

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089027.D
 Acq On : 15 Jul 2016 20:30
 Operator : UM/SJ
 Sample : H3951-23 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

Quant Time: Jul 15 23:00:20 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

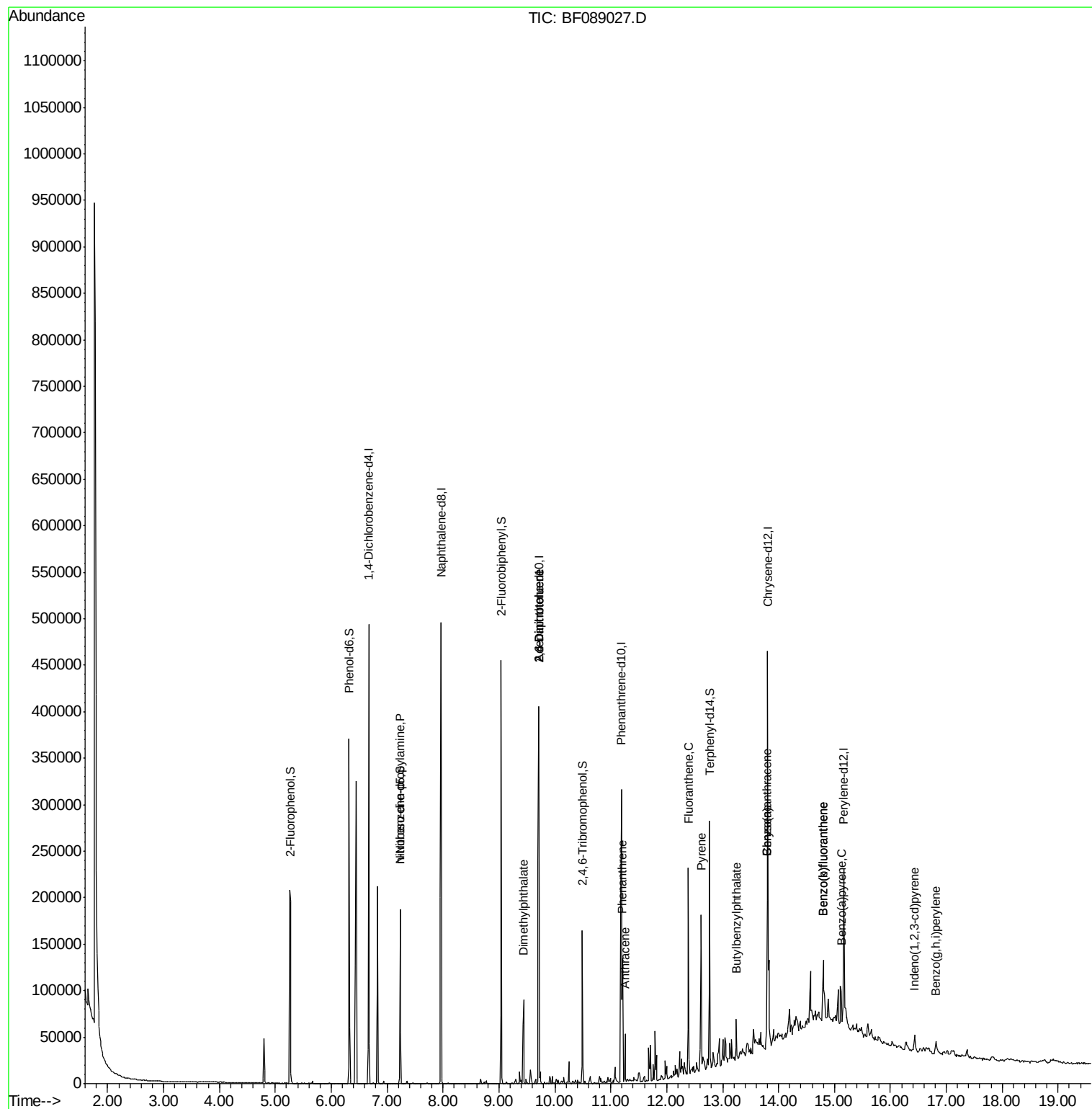
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	64331	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	241355	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	94794	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	145653	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	108564	20.00	ng	-0.05
86) Perylene-d12	15.17	264	76192	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	83335	19.41	ng	-0.02
7) Phenol-d6	6.32	99	111361	20.08	ng	-0.03
23) Nitrobenzene-d5	7.23	82	61336	13.32	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	14199	16.13	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	128993	21.49	ng	-0.03
78) Terphenyl-d14	12.77	244	76618	15.72	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	8426	2.26	ng	# 76
49) Dimethylphthalate	9.44	163	47928	7.10	ng	99
50) 2,6-Dinitrotoluene	9.71	165	12165	8.13	ng	# 37
56) 2,4-Dinitrotoluene	9.71	165	12165	6.22	ng	# 36
70) Phenanthrene	11.21	178	64717	8.13	ng	98
71) Anthracene	11.26	178	18797	2.37	ng	99
74) Fluoranthene	12.39	202	82098	10.17	ng	95
77) Pyrene	12.62	202	84784	9.21	ng	98
79) Butylbenzylphthalate	13.25	149	9269	2.26	ng	91
80) Benzo(a)anthracene	13.79	228	40213	5.75	ng	94
82) Chrysene	13.79	228	40213	5.81	ng	99
85) Indeno(1,2,3-cd)pyrene	16.43	276	11184	2.10	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	39911	8.35	ng	# 94
88) Benzo(k)fluoranthene	14.80	252	39911	9.59	ng	98
89) Benzo(a)pyrene	15.12	252	21866	5.40	ng	98
91) Benzo(g,h,i)perylene	16.81	276	11105	3.18	ng	98

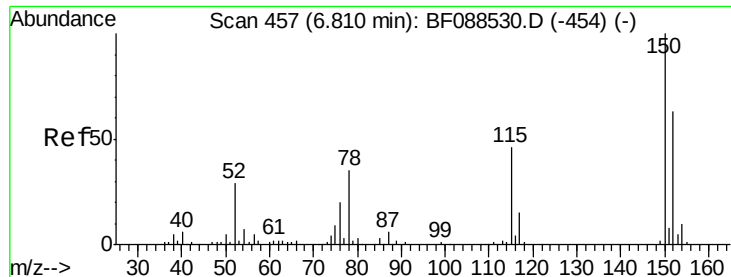
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

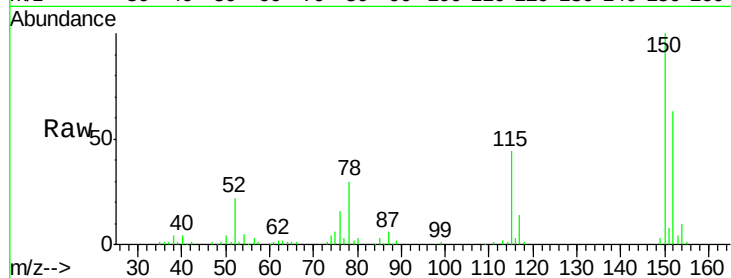
Tgt Ion:152 Resp: 64331

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

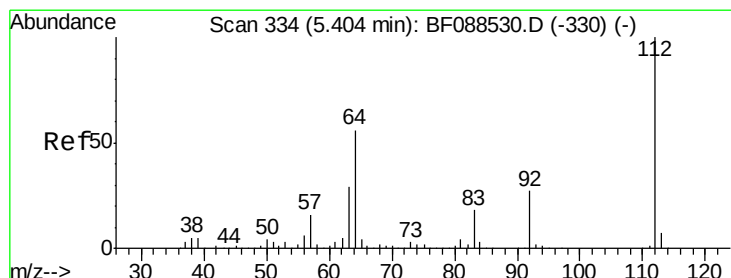
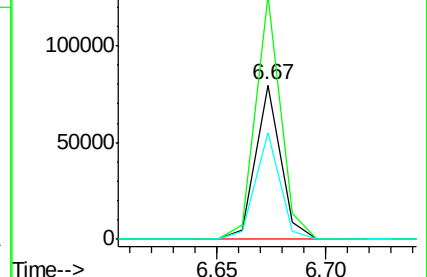
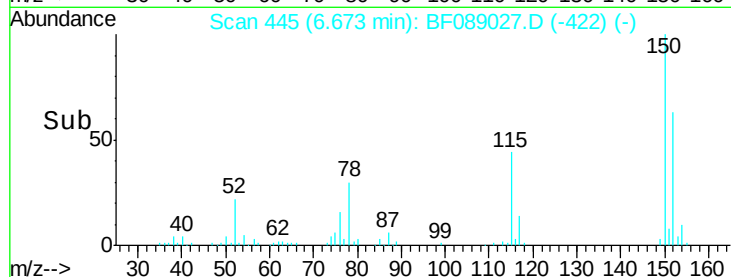
115 69.0 39.6 59.4#



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: 19.41 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

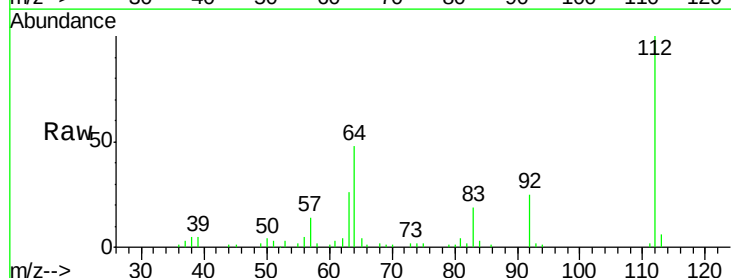
Tgt Ion:112 Resp: 83335

Ion Ratio Lower Upper

112 100

64 48.5 42.2 63.2

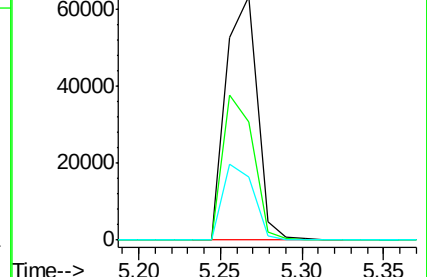
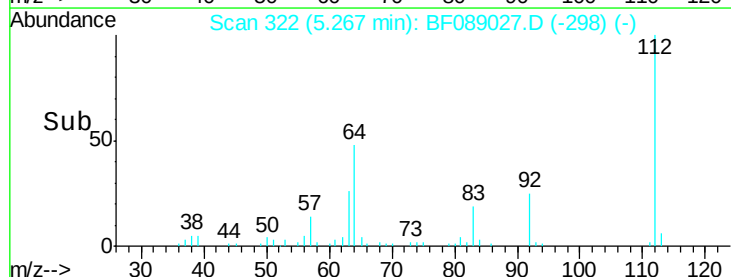
63 26.0 21.8 32.8

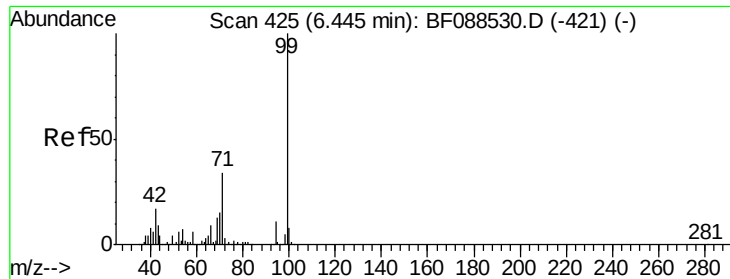


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.08 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

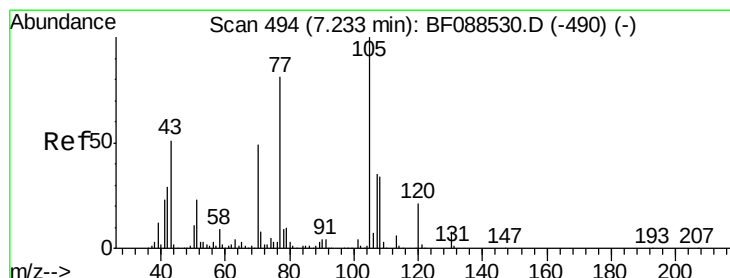
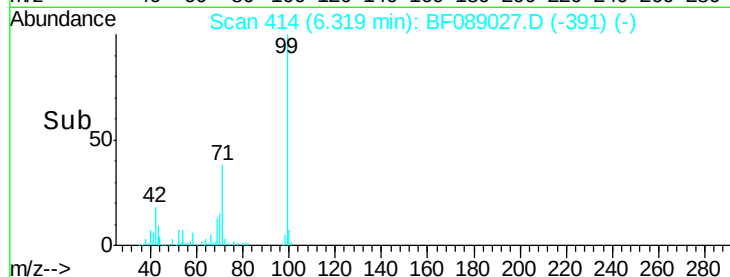
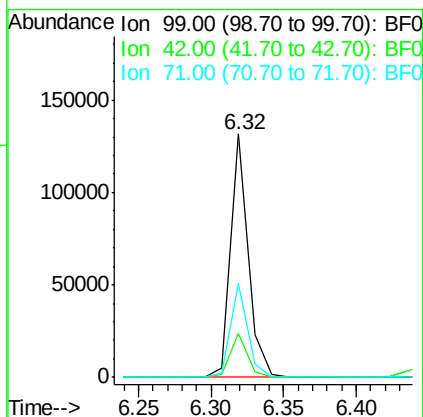
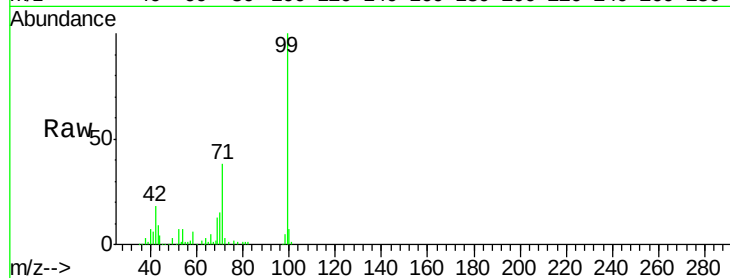
Tgt Ion: 99 Resp: 111361

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

71 38.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.26 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Tgt Ion: 70 Resp: 8426

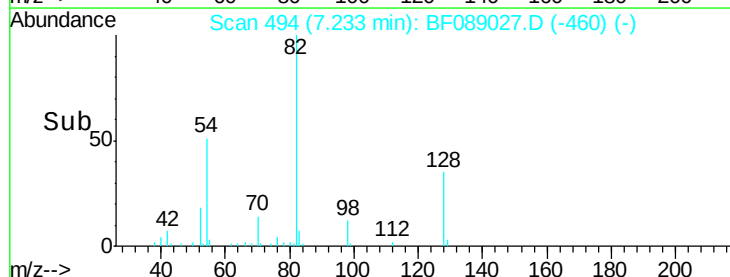
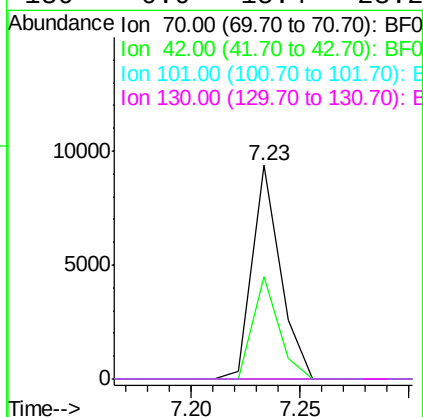
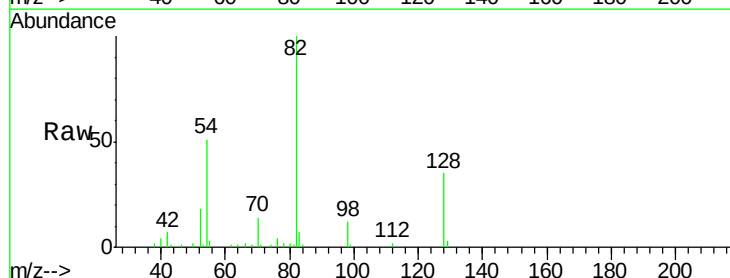
Ion Ratio Lower Upper

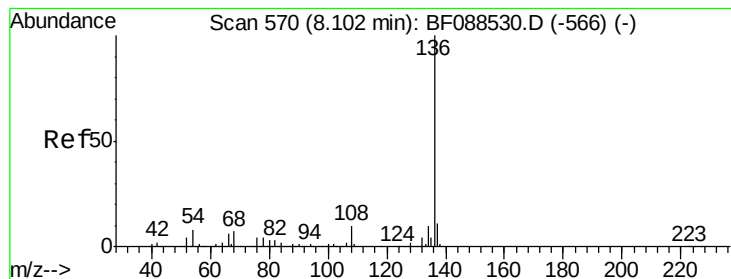
70 100

42 48.0 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

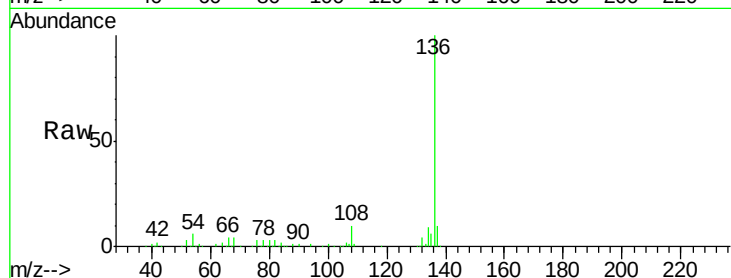
Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

Tgt Ion:	136	Resp:	241355
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	5.5	6.6	10.0#
68	4.3	5.1	7.7#

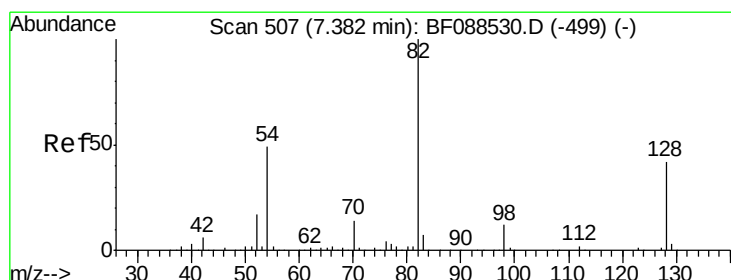
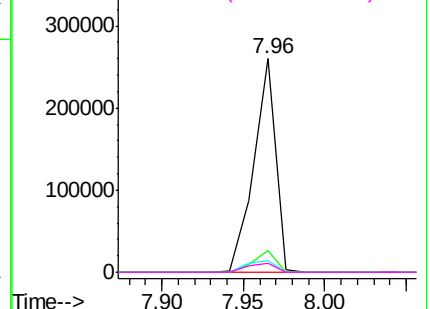
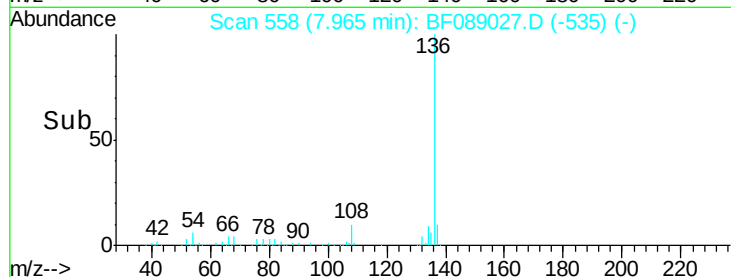


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.32 ng

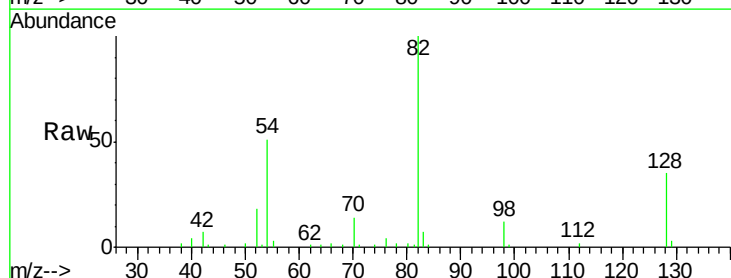
RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

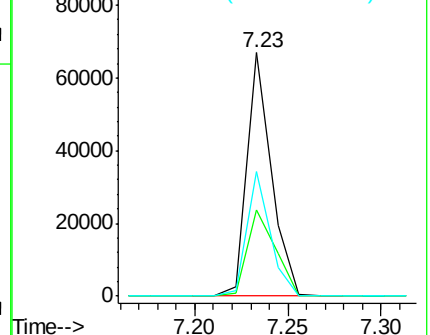
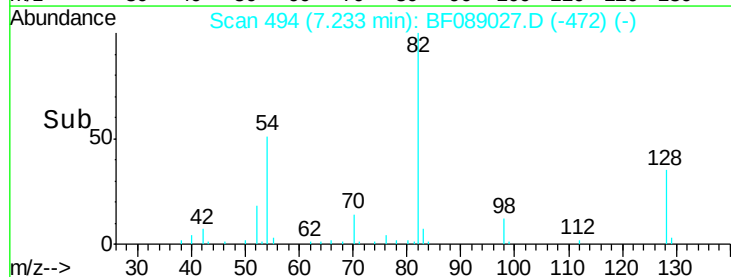
Tgt Ion:	82	Resp:	61336
Ion	Ratio	Lower	Upper
82	100		
128	35.4	35.9	53.9#
54	51.2	40.9	61.3

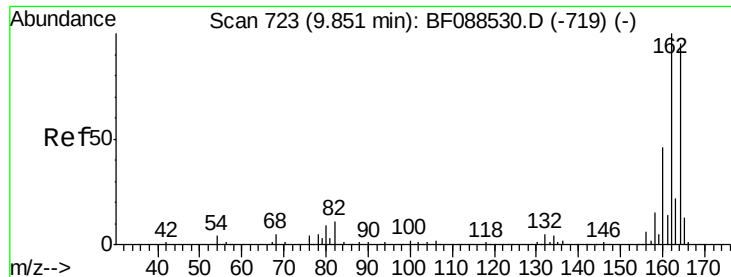


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

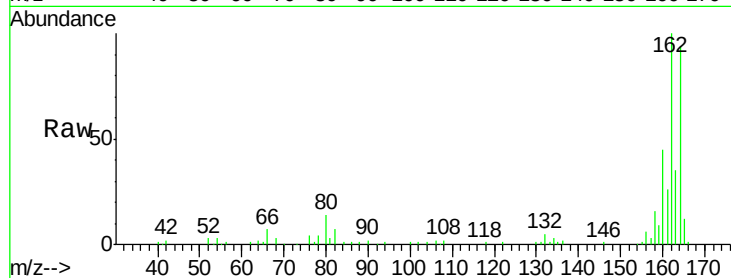
Tgt Ion:164 Resp: 94794

Ion Ratio Lower Upper

164 100

162 106.1 85.4 128.2

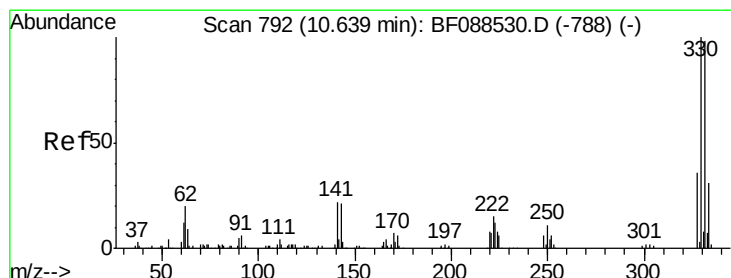
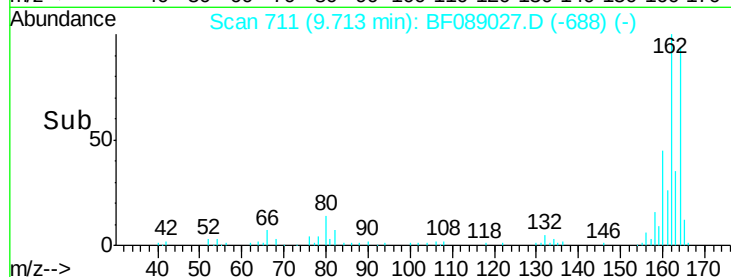
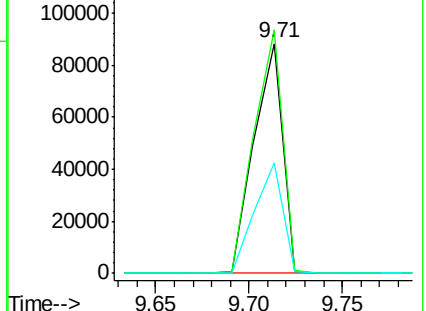
160 48.2 39.5 59.3



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: 16.13 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.05 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

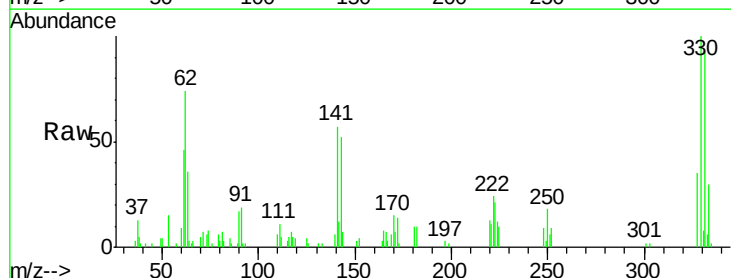
Tgt Ion:330 Resp: 14199

Ion Ratio Lower Upper

330 100

332 93.8 0.0 0.0#

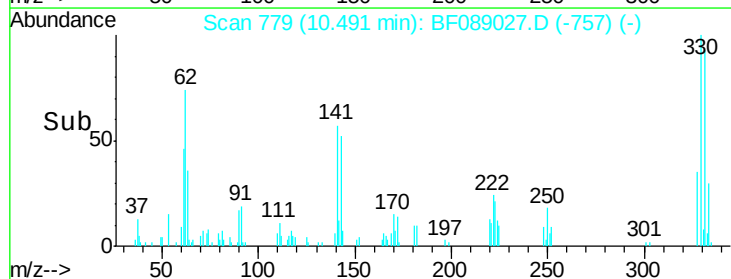
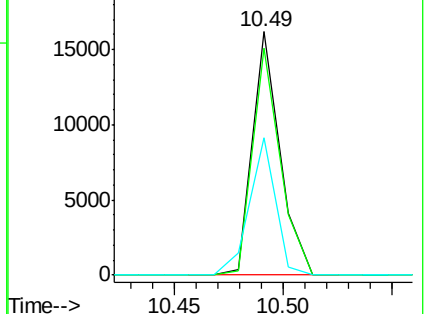
141 54.0 0.0 0.0#

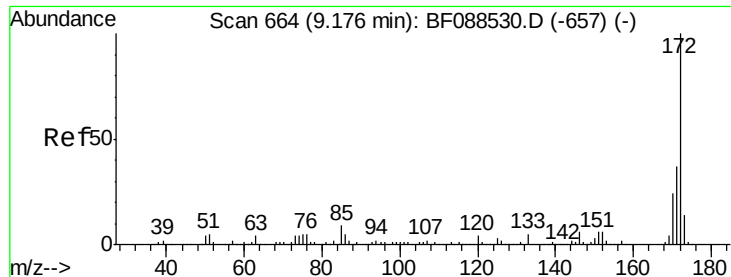


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

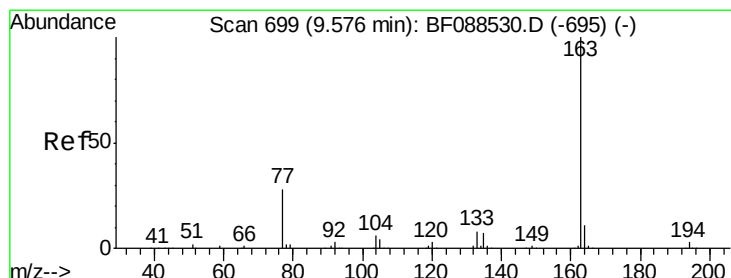
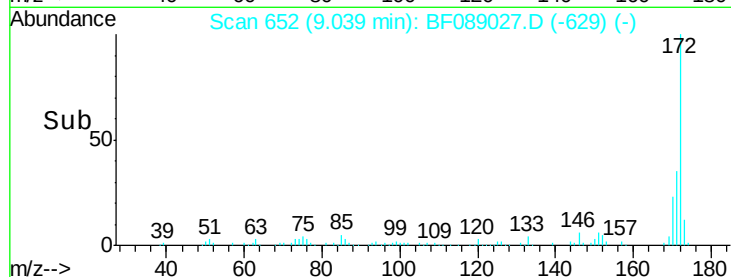
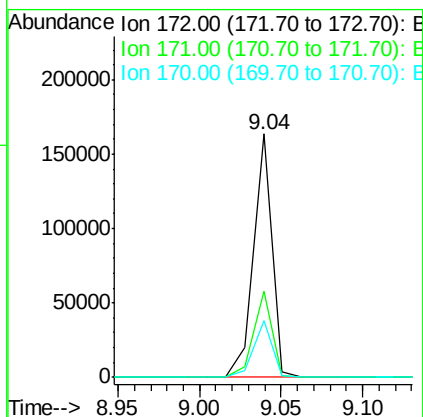
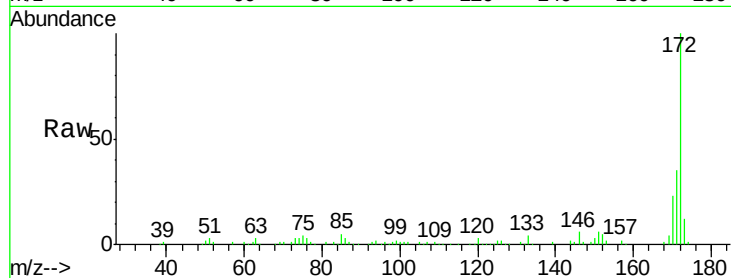




#44
2-Fluorobiphenyl
Concen: 21.49 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

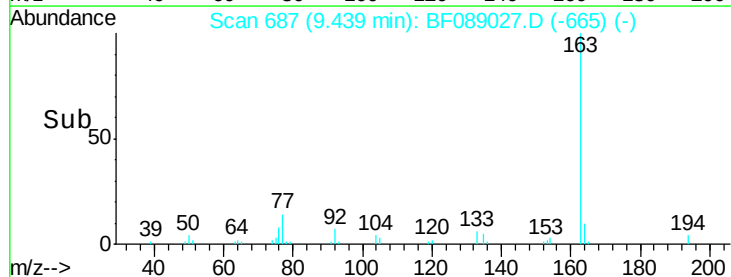
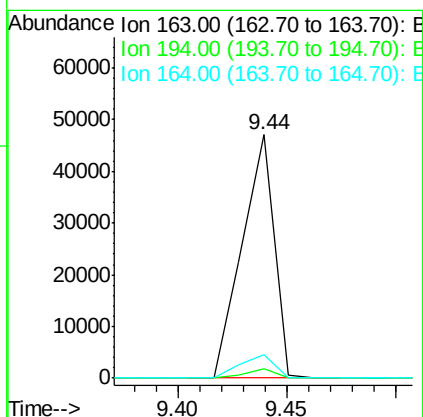
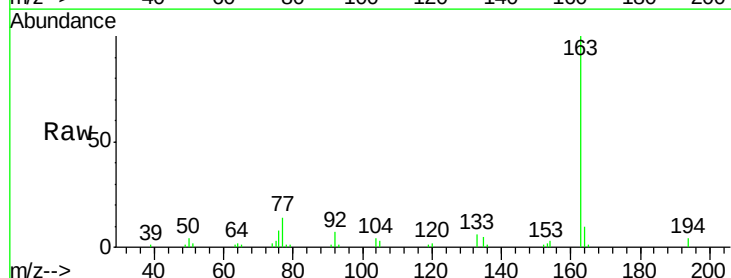
Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD01

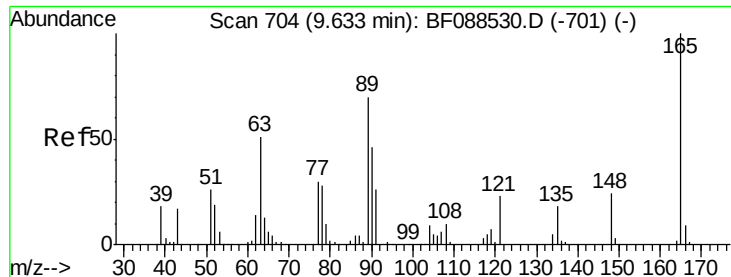
Tgt Ion:172 Resp: 128993
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.2 19.2 28.8



#49
Dimethylphthalate
Concen: 7.10 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:163 Resp: 47928
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.8 8.3 12.5

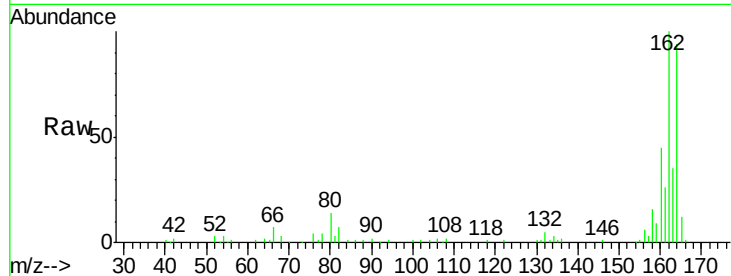




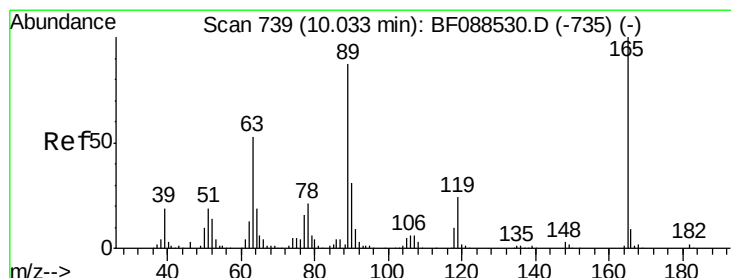
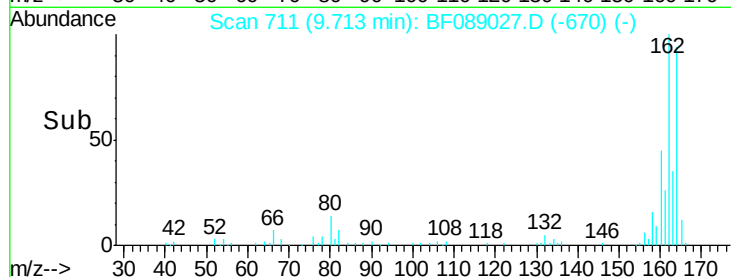
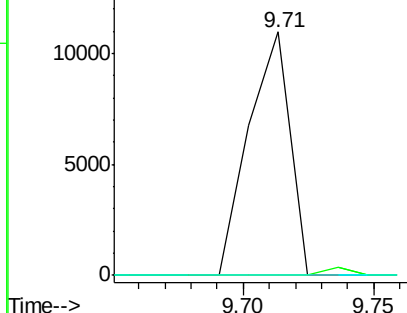
#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.71 min Scan# 711
 Delta R.T. 0.17 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



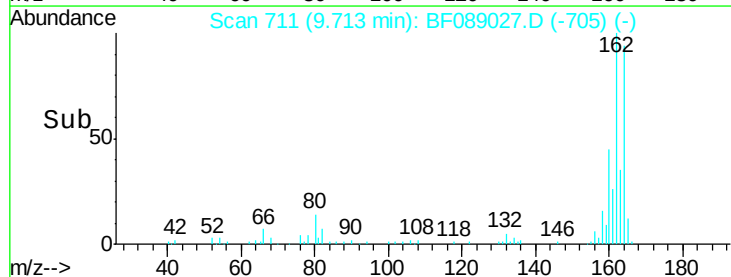
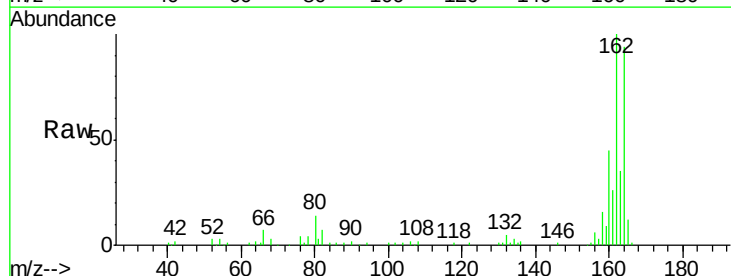
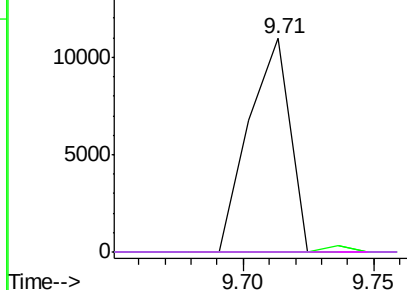
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

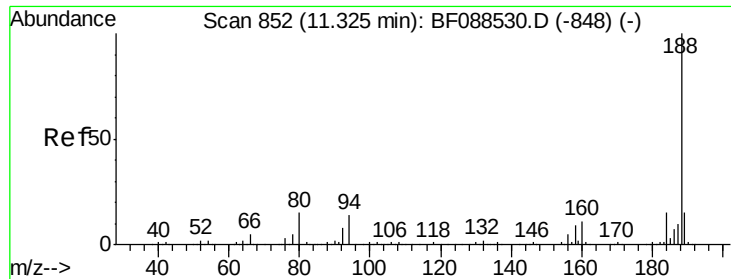


#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.23 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

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

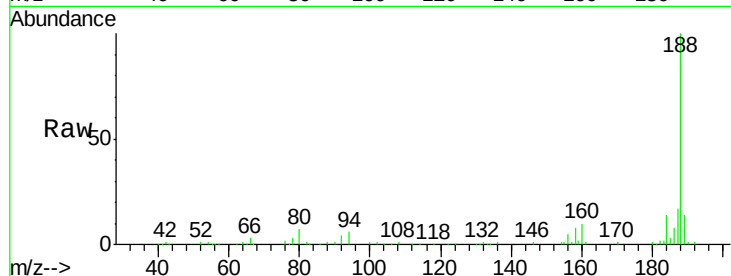




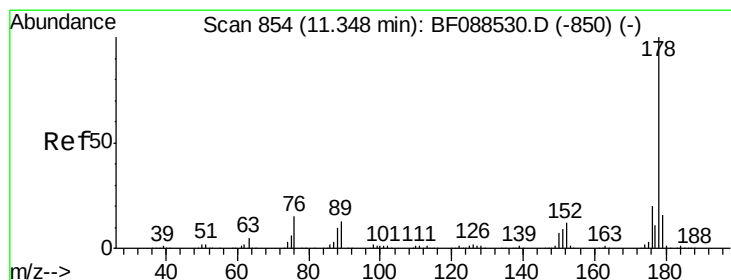
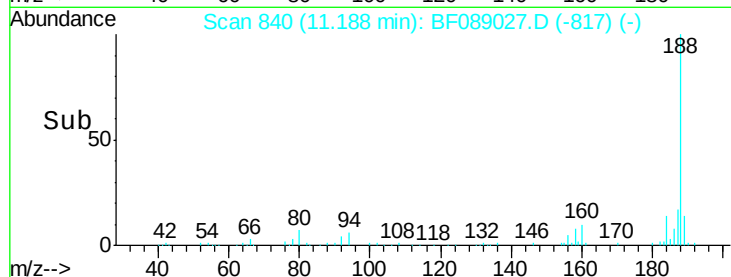
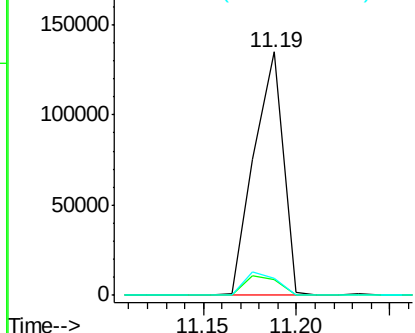
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Instrument :
BNA_F
ClientSampleId :
LSS-SB-XD01

Tgt Ion:188 Resp: 145653
Ion Ratio Lower Upper
188 100
94 6.2 9.0 13.6#
80 6.8 10.0 15.0#

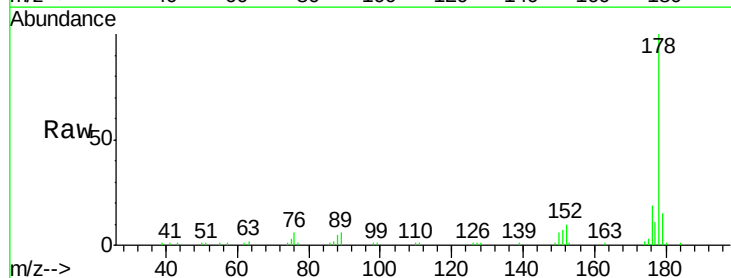


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

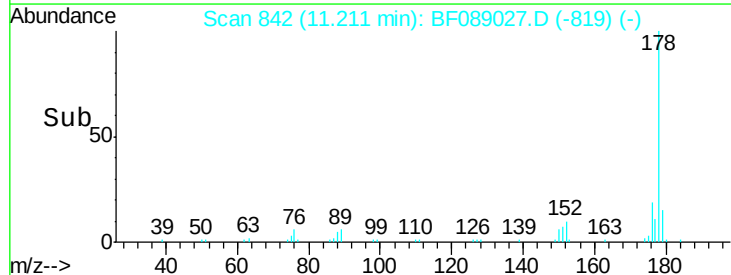
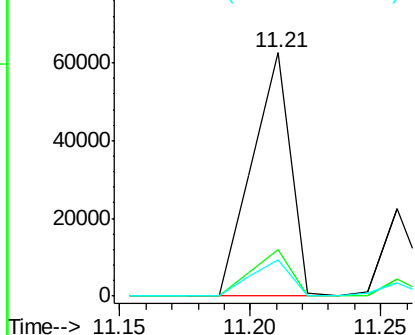


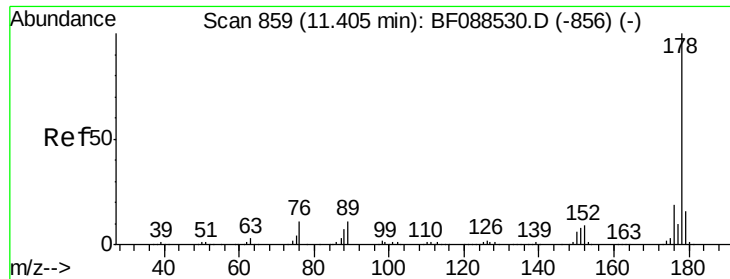
#70
Phenanthrene
Concen: 8.13 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089027.D
Acq: 15 Jul 2016 20:30

Tgt Ion:178 Resp: 64717
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 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

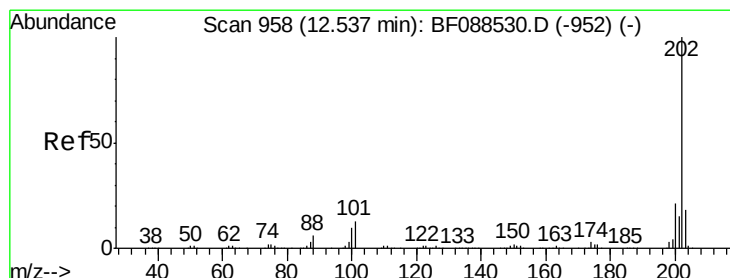
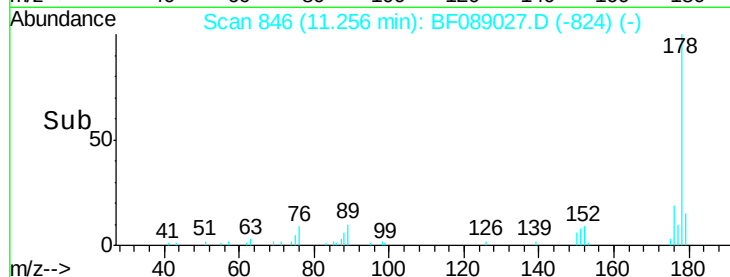
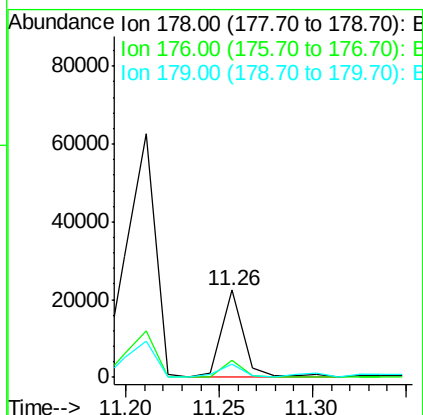
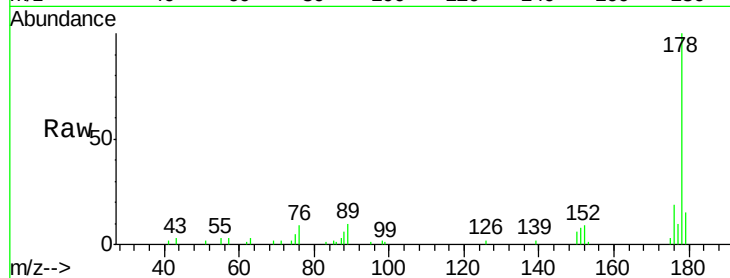




#71
 Anthracene
 Concen: 2.37 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

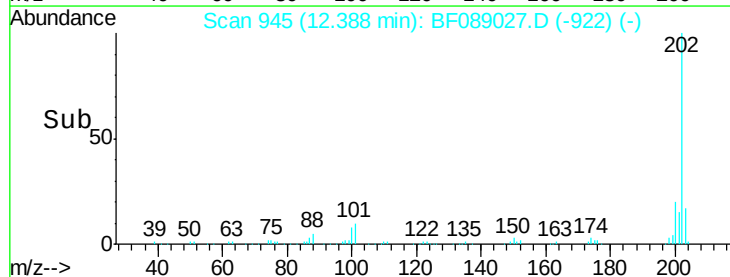
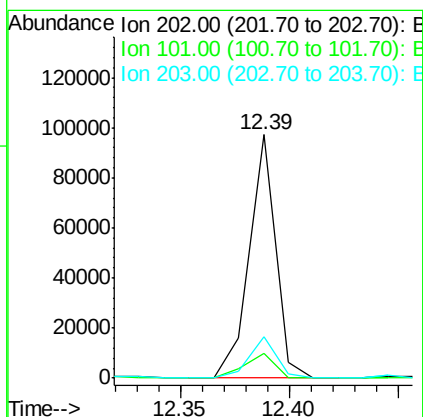
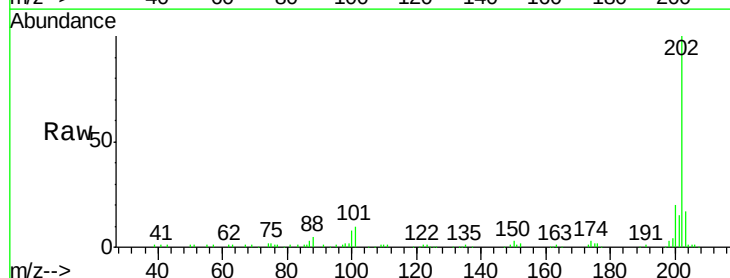
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-XD01

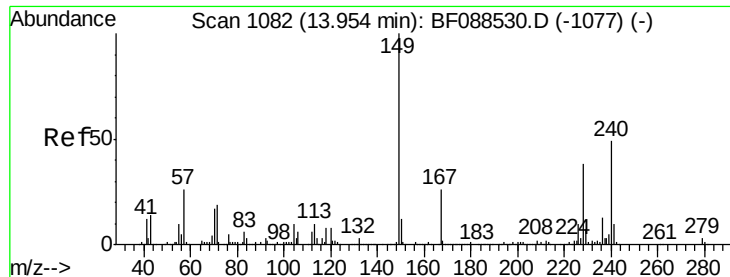
Tgt Ion:178 Resp: 18797
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 15.0 12.8 19.2



#74
 Fluoranthene
 Concen: 10.17 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089027.D
 Acq: 15 Jul 2016 20:30

Tgt Ion:202 Resp: 82098
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 33.1
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

Instrument :

BNA_F

ClientSampleId :

LSS-SB-XD01

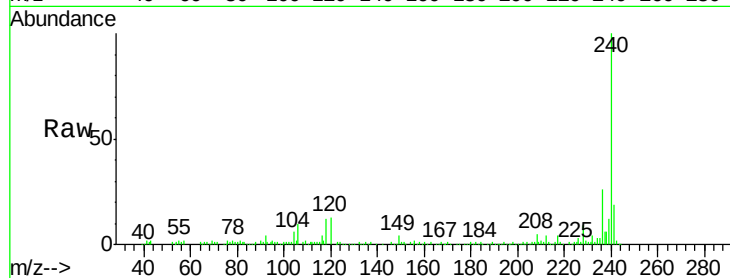
Tgt Ion:240 Resp: 108564

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

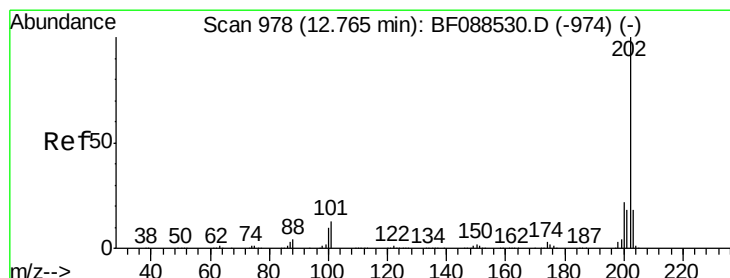
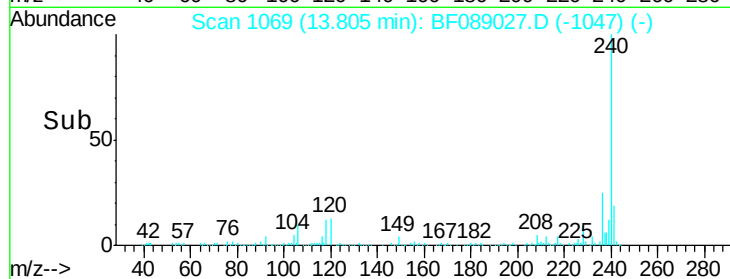
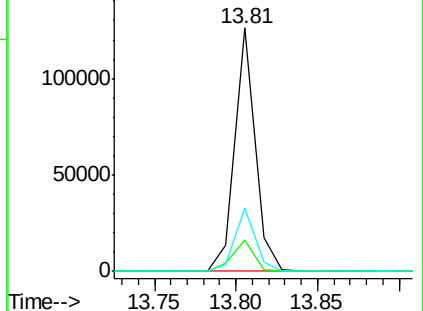
236 25.8 20.2 30.2



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: 9.21 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089027.D

Acq: 15 Jul 2016 20:30

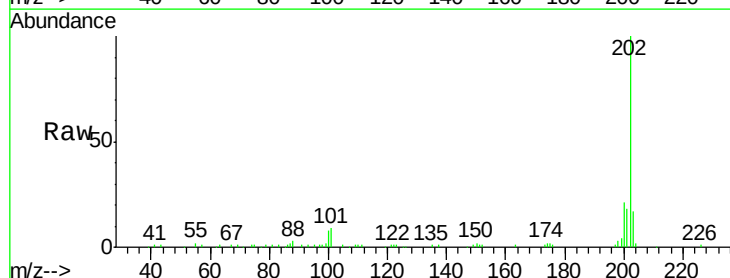
Tgt Ion:202 Resp: 84784

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 17.2 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

