

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086938.D
 Acq On : 12 May 2016 18:54
 Operator : UM/SJ
 Sample : H2952-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: May 13 00:49:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

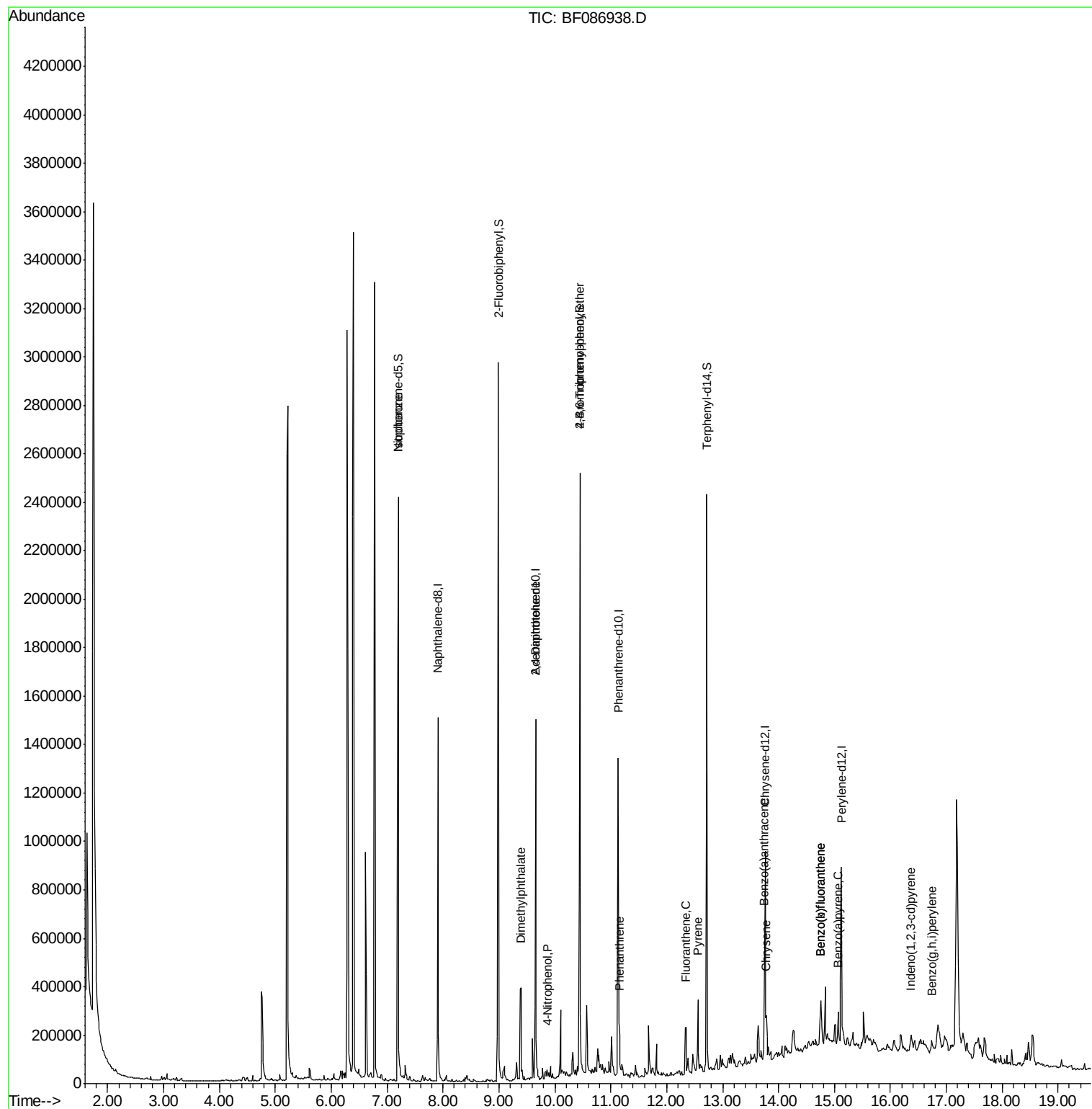
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	602947	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	272117	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	434503	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	289601	20.00	ng	-0.08
86) Perylene-d12	15.12	264	302936	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1023126	0.00	ng	-0.07
7) Phenol-d6	6.28	99	1264064	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	955818	79.60	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	265744	92.25	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1287750	79.53	ng	-0.07
78) Terphenyl-d14	12.72	244	820901	60.14	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	928215	41.66	ng	# 68
49) Dimethylphthalate	9.39	163	224449	10.81	ng	98
55) 4-Nitrophenol	9.86	139	981	4.86	ng	# 33
56) 2,4-Dinitrotoluene	9.66	165	34712	6.42	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	16885	3.83	ng	# 1
70) Phenanthrene	11.15	178	52752	2.28	ng	98
74) Fluoranthene	12.34	202	123428	5.18	ng	90
77) Pyrene	12.56	202	115454	5.21	ng	99
80) Benzo(a)anthracene	13.75	228	71673	4.41	ng	99
82) Chrysene	13.78	228	52288	3.16	ng	97
85) Indeno(1,2,3-cd)pyrene	16.37	276	38882	2.83	ng	# 91
87) Benzo(b)fluoranthene	14.75	252	123847	6.29	ng	98
88) Benzo(k)fluoranthene	14.75	252	123847	7.68	ng	99
89) Benzo(a)pyrene	15.06	252	58974	3.47	ng	# 91
91) Benzo(g,h,i)perylene	16.74	276	36970	2.54	ng	# 94

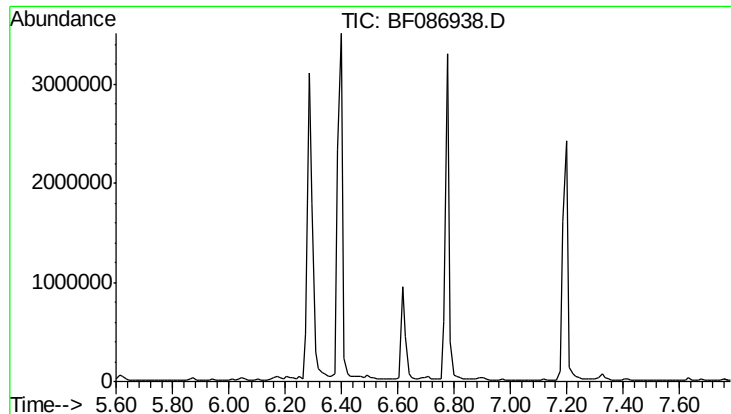
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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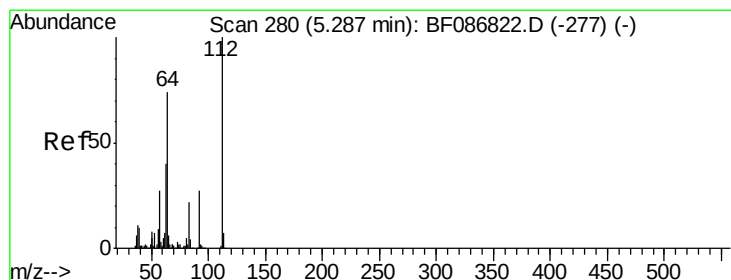
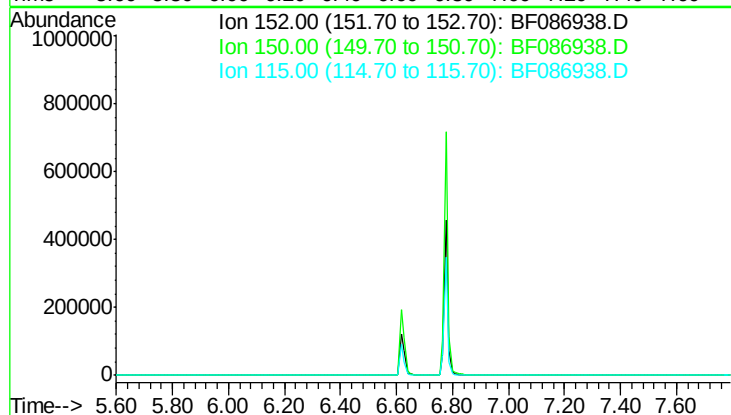




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 6.69 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

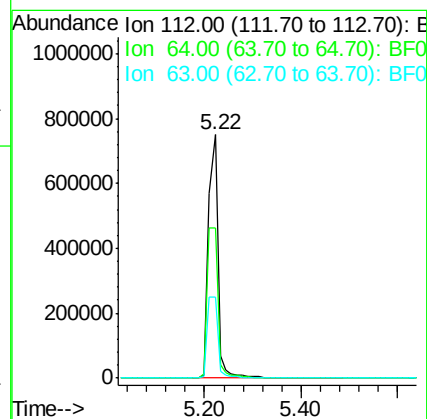
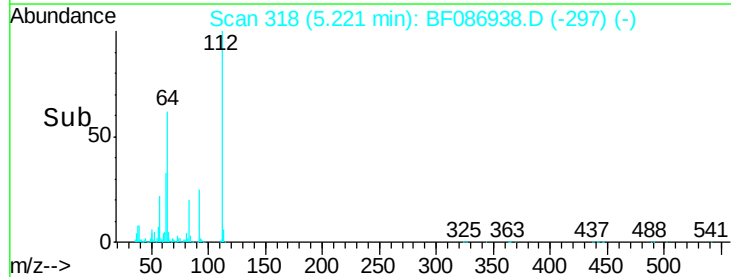
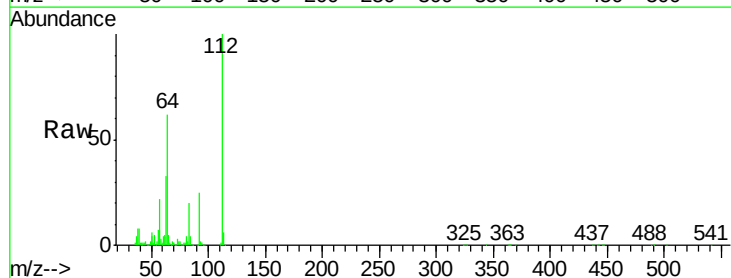
Instrument :
 BNA_F
 ClientSampleId :
 S-1

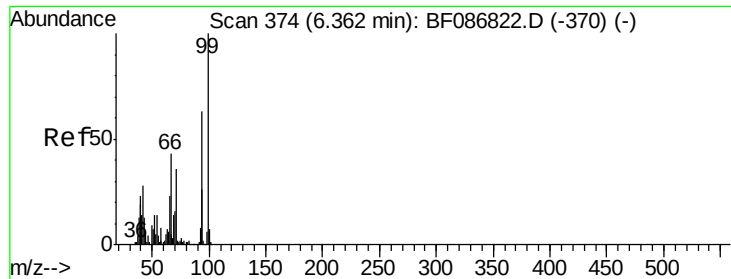
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.2
 115 64.4



#5
 2-Fluorophenol
 Concen: 0.00 ng
 RT: 5.22 min Scan# 318
 Delta R.T. -0.07 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

Tgt Ion: 112 Resp: 1023126
 Ion Ratio Lower Upper
 112 100
 64 61.6 52.1 78.1
 63 33.5 25.7 38.5





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampleId :

S-1

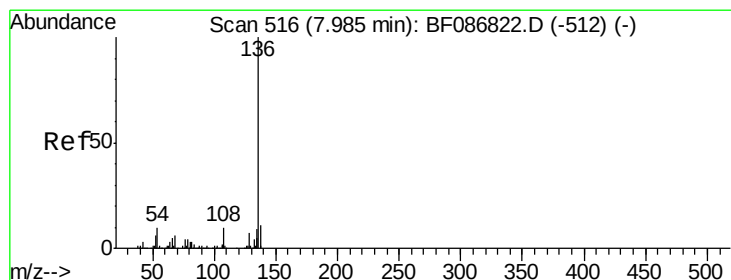
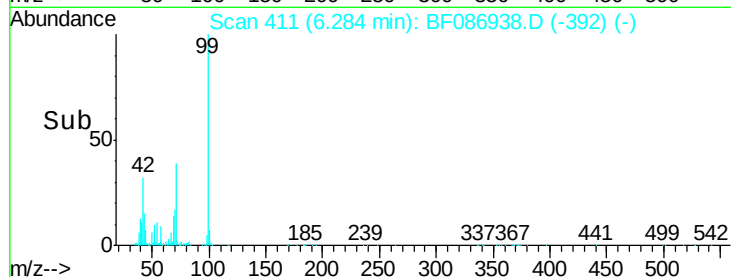
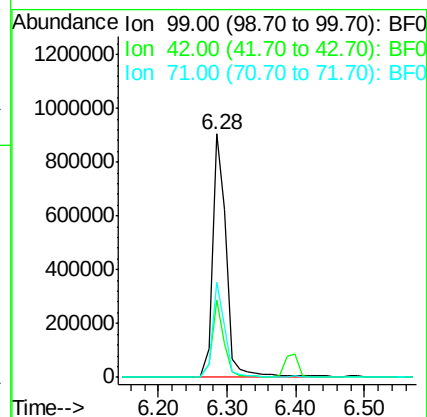
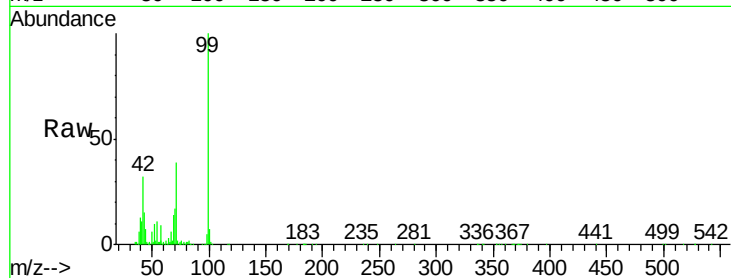
Tgt Ion: 99 Resp: 1264064

Ion Ratio Lower Upper

99 100

42 31.6 13.6 20.4#

71 38.9 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Tgt Ion: 136 Resp: 602947

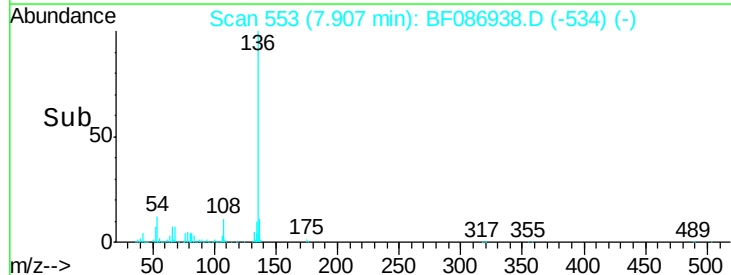
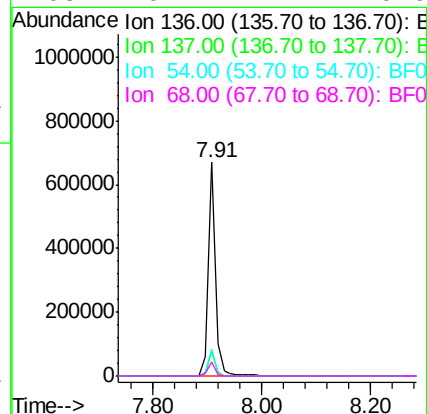
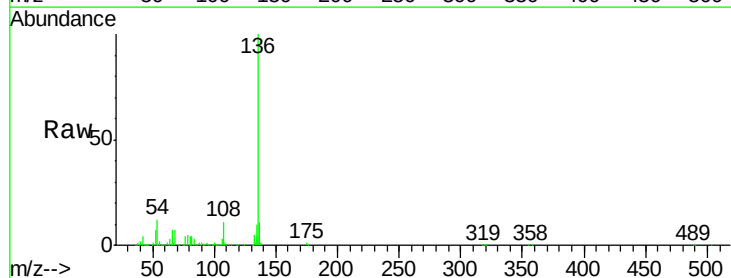
Ion Ratio Lower Upper

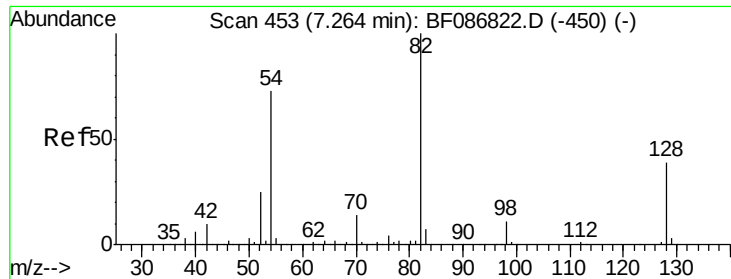
136 100

137 11.2 8.8 13.2

54 12.4 5.0 7.4#

68 6.7 4.4 6.6#

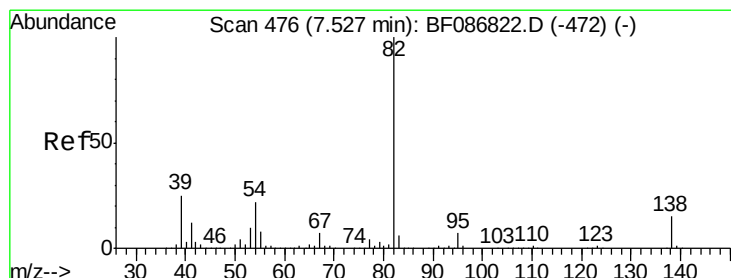
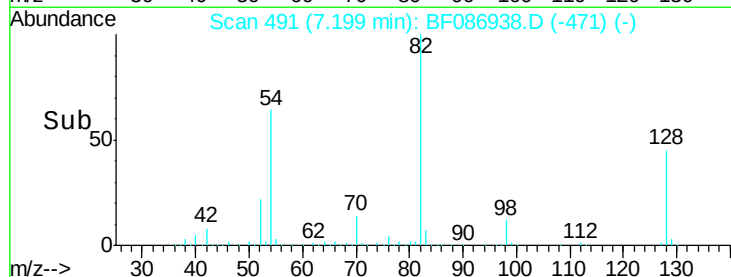
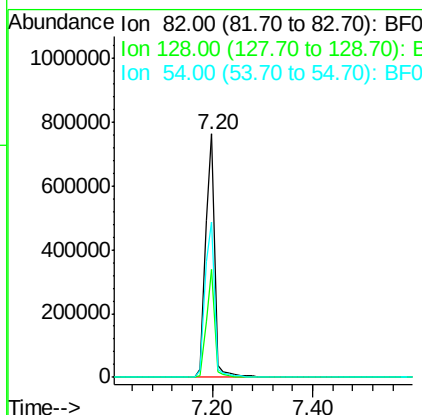
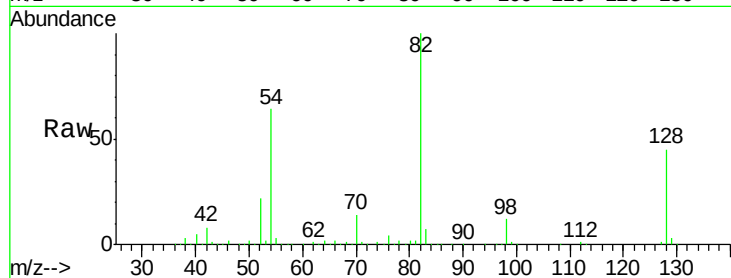




#23
 Nitrobenzene-d5
 Concen: 79.60 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

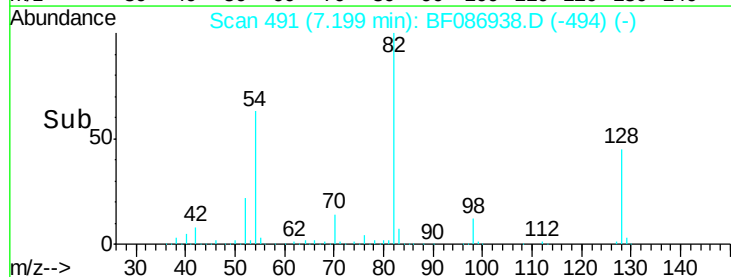
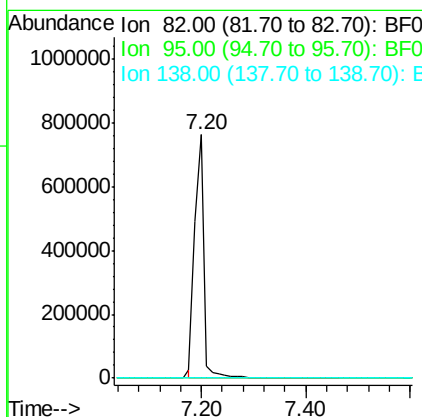
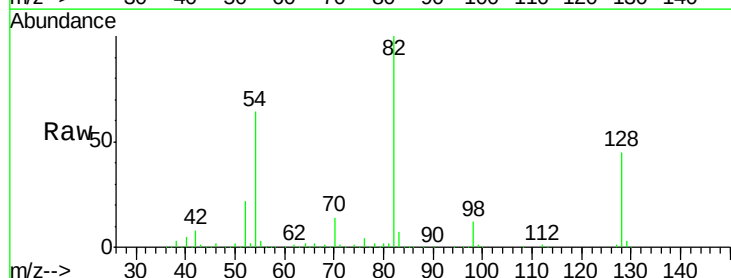
Instrument :
 BNA_F
 ClientSampleId :
 S-1

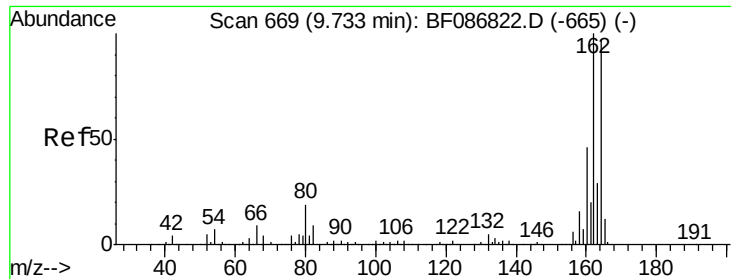
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	40.6	61.0
54	63.5	38.1	57.1#



#25
 Isophorone
 Concen: 41.66 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

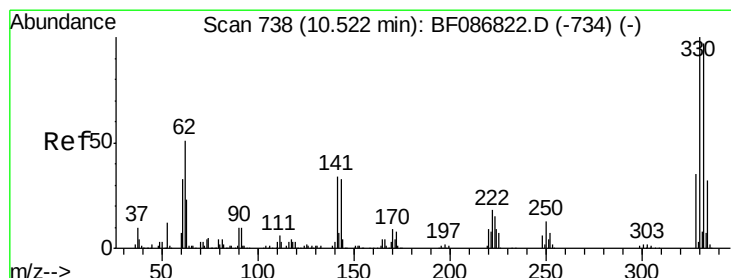
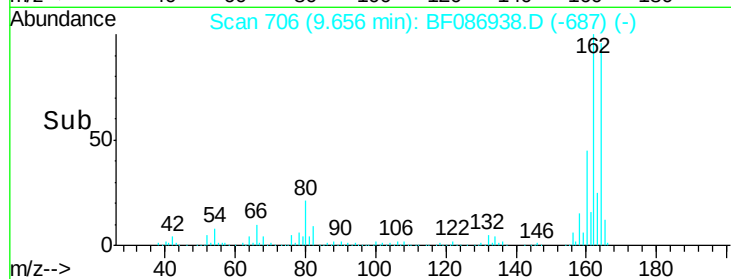
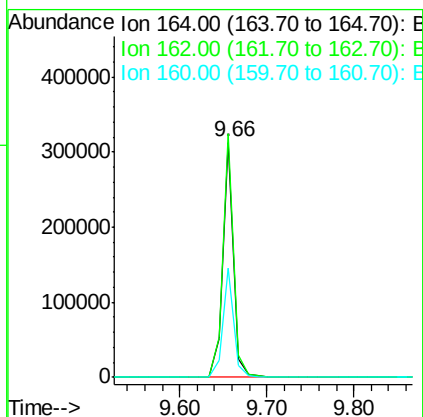
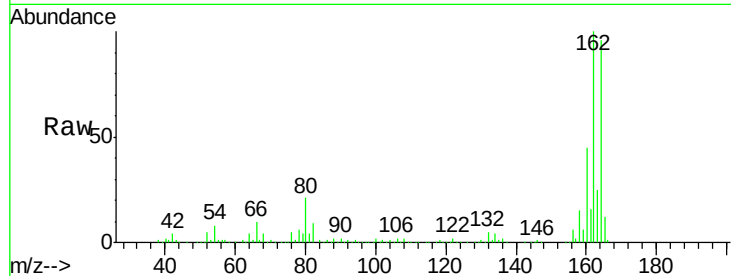




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

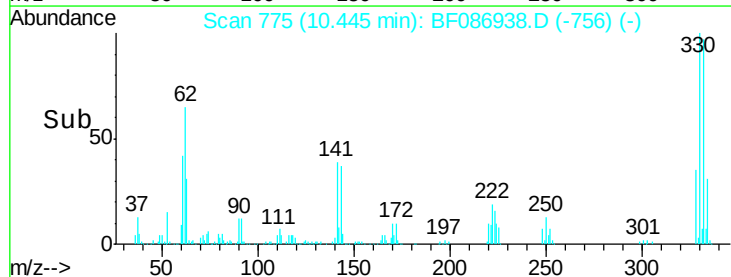
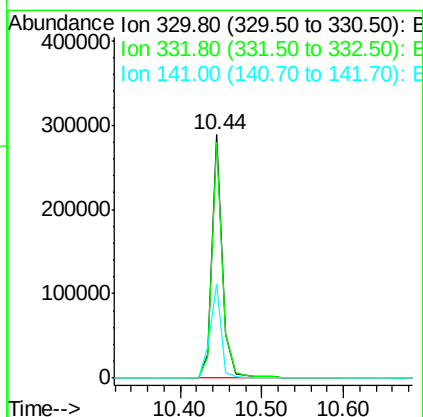
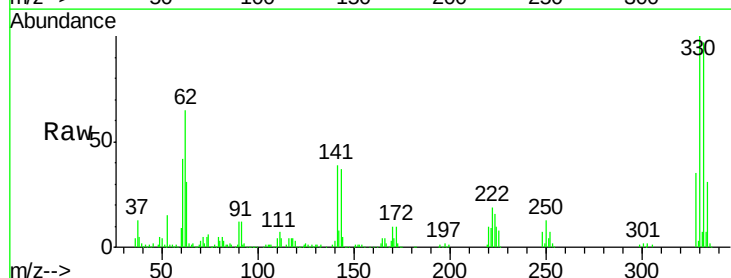
Instrument :
 BNA_F
 ClientSampled :
 S-1

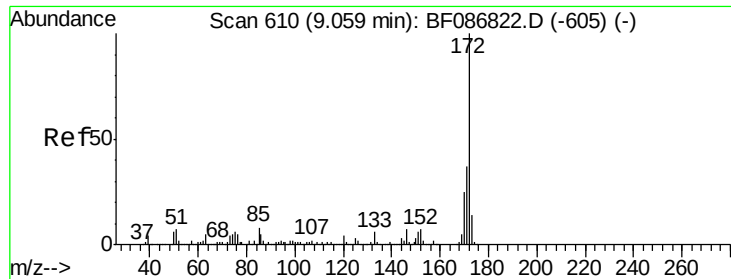
Tgt Ion:164 Resp: 272117
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.8 124.2
 160 46.6 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 92.25 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

Tgt Ion:330 Resp: 265744
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.0 118.4
 141 41.7 31.2 46.8





#44

2-Fluorobiphenyl

Concen: 79.53 ng

RT: 8.99 min Scan# 648

Delta R.T. -0.07 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampled :

S-1

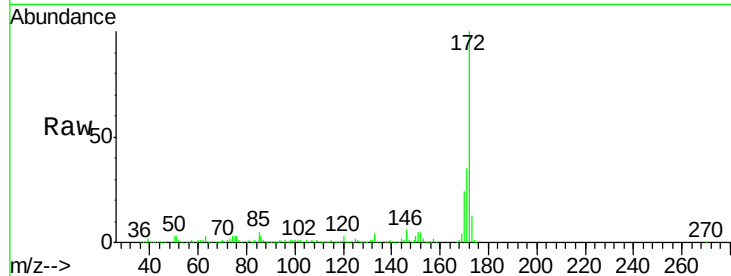
Tgt Ion:172 Resp: 1287750

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

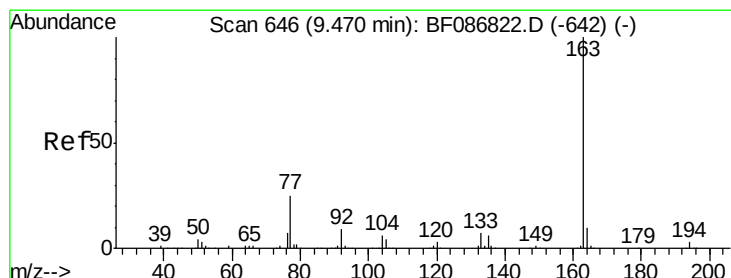
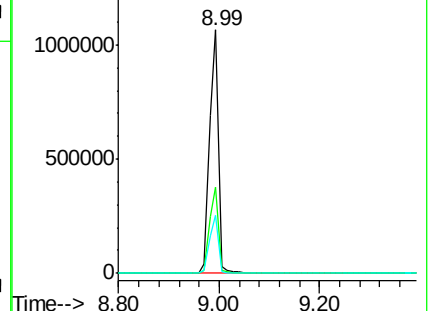
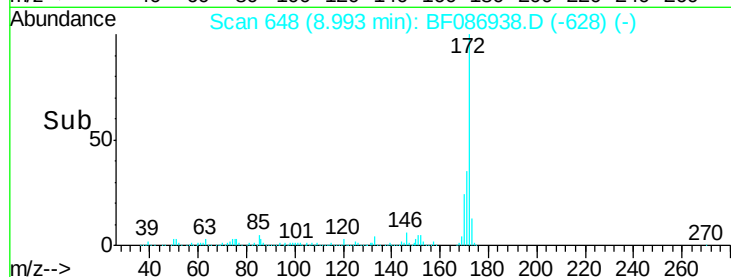
170 23.8 19.8 29.8



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: 10.81 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

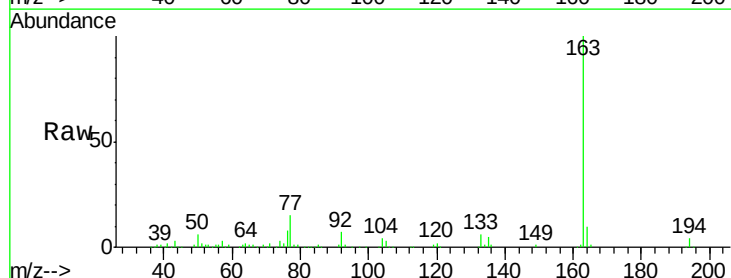
Tgt Ion:163 Resp: 224449

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

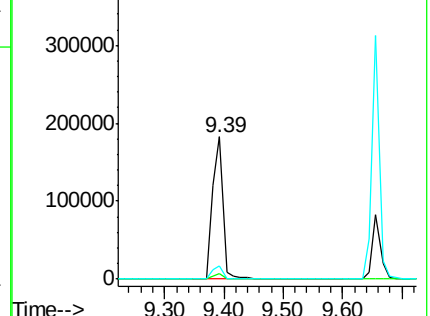
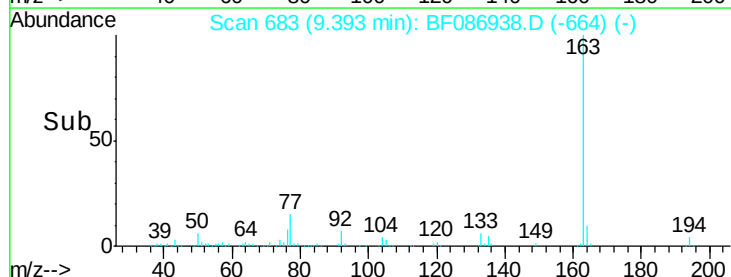
164 9.6 8.2 12.4

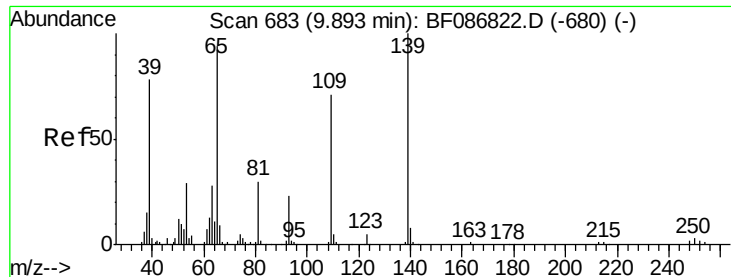


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 4.86 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampled :

S-1

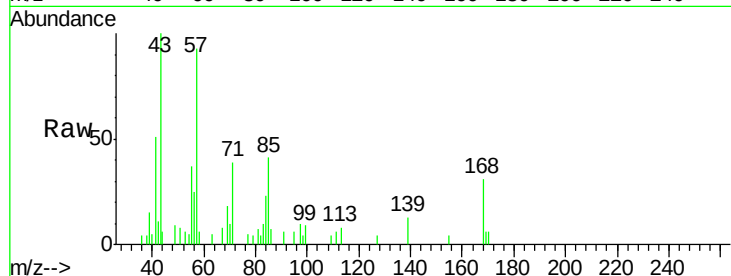
Tgt Ion:139 Resp: 981

Ion Ratio Lower Upper

139 100

109 35.0 36.9 76.9#

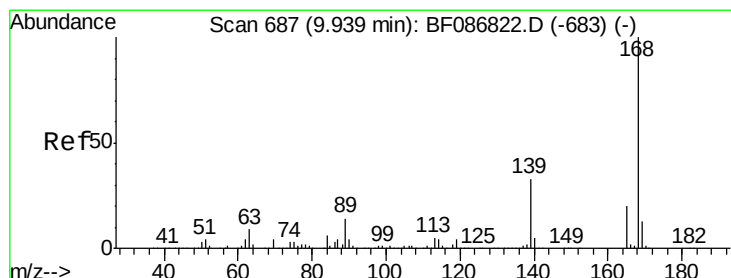
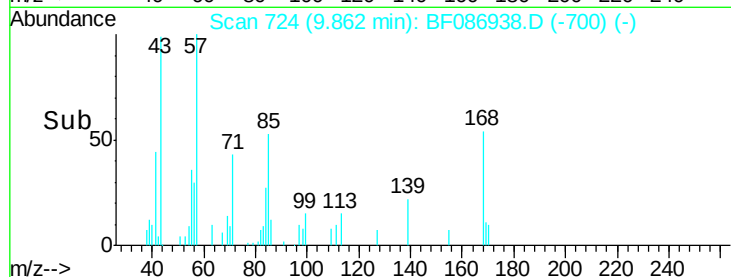
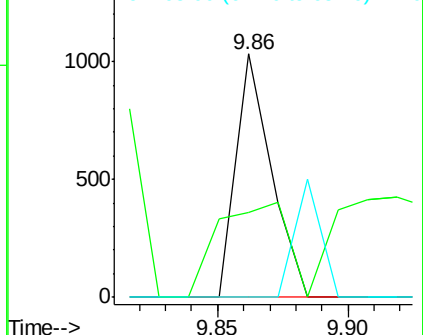
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.42 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.28 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Tgt Ion:165 Resp: 34712

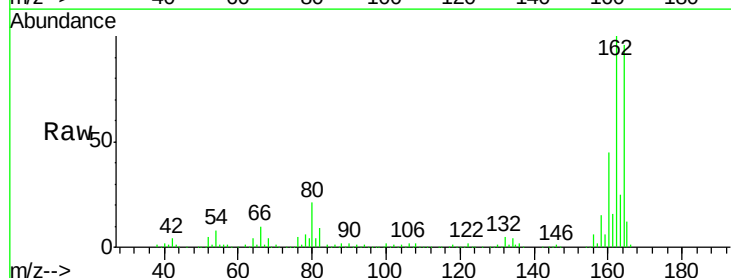
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

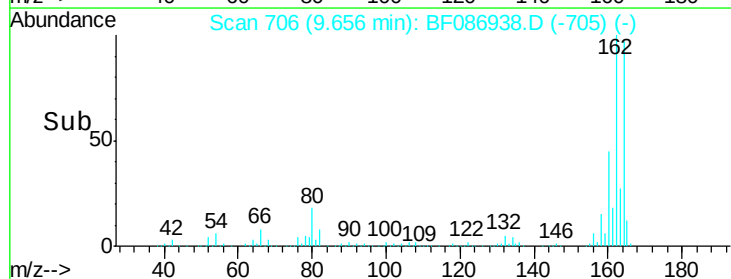
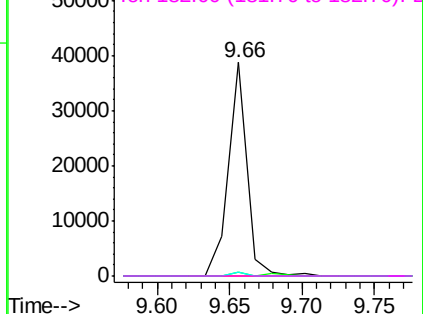


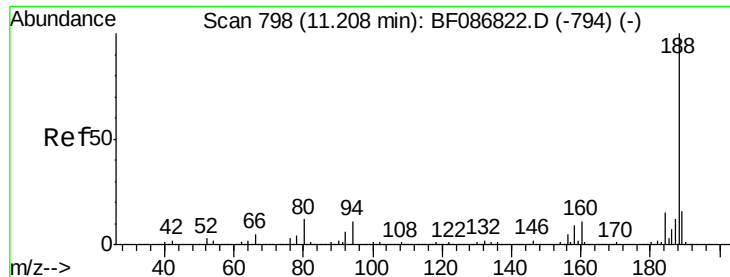
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

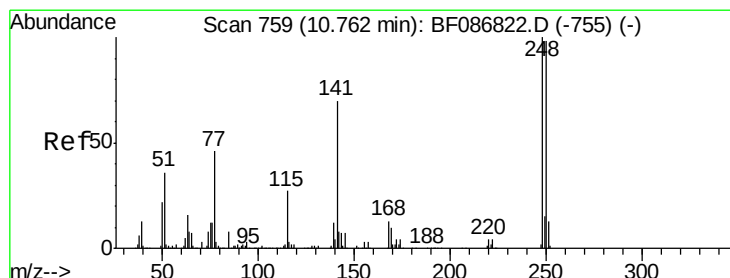
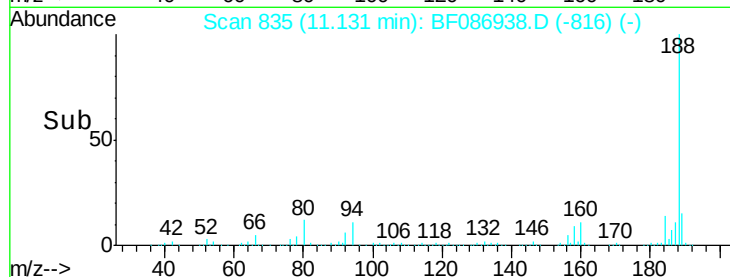
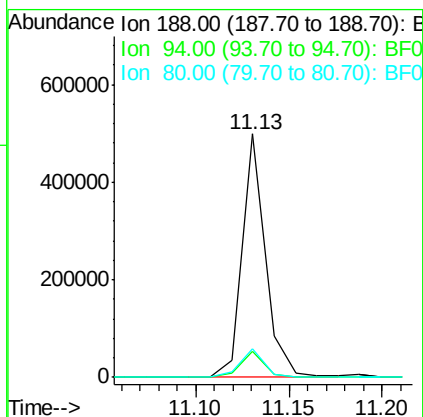
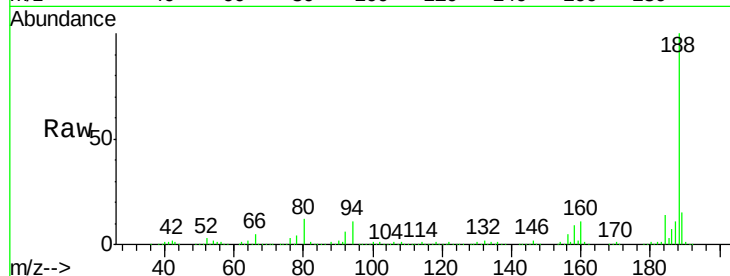




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.08 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

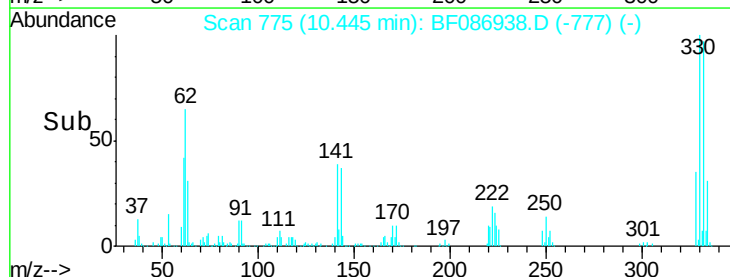
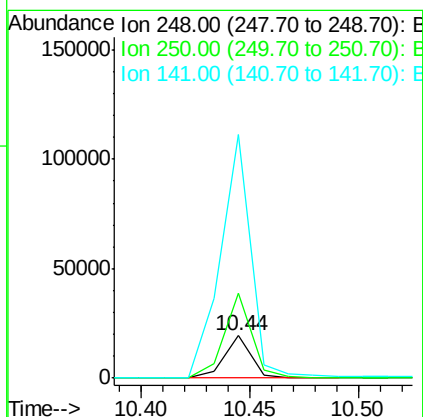
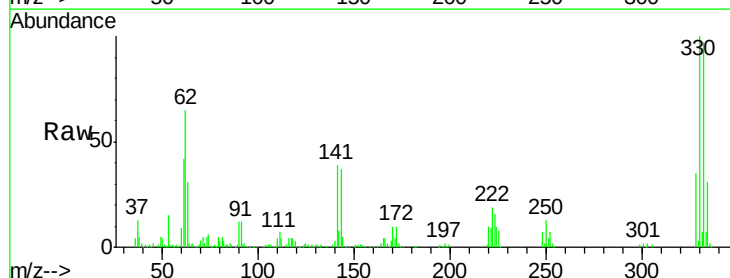
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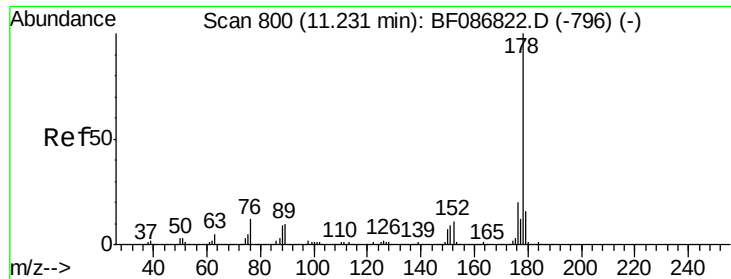
Tgt Ion:188 Resp: 434503
 Ion Ratio Lower Upper
 188 100
 94 10.9 6.8 10.2#
 80 11.8 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 3.83 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.32 min
 Lab File: BF086938.D
 Acq: 12 May 2016 18:54

Tgt Ion:248 Resp: 16885
 Ion Ratio Lower Upper
 248 100
 250 200.7 78.6 117.8#
 141 573.6 76.0 114.0#

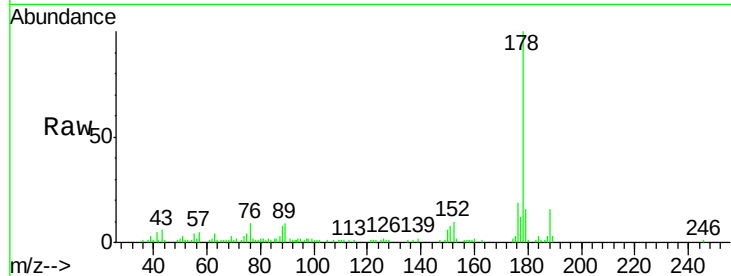




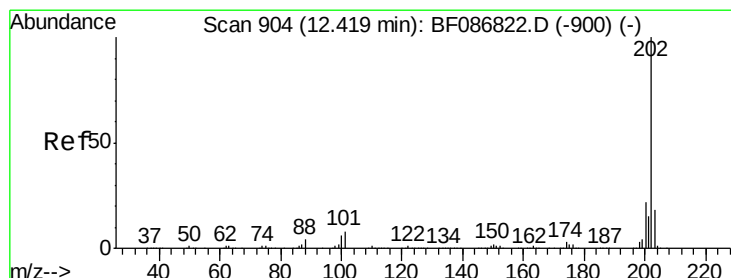
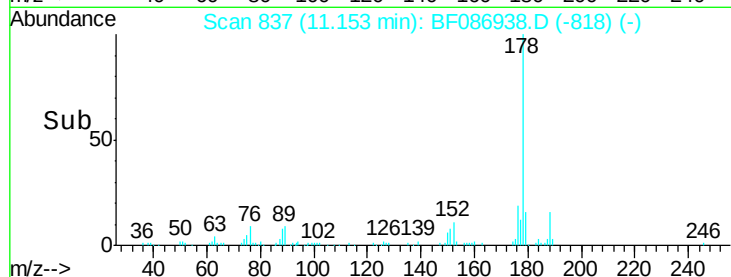
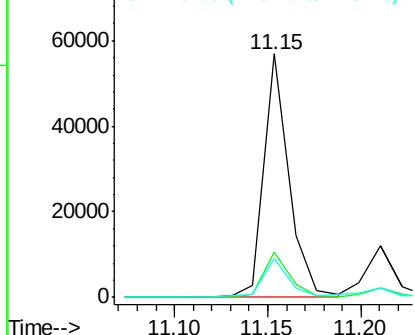
#70
Phenanthrene
Concen: 2.28 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:178 Resp: 52752
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.8 12.6 18.8

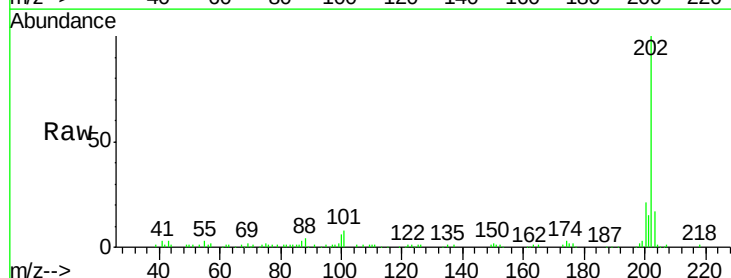


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

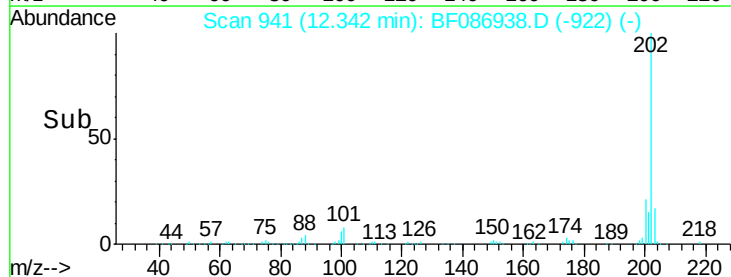
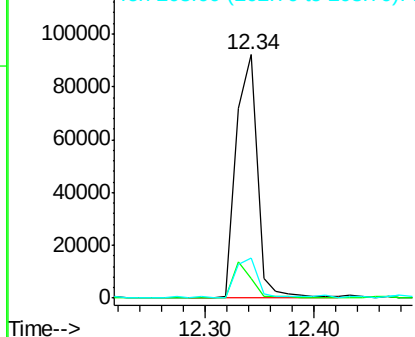


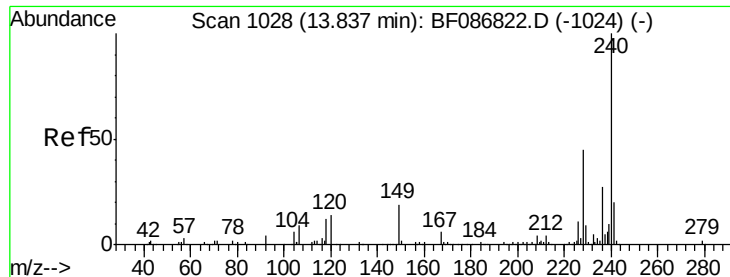
#74
Fluoranthene
Concen: 5.18 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.08 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:202 Resp: 123428
Ion Ratio Lower Upper
202 100
101 7.9 0.0 35.4
203 16.7 0.0 38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampleId :

S-1

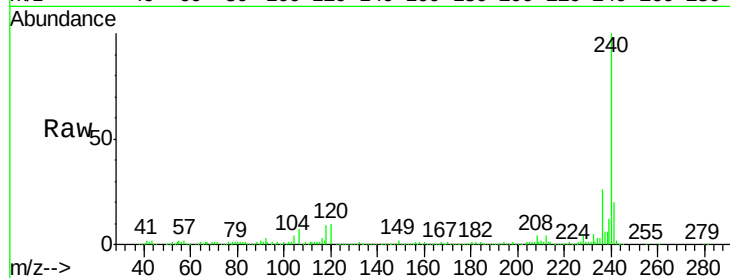
Tgt Ion:240 Resp: 289601

Ion Ratio Lower Upper

240 100

120 10.3 11.2 16.8#

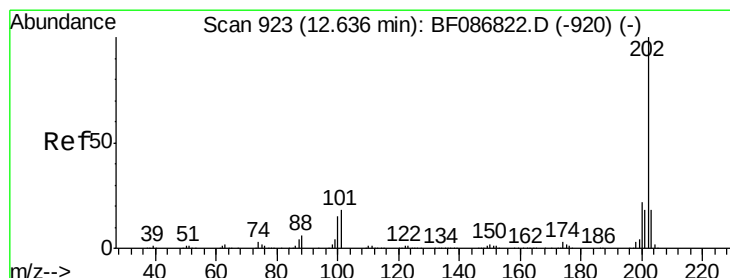
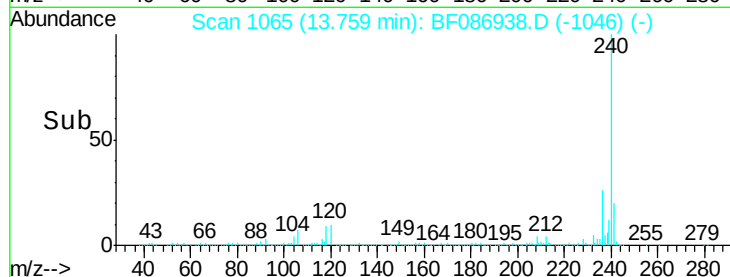
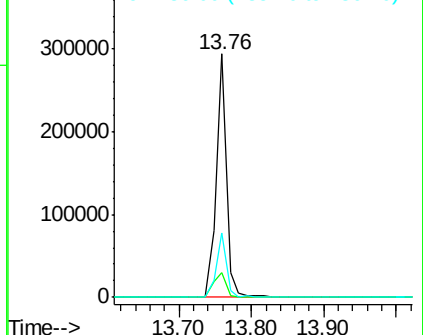
236 26.4 21.2 31.8



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: 5.21 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

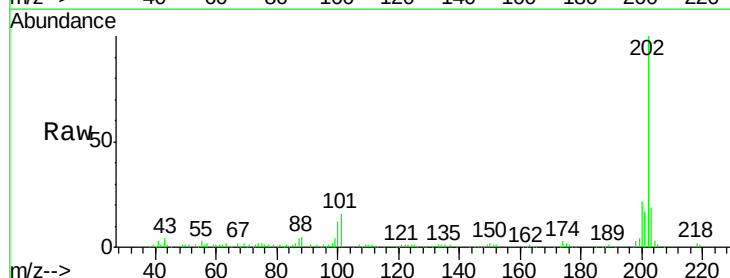
Tgt Ion:202 Resp: 115454

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

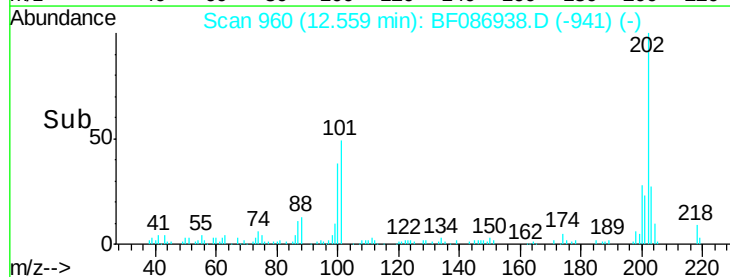
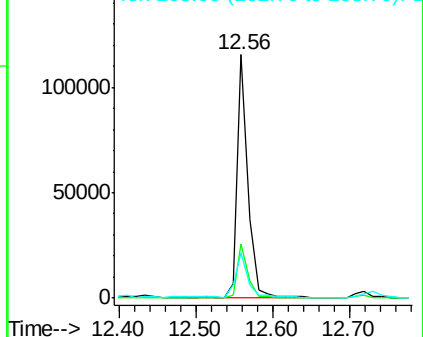
203 18.7 14.2 21.4

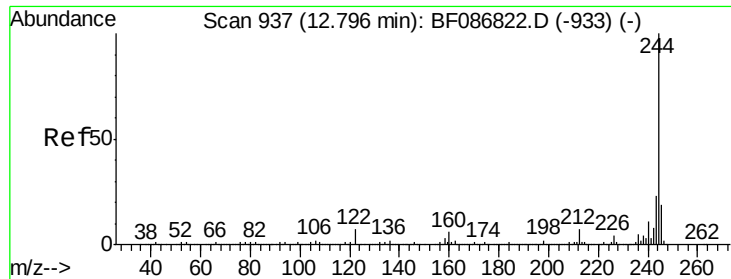


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.14 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampleId :

S-1

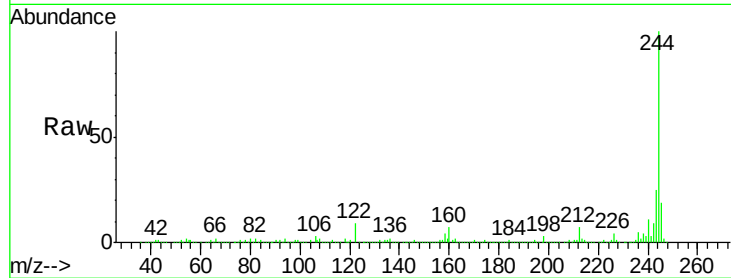
Tgt Ion:244 Resp: 820901

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

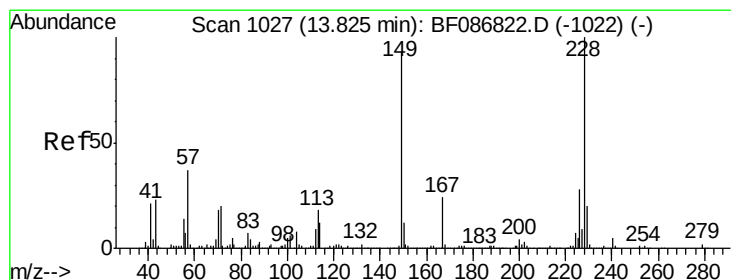
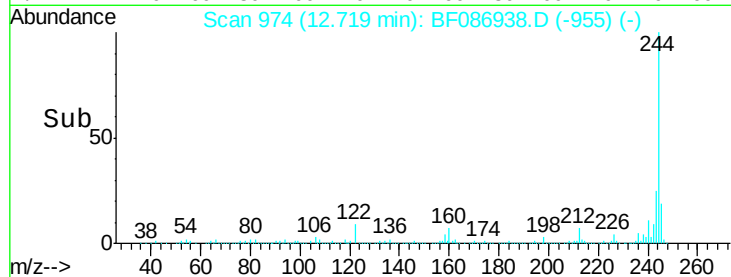
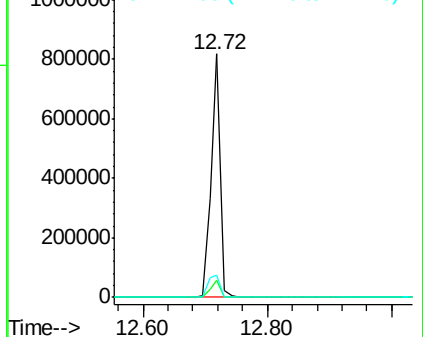
122 9.1 12.0 18.0#



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: 4.41 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

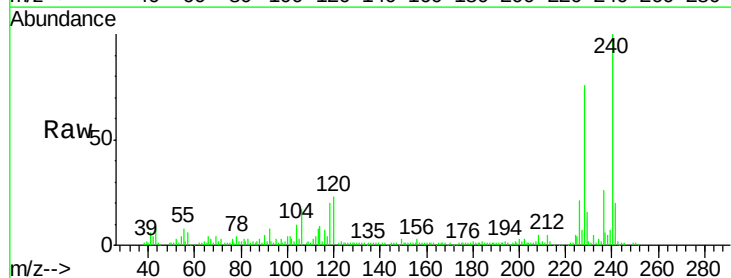
Tgt Ion:228 Resp: 71673

Ion Ratio Lower Upper

228 100

226 27.6 22.5 33.7

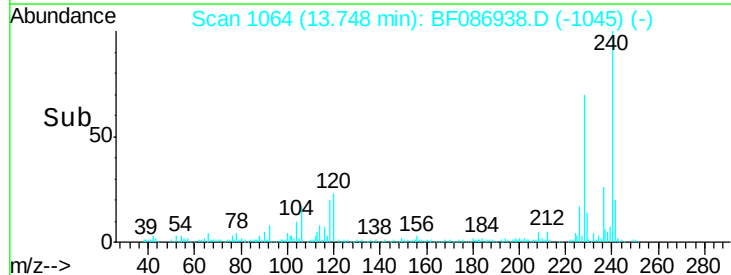
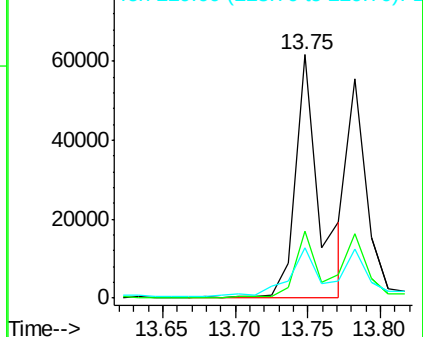
229 20.8 16.6 25.0

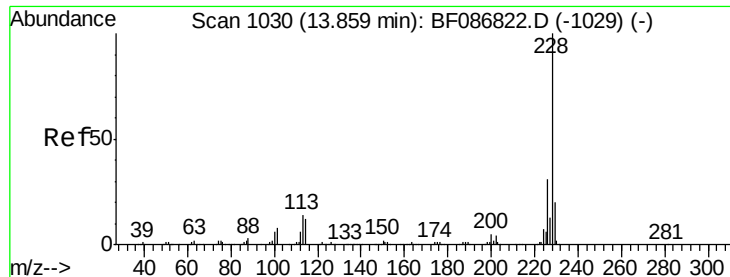


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.16 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.08 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampleId :

S-1

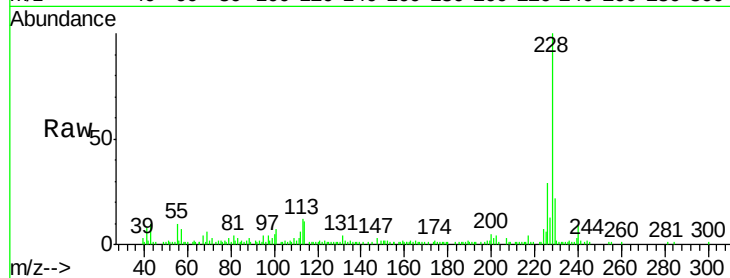
Tgt Ion: 228 Resp: 52288

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

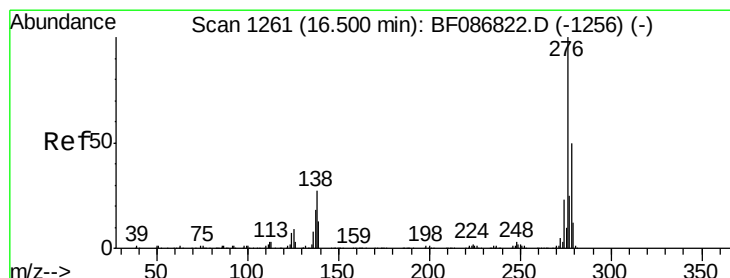
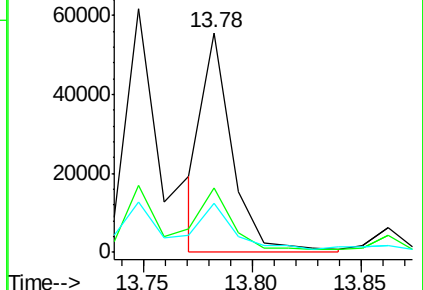
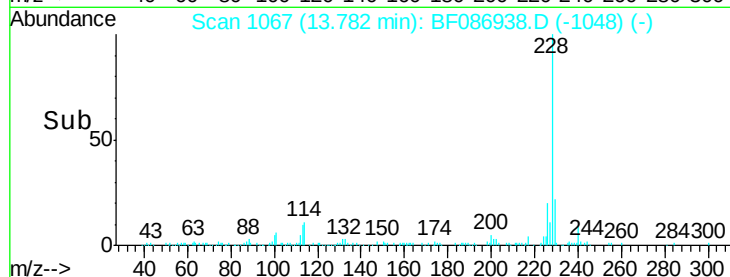
229 22.4 15.8 23.8



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: 2.83 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

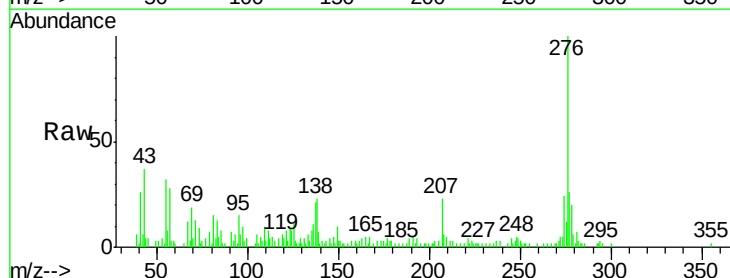
Tgt Ion: 276 Resp: 38882

Ion Ratio Lower Upper

276 100

138 25.0 25.6 38.4#

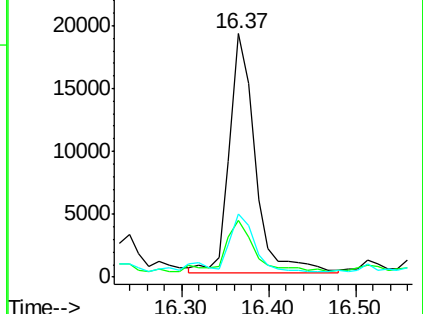
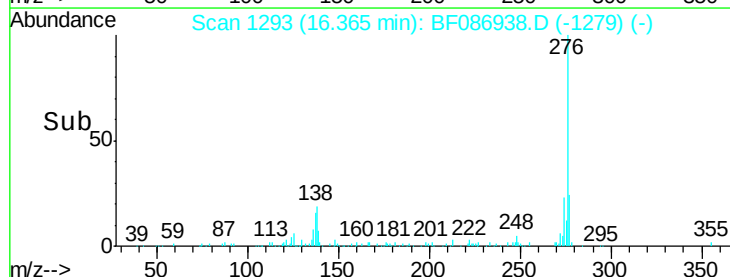
277 28.0 20.5 30.7

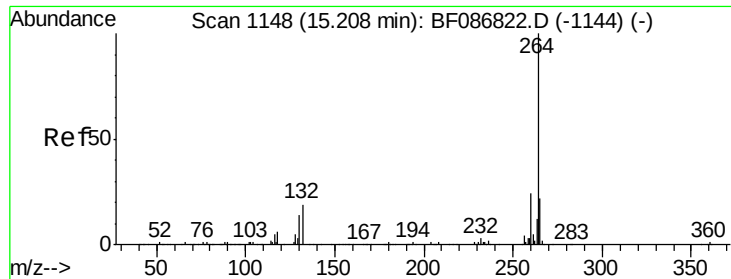


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

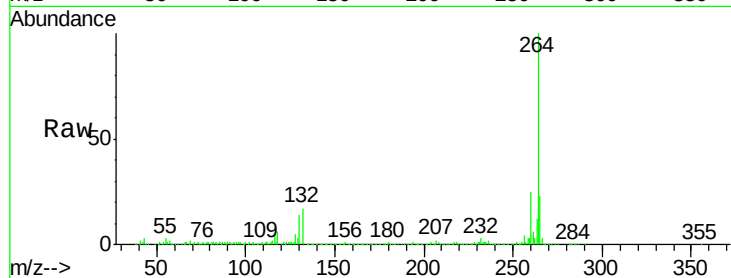




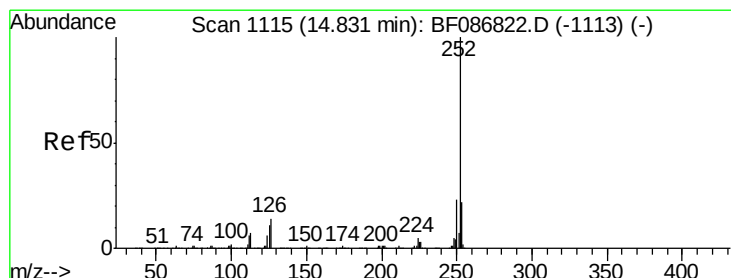
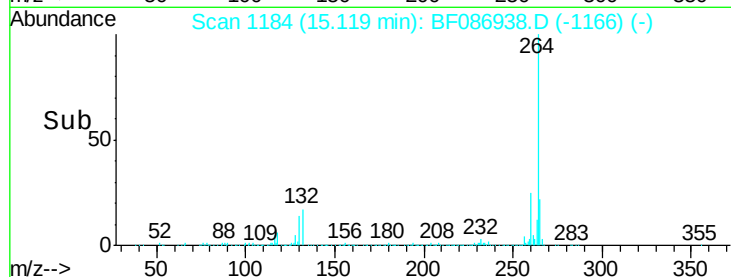
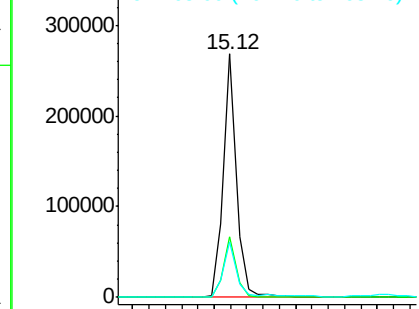
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 264 Resp: 302936
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.5 17.3 25.9

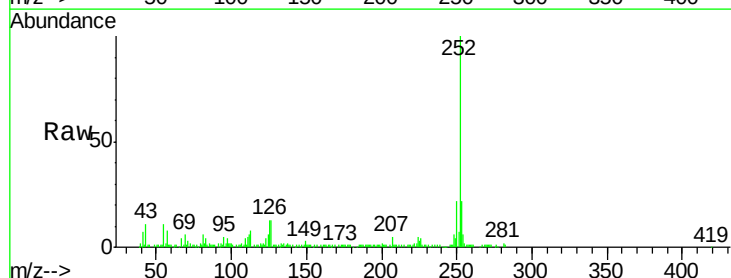


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

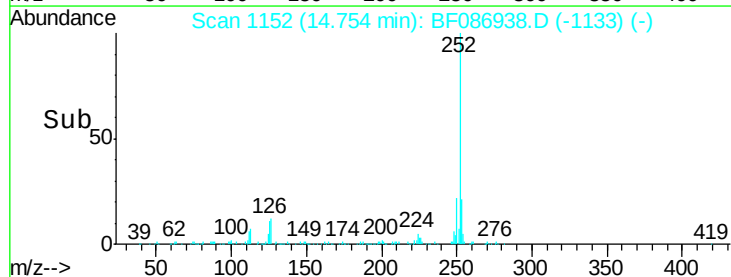
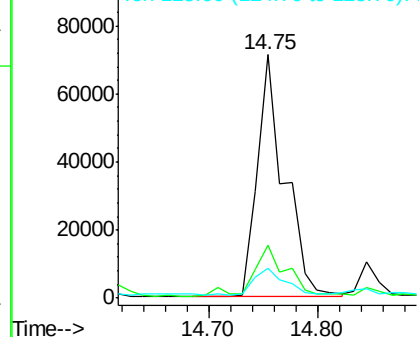


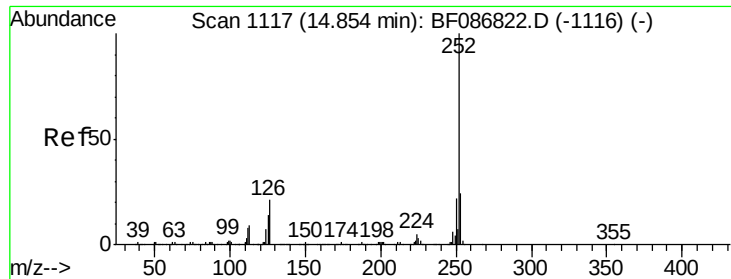
#87
Benzo(b)fluoranthene
Concen: 6.29 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion: 252 Resp: 123847
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 12.5 11.4 17.0



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

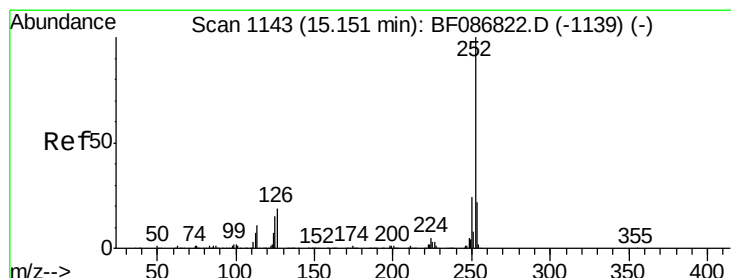
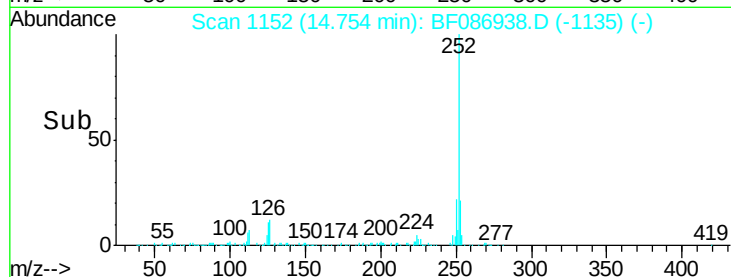
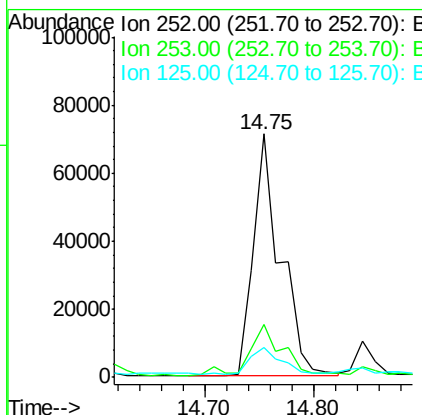
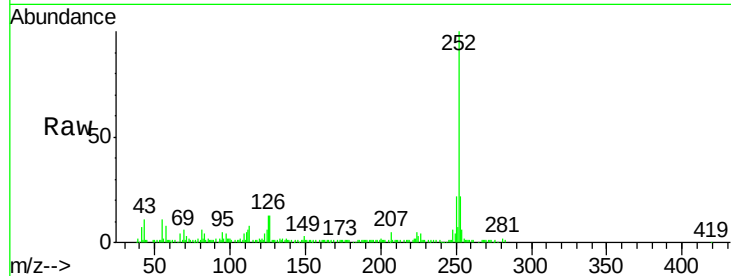




#88
Benzo(k)fluoranthene
Concen: 7.68 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

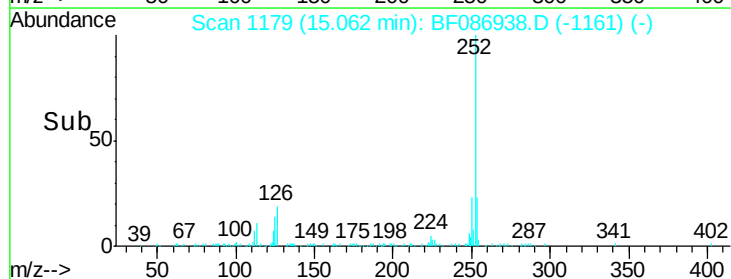
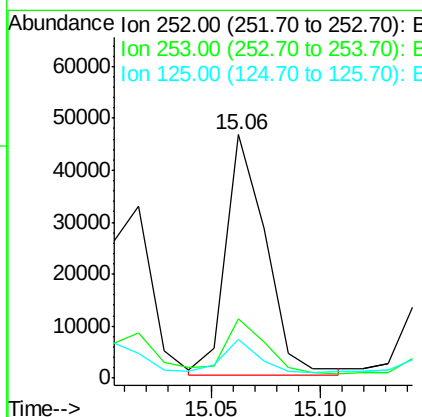
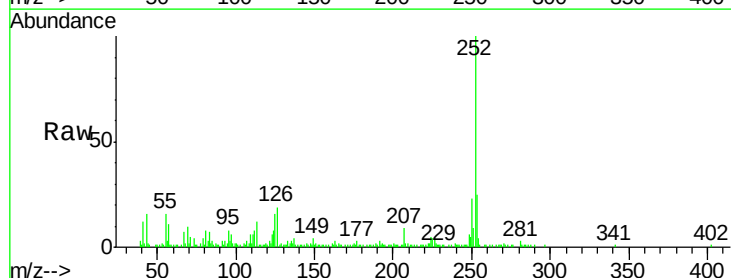
Instrument :
BNA_F
ClientSampleId :
S-1

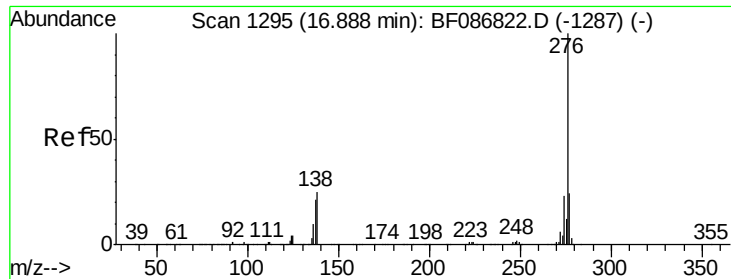
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	12.5	9.1	13.7



#89
Benzo(a)pyrene
Concen: 3.47 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	16.1	9.0	13.6





#91

Benzo(g,h,i)perylene

Concen: 2.54 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF086938.D

Acq: 12 May 2016 18:54

Instrument :

BNA_F

ClientSampleId :

S-1

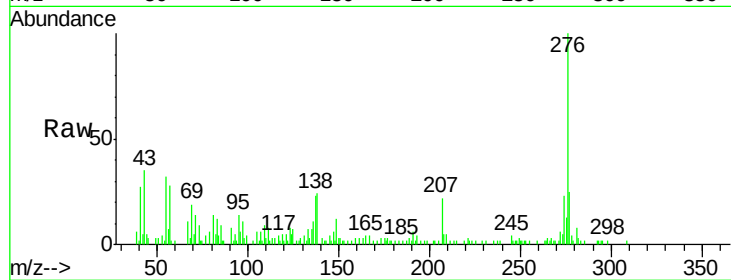
Tgt Ion: 276 Resp: 36970

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 23.6 23.6 35.4#



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

