

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084361.D
 Acq On : 10 Jan 2016 13:31
 Operator : SJ/UM
 Sample : H1043-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:18:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	265101	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1109379	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	500652	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	896506	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	597647	20.00	ng	-0.05
86) Perylene-d12	15.45	264	484098	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1987952	121.29	ng	-0.02
7) Phenol-d6	6.51	99	2554395	124.09	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1691523	84.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	669225	132.40	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2185444	76.13	ng	-0.05
78) Terphenyl-d14	12.97	244	1905474	71.17	ng	-0.05

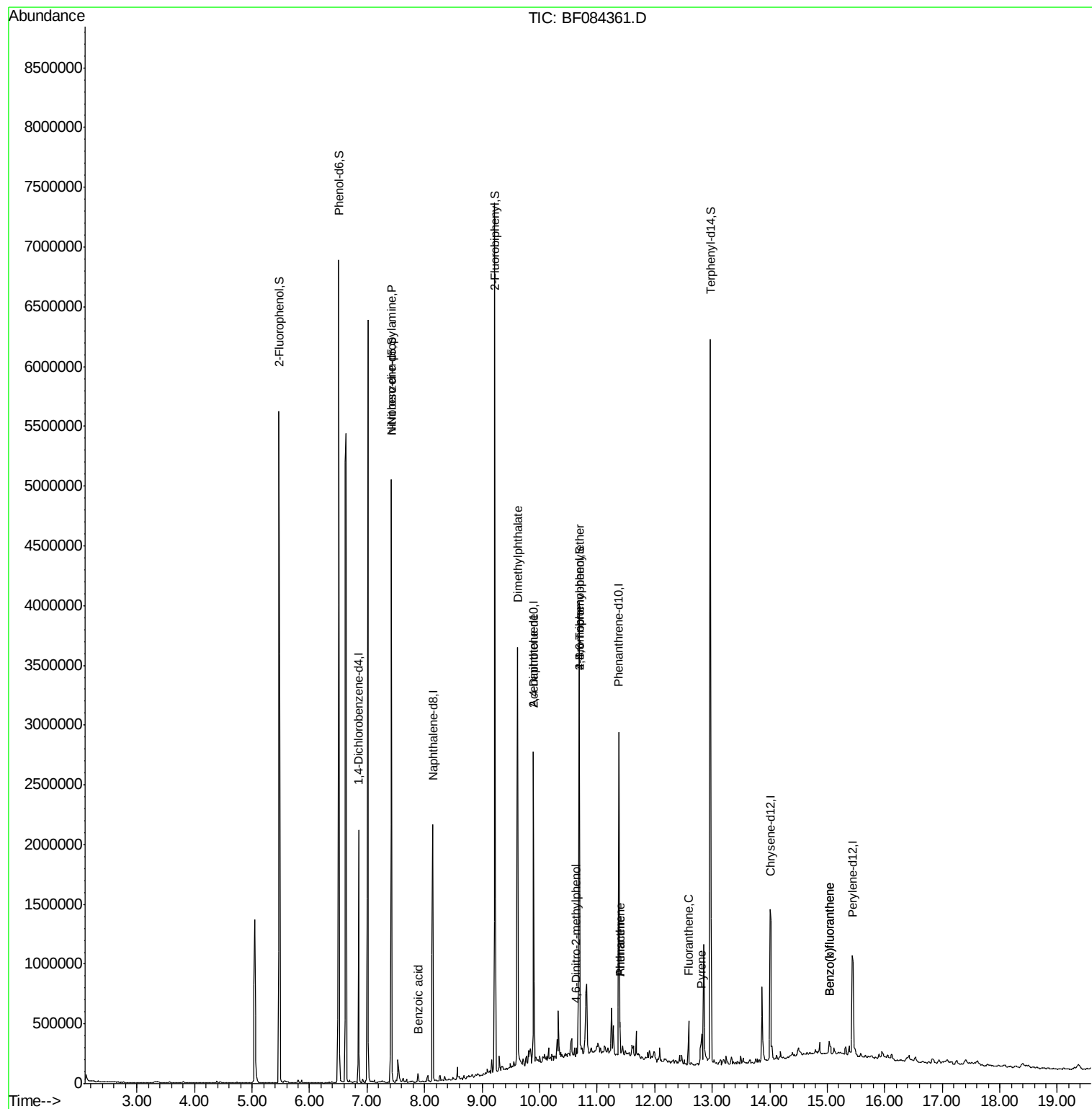
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	246416	17.68	ng	# 72
32) Benzoic acid	7.89	122	263	6.27	ng	# 80
49) Dimethylphthalate	9.62	163	1300096	36.32	ng	# 90
54) Dibenzofuran	10.10	168	5489	Below Cal		# 73
56) 2,4-Dinitrotoluene	9.89	165	68398	6.88	ng	# 21
57) Fluorene	10.44	166	7674	Below Cal		# 80
60) 4-Chlorophenyl-phenylether	10.42	204	213	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.64	198	327	6.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	41190	4.27	ng	# 1
70) Phenanthrene	11.40	178	98669	2.10	ng	100
71) Anthracene	11.40	178	98669	2.15	ng	99
73) Di-n-butylphthalate	11.95	149	9398	Below Cal		# 77
74) Fluoranthene	12.59	202	160394	3.27	ng	95
77) Pyrene	12.82	202	144019	3.07	ng	98
87) Benzo(b)fluoranthene	15.04	252	84452	2.67	ng	# 92
88) Benzo(k)fluoranthene	15.04	252	84452	3.26	ng	96

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

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



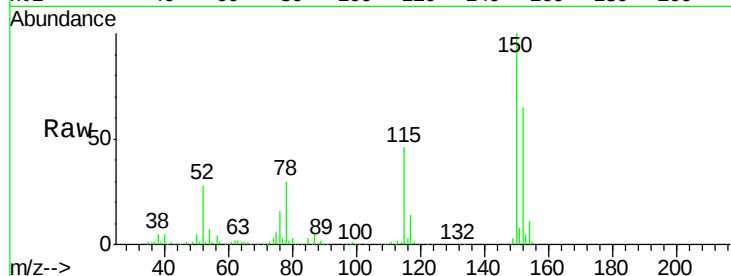


#1

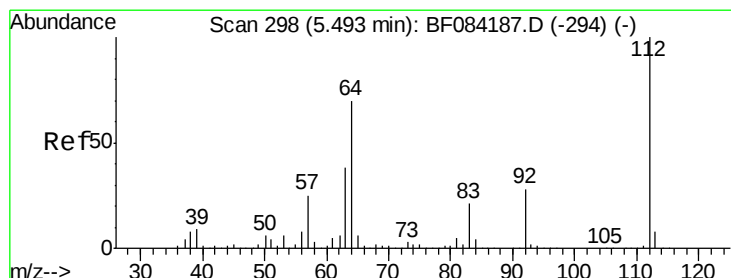
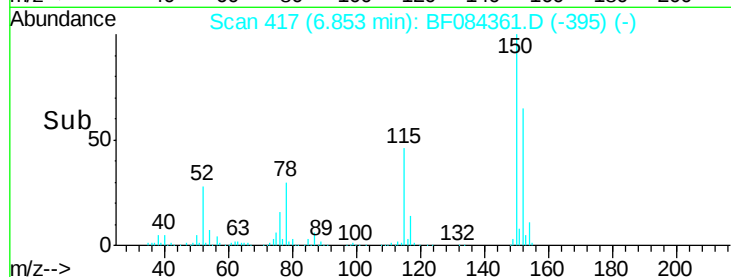
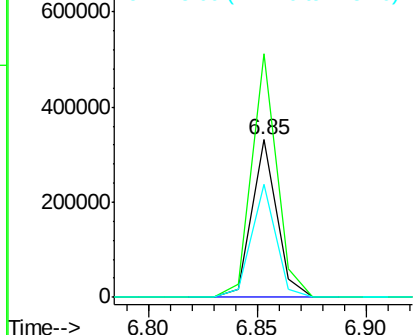
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 265101
Ion Ratio Lower Upper
152 100
150 154.7 123.0 184.4
115 71.5 51.4 77.2



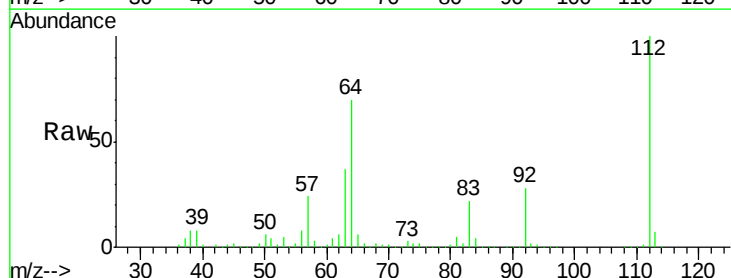
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



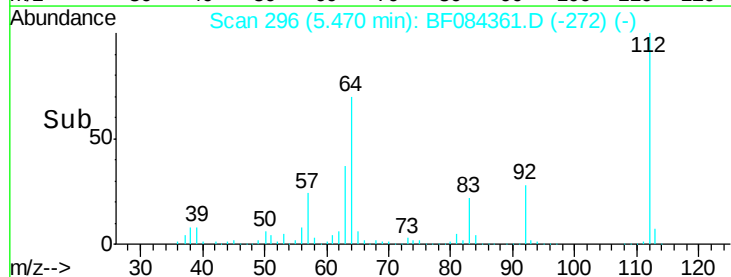
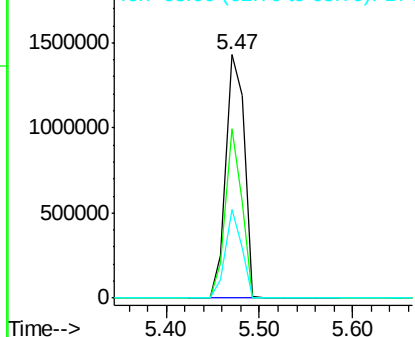
#5

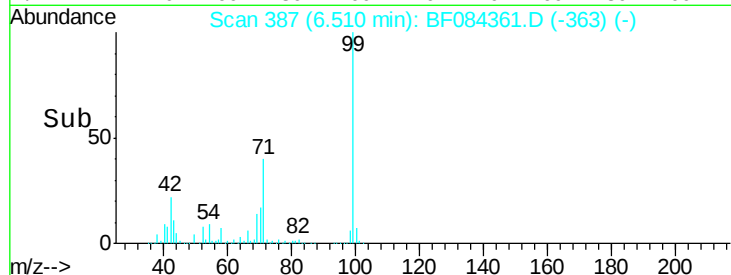
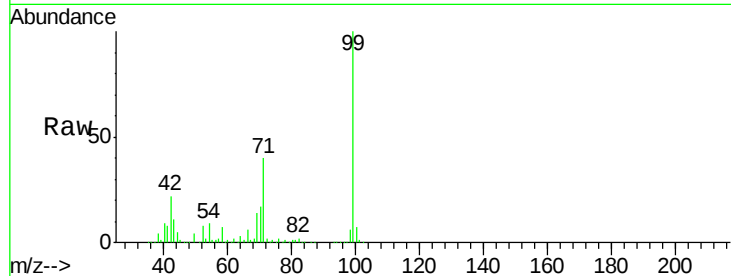
2-Fluorophenol
Concen: 121.29 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.02 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:112 Resp: 1987952
Ion Ratio Lower Upper
112 100
64 69.6 36.6 55.0#
63 36.5 19.4 29.0#



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: 124.09 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

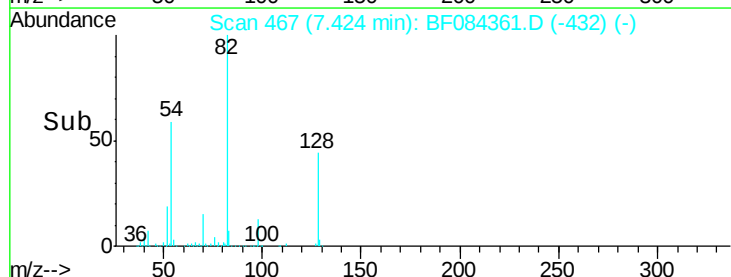
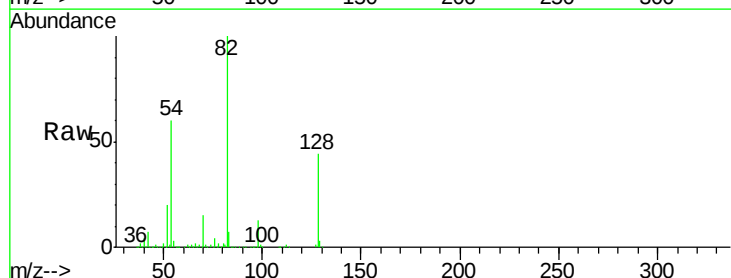
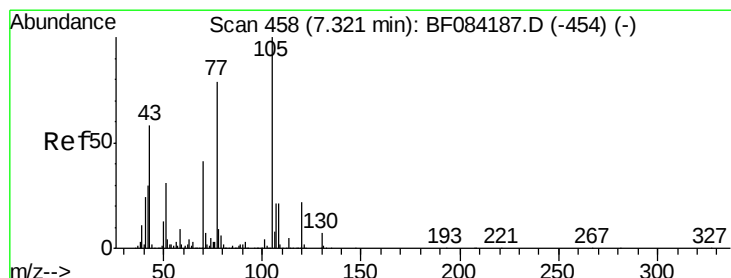
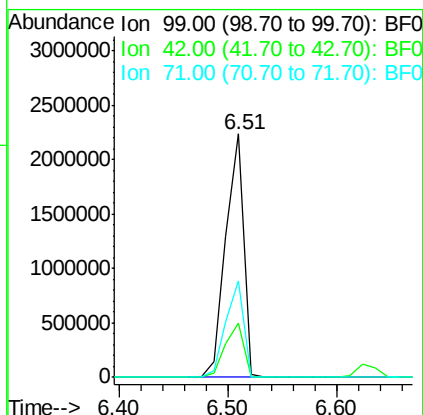
Tot Ion: 99 Resp: 2554395

Ion Ratio Lower Upper

99 100

42 22.2 12.8 19.2#

71 39.6 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.68 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Tgt Ion: 70 Resp: 246416

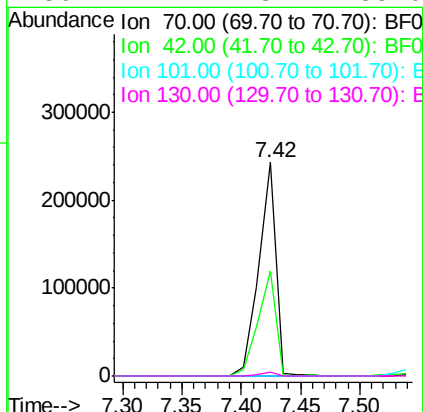
Ion Ratio Lower Upper

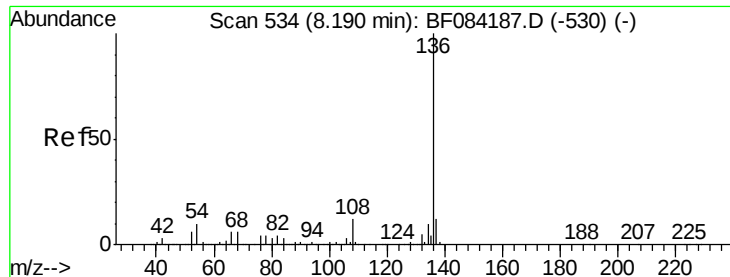
70 100

42 49.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

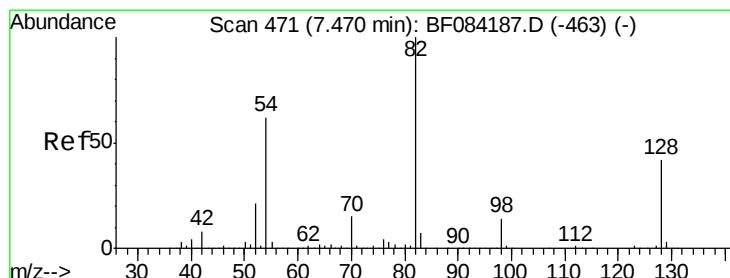
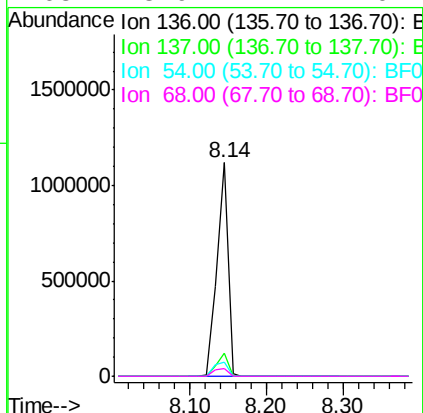
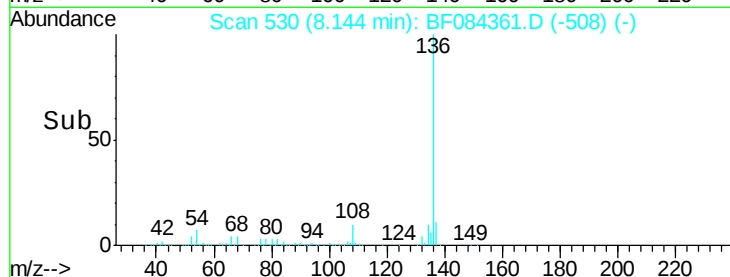
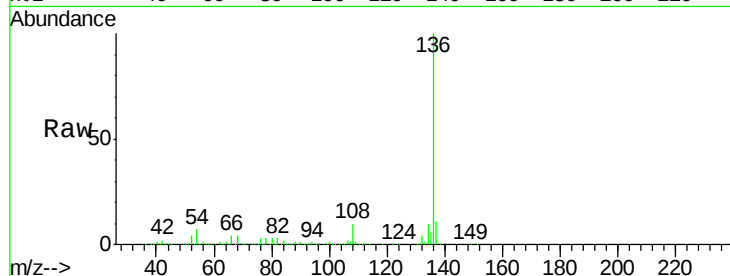
Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1109379

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.7	5.8	8.8
68	3.9	4.2	6.2#



#23

Nitrobenzene-d5

Concen: 84.86 ng

RT: 7.42 min Scan# 467

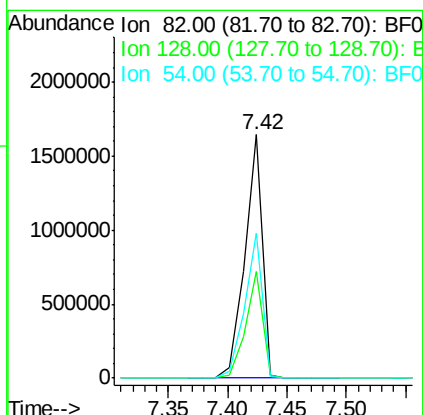
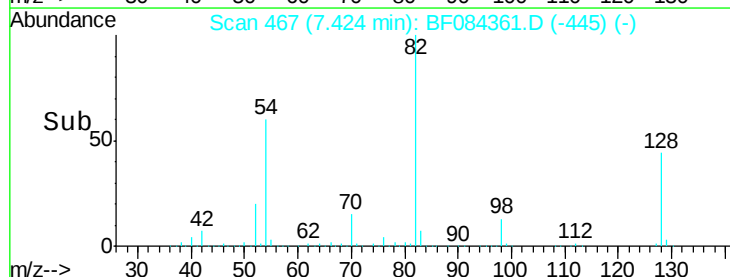
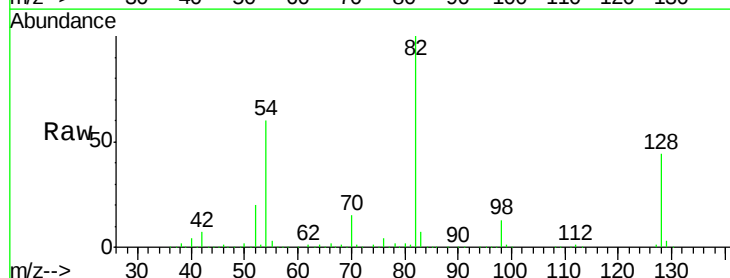
Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Tgt Ion: 82 Resp: 1691523

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	51.8
54	59.5	38.4	57.6#

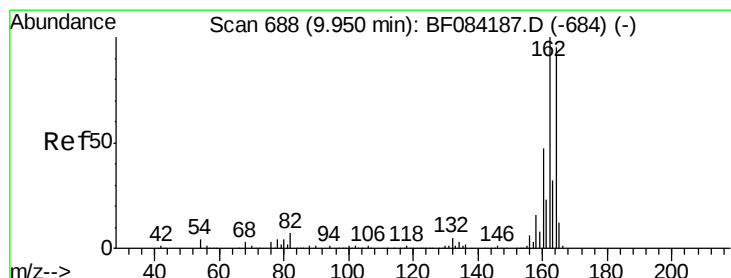
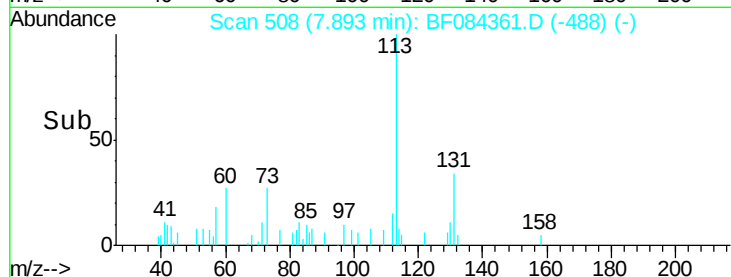
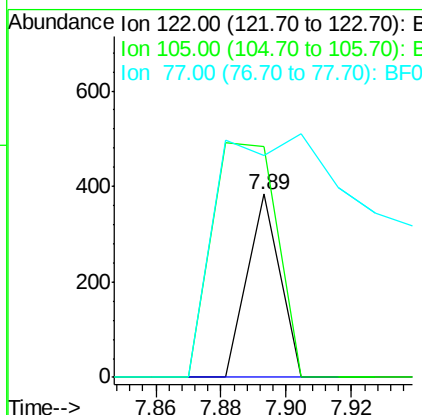
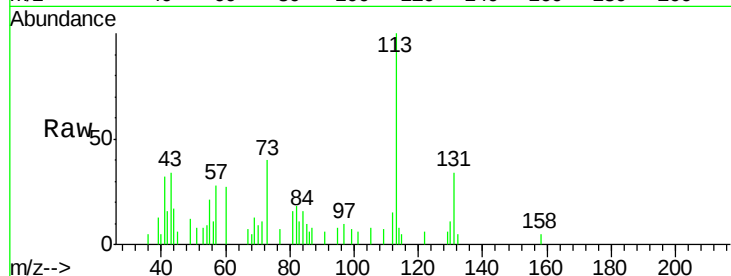




#32
Benzoic acid
Concen: 6.27 ng
RT: 7.89 min Scan# 508
Delta R.T. -0.07 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

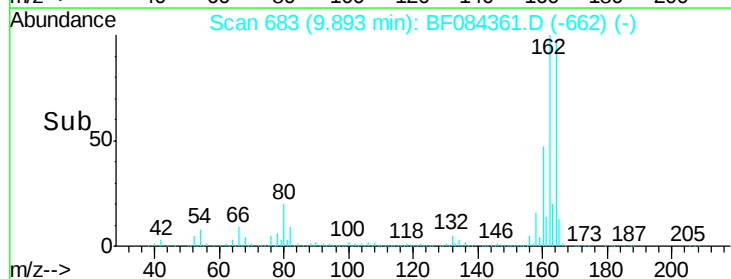
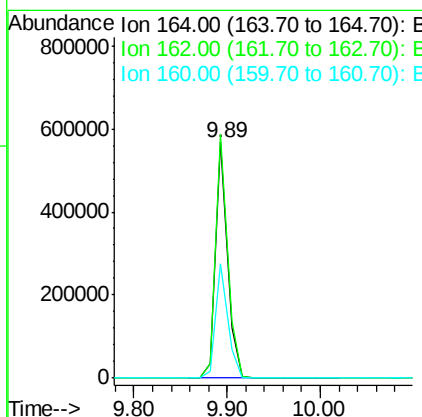
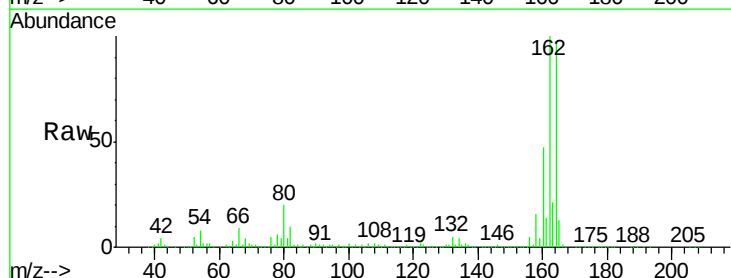
Instrument :
BNA_F
ClientSampleId :

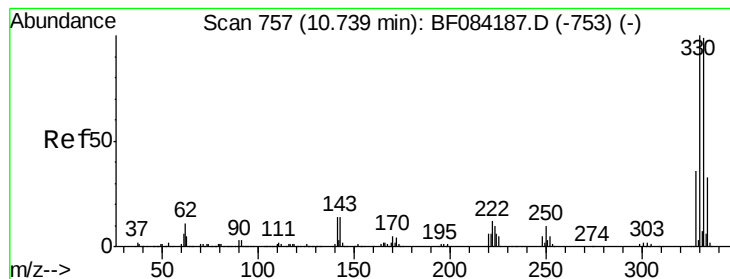
Tot Ion:122 Resp: 263
Ion Ratio Lower Upper
122 100
105 125.8 100.3 140.3
77 121.4 63.5 103.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:164 Resp: 500652
Ion Ratio Lower Upper
164 100
162 103.4 85.1 127.7
160 48.4 37.5 56.3





#41

2,4,6-Tribromophenol

Concen: 132.40 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

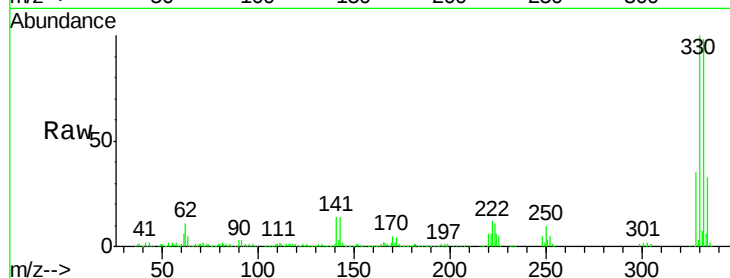
Tot Ion:330 Resp: 669225

Ion Ratio Lower Upper

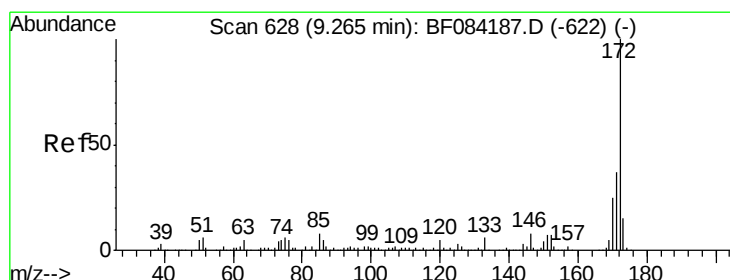
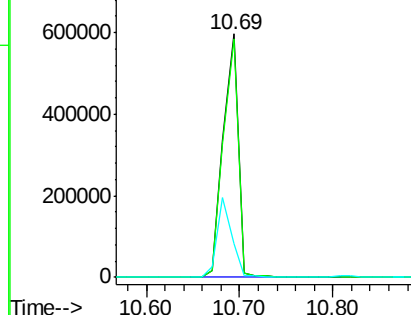
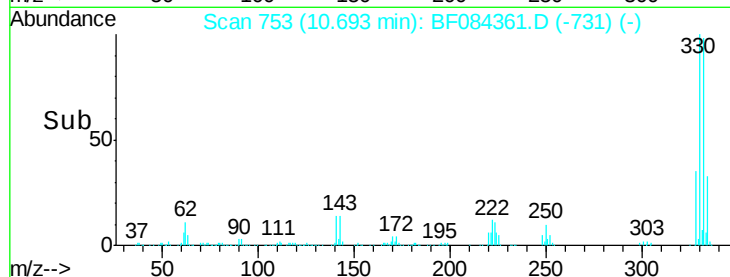
330 100

332 98.0 76.6 114.8

141 32.3 27.8 41.6



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: 76.13 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

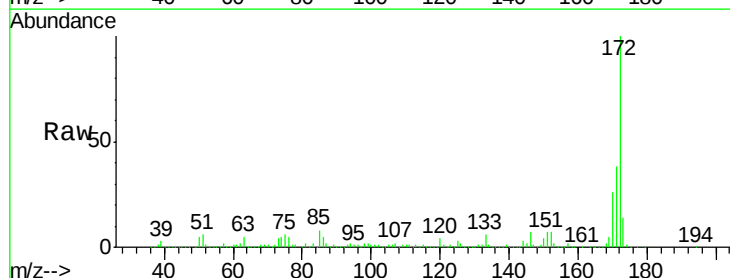
Tgt Ion:172 Resp: 2185444

Ion Ratio Lower Upper

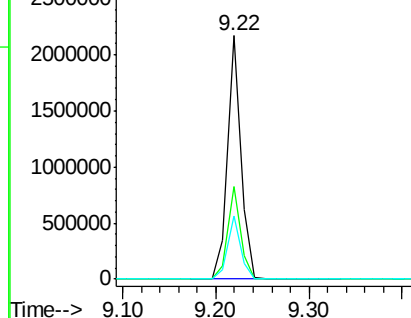
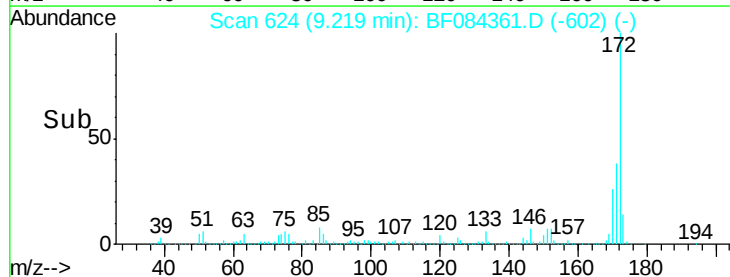
172 100

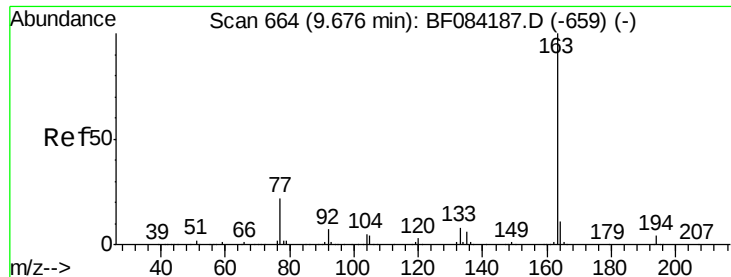
171 38.1 28.9 43.3

170 26.0 18.6 27.8



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

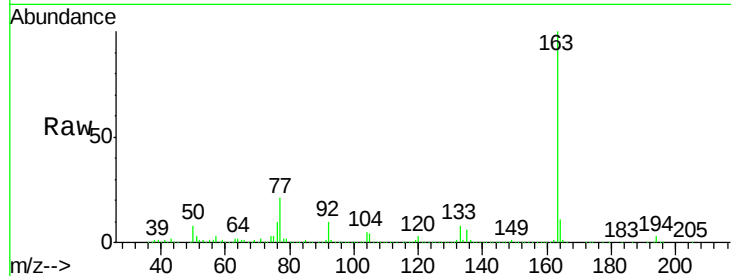




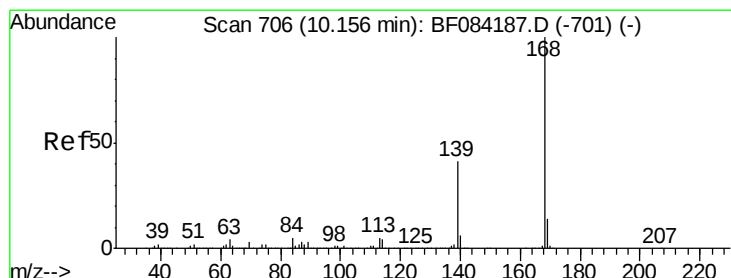
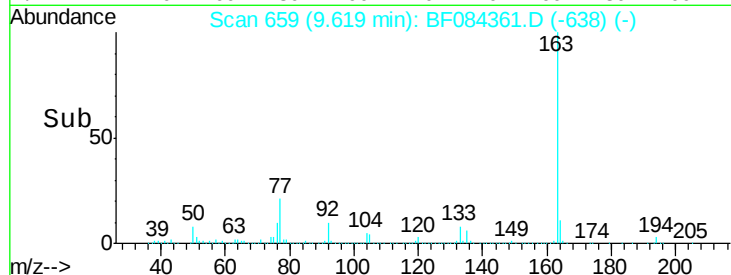
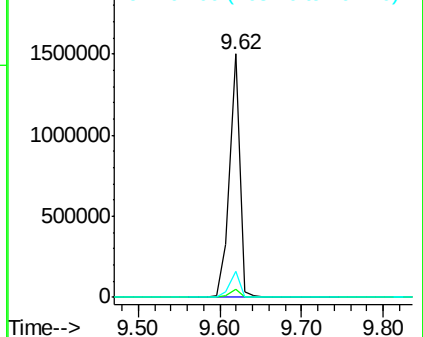
#49
Dimethylphthalate
Concen: 36.32 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 1300096
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 10.6 8.0 12.0

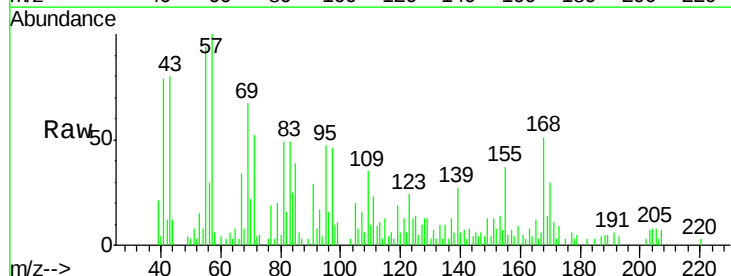


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

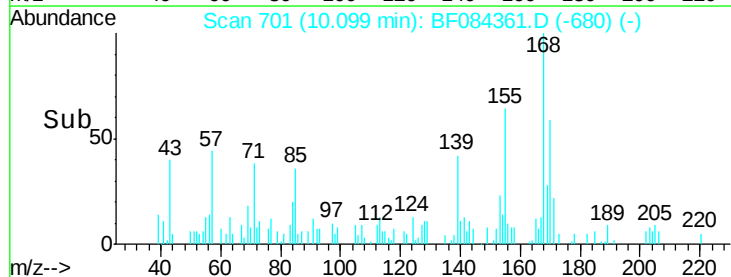
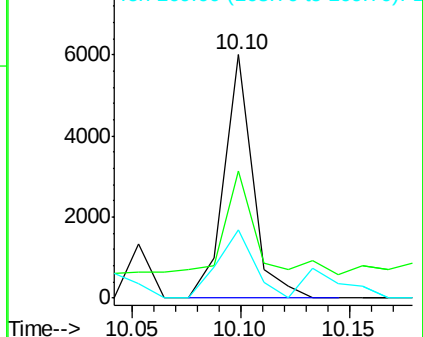


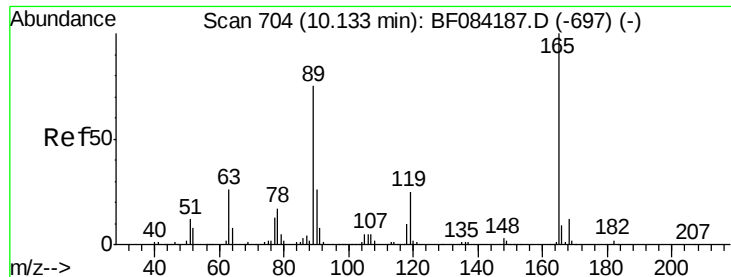
#54
Dibenzofuran
Concen: Below Cal
RT: 10.10 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:168 Resp: 5489
Ion Ratio Lower Upper
168 100
139 52.2 30.5 45.7#
169 27.9 10.4 15.6#



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

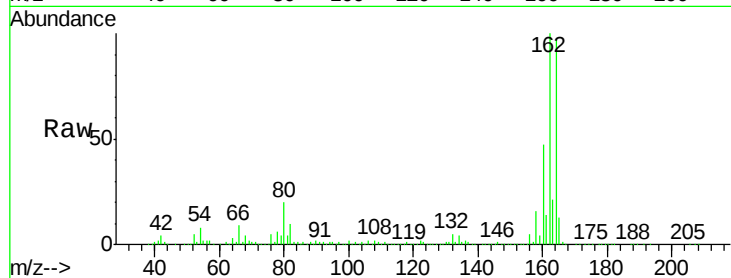




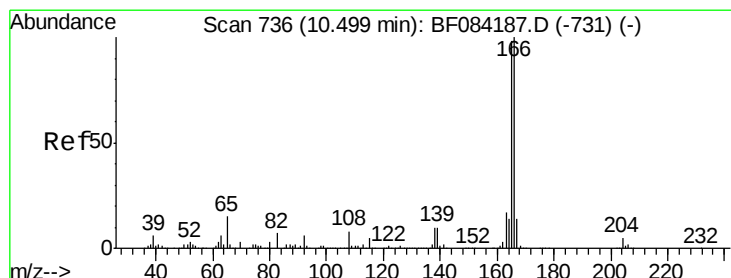
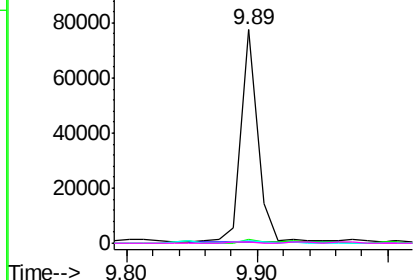
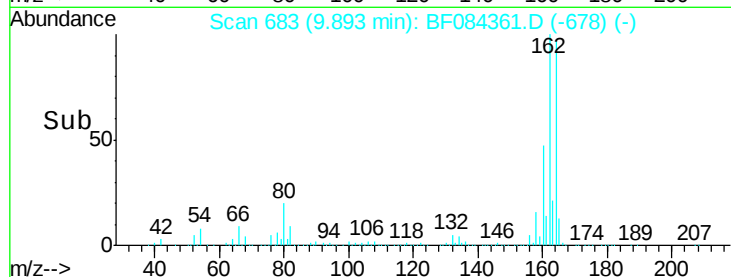
#56
2,4-Dinitrotoluene
Concen: 6.88 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.24 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 68398
Ion Ratio Lower Upper
165 100
63 1.6 36.7 55.1#
89 1.5 61.9 92.9#
182 0.5 2.0 3.0#

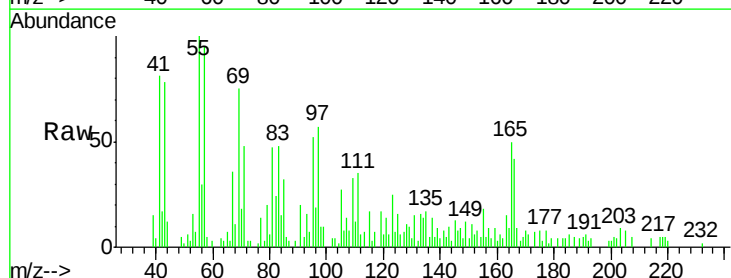


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

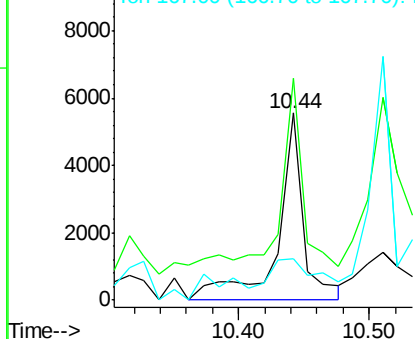
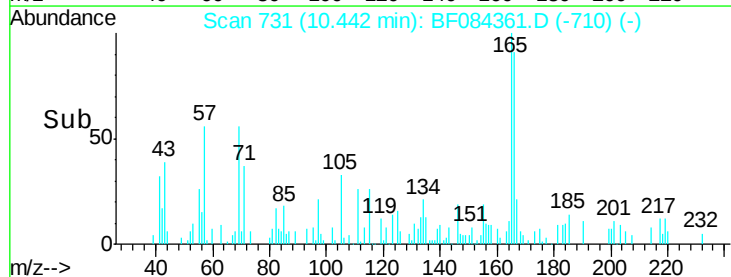


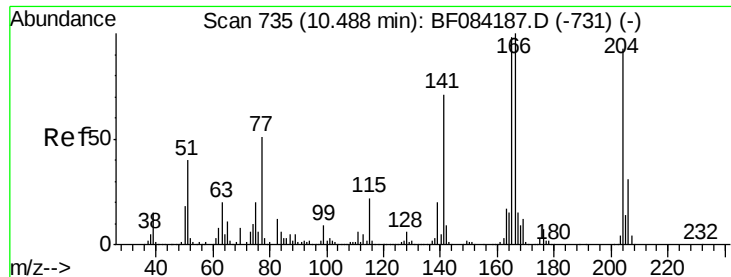
#57
Fluorene
Concen: Below Cal
RT: 10.44 min Scan# 731
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:166 Resp: 7674
Ion Ratio Lower Upper
166 100
165 118.7 79.1 118.7
167 21.9 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

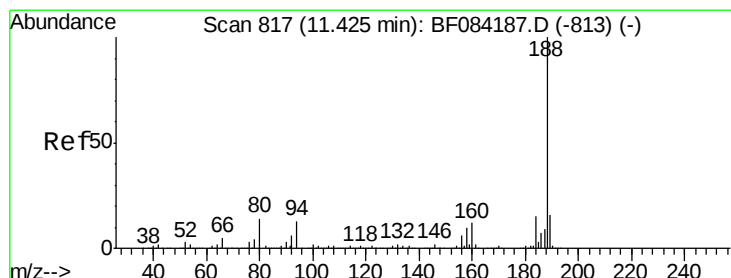
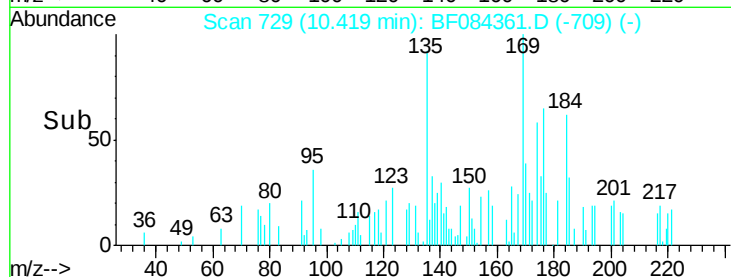
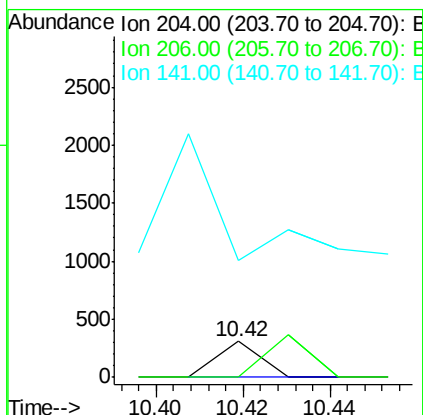
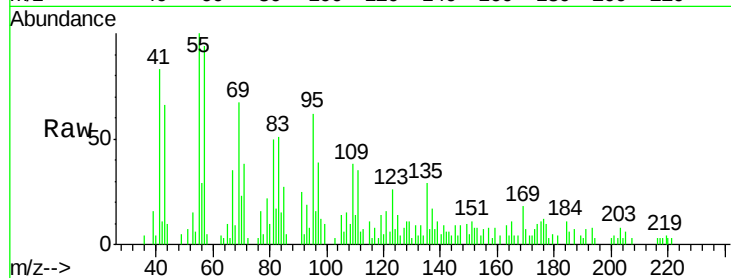




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.42 min Scan# 729
Delta R.T. -0.07 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

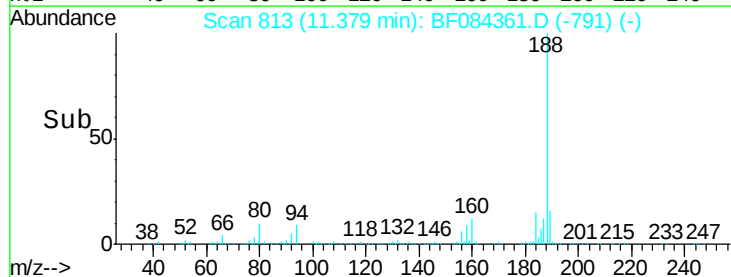
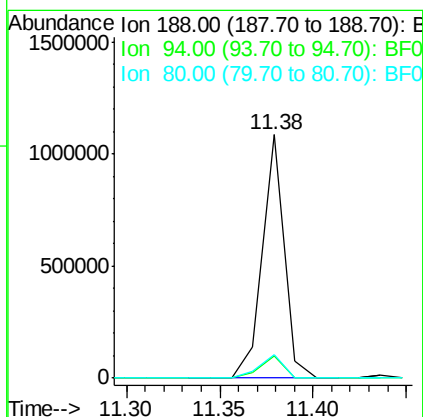
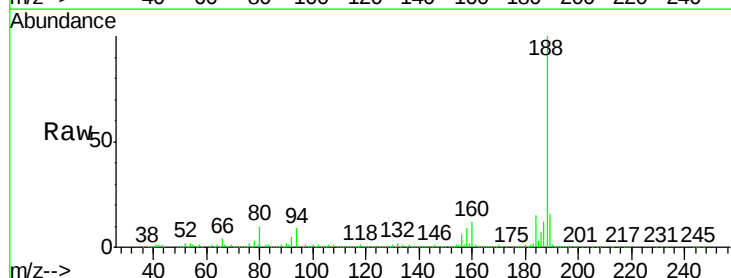
Instrument :
BNA_F
ClientSampled :

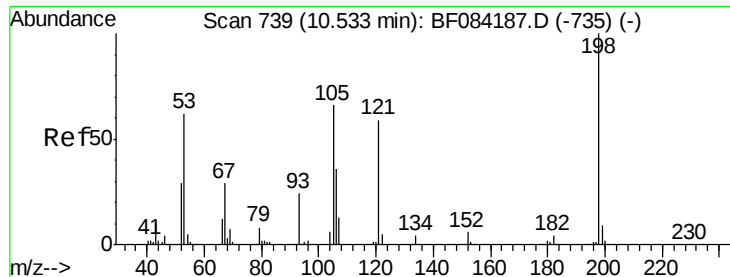
Tot Ion:204 Resp: 213
Ion Ratio Lower Upper
204 100
206 0.0 25.7 38.5#
141 325.8 55.1 82.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:188 Resp: 896506
Ion Ratio Lower Upper
188 100
94 9.2 9.0 13.4
80 9.8 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 6.47 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.10 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

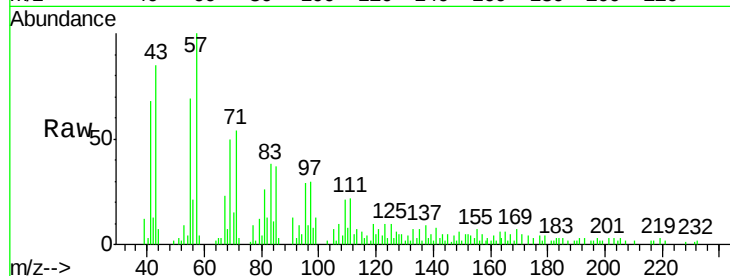
Tot Ion:198 Resp: 327

Ion Ratio Lower Upper

198 100

51 167.2 18.9 58.9#

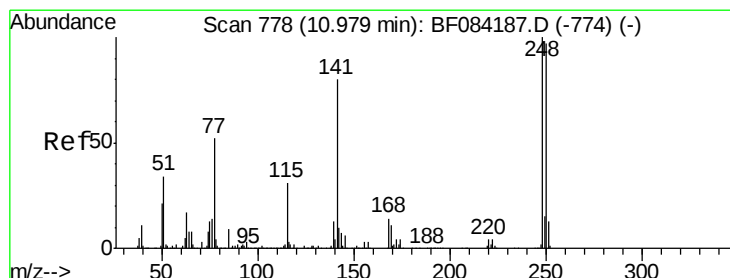
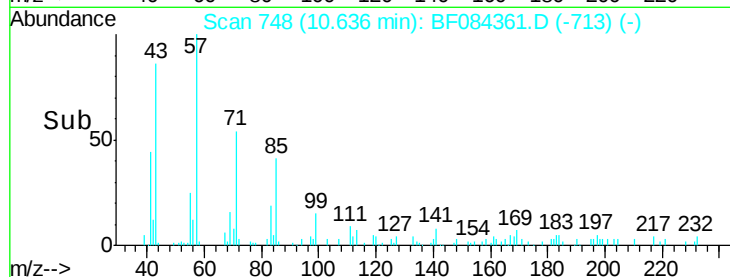
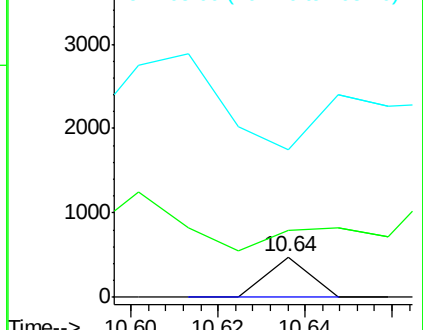
105 368.5 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.27 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

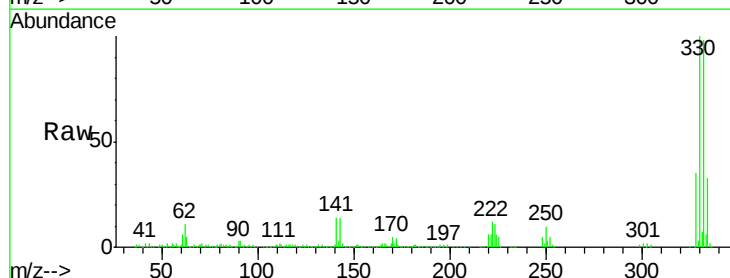
Tgt Ion:248 Resp: 41190

Ion Ratio Lower Upper

248 100

250 195.6 78.4 117.6#

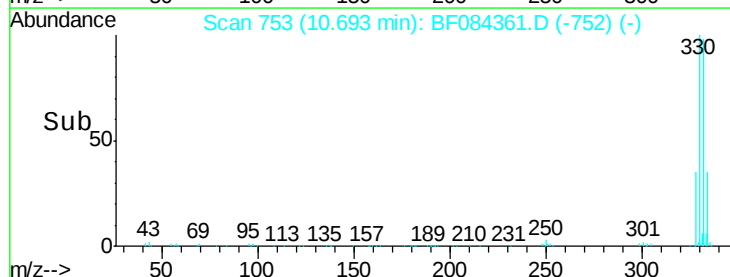
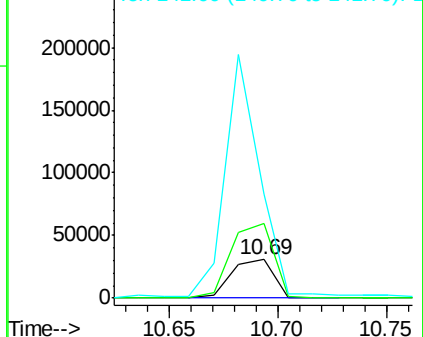
141 272.2 44.0 66.0#

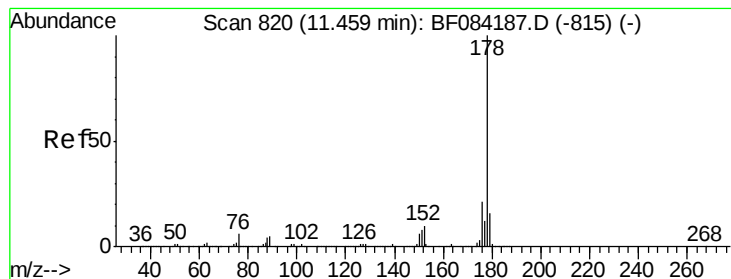


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.10 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

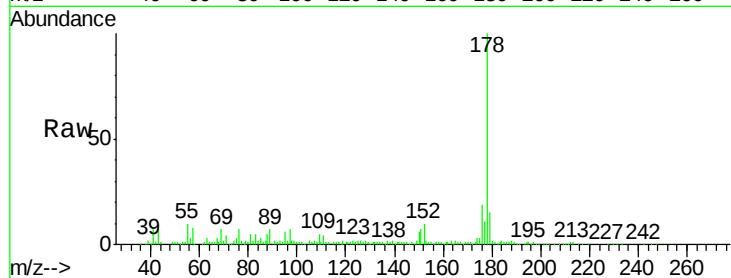
Tot Ion:178 Resp: 98669

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

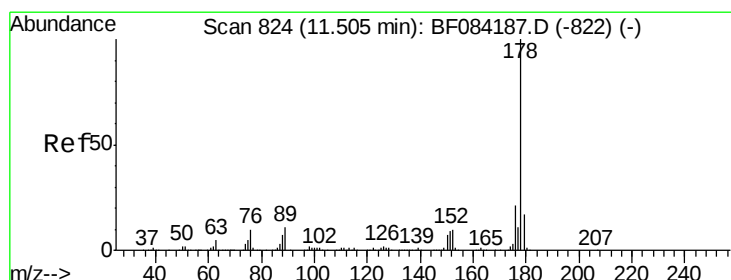
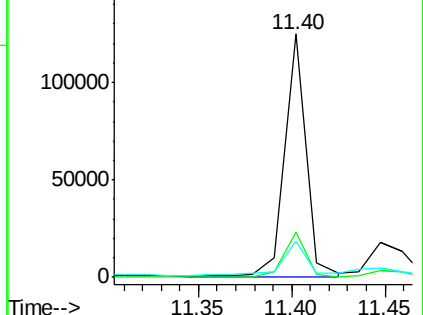
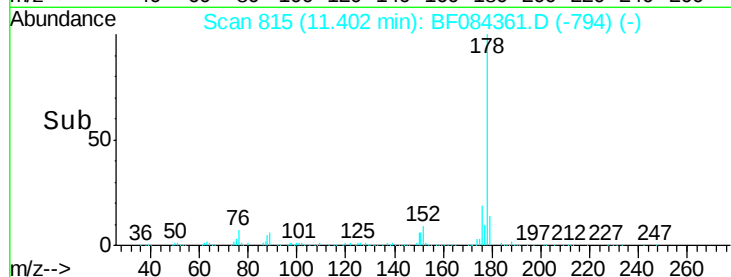
179 14.9 12.0 18.0



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: 2.15 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.10 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

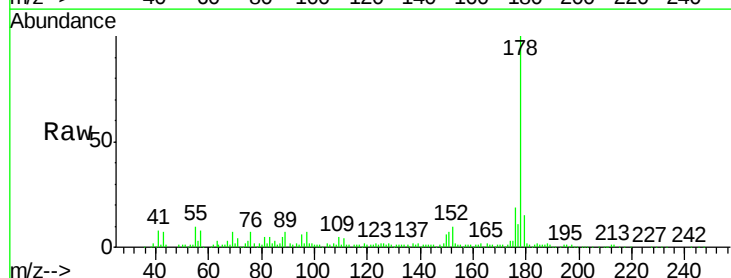
Tgt Ion:178 Resp: 98669

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

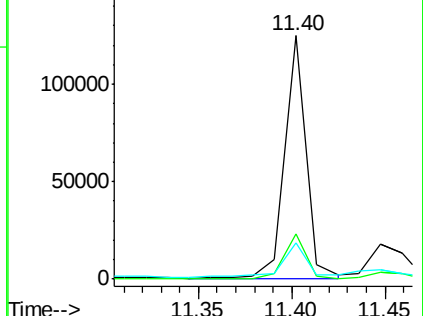
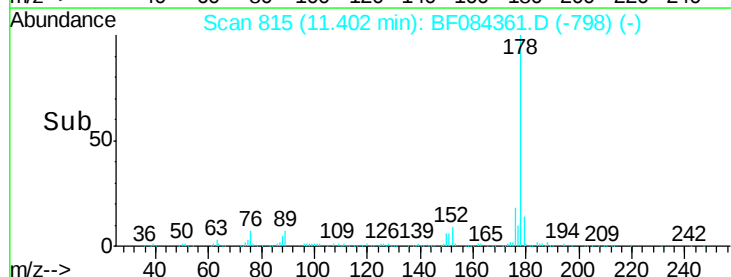
179 14.9 12.5 18.7

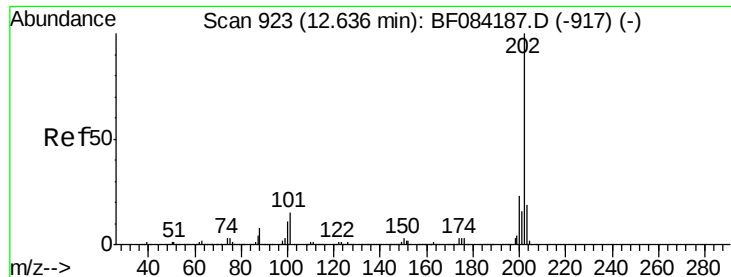


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

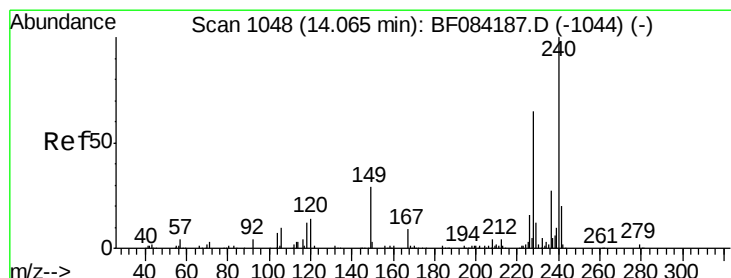
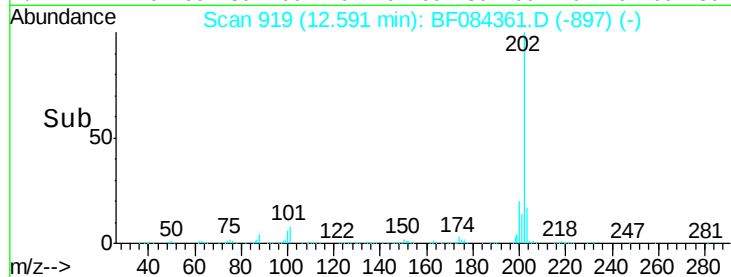
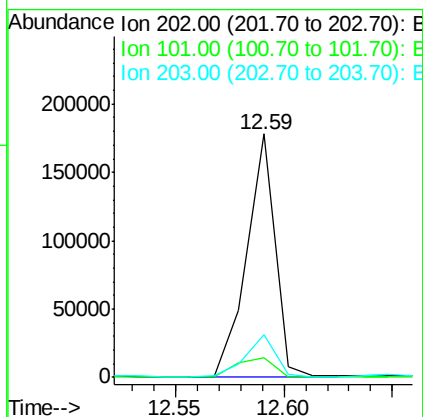
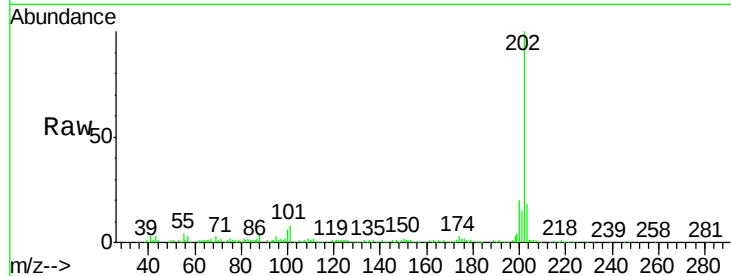




#74
Fluoranthene
Concen: 3.27 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.05 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

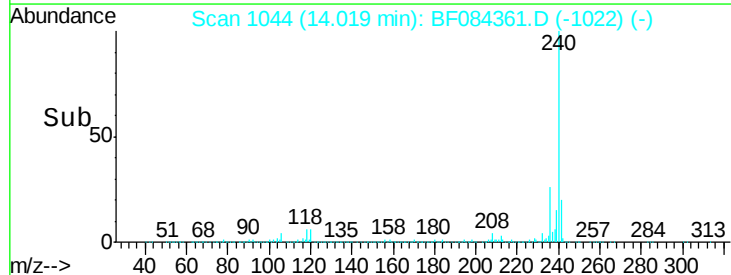
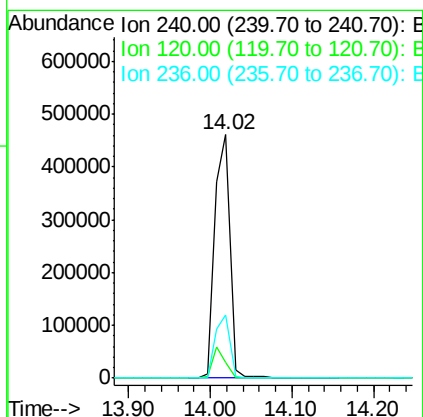
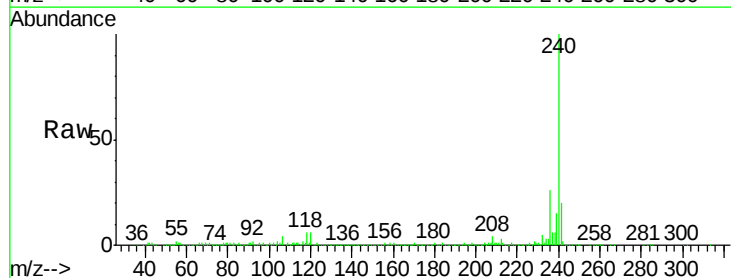
Instrument :
BNA_F
ClientSampled :

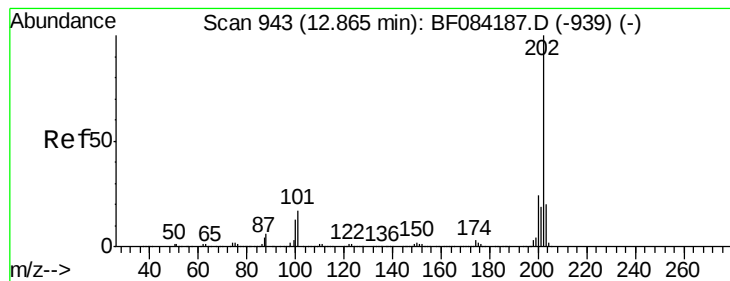
Tot Ion:202 Resp: 160394
Ion Ratio Lower Upper
202 100
101 8.2 0.0 32.8
203 17.5 0.0 37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.05 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:240 Resp: 597647
Ion Ratio Lower Upper
240 100
120 6.4 9.5 14.3#
236 26.1 20.6 31.0





#77

Pvrene

Concen: 3.07 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

Instrument :

BNA_F

ClientSampleId :

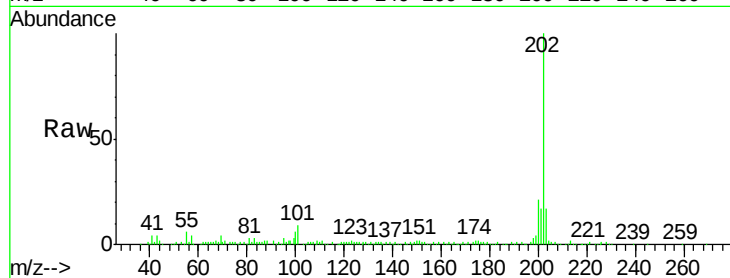
Tot Ion:202 Resp: 144019

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

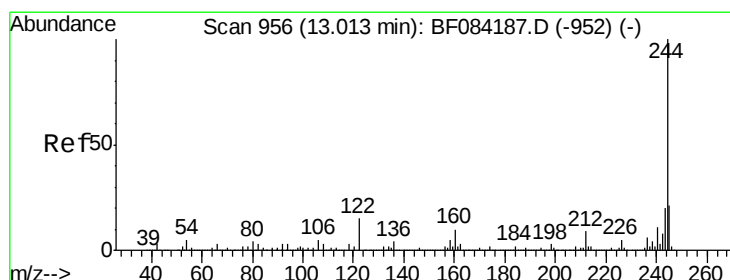
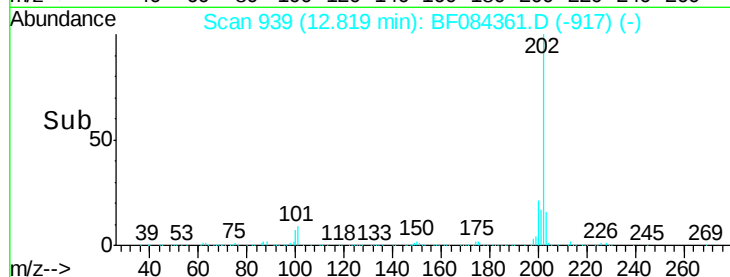
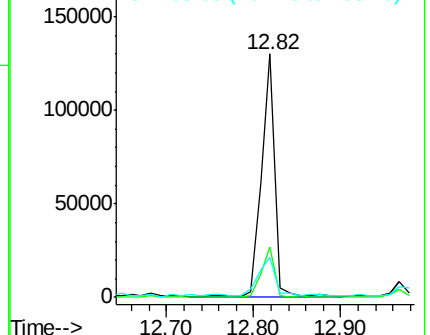
203 16.6 14.3 21.5



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: 71.17 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084361.D

Acq: 10 Jan 2016 13:31

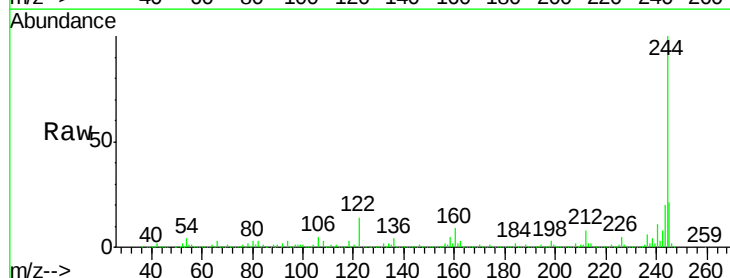
Tgt Ion:244 Resp: 1905474

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

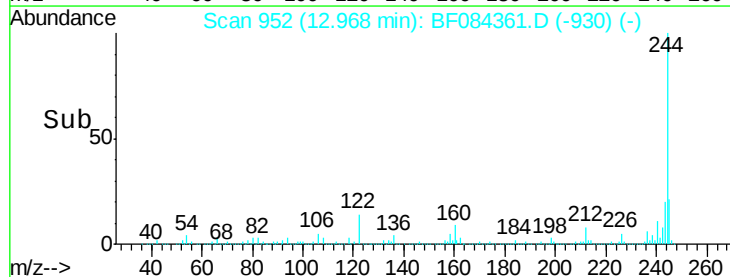
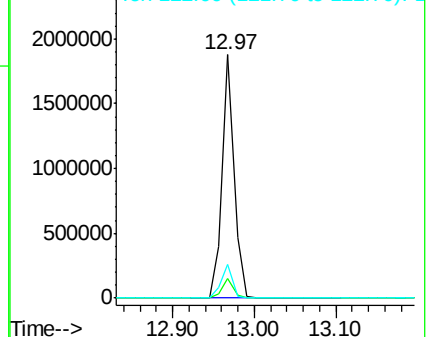
122 13.6 7.4 11.0#

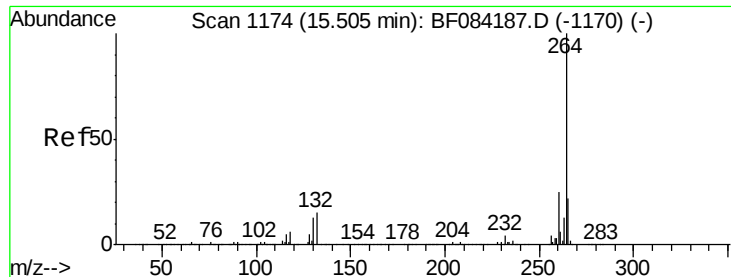


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



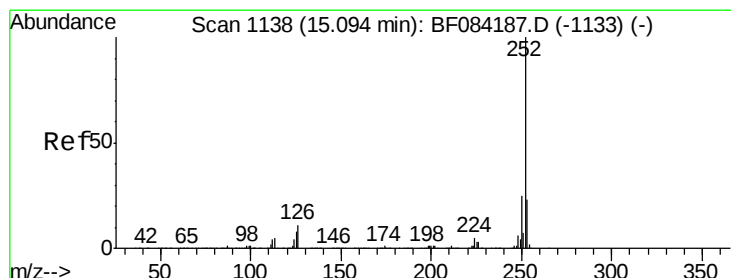
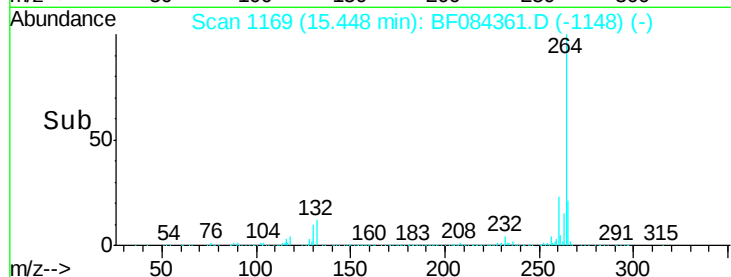
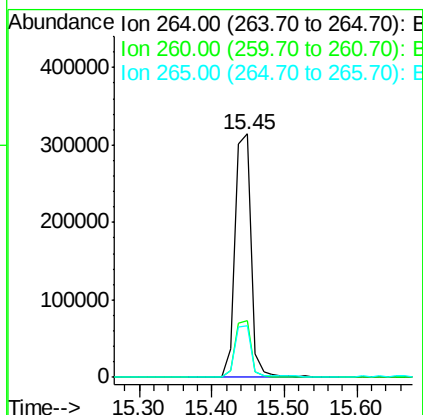
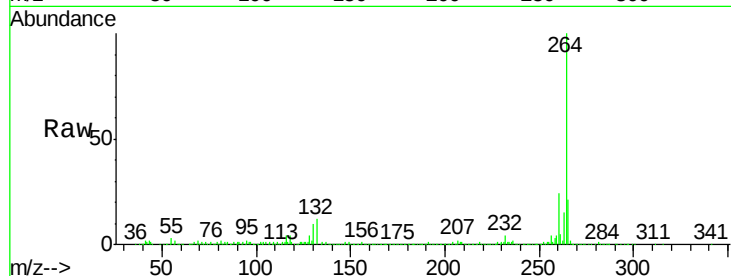


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 484098

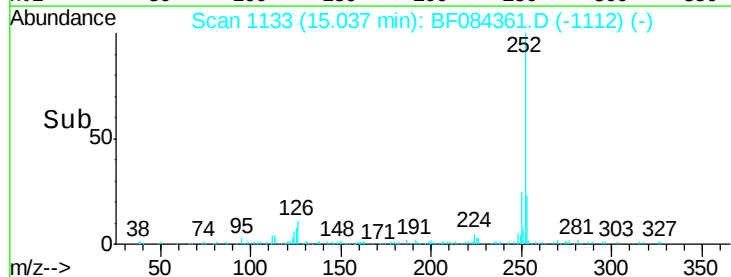
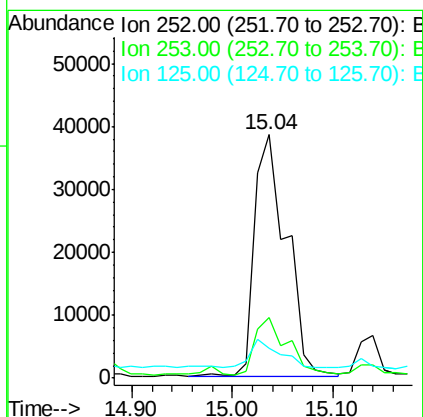
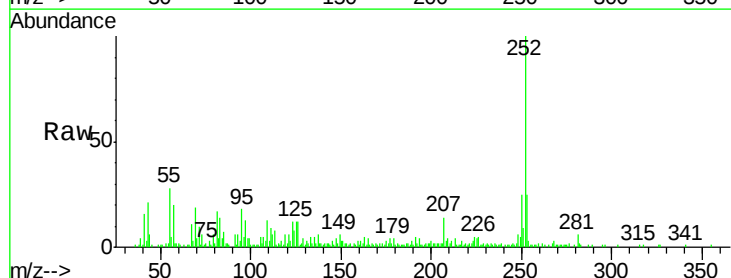
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.4	17.8	26.6

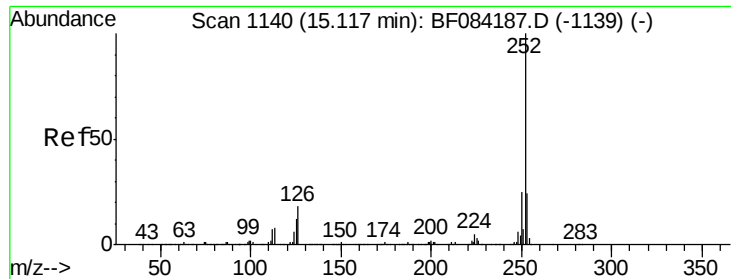


#87
Benzo(b)fluoranthene
Concen: 2.67 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.06 min
Lab File: BF084361.D
Acq: 10 Jan 2016 13:31

Tgt Ion:252 Resp: 84452

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	12.3	6.5	9.7#

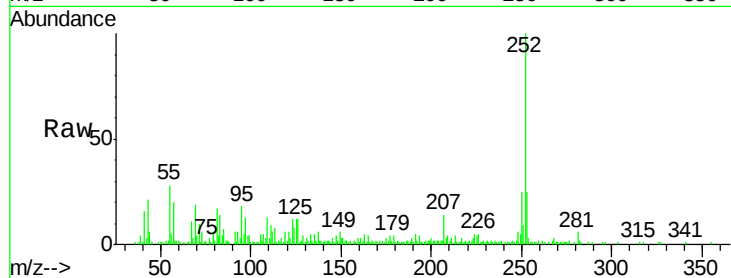




#88
 Benzo(k)fluoranthene
 Concen: 3.26 ng
 RT: 15.04 min Scan# 1133
 Delta R.T. -0.08 min
 Lab File: BF084361.D
 Acq: 10 Jan 2016 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	12.3	9.0	13.6



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

