

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088682.D
 Acq On : 4 Jul 2016 8:44
 Operator : UM/SJ
 Sample : H3849-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F12-B1(0-5)C

Quant Time: Jul 05 00:48:27 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

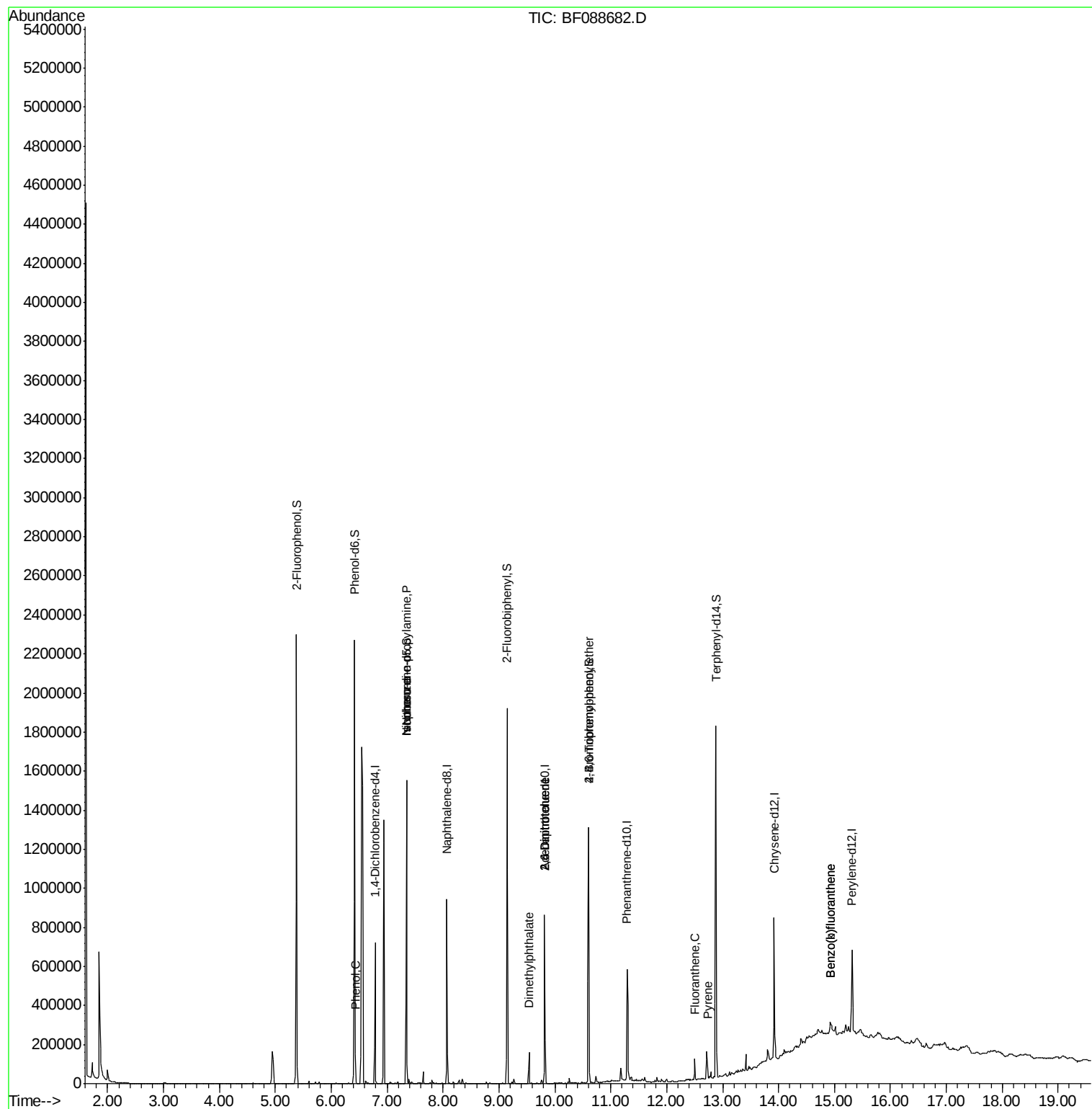
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	104903	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	383580	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	157912	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	257728	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	217465	20.00	ng	-0.03
86) Perylene-d12	15.31	264	181769	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	647909	92.56	ng	-0.02
7) Phenol-d6	6.42	99	824114	91.12	ng	-0.02
23) Nitrobenzene-d5	7.35	82	501405	68.50	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	151890	103.58	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	737870	73.81	ng	-0.03
78) Terphenyl-d14	12.88	244	492936	50.49	ng	-0.03
Target Compounds						
10) Phenol	6.43	94	20770	2.01	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.35	70	68304	11.24	ng	# 72
25) Isophorone	7.35	82	402386	29.68	ng	# 65
49) Dimethylphthalate	9.54	163	72663	6.46	ng	98
50) 2,6-Dinitrotoluene	9.82	165	20654	8.28	ng	# 40
56) 2,4-Dinitrotoluene	9.82	165	20655	6.34	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	10949	4.22	ng	# 1
74) Fluoranthene	12.50	202	43124	3.02	ng	95
77) Pyrene	12.73	202	40387	2.19	ng	99
87) Benzo(b)fluoranthene	14.93	252	30207	2.65	ng	# 77
88) Benzo(k)fluoranthene	14.93	252	30207	3.04	ng	# 82

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

Instrument :

BNA_F

ClientSampleId :

F12-B1(0-5)C

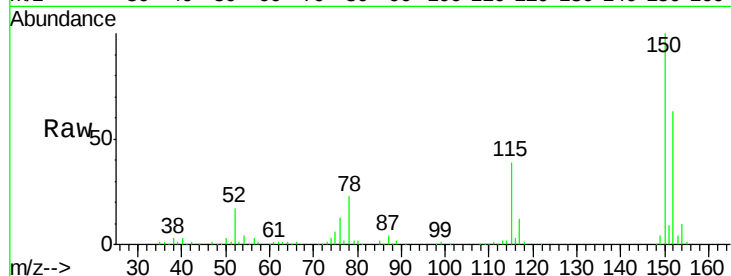
Tgt Ion:152 Resp: 104903

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

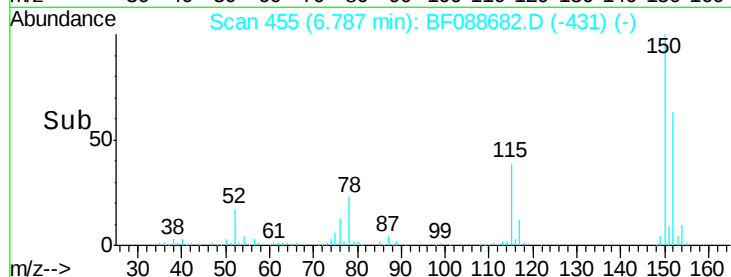
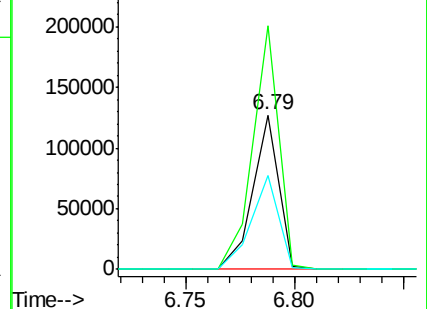
115 61.2 39.6 59.4#



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: 92.56 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

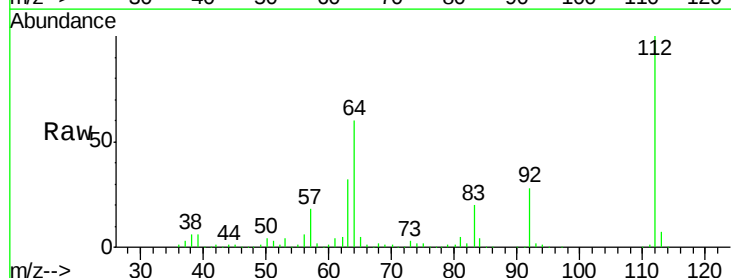
Tgt Ion:112 Resp: 647909

Ion Ratio Lower Upper

112 100

64 59.9 42.2 63.2

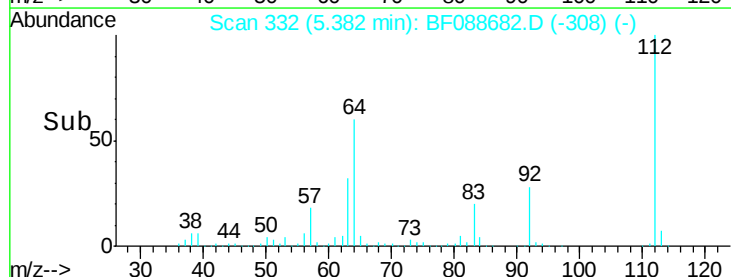
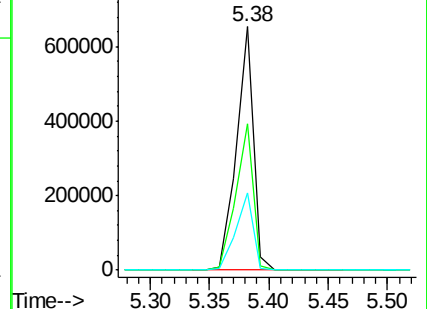
63 31.5 21.8 32.8



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: 91.12 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

Instrument :

BNA_F

ClientSampleId :

F12-B1(0-5)C

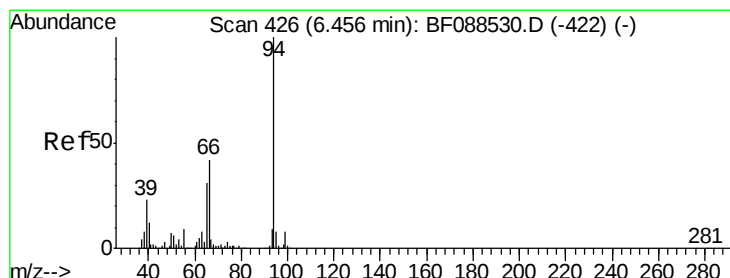
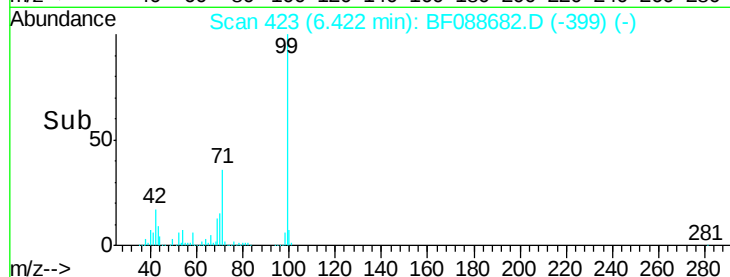
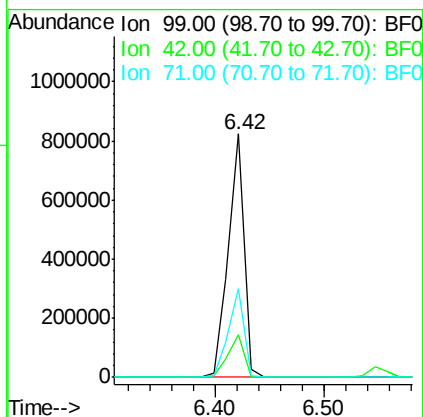
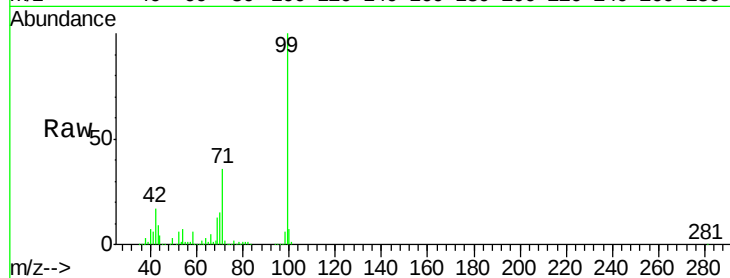
Tgt Ion: 99 Resp: 824114

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 36.2 23.4 35.0#



#10

Phenol

Concen: 2.01 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

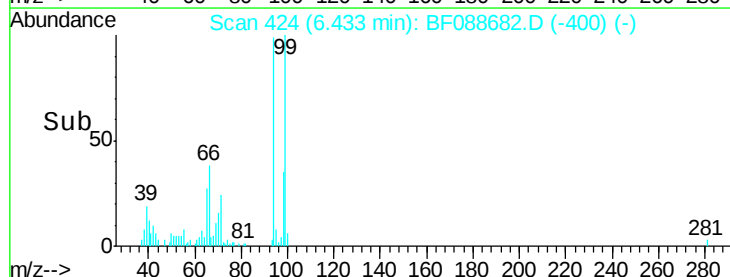
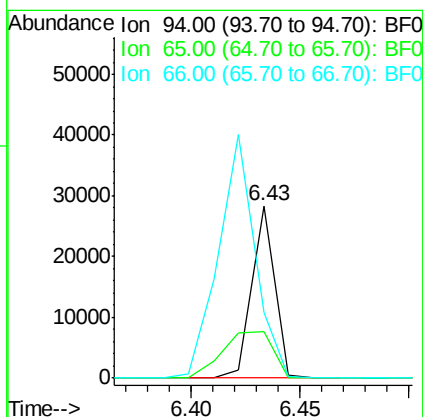
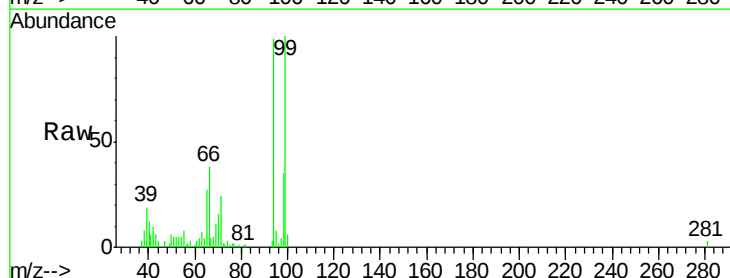
Tgt Ion: 94 Resp: 20770

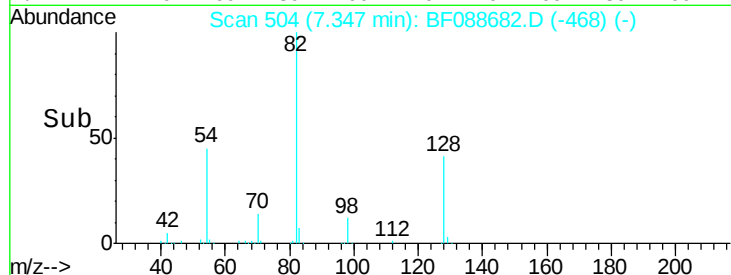
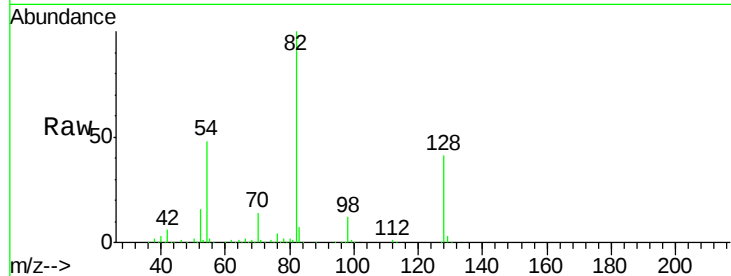
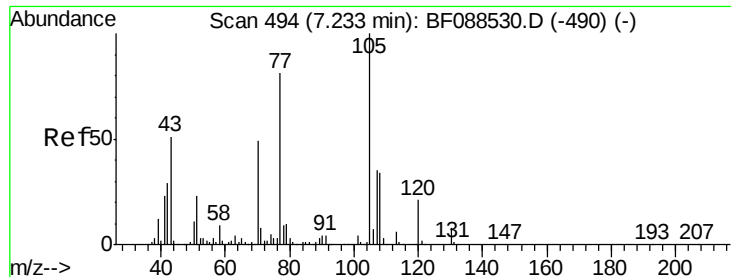
Ion Ratio Lower Upper

94 100

65 27.3 5.9 45.9

66 38.5 14.0 54.0

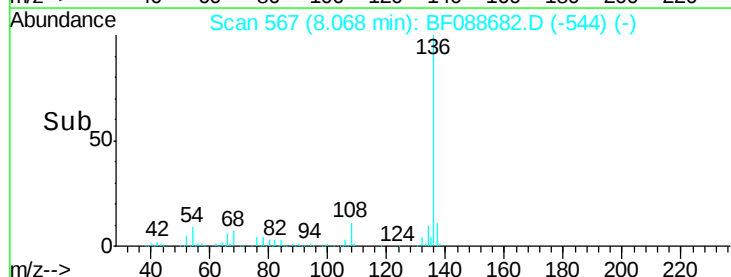
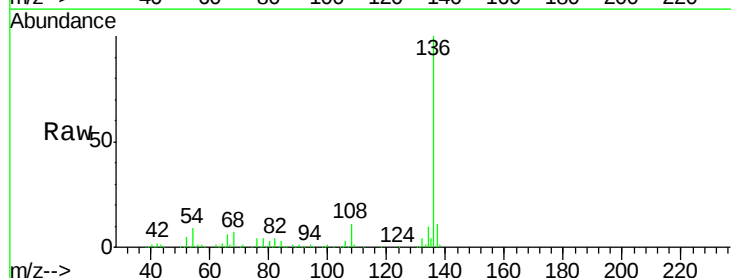
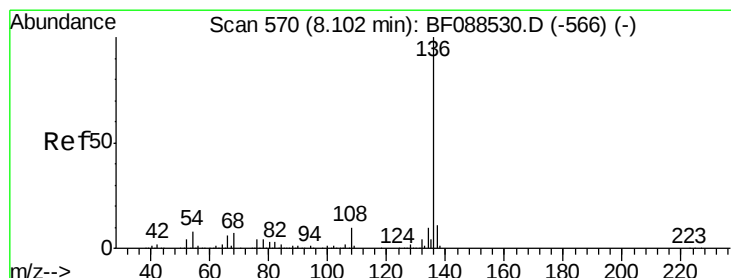
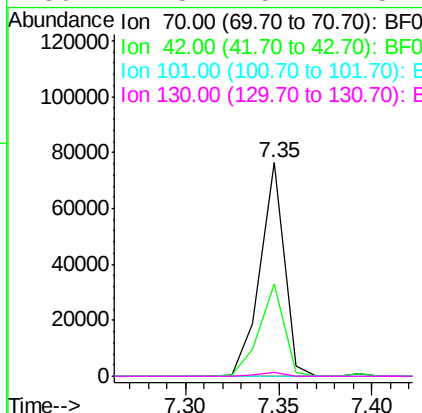




#19
n-Nitroso-di-n-propylamine
Concen: 11.24 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.11 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

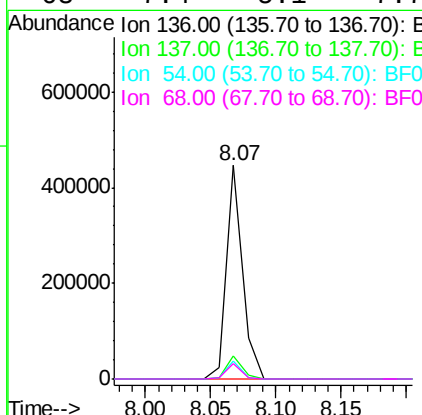
Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

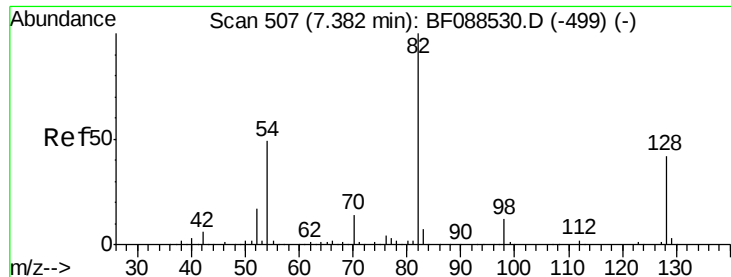
Tgt Ion: 70 Resp: 68304
Ion Ratio Lower Upper
70 100
42 43.1 49.6 74.4#
101 0.0 7.1 10.7#
130 1.8 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion: 136 Resp: 383580
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.7 6.6 10.0
68 7.4 5.1 7.7

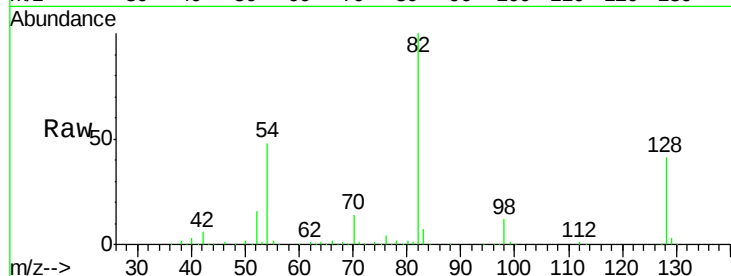




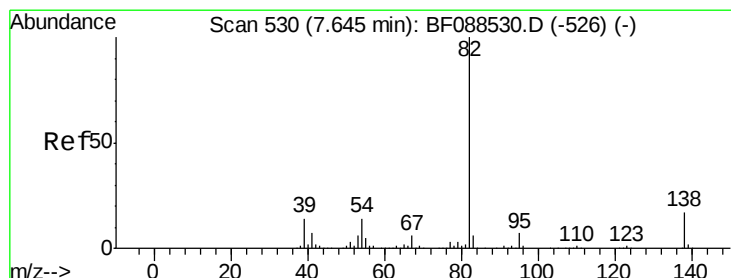
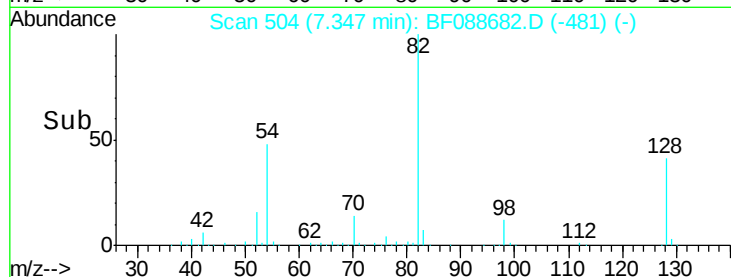
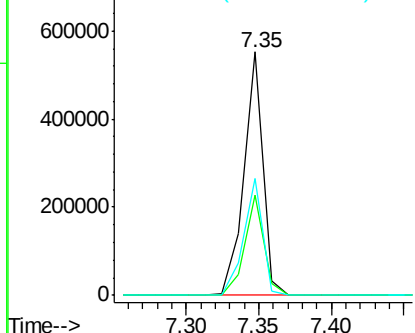
#23
Nitrobenzene-d5
Concen: 68.50 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

Tgt Ion: 82 Resp: 501405
Ion Ratio Lower Upper
82 100
128 41.1 35.9 53.9
54 48.0 40.9 61.3

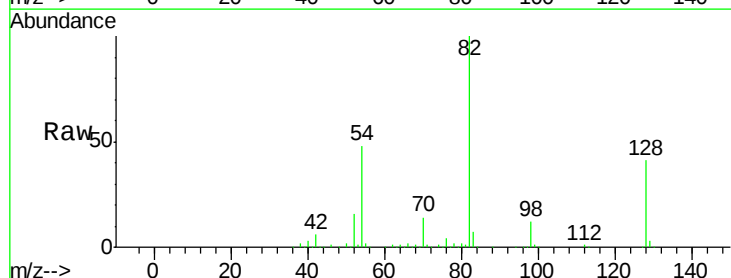


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

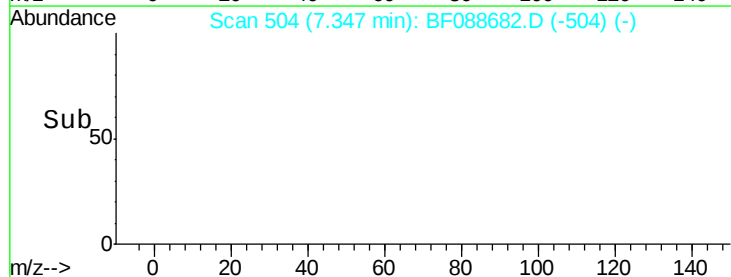
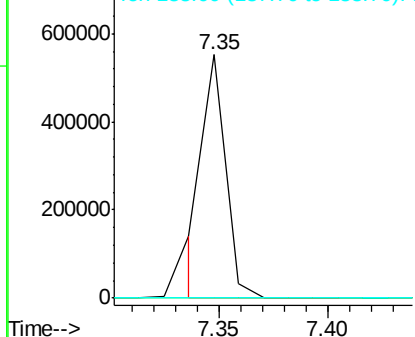


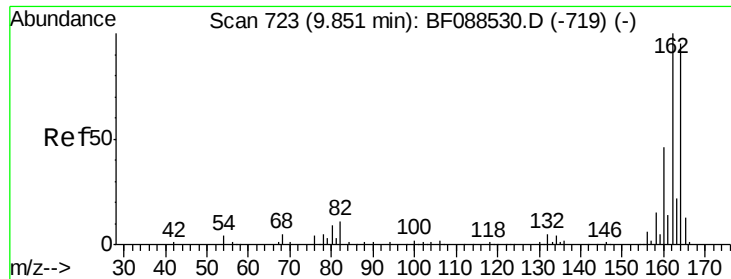
#25
Isophorone
Concen: 29.68 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.30 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion: 82 Resp: 402386
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

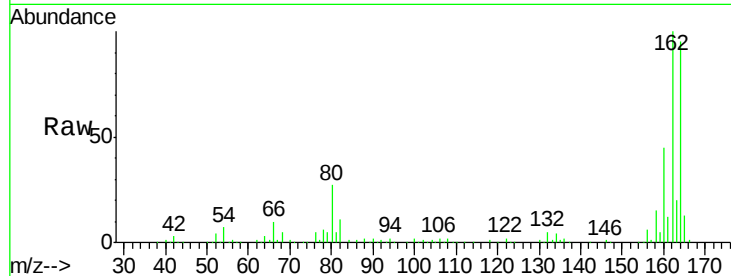




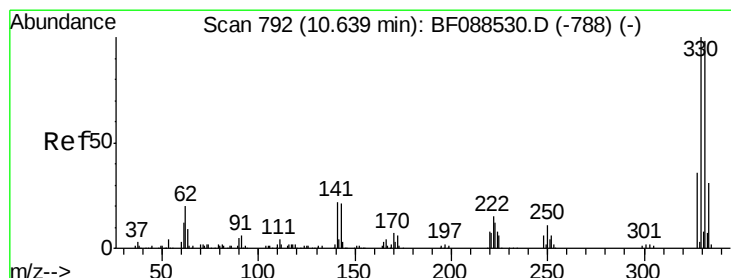
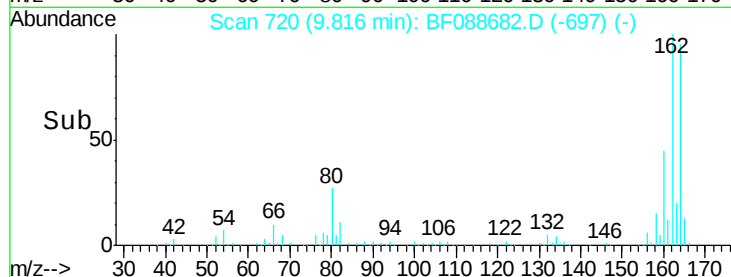
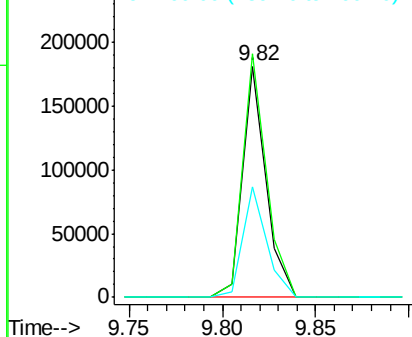
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

Tgt Ion:164 Resp: 157912
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.2
160 47.7 39.5 59.3

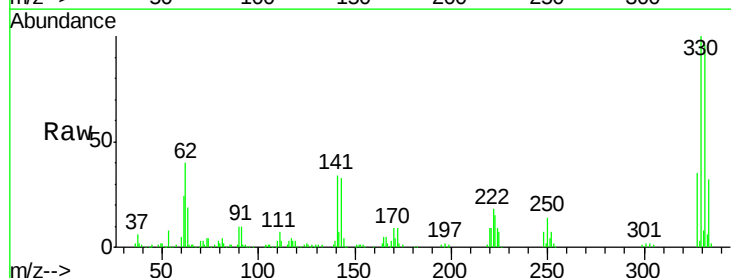


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

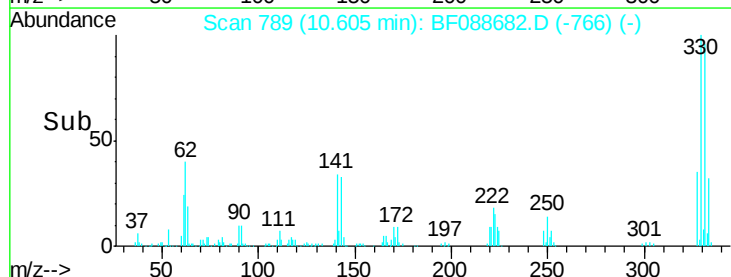
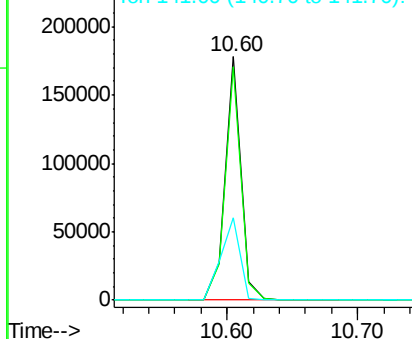


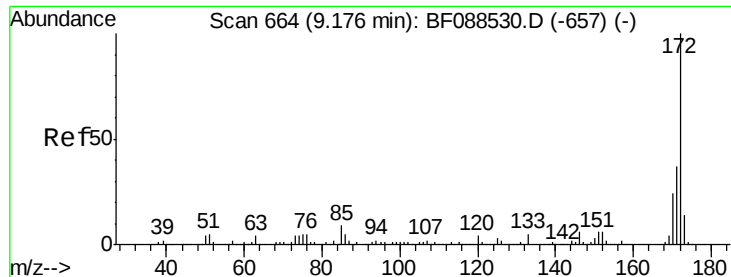
#41
2,4,6-Tribromophenol
Concen: 103.58 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion:330 Resp: 151890
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 41.2 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

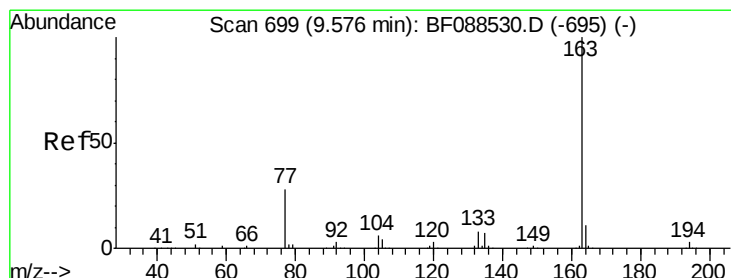
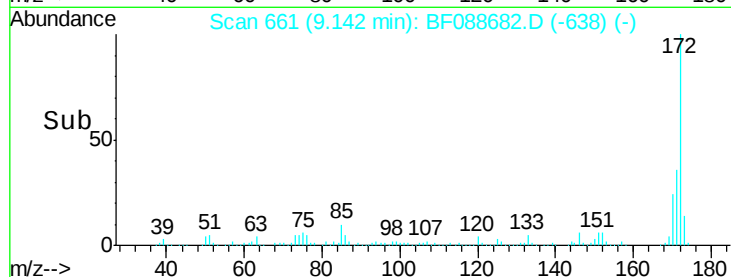
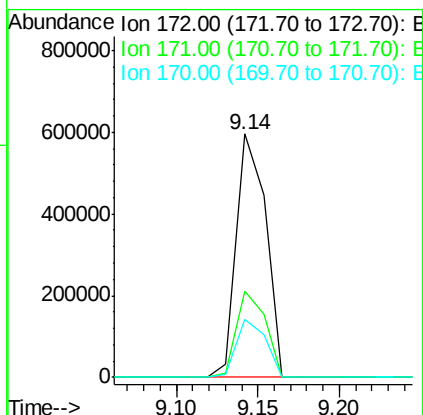
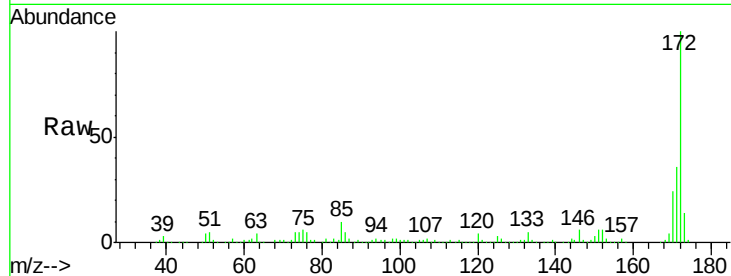




#44
2-Fluorobiphenyl
Concen: 73.81 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

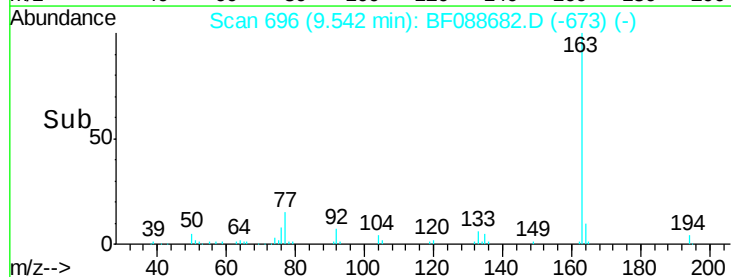
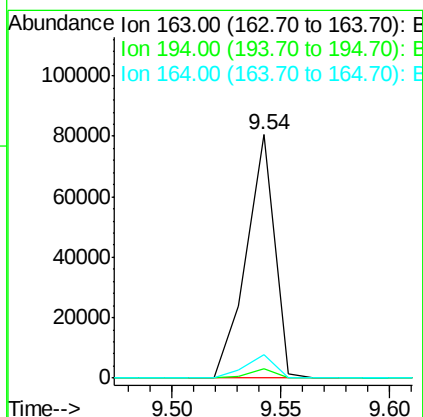
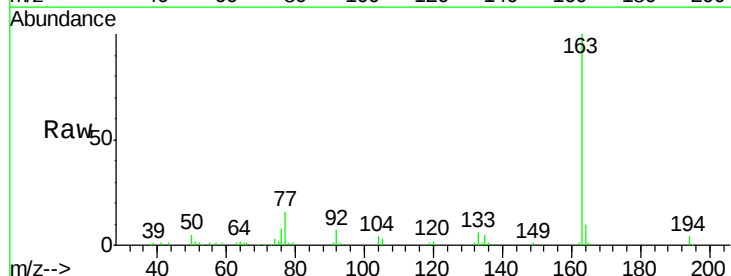
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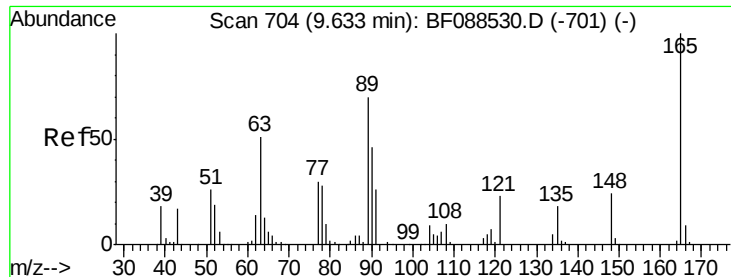
Tgt Ion:172 Resp: 737870
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.6 19.2 28.8



#49
Dimethylphthalate
Concen: 6.46 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion:163 Resp: 72663
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.7 8.3 12.5

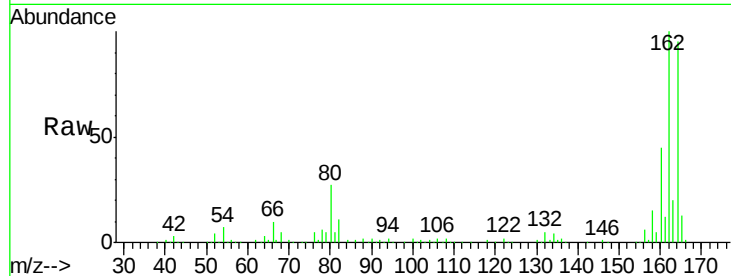




#50
 2,6-Dinitrotoluene
 Concen: 8.28 ng
 RT: 9.82 min Scan# 720
 Delta R.T. 0.18 min
 Lab File: BF088682.D
 Acq: 4 Jul 2016 8:44

Instrument :
 BNA_F
 ClientSampleId :
 F12-B1(0-5)C

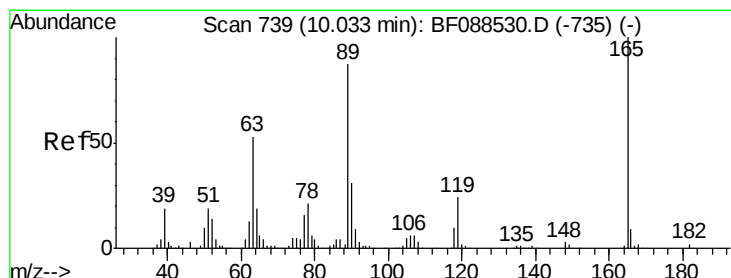
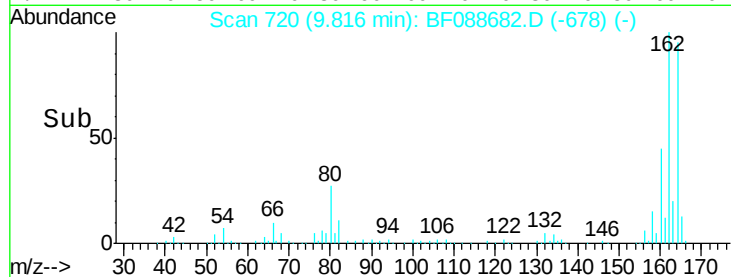
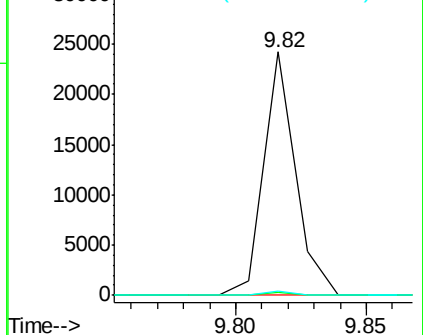
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.1	42.1#
89	1.8	32.2	48.2#



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: 6.34 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.22 min
 Lab File: BF088682.D
 Acq: 4 Jul 2016 8:44

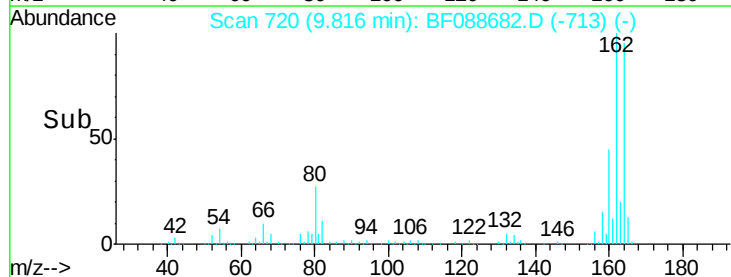
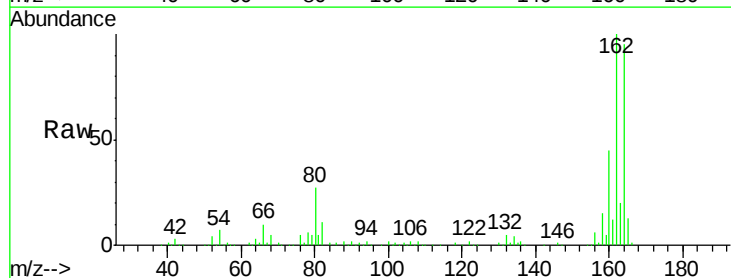
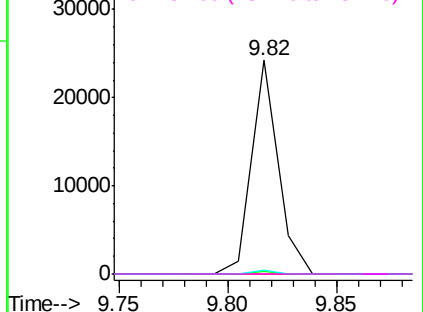
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#

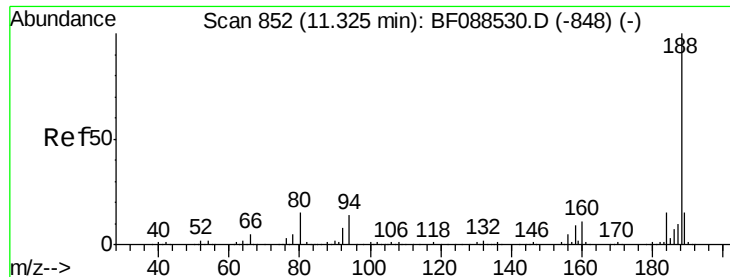
Abundance Ion 165.00 (164.70 to 165.70): E

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

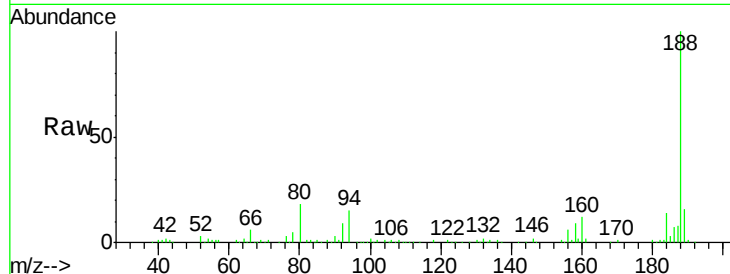




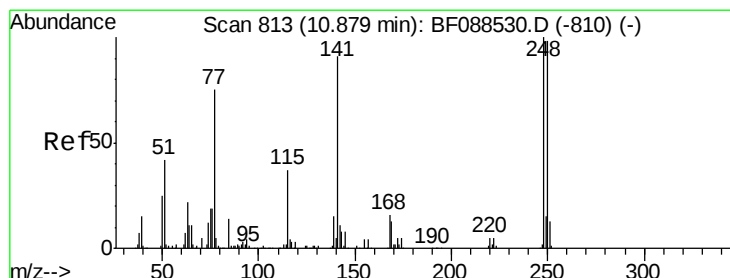
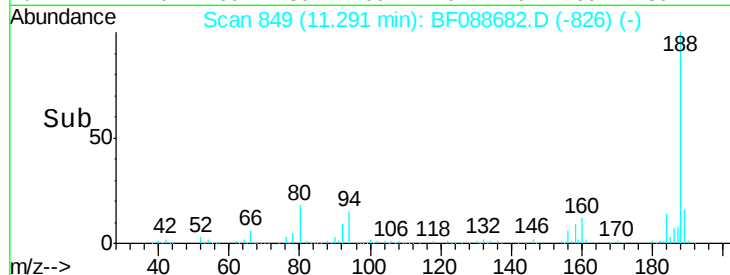
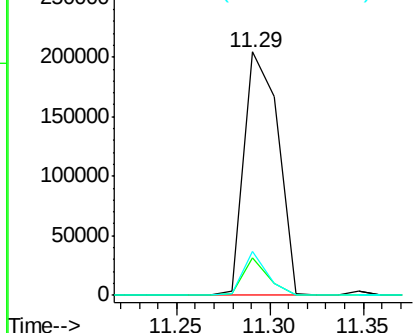
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

Tgt Ion:188 Resp: 257728
Ion Ratio Lower Upper
188 100
94 15.2 9.0 13.6#
80 17.9 10.0 15.0#

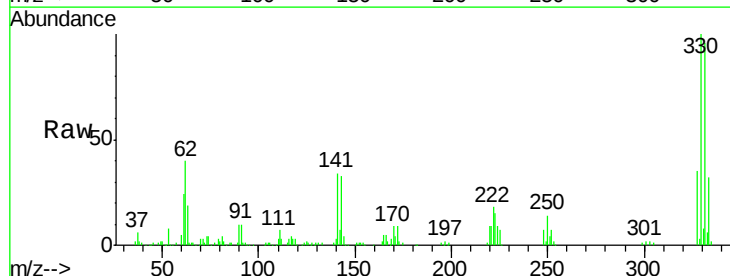


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

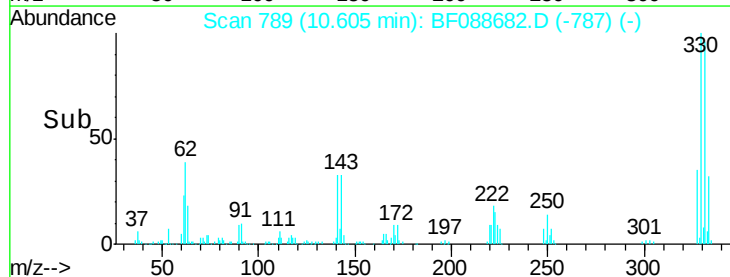
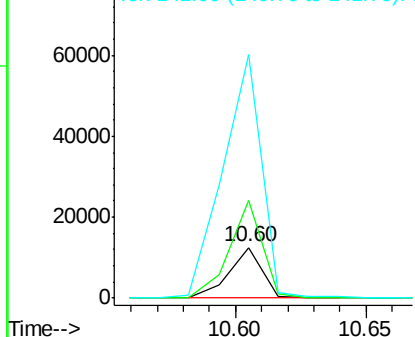


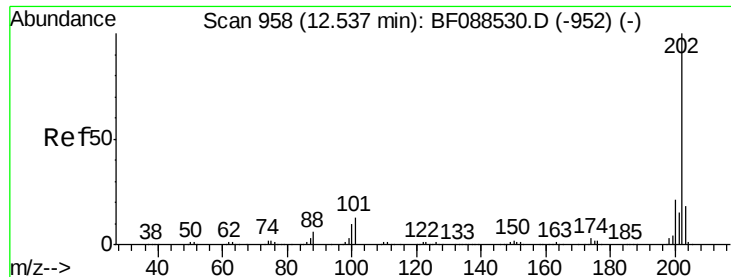
#66
4-Bromophenyl-phenylether
Concen: 4.22 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.27 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion:248 Resp: 10949
Ion Ratio Lower Upper
248 100
250 194.3 77.1 115.7#
141 483.4 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

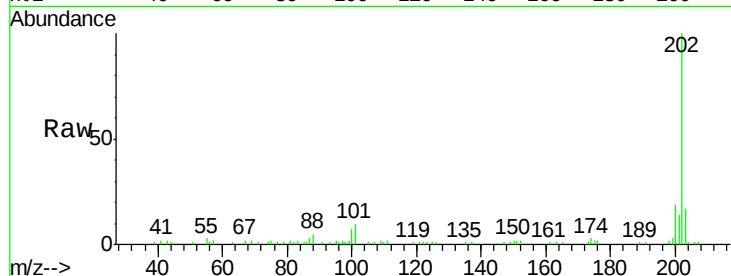




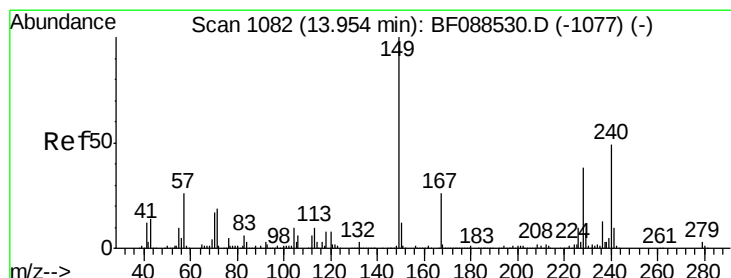
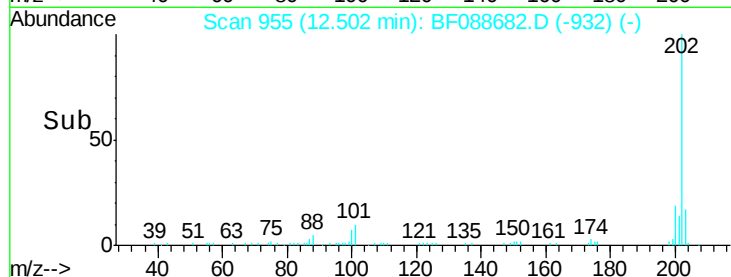
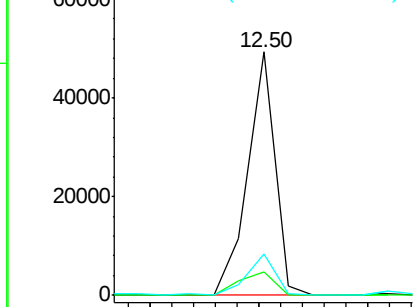
#74
Fluoranthene
Concen: 3.02 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	33.1
203	17.0	0.0	38.1

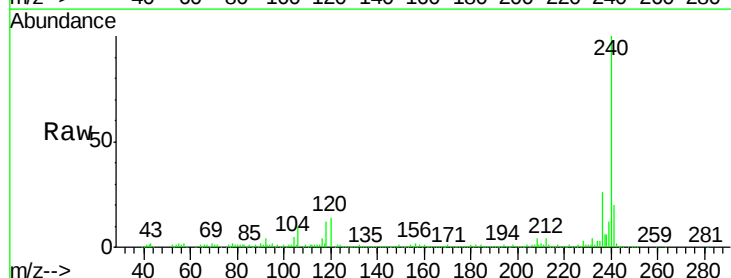


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

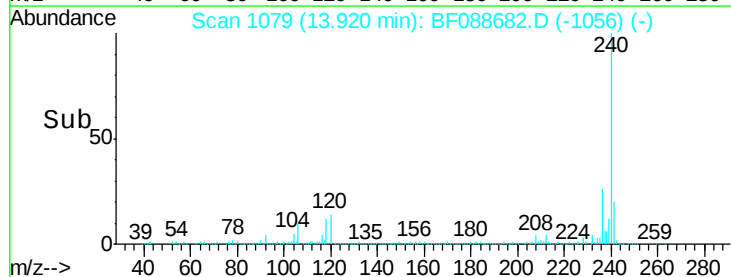
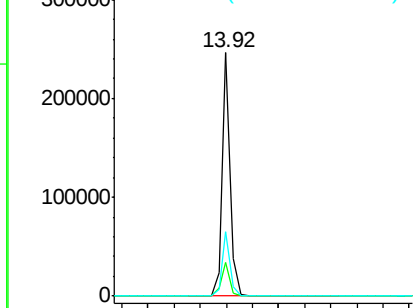


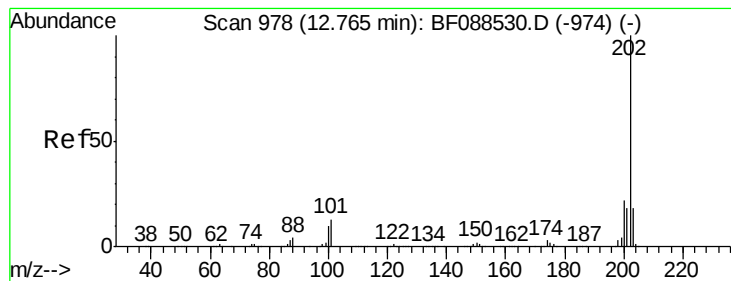
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	6.8	10.2#
236	26.4	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: 2.19 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.03 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

Instrument :

BNA_F

ClientSampleId :

F12-B1(0-5)C

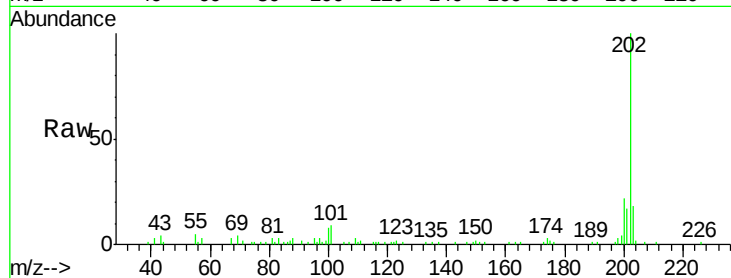
Tgt Ion: 202 Resp: 40387

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

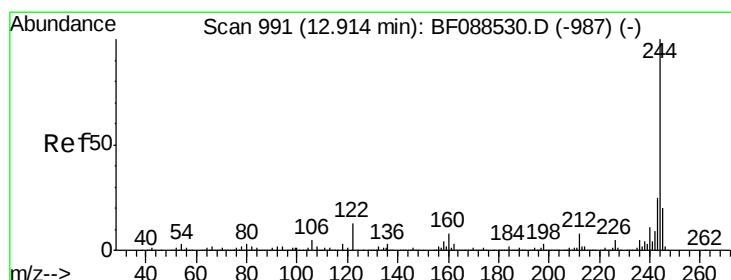
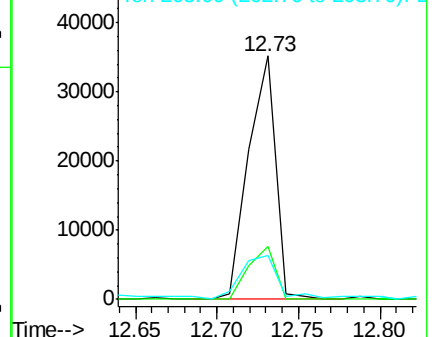
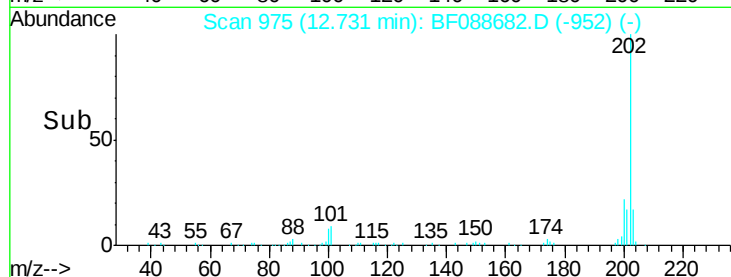
203 17.9 14.5 21.7



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: 50.49 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088682.D

Acq: 4 Jul 2016 8:44

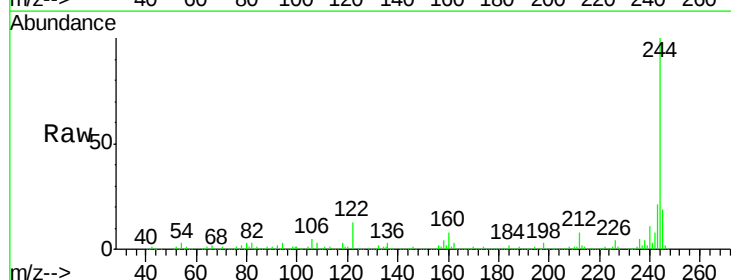
Tgt Ion: 244 Resp: 492936

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

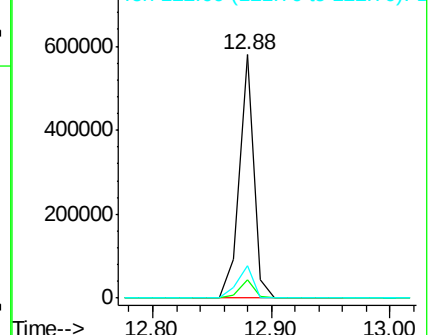
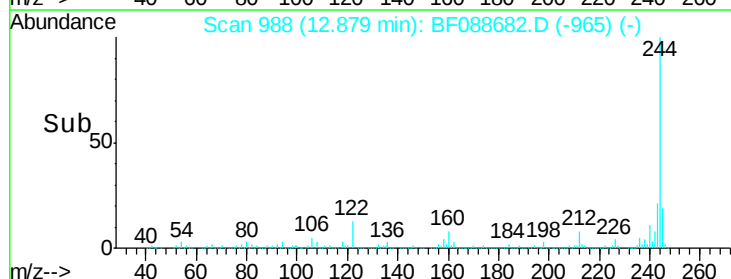
122 13.5 11.2 16.8

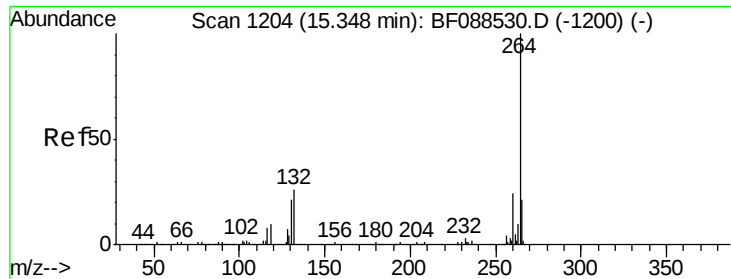


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

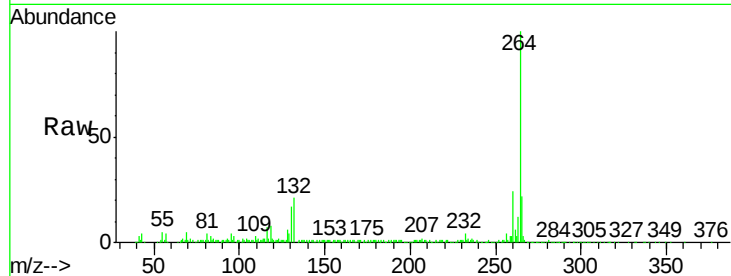




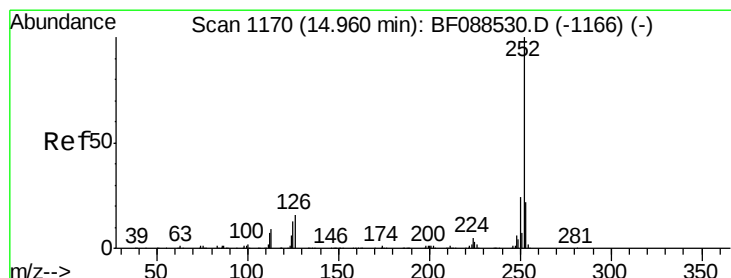
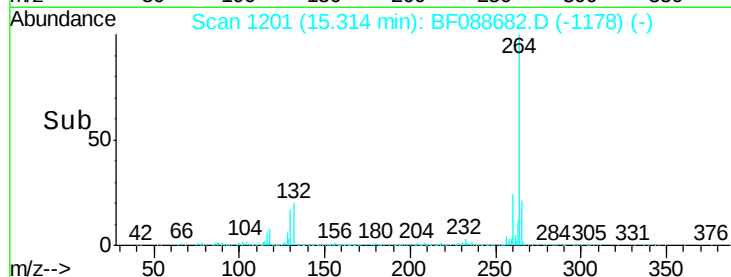
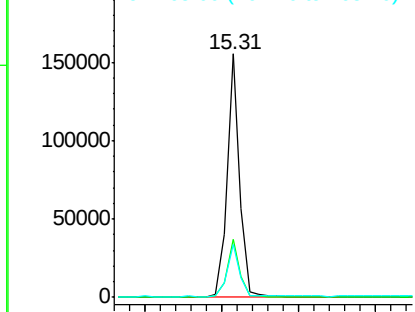
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Instrument :
BNA_F
ClientSampleId :
F12-B1(0-5)C

Tgt Ion:264 Resp: 181769
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.6 16.9 25.3

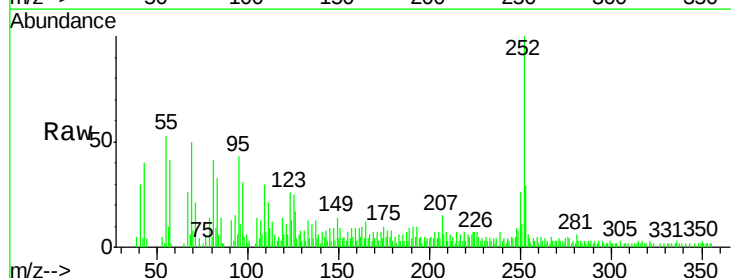


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

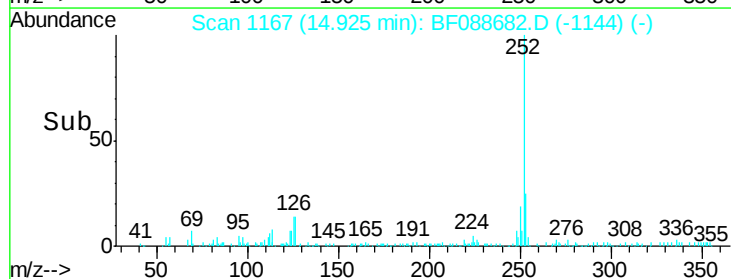
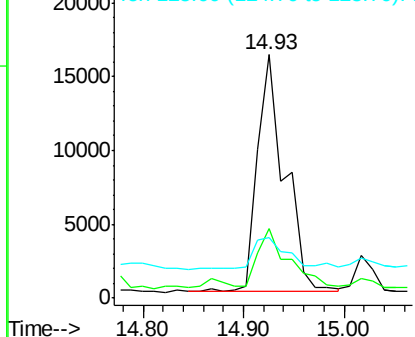


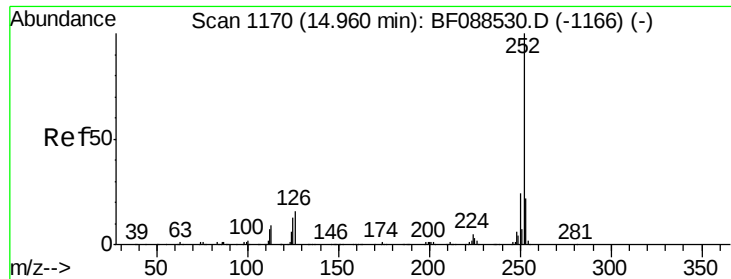
#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF088682.D
Acq: 4 Jul 2016 8:44

Tgt Ion:252 Resp: 30207
Ion Ratio Lower Upper
252 100
253 28.6 17.4 26.2#
125 24.8 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: 3.04 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.06 min

Lab File: BF088682.D

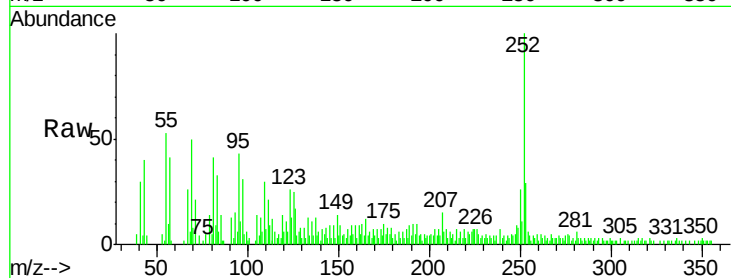
Acq: 4 Jul 2016 8:44

Instrument :

BNA_F

ClientSampleId :

F12-B1(0-5)C



Tgt Ion:	252	Resp:	30207
Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.0	27.0#
125	24.8	11.2	16.8#

