

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070916\
 Data File : BF088880.D
 Acq On : 9 Jul 2016 19:33
 Operator : UM/SJ
 Sample : H3813-13 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS004-0006-01

Quant Time: Jul 11 04:36:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

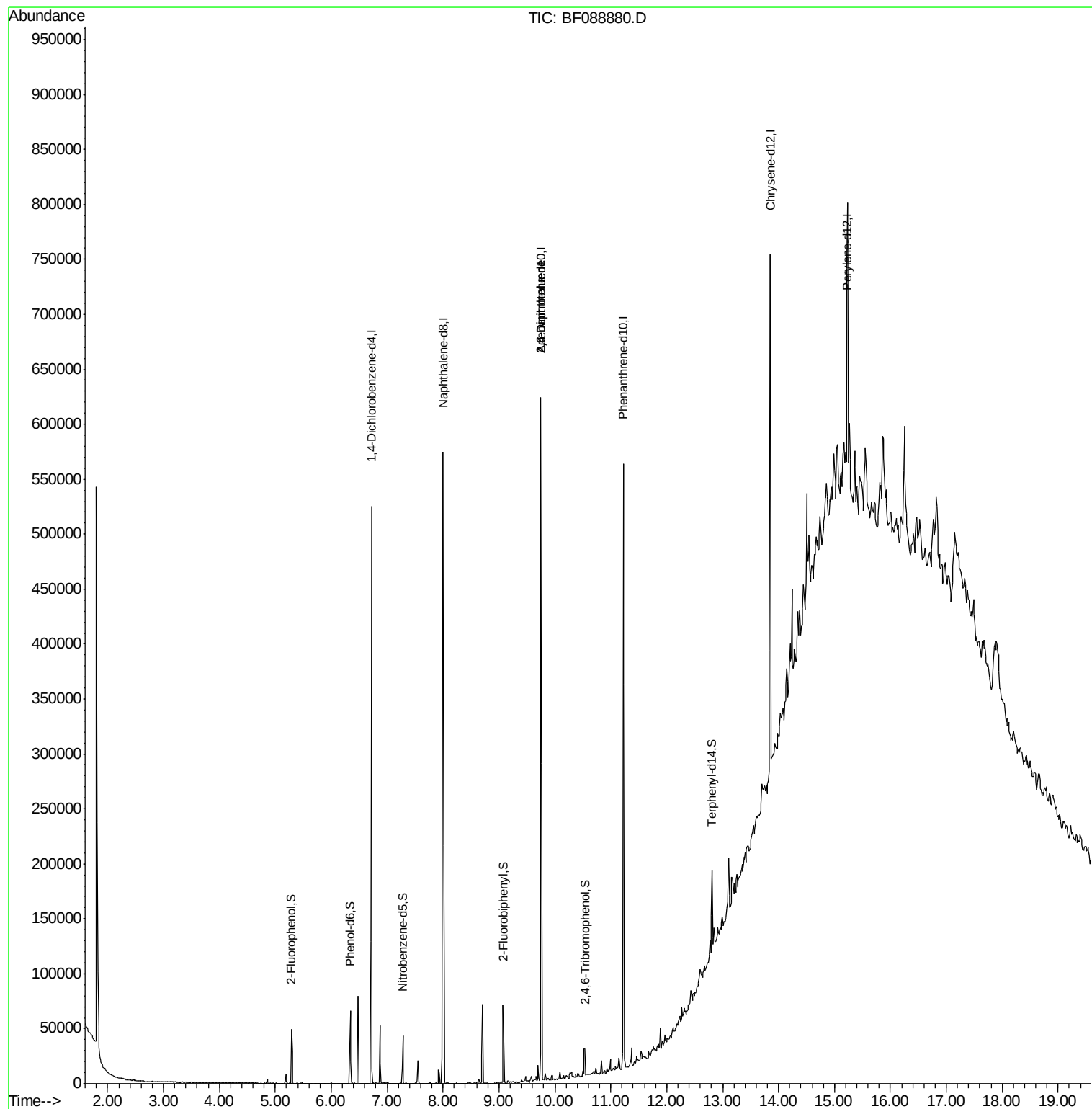
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	77875	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	278278	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	131240	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	245240	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	150260	20.00	ng	-0.02
86) Perylene-d12	15.23	264	142324	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	17134	3.30	ng	-0.03
7) Phenol-d6	6.34	99	23363	3.48	ng	-0.03
23) Nitrobenzene-d5	7.28	82	14756	2.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	5216	4.28	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	28215	3.40	ng	-0.02
78) Terphenyl-d14	12.81	244	22643	3.36	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.75	165	16702	8.06	ng	# 39
56) 2,4-Dinitrotoluene	9.75	165	16702	6.16	ng	# 37

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Instrument :

BNA_F

ClientSampleId :

P001-SS004-0006-01

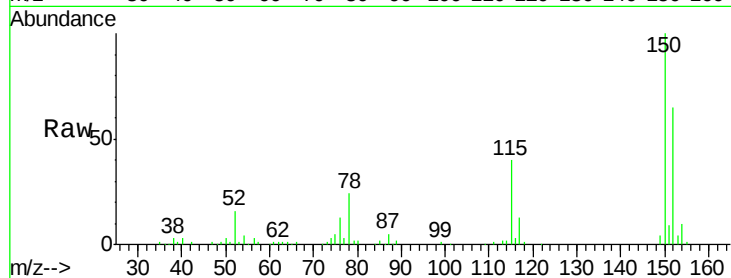
Tgt Ion:152 Resp: 77875

Ion Ratio Lower Upper

152 100

150 154.6 123.8 185.6

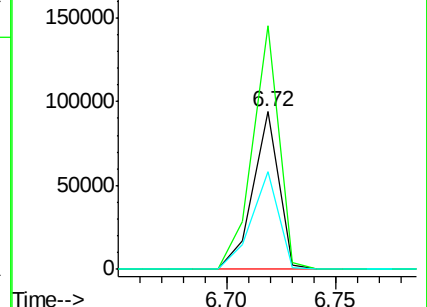
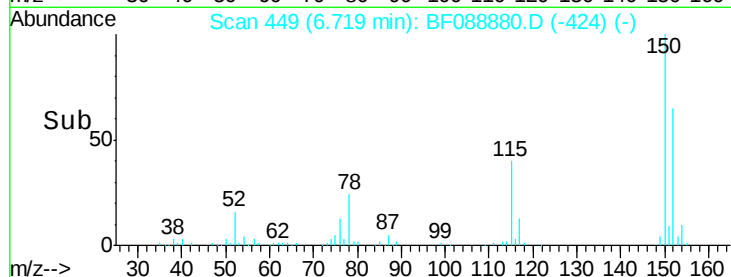
115 62.2 39.6 59.4#



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: 3.30 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.03 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

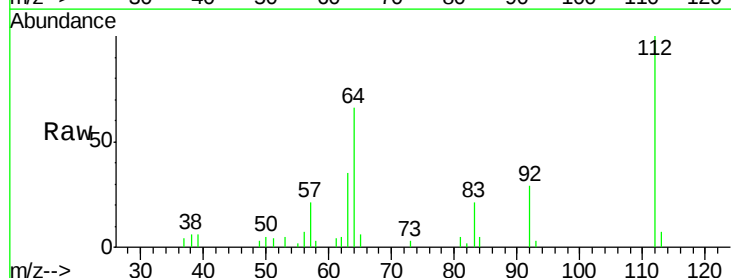
Tgt Ion:112 Resp: 17134

Ion Ratio Lower Upper

112 100

64 65.8 42.2 63.2#

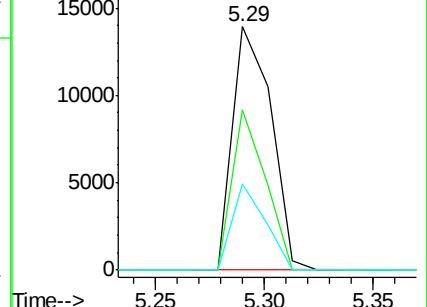
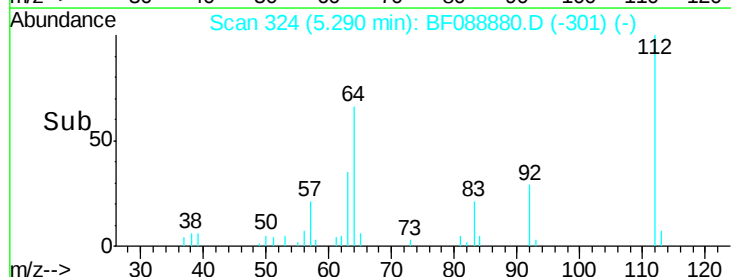
63 35.3 21.8 32.8#



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: 3.48 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.03 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Instrument :

BNA_F

ClientSampleId :

P001-SS004-0006-01

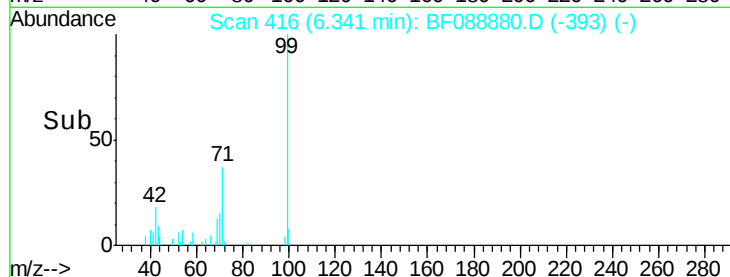
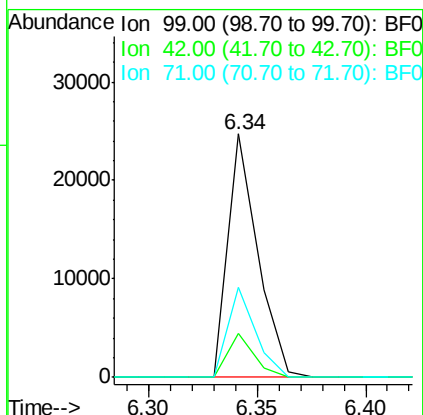
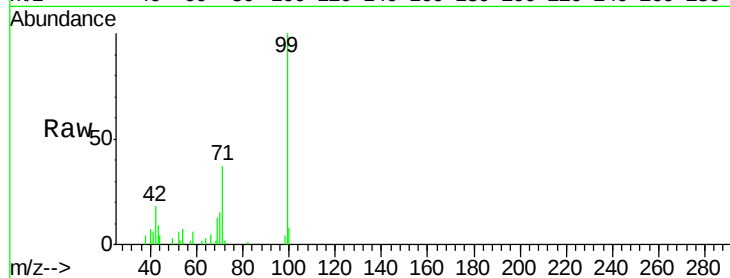
Tgt Ion: 99 Resp: 23363

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.2

71 37.1 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.02 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Tgt Ion: 136 Resp: 278278

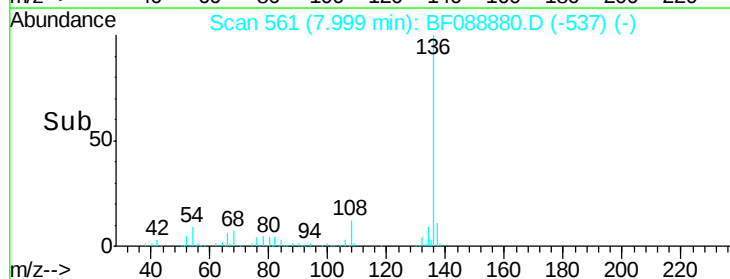
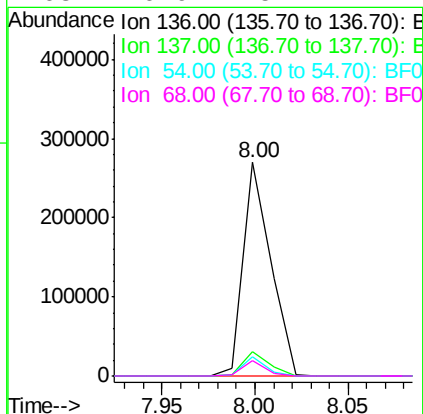
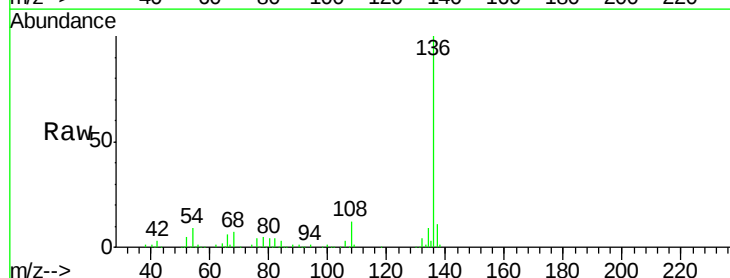
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.9 6.6 10.0

68 6.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 2.78 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Instrument :

BNA_F

ClientSampleId :

P001-SS004-0006-01

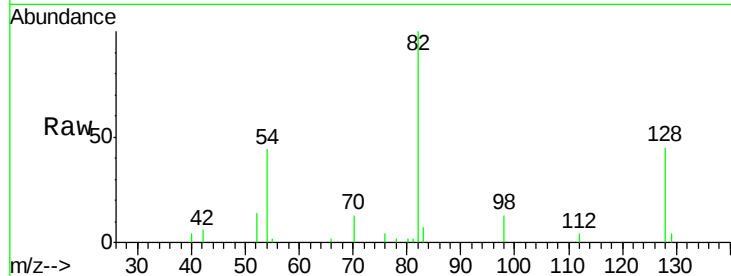
Tgt Ion: 82 Resp: 14756

Ion Ratio Lower Upper

82 100

128 44.6 35.9 53.9

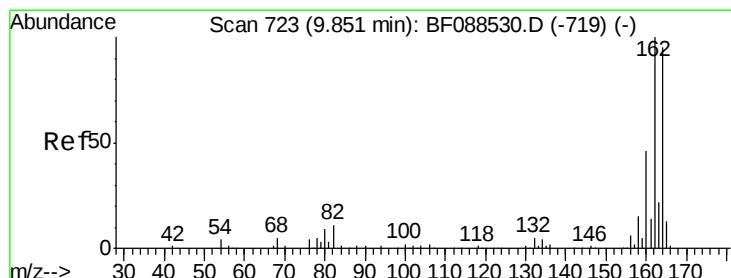
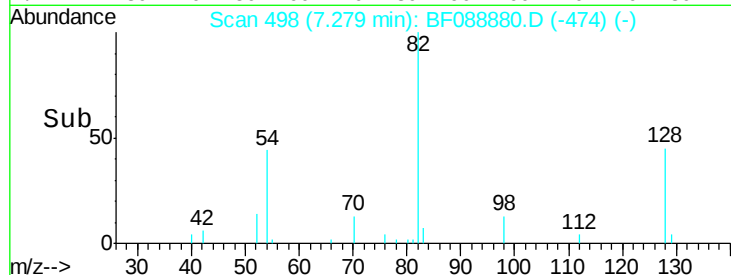
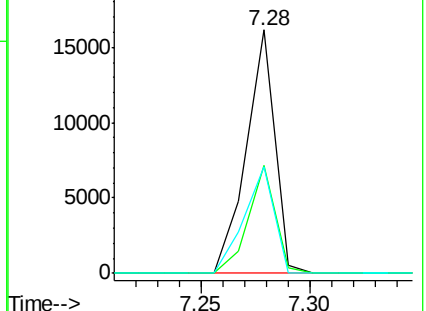
54 43.6 40.9 61.3



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. -0.02 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

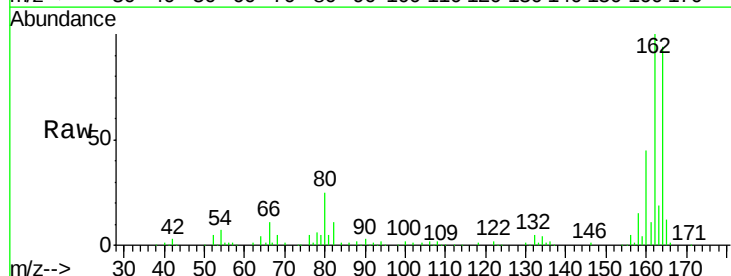
Tgt Ion: 164 Resp: 131240

Ion Ratio Lower Upper

164 100

162 106.0 85.4 128.2

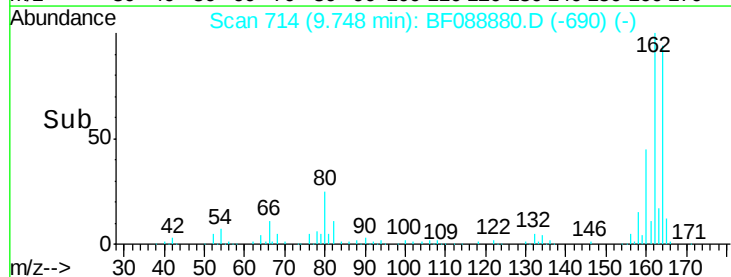
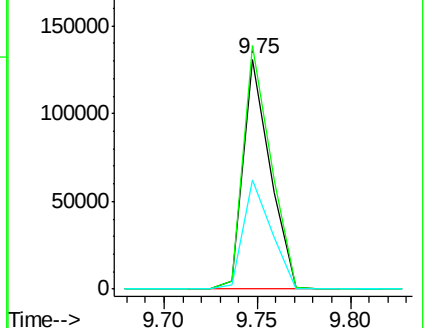
160 47.4 39.5 59.3



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

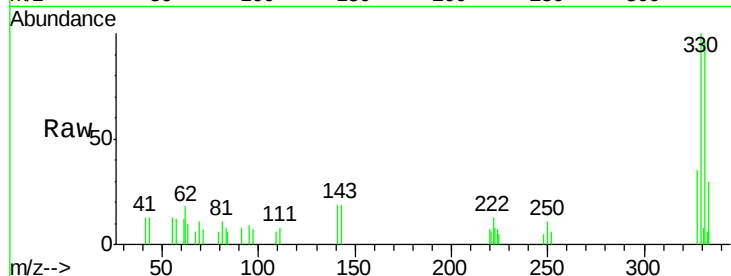




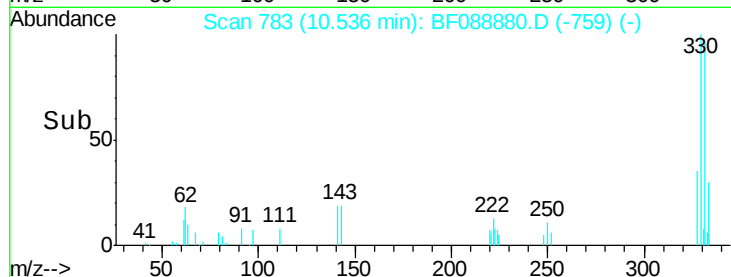
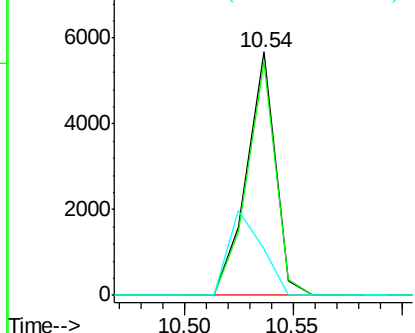
#41
 2,4,6-Tribromophenol
 Concen: 4.28 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF088880.D
 Acq: 9 Jul 2016 19:33

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS004-0006-01

Tgt Ion:	330	Resp:	5216
Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	40.3	0.0	0.0#

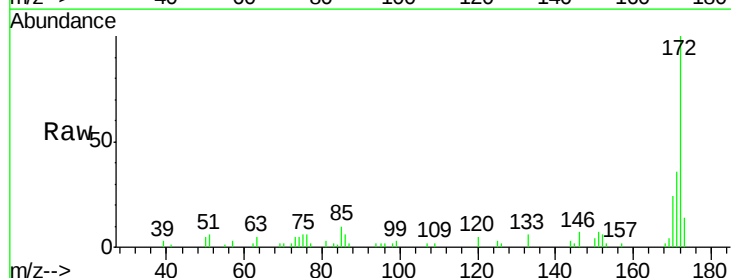


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

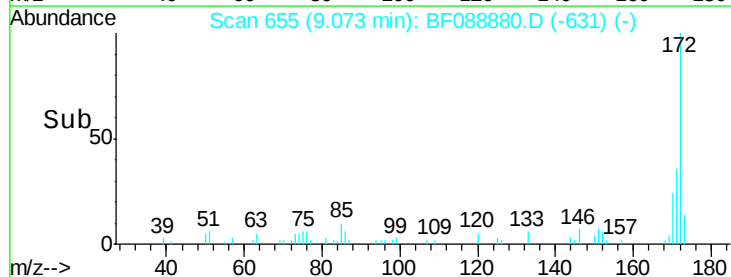
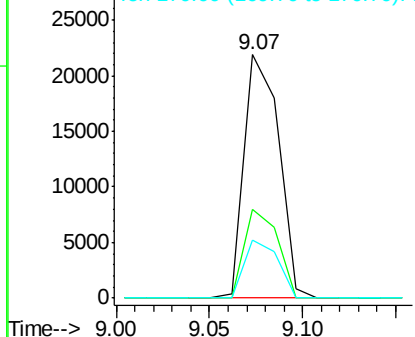


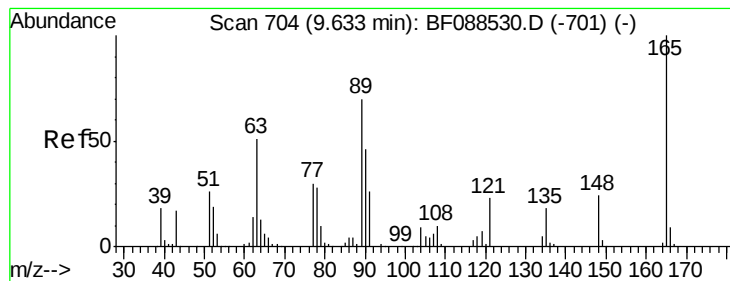
#44
 2-Fluorobiphenyl
 Concen: 3.40 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF088880.D
 Acq: 9 Jul 2016 19:33

Tgt Ion:	172	Resp:	28215
Ion	Ratio	Lower	Upper
172	100		
171	36.2	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





#50

2,6-Dinitrotoluene

Concen: 8.06 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.18 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Instrument :

BNA_F

ClientSampleId :

P001-SS004-0006-01

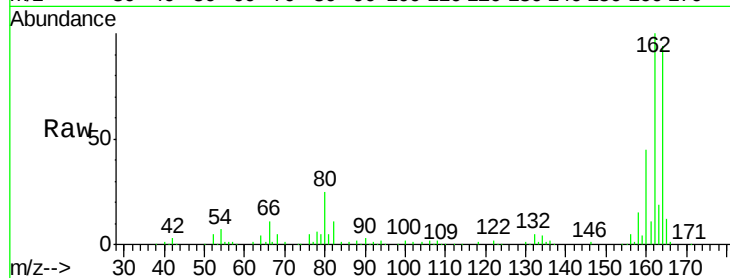
Tgt Ion:165 Resp: 16702

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

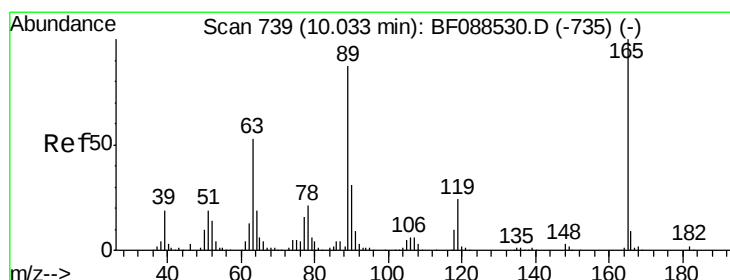
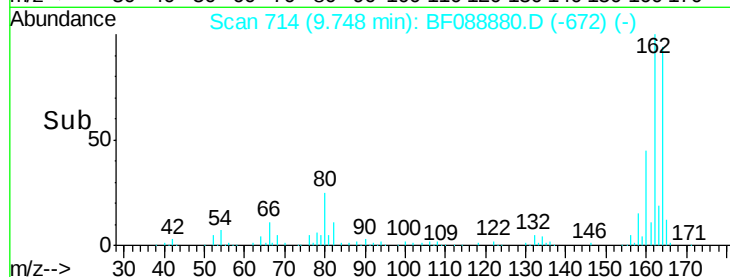
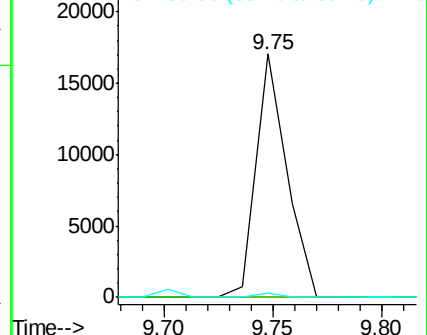
89 1.9 32.2 48.2#



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



#56

2,4-Dinitrotoluene

Concen: 6.16 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.21 min

Lab File: BF088880.D

Acq: 9 Jul 2016 19:33

Tgt Ion:165 Resp: 16702

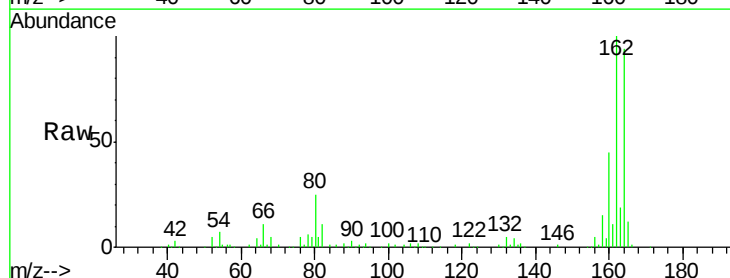
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.9 41.1 61.7#

182 0.0 2.0 3.0#

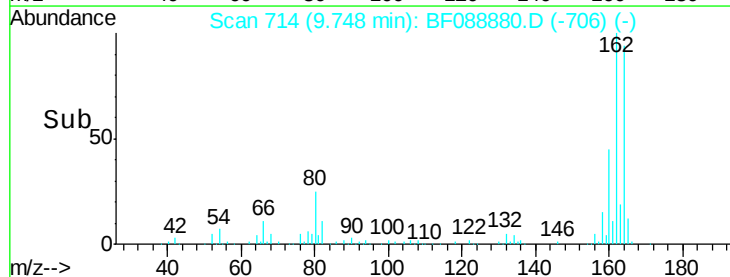
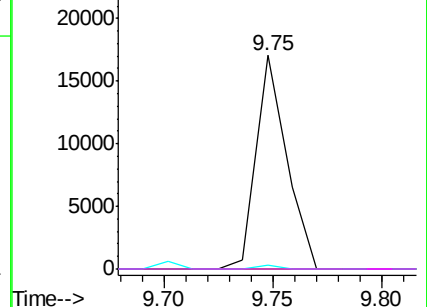


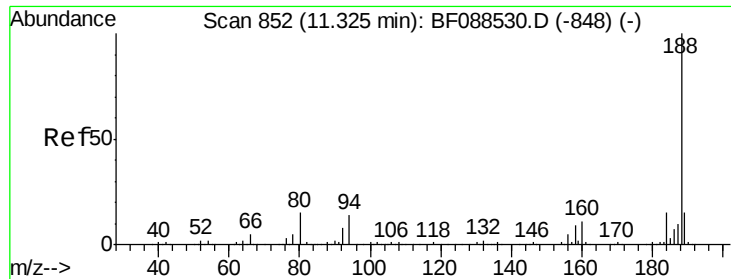
Abundance Ion 165.00 (164.70 to 165.70): E

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

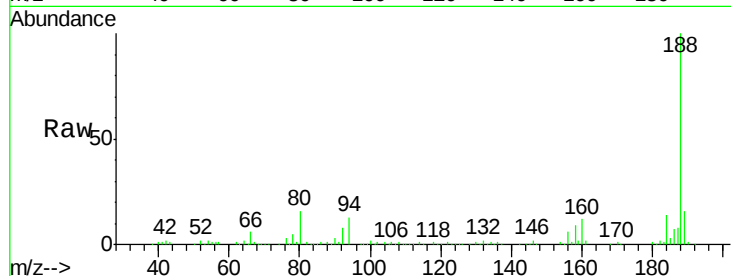




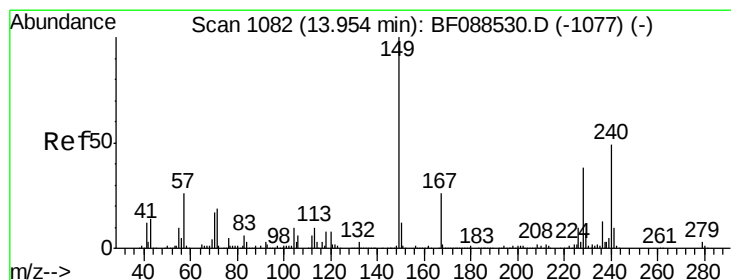
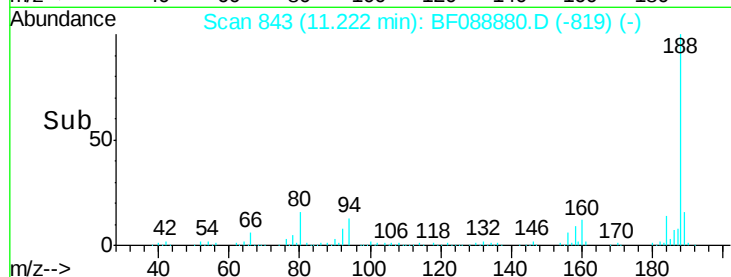
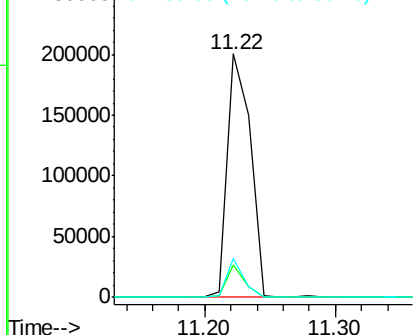
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF088880.D
Acq: 9 Jul 2016 19:33

Instrument :
BNA_F
ClientSampleId :
P001-SS004-0006-01

Tgt Ion:188 Resp: 245240
Ion Ratio Lower Upper
188 100
94 13.3 9.0 13.6
80 15.9 10.0 15.0#

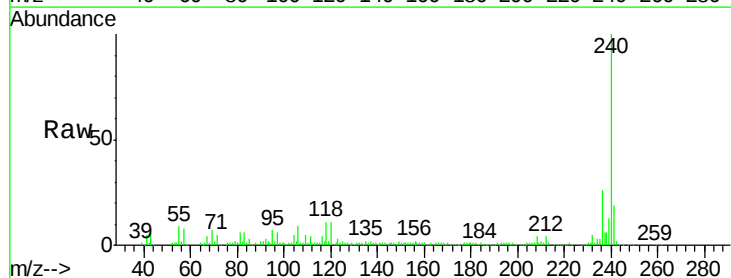


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

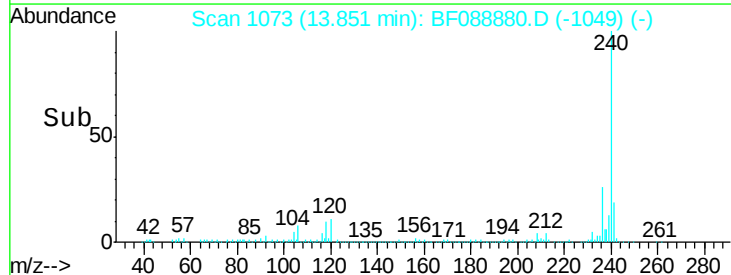
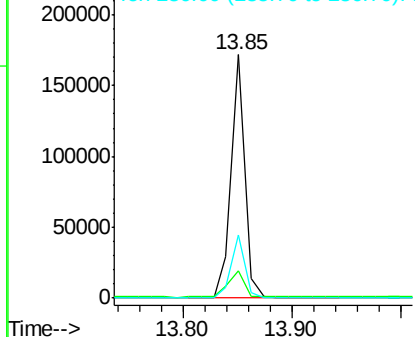


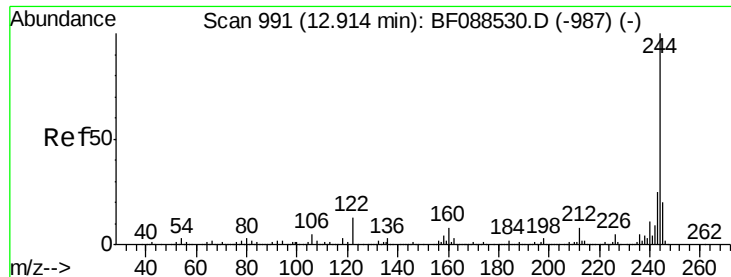
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF088880.D
Acq: 9 Jul 2016 19:33

Tgt Ion:240 Resp: 150260
Ion Ratio Lower Upper
240 100
120 11.1 6.8 10.2#
236 26.2 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

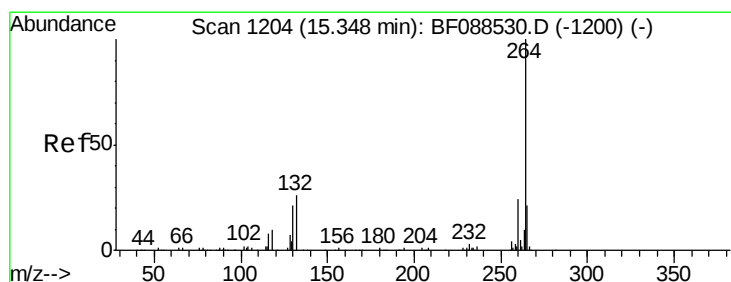
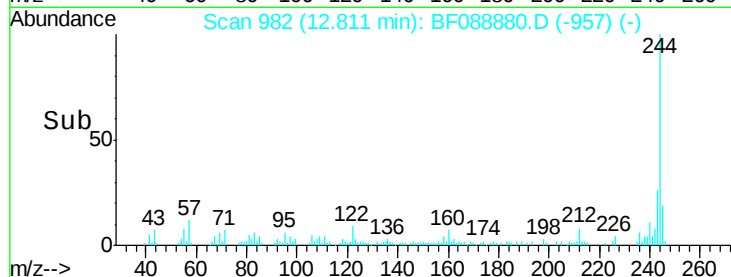
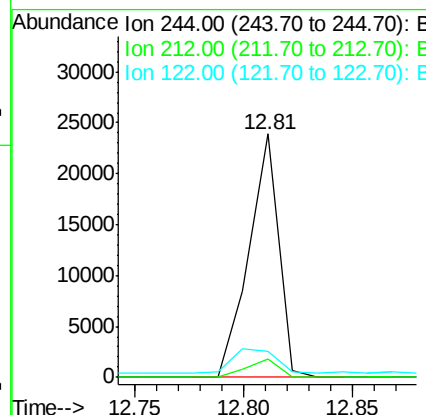
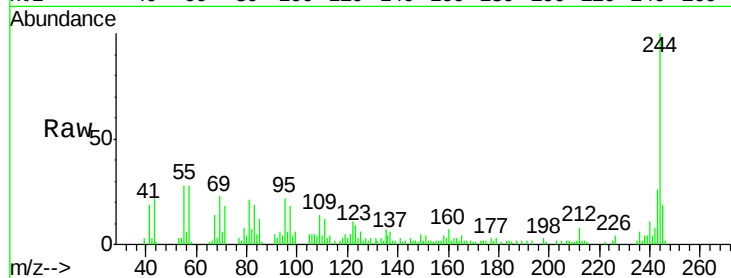




#78
 Terphenyl-d14
 Concen: 3.36 ng
 RT: 12.81 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF088880.D
 Acq: 9 Jul 2016 19:33

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS004-0006-01

Tgt Ion:244 Resp: 22643
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 10.6 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF088880.D
 Acq: 9 Jul 2016 19:33

Tgt Ion:264 Resp: 142324
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.9 16.9 25.3

