

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042116\
 Data File : BF086351.D
 Acq On : 21 Apr 2016 18:48
 Operator : UM/SJ
 Sample : H2601-15DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 22 01:16:18 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

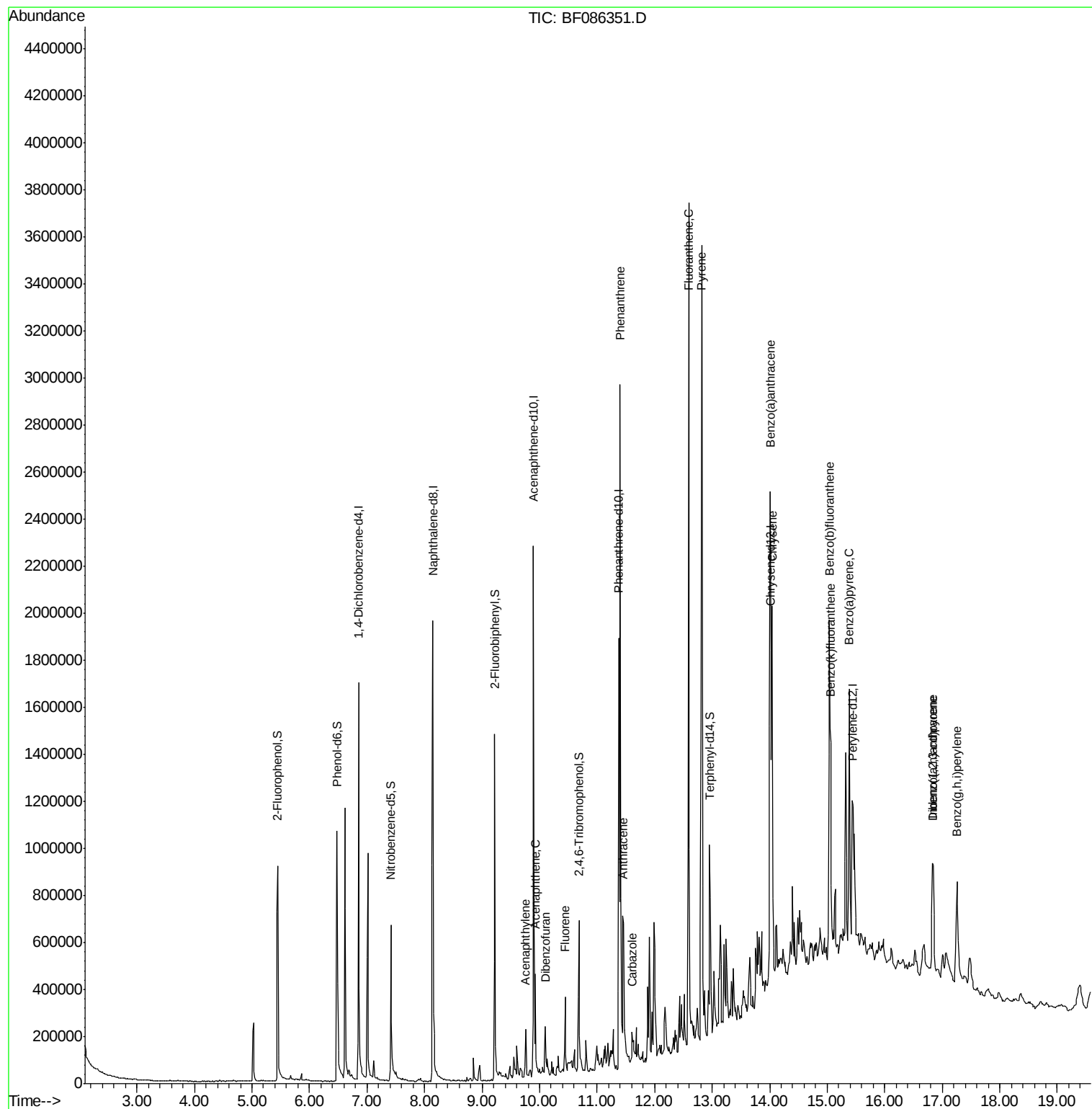
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	290098	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1190037	20.00	ng	-0.03
38) Acenaphthene-d10	9.89	164	485414	20.00	ng	-0.05
63) Phenanthrene-d10	11.38	188	763302	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	426698	20.00	ng	-0.03
86) Perylene-d12	15.45	264	414038	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	430836	25.91	ng	-0.03
7) Phenol-d6	6.48	99	553572	25.44	ng	-0.05
23) Nitrobenzene-d5	7.41	82	336596	16.20	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	92465	24.44	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	575925	15.62	ng	-0.05
78) Terphenyl-d14	12.96	244	321977	17.96	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.76	152	96981	2.15	ng	99
51) Acenaphthene	9.93	154	92394	3.49	ng	100
54) Dibenzofuran	10.10	168	89940	2.50	ng	# 97
57) Fluorene	10.44	166	126939	4.76	ng	99
70) Phenanthrene	11.40	178	1125555	31.12	ng	100
71) Anthracene	11.46	178	493814	12.75	ng	98
72) Carbazole	11.61	167	92060	2.51	ng	99
74) Fluoranthene	12.59	202	1625563	48.47	ng	100
77) Pyrene	12.82	202	1540882	48.68	ng	99
80) Benzo(a)anthracene	14.01	228	804535	35.79	ng	97
82) Chrysene	14.04	228	752703m	30.98	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	434886	17.41	ng	94
87) Benzo(b)fluoranthene	15.04	252	852671m	35.61	ng	
88) Benzo(k)fluoranthene	15.06	252	403710m	20.03	ng	
89) Benzo(a)pyrene	15.38	252	699417	31.69	ng	95
90) Dibenzo(a,h)anthracene	16.84	278	82067m	4.26	ng	
91) Benzo(a,h,i)perylene	17.25	276	408232	22.10	ng	# 95

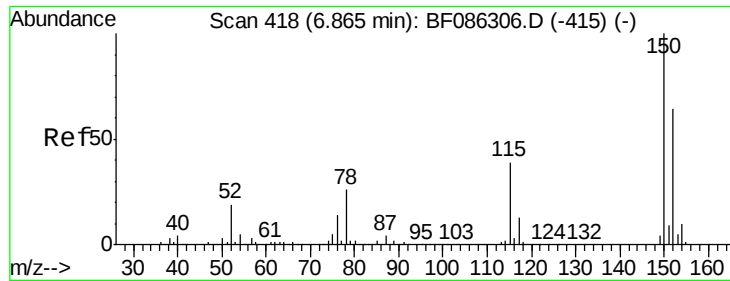
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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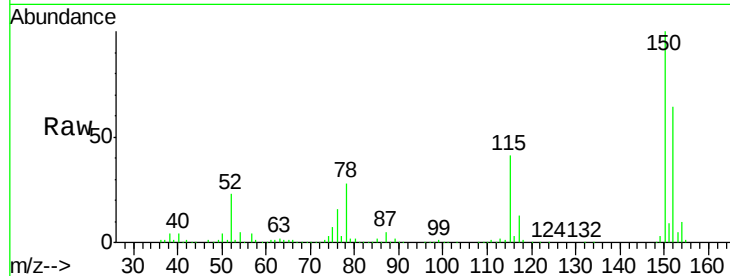


#1

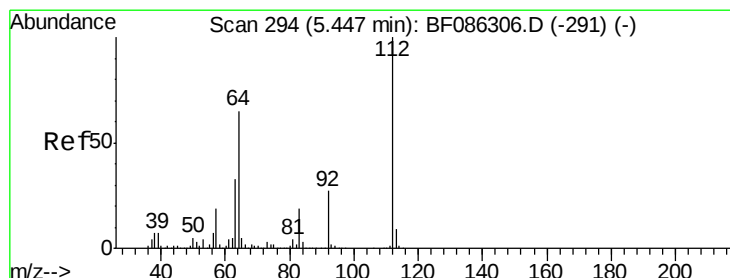
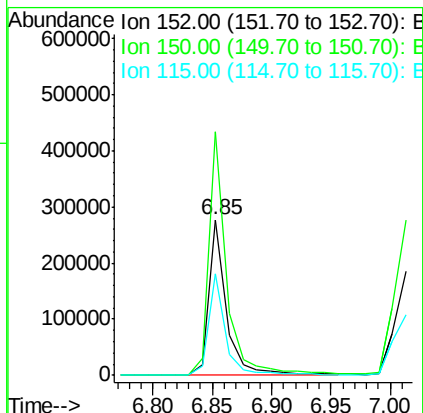
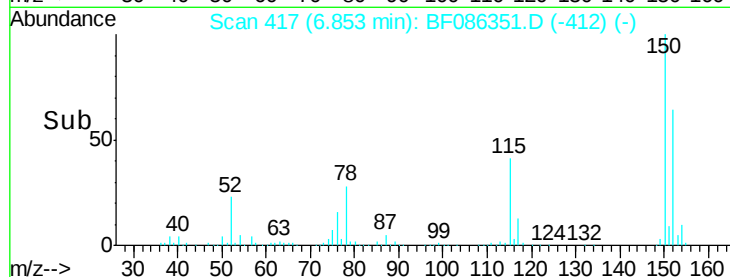
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.05 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.1	186.1
115	64.9	43.9	65.9



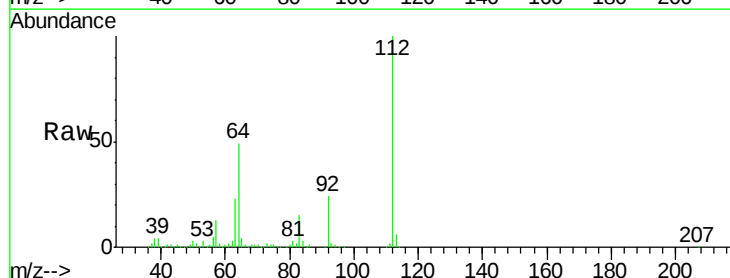
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



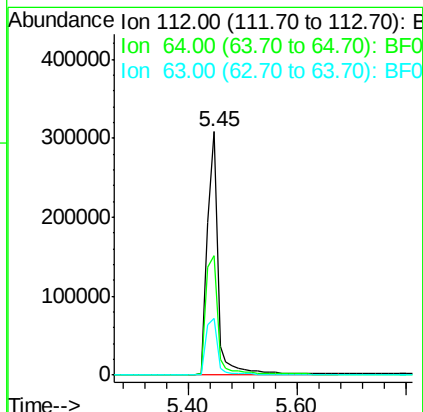
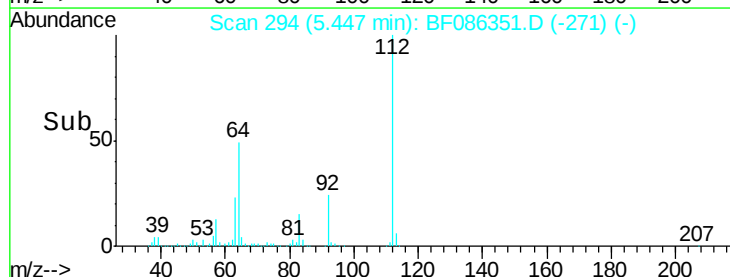
#5

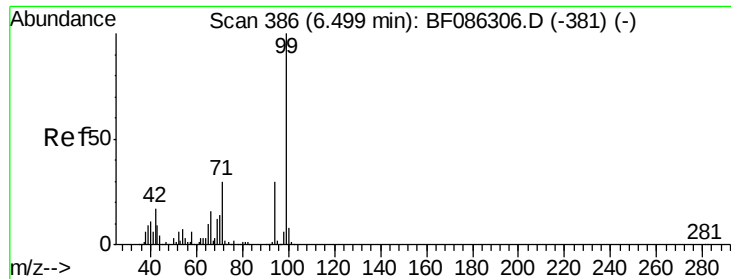
2-Fluorophenol
 Concen: 25.91 ng
 RT: 5.45 min Scan# 294
 Delta R.T. -0.03 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.0	48.1	72.1
63	23.4	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: 25.44 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

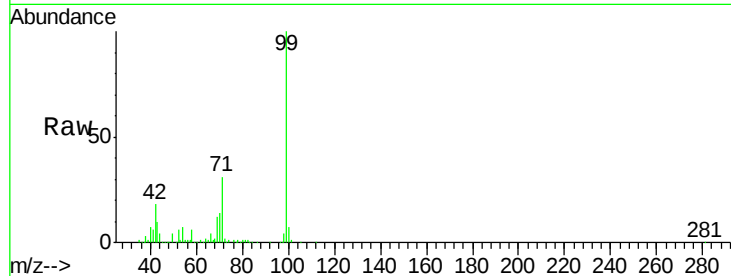
Tot Ion: 99 Resp: 553572

Ion Ratio Lower Upper

99 100

42 18.1 15.4 23.2

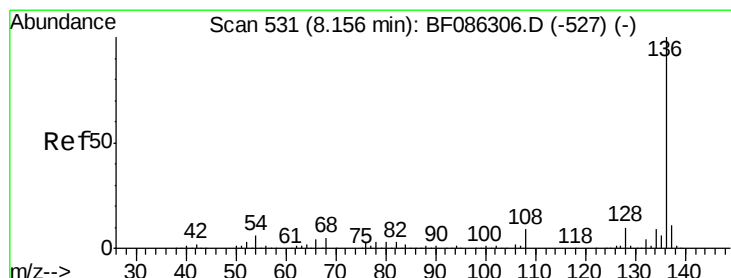
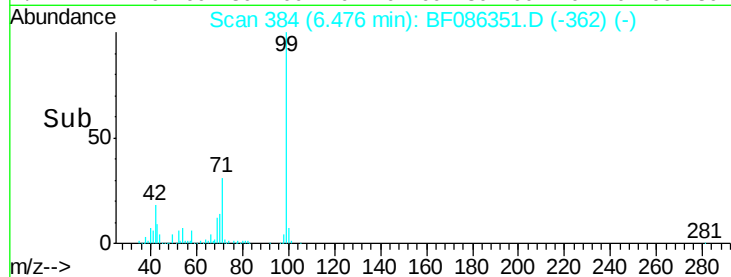
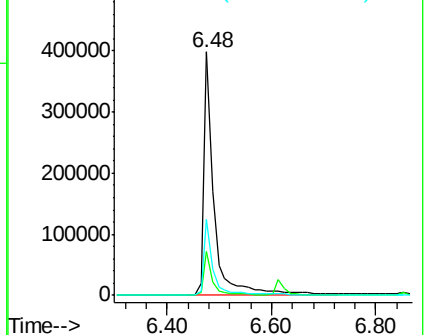
71 31.0 25.6 38.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Tgt Ion: 136 Resp: 1190037

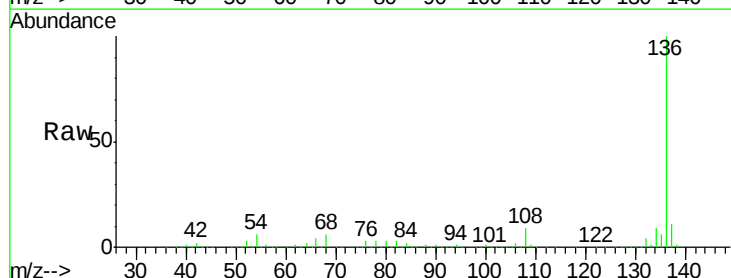
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.3 7.3 10.9#

68 5.6 5.7 8.5#

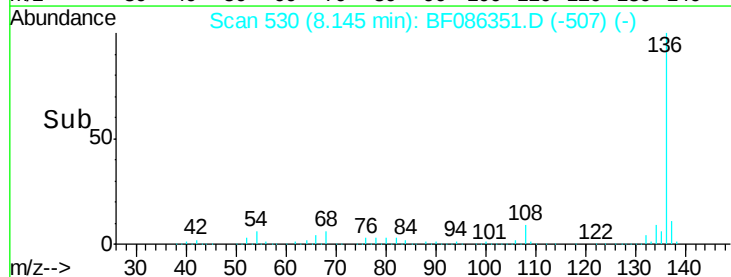
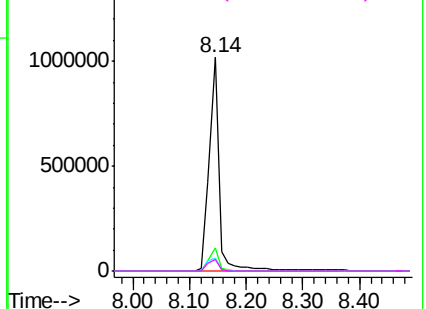


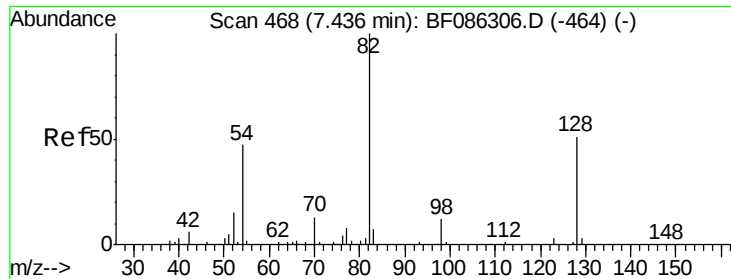
Abundance Ion 136.00 (135.70 to 136.70): E

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

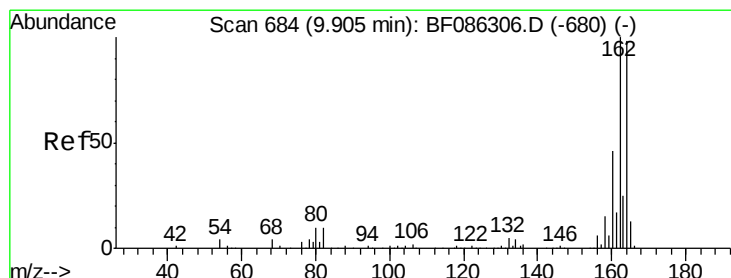
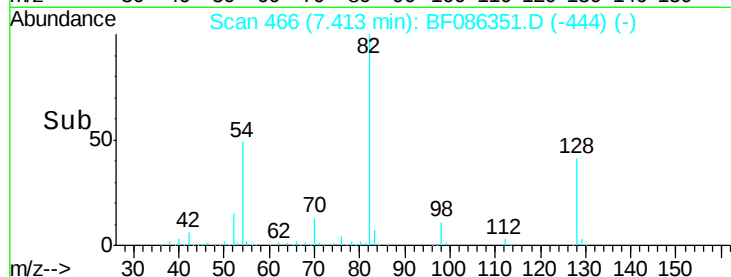
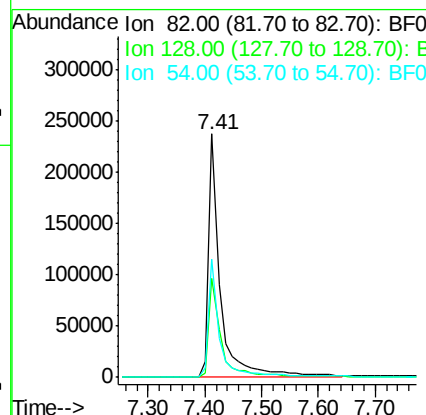
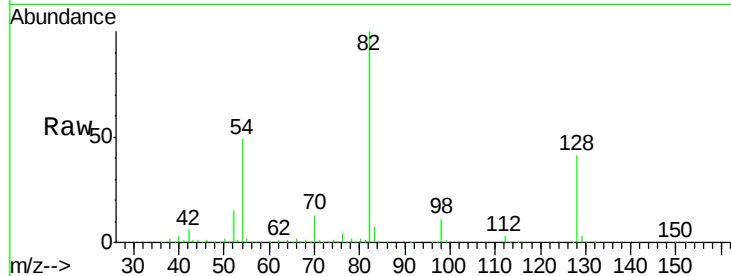




#23
 Nitrobenzene-d5
 Concen: 16.20 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.05 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

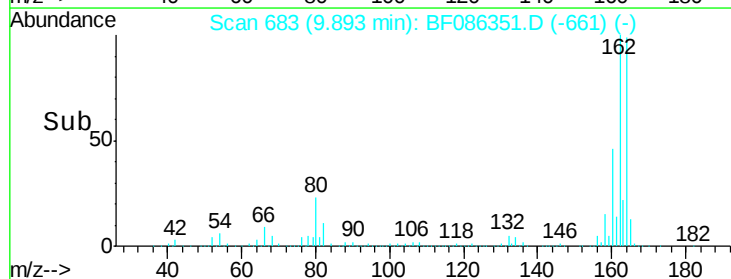
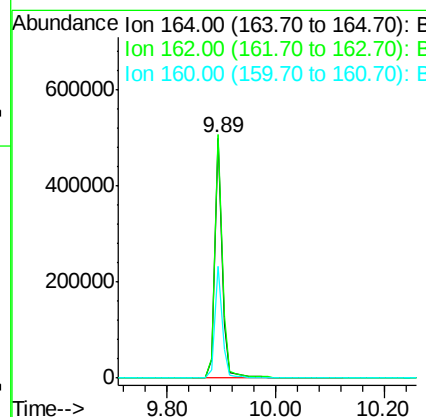
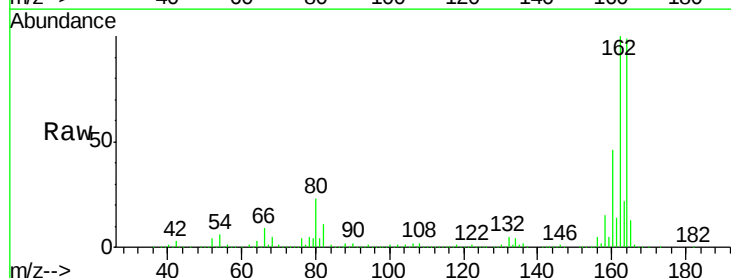
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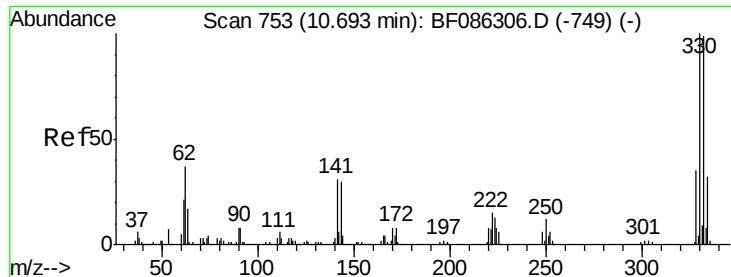
Tot Ion	82	Resp	336596
Ion Ratio	Lower	Upper	
82	100		
128	40.8	35.4	53.2
54	48.7	43.4	65.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.05 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

Tgt Ion	164	Resp	485414
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.8	124.2
160	46.6	38.9	58.3

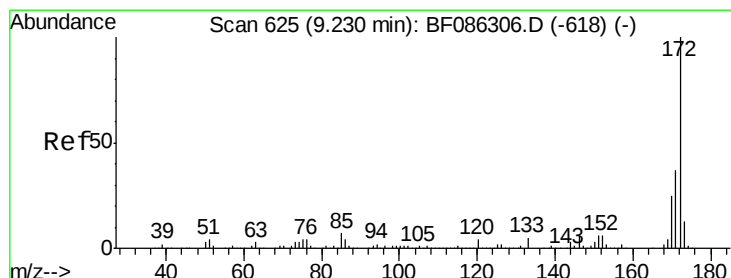
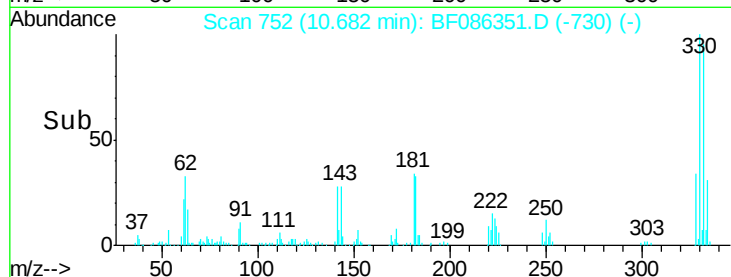
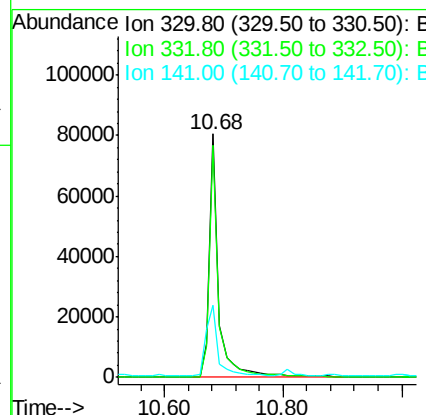
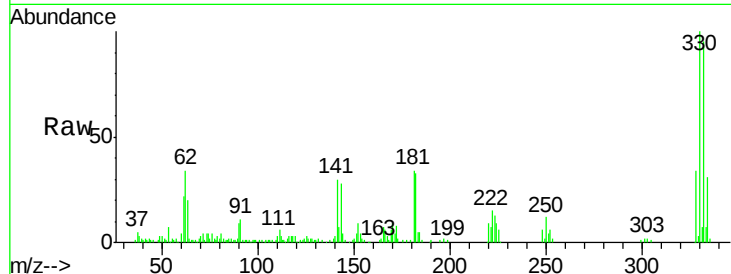




#41
 2,4,6-Tribromophenol
 Concen: 24.44 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.05 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

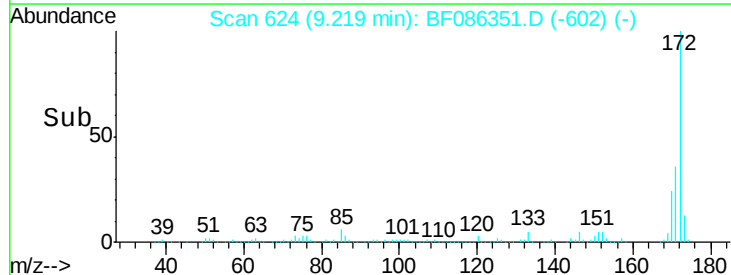
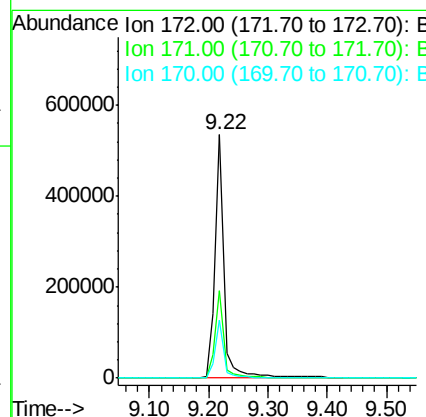
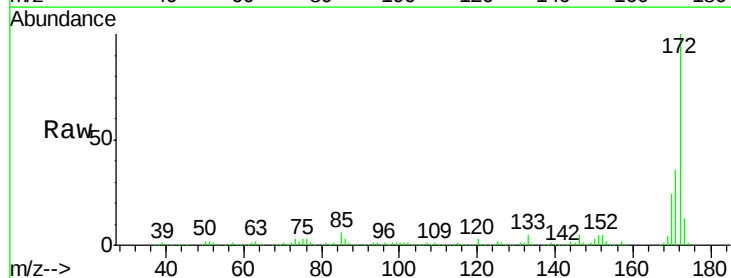
Instrument :
 BNA_F
 ClientSampleId :
 RODNEY-AVE-PS(0-2)HDL

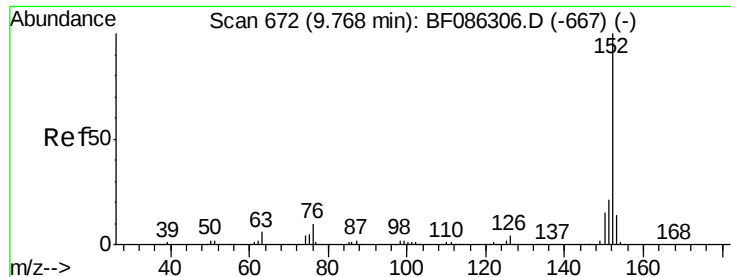
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.7	118.1
141	36.8	28.6	42.8



#44
 2-Fluorobiphenyl
 Concen: 15.62 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.1	43.7
170	23.8	19.9	29.9





#48

Acenaphthylene

Concen: 2.15 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.04 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

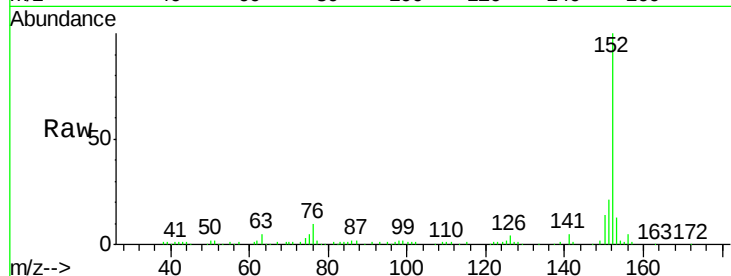
Tot Ion:152 Resp: 96981

Ion Ratio Lower Upper

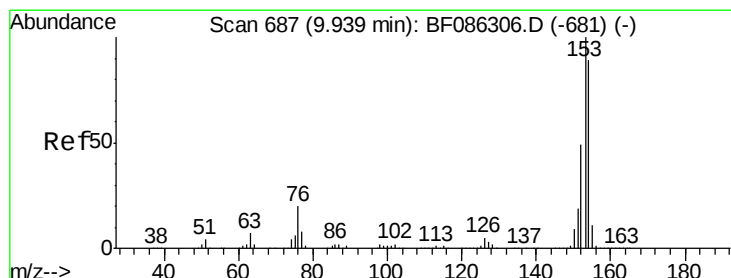
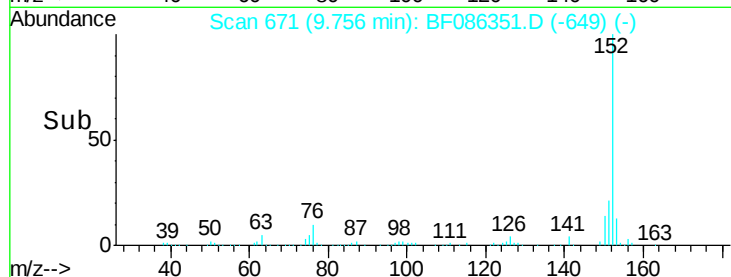
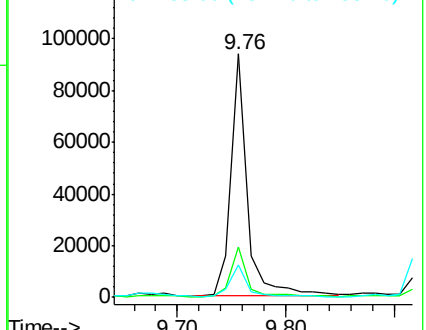
152 100

151 20.6 17.2 25.8

153 13.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 3.49 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

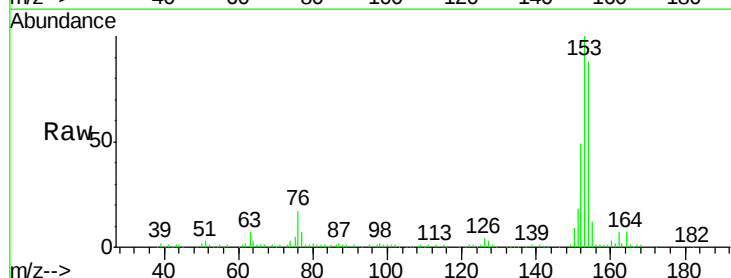
Tgt Ion:154 Resp: 92394

Ion Ratio Lower Upper

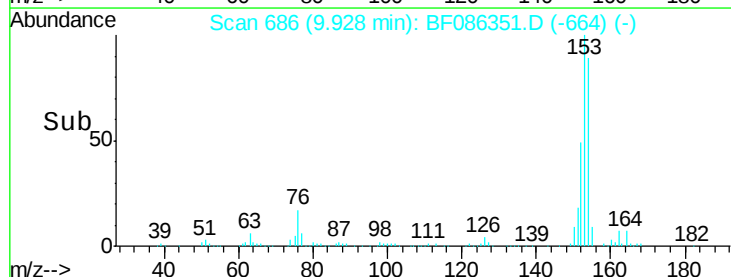
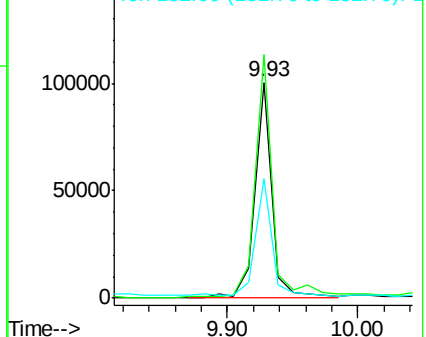
154 100

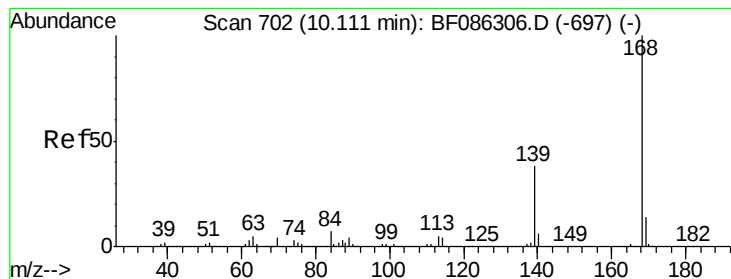
153 113.0 90.0 135.0

152 55.5 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

Dibenzofuran

Concen: 2.50 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

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ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

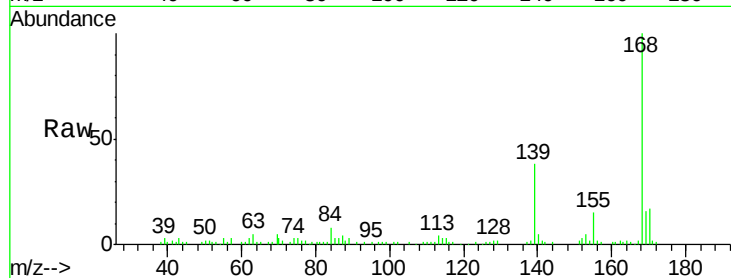
Tot Ion:168 Resp: 89940

Ion Ratio Lower Upper

168 100

139 37.9 29.5 44.3

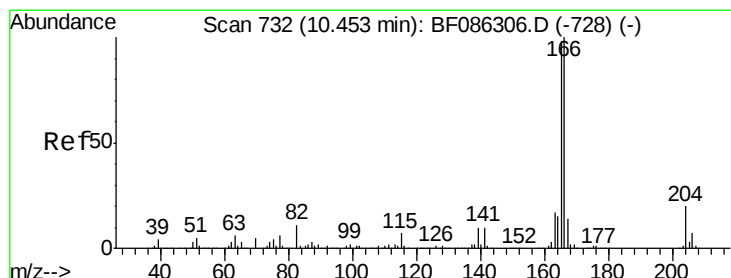
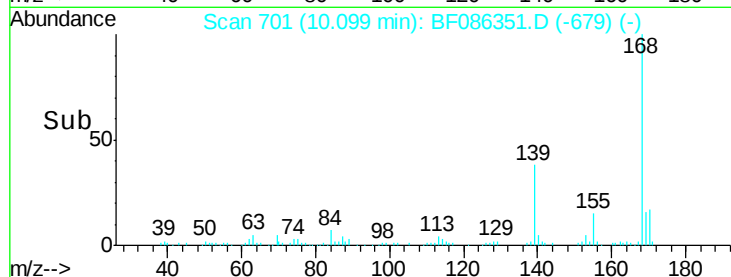
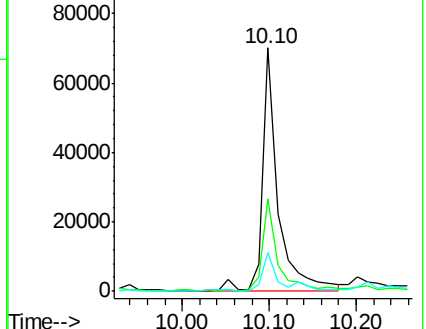
169 16.0 10.6 16.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.76 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

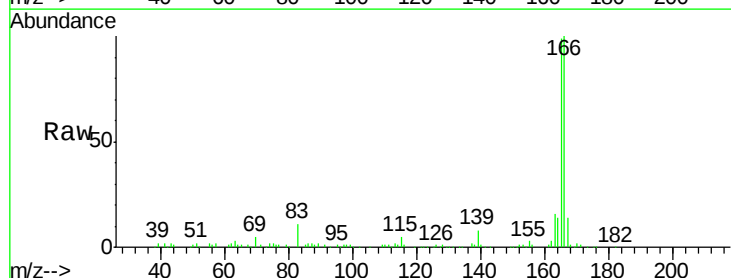
Tgt Ion:166 Resp: 126939

Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

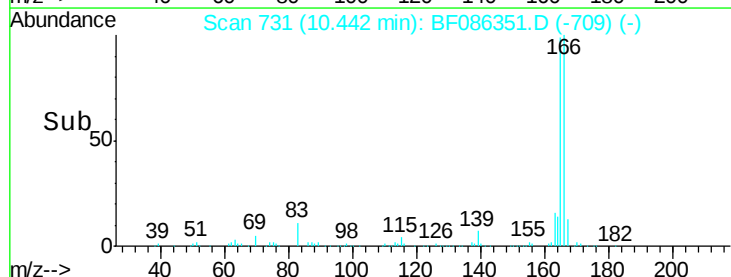
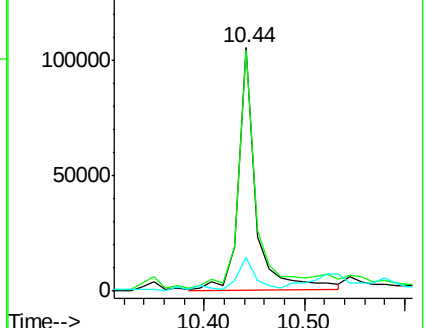
167 13.6 10.4 15.6

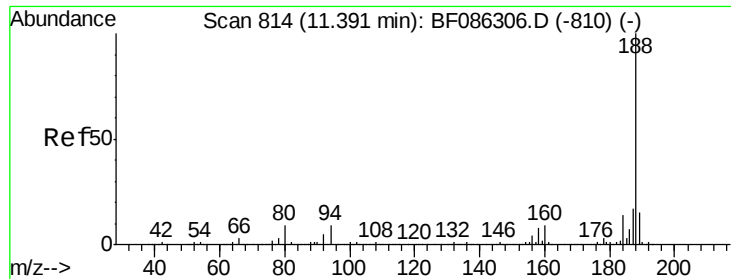


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

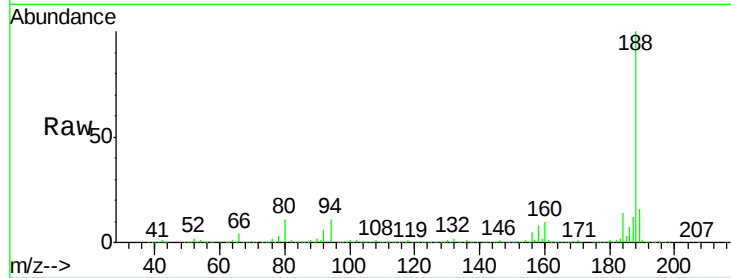




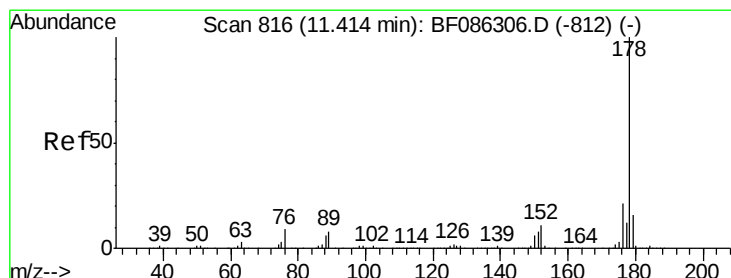
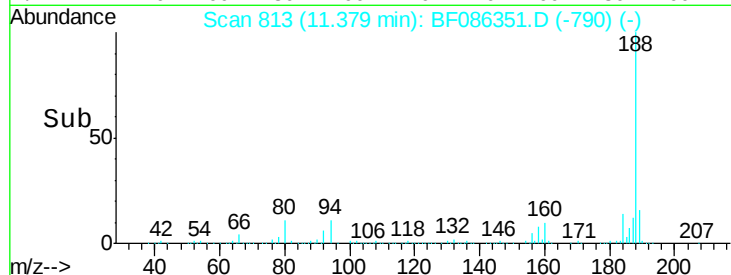
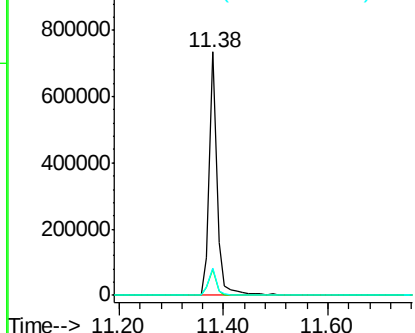
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF086351.D
Acq: 21 Apr 2016 18:48

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

Tot Ion:188 Resp: 763302
Ion Ratio Lower Upper
188 100
94 10.7 9.8 14.8
80 11.4 10.5 15.7

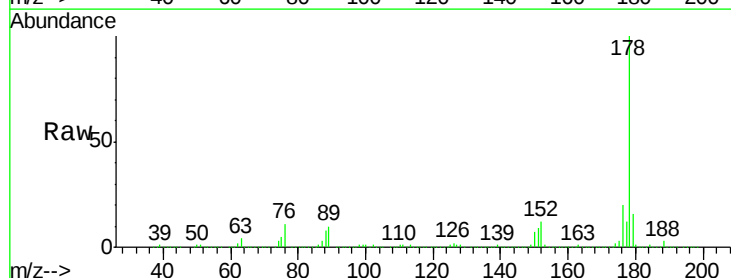


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

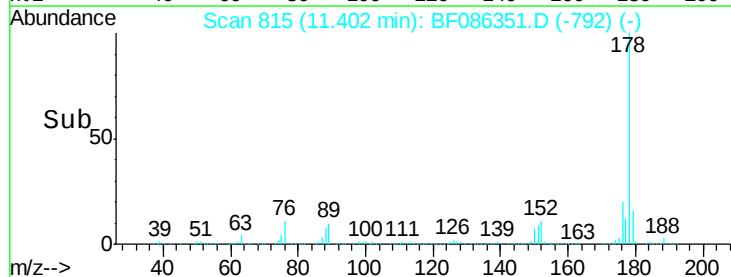
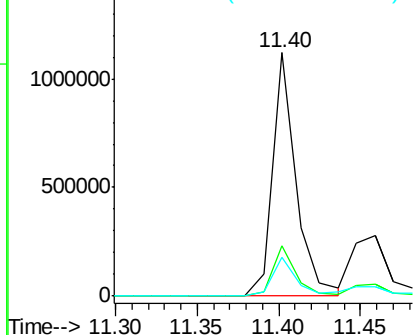


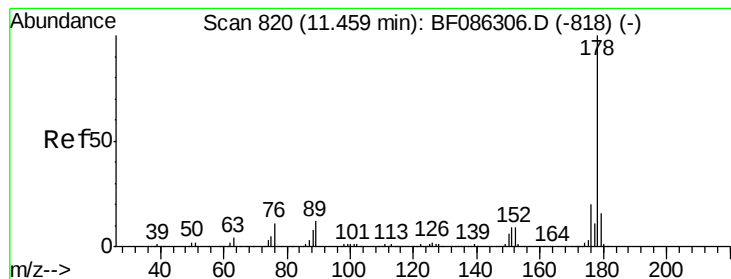
#70
Phenanthrene
Concen: 31.12 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF086351.D
Acq: 21 Apr 2016 18:48

Tgt Ion:178 Resp: 1125555
Ion Ratio Lower Upper
178 100
176 20.5 16.3 24.5
179 16.1 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





#71

Anthracene

Concen: 12.75 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

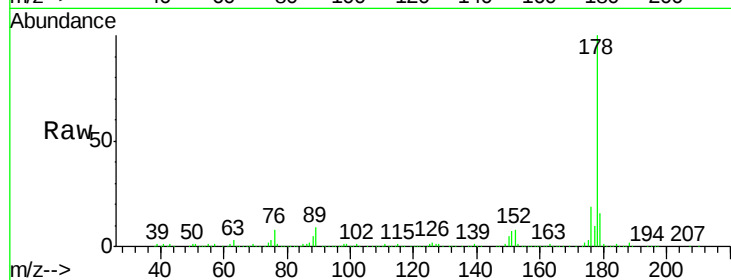
Tot Ion:178 Resp: 493814

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

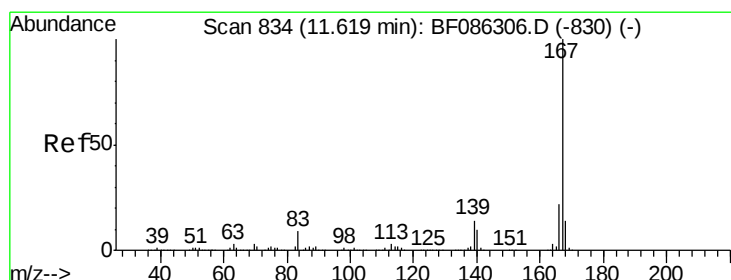
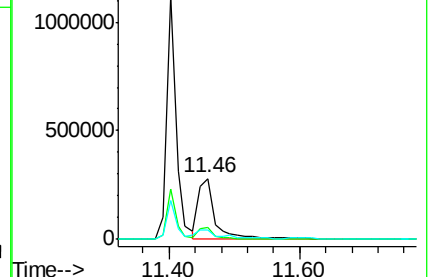
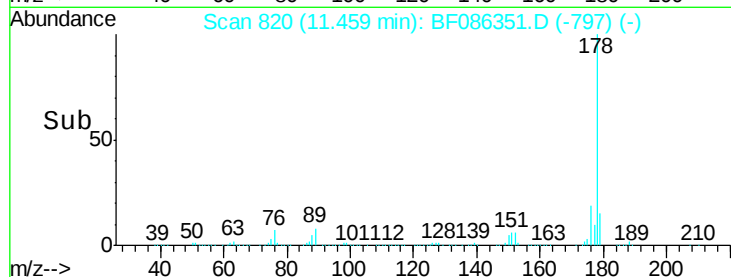
179 15.5 13.2 19.8



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: 2.51 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

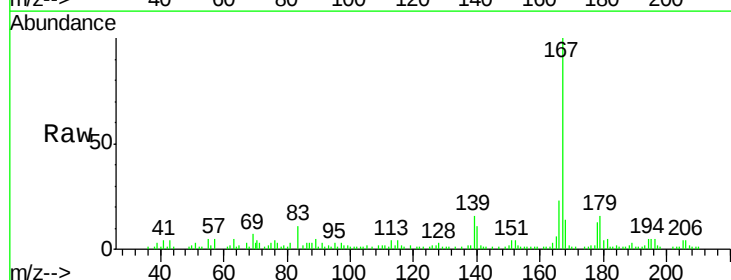
Tgt Ion:167 Resp: 92060

Ion Ratio Lower Upper

167 100

166 23.3 18.3 27.5

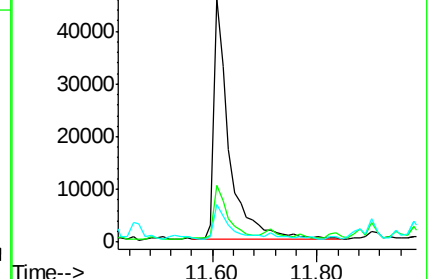
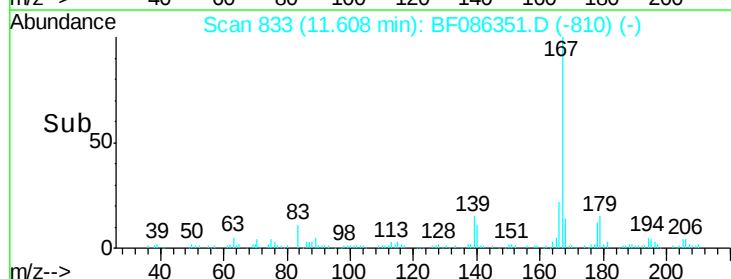
139 15.5 12.3 18.5

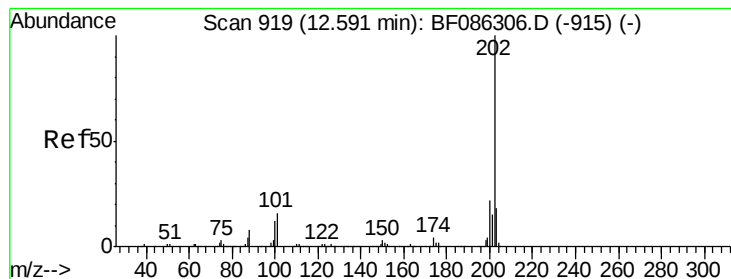


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 48.47 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

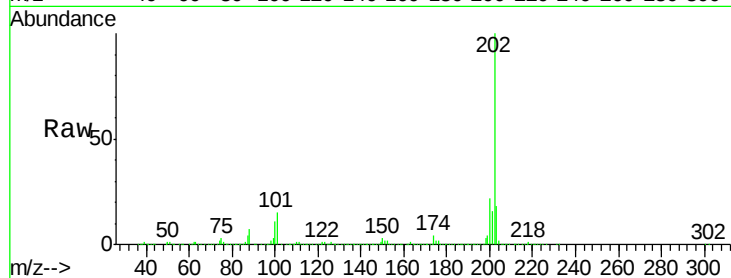
Tot Ion:202 Resp: 1625563

Ion Ratio Lower Upper

202 100

101 15.0 0.0 35.2

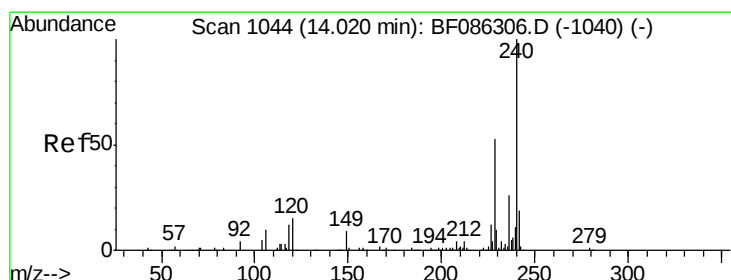
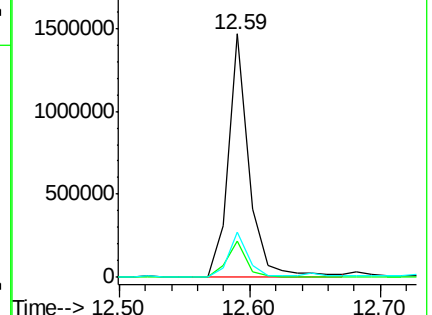
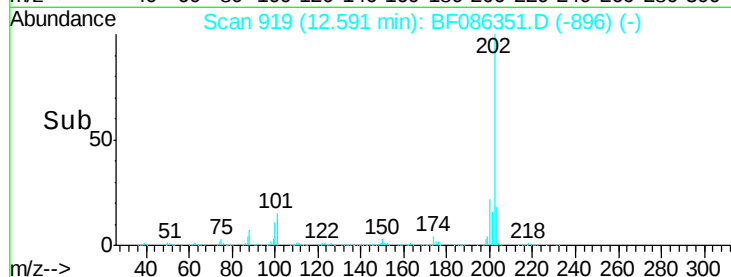
203 18.3 0.0 38.2



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: BF086351.D

Acq: 21 Apr 2016 18:48

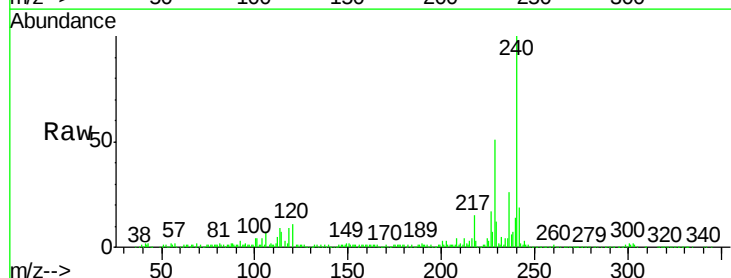
Tgt Ion:240 Resp: 426698

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

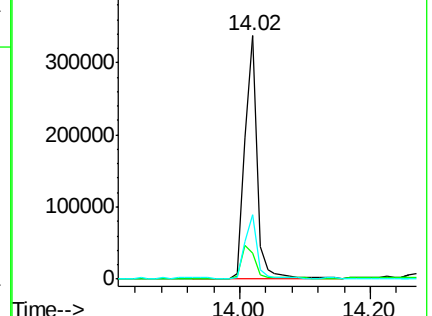
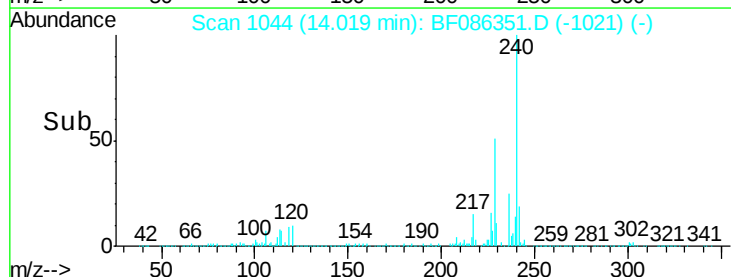
236 26.5 21.1 31.7

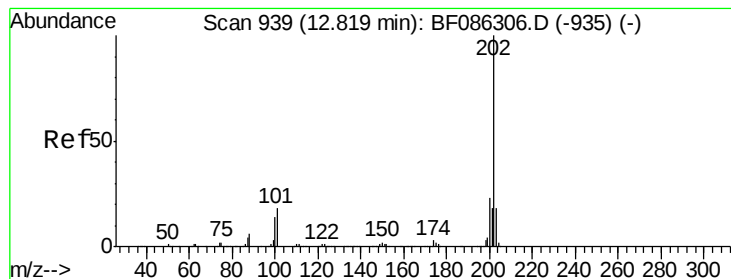


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 48.68 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

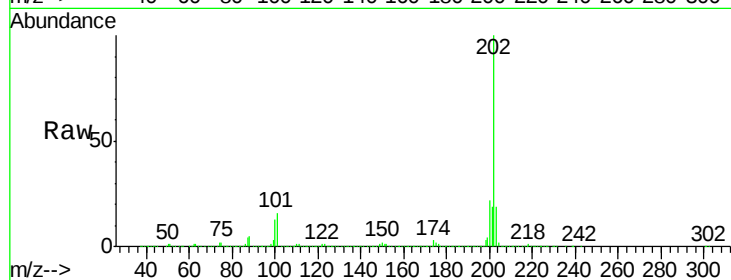
Tot Ion:202 Resp: 1540882

Ion Ratio Lower Upper

202 100

200 22.2 18.3 27.5

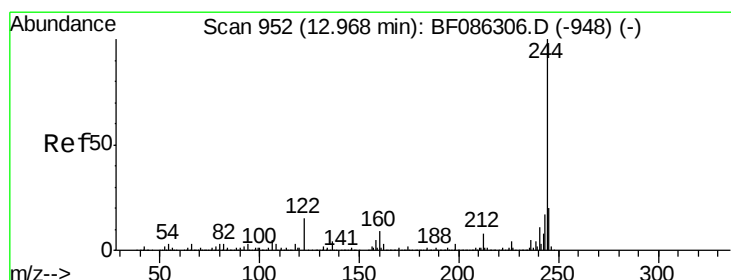
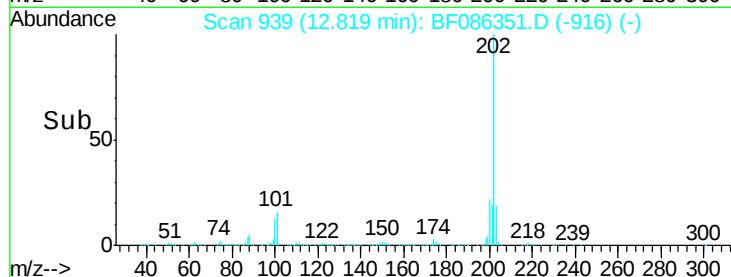
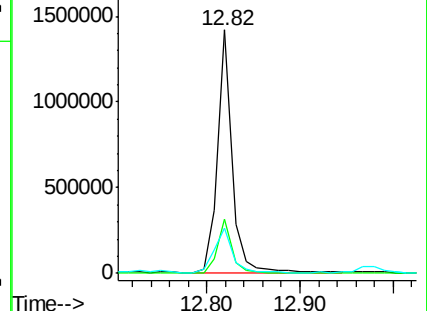
203 18.7 14.9 22.3



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: 17.96 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

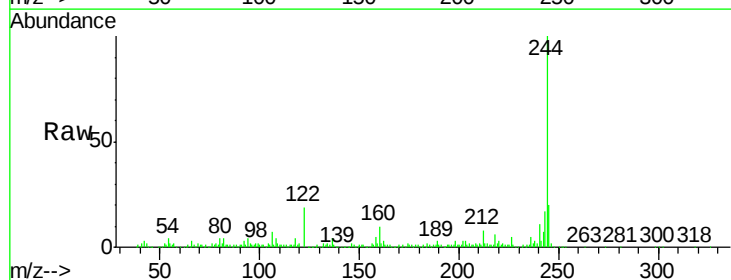
Tgt Ion:244 Resp: 321977

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

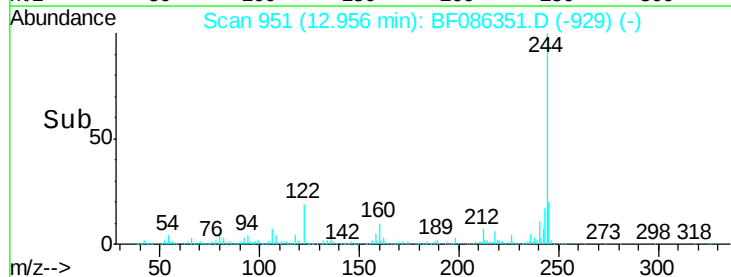
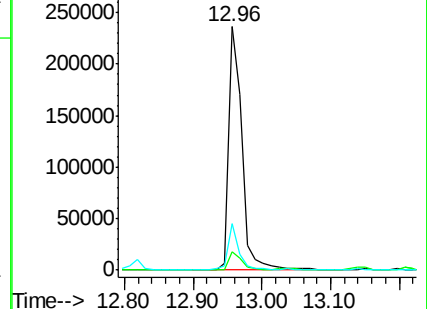
122 19.4 11.7 17.5#

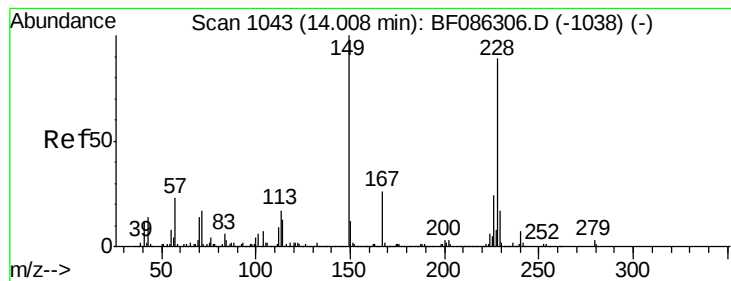


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 35.79 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

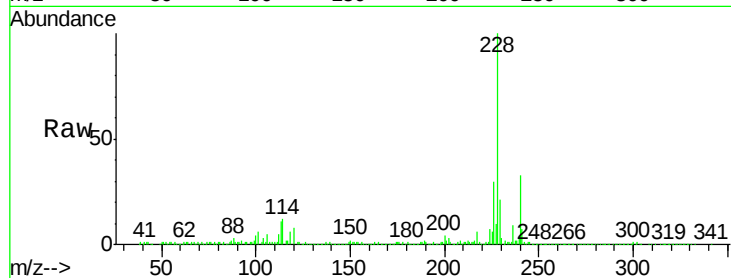
Tot Ion:228 Resp: 804535

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

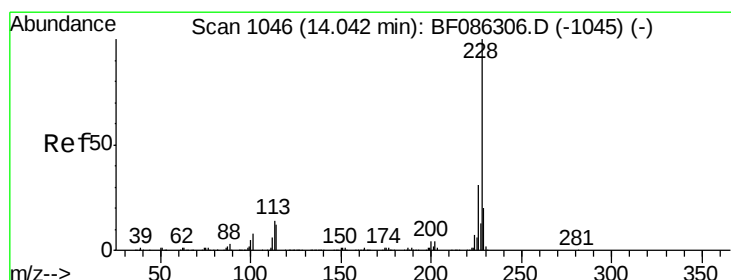
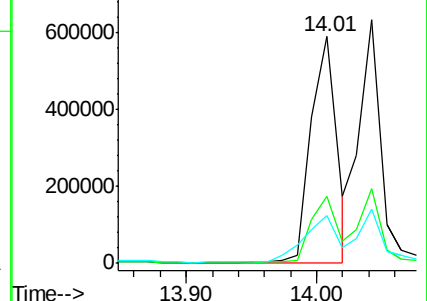
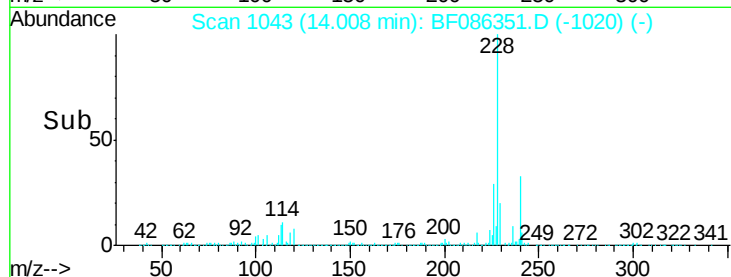
229 21.0 16.2 24.2



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: 30.98 ng m

RT: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

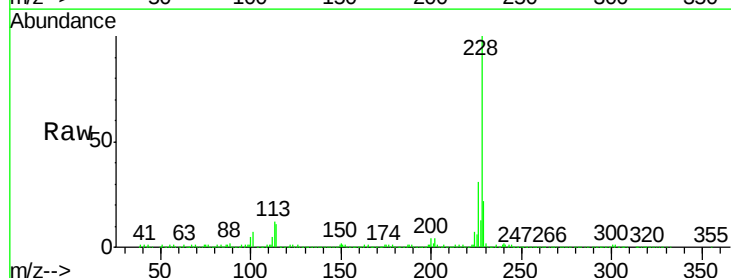
Tgt Ion:228 Resp: 752703

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.2

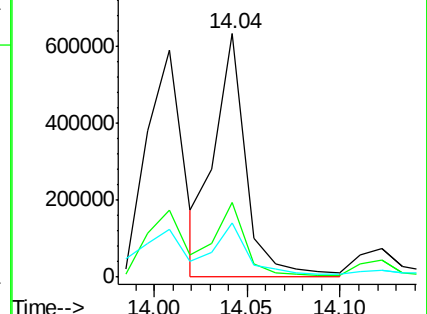
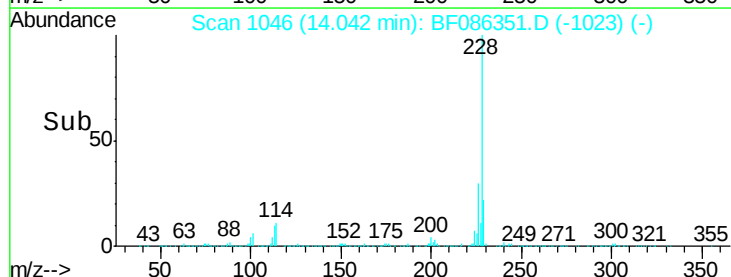
229 22.4 16.5 24.7

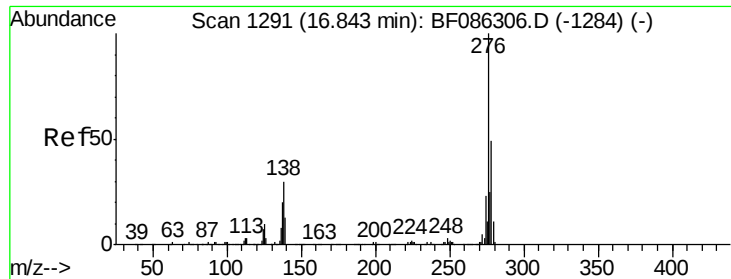


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

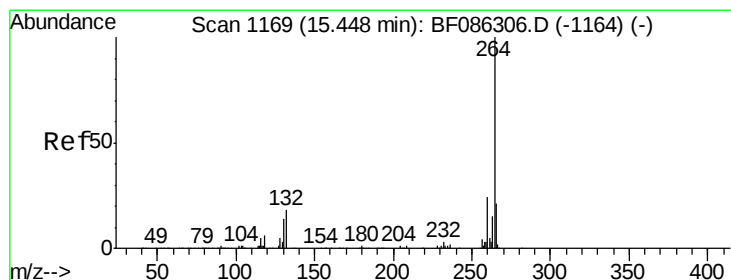
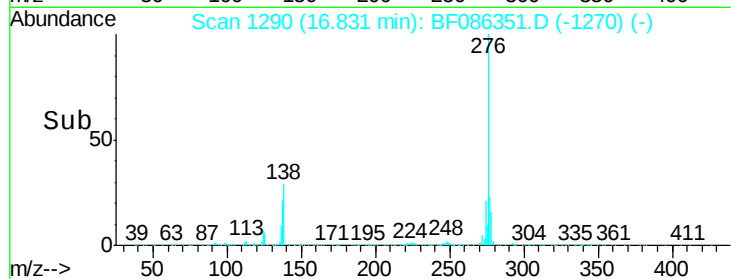
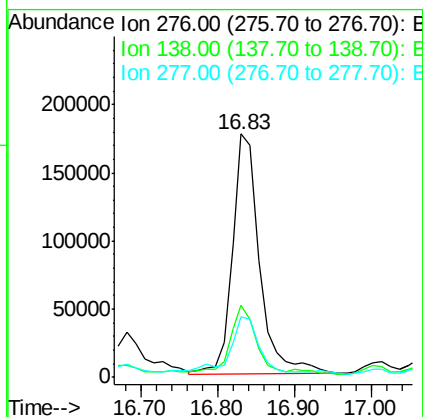
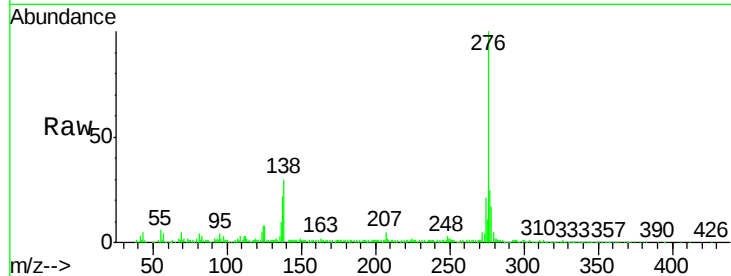




#85
Indeno(1,2,3-cd)pyrene
Concen: 17.41 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF086351.D
Acq: 21 Apr 2016 18:48

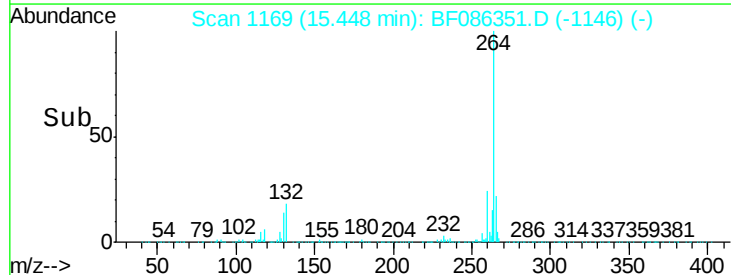
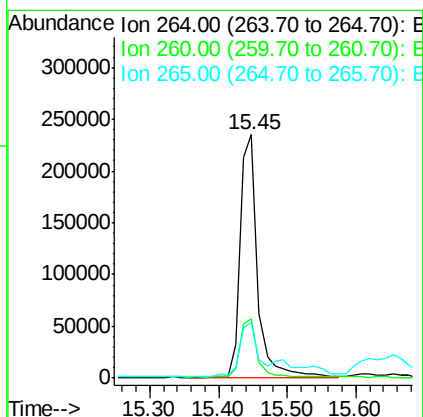
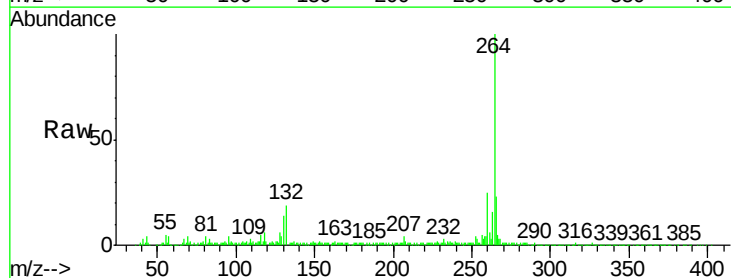
Instrument :
BNA_F
ClientSampleId :
RODNEY-AVE-PS(0-2)HDL

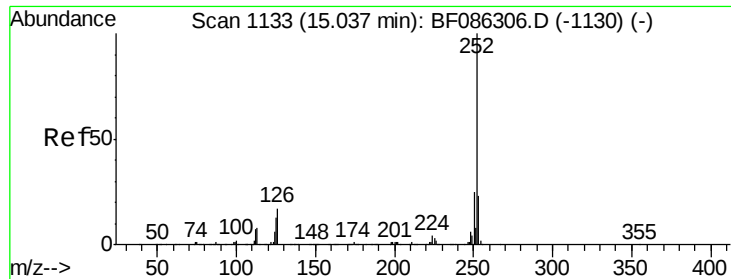
Tot Ion:276 Resp: 434886
Ion Ratio Lower Upper
276 100
138 25.4 23.8 35.6
277 26.8 20.2 30.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF086351.D
Acq: 21 Apr 2016 18:48

Tgt Ion:264 Resp: 414038
Ion Ratio Lower Upper
264 100
260 24.6 20.0 30.0
265 22.7 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 35.61 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

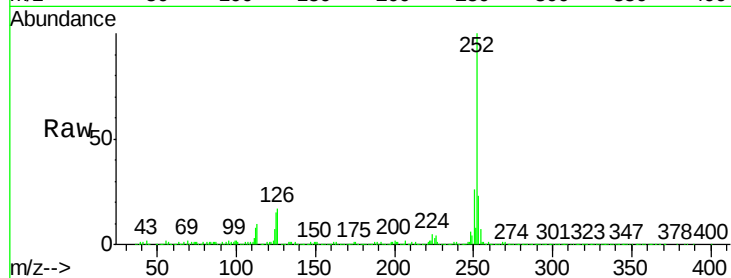
Tot Ion:252 Resp: 852671

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

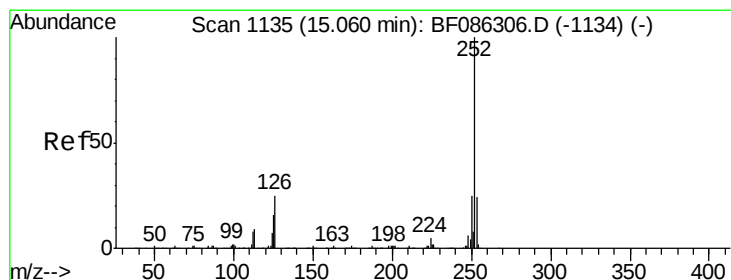
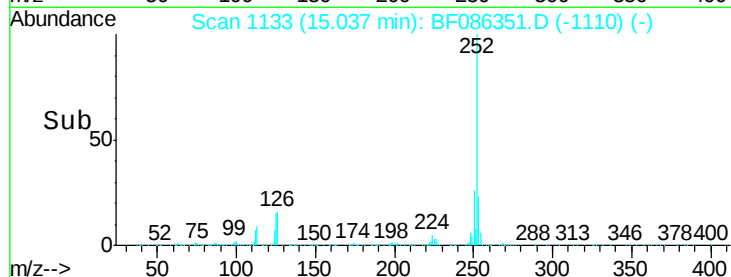
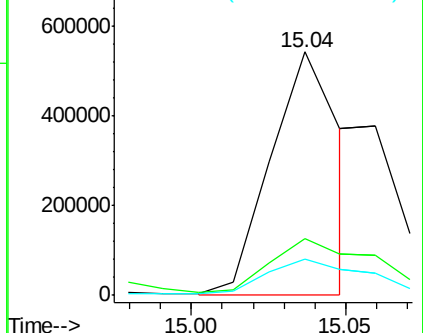
125 15.1 10.3 15.5



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: 20.03 ng m

RT: 15.06 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

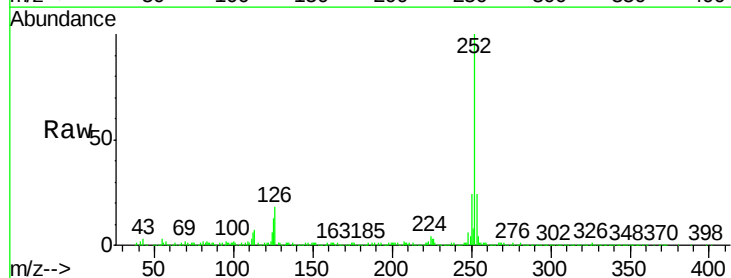
Tgt Ion:252 Resp: 403710

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

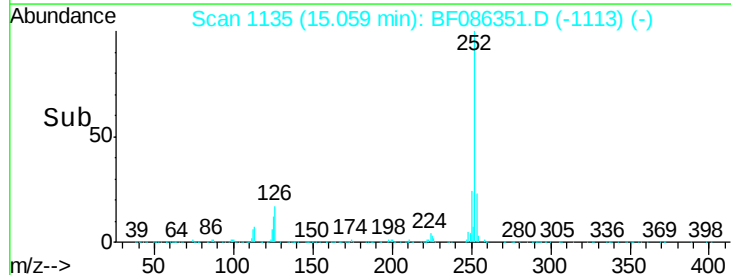
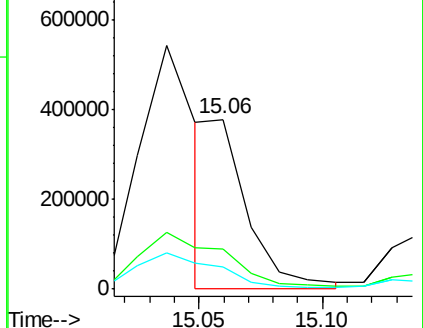
125 12.9 7.8 11.6#

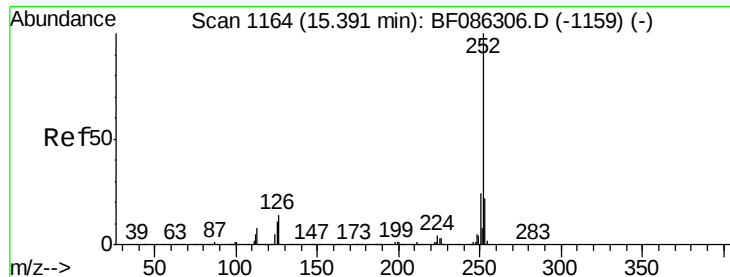


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 31.69 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

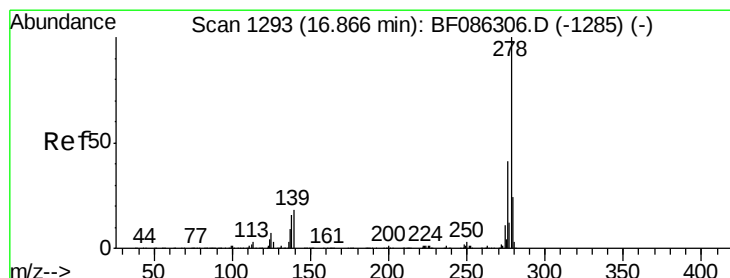
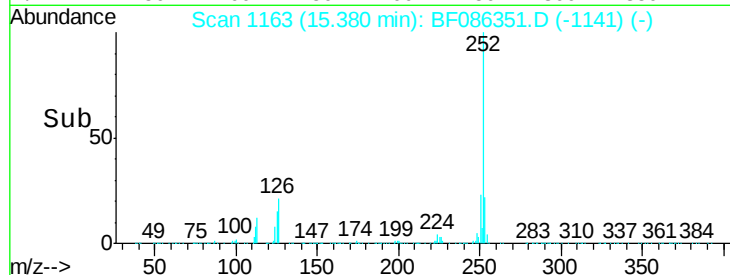
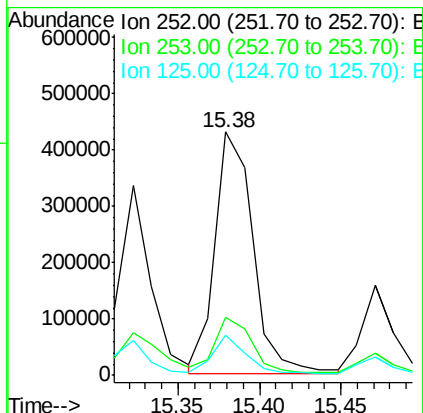
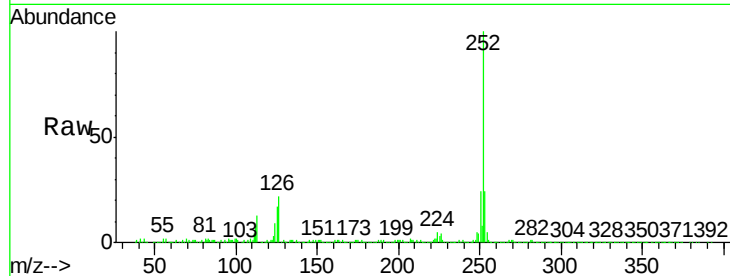
Instrument :

BNA_F

ClientSampleId :

RODNEY-AVE-PS(0-2)HDL

Tot Ion:	252	Resp:	699417
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	16.7	11.2	16.8



#90

Dibenzo(a,h)anthracene

Concen: 4.26 ng m

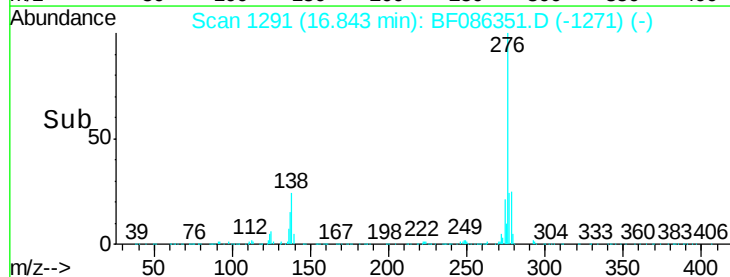
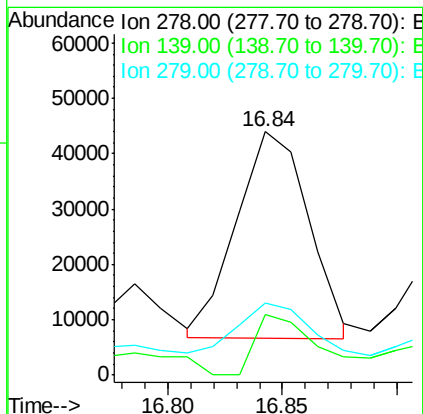
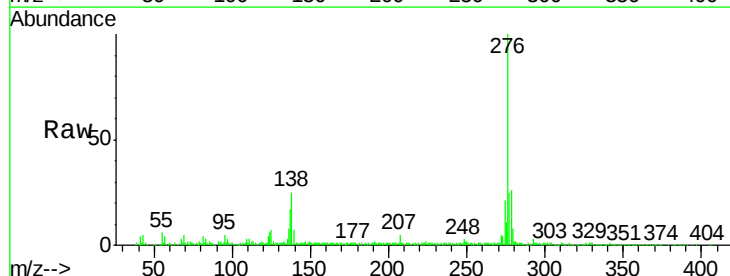
RT: 16.84 min Scan# 1291

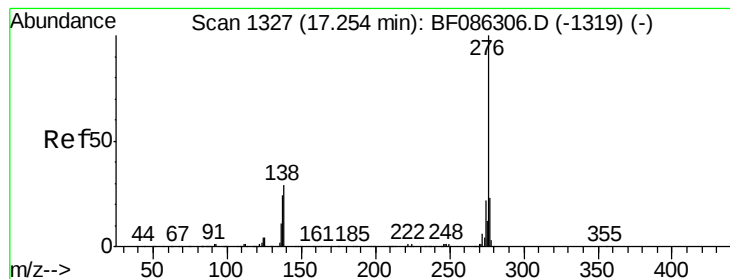
Delta R.T. -0.07 min

Lab File: BF086351.D

Acq: 21 Apr 2016 18:48

Tgt Ion:	278	Resp:	82067
Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.3	22.9#
279	29.6	19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 22.10 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. -0.07 min
 Lab File: BF086351.D
 Acq: 21 Apr 2016 18:48

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	29.6	19.6	29.4

