

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042116\
 Data File : BF086350.D
 Acq On : 21 Apr 2016 18:19
 Operator : UM/SJ
 Sample : H2601-13DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Apr 22 00:50:23 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

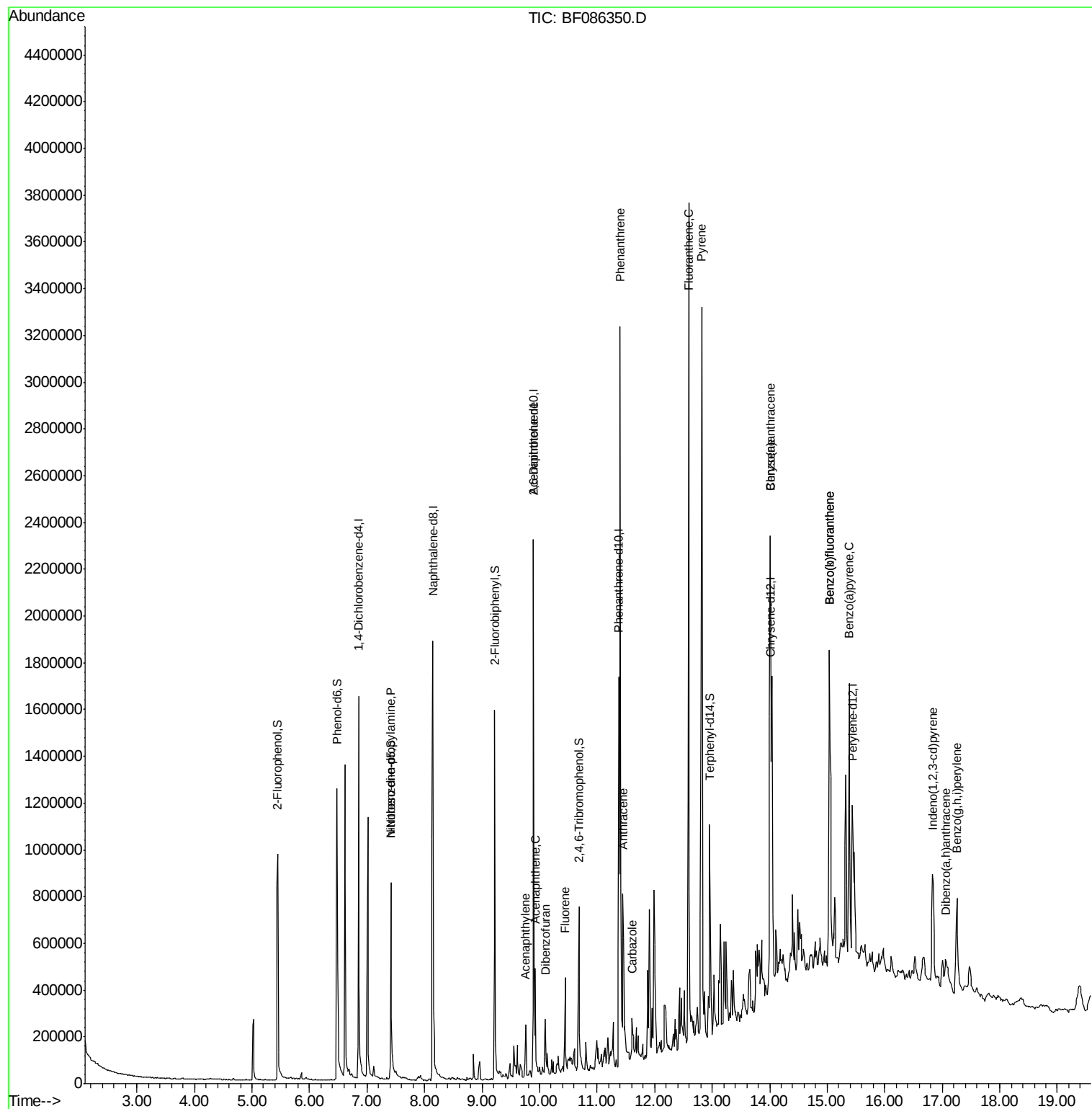
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	279970	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1199585	20.00	ng	-0.03
38) Acenaphthene-d10	9.89	164	469866	20.00	ng	-0.05
63) Phenanthrene-d10	11.38	188	739212	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	390404	20.00	ng	-0.03
86) Perylene-d12	15.44	264	400211	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	472068	29.42	ng	-0.03
7) Phenol-d6	6.48	99	653516	31.12	ng	-0.05
23) Nitrobenzene-d5	7.41	82	408683	19.51	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	105030	28.68	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	624088	18.28	ng	-0.04
78) Terphenyl-d14	12.96	244	341451	20.82	ng	-0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	50844	4.00	ng	# 77
48) Acenaphthylene	9.76	152	106744	2.44	ng	97
50) 2,6-Dinitrotoluene	9.89	165	61947	8.42	ng	# 32
51) Acenaphthene	9.93	154	105601	4.12	ng	97
54) Dibenzofuran	10.10	168	104279	2.99	ng	# 97
57) Fluorene	10.44	166	149987	5.81	ng	98
70) Phenanthrene	11.40	178	1272009	36.31	ng	100
71) Anthracene	11.45	178	464880	12.39	ng	98
72) Carbazole	11.61	167	129624	3.65	ng	98
74) Fluoranthene	12.59	202	1628612	50.14	ng	99
77) Pyrene	12.82	202	1457367	50.32	ng	99
80) Benzo(a)anthracene	14.01	228	747142	36.33	ng	97
82) Chrysene	14.01	228	747142	33.61	ng	97
85) Indeno(1,2,3-cd)pyrene	16.83	276	420413	18.39	ng	94
87) Benzo(b)fluoranthene	15.04	252	1203268	51.98	ng	97
88) Benzo(k)fluoranthene	15.04	252	1203268	61.75	ng	# 94
89) Benzo(a)pyrene	15.38	252	672448	31.52	ng	96
90) Dibenzo(a,h)anthracene	17.06	278	56539	3.04	ng	93
91) Benzo(g,h,i)perylene	17.25	276	375686	21.04	ng	97

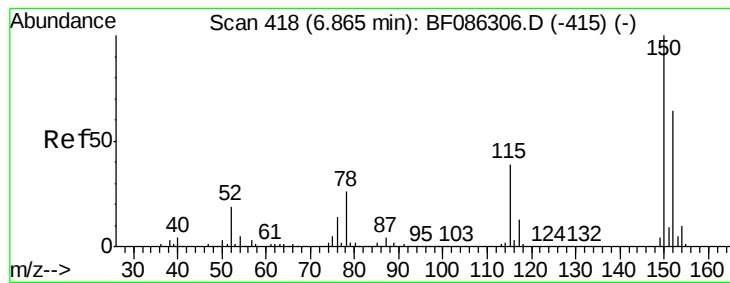
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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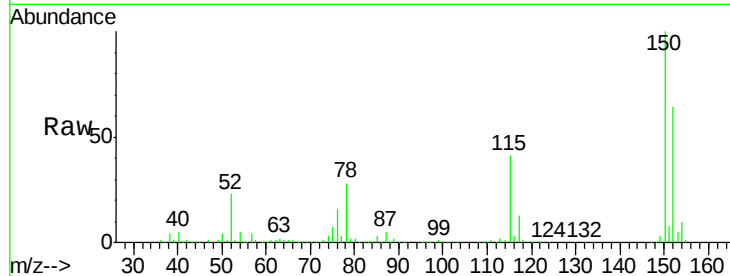


#1

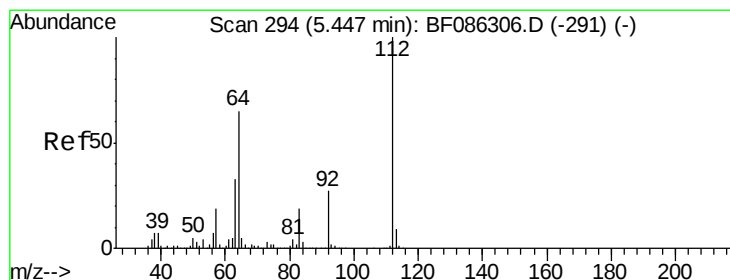
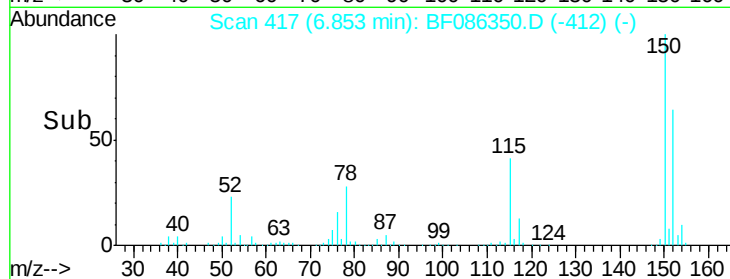
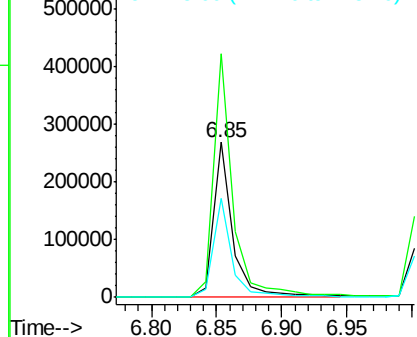
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

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

Tgt Ion:152 Resp: 279970
Ion Ratio Lower Upper
152 100
150 157.1 124.1 186.1
115 63.7 43.9 65.9



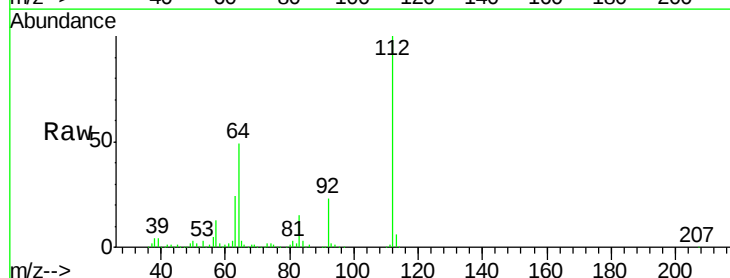
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



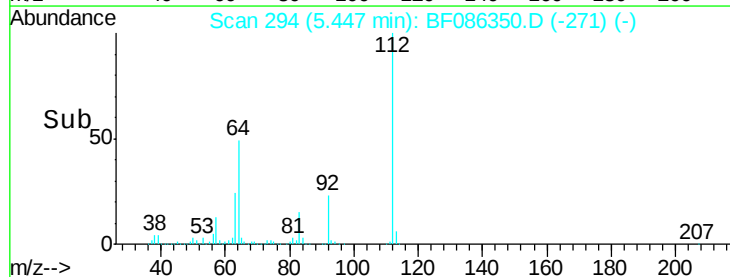
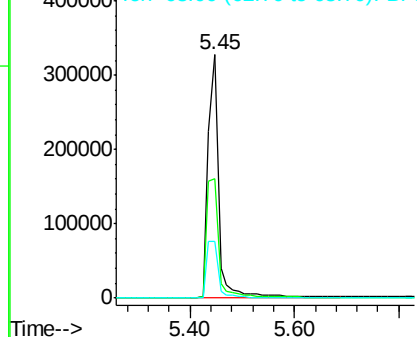
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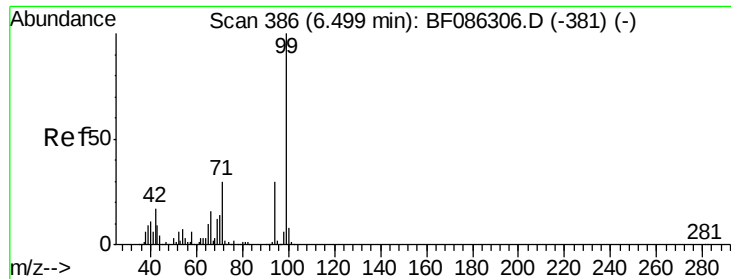
2-Fluorophenol
Concen: 29.42 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.03 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

Tgt Ion:112 Resp: 472068
Ion Ratio Lower Upper
112 100
64 49.0 48.1 72.1
63 23.5 25.5 38.3#



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: 31.12 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

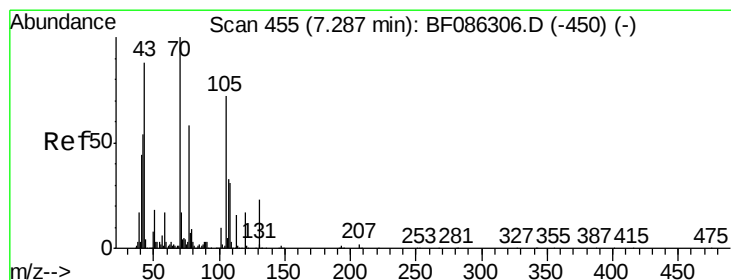
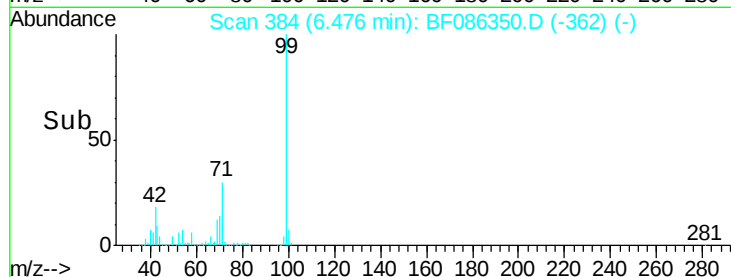
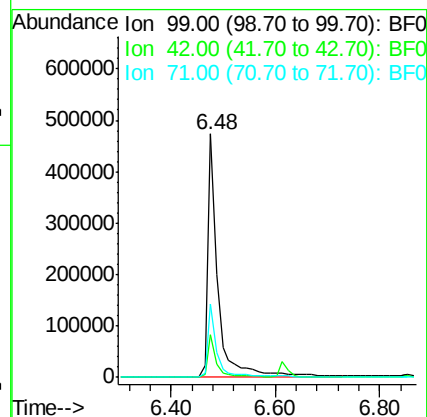
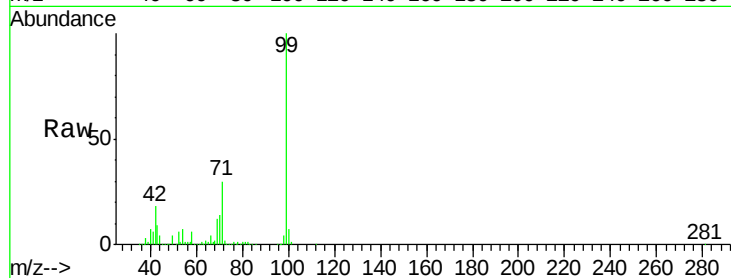
Tgt Ion: 99 Resp: 653516

Ion Ratio Lower Upper

99 100

42 17.6 15.4 23.2

71 30.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.00 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.10 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Tgt Ion: 70 Resp: 50844

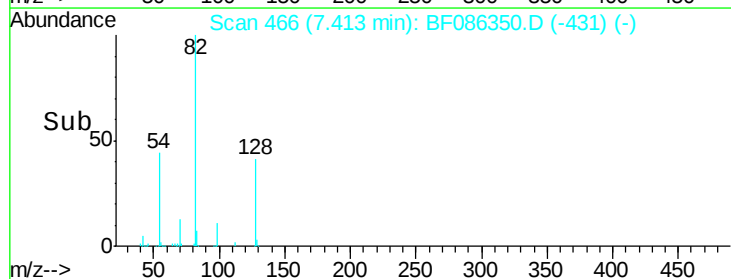
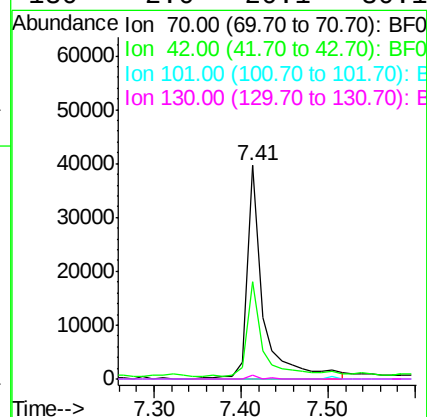
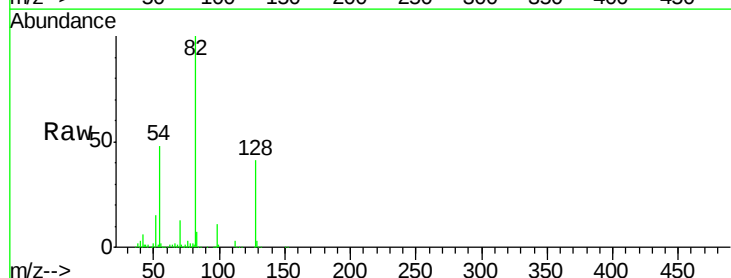
Ion Ratio Lower Upper

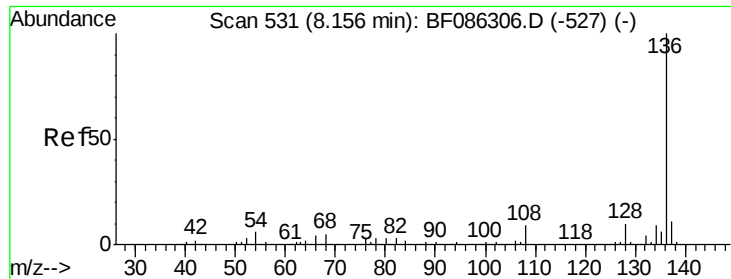
70 100

42 45.4 43.0 64.4

101 0.0 8.1 12.1#

130 2.0 20.1 30.1#

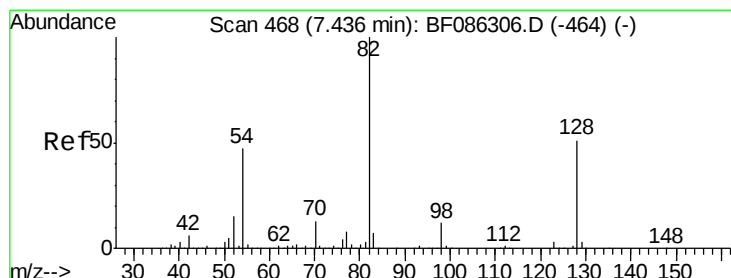
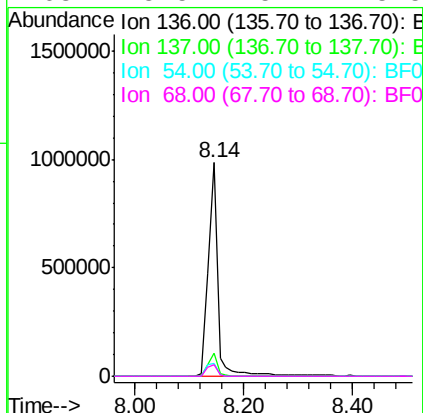
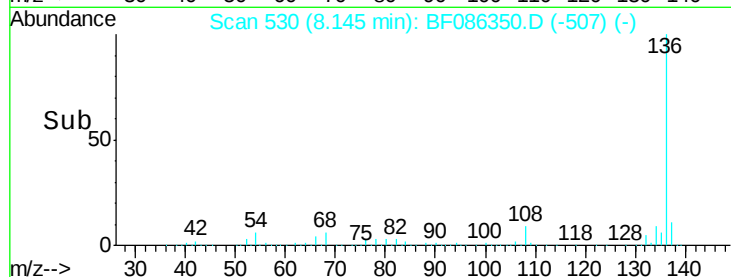
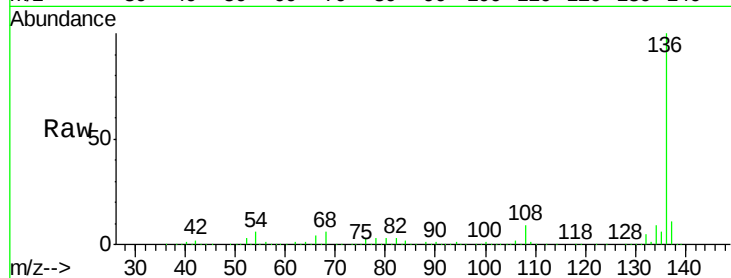




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.03 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

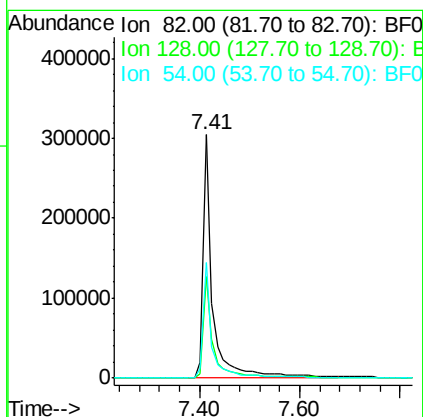
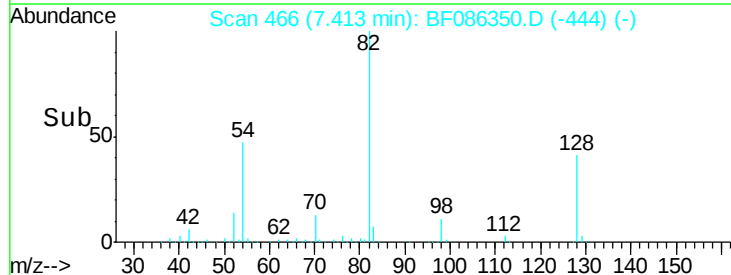
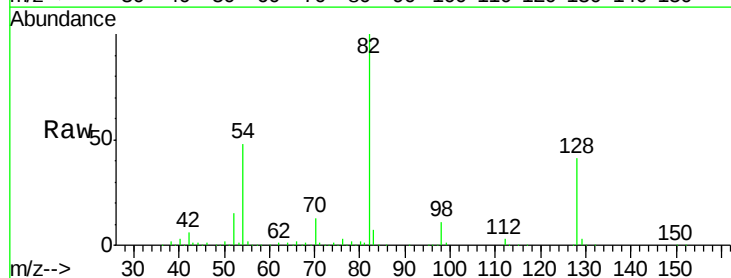
Instrument :
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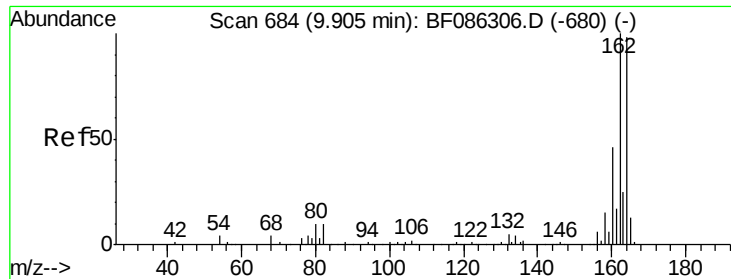
Tgt Ion:136 Resp: 1199585
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.1 7.3 10.9#
68 5.5 5.7 8.5#



#23
Nitrobenzene-d5
Concen: 19.51 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.05 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

Tgt Ion: 82 Resp: 408683
Ion Ratio Lower Upper
82 100
128 41.5 35.4 53.2
54 47.5 43.4 65.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.05 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

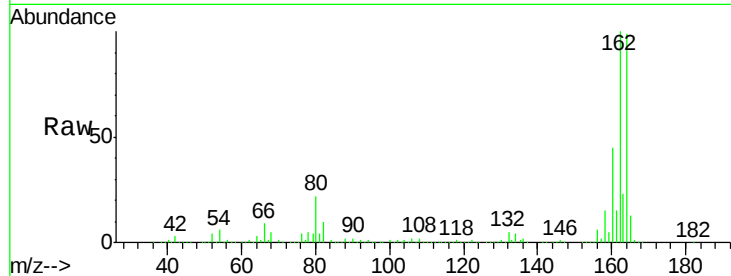
Tgt Ion:164 Resp: 469866

Ion Ratio Lower Upper

164 100

162 101.2 82.8 124.2

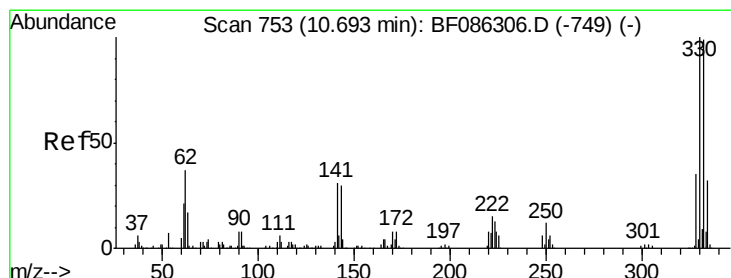
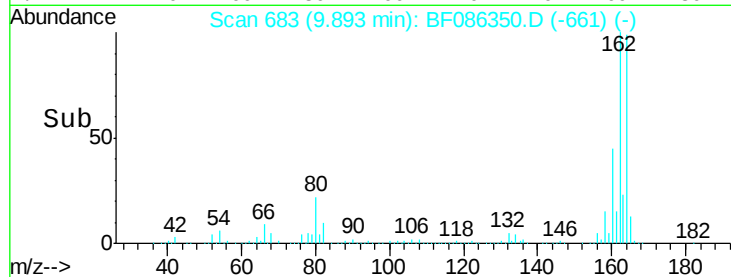
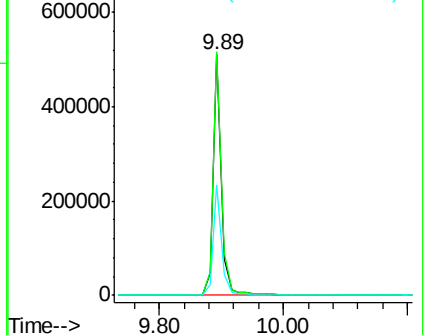
160 45.8 38.9 58.3



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: 28.68 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.05 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

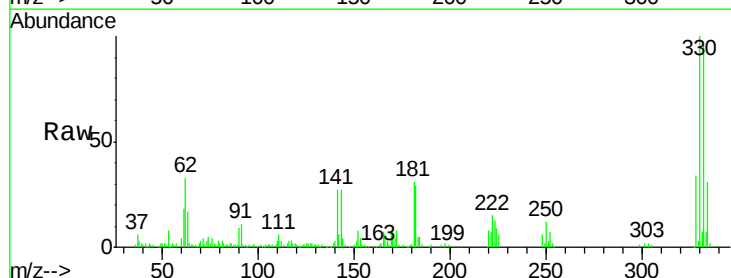
Tgt Ion:330 Resp: 105030

Ion Ratio Lower Upper

330 100

332 97.7 78.7 118.1

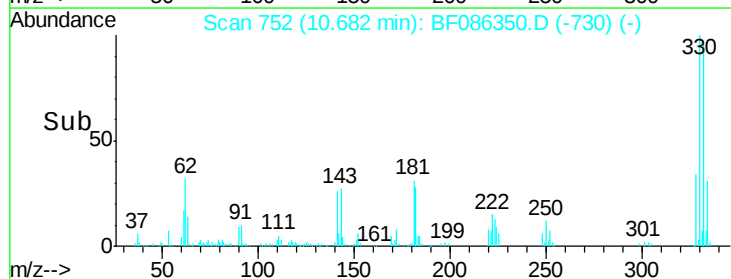
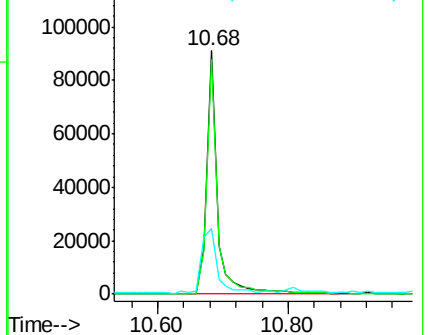
141 38.6 28.6 42.8

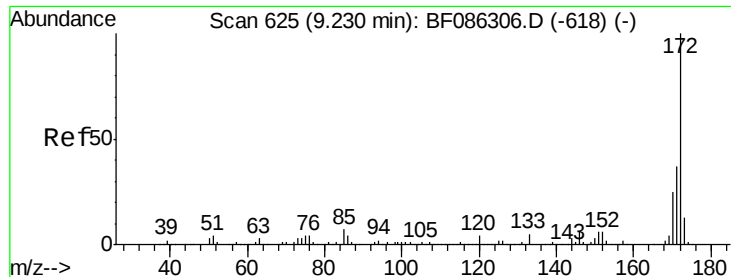


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

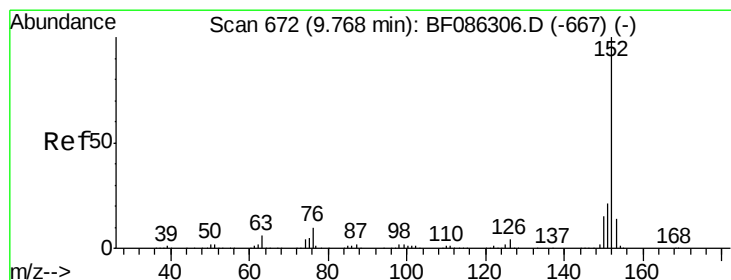
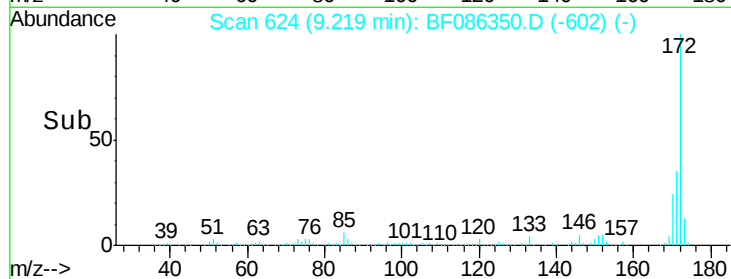
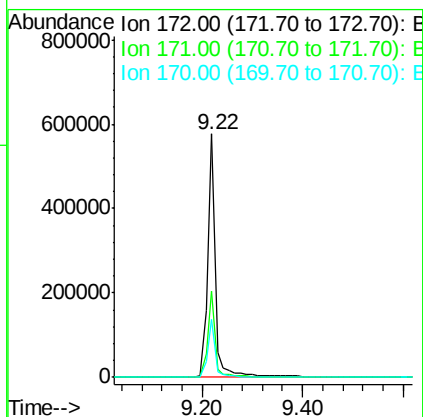
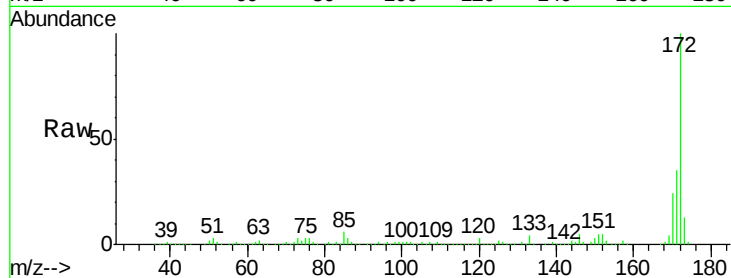




#44
 2-Fluorobiphenyl
 Concen: 18.28 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

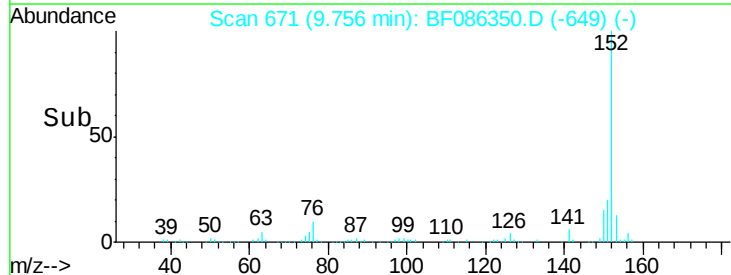
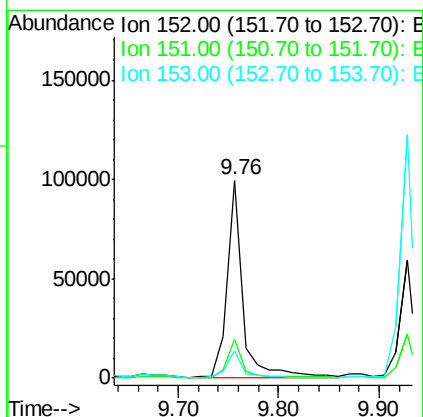
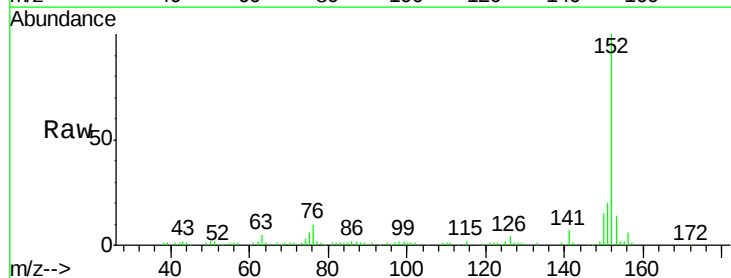
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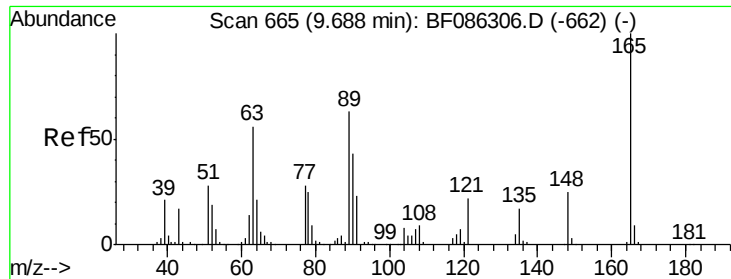
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.1	43.7
170	24.1	19.9	29.9



#48
 Acenaphthylene
 Concen: 2.44 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.04 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	17.2	25.8
153	14.0	10.7	16.1

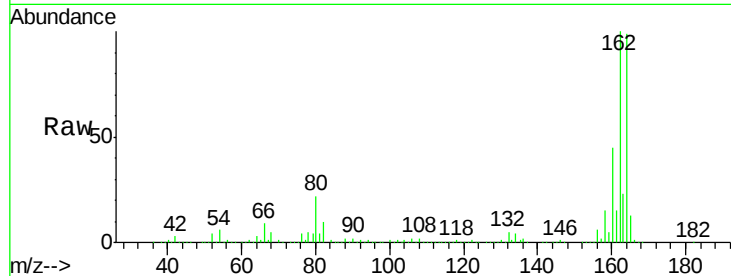




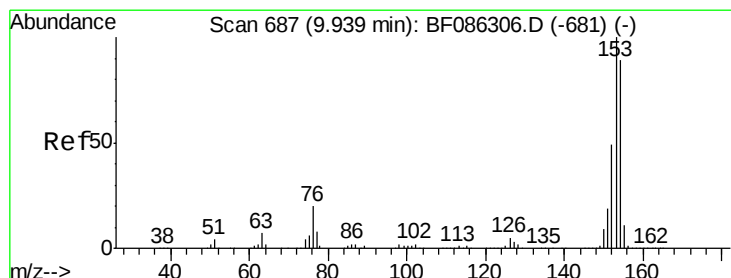
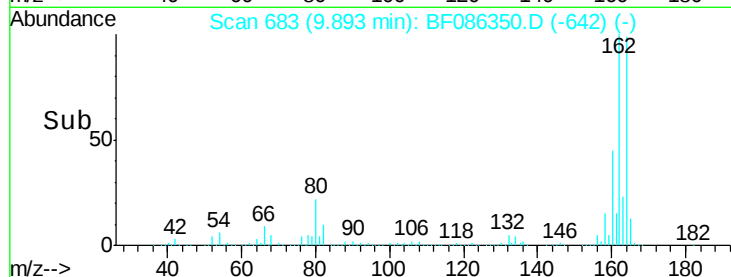
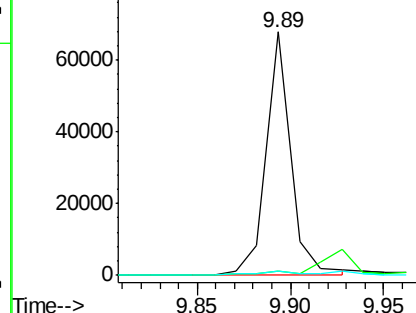
#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.17 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	35.1	52.7#
89	1.8	39.8	59.6#

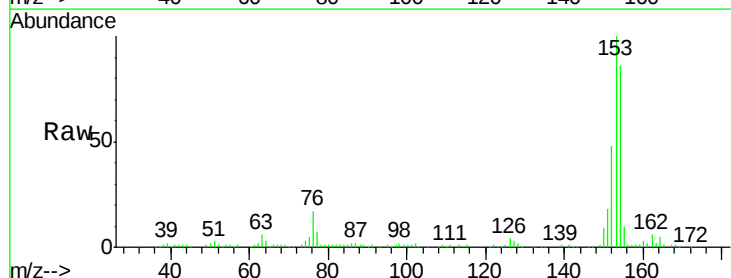


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

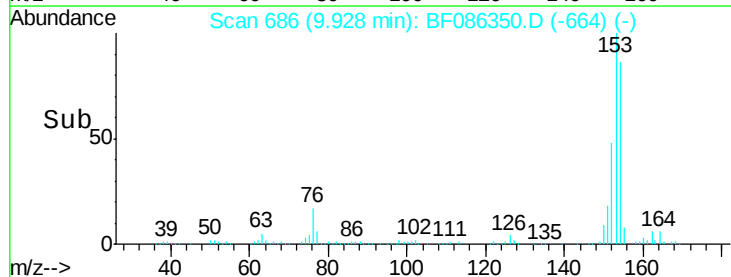
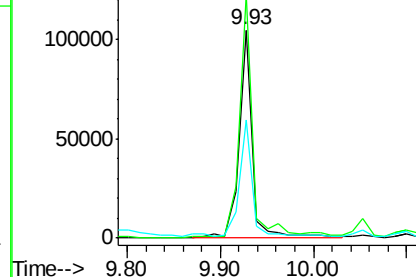


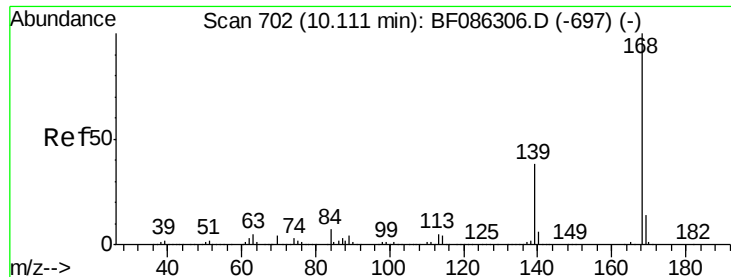
#51
 Acenaphthene
 Concen: 4.12 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.05 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.9	90.0	135.0
152	56.7	44.3	66.5



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

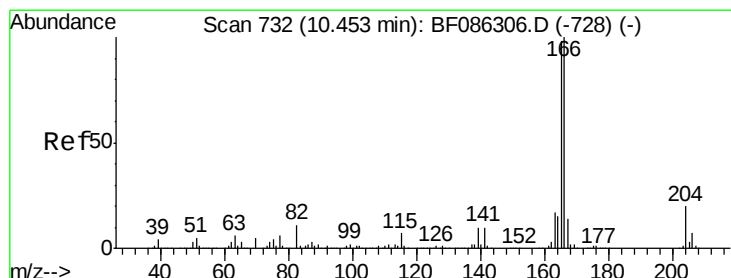
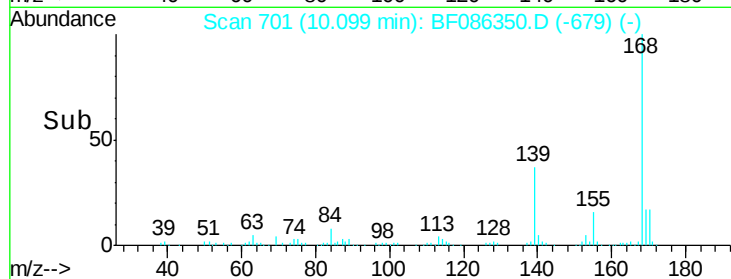
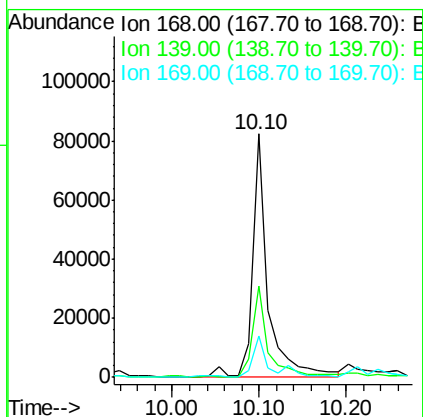
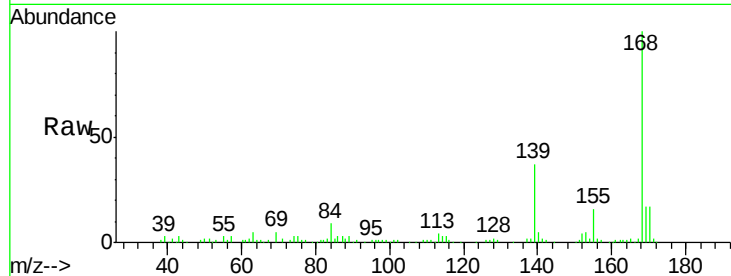




#54
Dibenzenofuran
Concen: 2.99 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.04 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

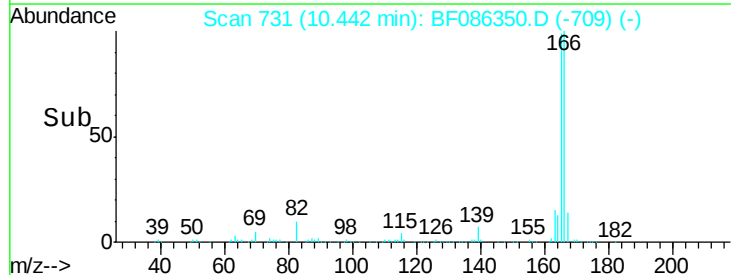
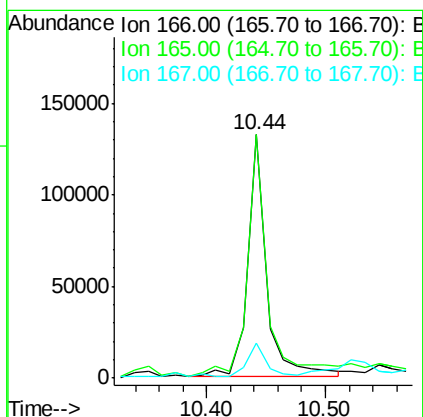
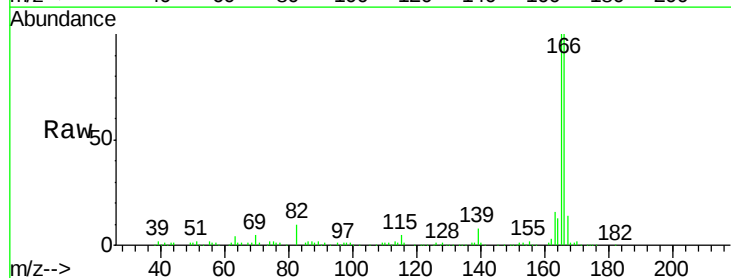
Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)GDL

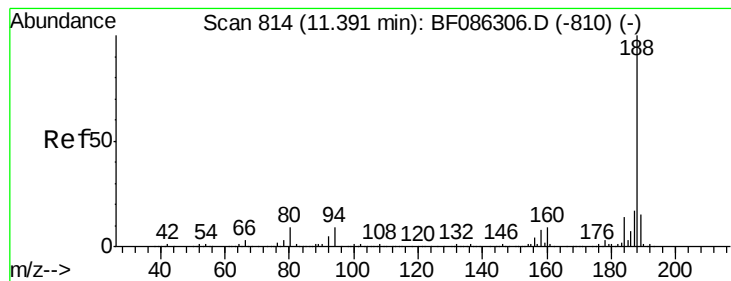
Tgt Ion:168 Resp: 104279
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 16.9 10.6 16.0#



#57
Fluorene
Concen: 5.81 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.05 min
Lab File: BF086350.D
Acq: 21 Apr 2016 18:19

Tgt Ion:166 Resp: 149987
Ion Ratio Lower Upper
166 100
165 99.8 78.6 117.8
167 14.3 10.4 15.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

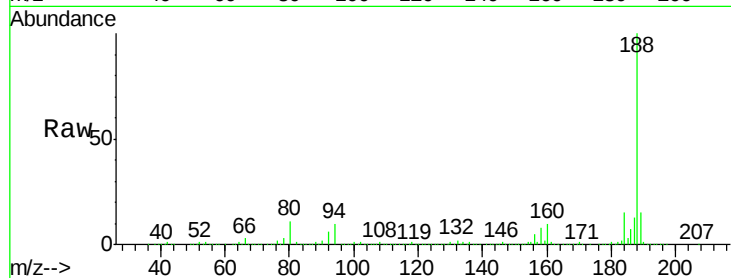
Tgt Ion:188 Resp: 739212

Ion Ratio Lower Upper

188 100

94 10.3 9.8 14.8

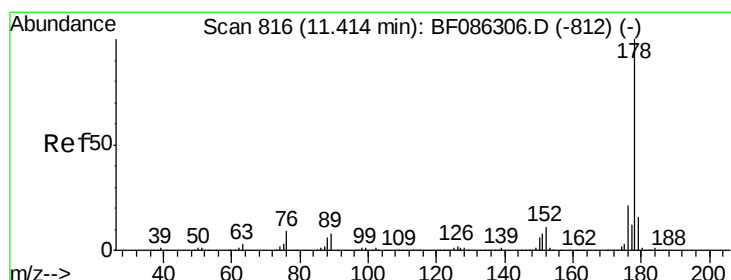
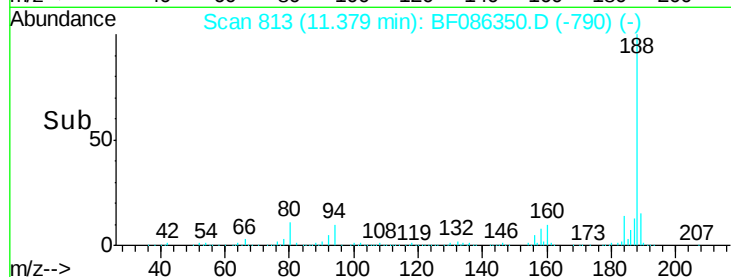
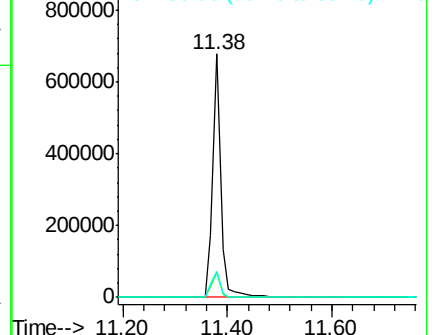
80 10.7 10.5 15.7



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



#70

Phenanthrene

Concen: 36.31 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

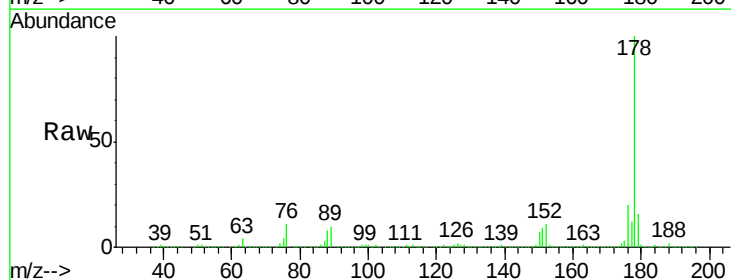
Tgt Ion:178 Resp: 1272009

Ion Ratio Lower Upper

178 100

176 20.3 16.3 24.5

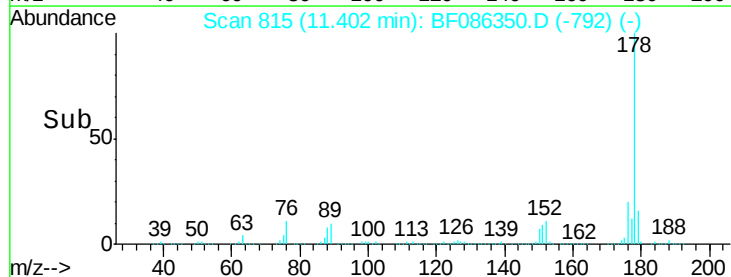
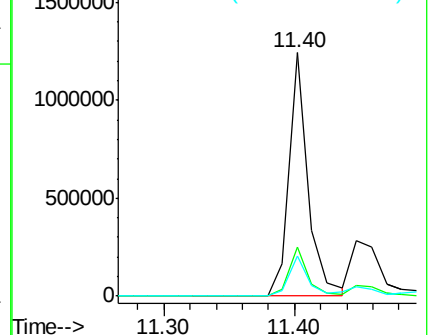
179 16.2 13.0 19.6

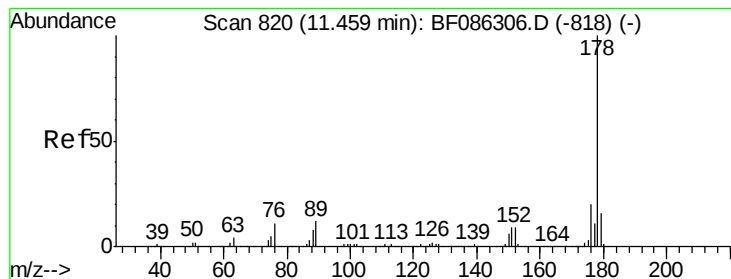


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 12.39 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.05 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

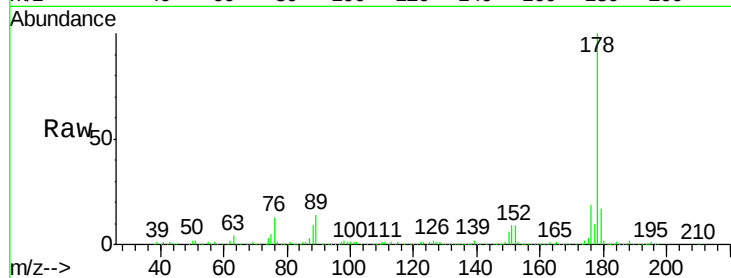
Tgt Ion:178 Resp: 464880

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

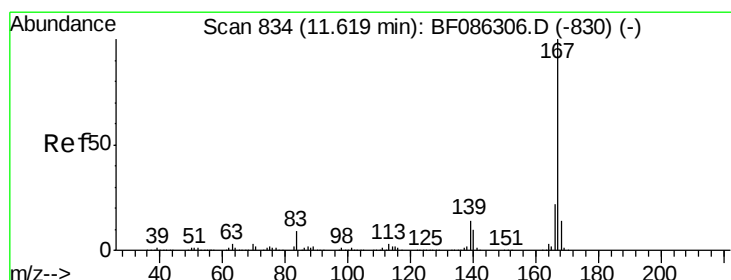
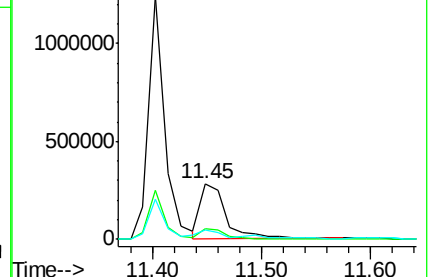
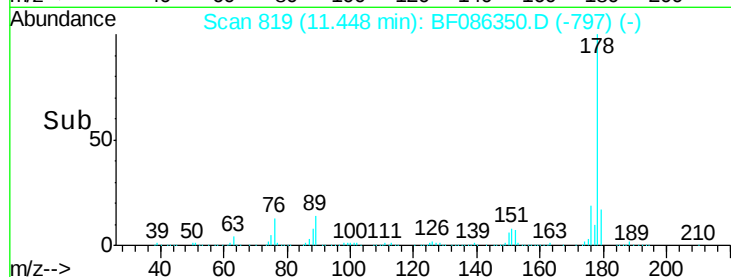
179 17.3 13.2 19.8



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



#72

Carbazole

Concen: 3.65 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

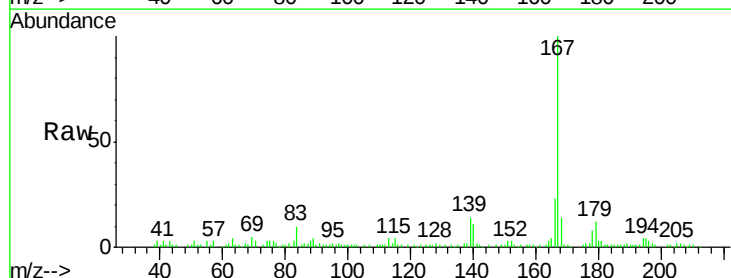
Tgt Ion:167 Resp: 129624

Ion Ratio Lower Upper

167 100

166 22.5 18.3 27.5

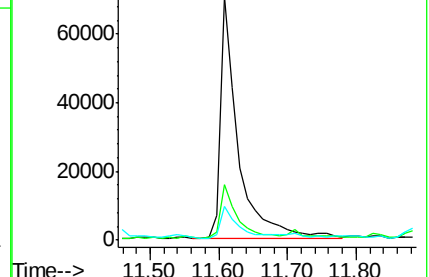
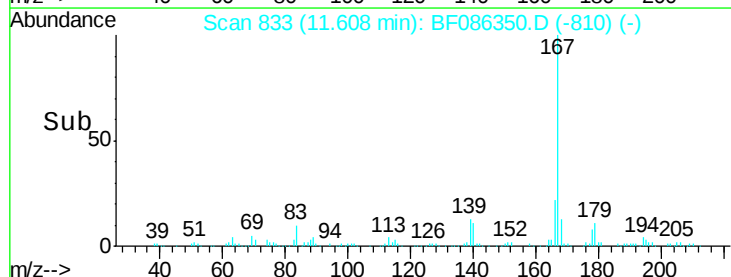
139 13.9 12.3 18.5

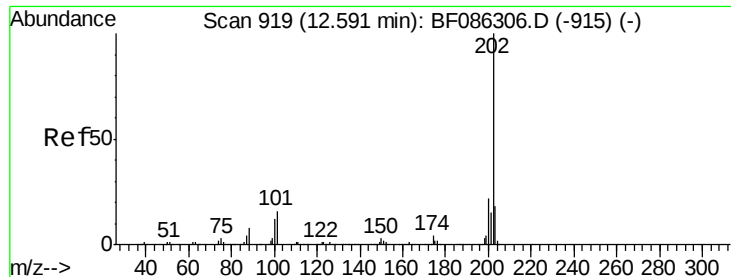


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 50.14 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

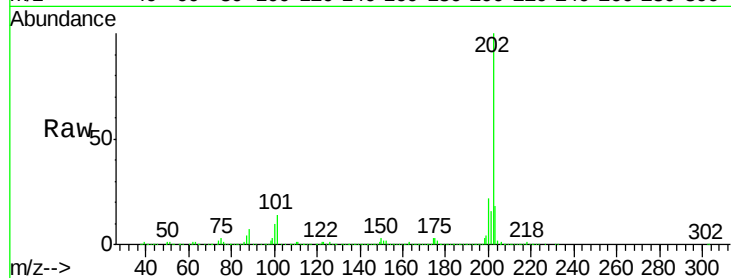
Tgt Ion:202 Resp: 1628612

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.2

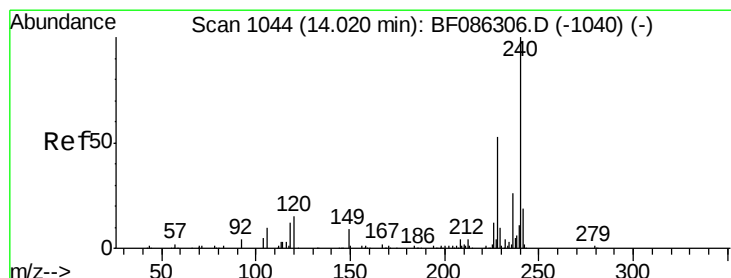
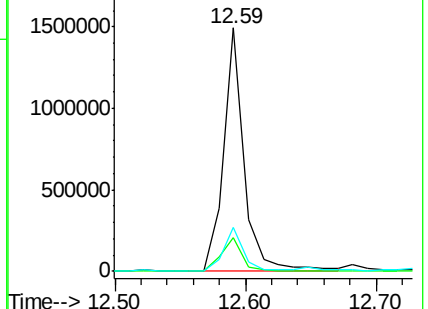
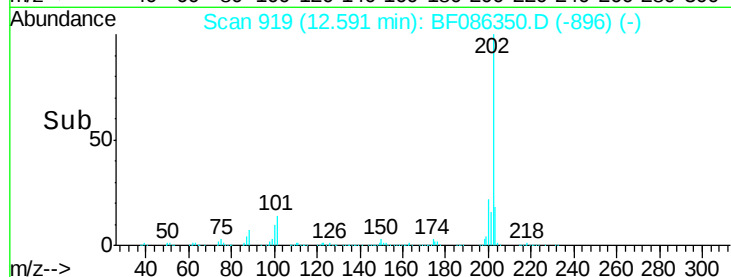
203 18.2 0.0 38.2



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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

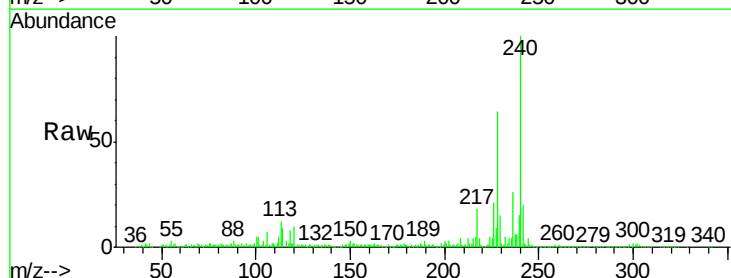
Tgt Ion:240 Resp: 390404

Ion Ratio Lower Upper

240 100

120 9.9 9.3 13.9

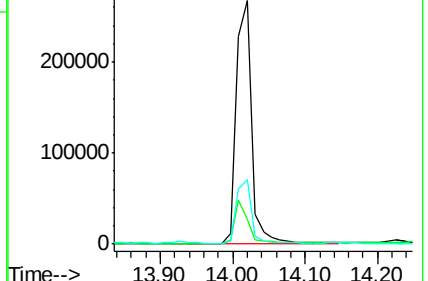
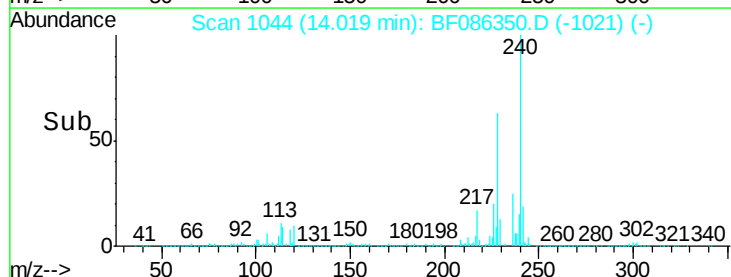
236 26.3 21.1 31.7

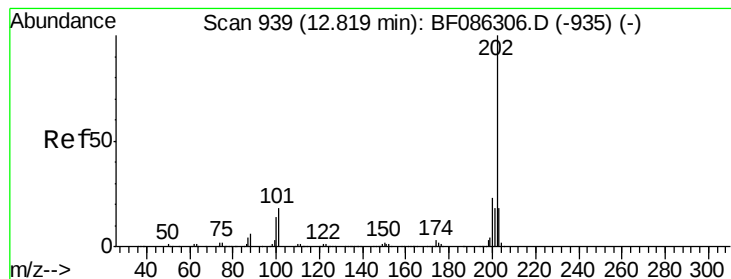


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 50.32 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

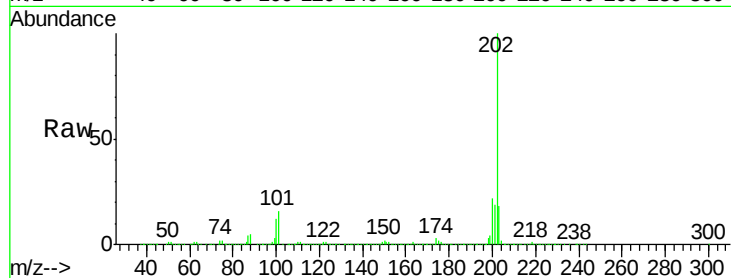
Tgt Ion:202 Resp: 1457367

Ion Ratio Lower Upper

202 100

200 22.1 18.3 27.5

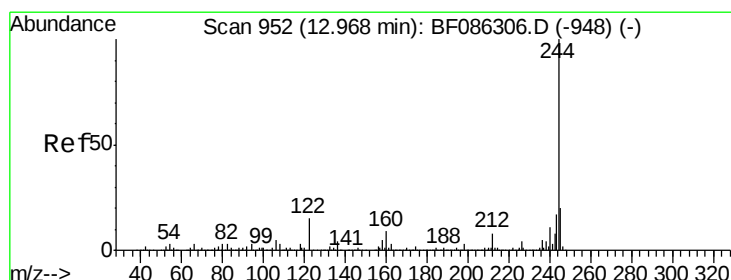
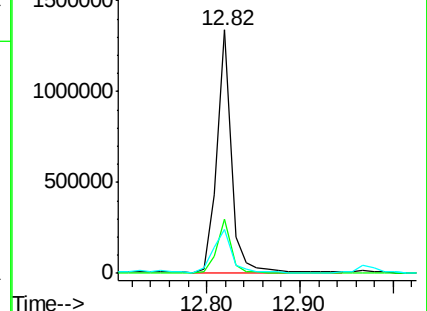
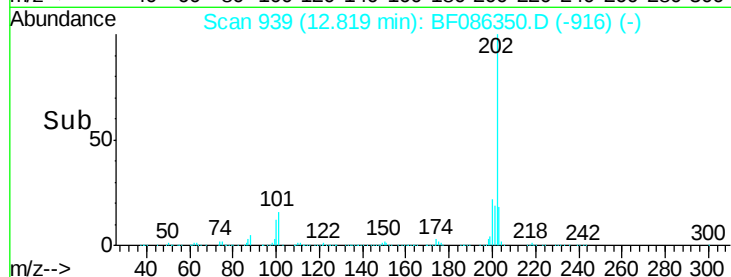
203 18.1 14.9 22.3



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: 20.82 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.05 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

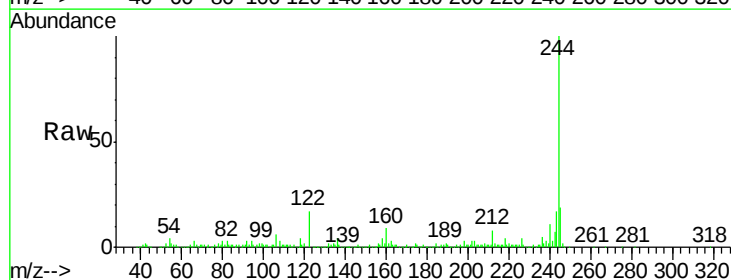
Tgt Ion:244 Resp: 341451

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

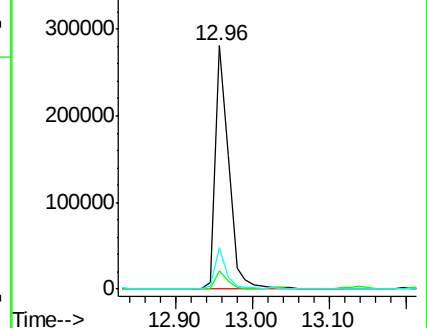
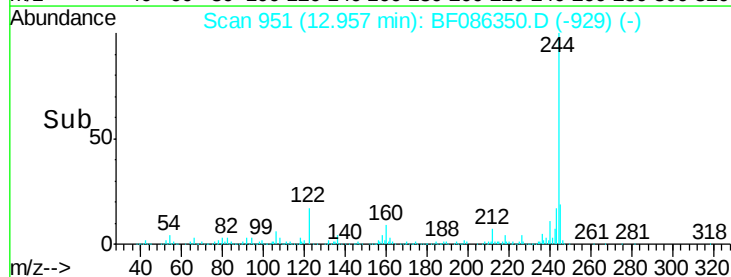
122 17.2 11.7 17.5

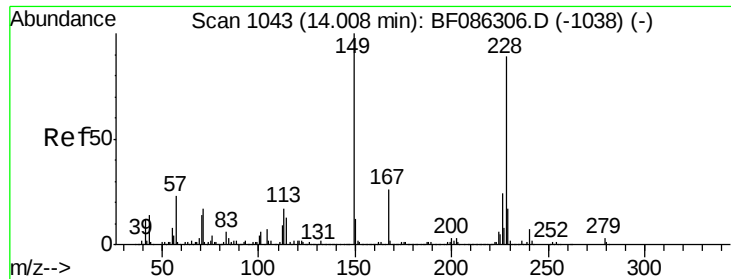


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 36.33 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

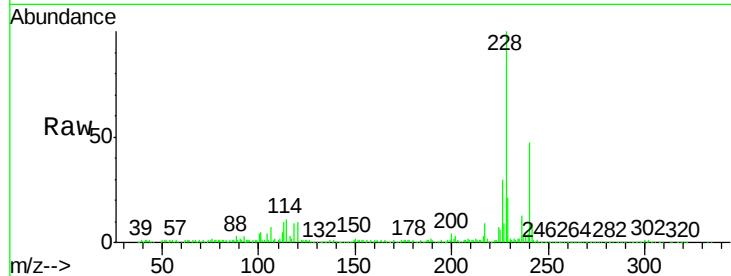
Tgt Ion:228 Resp: 747142

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

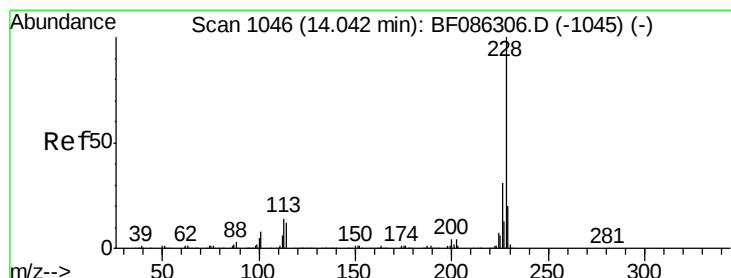
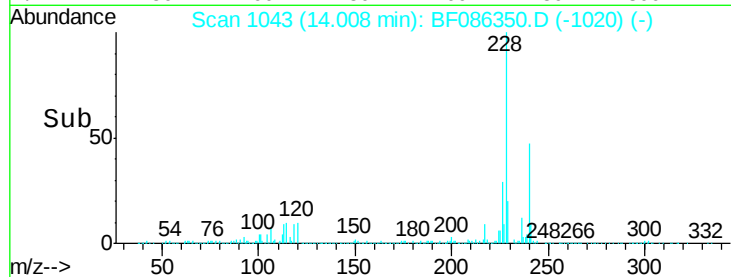
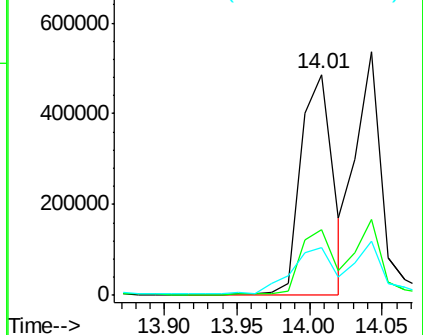
229 21.4 16.2 24.2



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: 33.61 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.07 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

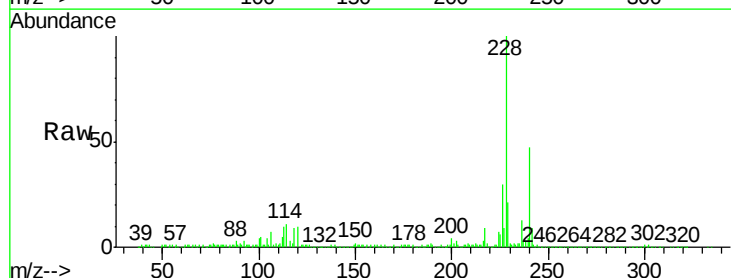
Tgt Ion:228 Resp: 747142

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

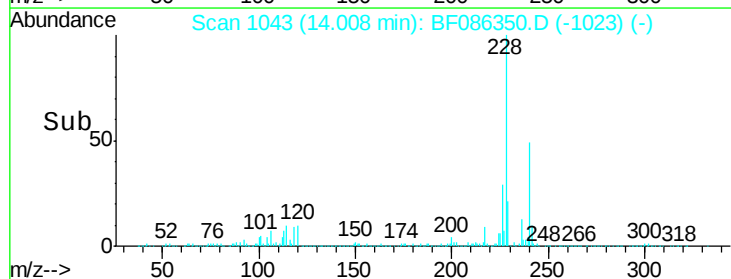
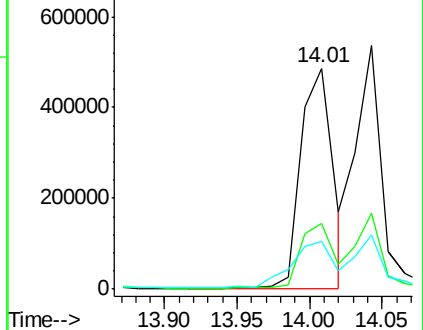
229 21.4 16.5 24.7

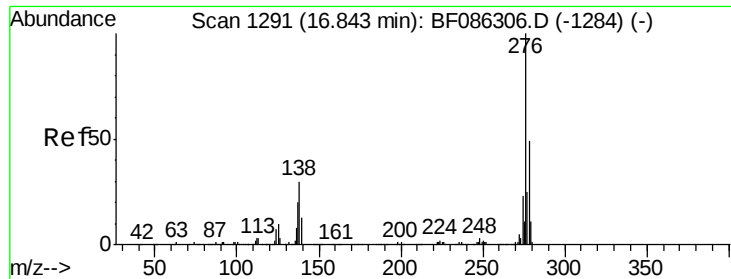


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

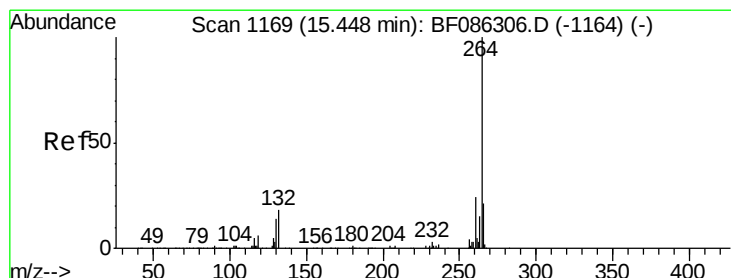
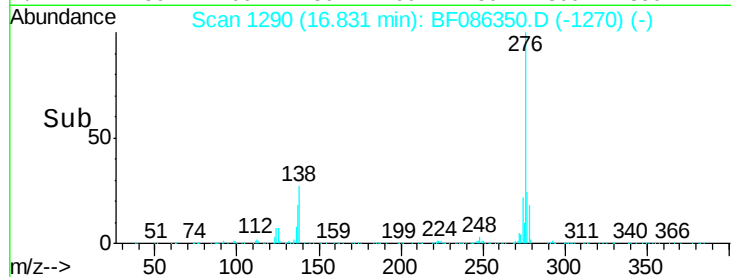
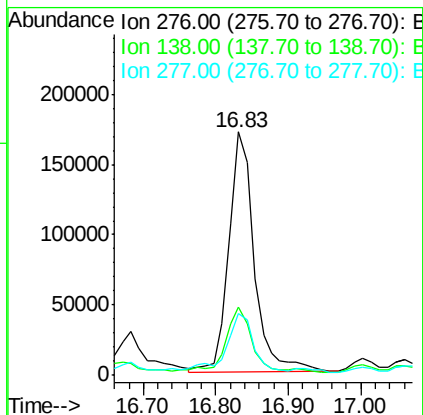
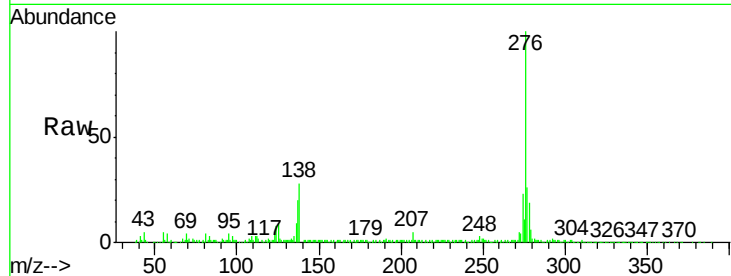




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.39 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.07 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

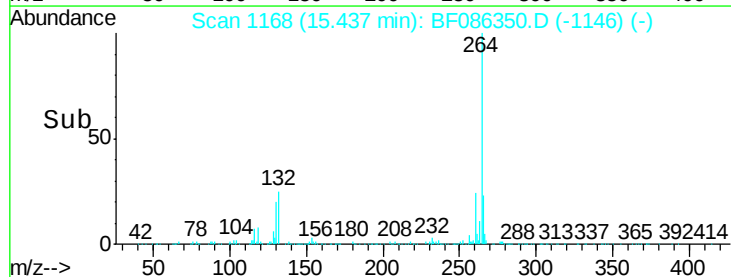
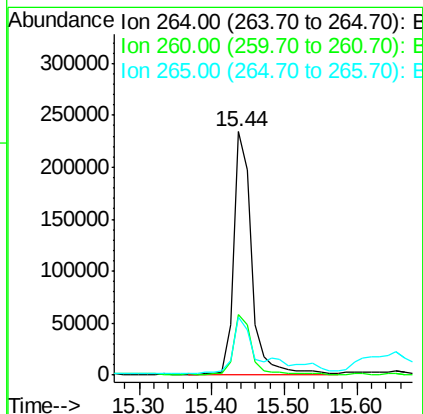
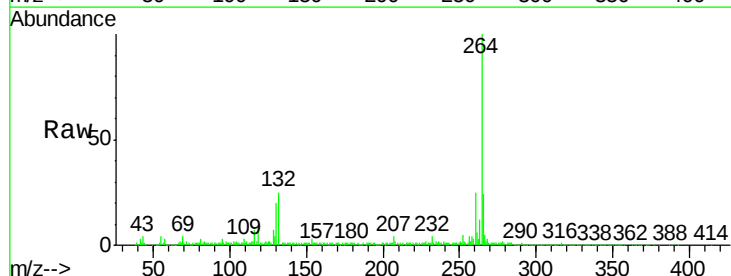
Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)GDL

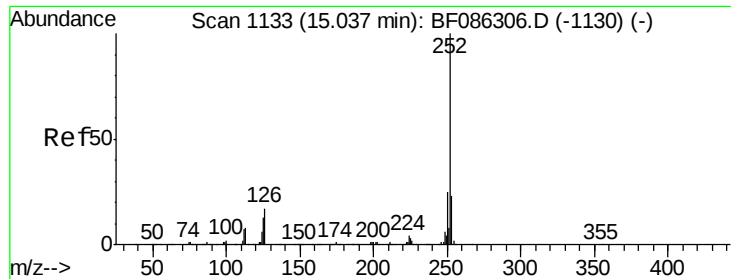
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	23.8	35.6
277	26.7	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.05 min
 Lab File: BF086350.D
 Acq: 21 Apr 2016 18:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	23.7	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 51.98 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

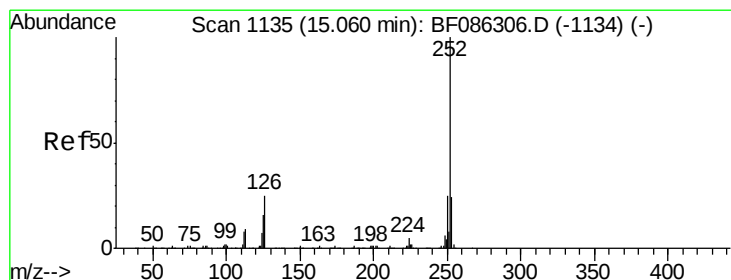
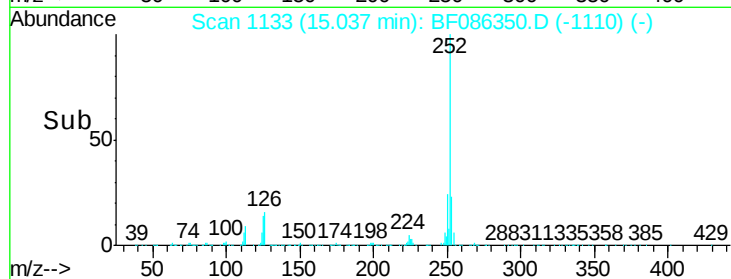
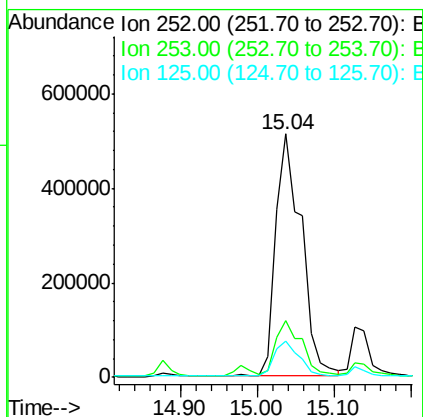
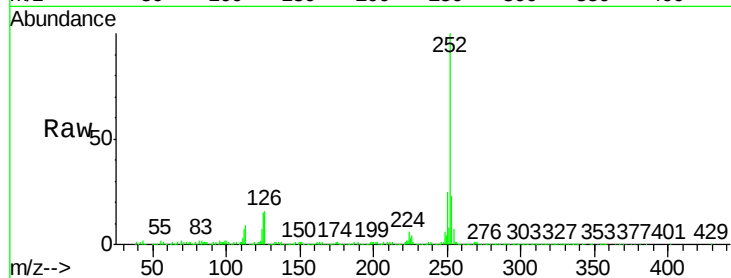
Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

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

Tgt Ion:252 Resp: 1203268

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	14.7	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 61.75 ng

RT: 15.04 min Scan# 1133

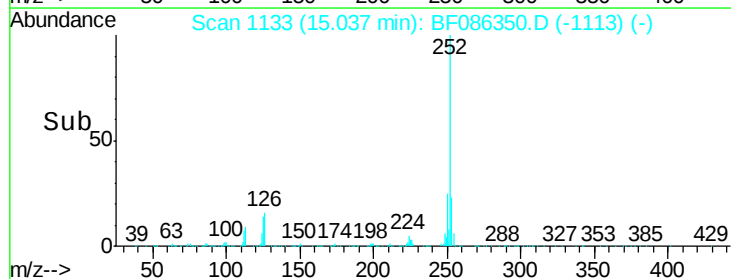
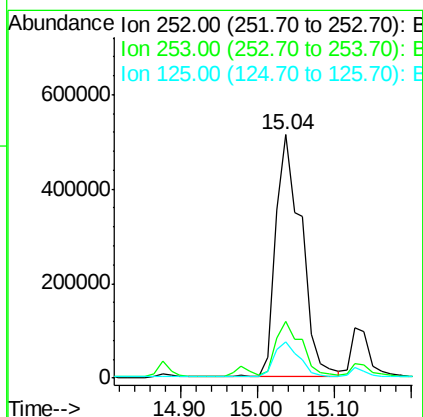
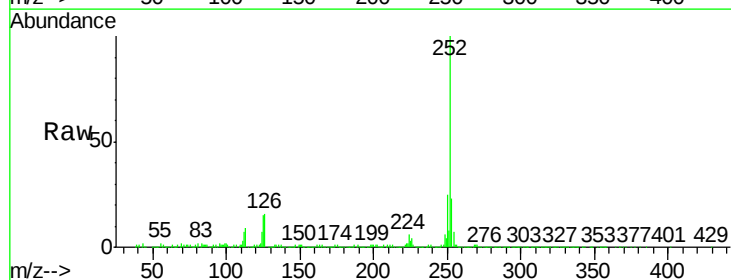
Delta R.T. -0.07 min

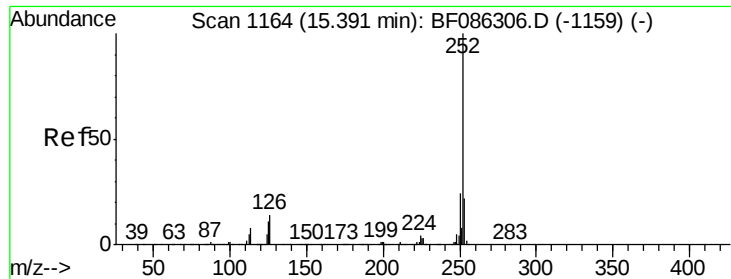
Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Tgt Ion:252 Resp: 1203268

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.7	7.8	11.6





#89

Benzo(a)pyrene

Concen: 31.52 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.05 min

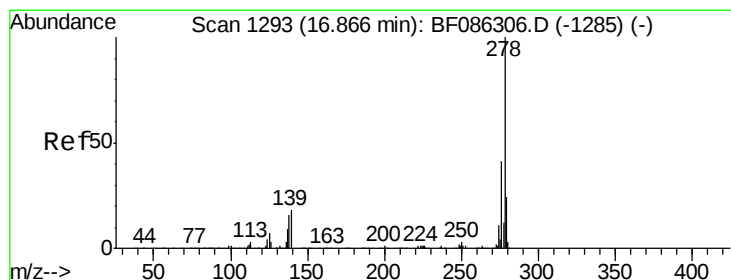
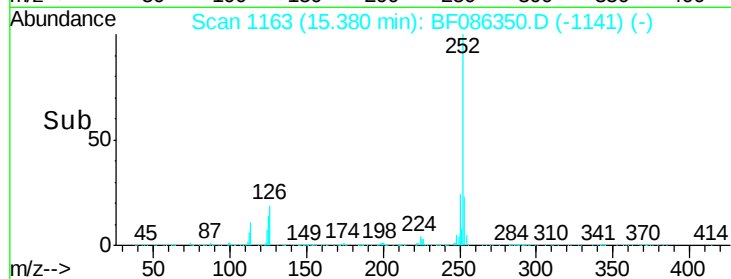
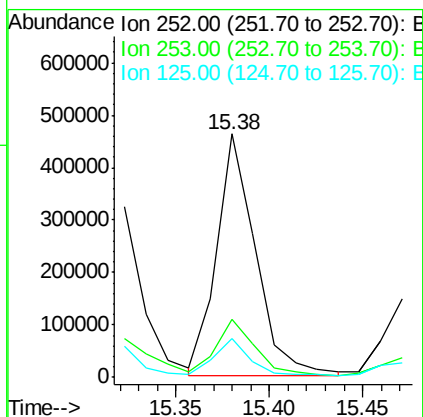
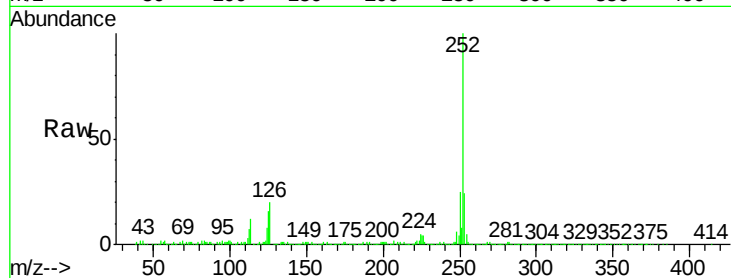
Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

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

Tgt Ion: 252 Resp: 672448

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	15.9	11.2	16.8



#90

Dibenzo(a,h)anthracene

Concen: 3.04 ng

RT: 17.06 min Scan# 1310

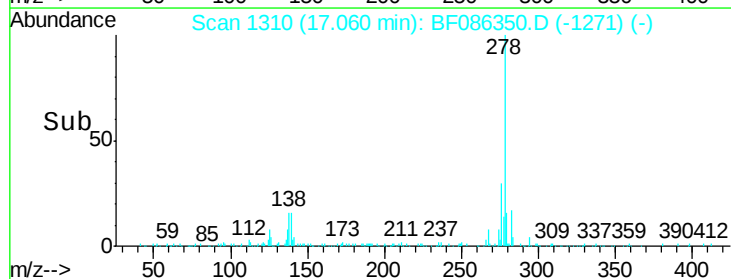
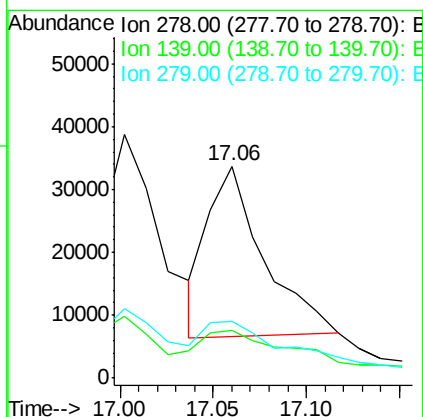
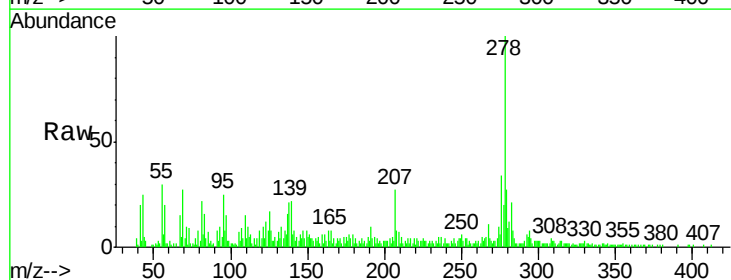
Delta R.T. 0.15 min

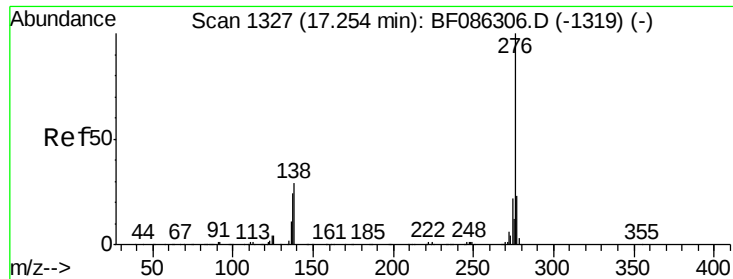
Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Tgt Ion: 278 Resp: 56539

Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.3	22.9
279	27.0	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 21.04 ng

RT: 17.25 min Scan# 1327

Delta R.T. -0.07 min

Lab File: BF086350.D

Acq: 21 Apr 2016 18:19

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)GDL

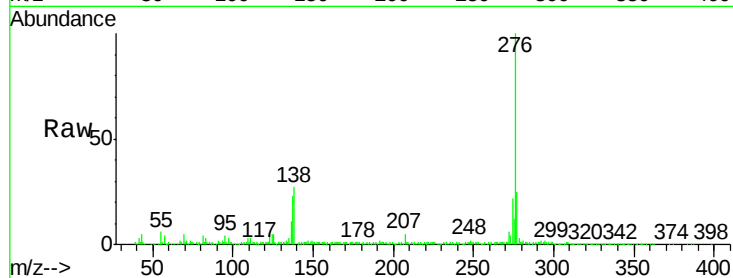
Tgt Ion: 276 Resp: 375686

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 26.9 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

