

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086333.D
 Acq On : 21 Apr 2016 2:55
 Operator : UM/SJ
 Sample : H2620-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

Quant Time: Apr 21 05:15:12 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

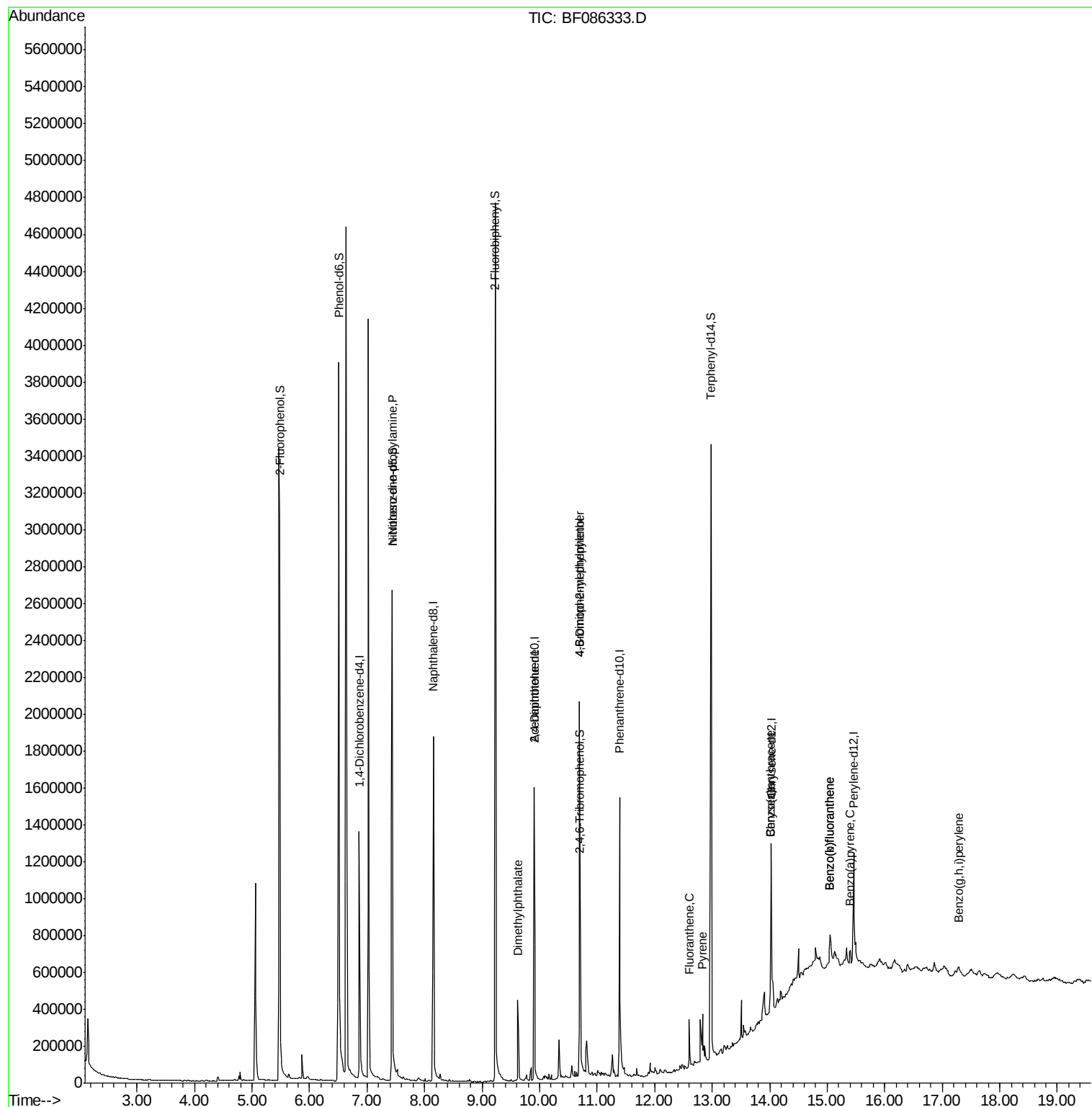
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	253721	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1012331	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	369265	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	618324	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	416005	20.00	ng	-0.02
86) Perylene-d12	15.46	264	303211	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1577433	108.47	ng	0.00
7) Phenol-d6	6.51	99	2077524	109.17	ng	-0.01
23) Nitrobenzene-d5	7.44	82	1222518	69.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	305947	106.30	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1638656	84.77	ng	-0.03
78) Terphenyl-d14	12.98	244	1135932	65.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	160288	13.91	ng	# 76
49) Dimethylphthalate	9.62	163	251762	8.95	ng	# 99
56) 2,4-Dinitrotoluene	9.90	165	48376	6.73	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.69	198	704	6.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	18808	2.83	ng	# 1
74) Fluoranthene	12.60	202	114605	4.22	ng	# 97
77) Pyrene	12.83	202	120632	3.91	ng	# 96
80) Benzo(a)anthracene	14.02	228	79114	3.61	ng	# 88
82) Chrysene	14.02	228	79114	3.34	ng	# 93
87) Benzo(b)fluoranthene	15.05	252	110647	6.31	ng	# 92
88) Benzo(k)fluoranthene	15.05	252	110647	7.49	ng	# 89
89) Benzo(a)pyrene	15.40	252	52424	3.24	ng	# 90
91) Benzo(g,h,i)perylene	17.29	276	35741	2.64	ng	# 87

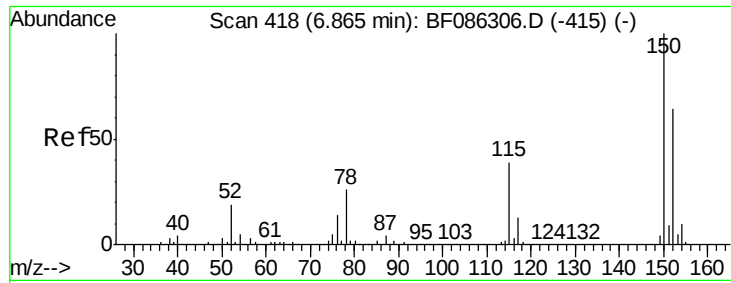
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

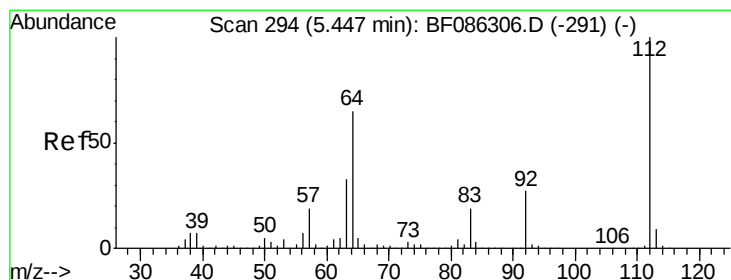
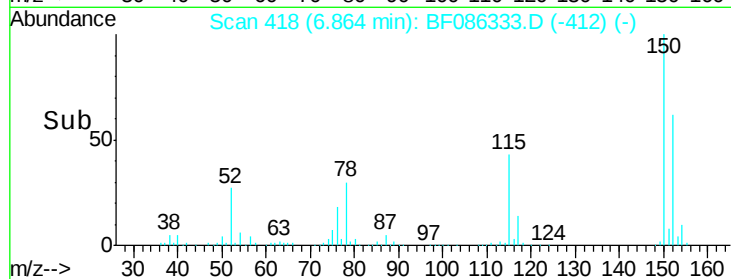
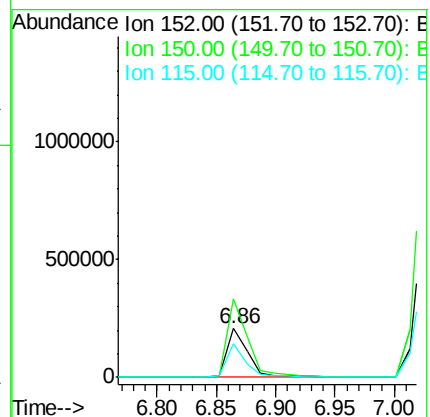
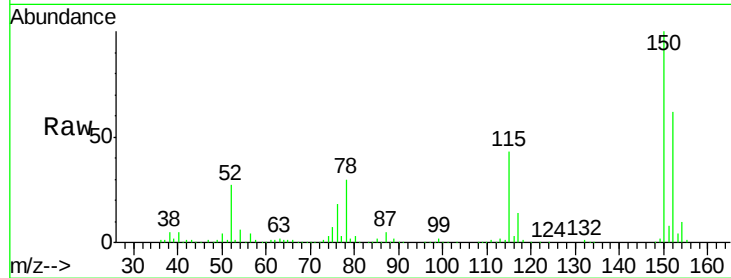
Tgt Ion:152 Resp: 253721

Ion Ratio Lower Upper

152 100

150 161.1 124.1 186.1

115 69.9 43.9 65.9#



#5

2-Fluorophenol

Concen: 108.47 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

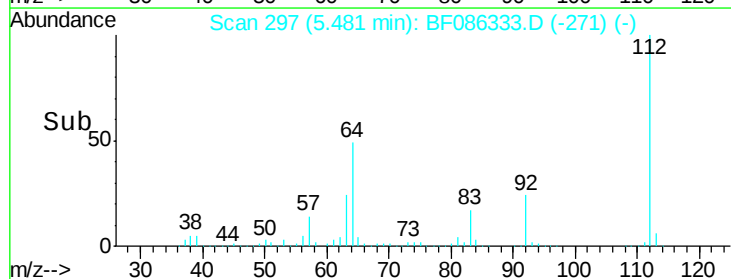
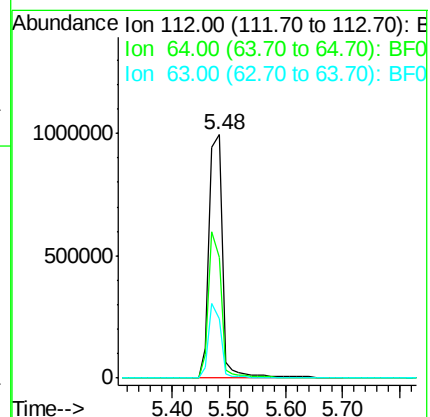
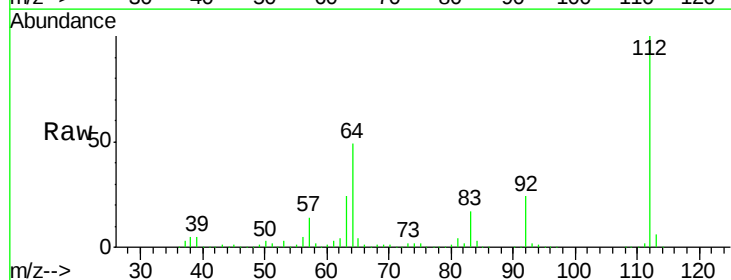
Tgt Ion:112 Resp: 1577433

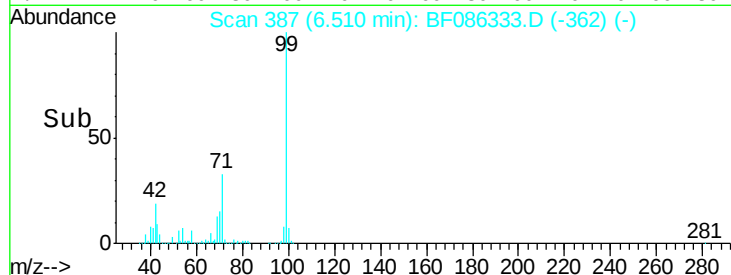
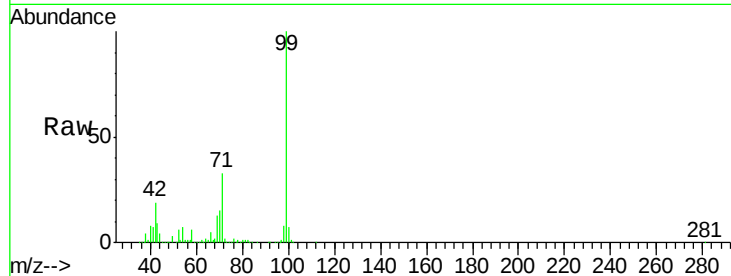
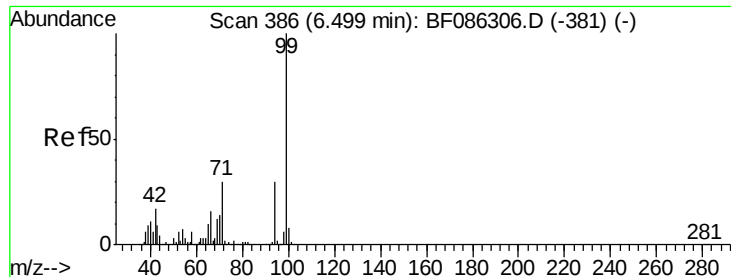
Ion Ratio Lower Upper

112 100

64 49.4 48.1 72.1

63 24.4 25.5 38.3#





#7

Phenol-d6

Concen: 109.17 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

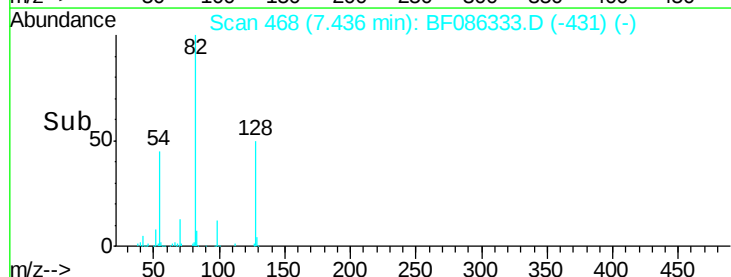
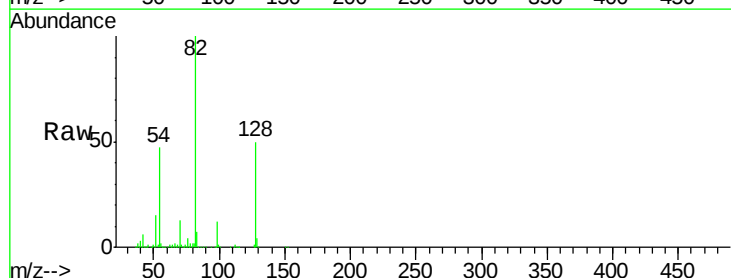
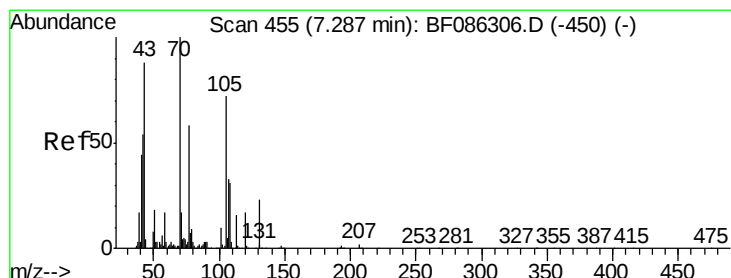
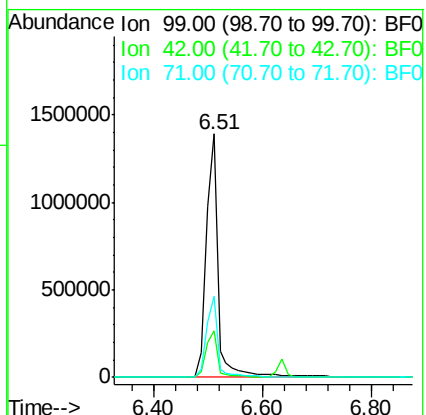
Tgt Ion: 99 Resp: 2077524

Ion Ratio Lower Upper

99 100

42 18.9 15.4 23.2

71 33.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.91 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.13 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Tgt Ion: 70 Resp: 160288

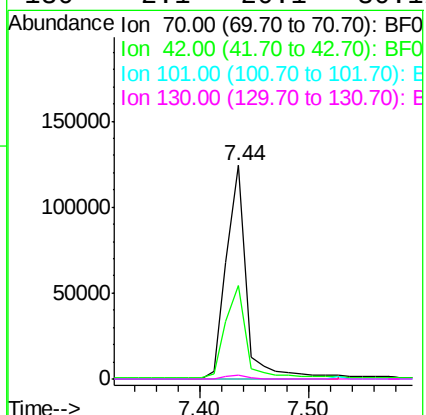
Ion Ratio Lower Upper

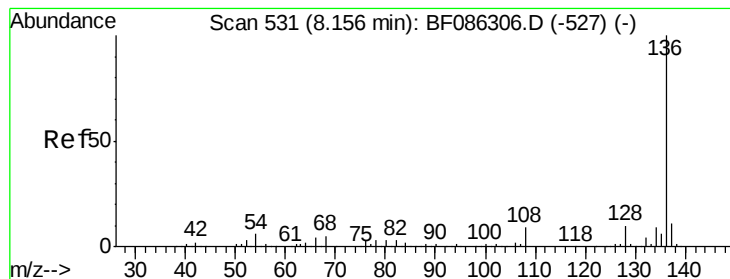
70 100

42 43.9 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 20.1 30.1#

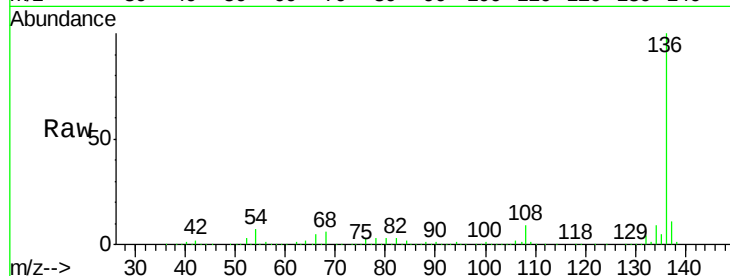




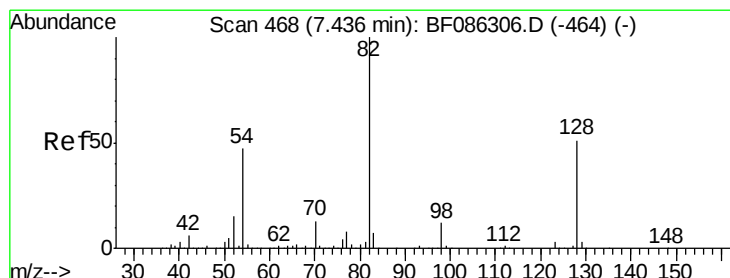
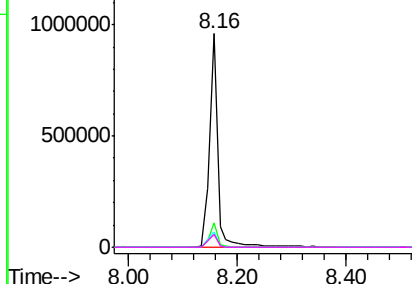
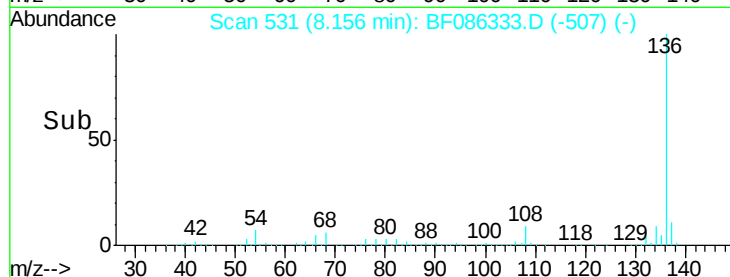
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tgt Ion: 136 Resp: 1012331
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 6.9 7.3 10.9#
68 6.0 5.7 8.5

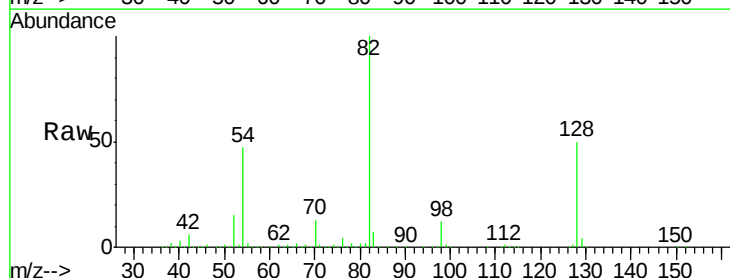


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

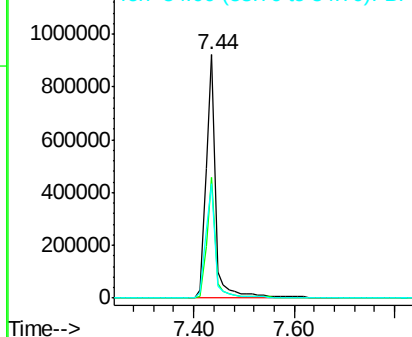
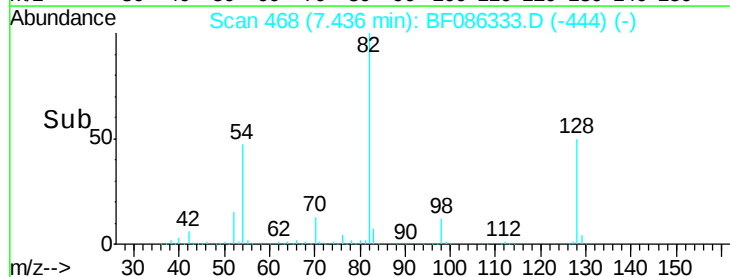


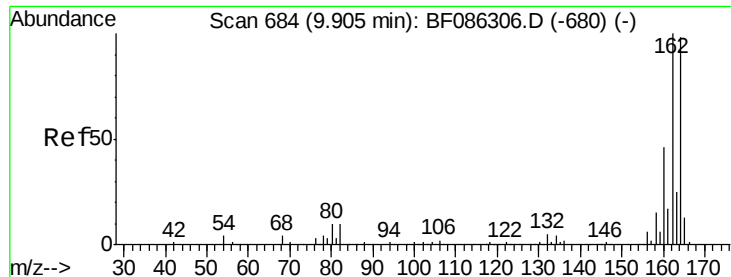
#23
Nitrobenzene-d5
Concen: 69.16 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Tgt Ion: 82 Resp: 1222518
Ion Ratio Lower Upper
82 100
128 49.8 35.4 53.2
54 46.7 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
1200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

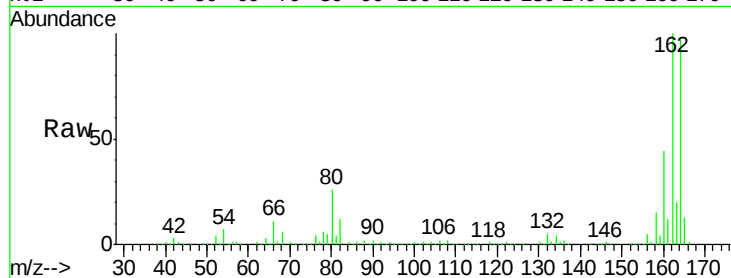
Tgt Ion:164 Resp: 369265

Ion Ratio Lower Upper

164 100

162 102.7 82.8 124.2

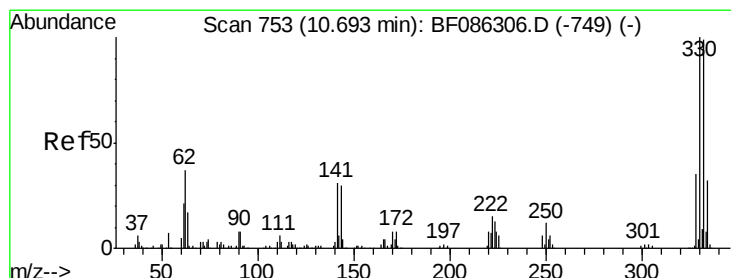
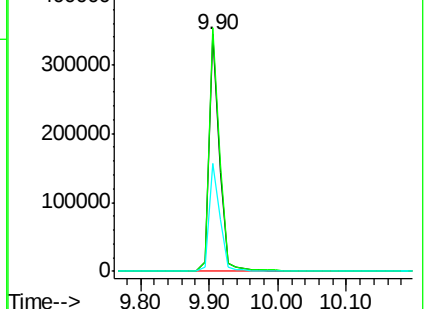
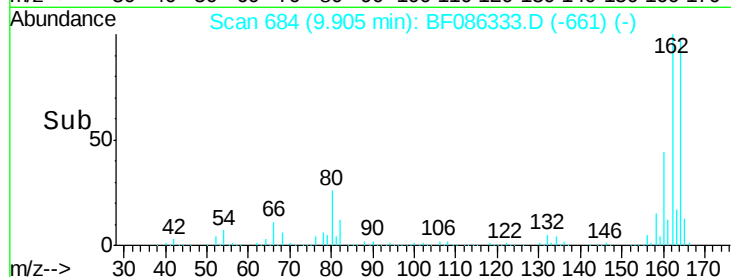
160 45.5 38.9 58.3



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: 106.30 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

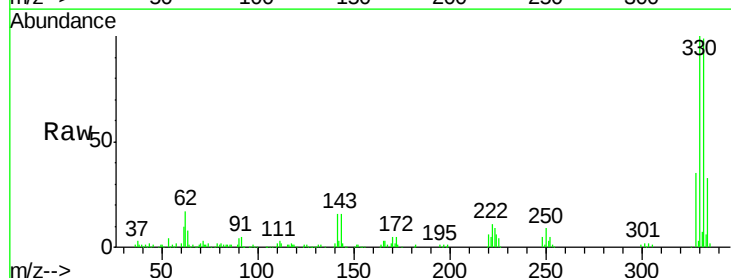
Tgt Ion:330 Resp: 305947

Ion Ratio Lower Upper

330 100

332 96.9 78.7 118.1

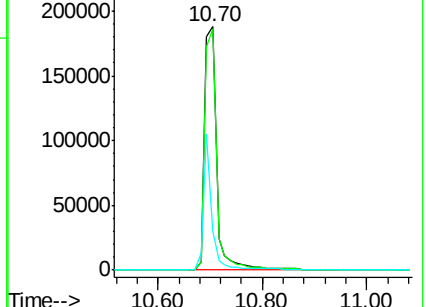
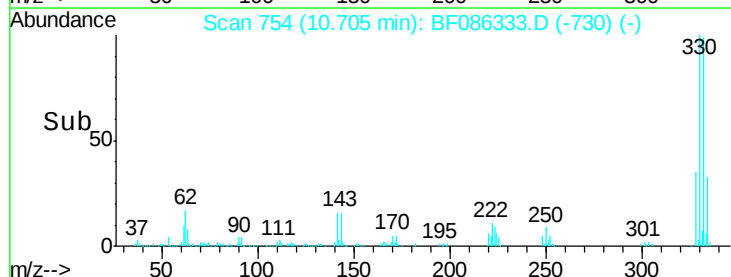
141 37.7 28.6 42.8

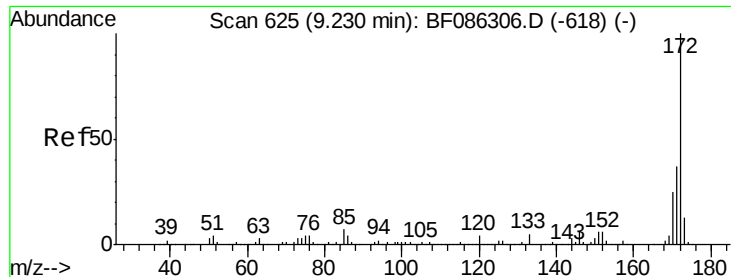


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

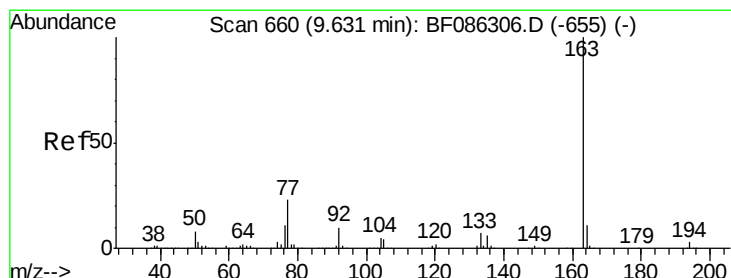
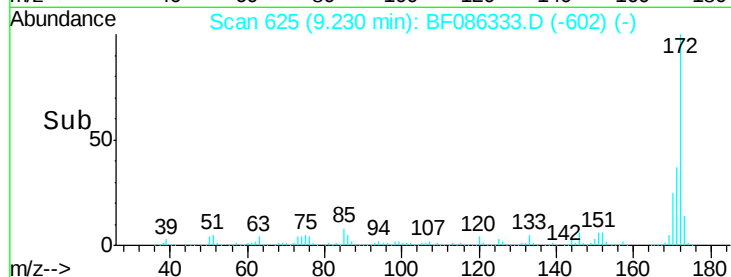
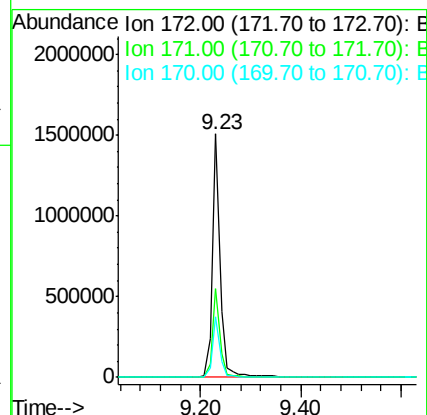
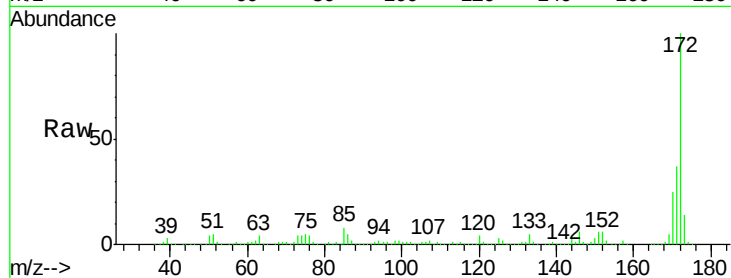




#44
 2-Fluorobiphenyl
 Concen: 84.77 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

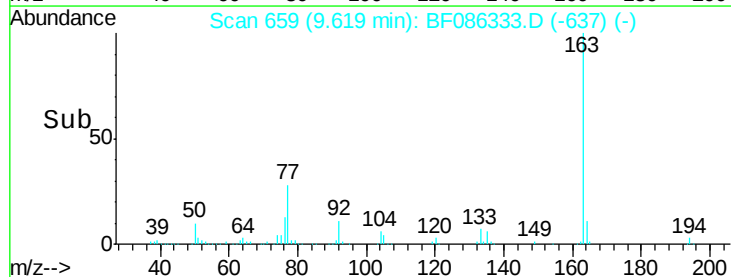
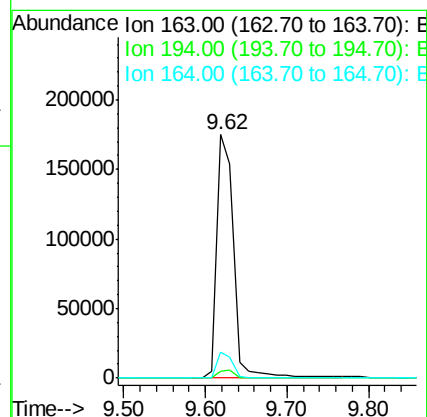
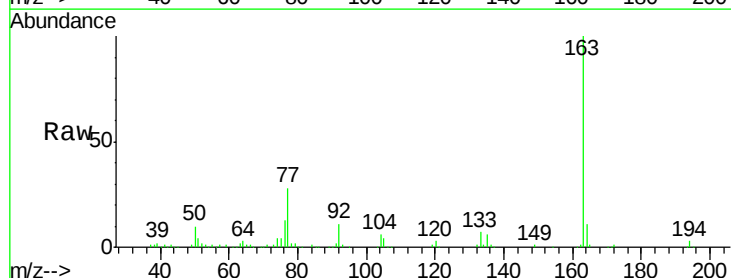
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 EUT01-TU-B2(5-9)-C

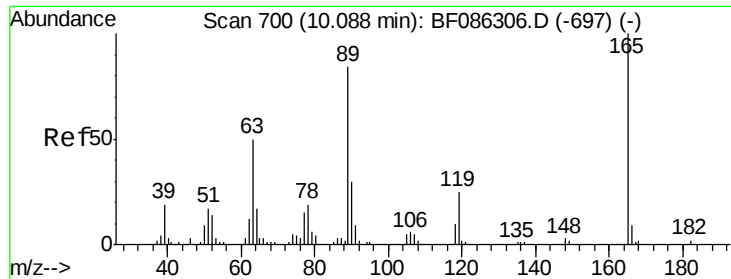
Tgt Ion:172 Resp: 1638656
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 24.9 19.9 29.9



#49
 Dimethylphthalate
 Concen: 8.95 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.05 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Tgt Ion:163 Resp: 251762
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.7 8.4 12.6

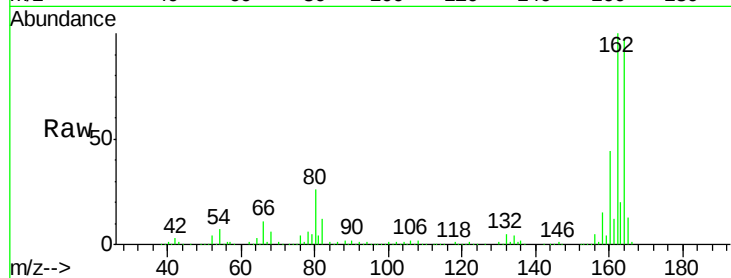




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.22 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

Tgt Ion:	165	Resp:	48376
Ion Ratio	Lower	Upper	
165	100		
63	1.1	26.6	40.0#
89	1.5	49.5	74.3#
182	0.0	1.9	2.9#

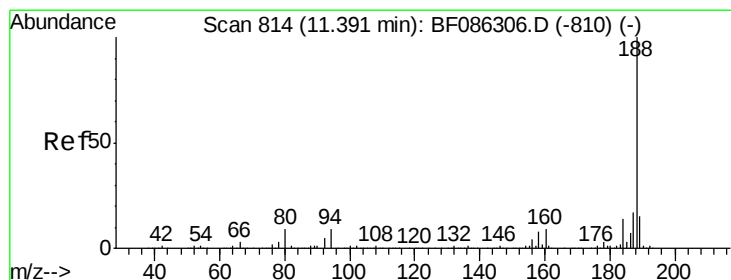
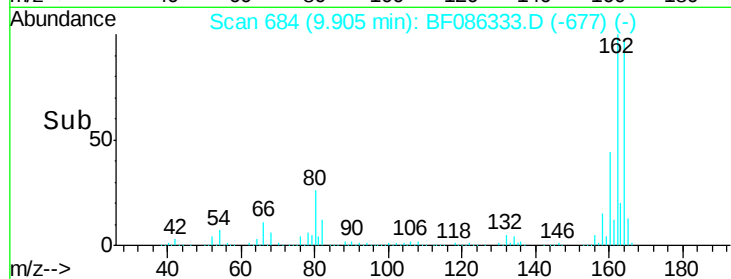
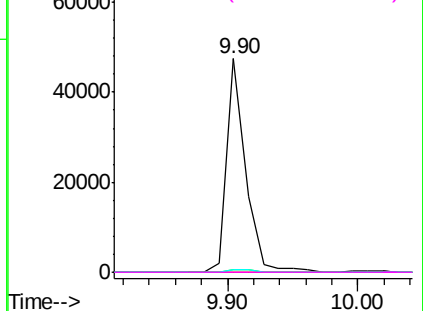


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

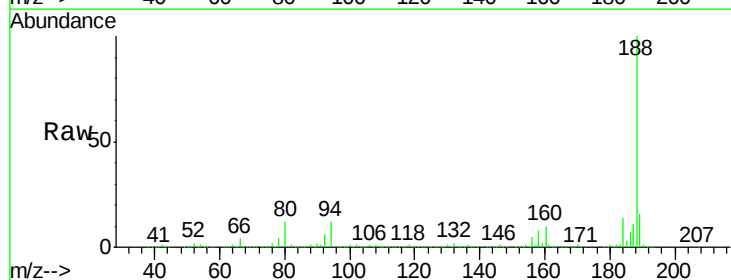
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

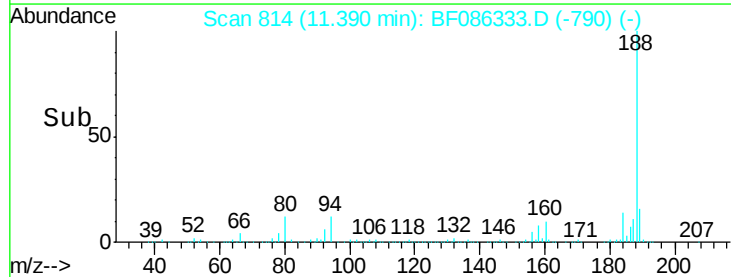
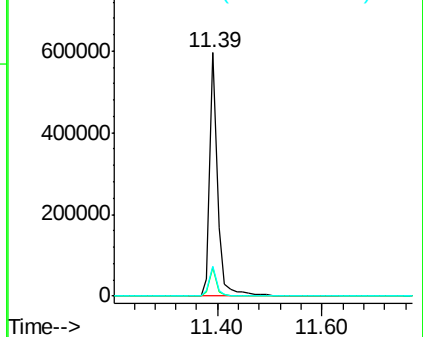
Tgt Ion:	188	Resp:	618324
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.8	14.8
80	12.4	10.5	15.7

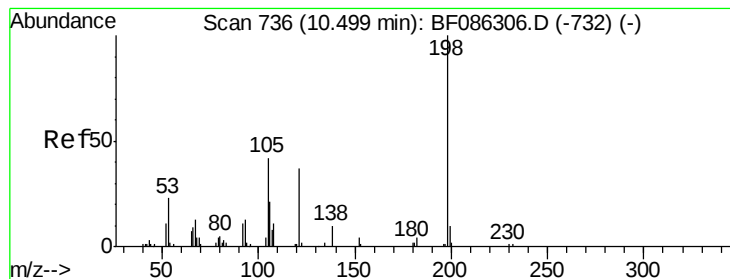


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.37 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.17 min

Lab File: BF086333.D

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EUT01-TU-B2(5-9)-C

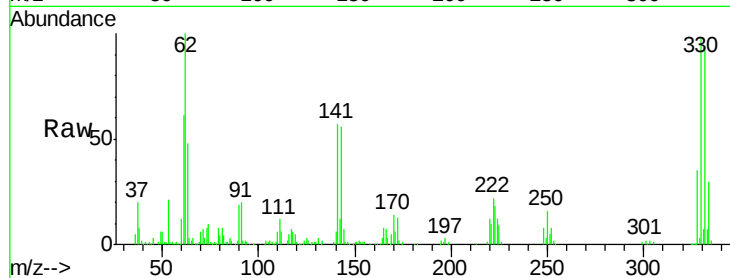
Tgt Ion:198 Resp: 704

Ion Ratio Lower Upper

198 100

51 229.3 56.5 96.5#

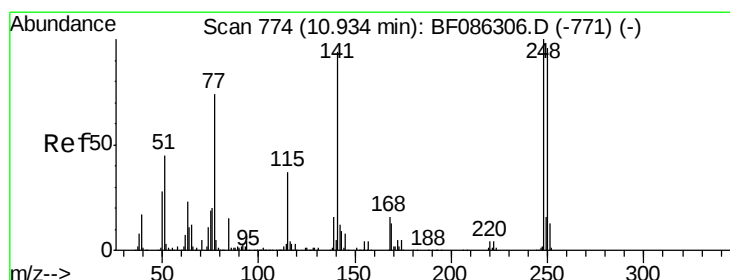
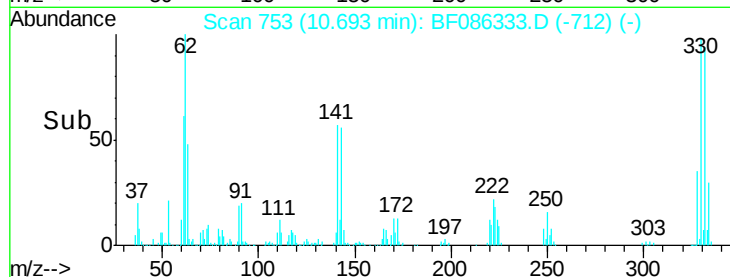
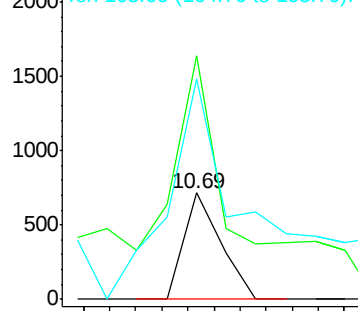
105 207.3 48.0 88.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.83 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.27 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

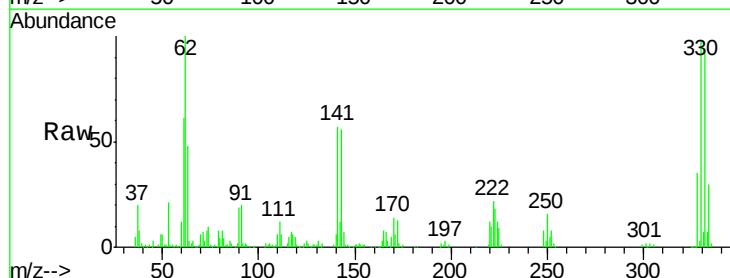
Tgt Ion:248 Resp: 18808

Ion Ratio Lower Upper

248 100

250 200.9 78.6 118.0#

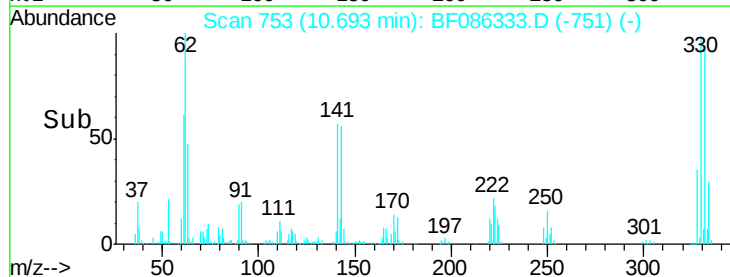
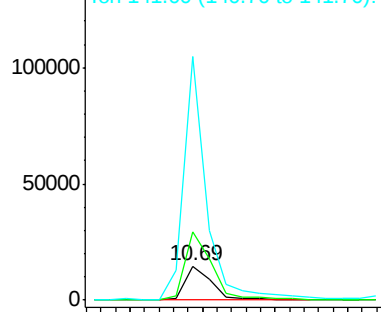
141 714.8 57.9 86.9#

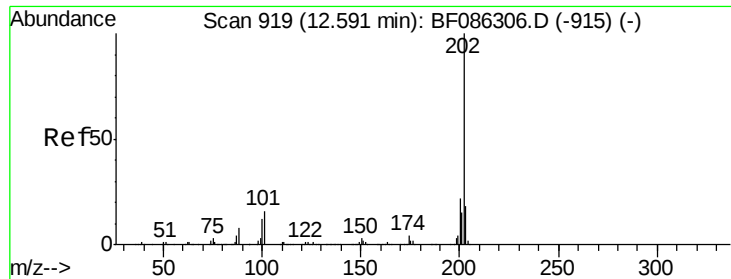


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

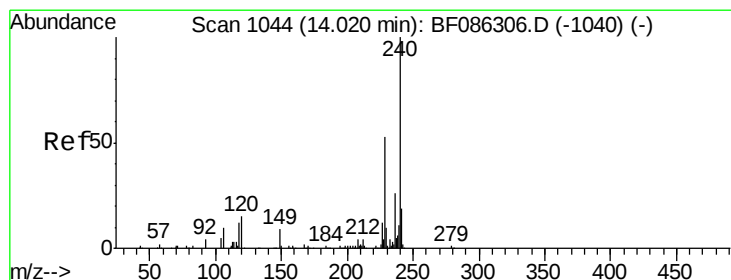
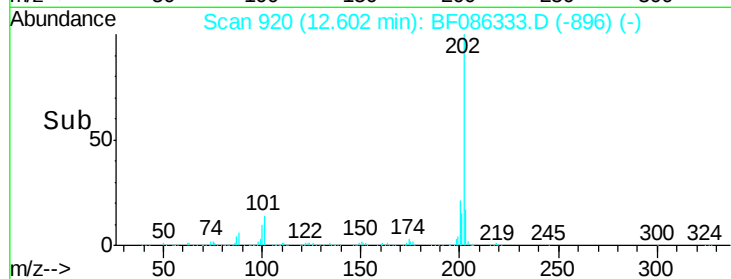
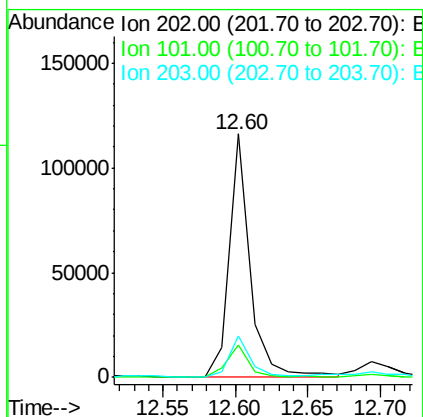
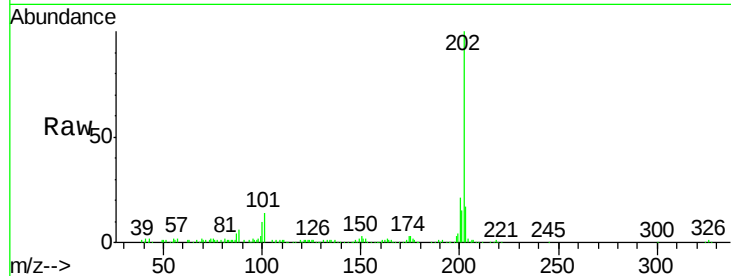




#74
 Fluoranthene
 Concen: 4.22 ng
 RT: 12.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

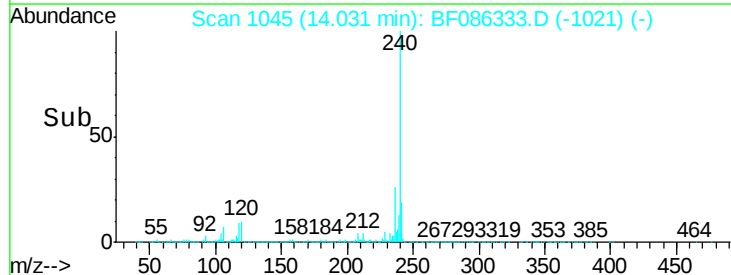
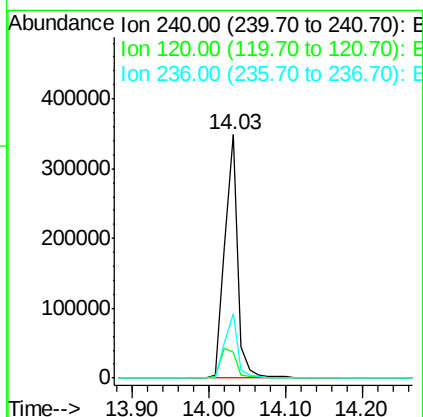
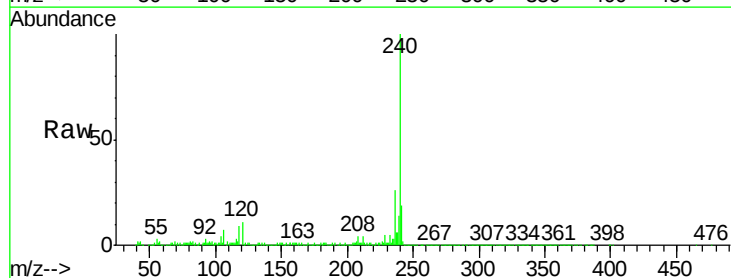
Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

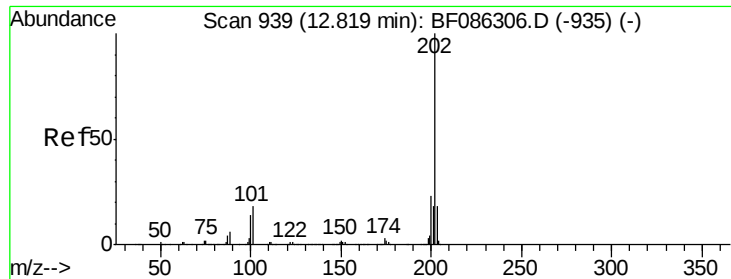
Tgt Ion:	202	Resp:	114605
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	35.2
203	17.1	0.0	38.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Tgt Ion:	240	Resp:	416005
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.3	13.9
236	26.2	21.1	31.7

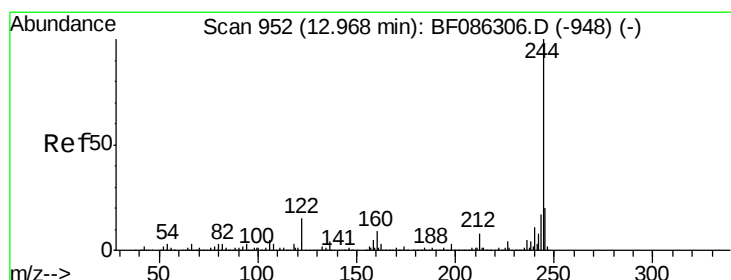
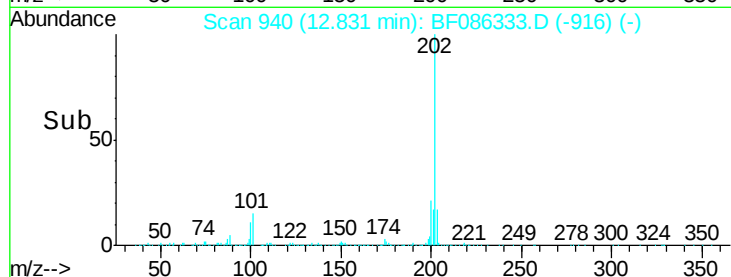
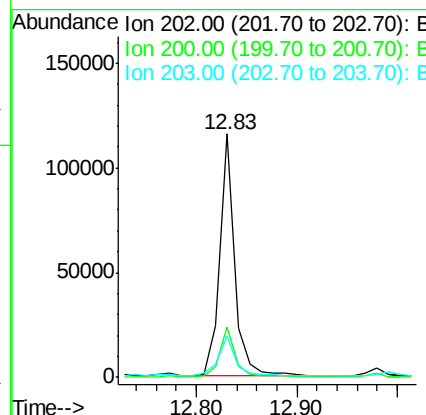
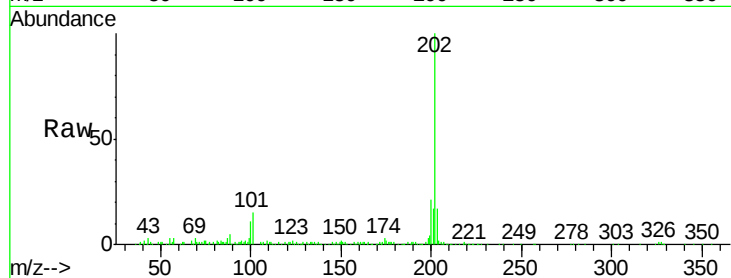




#77
 Pyrene
 Concen: 3.91 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

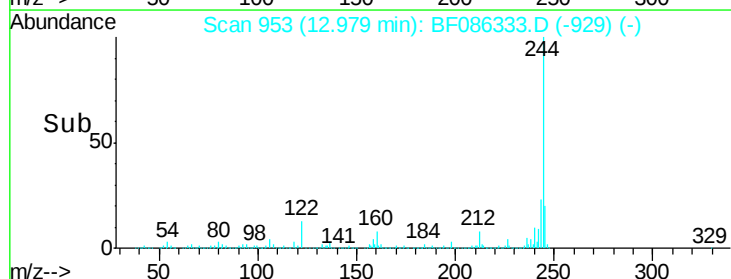
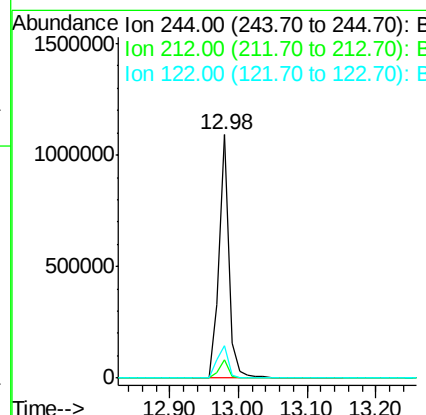
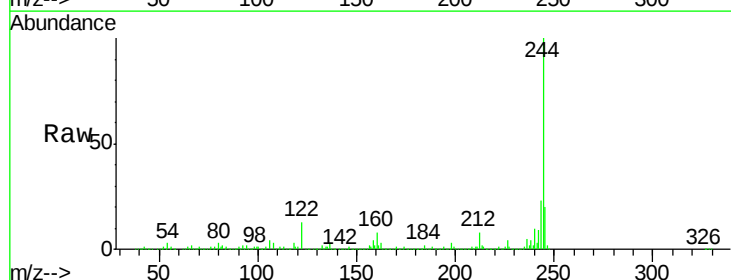
Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TU-B2(5-9)-C

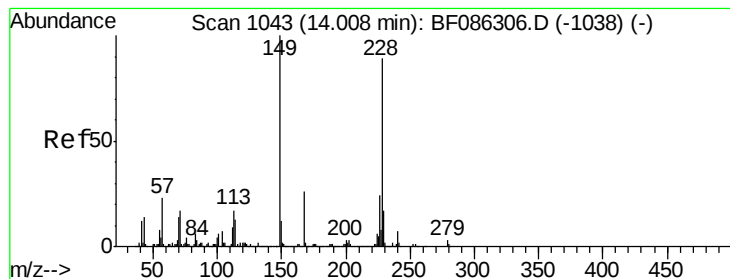
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.3	27.5
203	17.0	14.9	22.3



#78
 Terphenyl-d14
 Concen: 65.00 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.02 min
 Lab File: BF086333.D
 Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	13.3	11.7	17.5





#80

Benzo(a)anthracene

Concen: 3.61 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

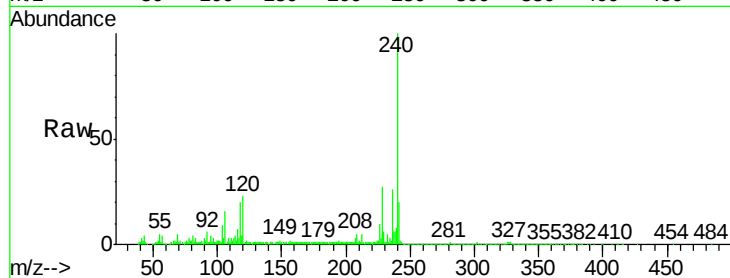
Tgt Ion:228 Resp: 79114

Ion Ratio Lower Upper

228 100

226 36.2 22.5 33.7#

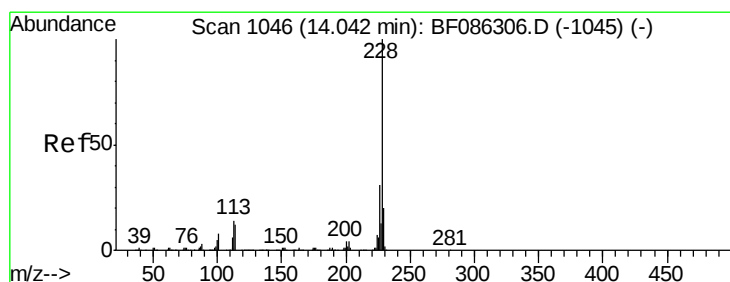
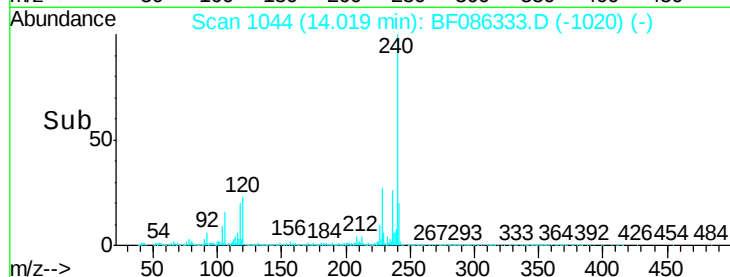
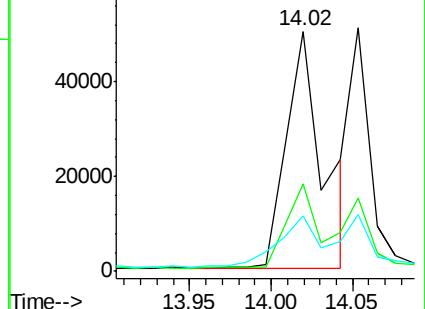
229 23.1 16.2 24.2



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: 3.34 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.06 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

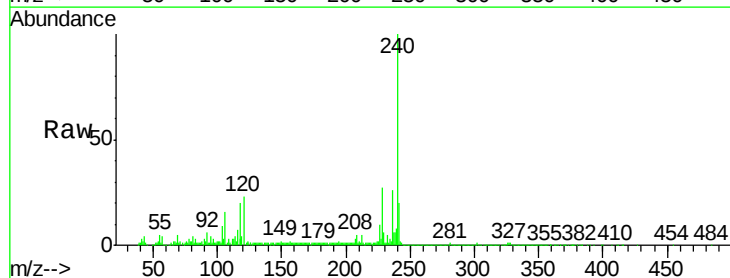
Tgt Ion:228 Resp: 79114

Ion Ratio Lower Upper

228 100

226 36.2 25.4 38.2

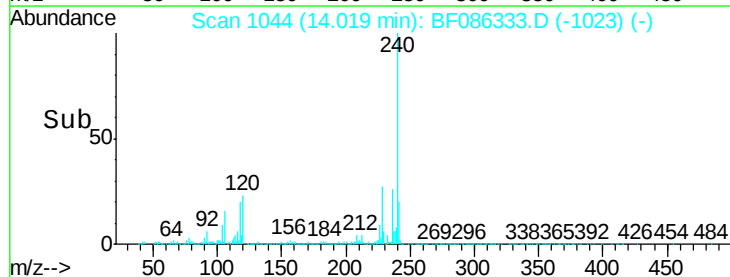
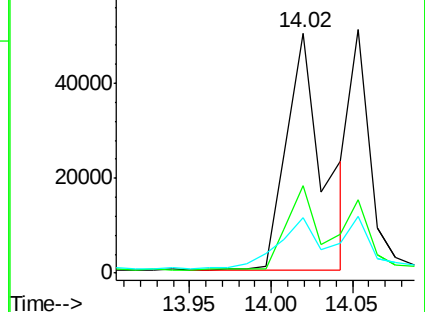
229 23.1 16.5 24.7

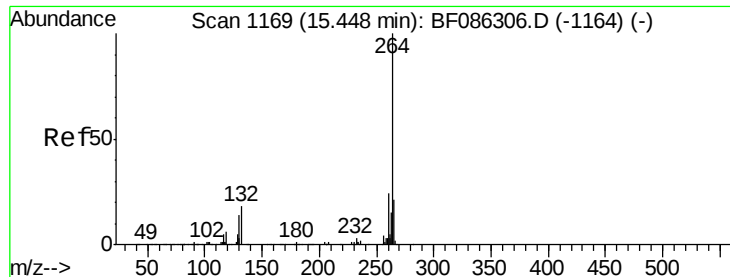


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

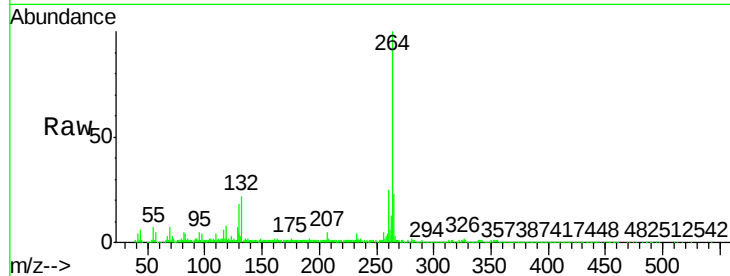




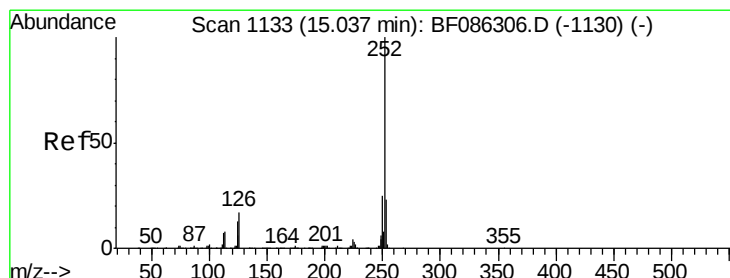
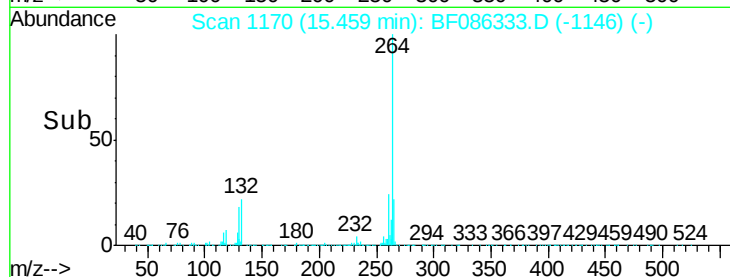
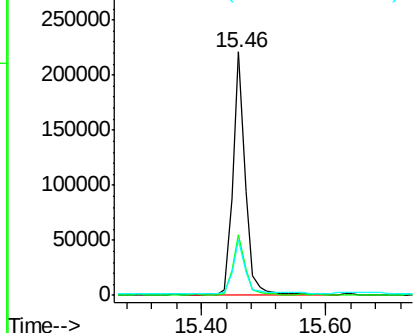
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B2(5-9)-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.7	17.4	26.0

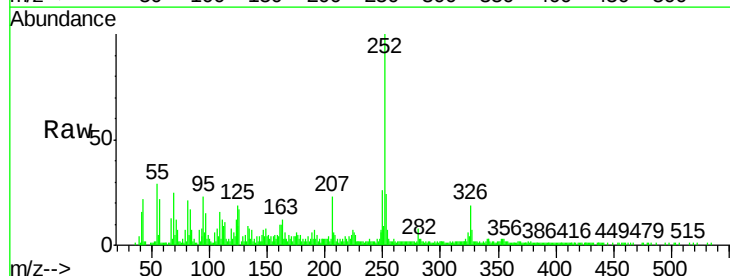


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

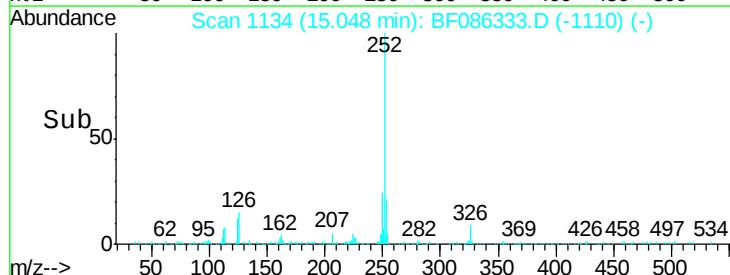
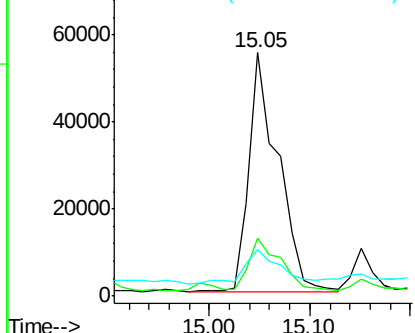


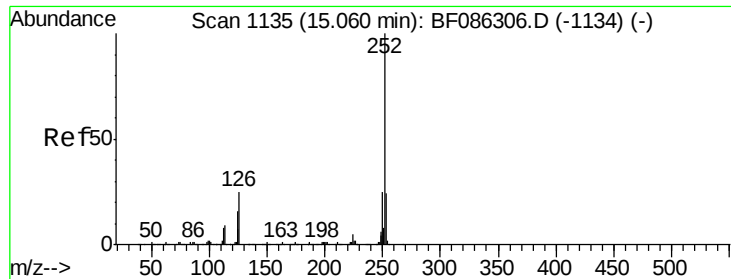
#87
Benzo(b)fluoranthene
Concen: 6.31 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086333.D
Acq: 21 Apr 2016 2:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	18.9	10.3	15.5#



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: 7.49 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.06 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

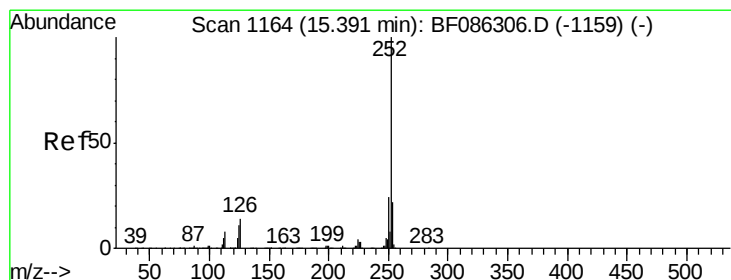
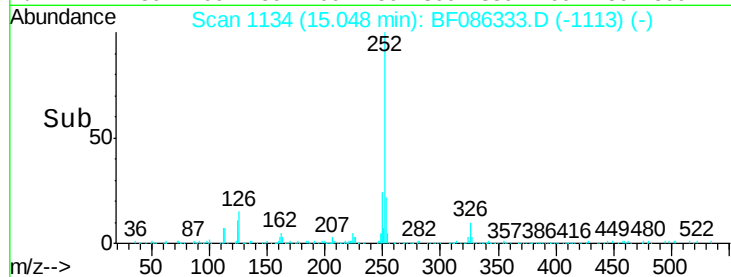
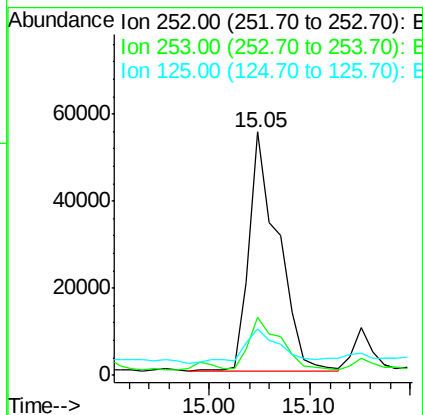
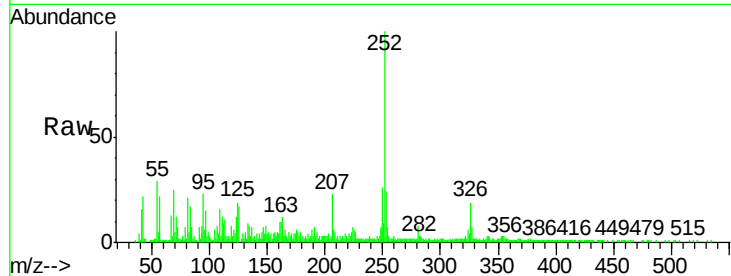
Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C

Tgt Ion:	252	Resp:	110647
Ion Ratio		Lower	Upper
252	100		
253	23.9	17.5	26.3
125	18.9	7.8	11.6#



#89

Benzo(a)pyrene

Concen: 3.24 ng

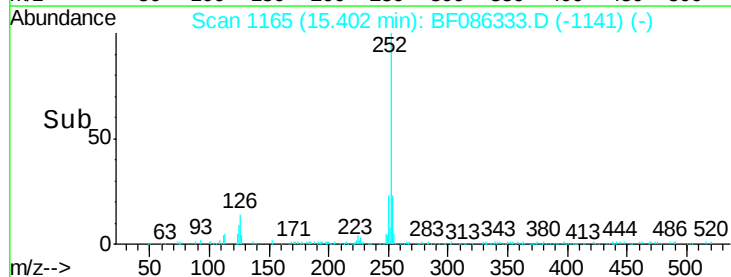
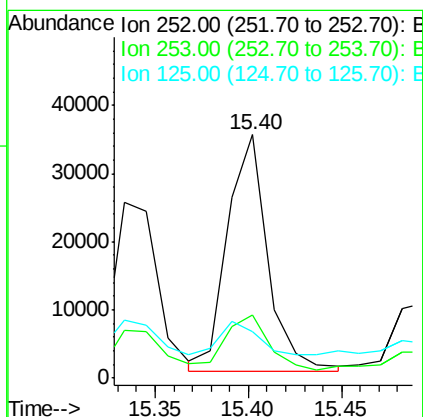
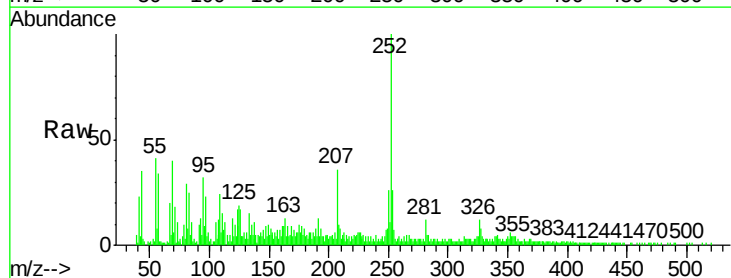
RT: 15.40 min Scan# 1165

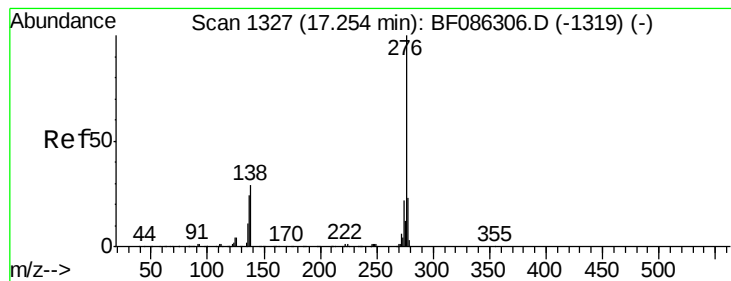
Delta R.T. -0.02 min

Lab File: BF086333.D

Acq: 21 Apr 2016 2:55

Tgt Ion:	252	Resp:	52424
Ion Ratio		Lower	Upper
252	100		
253	25.9	17.8	26.8
125	19.2	11.2	16.8#





#91

Benzo(g,h,i)perylene

Concen: 2.64 ng

RT: 17.29 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BF086333.D

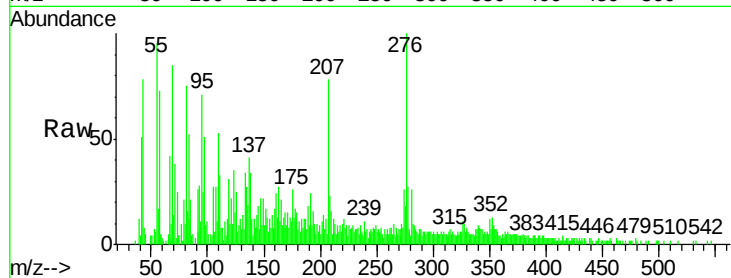
Acq: 21 Apr 2016 2:55

Instrument :

BNA_F

ClientSampleId :

EUT01-TU-B2(5-9)-C



Tgt Ion:	276	Resp:	35741
Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.0	28.6
138	34.1	19.6	29.4

