

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089106.D
 Acq On : 19 Jul 2016 4:07
 Operator : UM/SJ
 Sample : H3972-14DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Quant Time: Jul 19 05:22:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

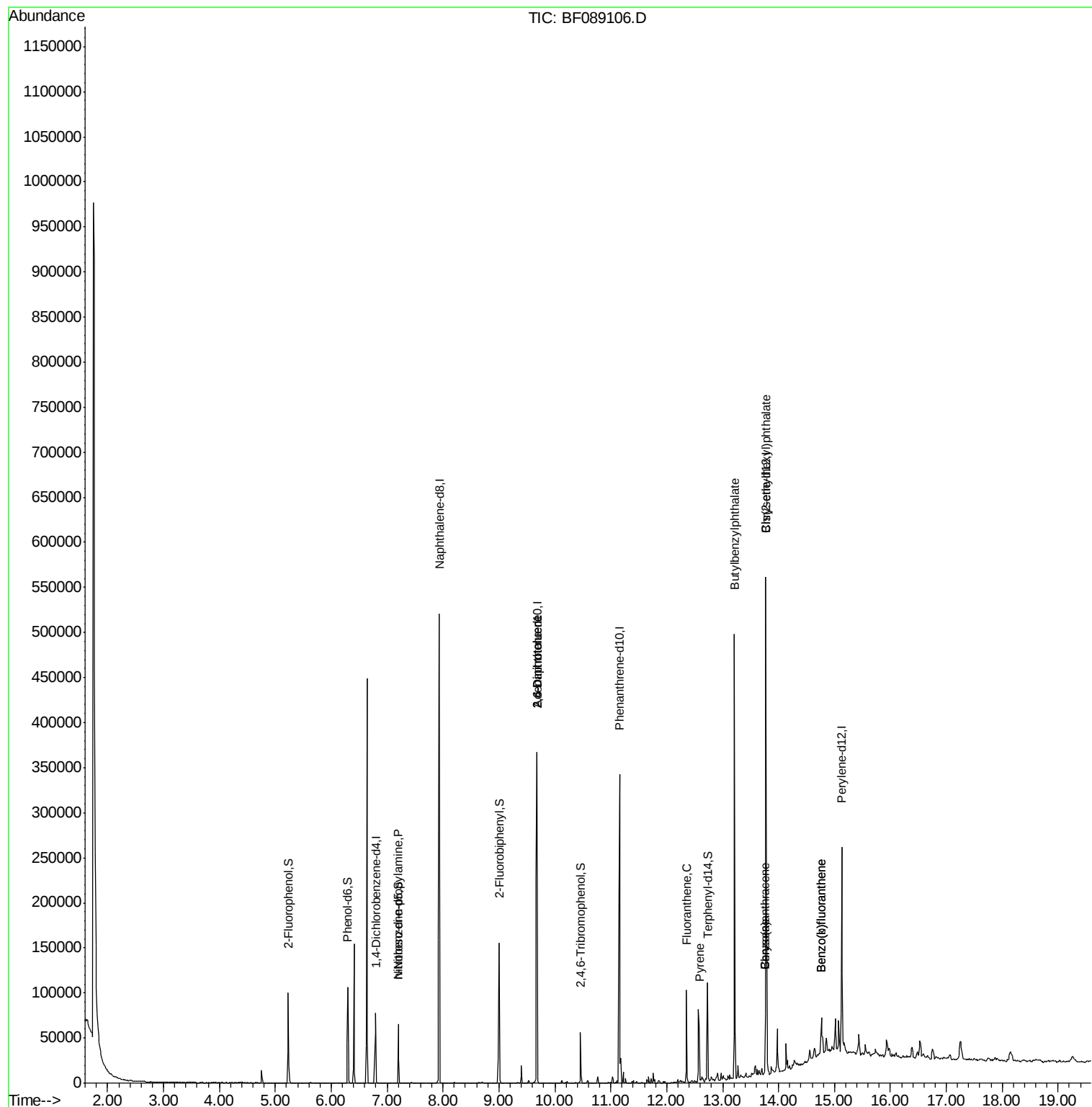
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	16573	20.00	ng	0.16
21) Naphthalene-d8	7.93	136	240247	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	88273	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	152453	20.00	ng	0.00
75) Chrysene-d12	13.77	240	114480	20.00	ng	0.00
86) Perylene-d12	15.13	264	85323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	32641	29.52	ng	0.01
7) Phenol-d6	6.30	99	43238	30.26	ng	0.00
23) Nitrobenzene-d5	7.20	82	24107	5.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	5370	6.55	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	48311	8.64	ng	0.00
78) Terphenyl-d14	12.73	244	31476	6.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	3376	3.52	ng	# 76
50) 2,6-Dinitrotoluene	9.68	165	10971	7.87	ng	# 37
56) 2,4-Dinitrotoluene	9.68	165	10971	6.02	ng	# 36
74) Fluoranthene	12.35	202	38388	4.54	ng	95
77) Pyrene	12.58	202	32942	3.39	ng	98
79) Butylbenzylphthalate	13.21	149	102043	23.57	ng	# 79
80) Benzo(a)anthracene	13.76	228	19156	2.60	ng	96
82) Chrysene	13.76	228	19156	2.63	ng	100
83) Bis(2-ethylhexyl)phthalate	13.77	149	56749	11.48	ng	# 96
87) Benzo(b)fluoranthene	14.77	252	23979	4.48	ng	# 94
88) Benzo(k)fluoranthene	14.77	252	23979	5.15	ng	99

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

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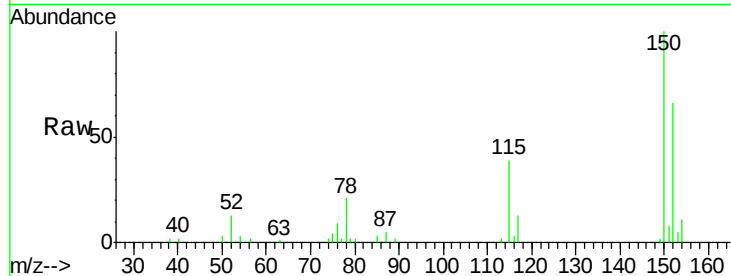


#1

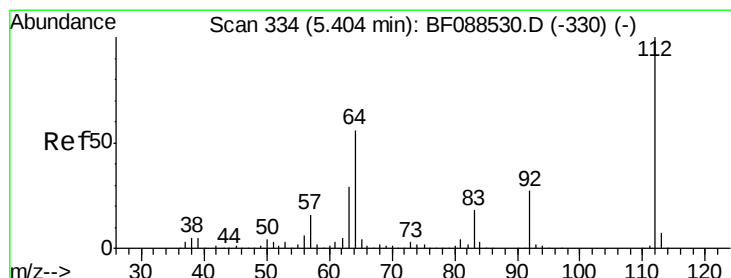
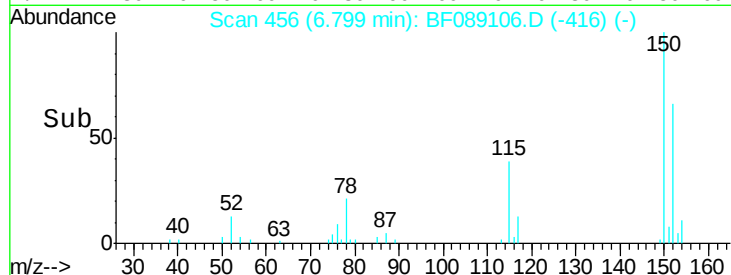
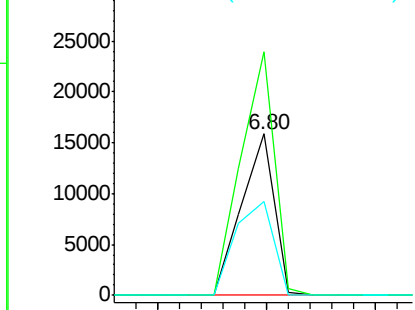
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.16 min
Lab File: BF089106.D
Acq: 19 Jul 2016 4:07

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)DL

Tgt Ion:152 Resp: 16573
Ion Ratio Lower Upper
152 100
150 151.0 123.8 185.6
115 58.3 39.6 59.4



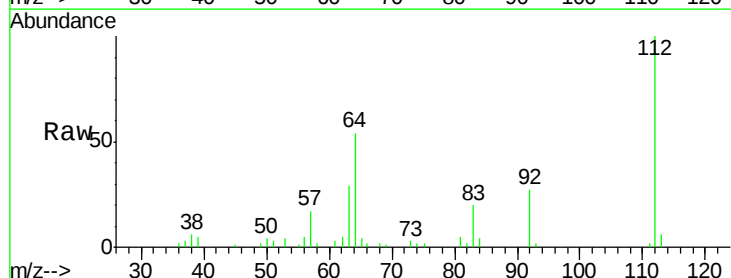
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



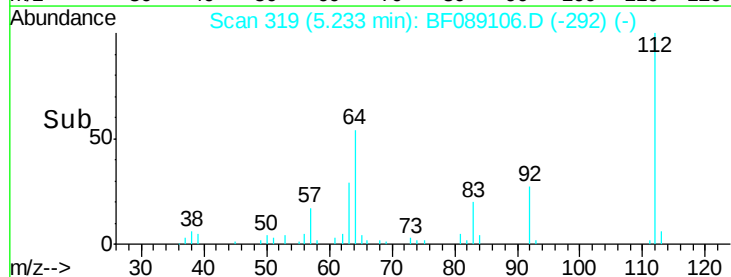
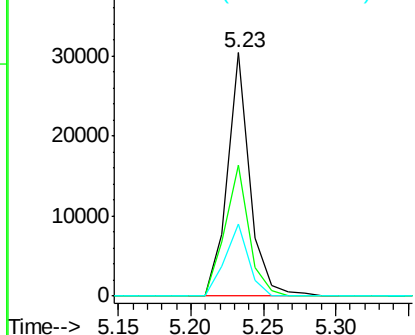
#5

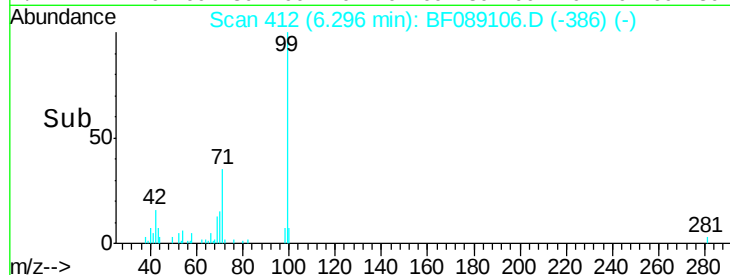
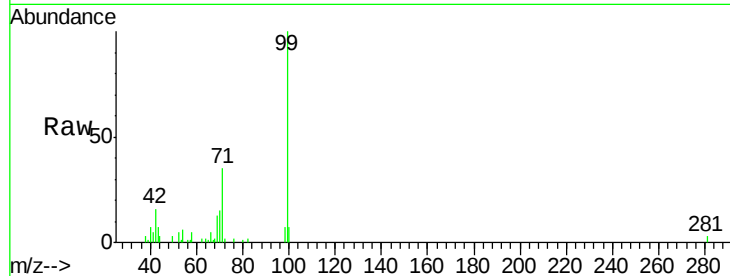
2-Fluorophenol
Concen: 29.52 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF089106.D
Acq: 19 Jul 2016 4:07

Tgt Ion:112 Resp: 32641
Ion Ratio Lower Upper
112 100
64 53.9 42.2 63.2
63 29.5 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: 30.26 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

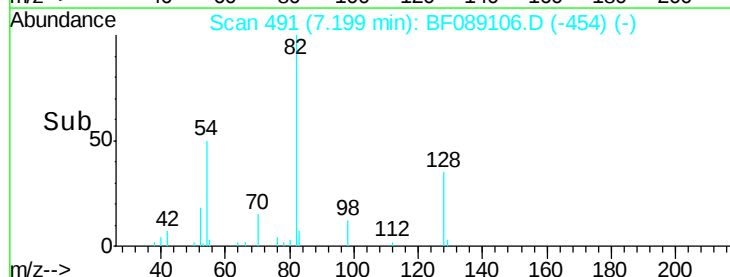
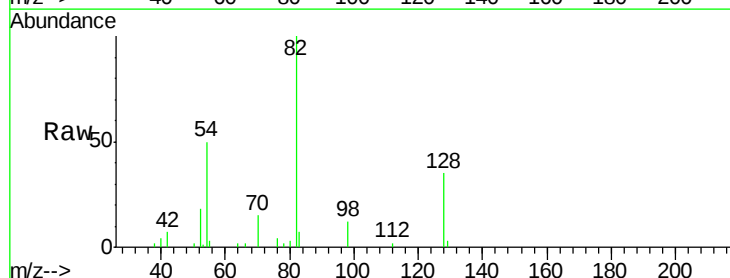
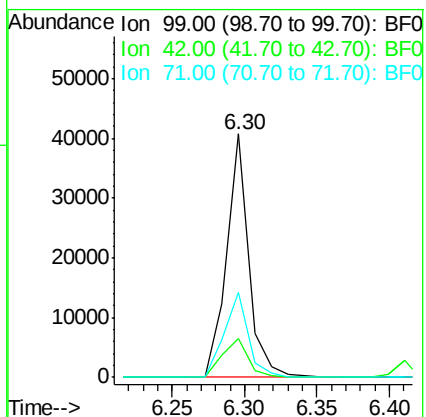
Tgt Ion: 99 Resp: 43238

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

71 34.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.52 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

Tgt Ion: 70 Resp: 3376

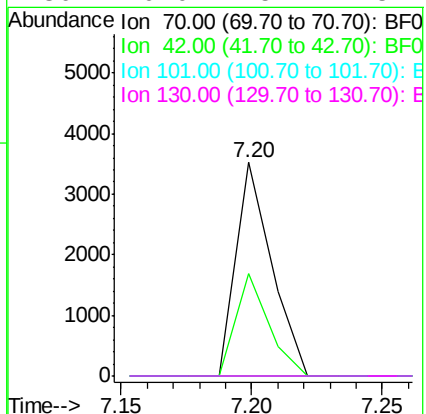
Ion Ratio Lower Upper

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: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

Tgt Ion: 136 Resp: 240247

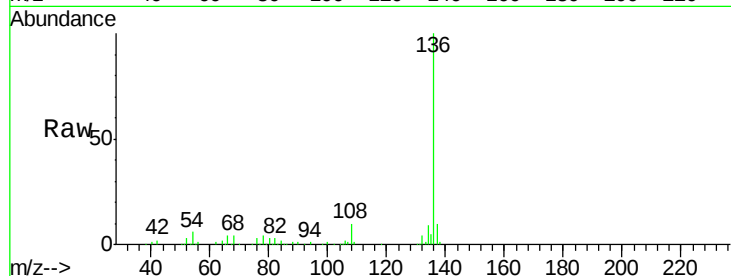
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.8 6.6 10.0#

68 4.5 5.1 7.7#

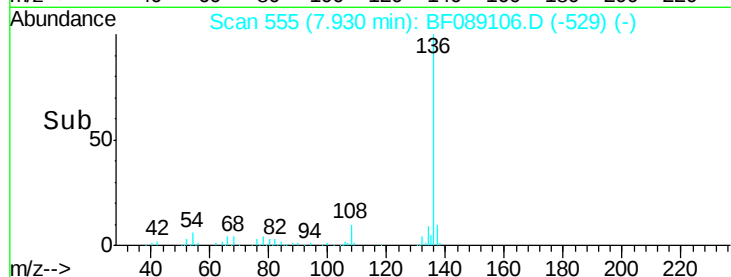


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

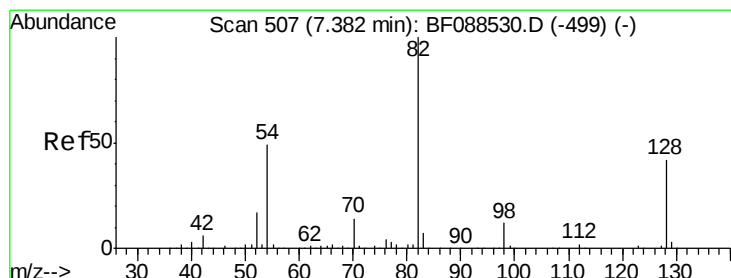
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.85 7.90 7.95 8.00



#23

Nitrobenzene-d5

Concen: 5.26 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

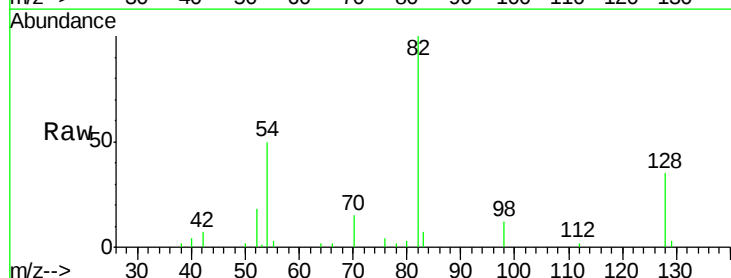
Tgt Ion: 82 Resp: 24107

Ion Ratio Lower Upper

82 100

128 35.0 35.9 53.9#

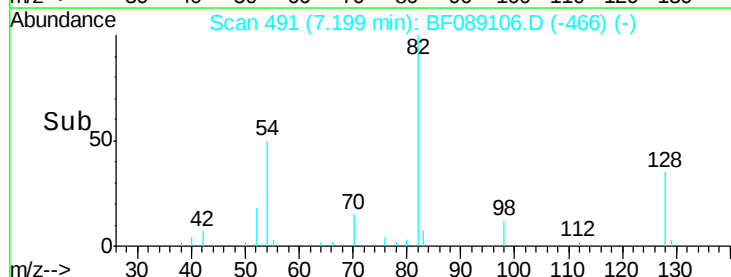
54 50.3 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

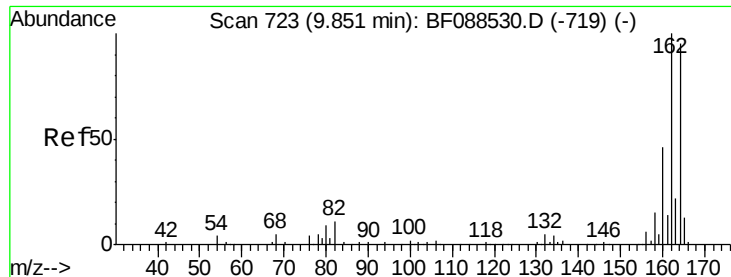
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

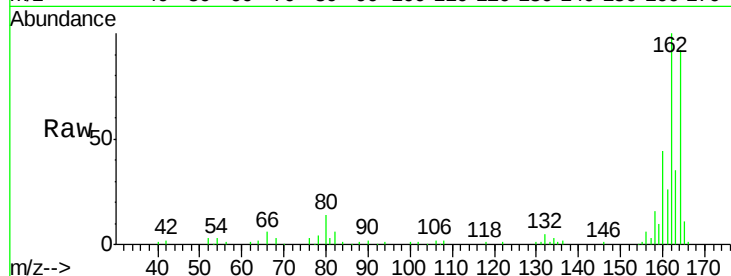
7.15 7.20 7.25



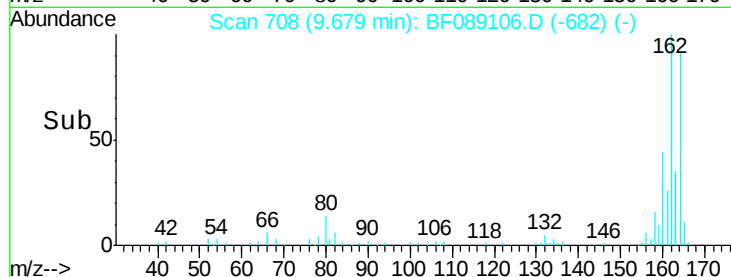
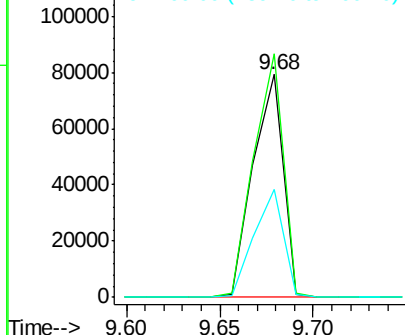
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Tgt Ion:164 Resp: 88273
 Ion Ratio Lower Upper
 164 100
 162 109.1 85.4 128.2
 160 48.2 39.5 59.3

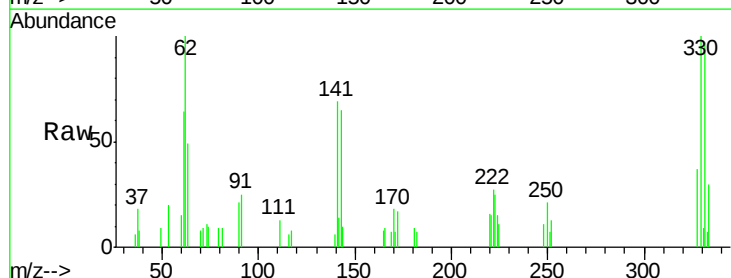


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

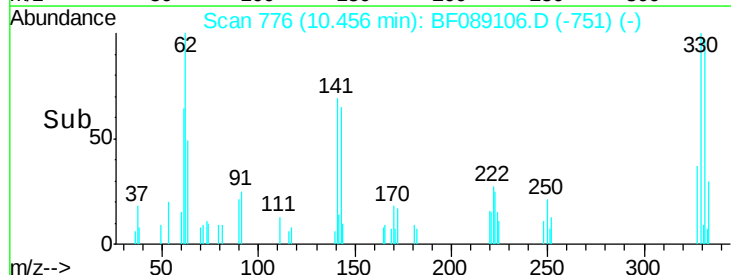
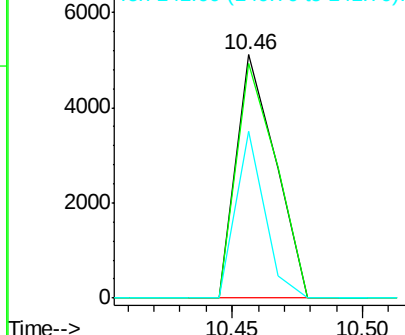


#41
 2,4,6-Tribromophenol
 Concen: 6.55 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Tgt Ion:330 Resp: 5370
 Ion Ratio Lower Upper
 330 100
 332 98.0 0.0 0.0#
 141 50.8 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

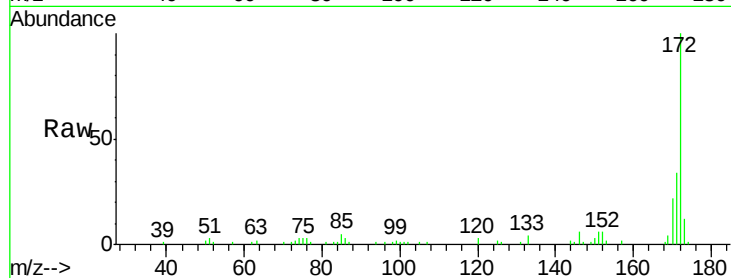




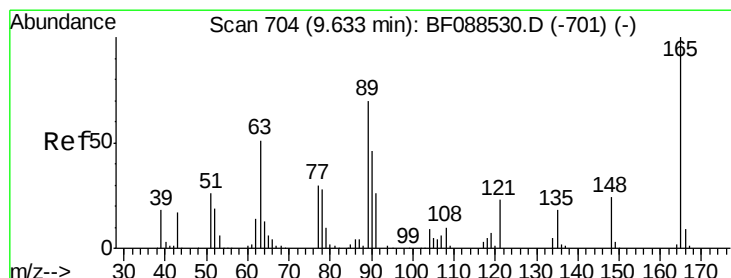
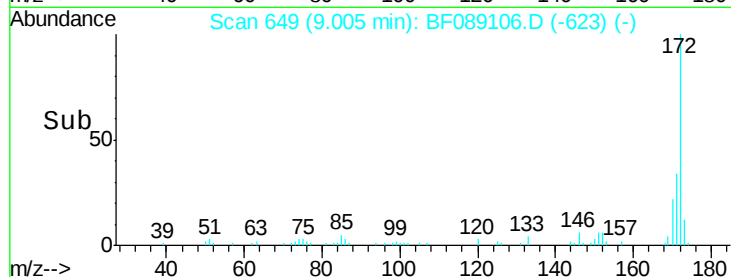
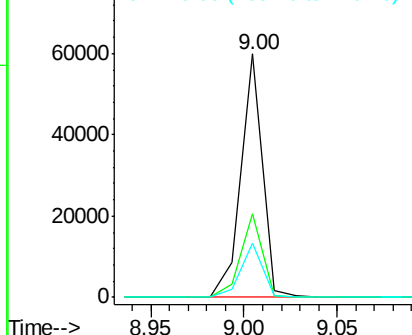
#44
 2-Fluorobiphenyl
 Concen: 8.64 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Instrument :
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 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Tgt Ion:172 Resp: 48311
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 43.0
 170 22.4 19.2 28.8

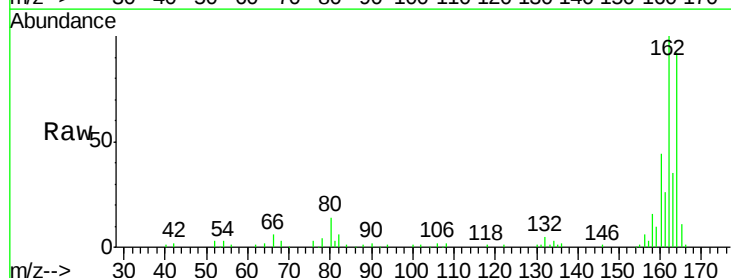


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

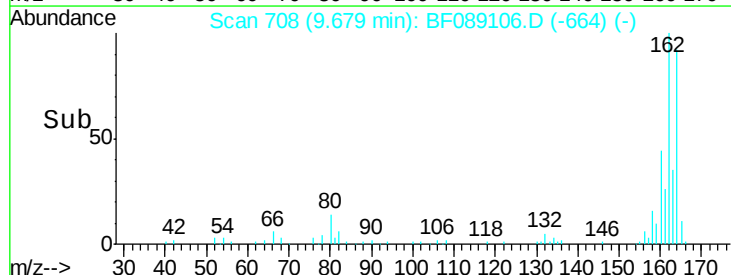
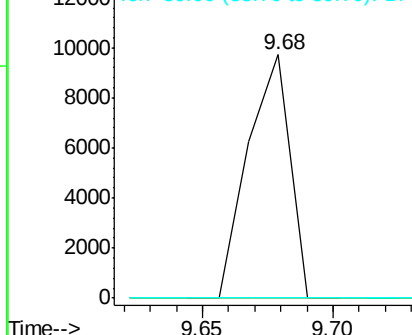


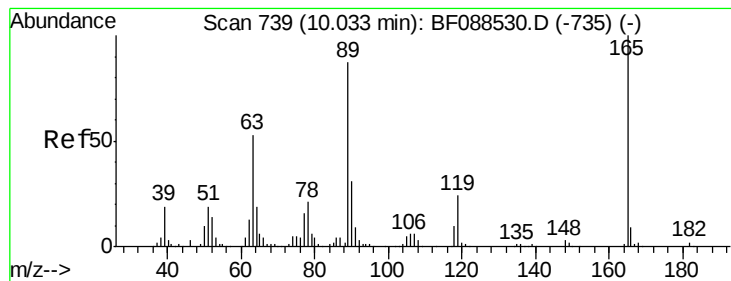
#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.21 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Tgt Ion:165 Resp: 10971
 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

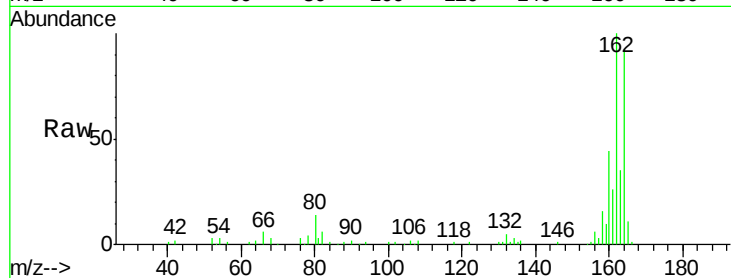




#56
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.19 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

Tgt Ion:	165	Resp:	10971
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#

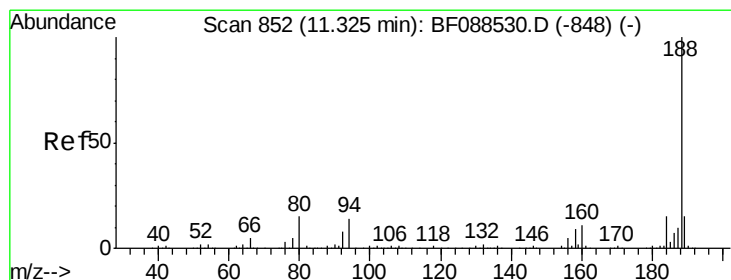
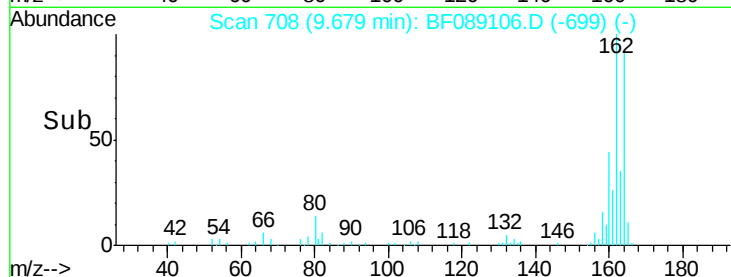
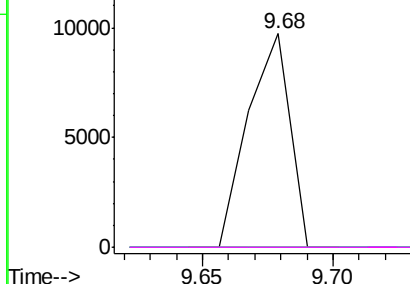


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

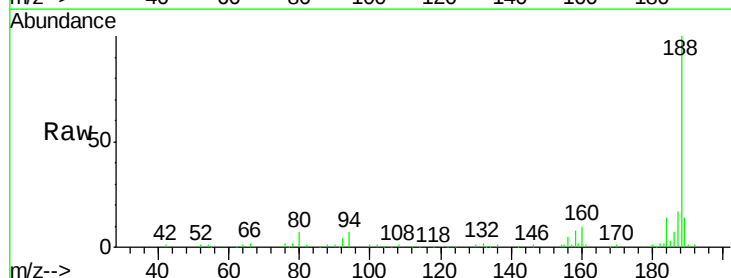
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

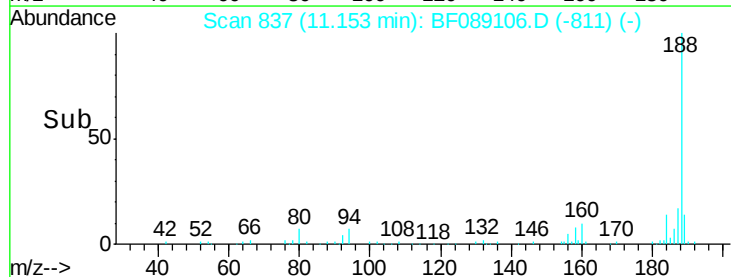
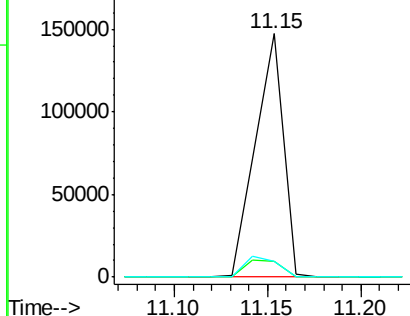
Tgt Ion:	188	Resp:	152453
Ion	Ratio	Lower	Upper
188	100		
94	6.6	9.0	13.6#
80	6.7	10.0	15.0#

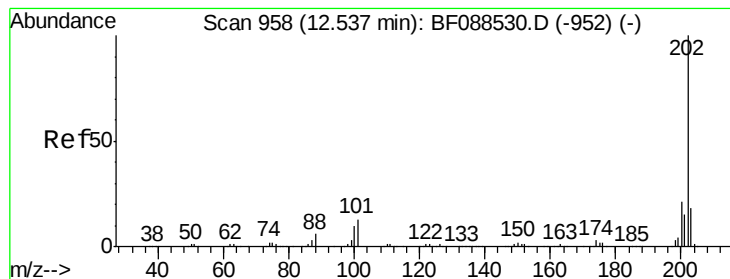


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.54 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089106.D

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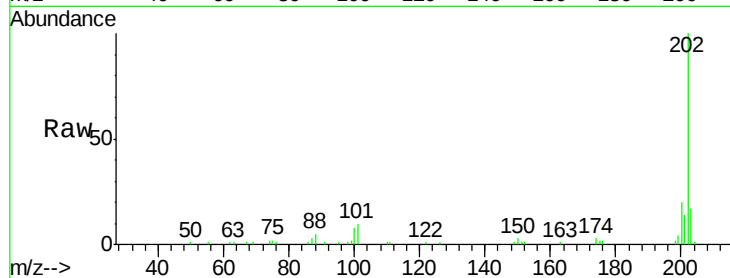
Tgt Ion:202 Resp: 38388

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.1

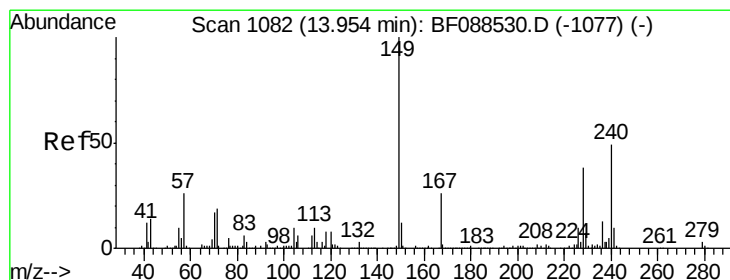
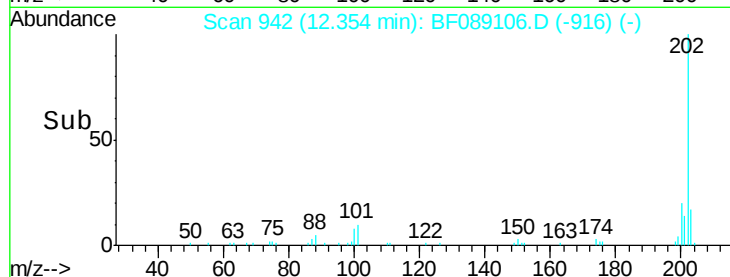
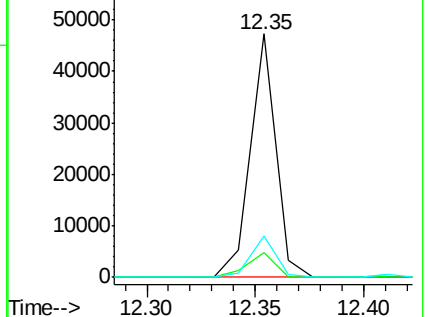
203 16.9 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

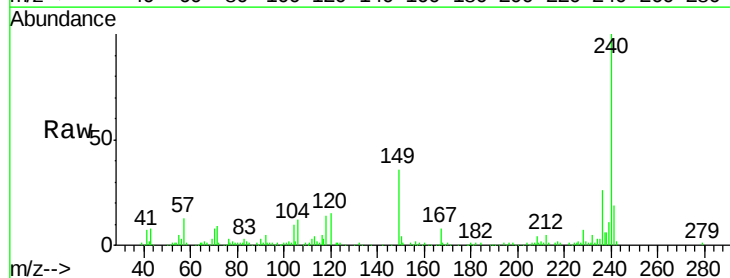
Tgt Ion:240 Resp: 114480

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

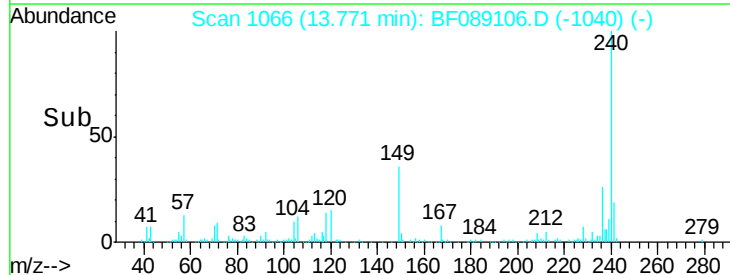
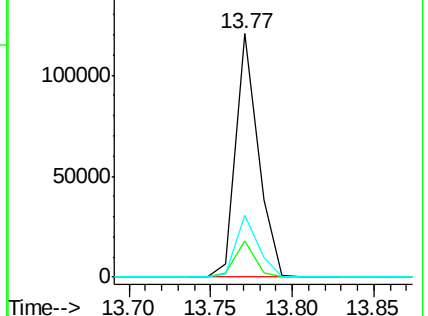
236 25.5 20.2 30.2

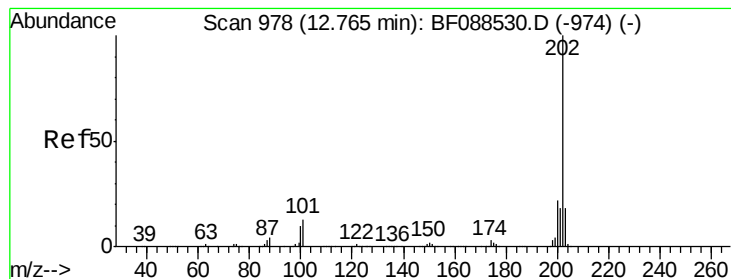


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.39 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089106.D

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LSS-SS-SS04(0-2in)DL

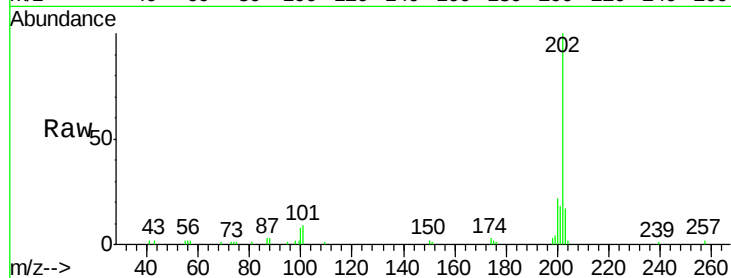
Tgt Ion:202 Resp: 32942

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

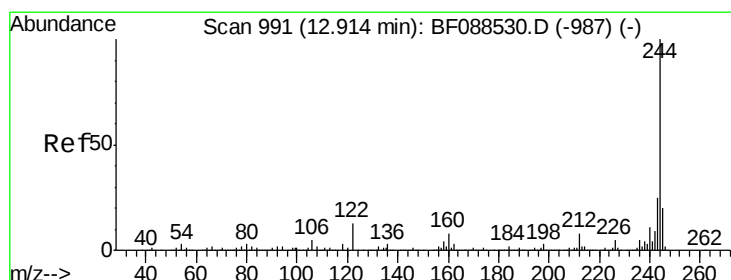
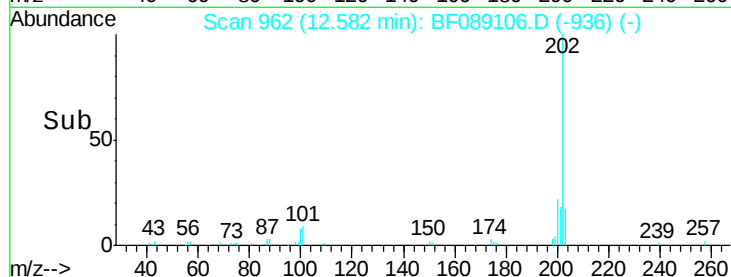
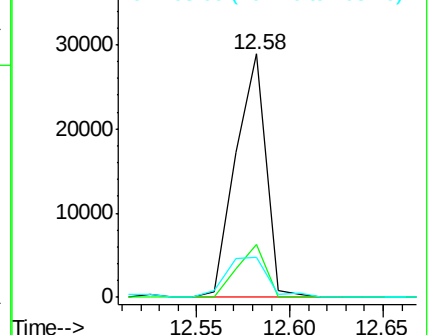
203 16.6 14.5 21.7



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: 6.12 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

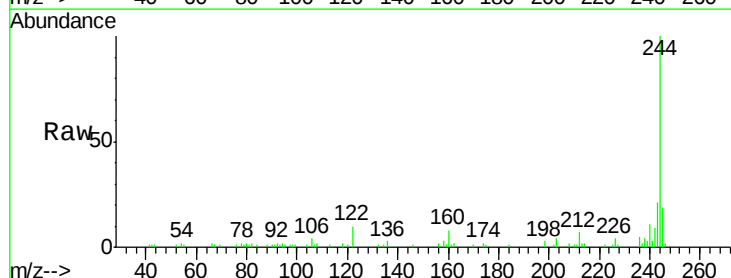
Tgt Ion:244 Resp: 31476

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

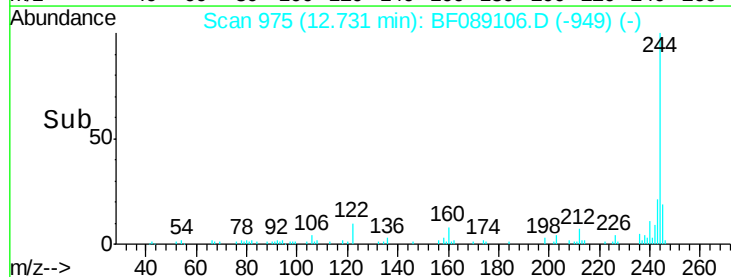
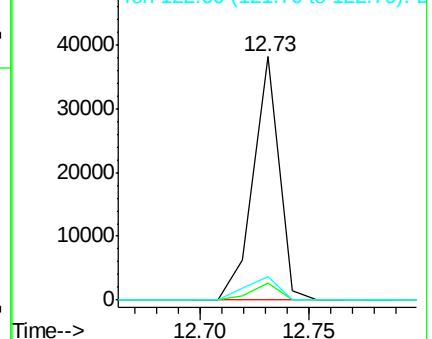
122 9.6 11.2 16.8#

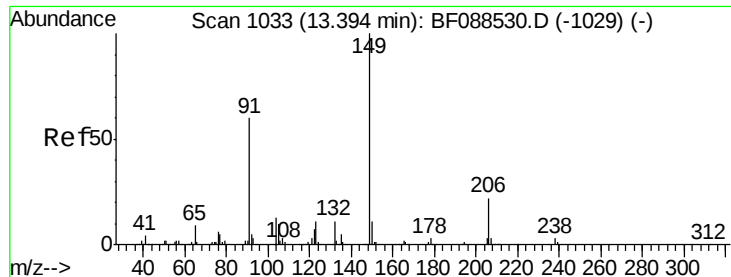


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

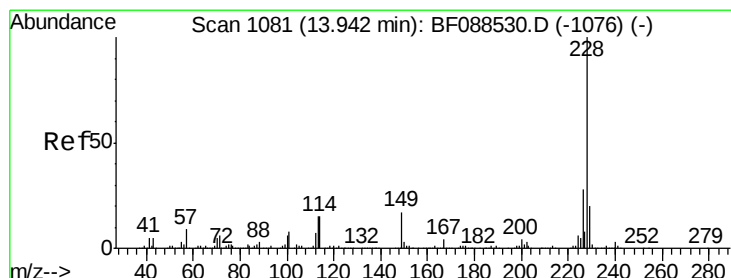
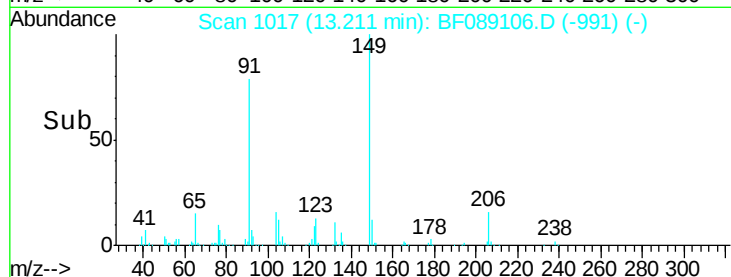
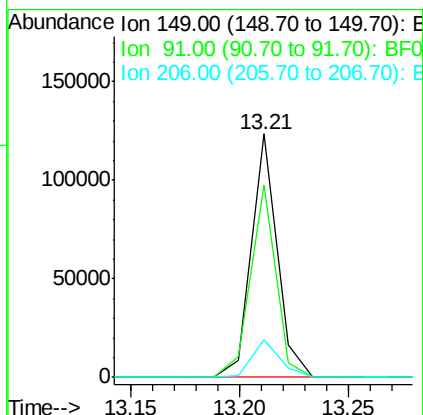
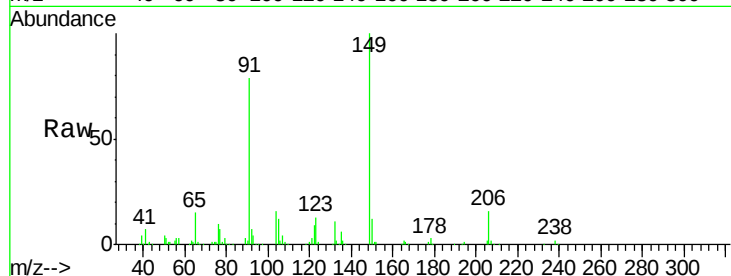




#79
Butylbenzylphthalate
Concen: 23.57 ng
RT: 13.21 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF089106.D
Acq: 19 Jul 2016 4:07

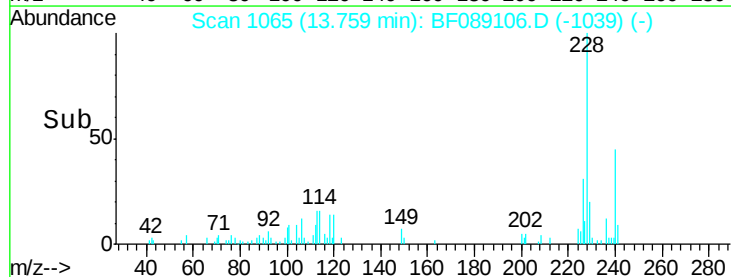
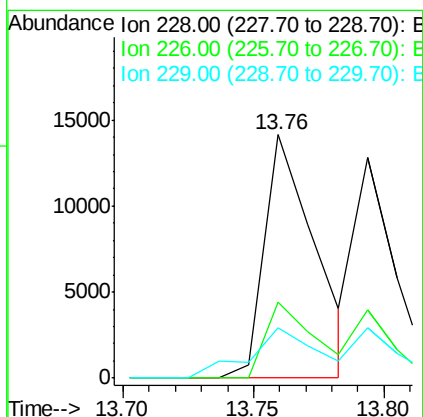
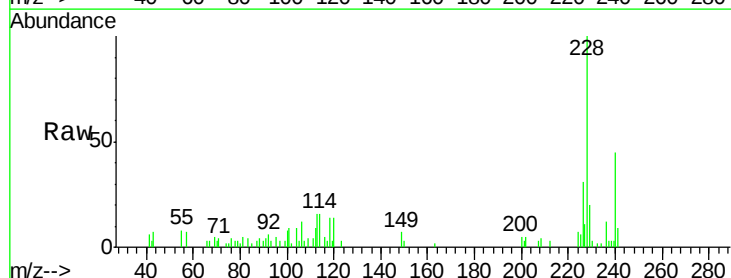
Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)DL

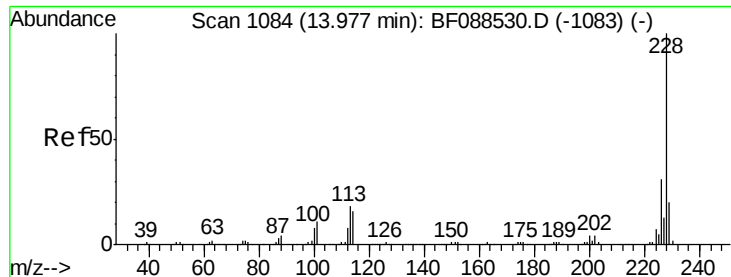
Tgt Ion:149 Resp: 102043
Ion Ratio Lower Upper
149 100
91 78.8 48.0 72.0#
206 15.6 16.0 24.0#



#80
Benzo(a)anthracene
Concen: 2.60 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF089106.D
Acq: 19 Jul 2016 4:07

Tgt Ion:228 Resp: 19156
Ion Ratio Lower Upper
228 100
226 31.4 22.3 33.5
229 20.5 16.0 24.0

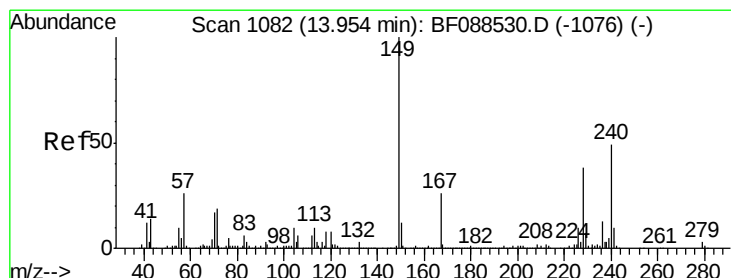
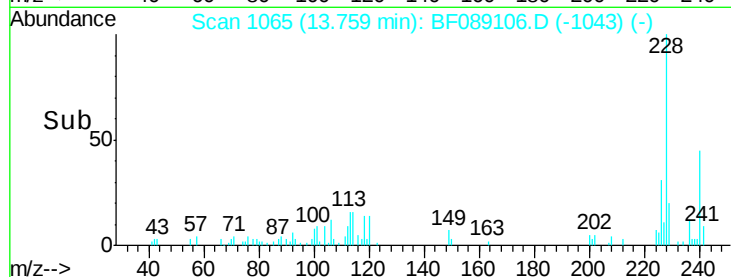
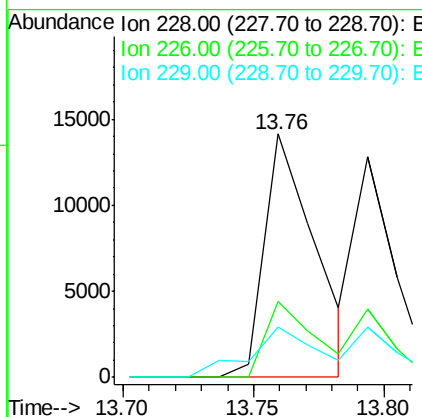
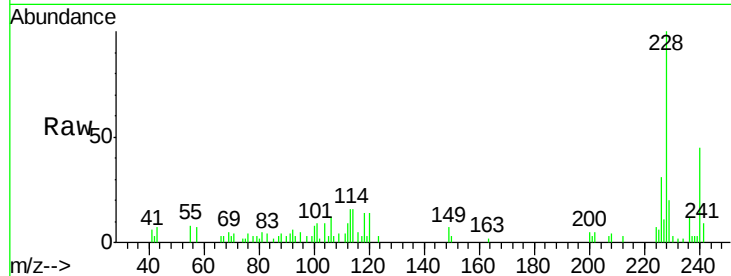




#82
Chrysene
 Concen: 2.63 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.05 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

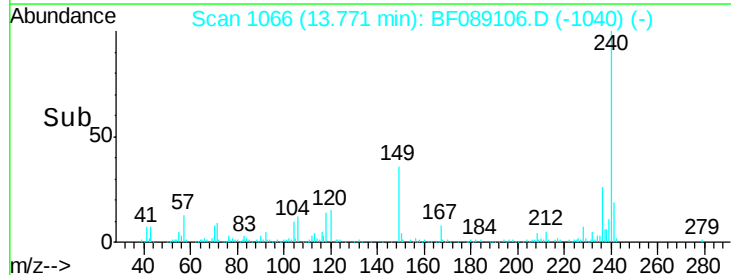
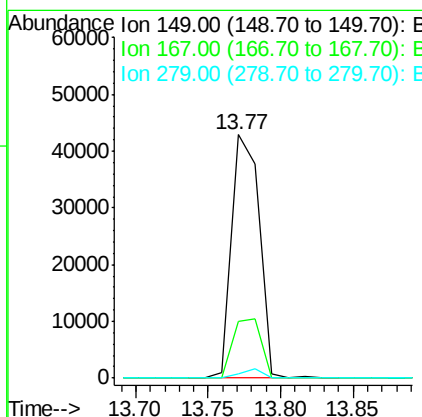
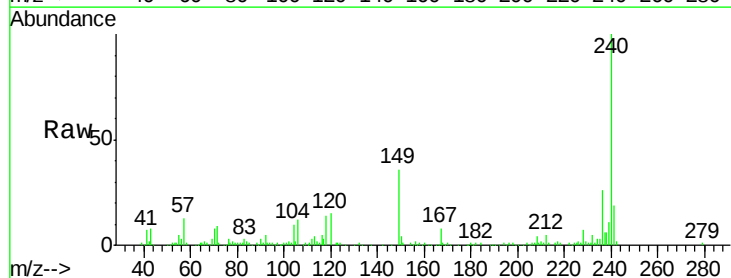
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)DL

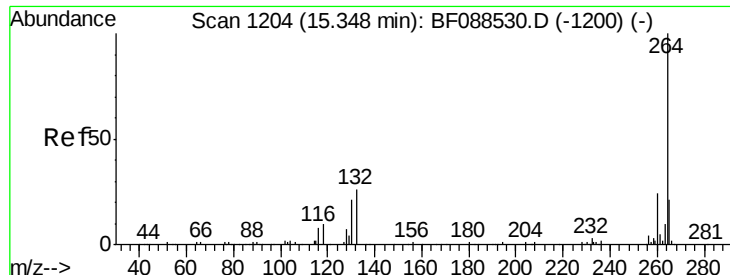
Tgt Ion: 228 Resp: 19156
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.4 38.2
 229 20.5 16.3 24.5



#83
Bis(2-ethylhexyl)phthalate
 Concen: 11.48 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: BF089106.D
 Acq: 19 Jul 2016 4:07

Tgt Ion: 149 Resp: 56749
 Ion Ratio Lower Upper
 149 100
 167 23.3 20.5 30.7
 279 1.6 2.0 3.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL

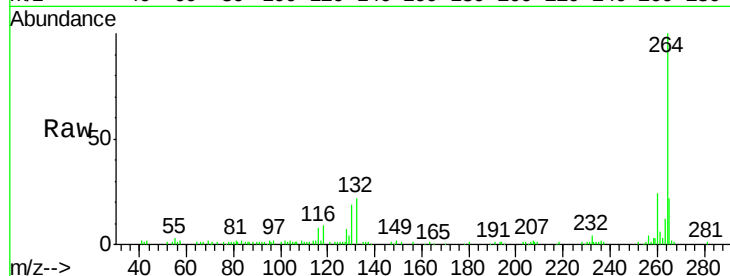
Tgt Ion:264 Resp: 85323

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

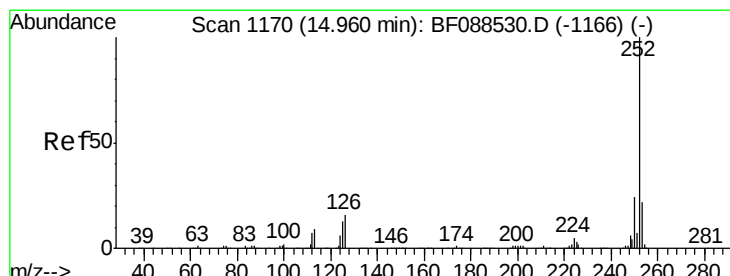
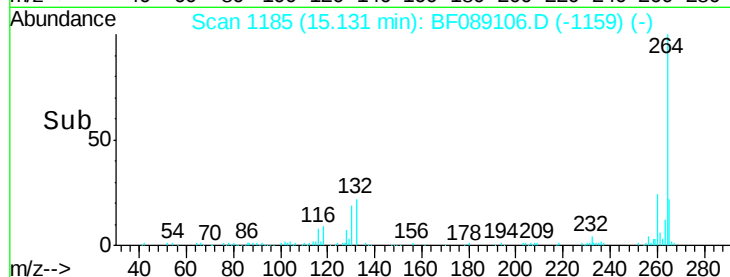
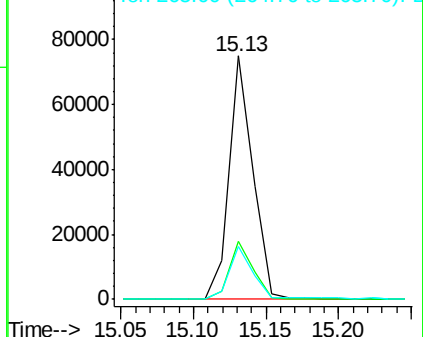
265 21.8 16.9 25.3



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: 4.48 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF089106.D

Acq: 19 Jul 2016 4:07

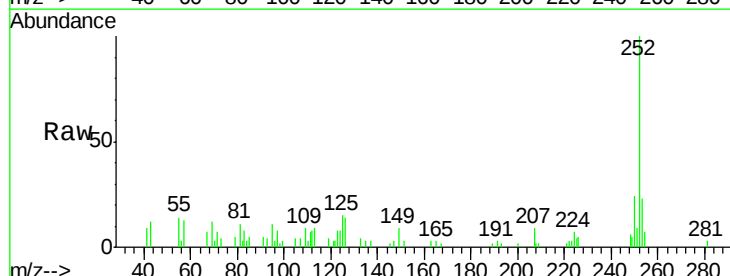
Tgt Ion:252 Resp: 23979

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

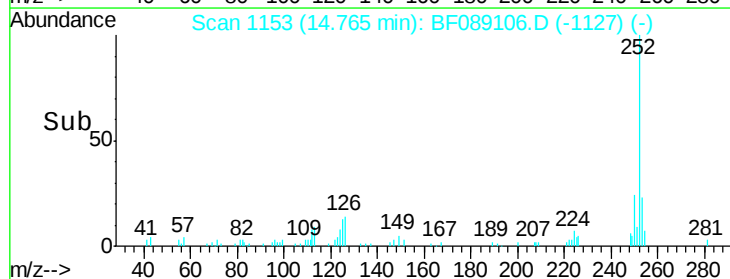
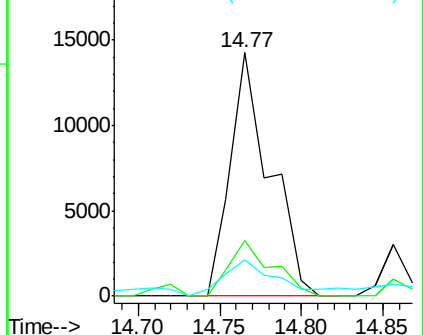
125 15.0 7.1 10.7#

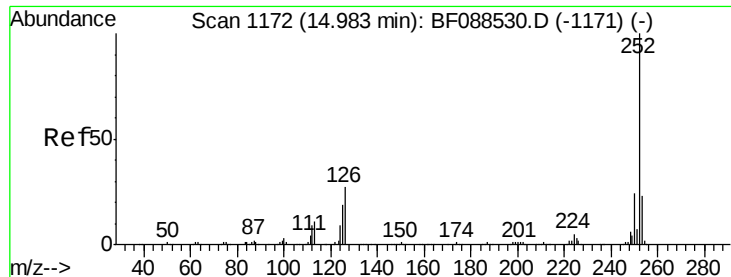


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.15 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF089106.D

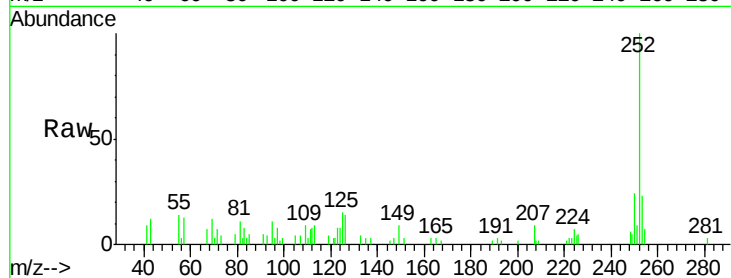
Acq: 19 Jul 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)DL



Tgt Ion:	252	Resp:	23979
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	15.0	11.2	16.8

