

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042016\
 Data File : BF086331.D
 Acq On : 21 Apr 2016 1:58
 Operator : UM/SJ
 Sample : H2601-17
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)I

Quant Time: Apr 21 05:12:04 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

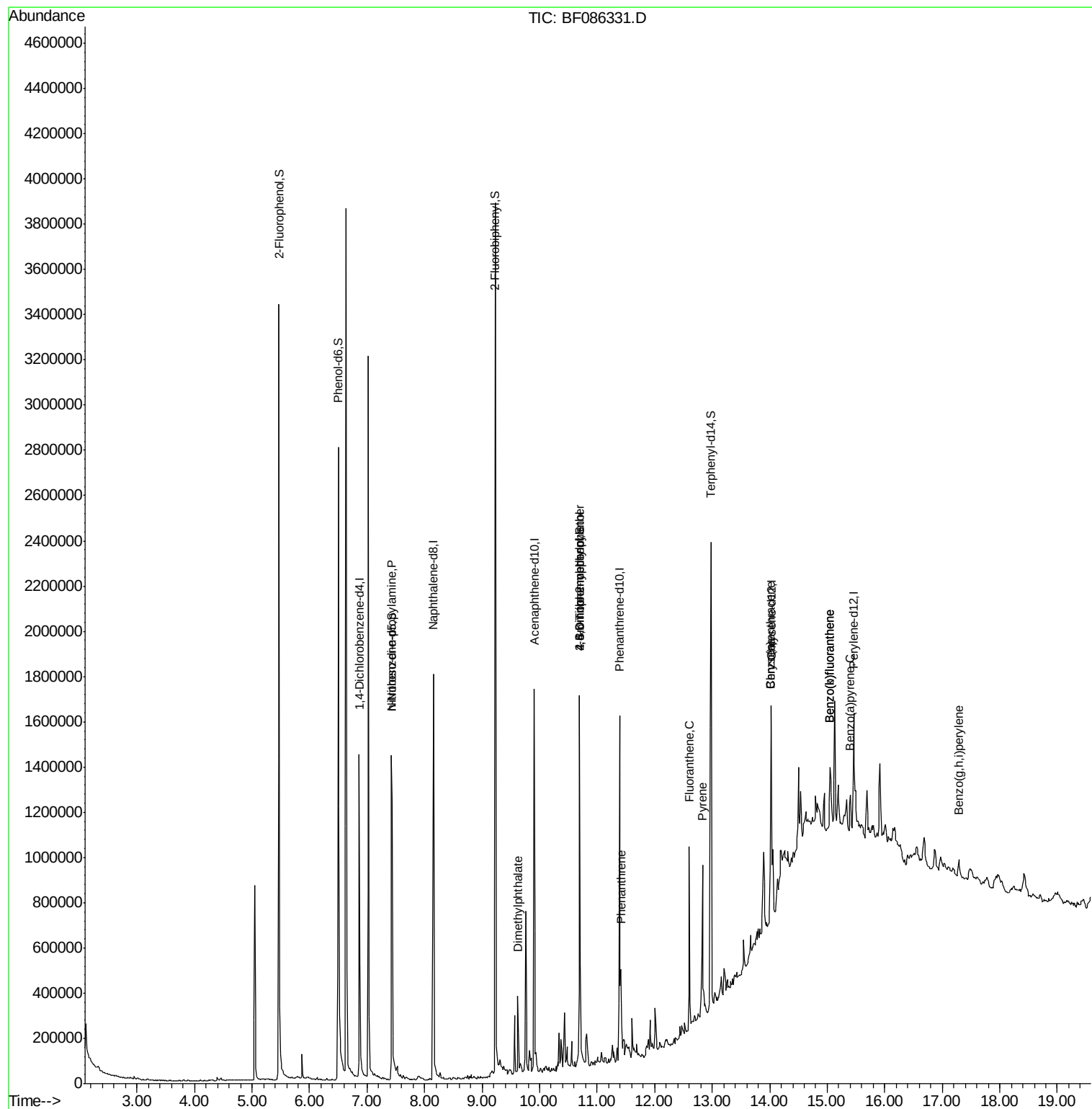
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	254169	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	1003071	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	371517	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	592574	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	400926	20.00	ng	-0.02
86) Perylene-d12	15.46	264	284265	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1130070	77.57	ng	-0.01
7) Phenol-d6	6.50	99	1405235	73.71	ng	-0.02
23) Nitrobenzene-d5	7.42	82	836800	47.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	213530	73.74	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	1252365	59.91	ng	-0.03
78) Terphenyl-d14	12.98	244	828908	49.21	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	102884	8.91	ng	# 81
49) Dimethylphthalate	9.62	163	159422	5.64	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.69	198	422	6.26	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	13529	2.12	ng	# 1
70) Phenanthrene	11.41	178	132670	4.72	ng	# 97
74) Fluoranthene	12.60	202	349771	13.43	ng	# 96
77) Pyrene	12.83	202	308314	10.37	ng	# 98
80) Benzo(a)anthracene	14.02	228	144896	6.86	ng	# 90
82) Chrysene	14.02	228	144896	6.35	ng	# 94
87) Benzo(b)fluoranthene	15.05	252	195321	11.88	ng	# 85
88) Benzo(k)fluoranthene	15.05	252	195321	14.11	ng	# 82
89) Benzo(a)pyrene	15.40	252	103532	6.83	ng	# 89
91) Benzo(g,h,i)perylene	17.29	276	78427	6.18	ng	# 88

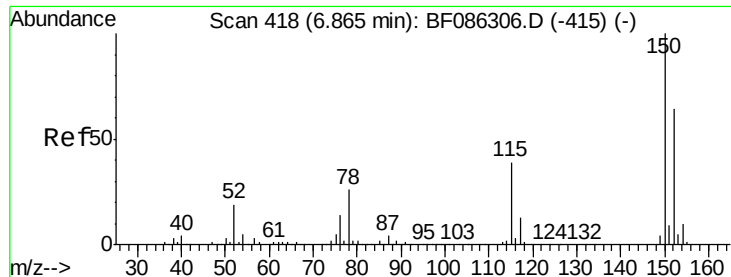
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

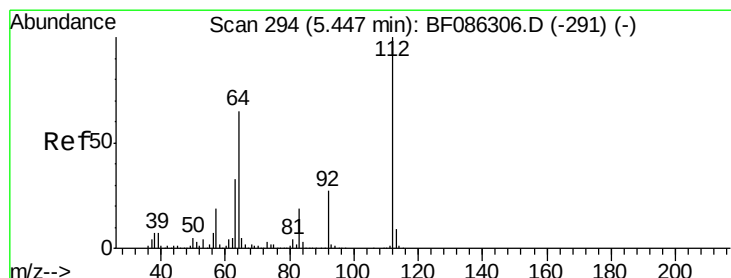
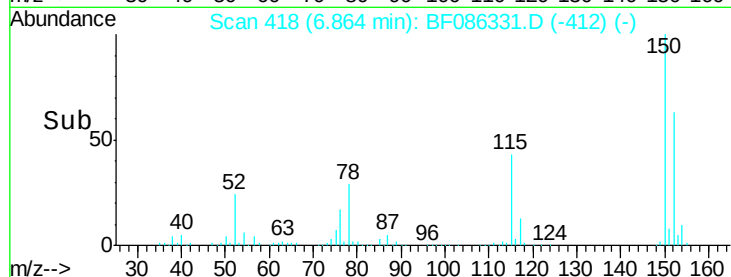
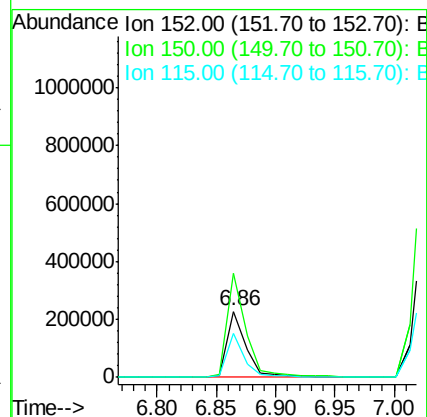
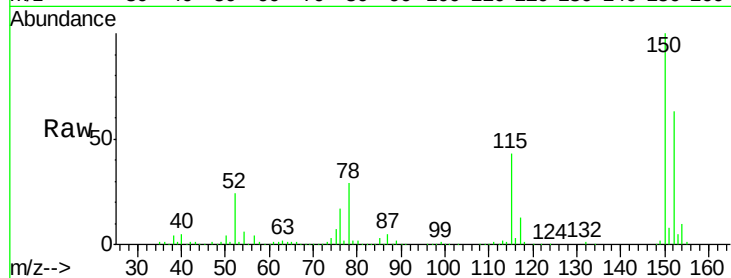
Tgt Ion:152 Resp: 254169

Ion Ratio Lower Upper

152 100

150 159.0 124.1 186.1

115 67.6 43.9 65.9#



#5

2-Fluorophenol

Concen: 77.57 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

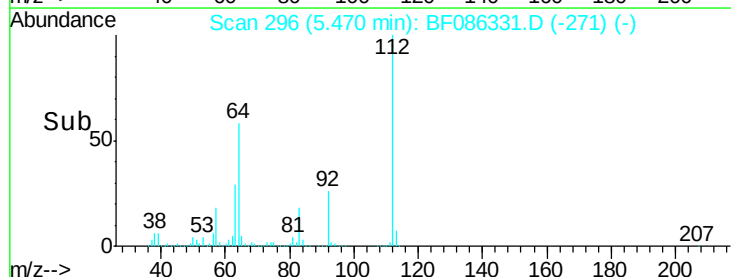
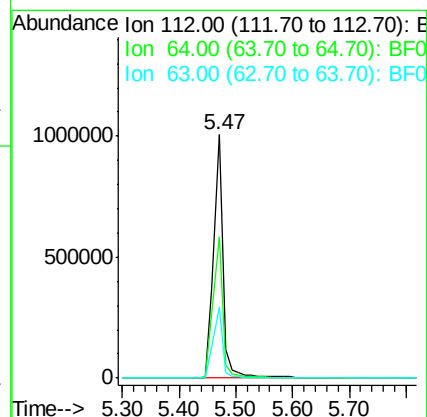
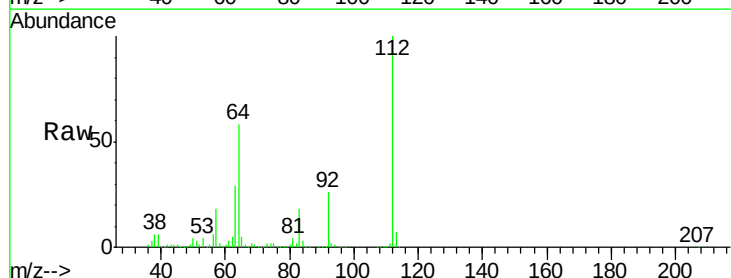
Tgt Ion:112 Resp: 1130070

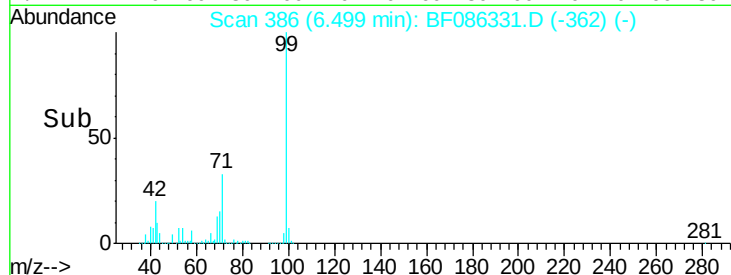
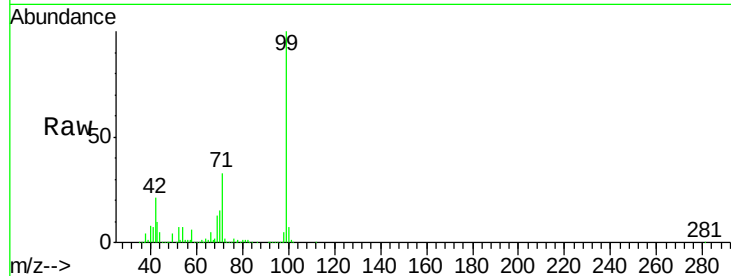
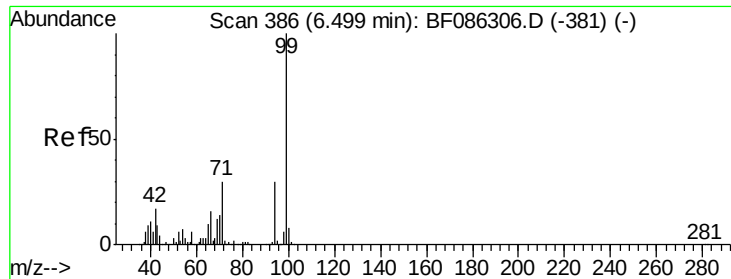
Ion Ratio Lower Upper

112 100

64 57.9 48.1 72.1

63 29.3 25.5 38.3





#7

Phenol-d6

Concen: 73.71 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

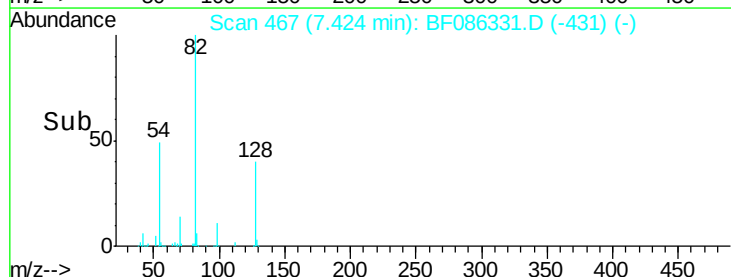
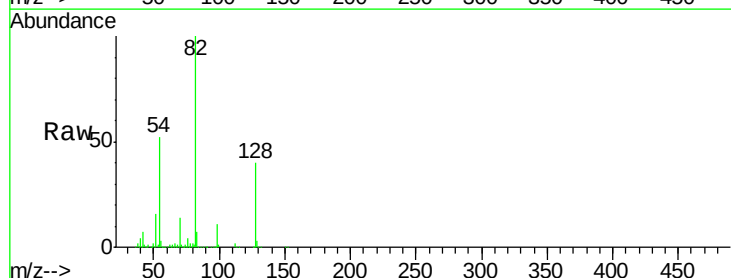
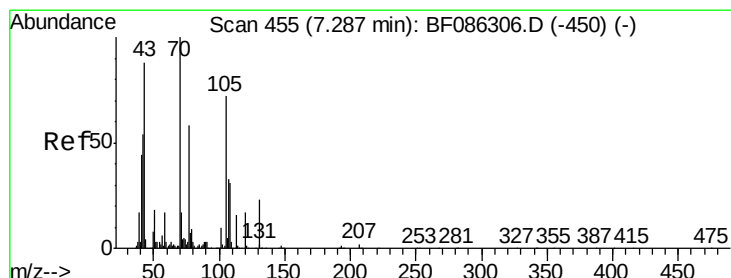
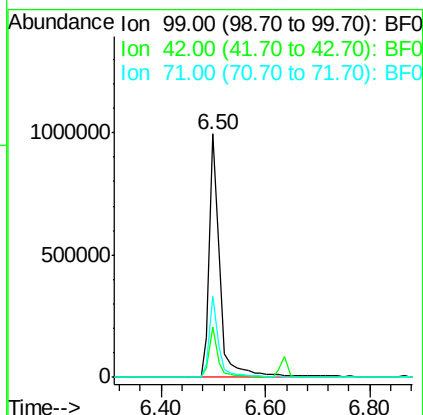
Tgt Ion: 99 Resp: 1405235

Ion Ratio Lower Upper

99 100

42 20.6 15.4 23.2

71 33.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 8.91 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.11 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Tgt Ion: 70 Resp: 102884

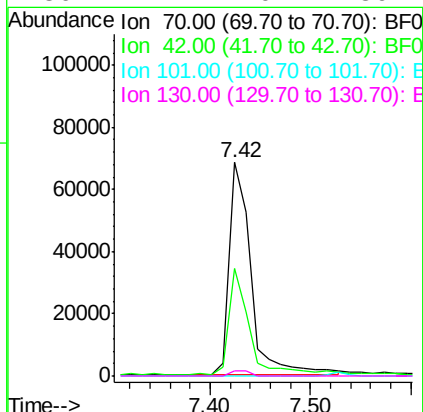
Ion Ratio Lower Upper

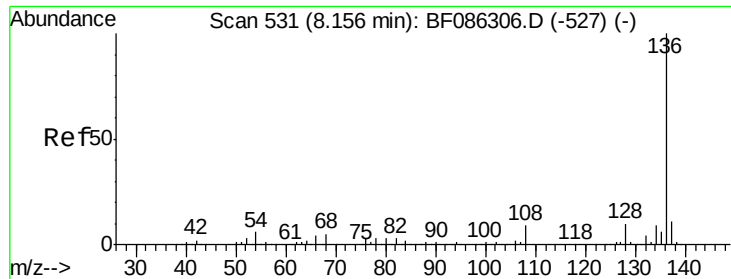
70 100

42 50.4 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 20.1 30.1#

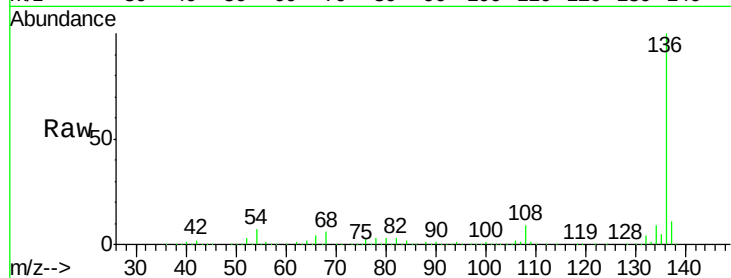




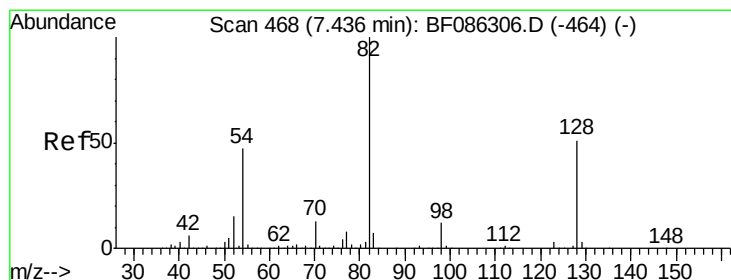
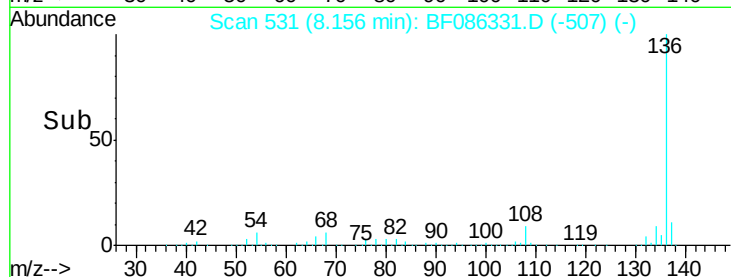
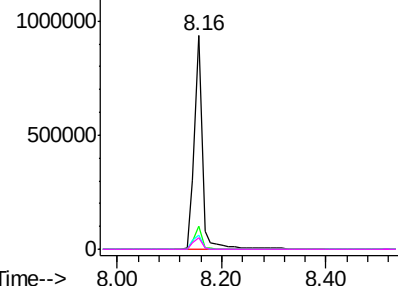
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF086331.D
Acq: 21 Apr 2016 1:58

Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)I

Tgt Ion:136 Resp: 1003071
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.5 7.3 10.9#
68 5.7 5.7 8.5

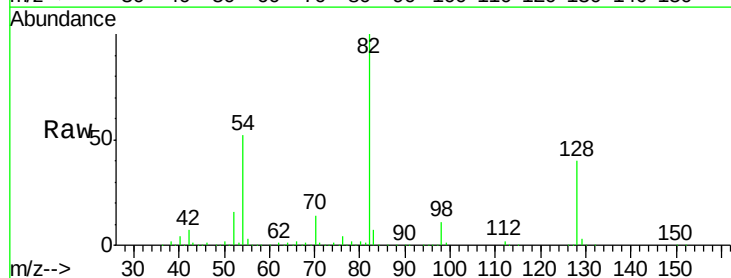


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

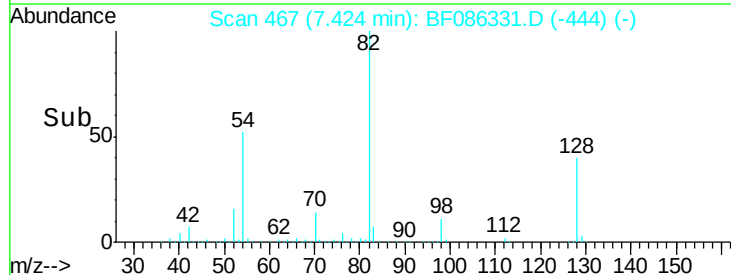
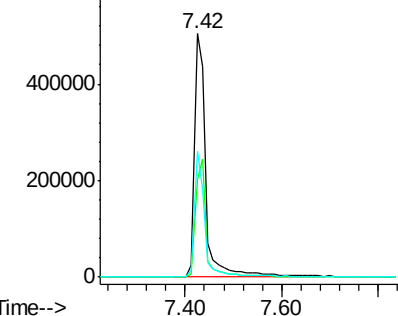


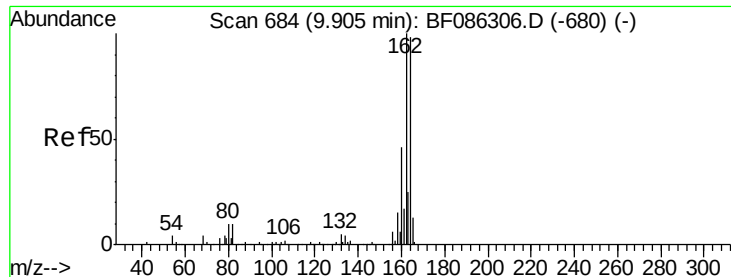
#23
Nitrobenzene-d5
Concen: 47.78 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.03 min
Lab File: BF086331.D
Acq: 21 Apr 2016 1:58

Tgt Ion: 82 Resp: 836800
Ion Ratio Lower Upper
82 100
128 40.0 35.4 53.2
54 51.6 43.4 65.0



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.03 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

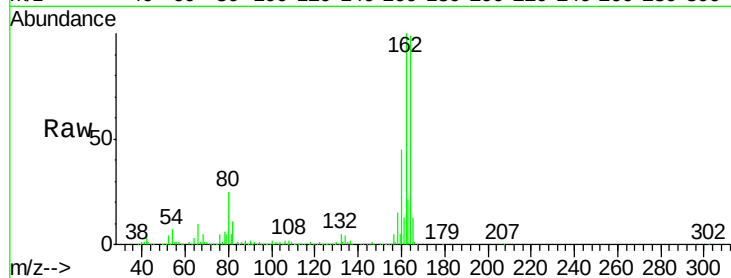
Tgt Ion:164 Resp: 371517

Ion Ratio Lower Upper

164 100

162 101.0 82.8 124.2

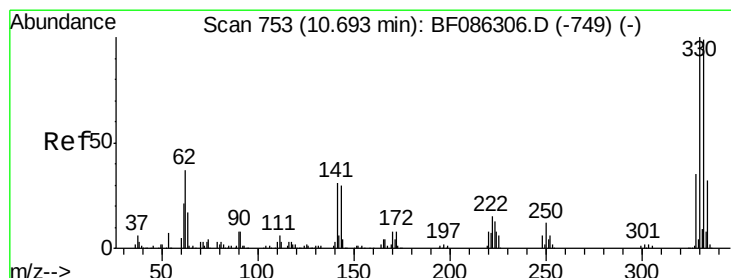
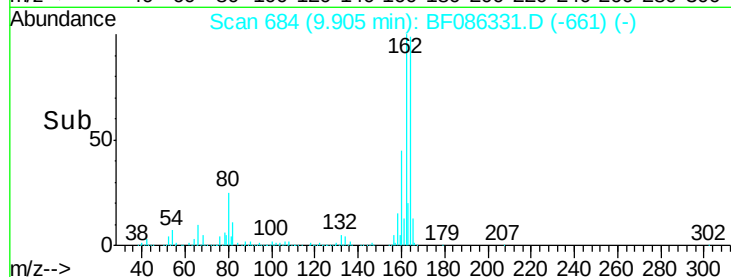
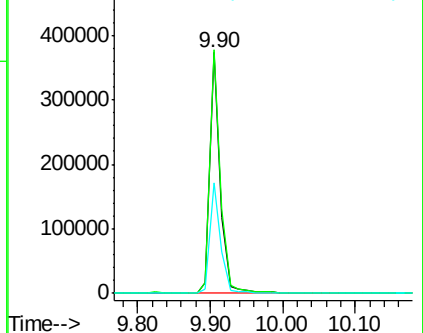
160 45.9 38.9 58.3



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: 73.74 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

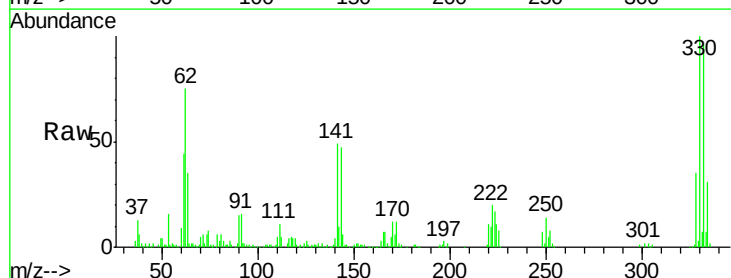
Tgt Ion:330 Resp: 213530

Ion Ratio Lower Upper

330 100

332 97.6 78.7 118.1

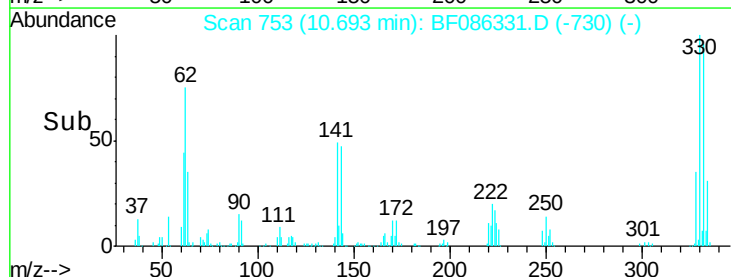
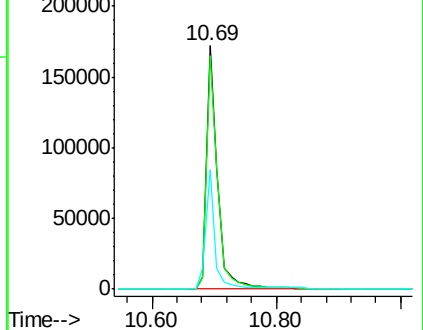
141 39.9 28.6 42.8

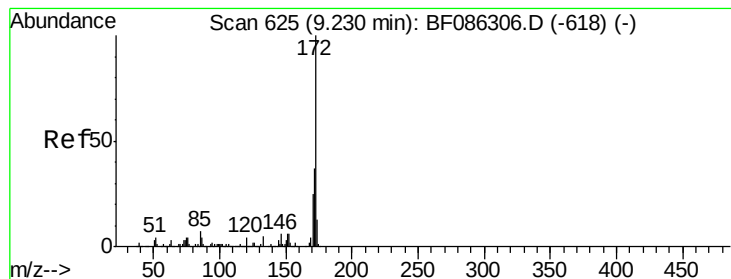


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 59.91 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.03 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

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ClientSampleId :

RODNEY-AVE-PS(0-2)I

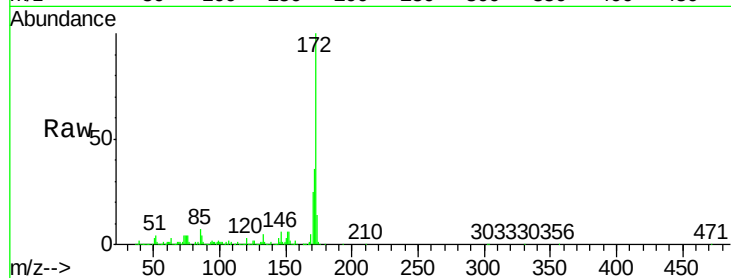
Tgt Ion:172 Resp: 1252365

Ion Ratio Lower Upper

172 100

171 36.3 29.1 43.7

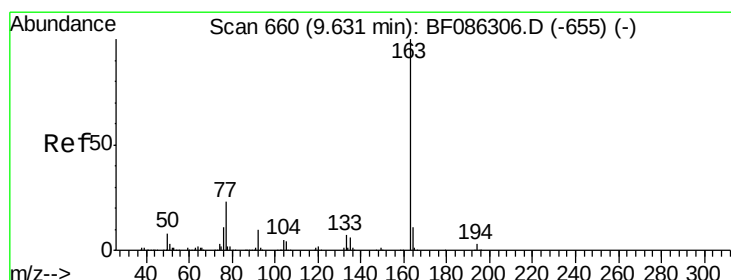
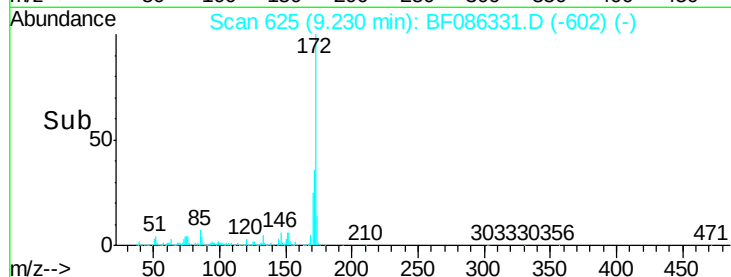
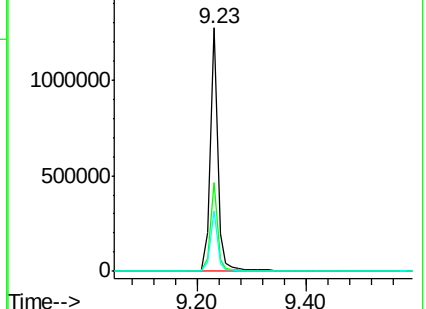
170 24.8 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 5.64 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.05 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

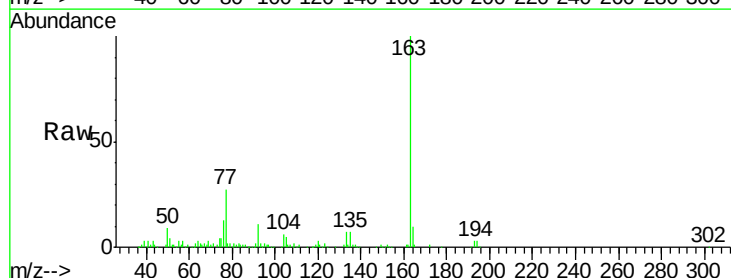
Tgt Ion:163 Resp: 159422

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

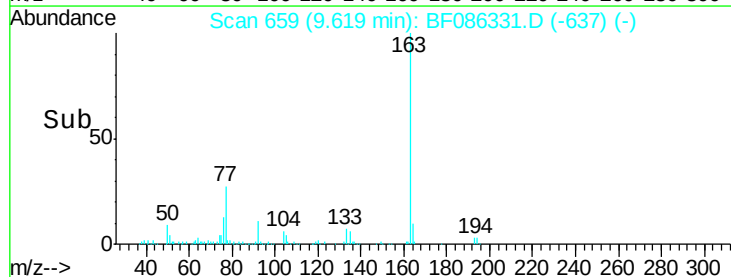
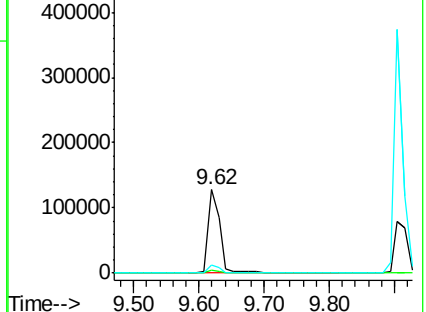
164 10.3 8.4 12.6

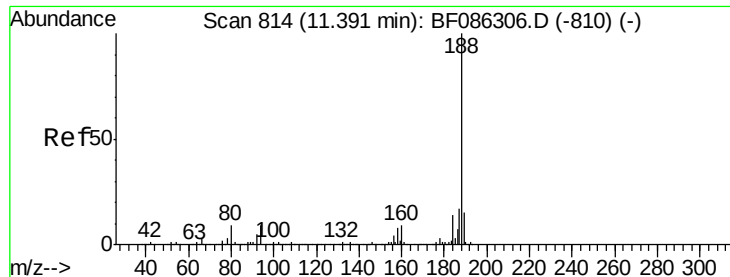


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

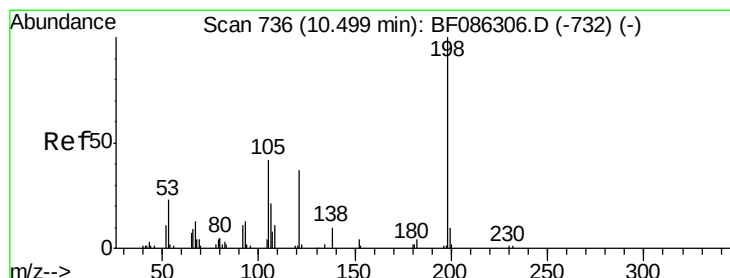
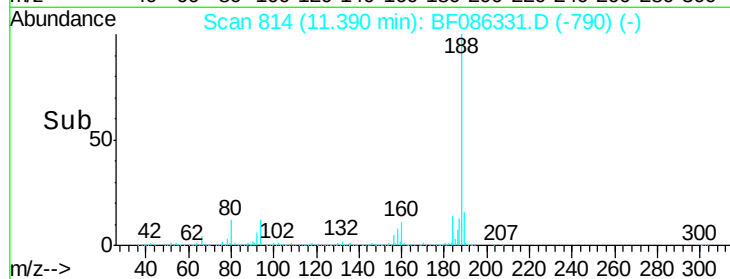
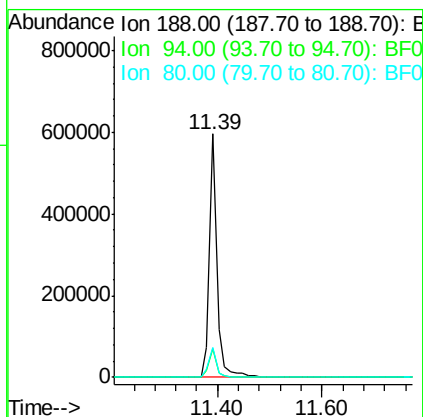
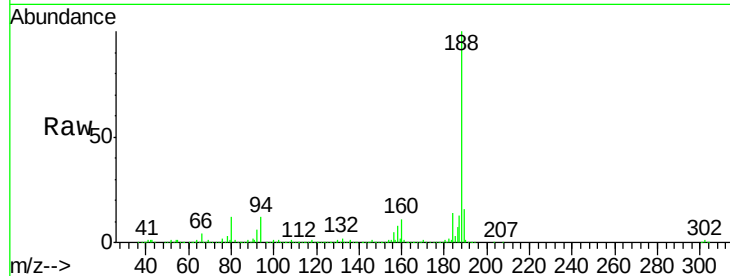




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF086331.D
 Acq: 21 Apr 2016 1:58

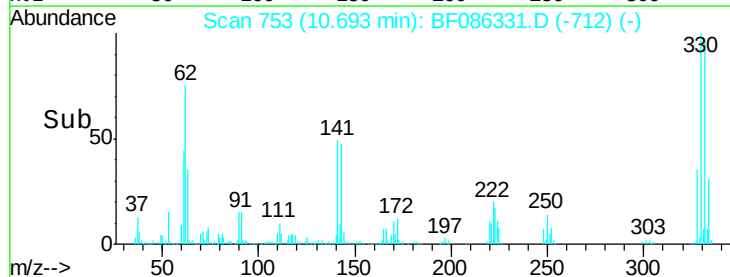
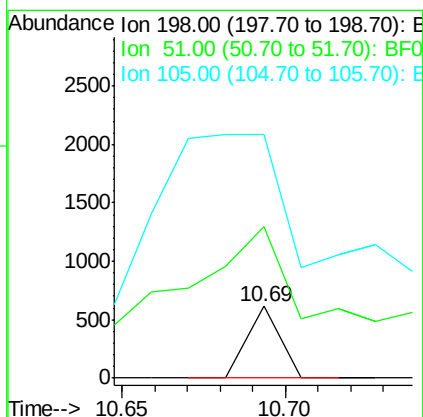
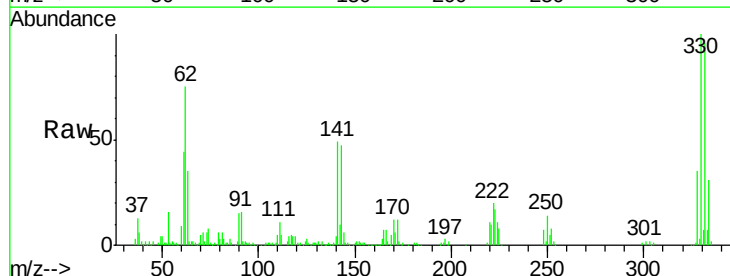
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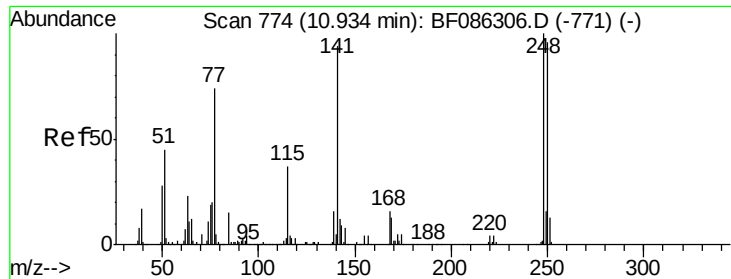
Tgt Ion:188 Resp: 592574
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.8 14.8
 80 12.3 10.5 15.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.26 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.17 min
 Lab File: BF086331.D
 Acq: 21 Apr 2016 1:58

Tgt Ion:198 Resp: 422
 Ion Ratio Lower Upper
 198 100
 51 211.4 56.5 96.5#
 105 338.4 48.0 88.0#

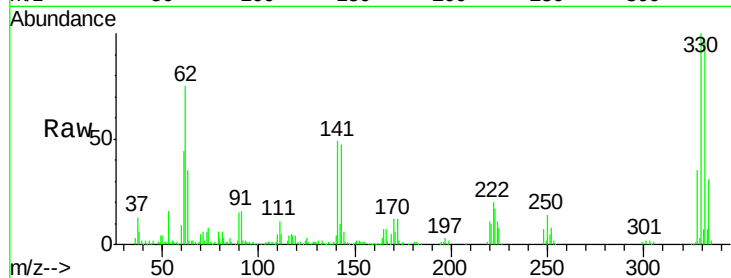




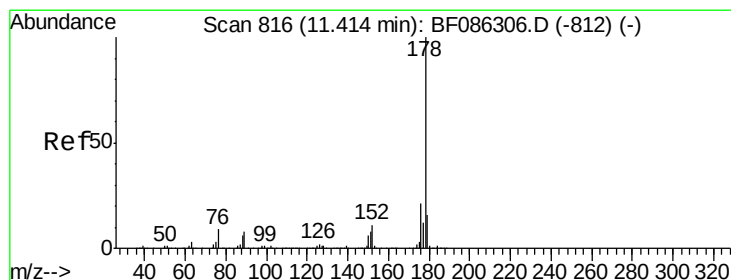
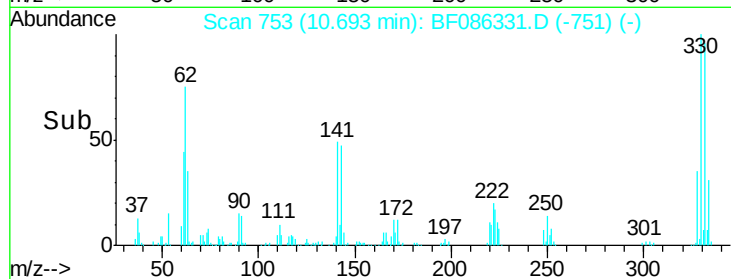
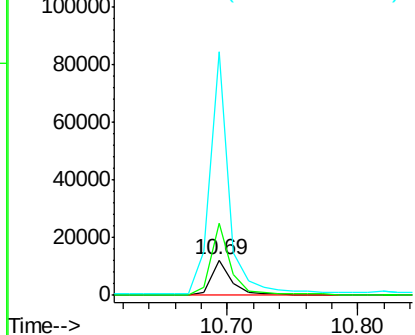
#66
 4-Bromophenyl-phenylether
 Concen: 2.12 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.27 min
 Lab File: BF086331.D
 Acq: 21 Apr 2016 1:58

Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)I

Tgt Ion:248 Resp: 13529
 Ion Ratio Lower Upper
 248 100
 250 205.1 78.6 118.0#
 141 693.8 57.9 86.9#

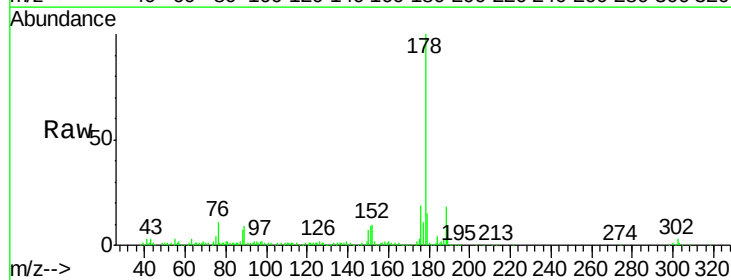


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

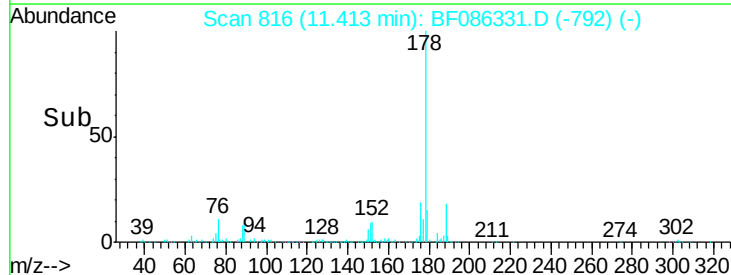
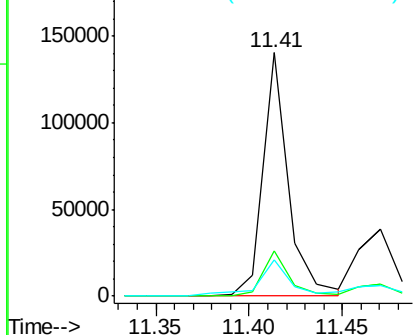


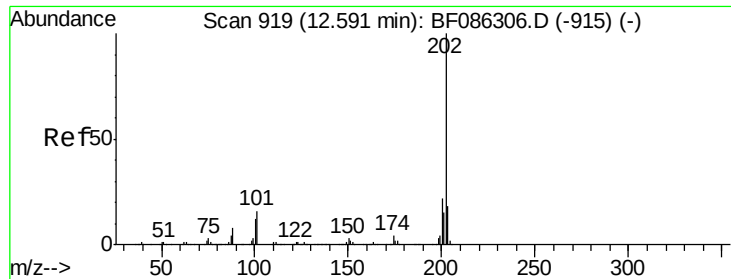
#70
 Phenanthrene
 Concen: 4.72 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF086331.D
 Acq: 21 Apr 2016 1:58

Tgt Ion:178 Resp: 132670
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.3 24.5
 179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.43 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

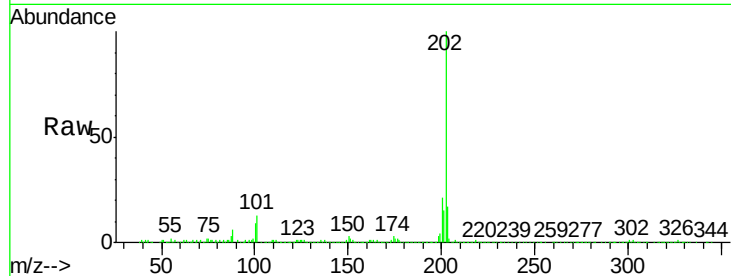
Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

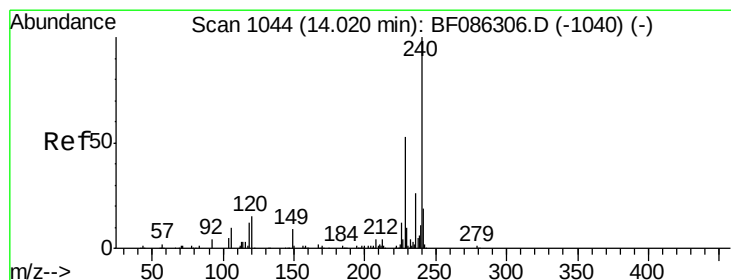
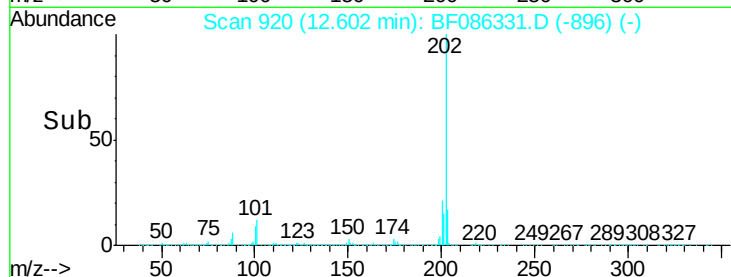
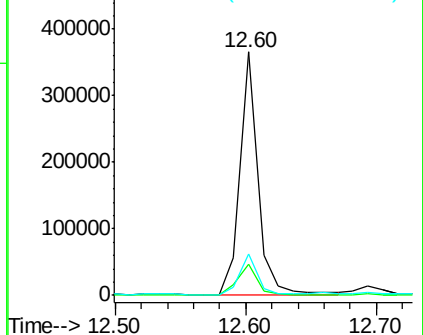
Tgt Ion:	202	Resp:	349771
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	35.2
203	17.1	0.0	38.2



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

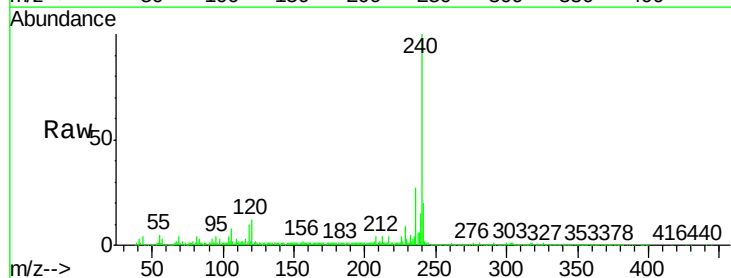
RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

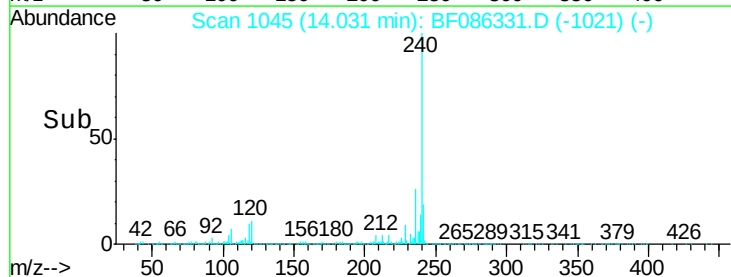
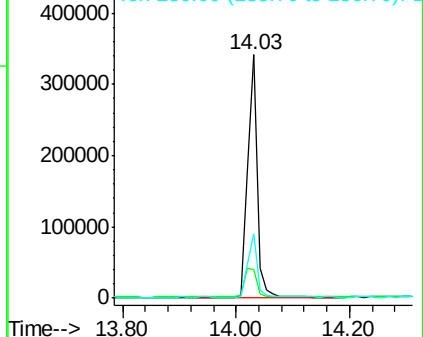
Tgt Ion:	240	Resp:	400926
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.3	13.9
236	26.5	21.1	31.7

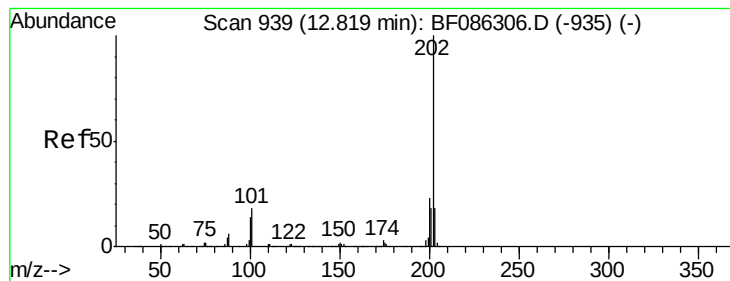


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.37 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

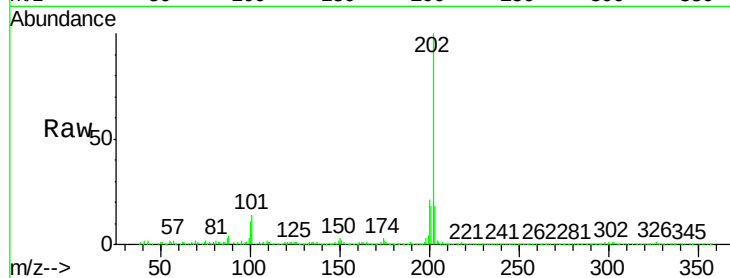
Tgt Ion:202 Resp: 308314

Ion Ratio Lower Upper

202 100

200 21.2 18.3 27.5

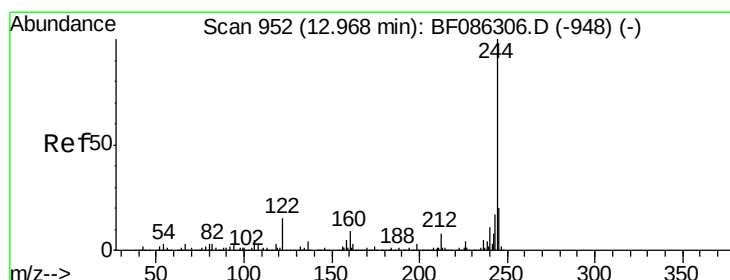
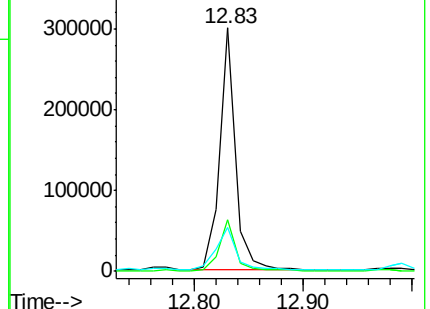
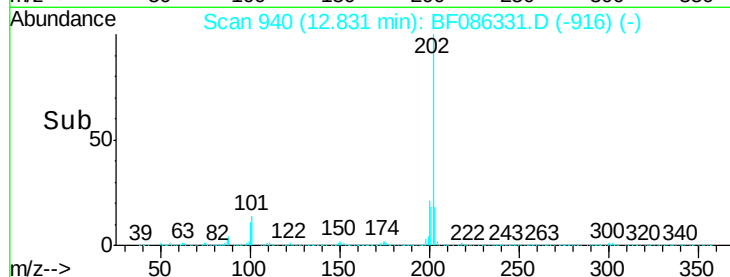
203 18.2 14.9 22.3



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: 49.21 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

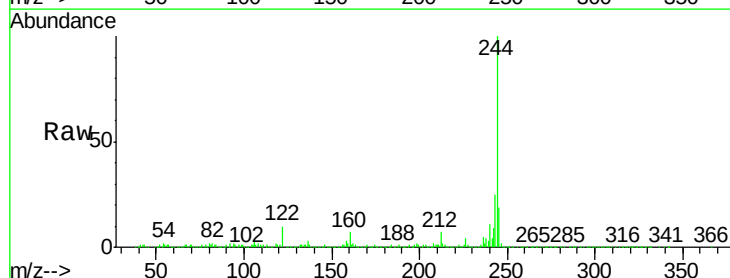
Tgt Ion:244 Resp: 828908

Ion Ratio Lower Upper

244 100

212 6.9 6.4 9.6

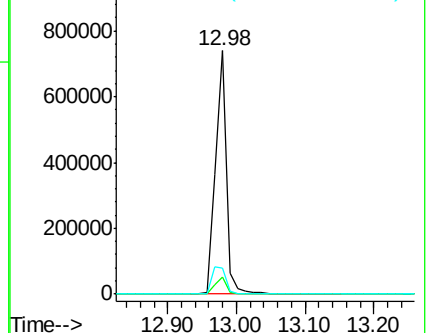
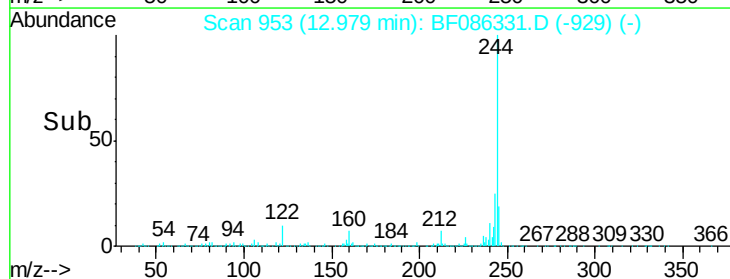
122 10.4 11.7 17.5#

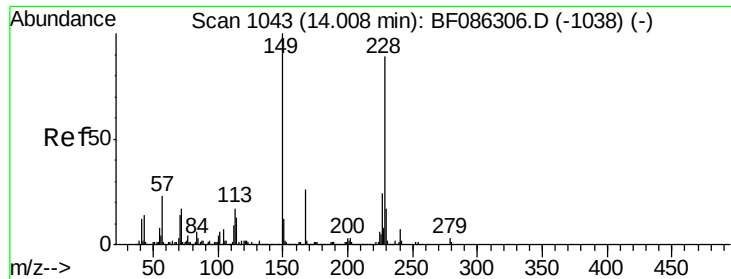


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.86 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

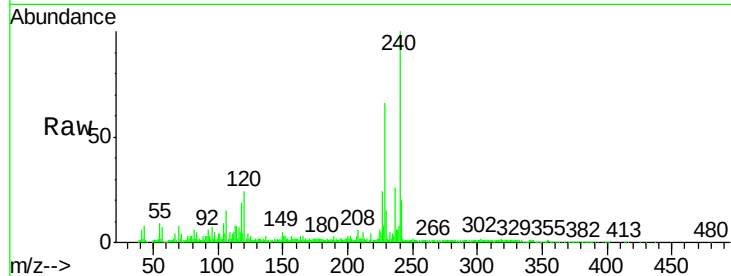
Tgt Ion:228 Resp: 144896

Ion Ratio Lower Upper

228 100

226 35.8 22.5 33.7#

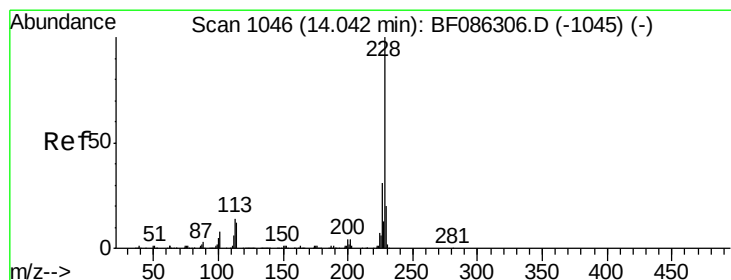
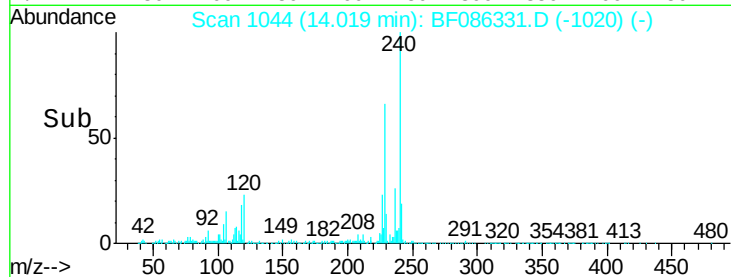
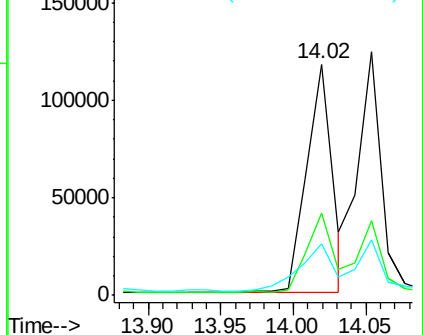
229 22.2 16.2 24.2



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: 6.35 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.06 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

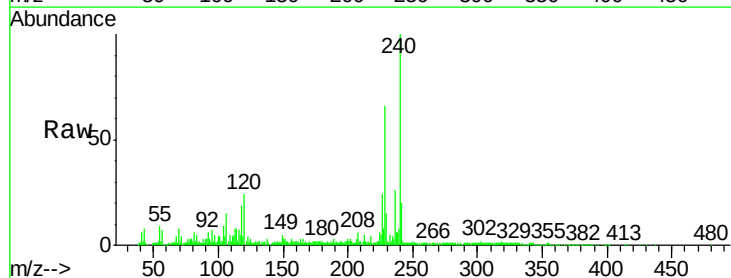
Tgt Ion:228 Resp: 144896

Ion Ratio Lower Upper

228 100

226 35.8 25.4 38.2

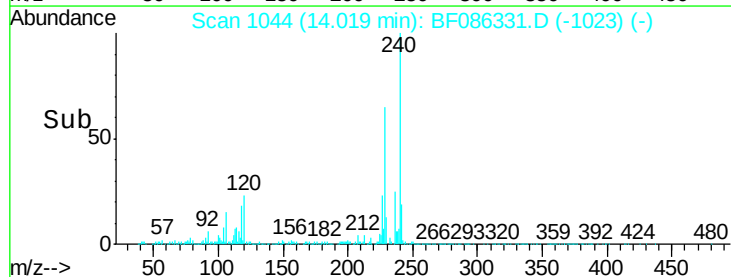
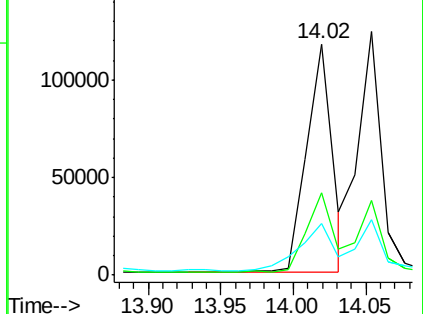
229 22.2 16.5 24.7

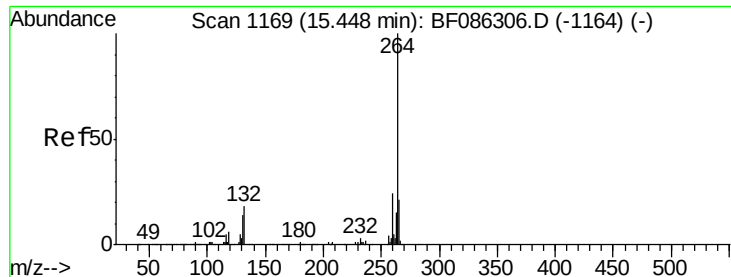


Abundance Ion 228.00 (227.70 to 228.70): E

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: BF086331.D

Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I

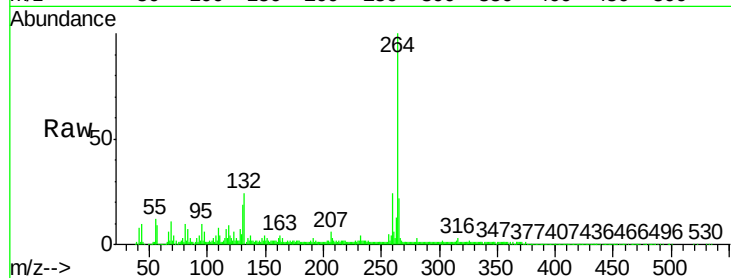
Tgt Ion:264 Resp: 284265

Ion Ratio Lower Upper

264 100

260 24.3 20.0 30.0

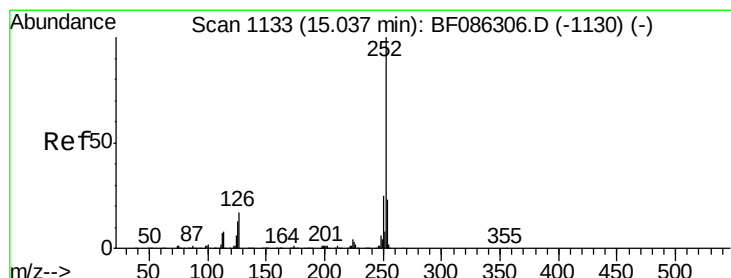
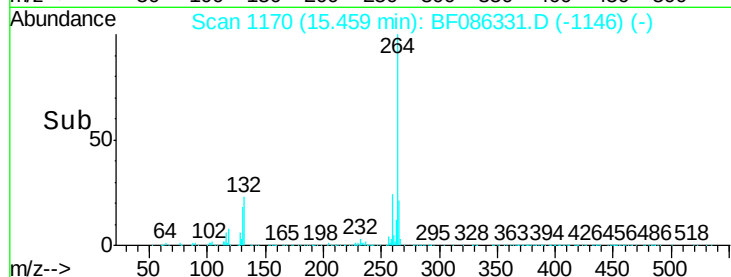
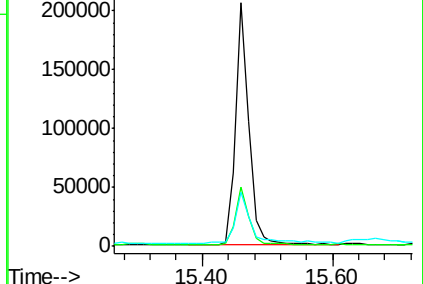
265 22.1 17.4 26.0



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: 11.88 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF086331.D

Acq: 21 Apr 2016 1:58

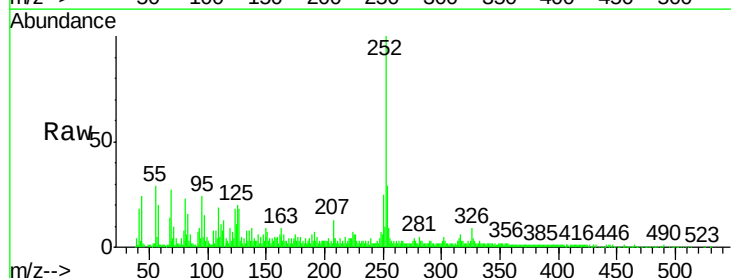
Tgt Ion:252 Resp: 195321

Ion Ratio Lower Upper

252 100

253 28.6 17.7 26.5#

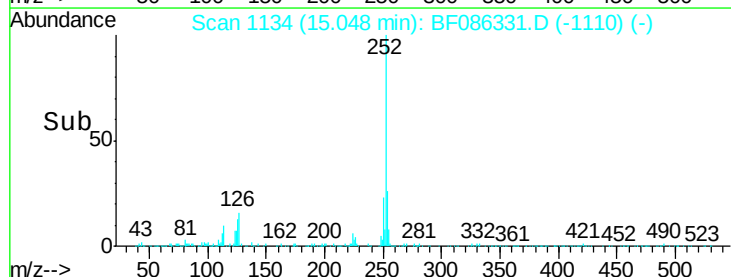
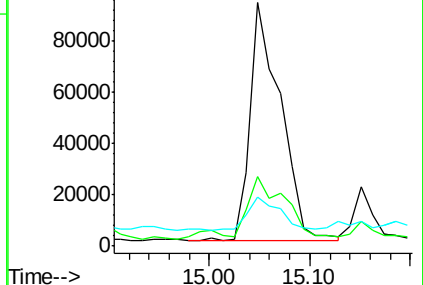
125 20.0 10.3 15.5#

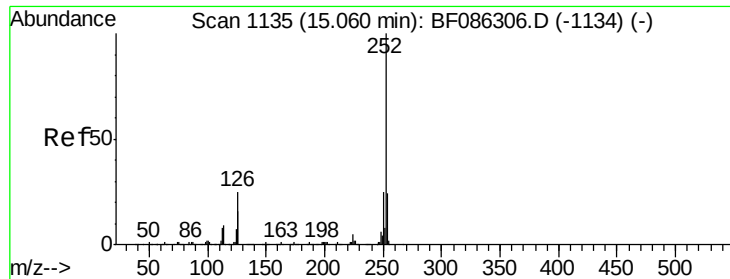


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

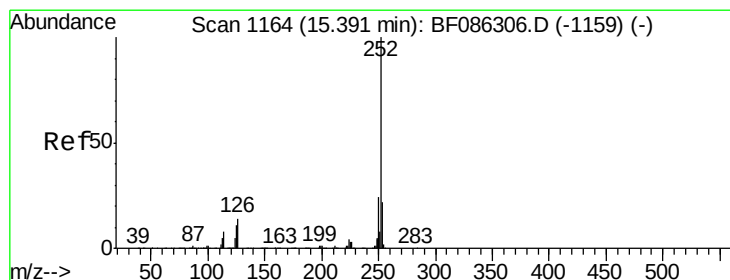
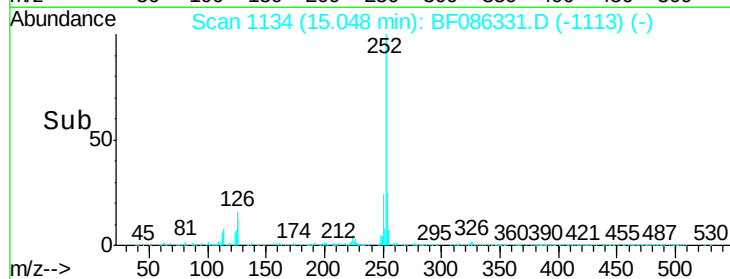
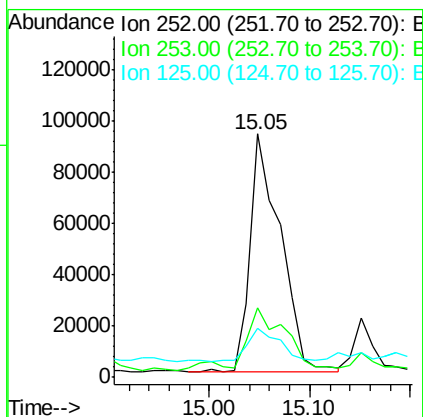
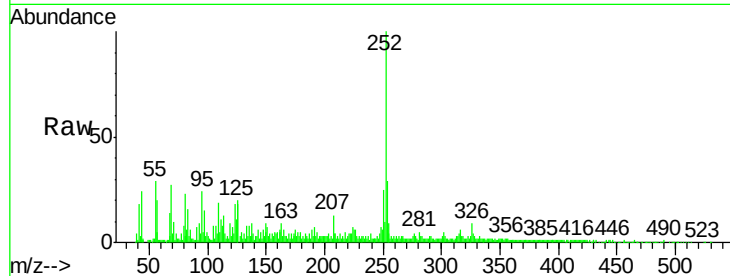




#88
Benzo(k)fluoranthene
Concen: 14.11 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF086331.D
Acq: 21 Apr 2016 1:58

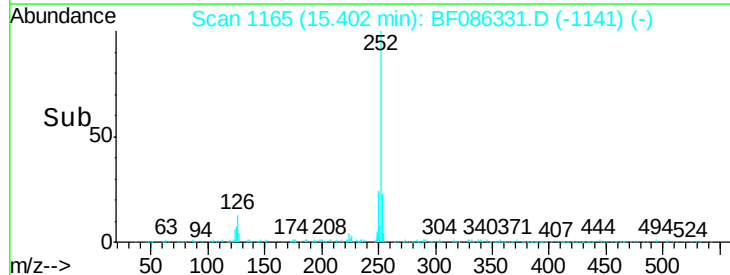
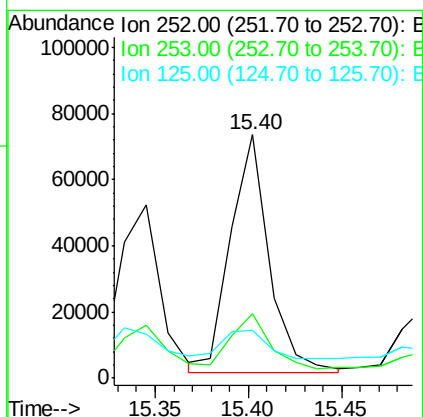
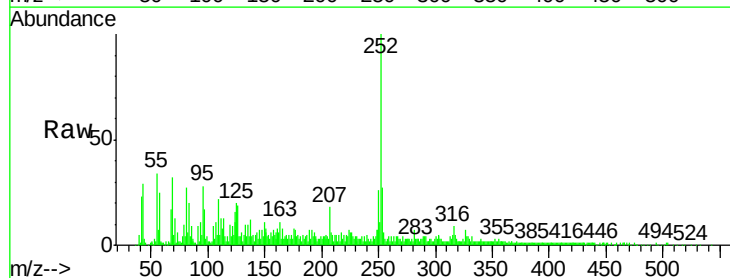
Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)I

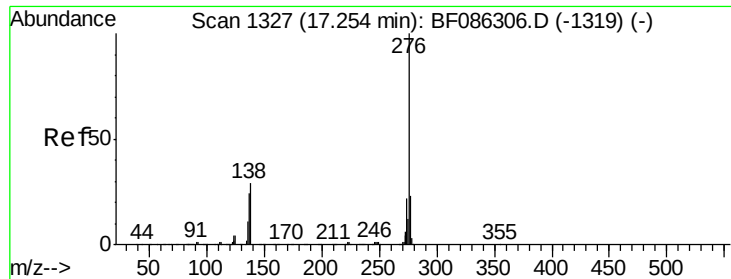
Tgt Ion: 252 Resp: 195321
Ion Ratio Lower Upper
252 100
253 28.6 17.5 26.3#
125 20.0 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 6.83 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086331.D
Acq: 21 Apr 2016 1:58

Tgt Ion: 252 Resp: 103532
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 19.8 11.2 16.8#





#91

Benzo(g,h,i)perylene

Concen: 6.18 ng

RT: 17.29 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BF086331.D

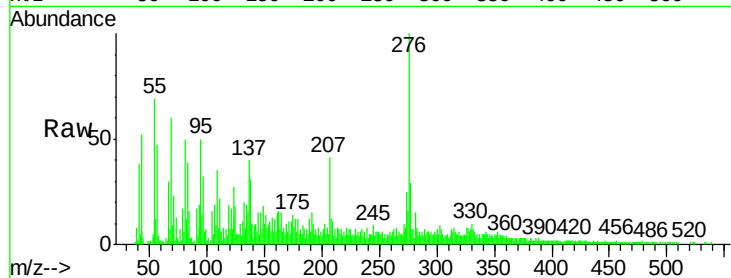
Acq: 21 Apr 2016 1:58

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)I



Tgt Ion: 276 Resp: 78427

Ion Ratio Lower Upper

276 100

277 28.8 19.0 28.6#

138 31.0 19.6 29.4#

