

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088306.D
 Acq On : 23 Jun 2016 23:38
 Operator : UM/SJ
 Sample : H3660-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Quant Time: Jun 24 01:38:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

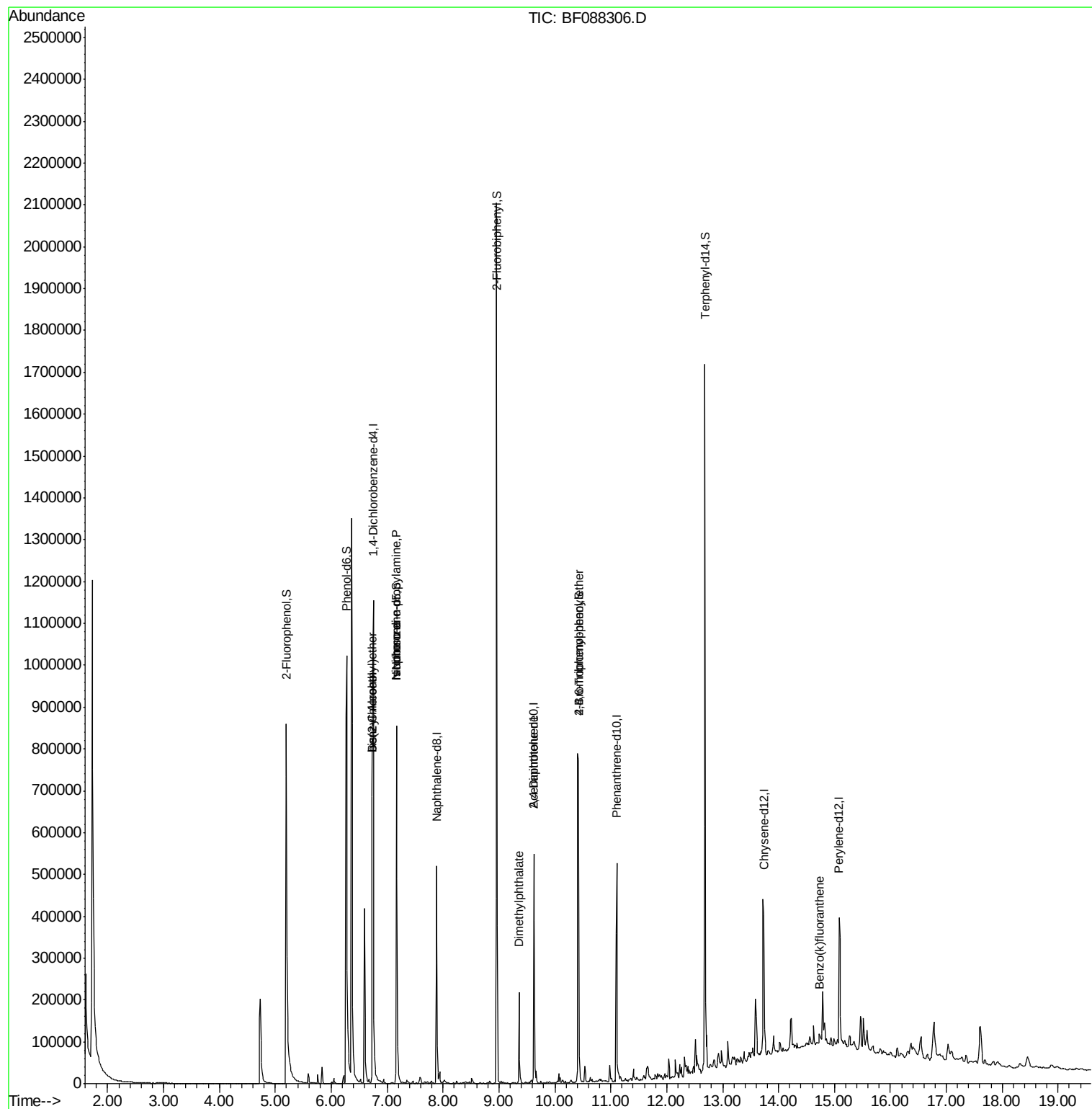
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	259825	20.00	ng	0.15
21) Naphthalene-d8	7.88	136	323224	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	145046	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	254450	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	167169	20.00	ng	-0.01
86) Perylene-d12	15.09	264	156544	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	564218	37.12	ng	0.02
7) Phenol-d6	6.27	99	705565	38.31	ng	0.01
23) Nitrobenzene-d5	7.16	82	378473	68.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	150968	98.57	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	702300	75.44	ng	-0.01
78) Terphenyl-d14	12.69	244	523939	71.32	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	1014	Below Cal	#	1
11) bis(2-Chloroethyl)ether	6.73	93	201695	12.49	ng	# 18
15) Benzyl Alcohol	6.73	79	54268	3.77	ng	# 1
19) n-Nitroso-di-n-propylamine	7.16	70	48637	4.13	ng	# 72
25) Isophorone	7.16	82	369270	36.02	ng	# 65
45) 1,1'-Biphenyl	8.96	154	1212	Below Cal	#	1
49) Dimethylphthalate	9.36	163	97503	9.28	ng	# 100
56) 2,4-Dinitrotoluene	9.62	165	18227	5.89	ng	# 36
57) Fluorene	10.18	166	265	Below Cal	#	90
66) 4-Bromophenyl-phenylether	10.42	248	9870	3.62	ng	# 1
88) Benzo(k)fluoranthene	14.73	252	16813	2.04	ng	# 92

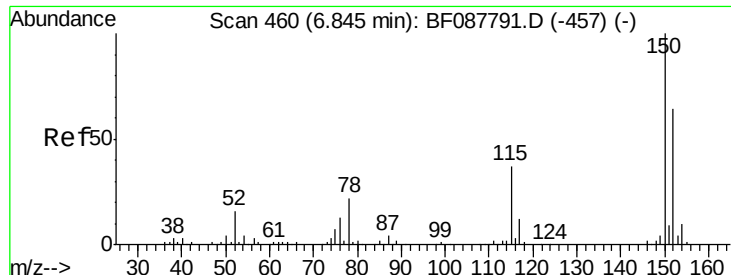
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

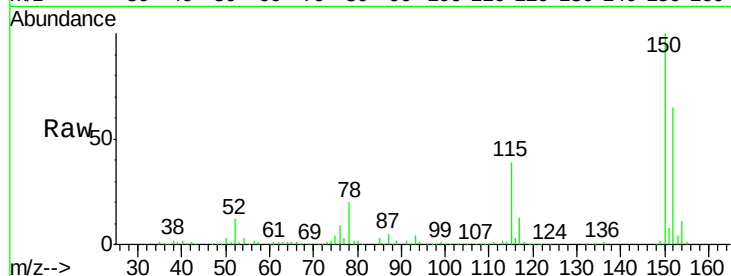
Tgt Ion:152 Resp: 259825

Ion Ratio Lower Upper

152 100

150 152.7 123.8 185.6

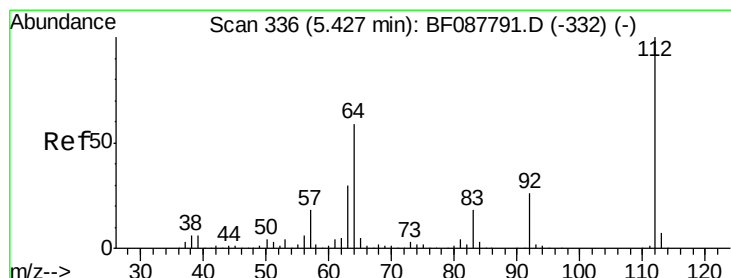
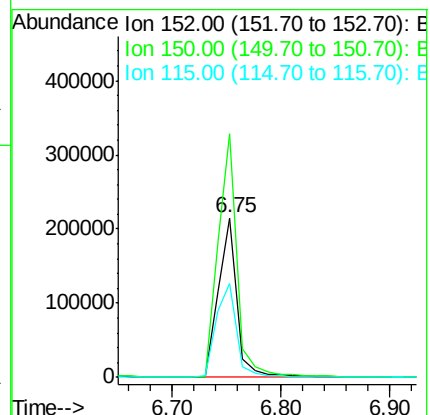
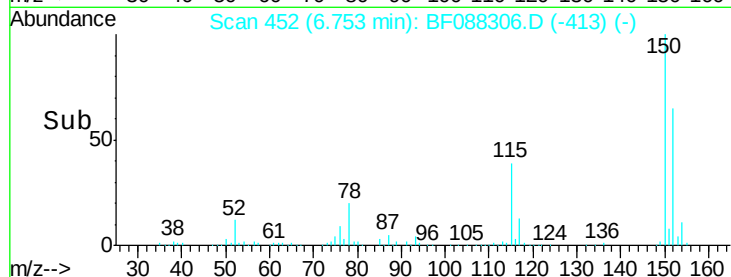
115 59.0 39.6 59.4



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: 37.12 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.02 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

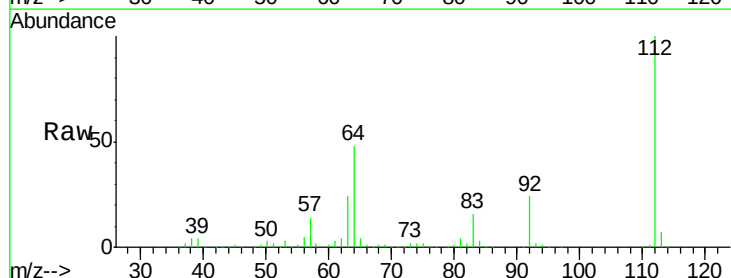
Tgt Ion:112 Resp: 564218

Ion Ratio Lower Upper

112 100

64 48.1 42.2 63.2

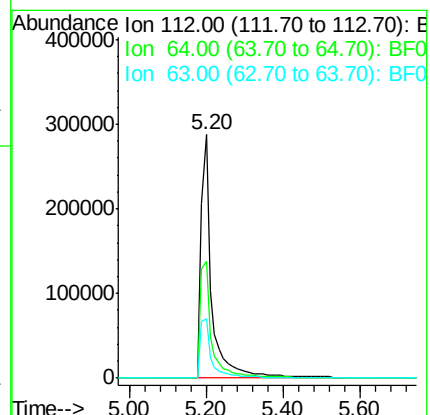
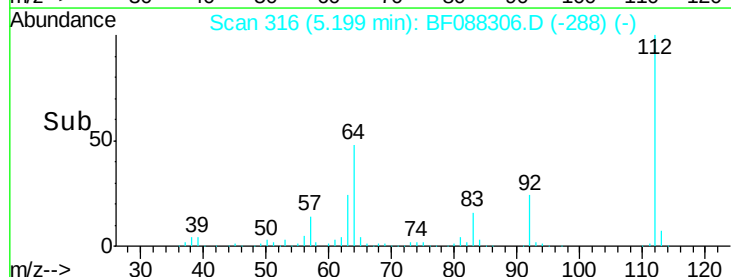
63 24.5 21.8 32.8

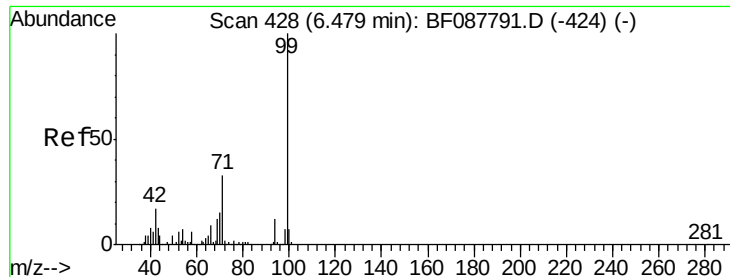


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.31 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.01 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

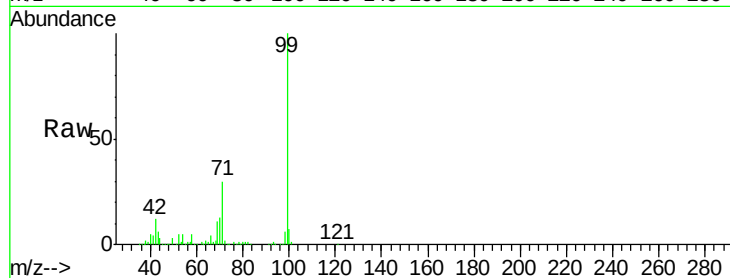
Tgt Ion: 99 Resp: 705565

Ion Ratio Lower Upper

99 100

42 12.4 12.2 18.2

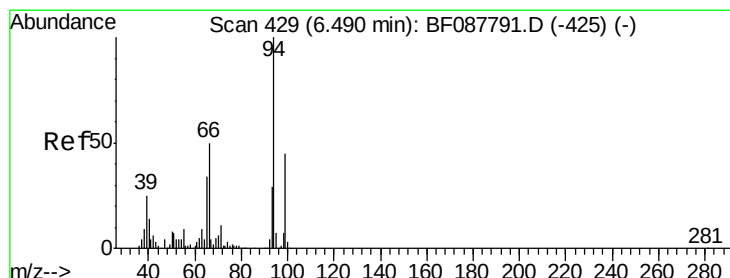
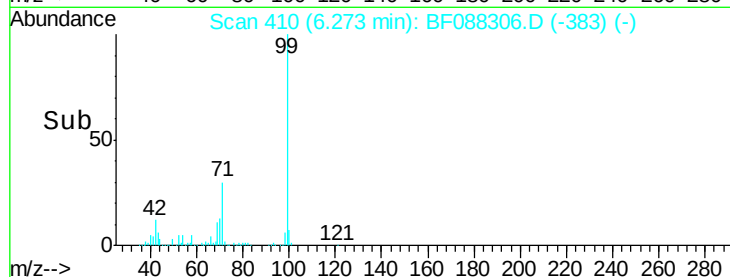
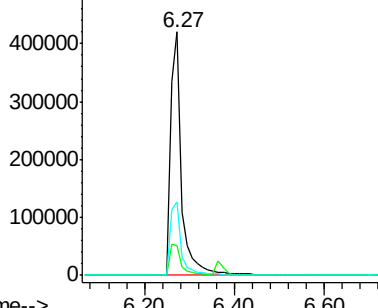
71 30.3 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.36 min Scan# 418

Delta R.T. 0.09 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

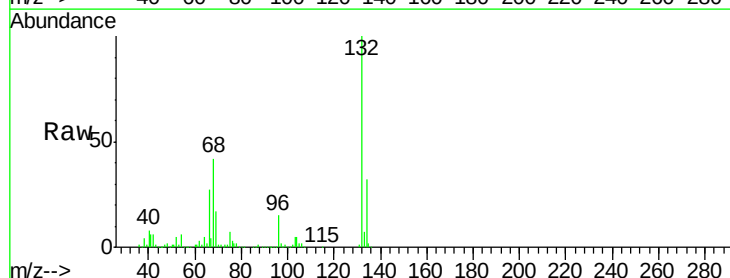
Tgt Ion: 94 Resp: 1014

Ion Ratio Lower Upper

94 100

65 885.1 5.9 45.9#

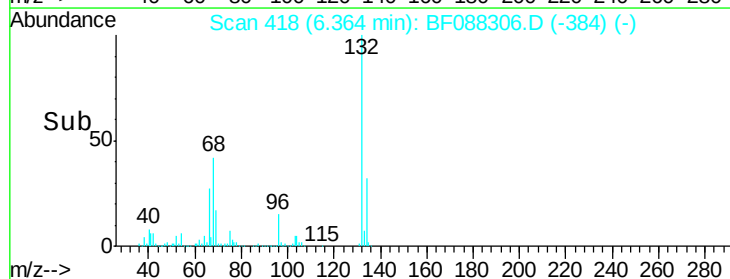
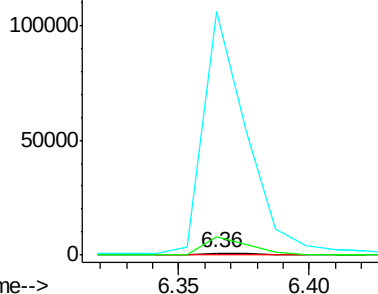
66 11790.0 14.0 54.0#

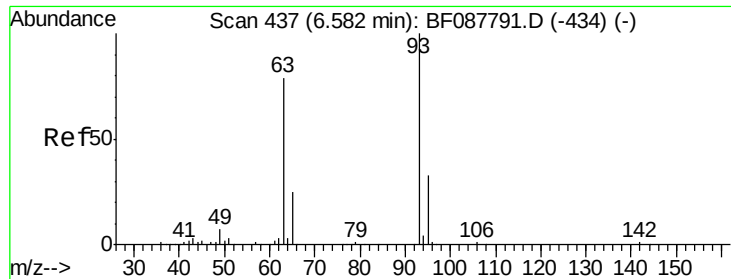


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

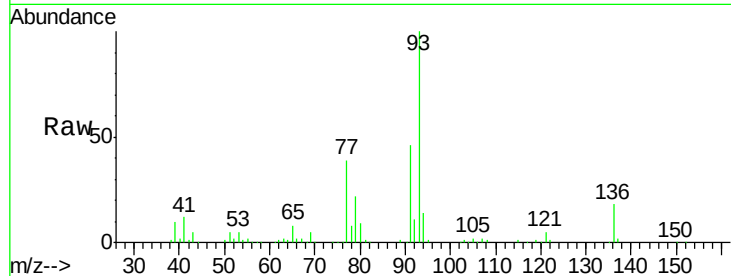




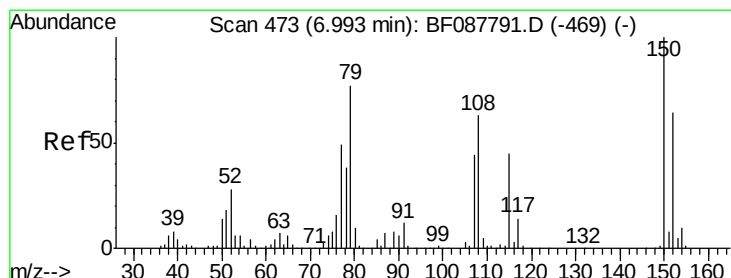
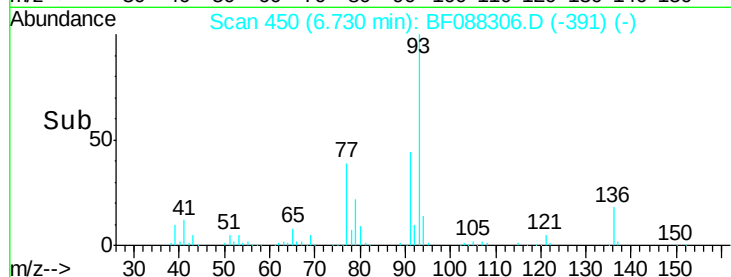
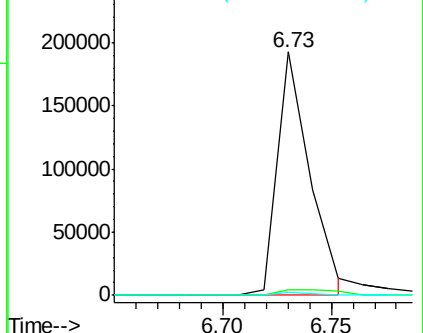
#11
bis(2-Chloroethyl)ether
Concen: 12.49 ng
RT: 6.73 min Scan# 450
Delta R.T. 0.38 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

Instrument :
BNA_F
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SB-1(0-6)

Tgt Ion: 93 Resp: 201695
Ion Ratio Lower Upper
93 100
63 2.3 67.6 107.6#
95 1.1 12.5 52.5#

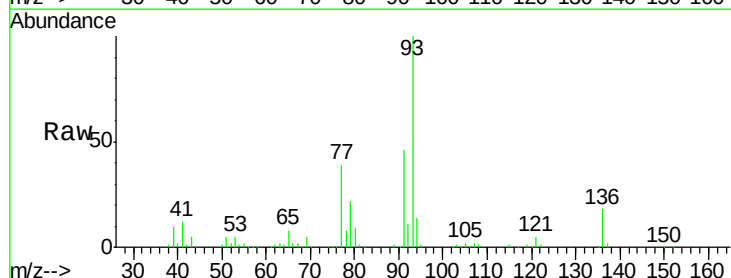


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

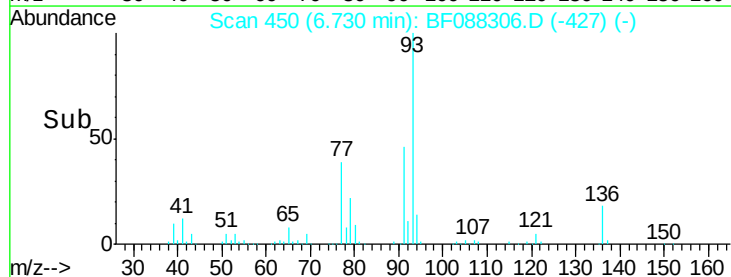
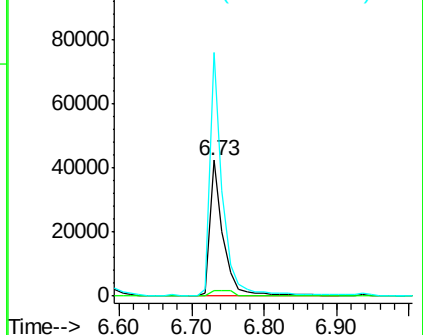


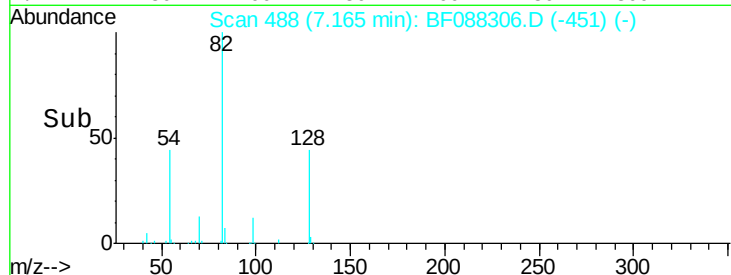
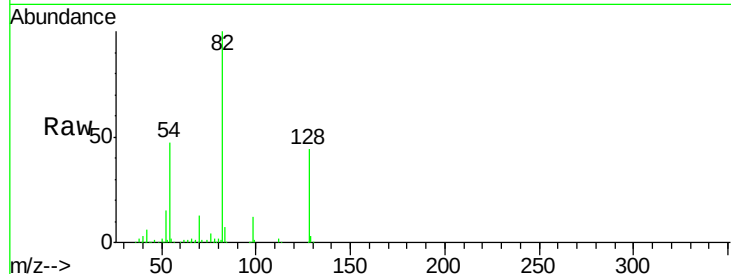
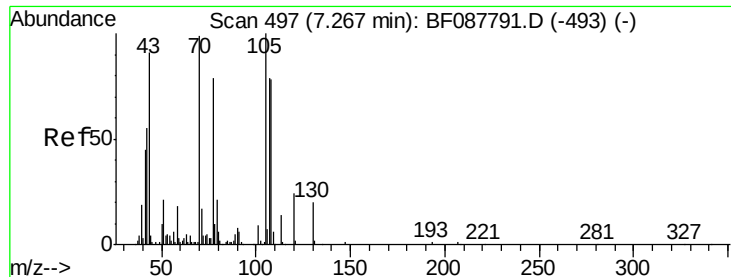
#15
Benzyl Alcohol
Concen: 3.77 ng
RT: 6.73 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

Tgt Ion: 79 Resp: 54268
Ion Ratio Lower Upper
79 100
108 3.8 65.0 97.6#
77 179.7 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

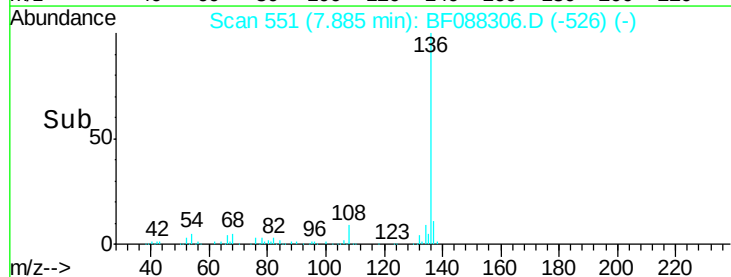
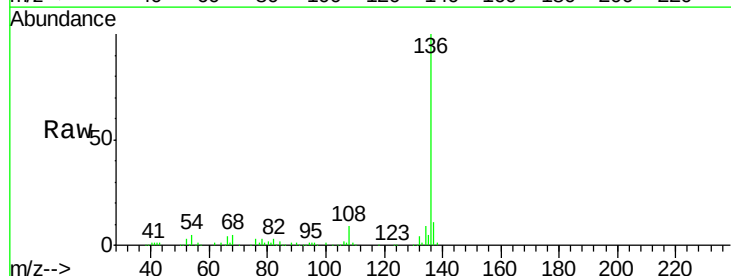
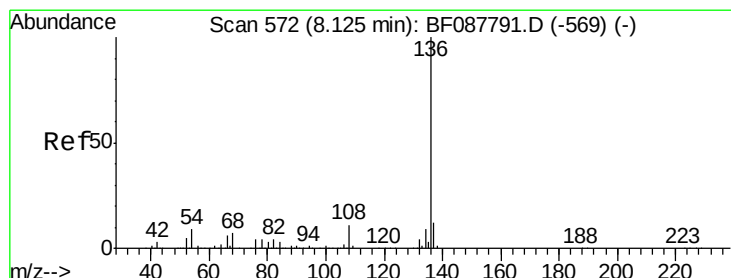
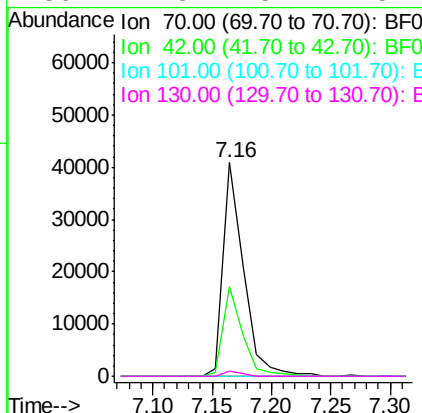




#19
n-Nitroso-di-n-propylamine
Concen: 4.13 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

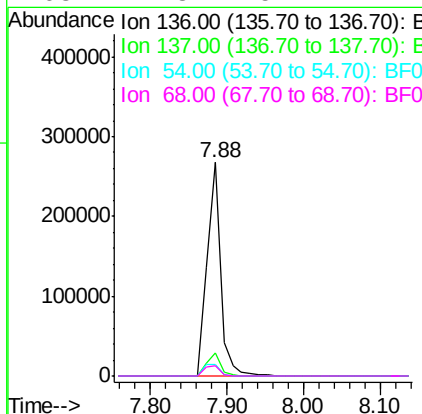
Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

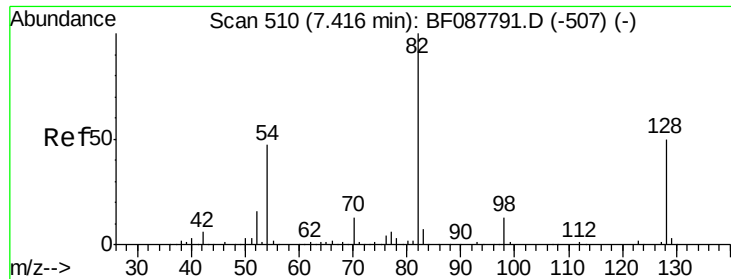
Tgt Ion:	70	Resp:	48637
Ion	Ratio	Lower	Upper
70	100		
42	41.8	49.6	74.4#
101	0.0	7.1	10.7#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

Tgt Ion:	136	Resp:	323224
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.2	6.6	10.0#
68	4.8	5.1	7.7#

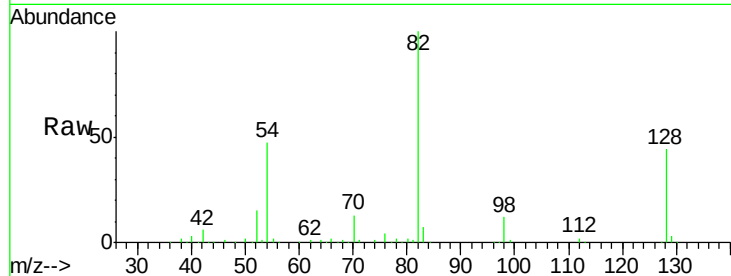




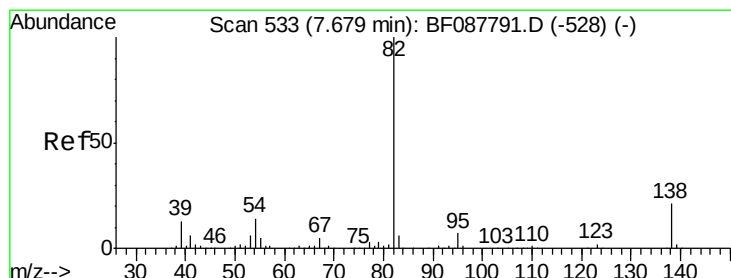
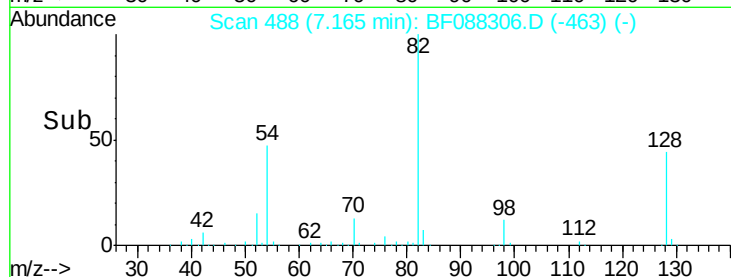
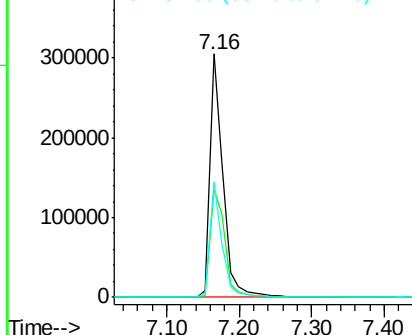
#23
 Nitrobenzene-d5
 Concen: 68.38 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

Tgt Ion: 82 Resp: 378473
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.9 53.9
 54 47.3 40.9 61.3

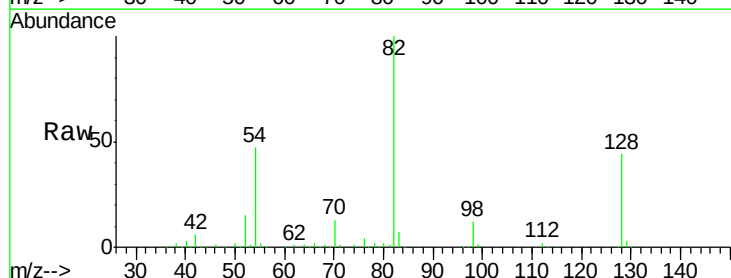


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

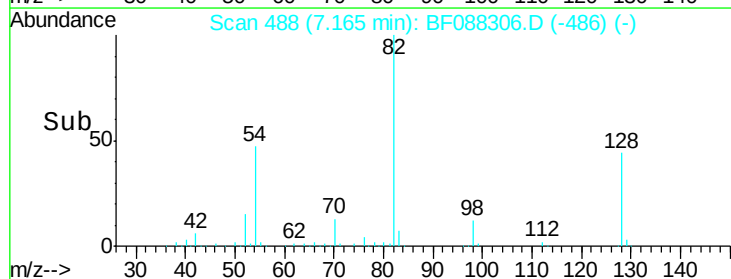
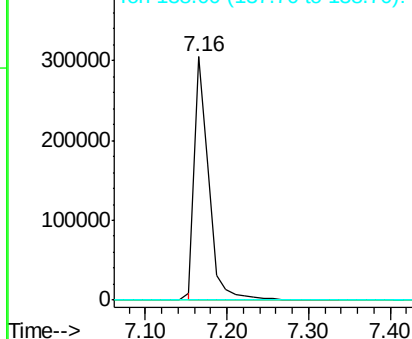


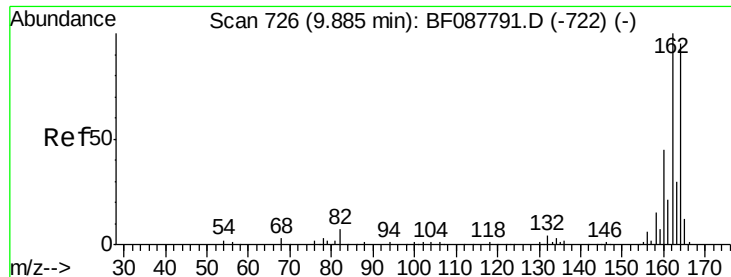
#25
 Isophorone
 Concen: 36.02 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.27 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

Tgt Ion: 82 Resp: 369270
 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: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

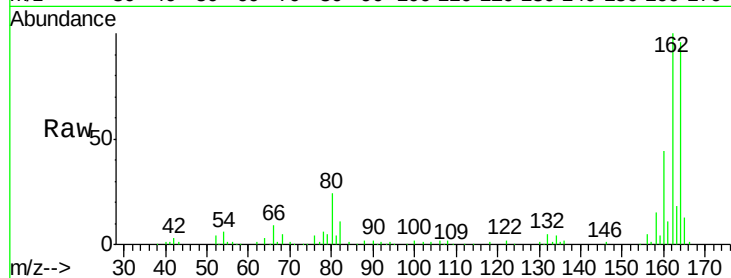
Tgt Ion:164 Resp: 145046

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.2

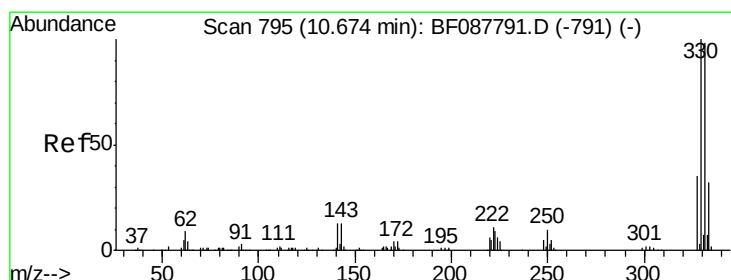
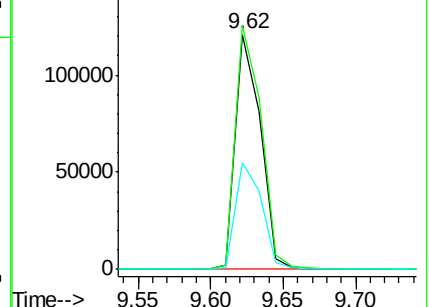
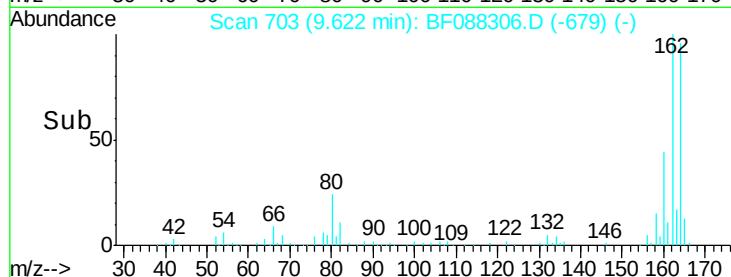
160 45.5 39.5 59.3



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: 98.57 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

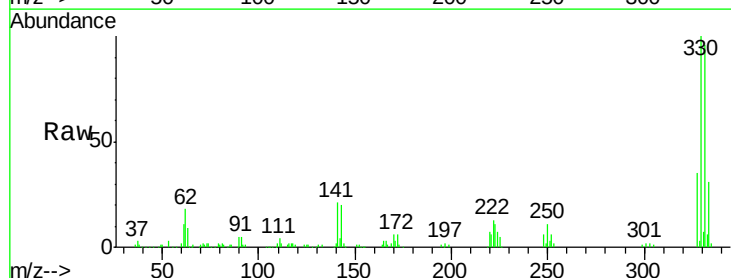
Tgt Ion:330 Resp: 150968

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

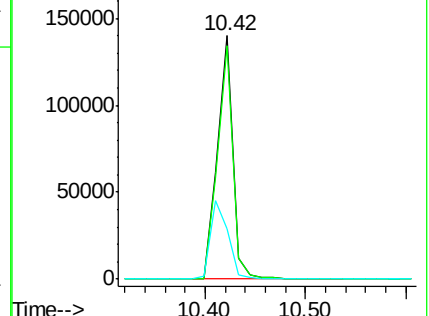
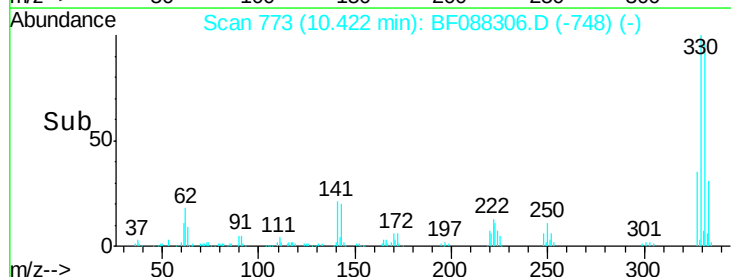
141 36.2 0.0 0.0#

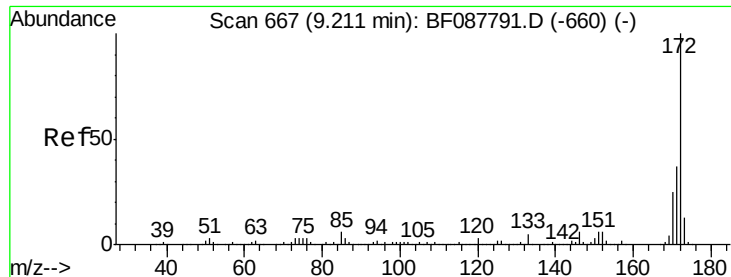


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

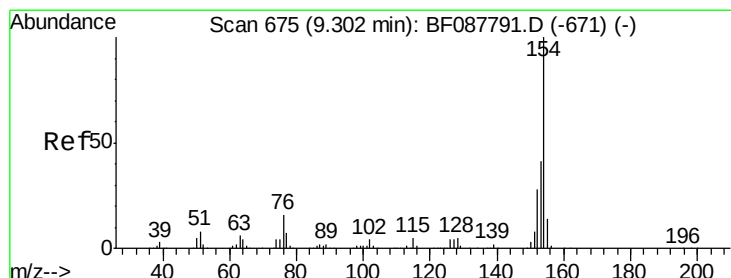
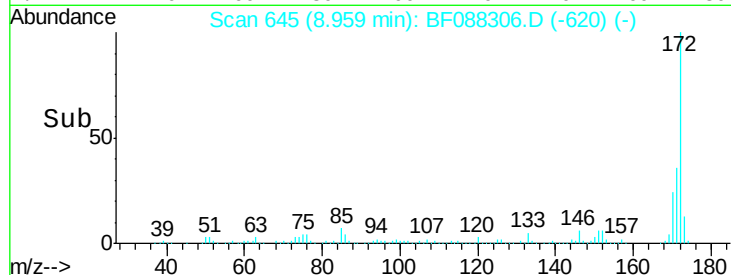
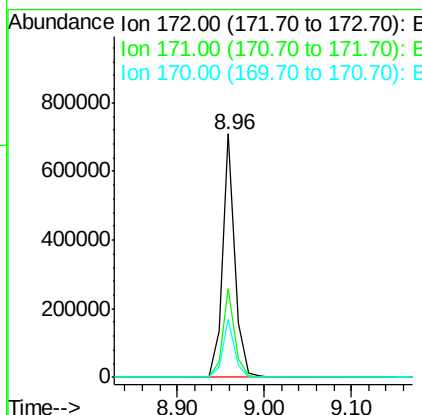
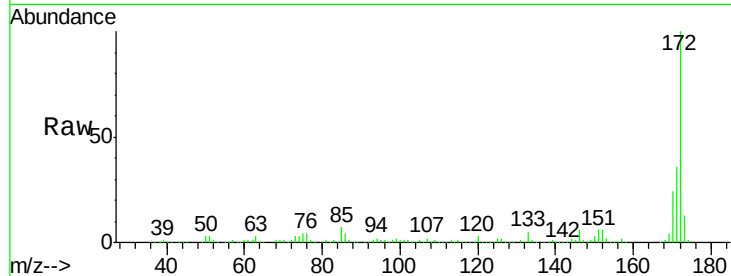




#44
 2-Fluorobiphenyl
 Concen: 75.44 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

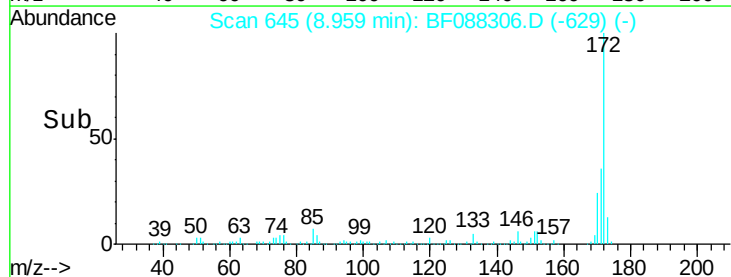
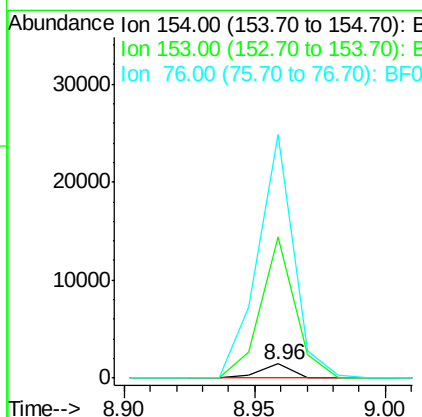
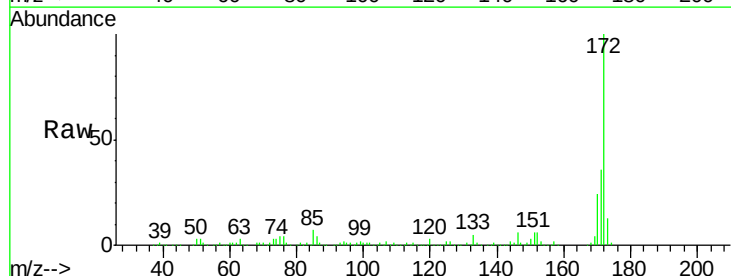
Instrument :
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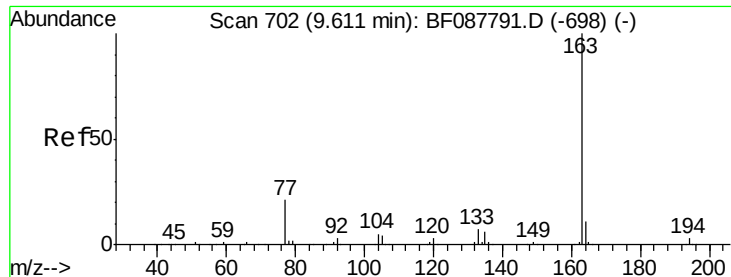
Tgt Ion:172 Resp: 702300
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.96 min Scan# 645
 Delta R.T. -0.11 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

Tgt Ion:154 Resp: 1212
 Ion Ratio Lower Upper
 154 100
 153 992.1 20.6 60.6#
 76 1717.2 0.0 35.1#





#49

Dimethylphthalate

Concen: 9.28 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

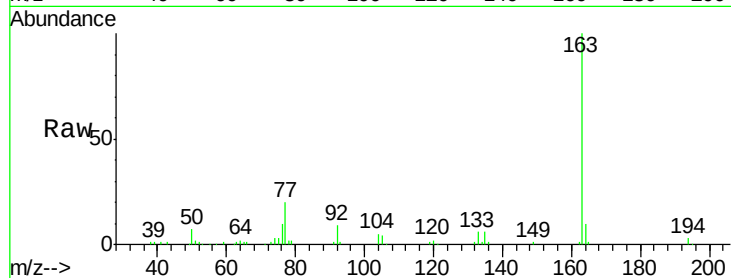
Tgt Ion:163 Resp: 97503

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

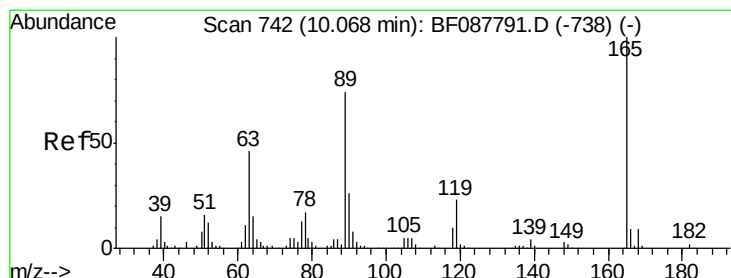
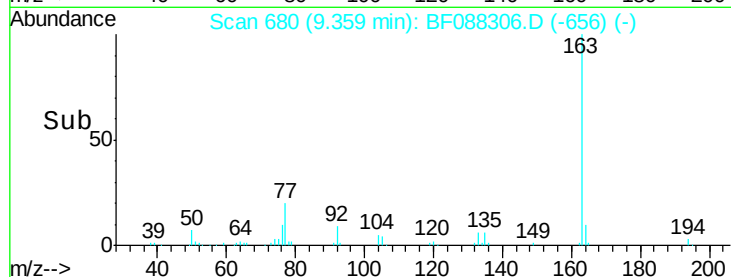
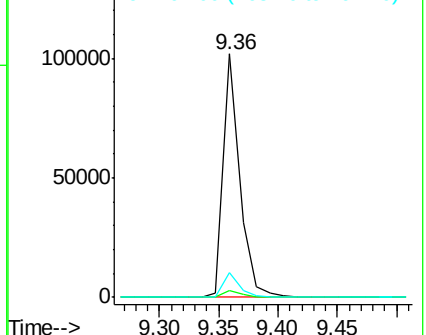
164 10.4 8.3 12.5



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: 5.89 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Tgt Ion:165 Resp: 18227

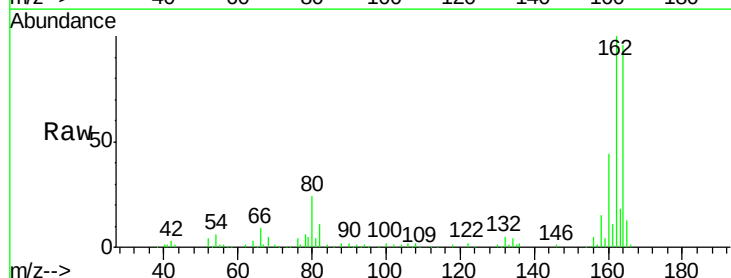
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

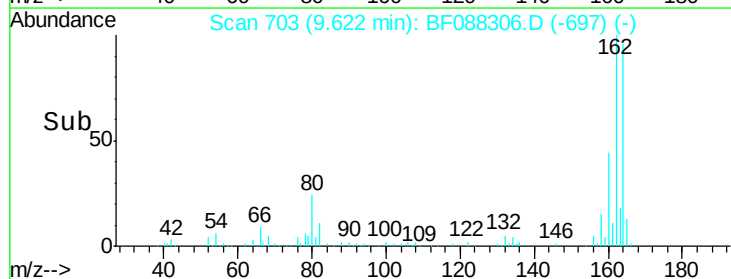
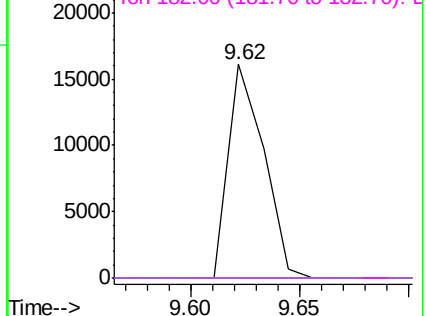


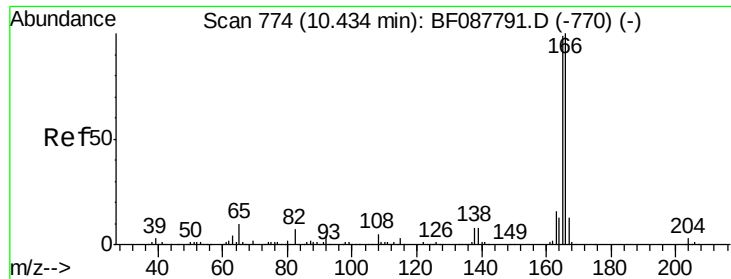
Abundance Ion 165.00 (164.70 to 165.70): E

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

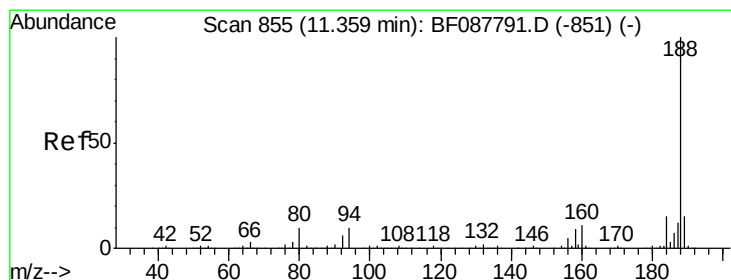
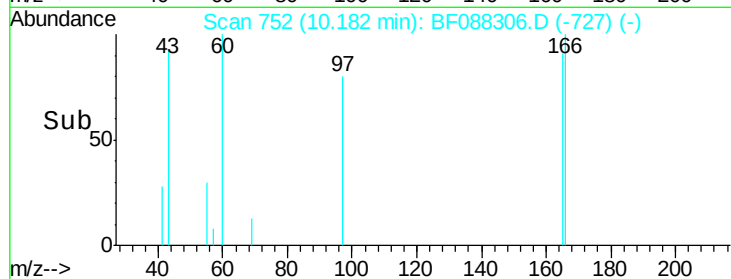
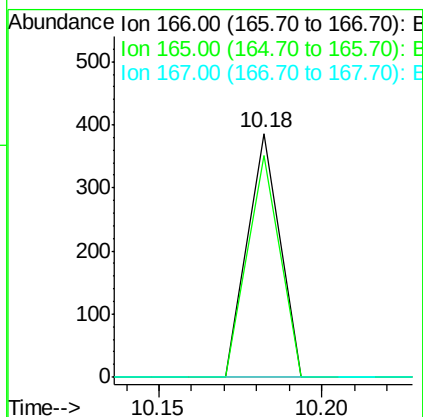
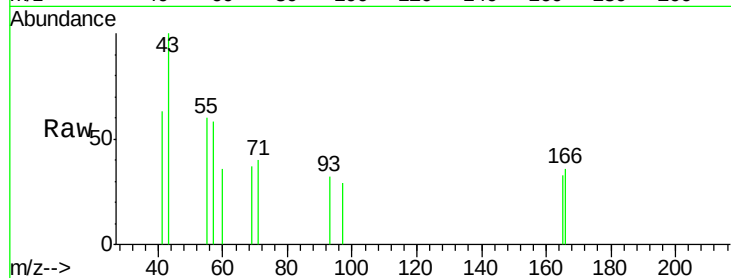




#57
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

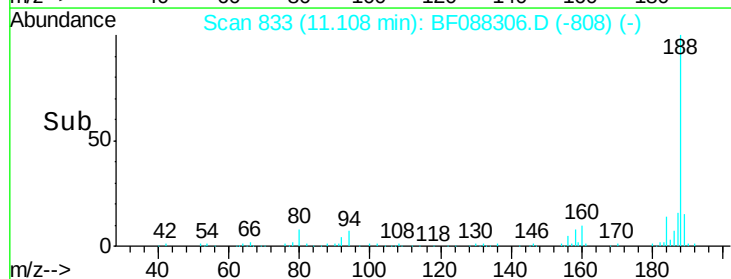
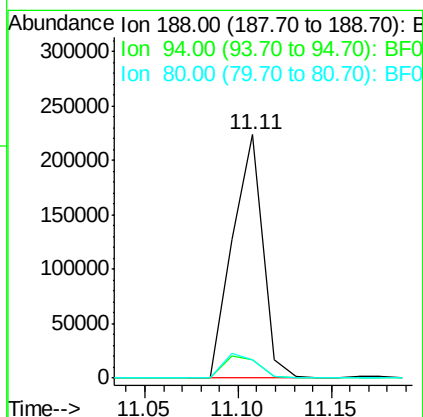
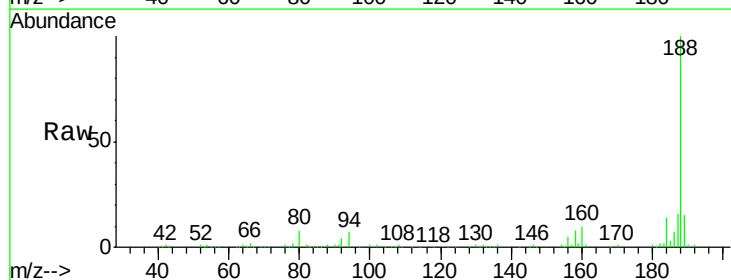
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-6)

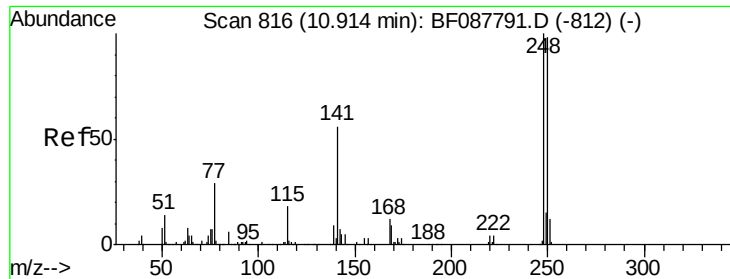
Tgt Ion:166 Resp: 265
 Ion Ratio Lower Upper
 166 100
 165 90.9 77.8 116.8
 167 0.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF088306.D
 Acq: 23 Jun 2016 23:38

Tgt Ion:188 Resp: 254450
 Ion Ratio Lower Upper
 188 100
 94 7.5 9.0 13.6#
 80 7.6 10.0 15.0#

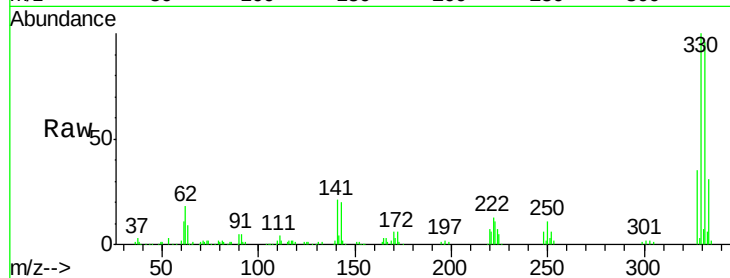




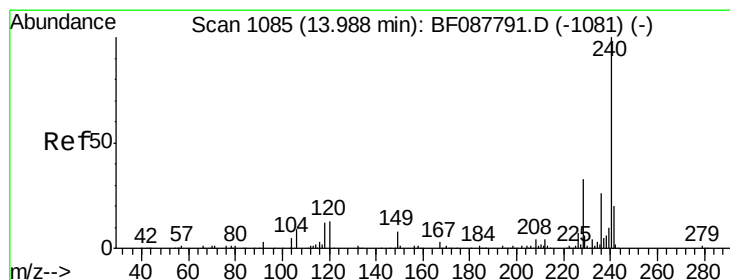
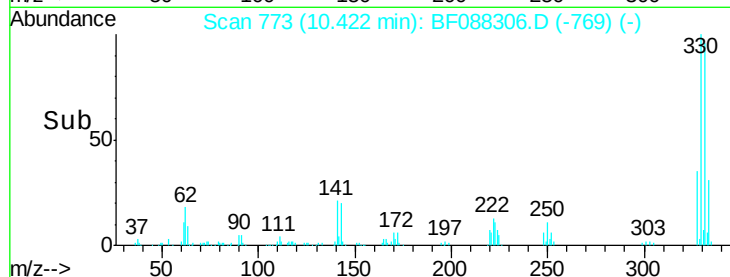
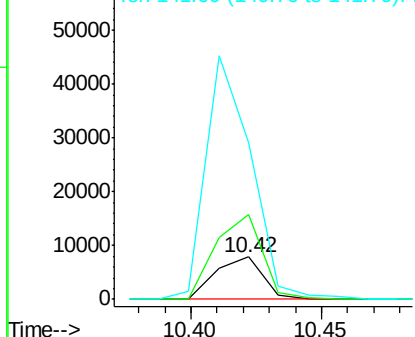
#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

Instrument :
BNA_F
ClientSampleId :
SB-1(0-6)

Tgt Ion:248 Resp: 9870
Ion Ratio Lower Upper
248 100
250 200.1 77.1 115.7#
141 371.0 50.6 76.0#

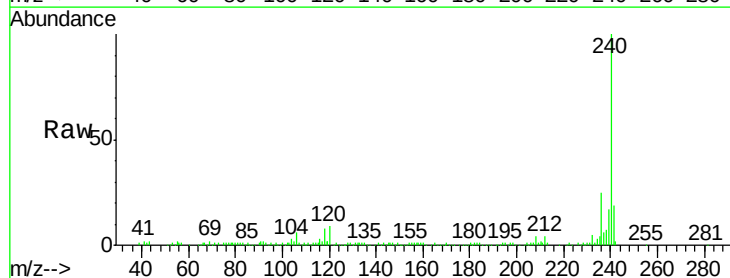


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

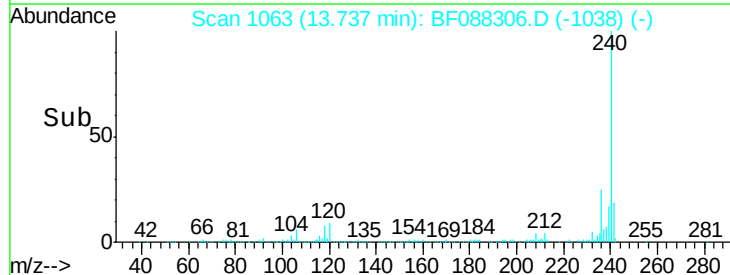
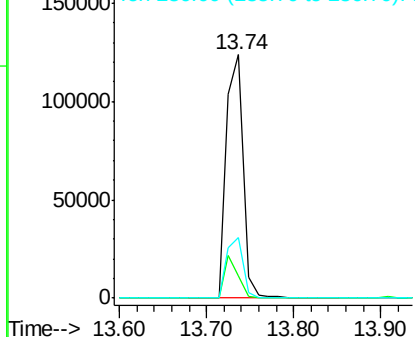


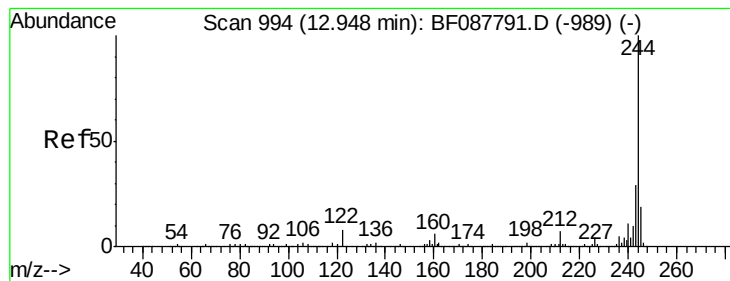
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.74 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BF088306.D
Acq: 23 Jun 2016 23:38

Tgt Ion:240 Resp: 167169
Ion Ratio Lower Upper
240 100
120 9.1 6.8 10.2
236 25.1 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: 71.32 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)

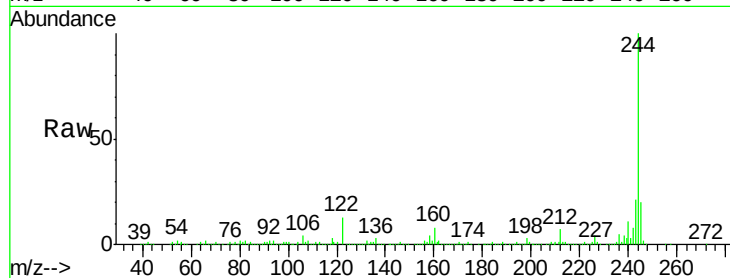
Tgt Ion:244 Resp: 523939

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

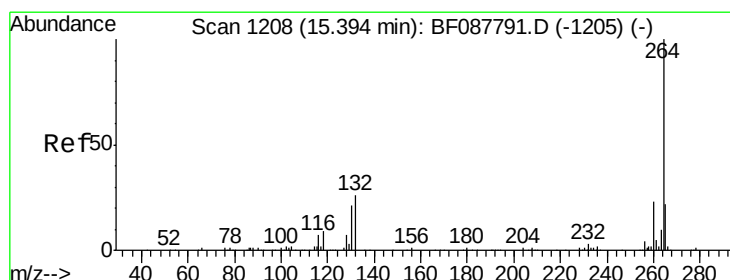
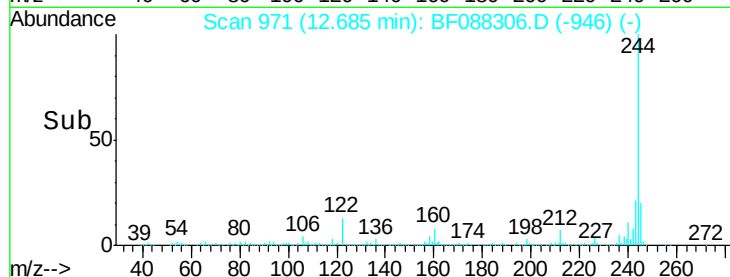
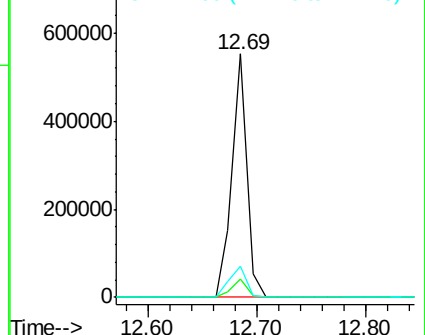
122 12.8 11.2 16.8



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: 15.09 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF088306.D

Acq: 23 Jun 2016 23:38

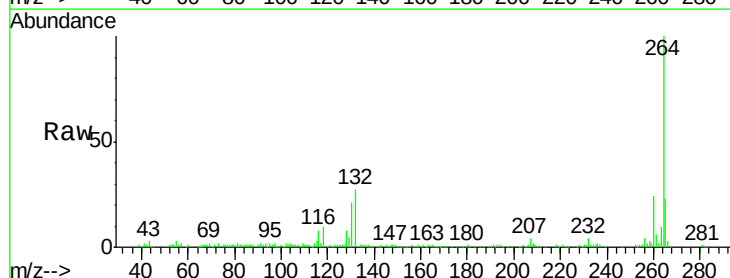
Tgt Ion:264 Resp: 156544

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

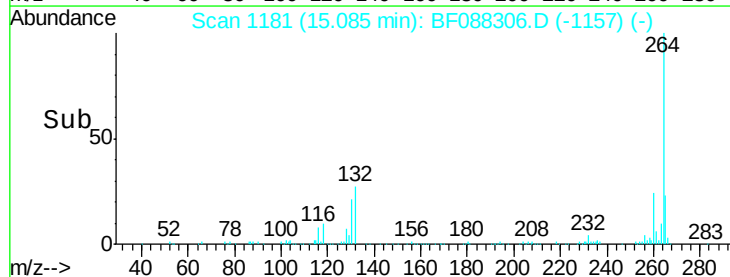
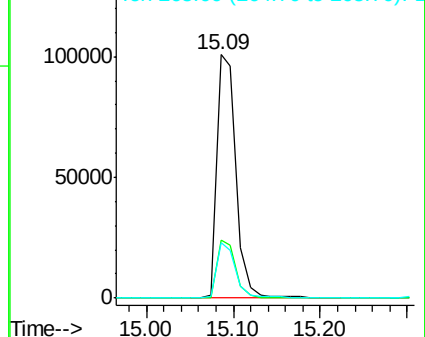
265 22.7 16.9 25.3

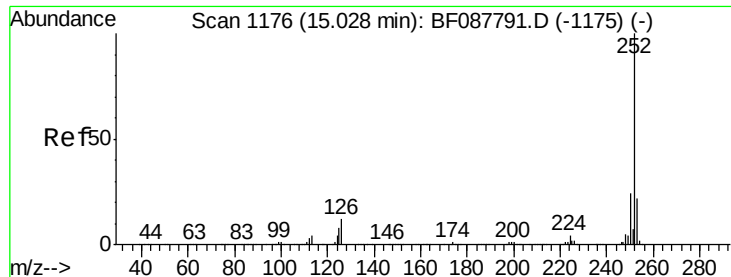


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.04 ng

RT: 14.73 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF088306.D

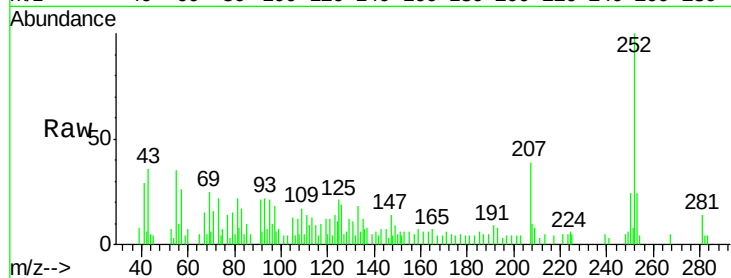
Acq: 23 Jun 2016 23:38

Instrument :

BNA_F

ClientSampleId :

SB-1(0-6)



Tgt Ion:	252	Resp:	16813
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	20.7	11.2	16.8

