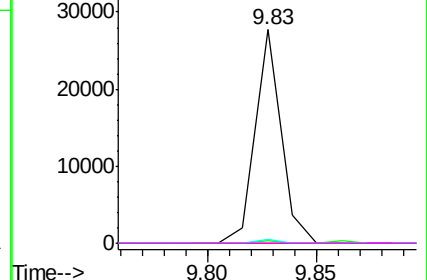
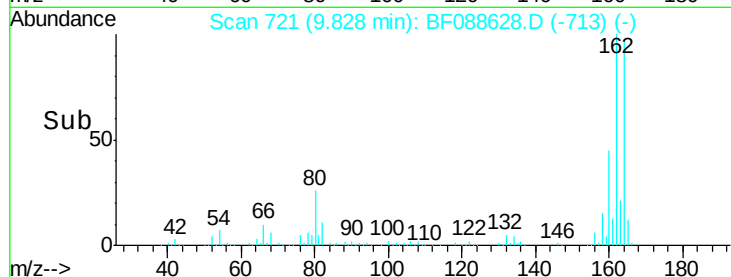


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.30 min Scan# 850

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

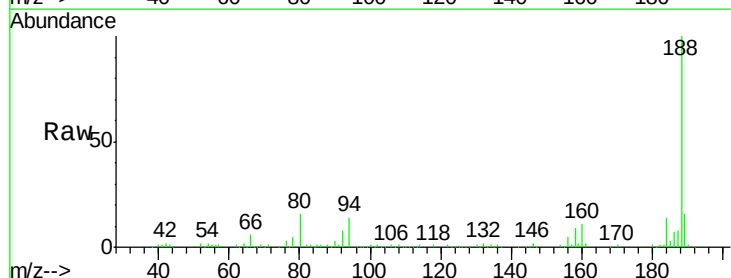
Tgt Ion:188 Resp: 275971

Ion Ratio Lower Upper

188 100

94 14.0 9.0 13.6#

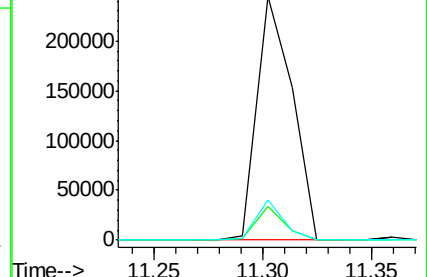
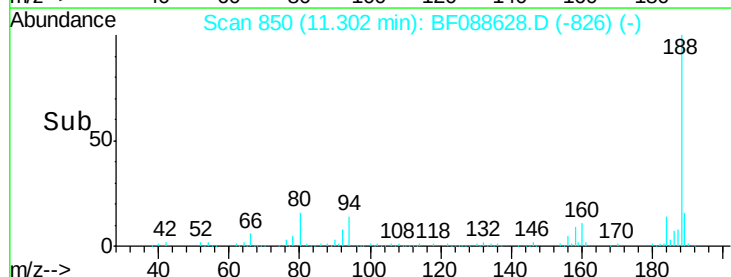
80 16.2 10.0 15.0#

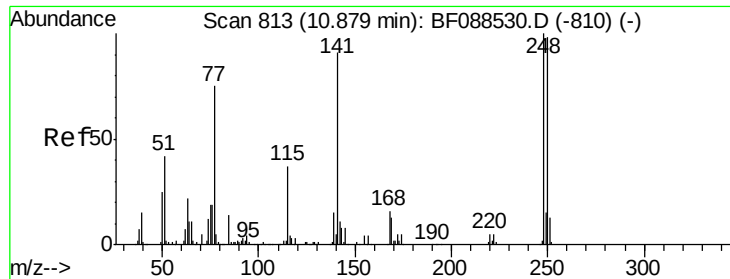


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

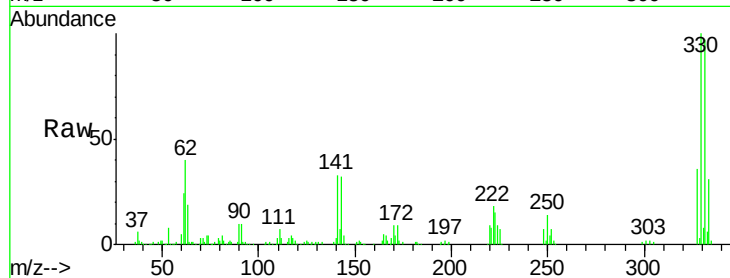




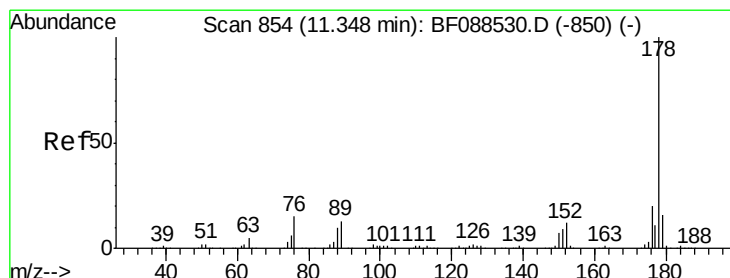
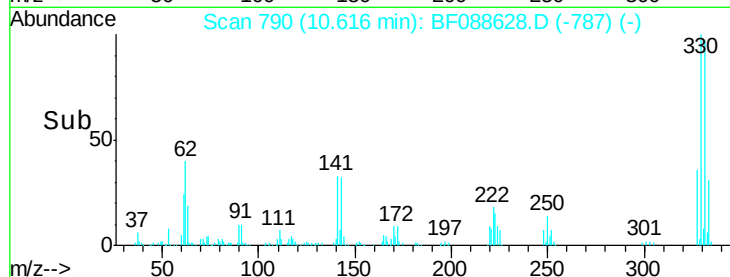
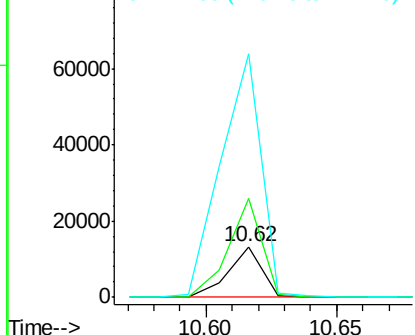
#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.26 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion:248 Resp: 11951
 Ion Ratio Lower Upper
 248 100
 250 195.2 77.1 115.7#
 141 479.3 50.6 76.0#

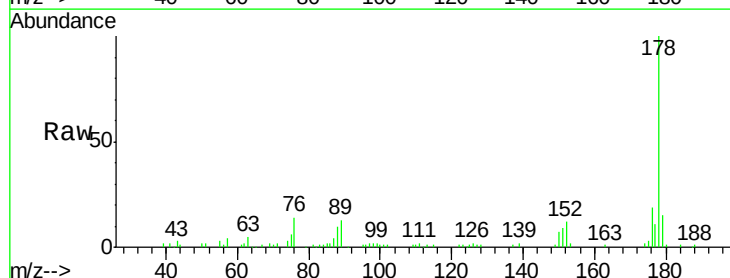


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

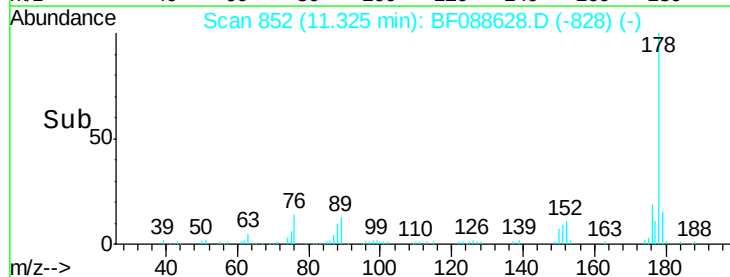
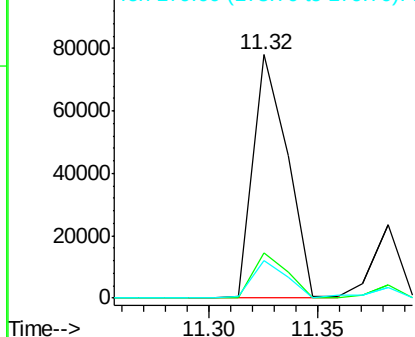


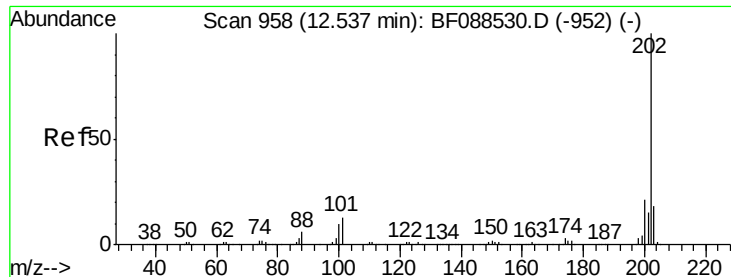
#70
 Phenanthrene
 Concen: 5.69 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion:178 Resp: 85890
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 15.5 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: 8.40 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

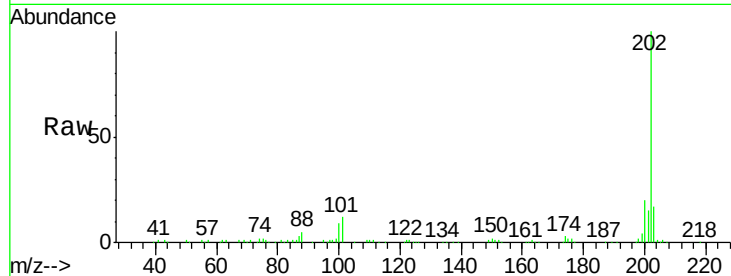
Tgt Ion:202 Resp: 128474

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.1

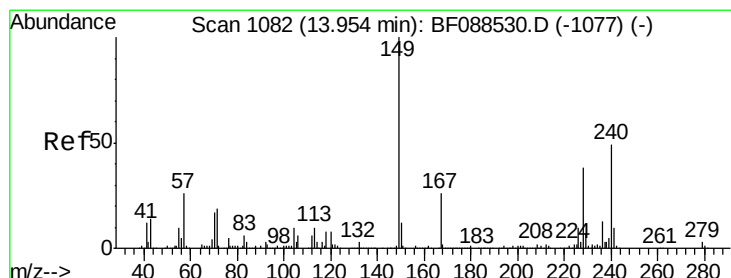
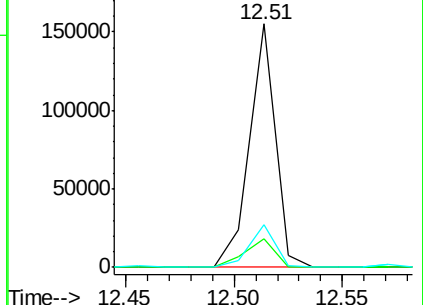
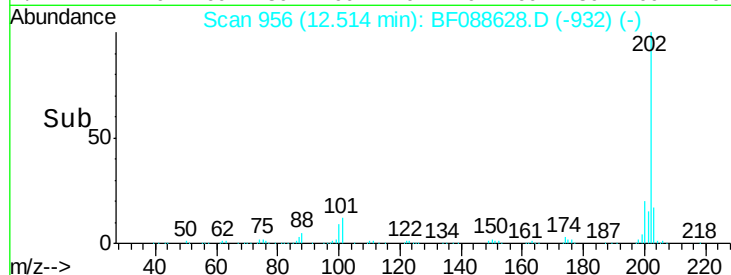
203 17.3 0.0 38.1



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

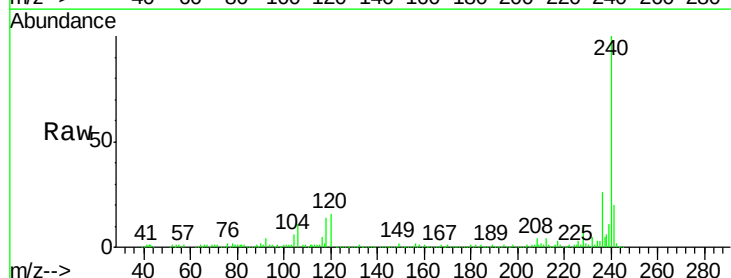
Tgt Ion:240 Resp: 220553

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

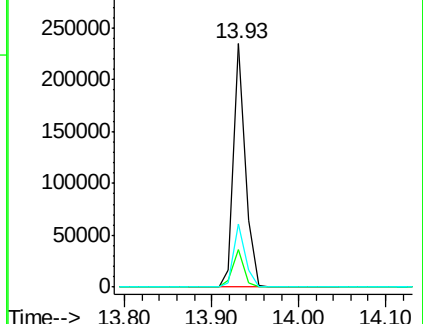
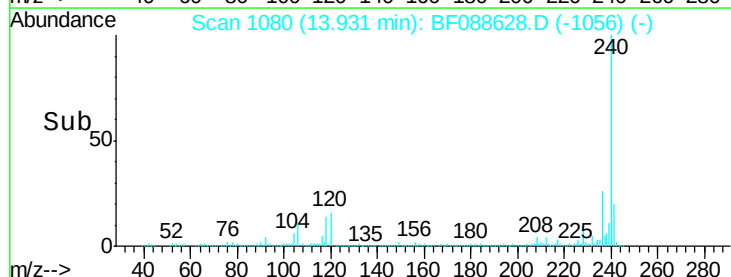
236 25.7 20.2 30.2

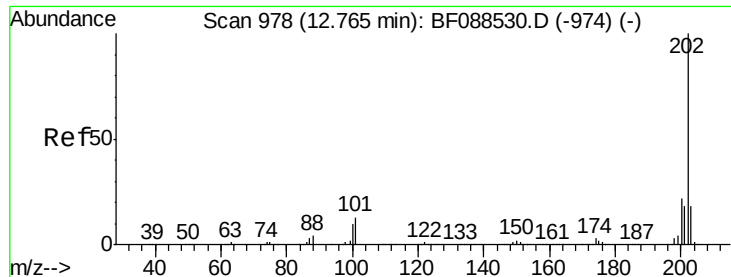


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

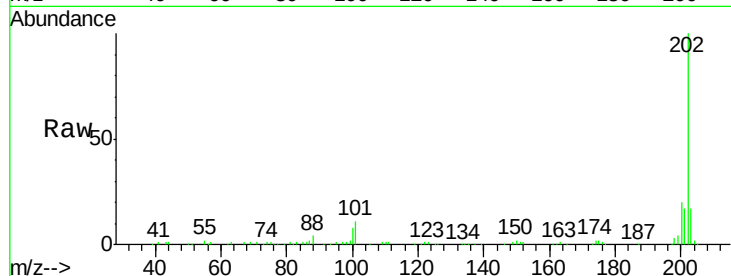




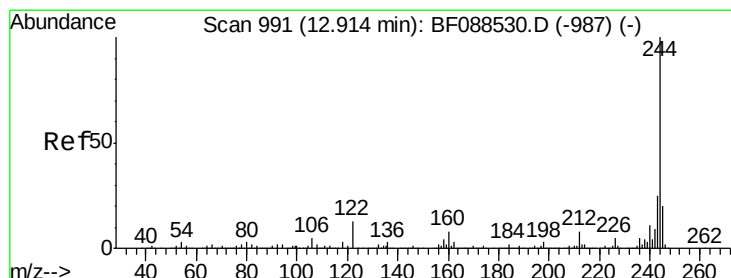
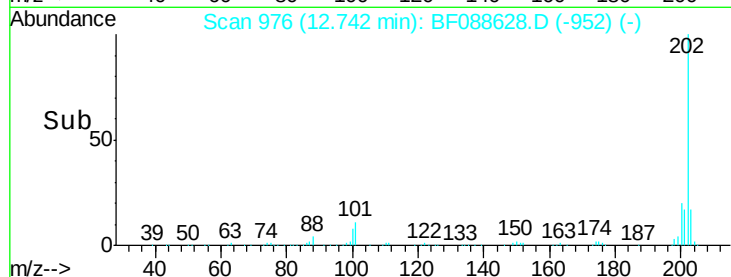
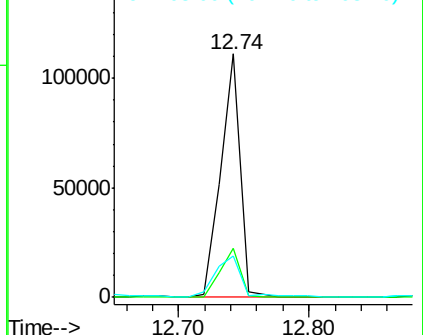
#77
Pyrene
 Concen: 6.22 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion: 202 Resp: 116262
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.4 26.2
 203 16.8 14.5 21.7

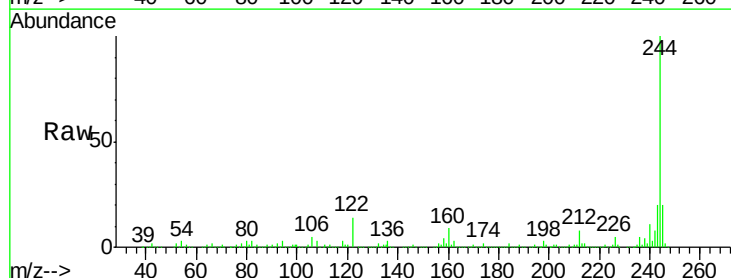


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

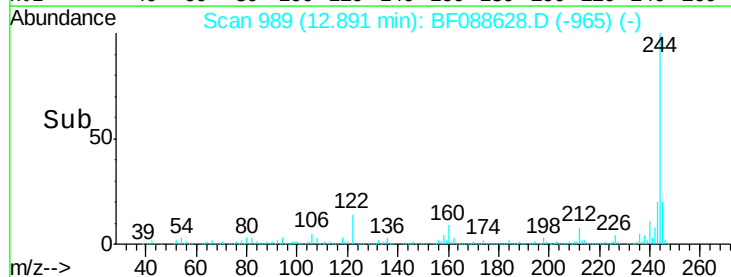
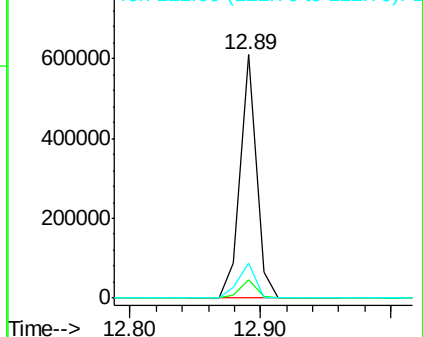


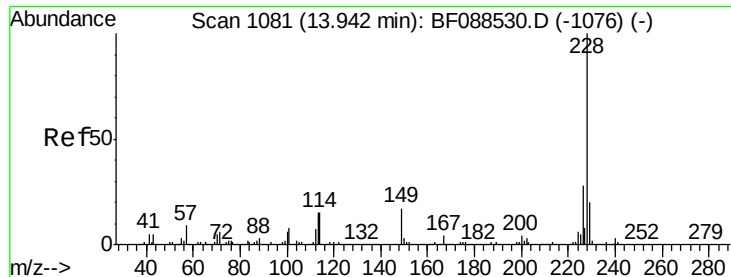
#78
Terphenyl-d14
 Concen: 53.09 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion: 244 Resp: 525733
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.1 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: 4.68 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

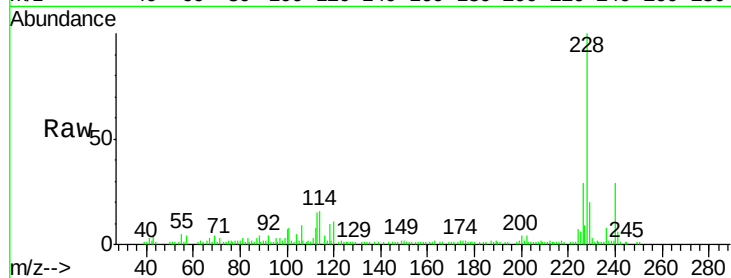
Tgt Ion:228 Resp: 66525

Ion Ratio Lower Upper

228 100

226 28.6 22.3 33.5

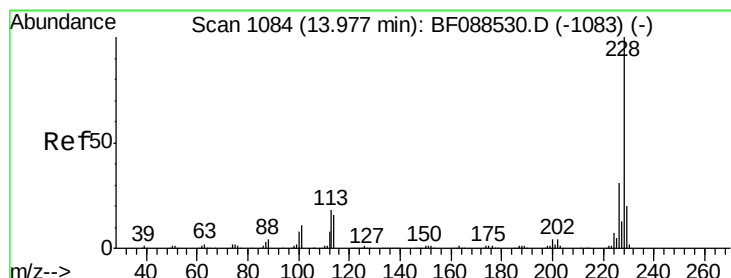
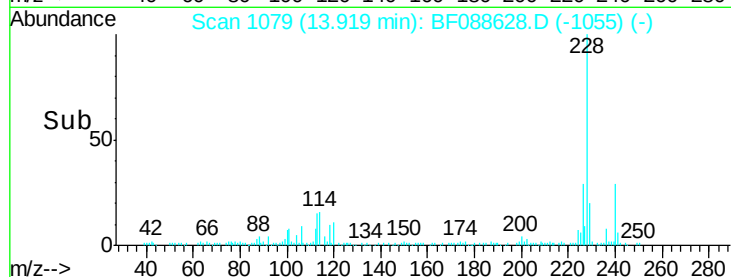
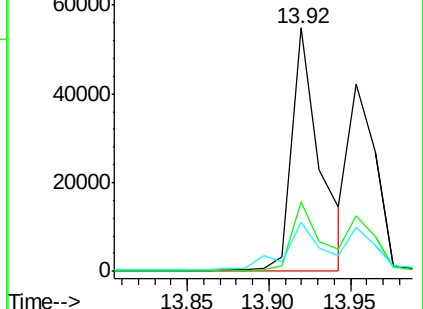
229 20.4 16.0 24.0



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: 3.49 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

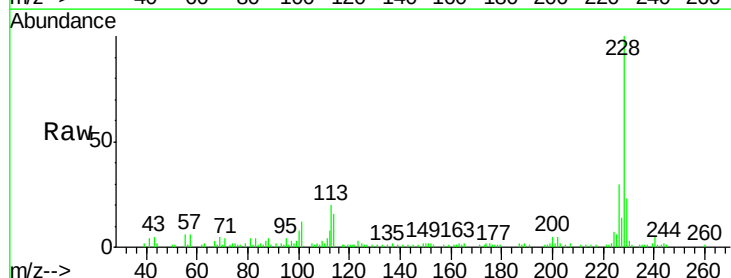
Tgt Ion:228 Resp: 48974

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

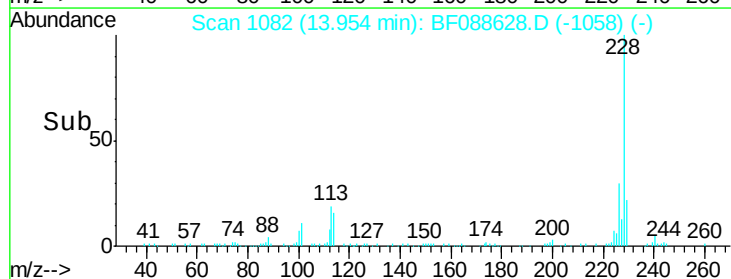
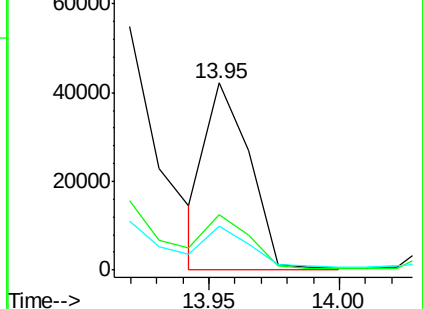
229 23.3 16.3 24.5

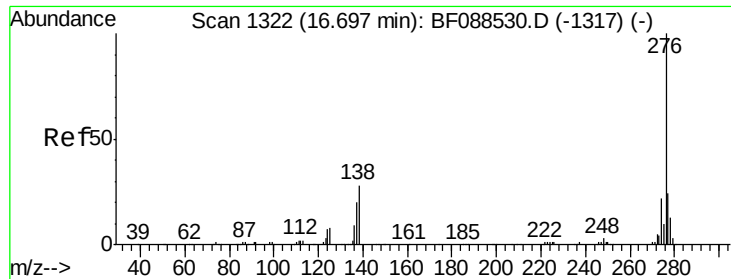


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

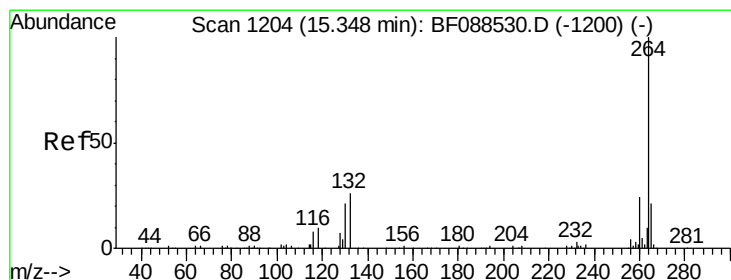
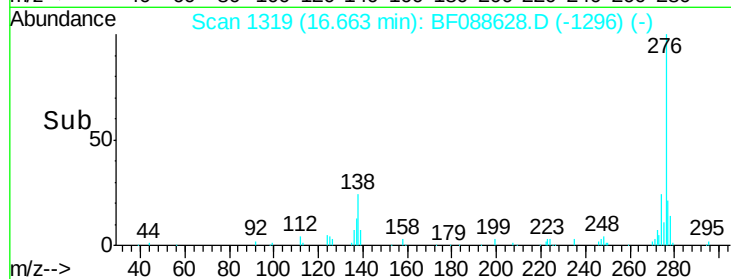
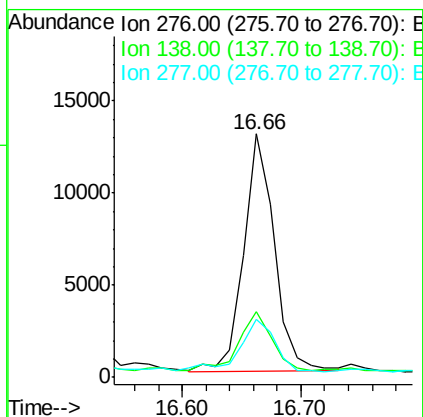
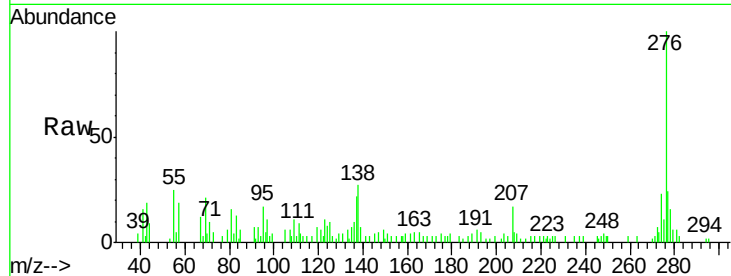




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.16 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

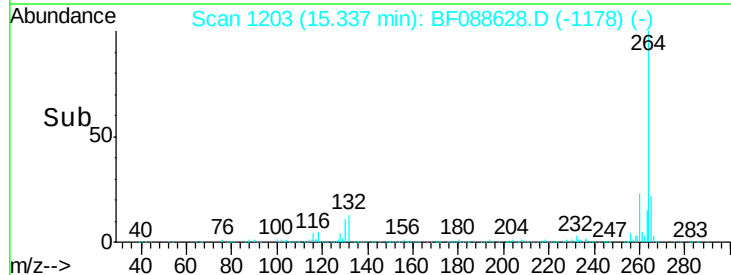
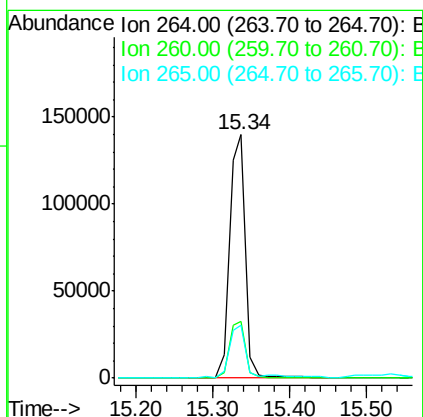
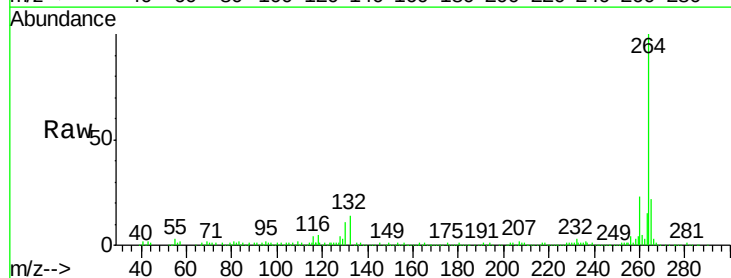
Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

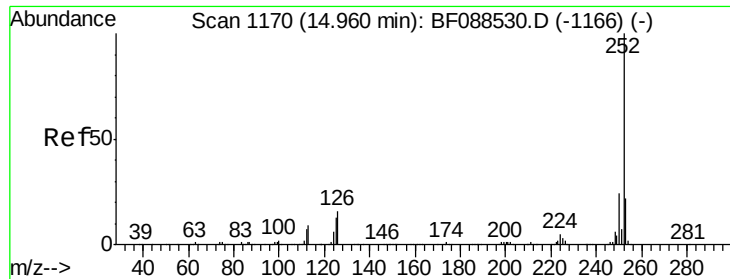
Tgt Ion: 276 Resp: 23299
 Ion Ratio Lower Upper
 276 100
 138 27.2 0.0 0.0#
 277 25.6 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion: 264 Resp: 204829
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.6 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 6.75 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

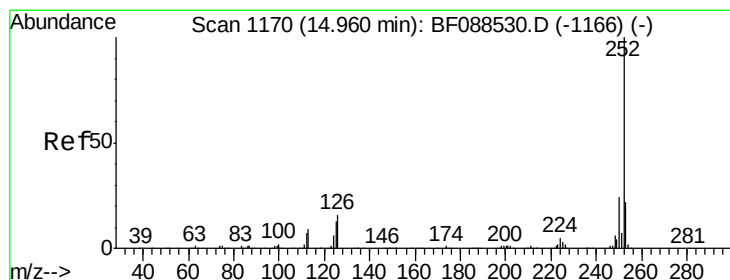
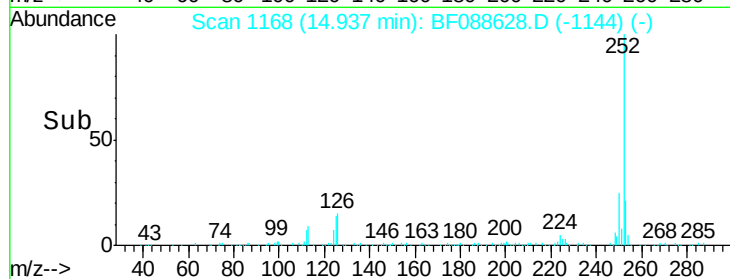
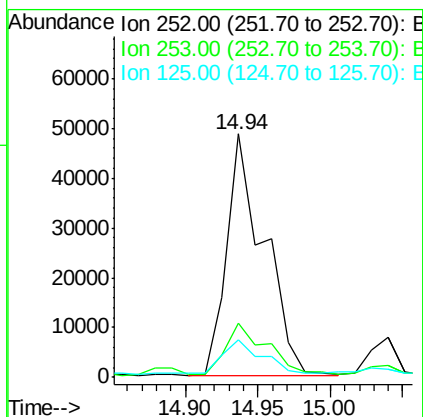
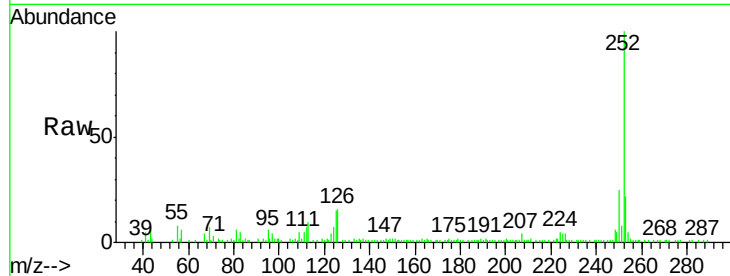
Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

Tgt Ion:	252	Resp:	86680
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	15.5	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 7.75 ng

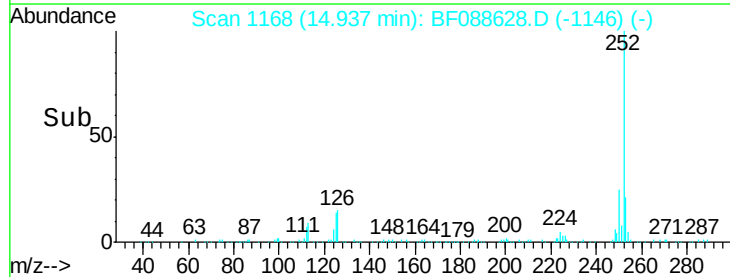
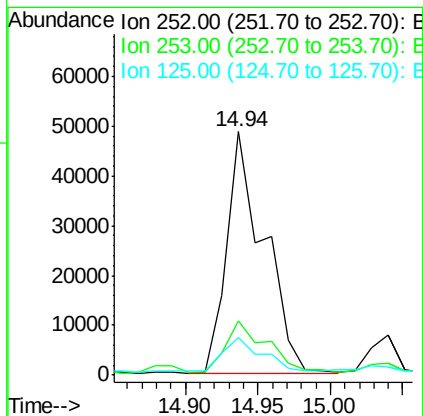
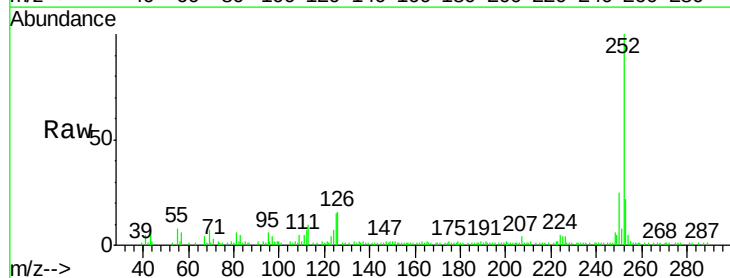
RT: 14.94 min Scan# 1168

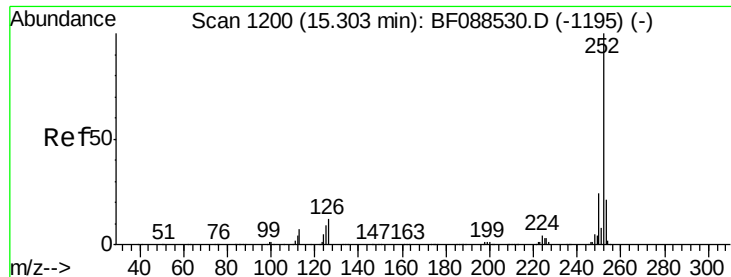
Delta R.T. -0.05 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Tgt Ion:	252	Resp:	86680
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	15.5	11.2	16.8





#89

Benzo(a)pyrene

Concen: 4.02 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

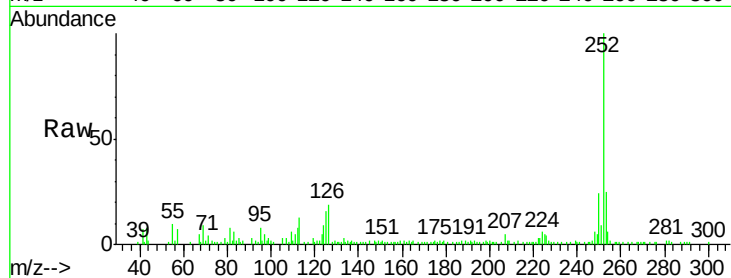
Tgt Ion:252 Resp: 43704

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

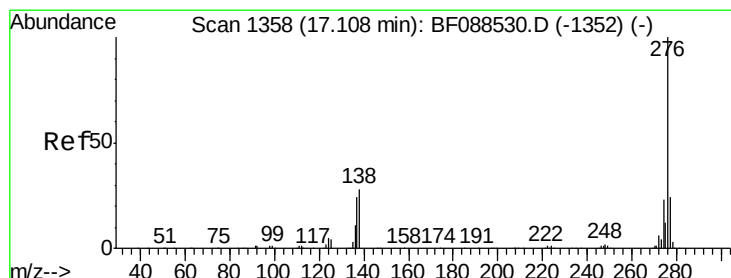
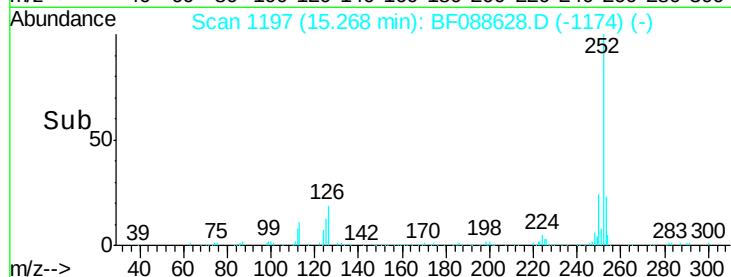
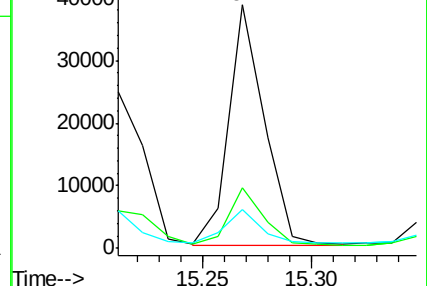
125 15.8 12.5 18.7



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: 2.55 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.05 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

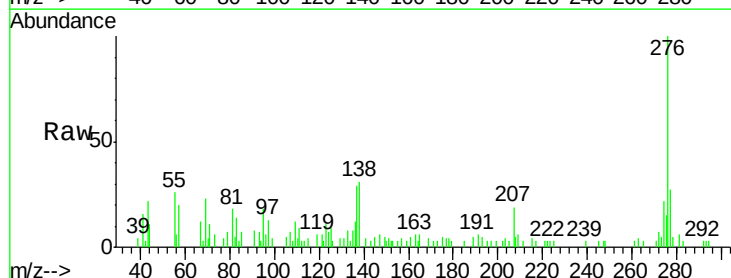
Tgt Ion:276 Resp: 23996

Ion Ratio Lower Upper

276 100

277 27.0 18.9 28.3

138 30.8 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

