

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086339.D
 Acq On : 21 Apr 2016 5:46
 Operator : UM/SJ
 Sample : H2620-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B7(0-12)-C

Quant Time: Apr 21 07:21:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 15:45:26 2016
 Response via : Initial Calibration

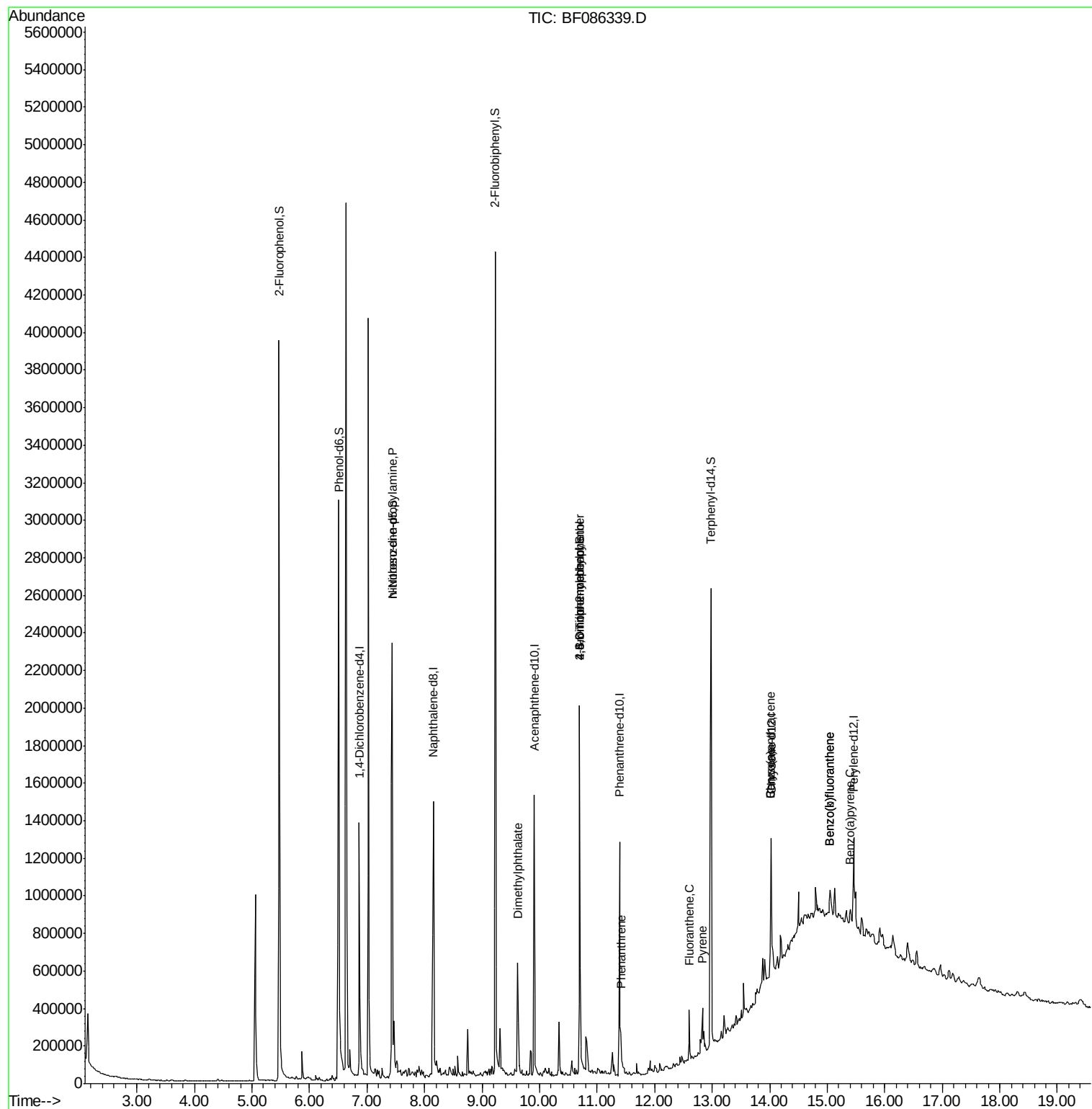
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	235934	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	866600	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	316783	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	524861	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	384200	20.00	ng	-0.02
86) Perylene-d12	15.46	264	253583	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1492960	110.40	ng	-0.01
7) Phenol-d6	6.51	99	2008052	113.48	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1185932	78.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	269347	109.09	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1468757	89.73	ng	-0.03
78) Terphenyl-d14	12.98	244	998922	61.89	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	159843	14.91	ng	# 76
49) Dimethylphthalate	9.62	163	266615	11.05	ng	100
64) 4,6-Dinitro-2-methylphenol	10.69	198	457	6.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	16283	2.89	ng	# 1
70) Phenanthrene	11.41	178	63448	2.55	ng	98
74) Fluoranthene	12.60	202	135198	5.86	ng	94
77) Pyrene	12.83	202	123589	4.34	ng	98
80) Benzo(a)anthracene	14.02	228	55322	2.73	ng	# 90
82) Chrysene	14.02	228	55322	2.53	ng	# 94
87) Benzo(b)fluoranthene	15.05	252	73686	5.02	ng	# 67
88) Benzo(k)fluoranthene	15.05	252	73686	5.97	ng	# 65
89) Benzo(a)pyrene	15.40	252	36908	2.73	ng	# 67

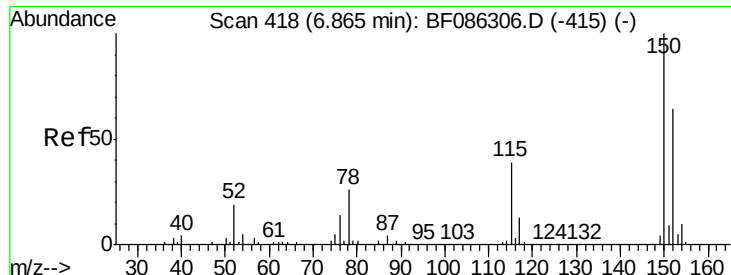
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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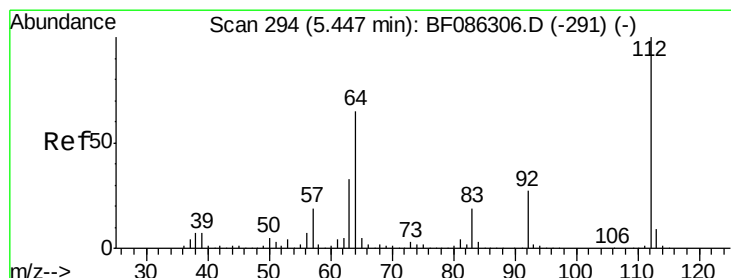
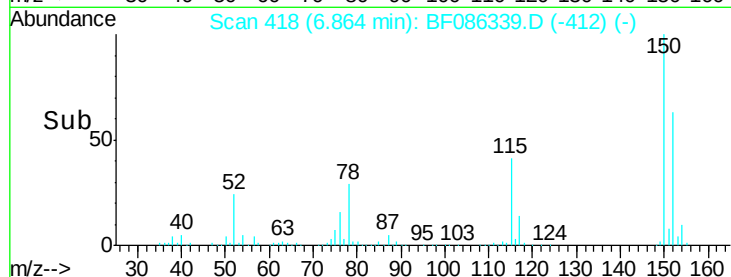
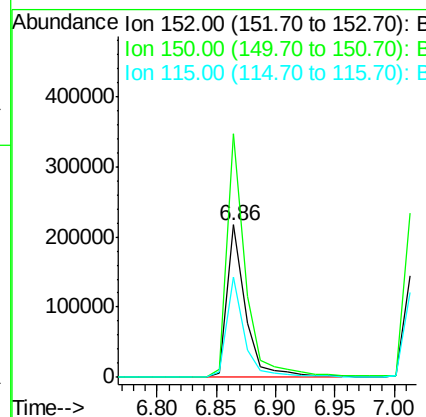
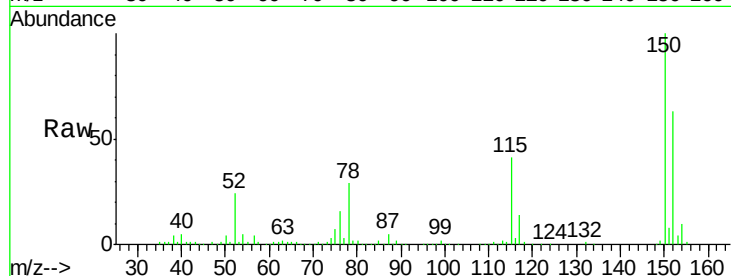




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.03 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

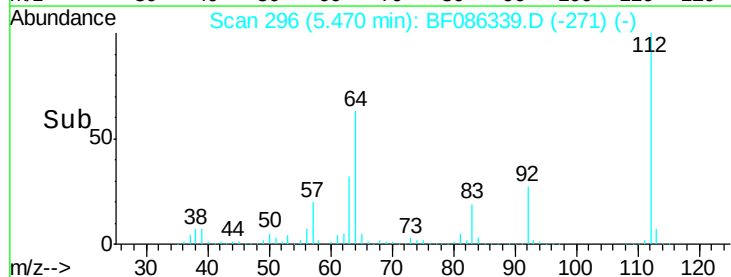
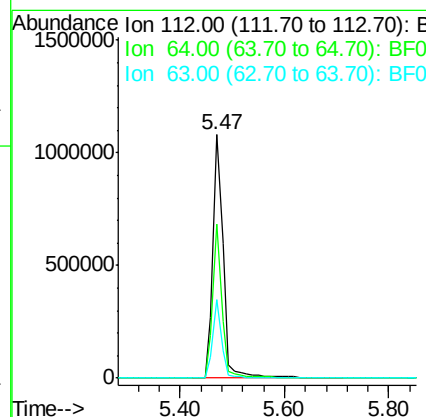
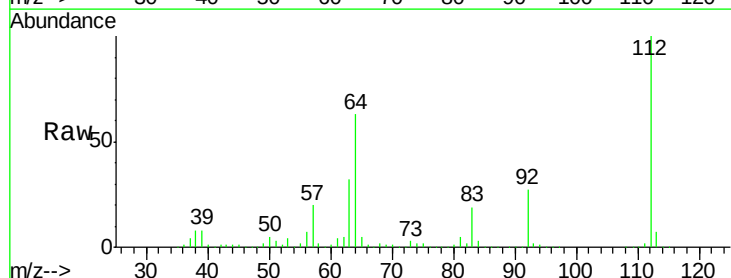
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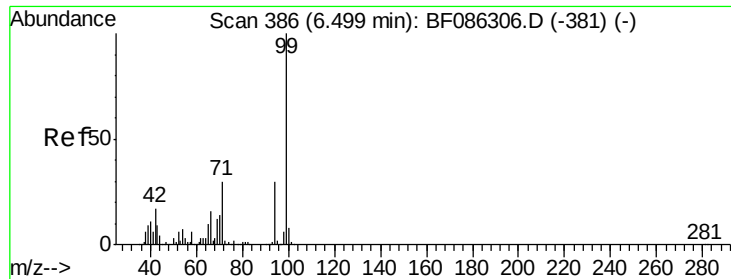
Tgt Ion:152 Resp: 235934
 Ion Ratio Lower Upper
 152 100
 150 159.9 124.1 186.1
 115 66.0 43.9 65.9#



#5
 2-Fluorophenol
 Concen: 110.40 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

Tgt Ion:112 Resp: 1492960
 Ion Ratio Lower Upper
 112 100
 64 63.2 48.1 72.1
 63 32.4 25.5 38.3





#7

Phenol-d6

Concen: 113.48 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B7(0-12)-C

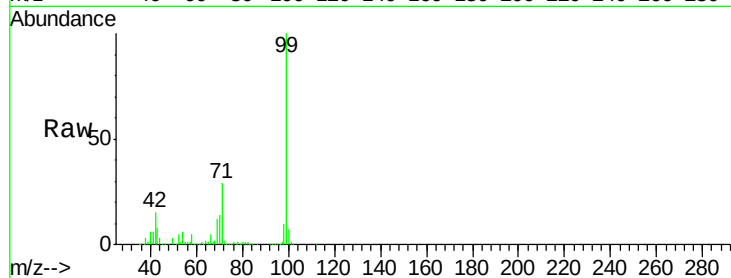
Tgt Ion: 99 Resp: 2008052

Ion Ratio Lower Upper

99 100

42 15.2 15.4 23.2#

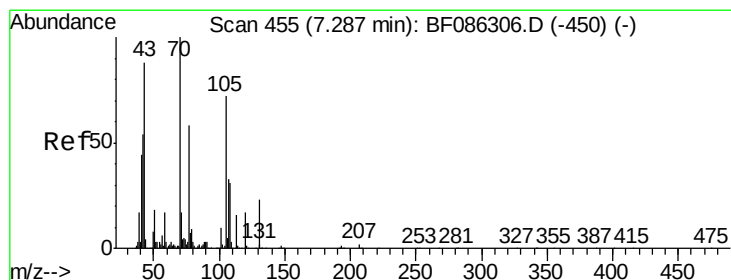
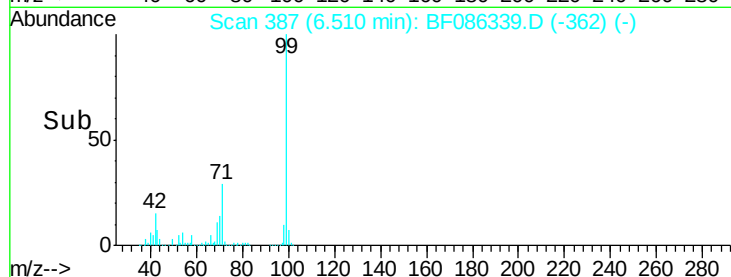
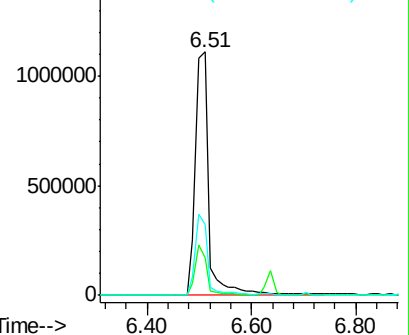
71 29.2 25.6 38.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.91 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Tgt Ion: 70 Resp: 159843

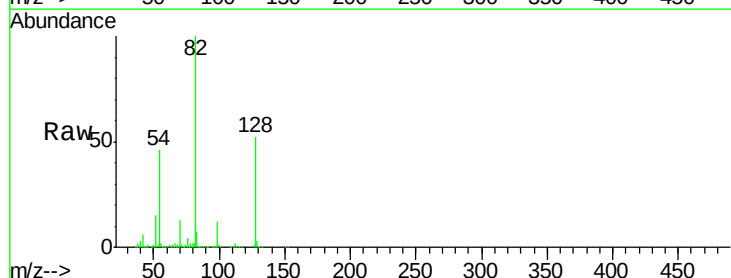
Ion Ratio Lower Upper

70 100

42 43.9 43.0 64.4

101 0.0 8.1 12.1#

130 2.4 20.1 30.1#

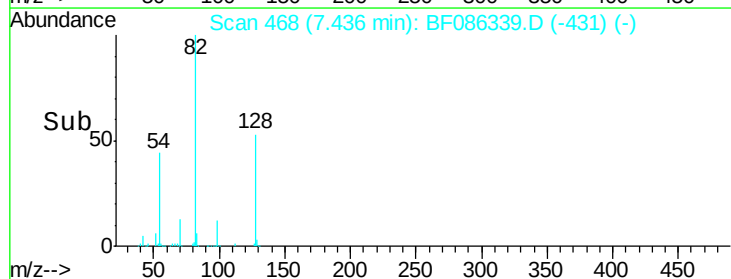
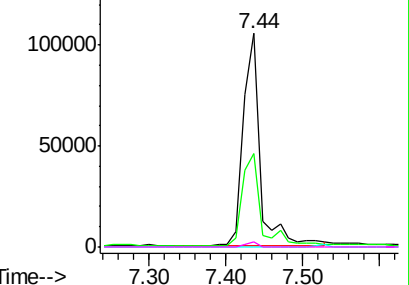


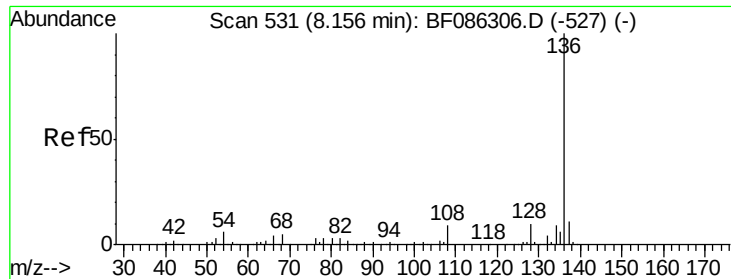
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

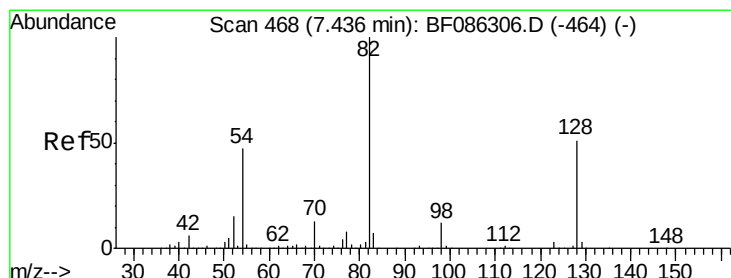
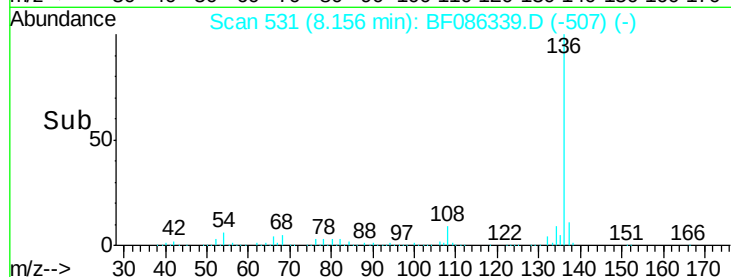
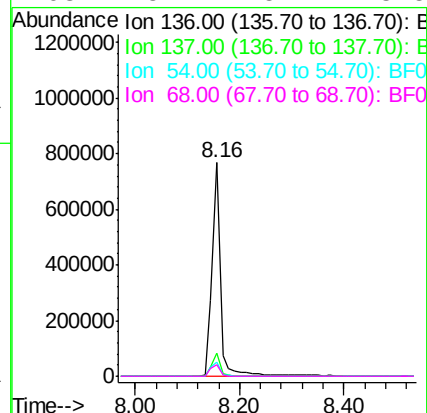
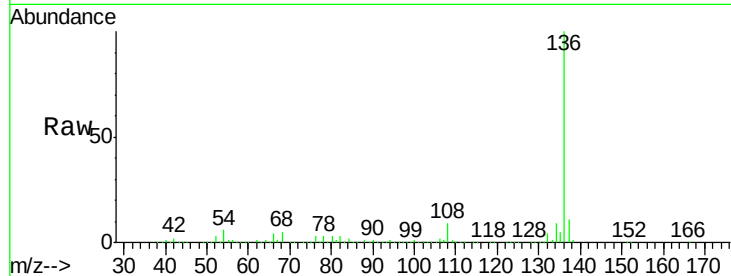




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

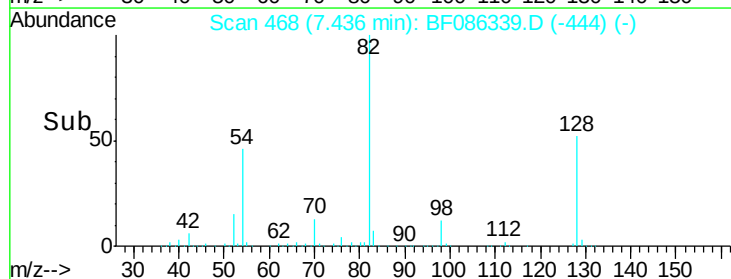
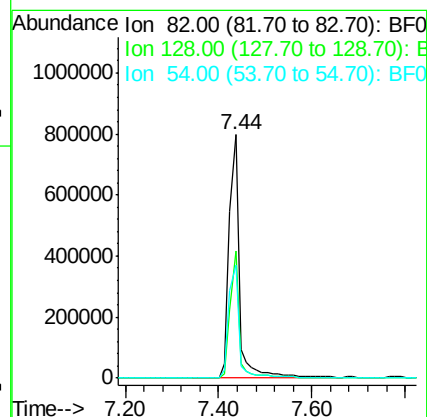
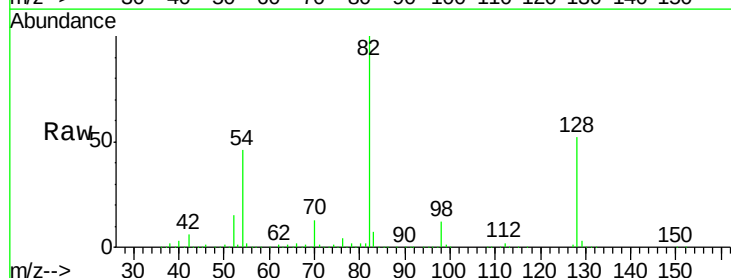
Instrument :
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EUT01-TU-B7(0-12)-C

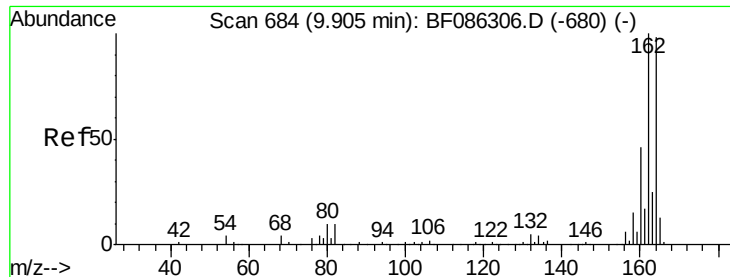
Tgt Ion:	136	Resp:	866600
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.4	7.3	10.9#
68	5.4	5.7	8.5#



#23
Nitrobenzene-d5
Concen: 78.37 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:	82	Resp:	1185932
Ion	Ratio	Lower	Upper
82	100		
128	52.4	35.4	53.2
54	46.5	43.4	65.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B7(0-12)-C

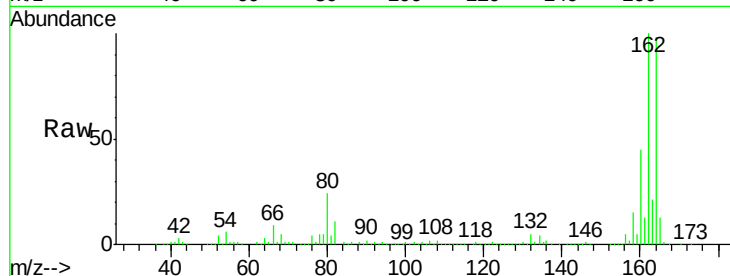
Tgt Ion:164 Resp: 316783

Ion Ratio Lower Upper

164 100

162 102.0 82.8 124.2

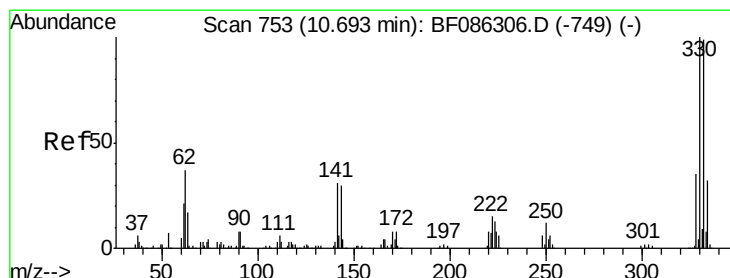
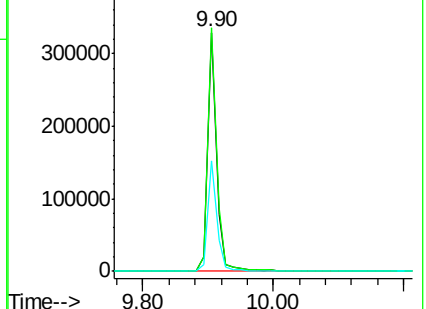
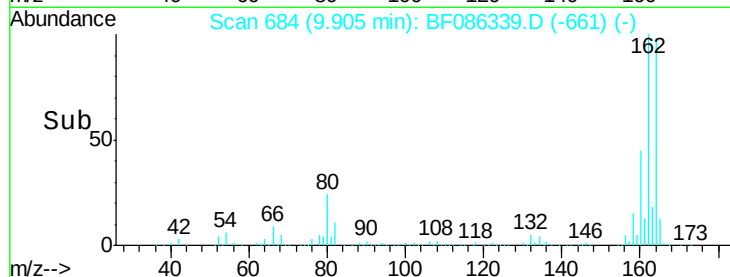
160 46.0 38.9 58.3



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: 109.09 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

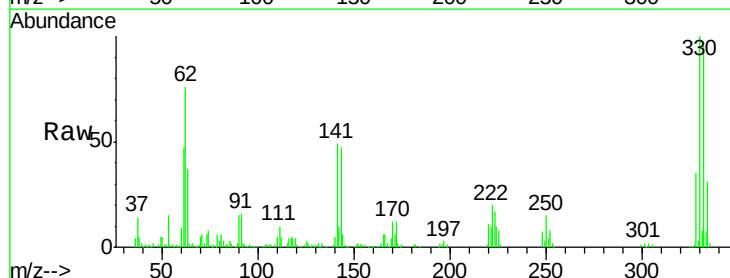
Tgt Ion:330 Resp: 269347

Ion Ratio Lower Upper

330 100

332 96.1 78.7 118.1

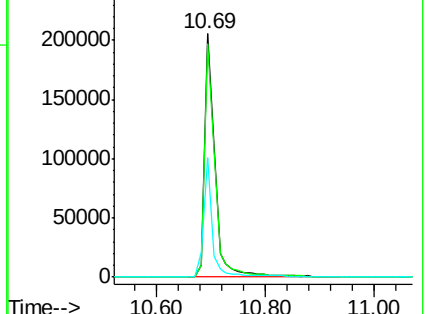
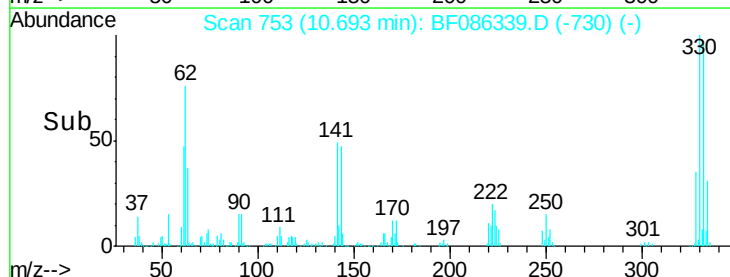
141 40.6 28.6 42.8

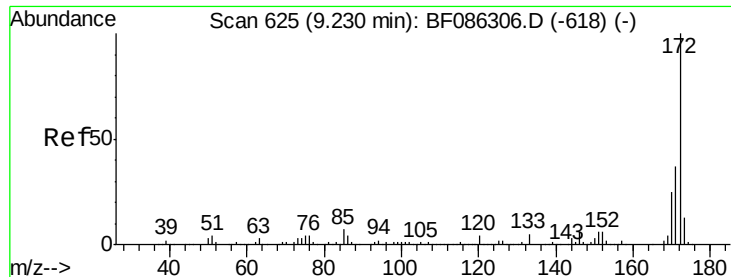


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

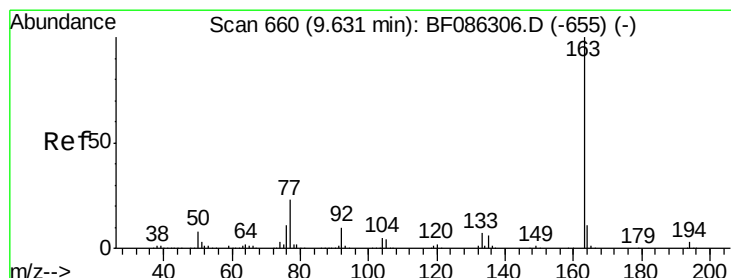
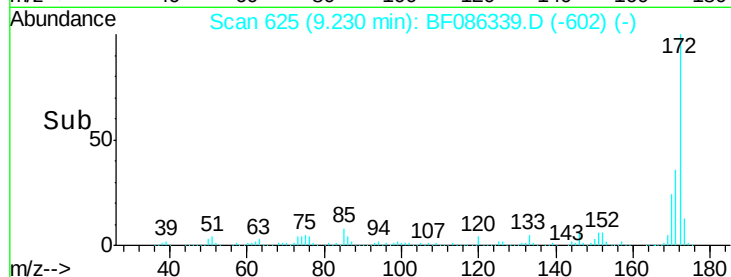
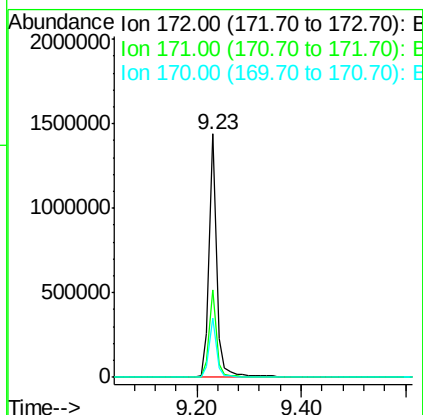
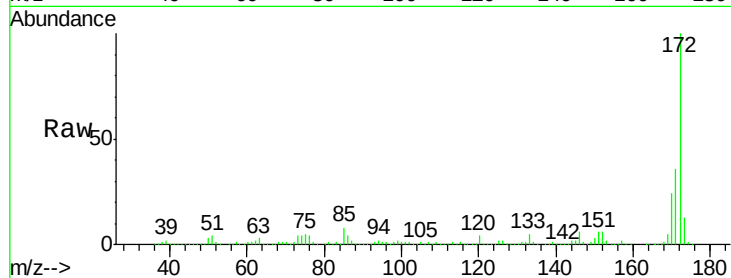




#44
 2-Fluorobiphenyl
 Concen: 89.73 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

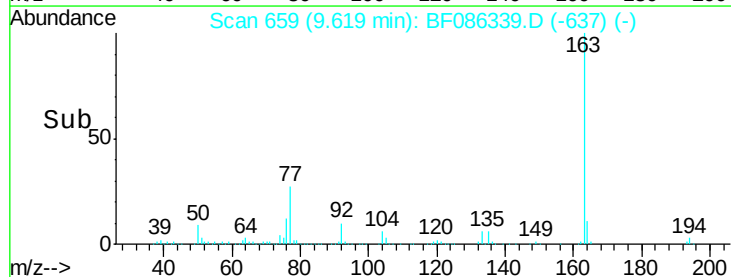
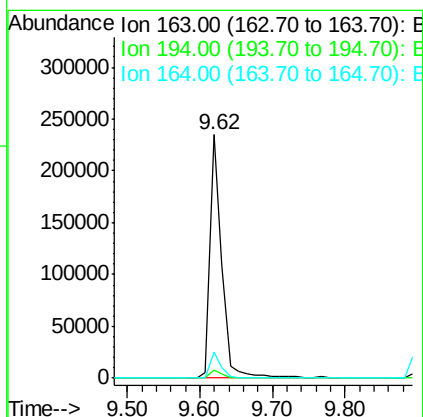
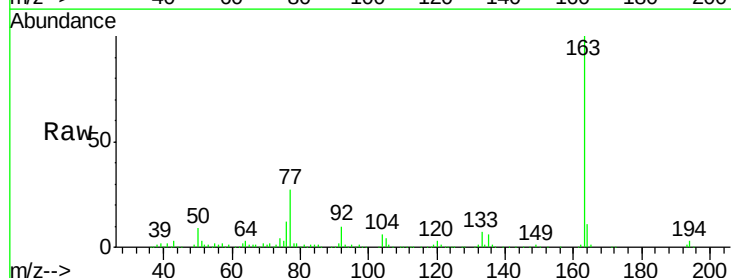
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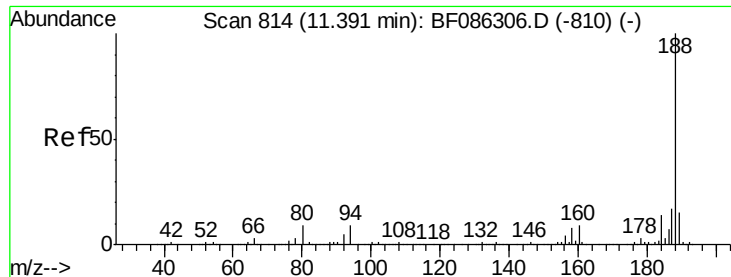
Tgt Ion:172 Resp: 1468757
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.1 43.7
 170 24.5 19.9 29.9



#49
 Dimethylphthalate
 Concen: 11.05 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.05 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

Tgt Ion:163 Resp: 266615
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 10.6 8.4 12.6

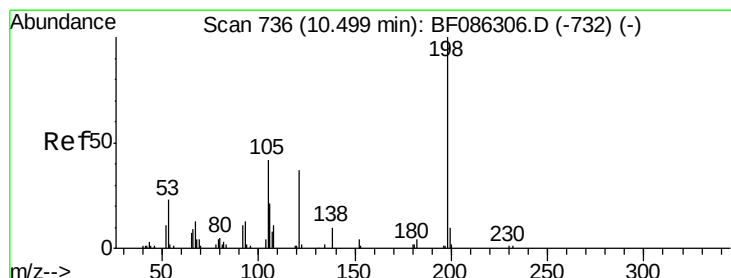
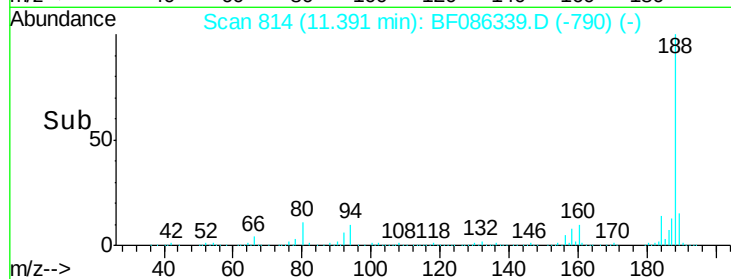
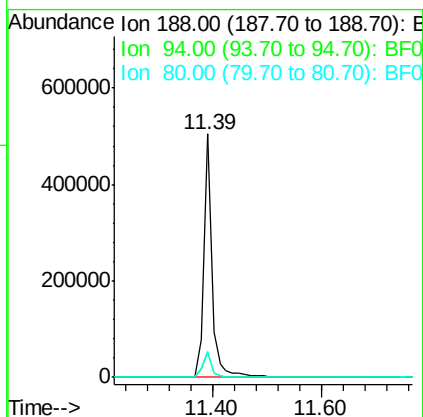
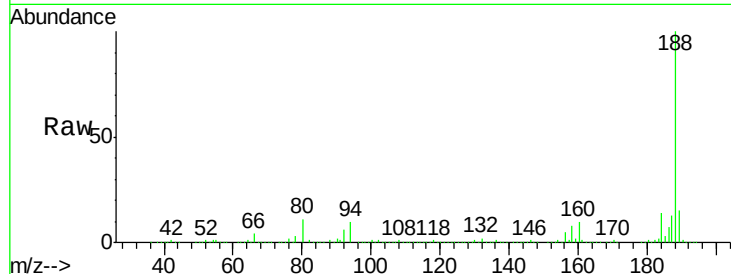




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

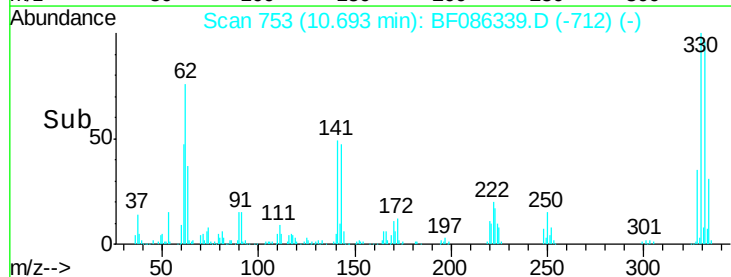
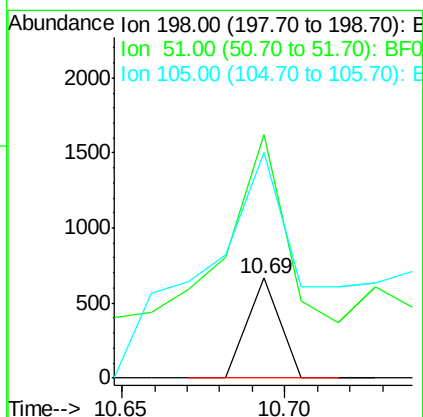
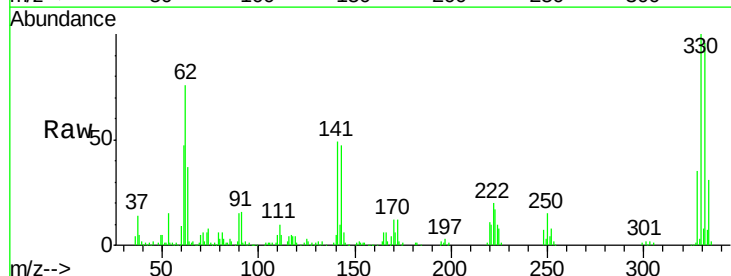
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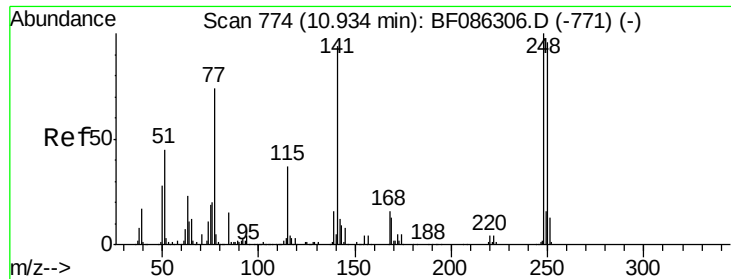
Tgt Ion:188 Resp: 524861
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.8 14.8
 80 10.9 10.5 15.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.30 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.17 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

Tgt Ion:198 Resp: 457
 Ion Ratio Lower Upper
 198 100
 51 243.2 56.5 96.5#
 105 225.2 48.0 88.0#

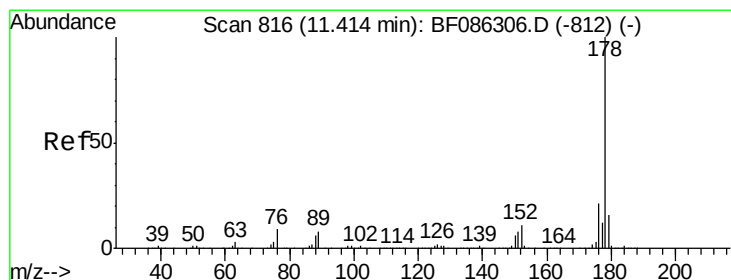
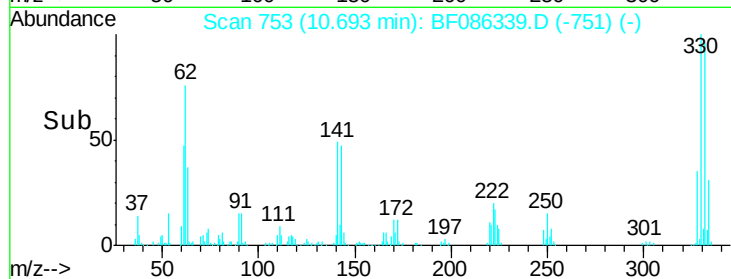
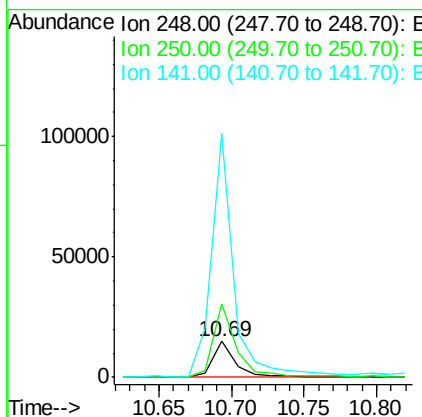
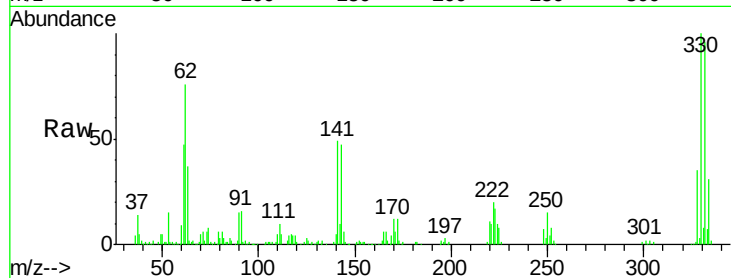




#66
 4-Bromophenyl-phenylether
 Concen: 2.89 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.27 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

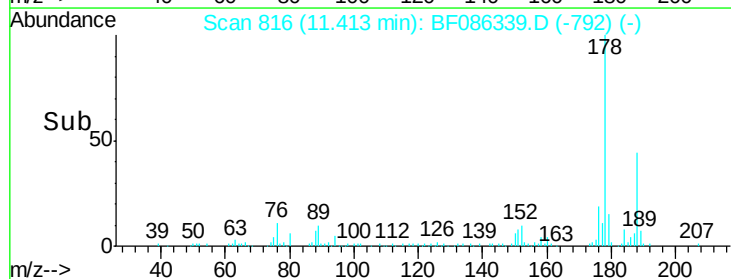
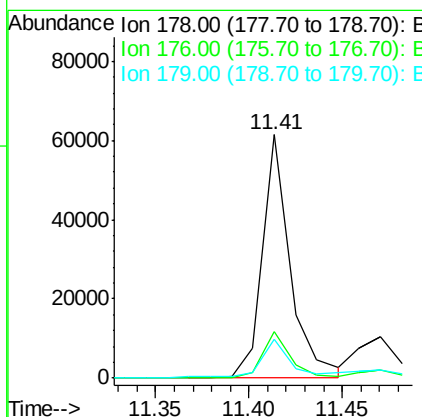
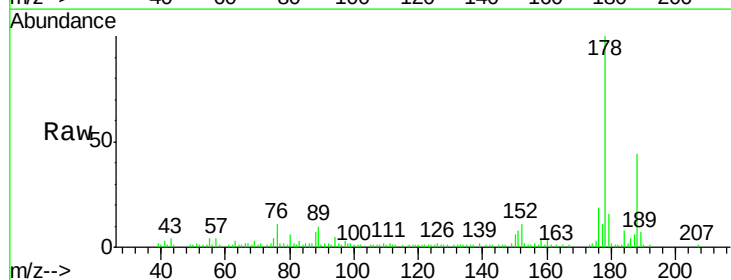
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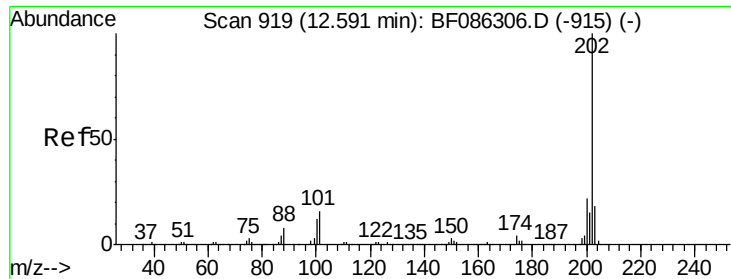
Tgt Ion:248 Resp: 16283
 Ion Ratio Lower Upper
 248 100
 250 205.1 78.6 118.0#
 141 675.3 57.9 86.9#



#70
 Phenanthrene
 Concen: 2.55 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF086339.D
 Acq: 21 Apr 2016 5:46

Tgt Ion:178 Resp: 63448
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.3 24.5
 179 16.1 13.0 19.6





#74

Fluoranthene

Concen: 5.86 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B7(0-12)-C

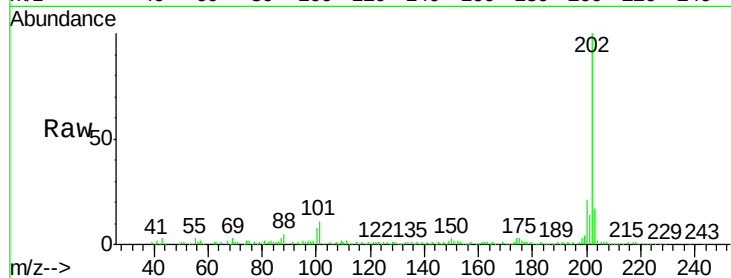
Tgt Ion:202 Resp: 135198

Ion Ratio Lower Upper

202 100

101 10.9 0.0 35.2

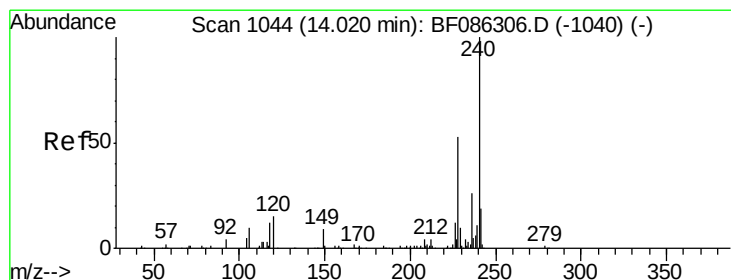
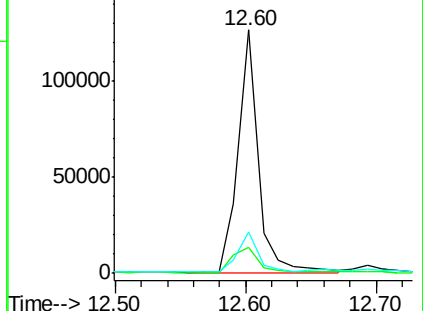
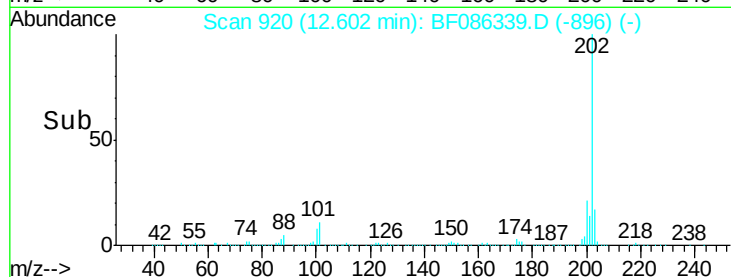
203 17.0 0.0 38.2



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: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

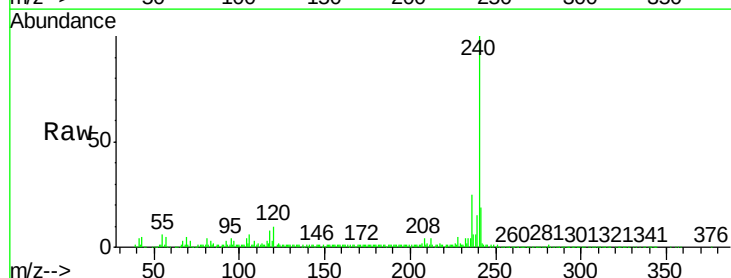
Tgt Ion:240 Resp: 384200

Ion Ratio Lower Upper

240 100

120 10.2 9.3 13.9

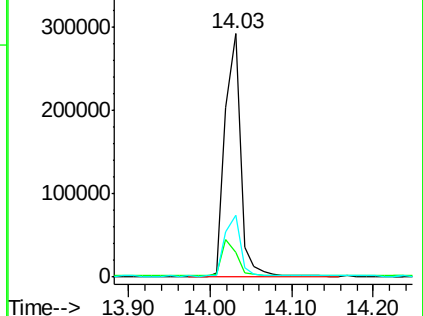
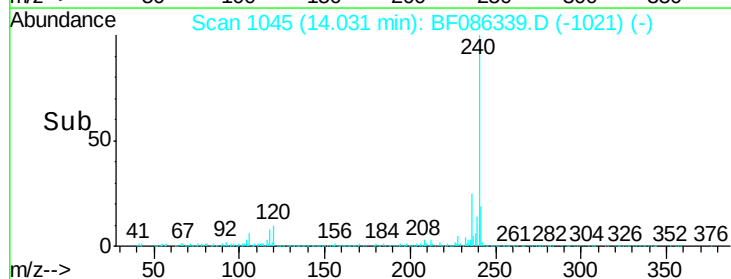
236 25.4 21.1 31.7

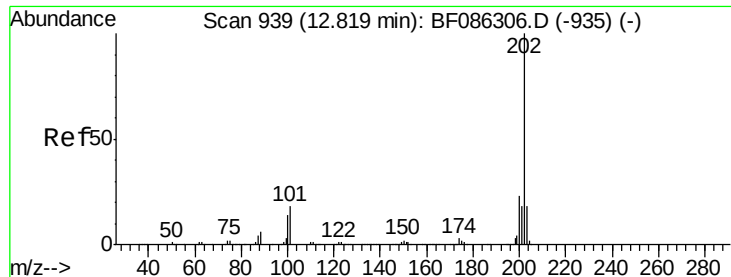


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.34 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B7(0-12)-C

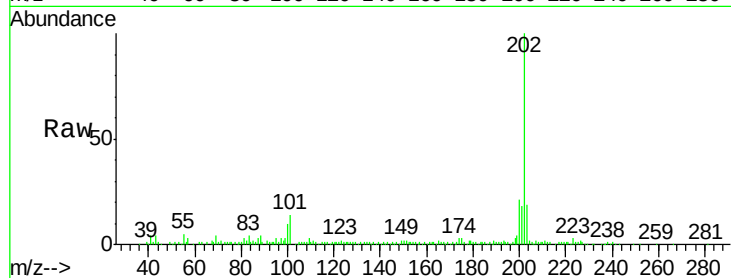
Tgt Ion:202 Resp: 123589

Ion Ratio Lower Upper

202 100

200 21.0 18.3 27.5

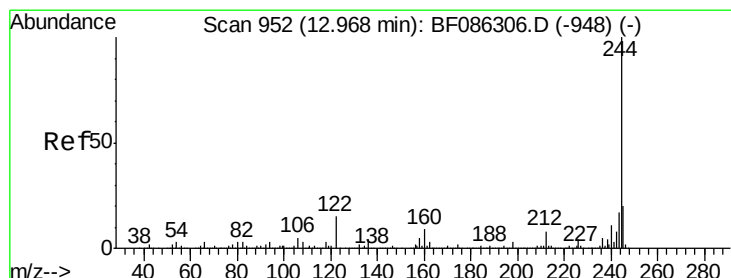
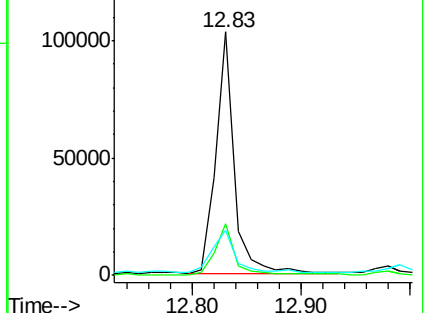
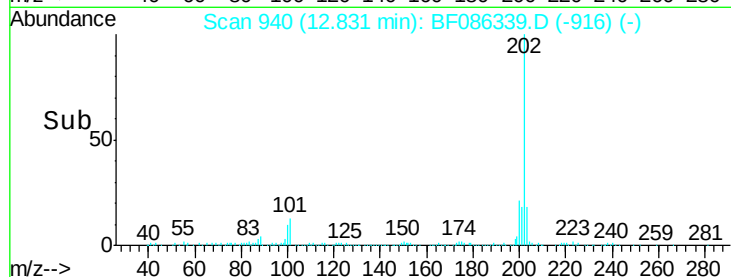
203 18.6 14.9 22.3



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: 61.89 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

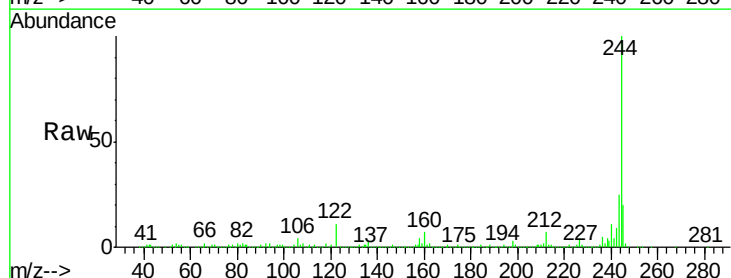
Tgt Ion:244 Resp: 998922

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

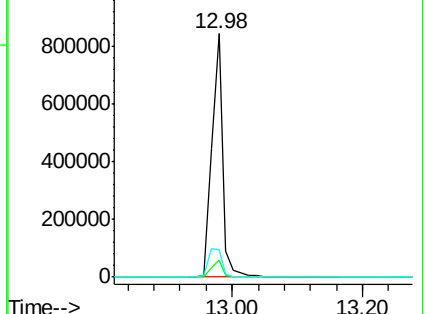
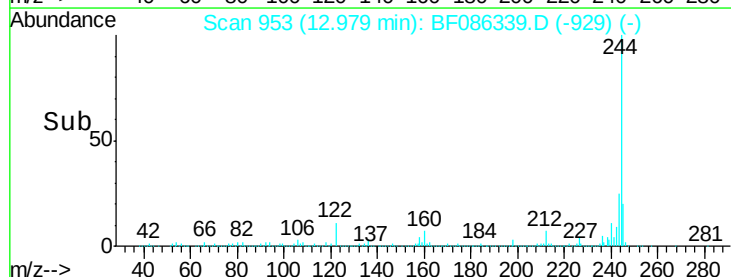
122 11.2 11.7 17.5#

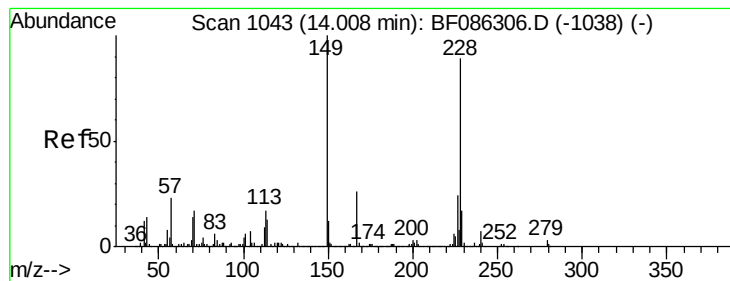


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.73 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B7(0-12)-C

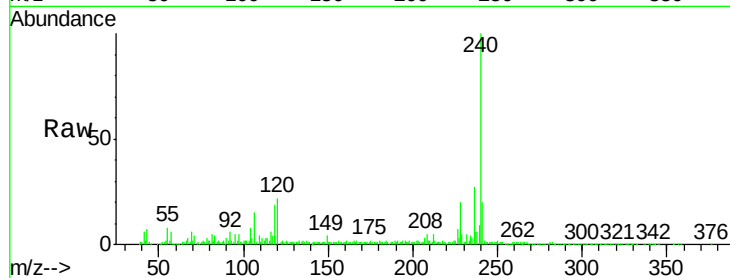
Tgt Ion:228 Resp: 55322

Ion Ratio Lower Upper

228 100

226 33.5 22.5 33.7

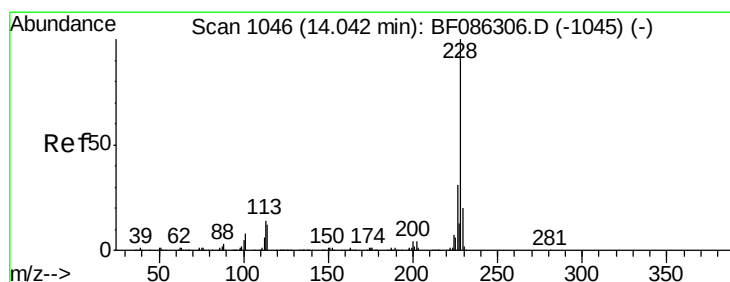
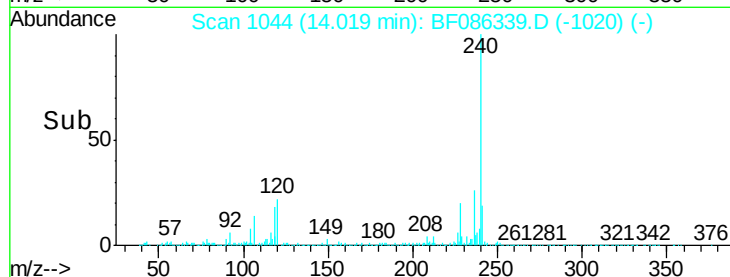
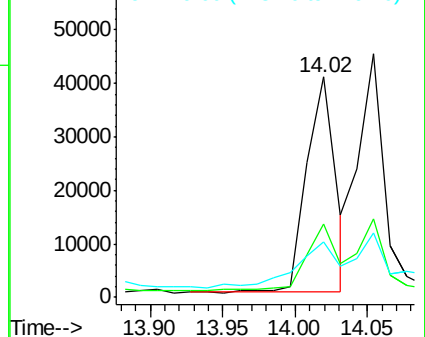
229 25.1 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.53 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.06 min

Lab File: BF086339.D

Acq: 21 Apr 2016 5:46

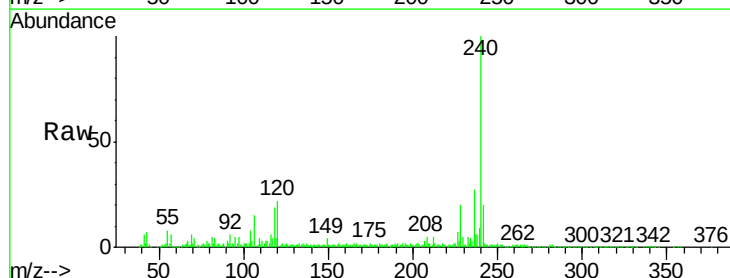
Tgt Ion:228 Resp: 55322

Ion Ratio Lower Upper

228 100

226 33.5 25.4 38.2

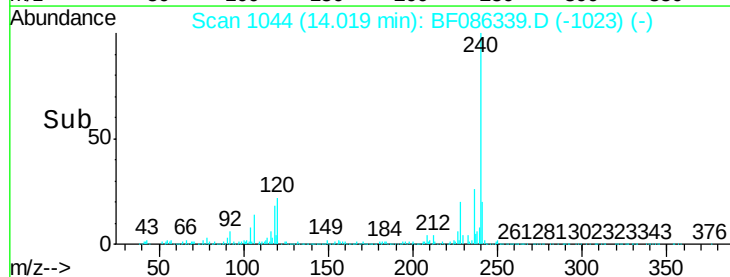
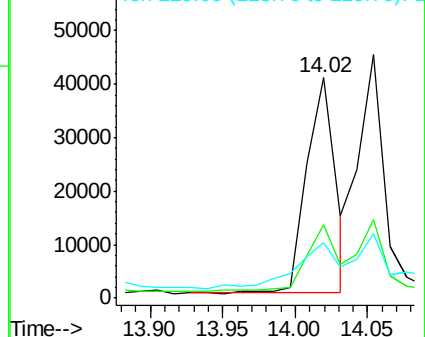
229 25.1 16.5 24.7#

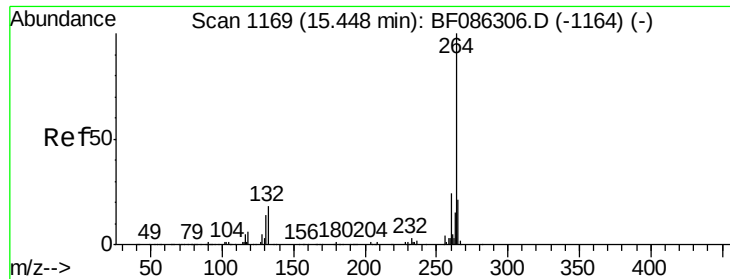


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

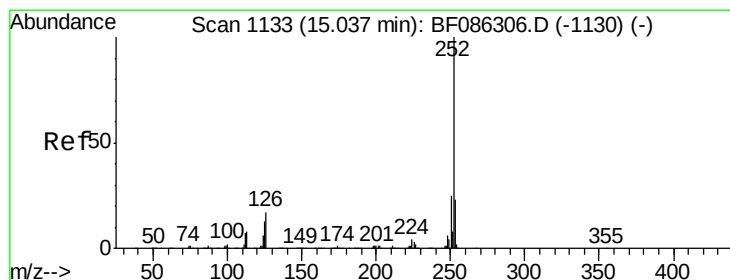
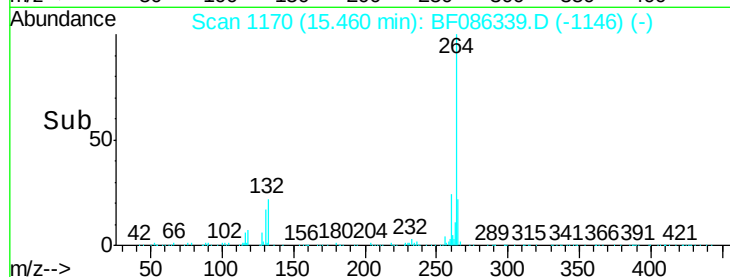
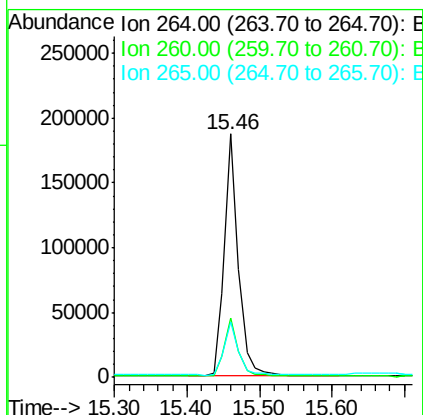
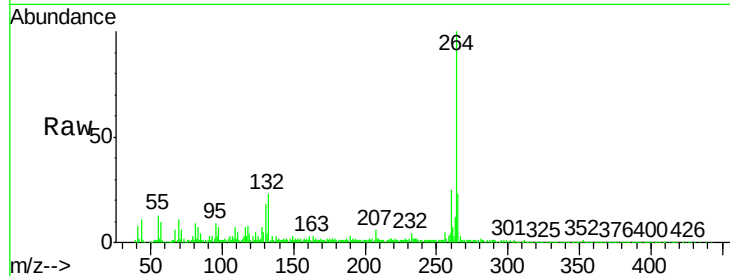




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

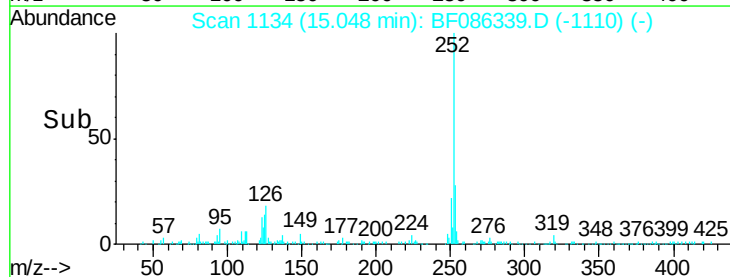
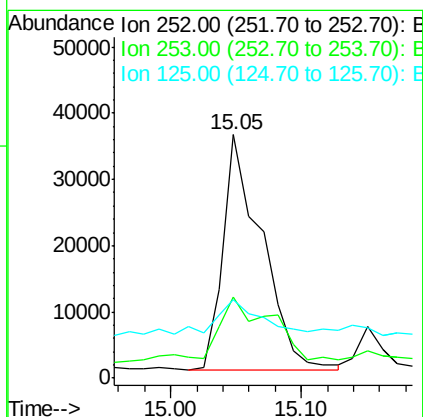
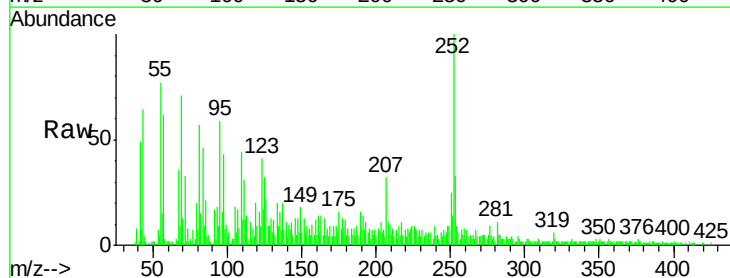
Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

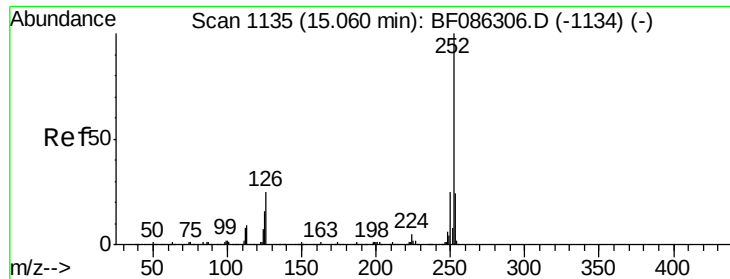
Tgt Ion:	264	Resp:	253583
Ion Ratio	Lower	Upper	
264	100		
260	24.6	20.0	30.0
265	22.8	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 5.02 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:	252	Resp:	73686
Ion Ratio	Lower	Upper	
252	100		
253	33.2	17.7	26.5#
125	32.2	10.3	15.5#

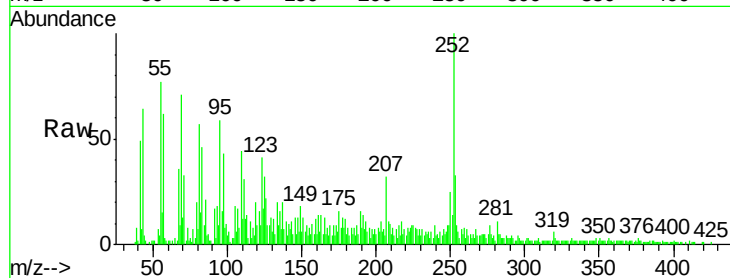




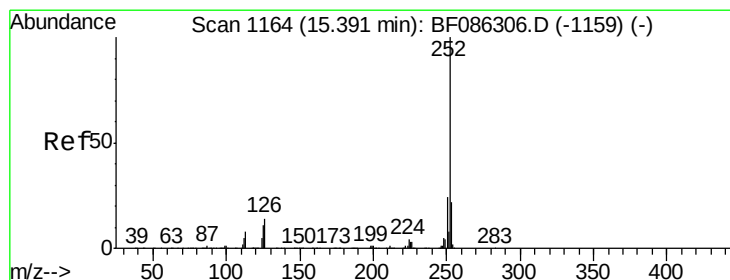
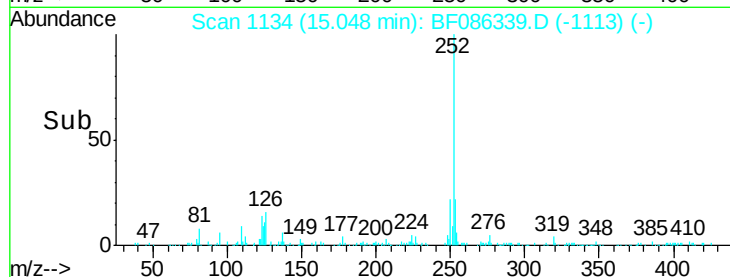
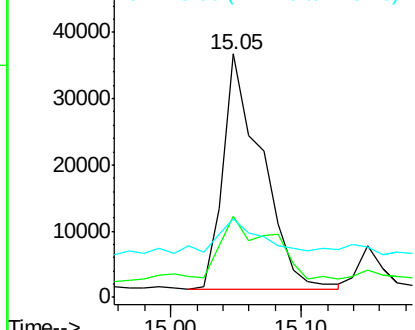
#88
Benzo(k)fluoranthene
Concen: 5.97 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

Tgt Ion: 252 Resp: 73686
Ion Ratio Lower Upper
252 100
253 33.2 17.5 26.3#
125 32.2 7.8 11.6#

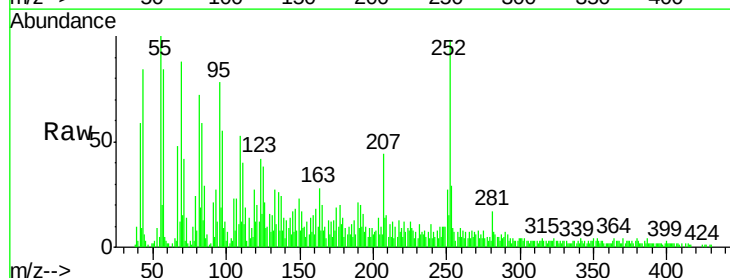


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.73 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion: 252 Resp: 36908
Ion Ratio Lower Upper
252 100
253 30.1 17.8 26.8#
125 38.4 11.2 16.8#



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

