

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091646.D
 Acq On : 15 Dec 2016 23:27
 Operator : UM/SJ
 Sample : H6007-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-10-15

Quant Time: Dec 16 00:16:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

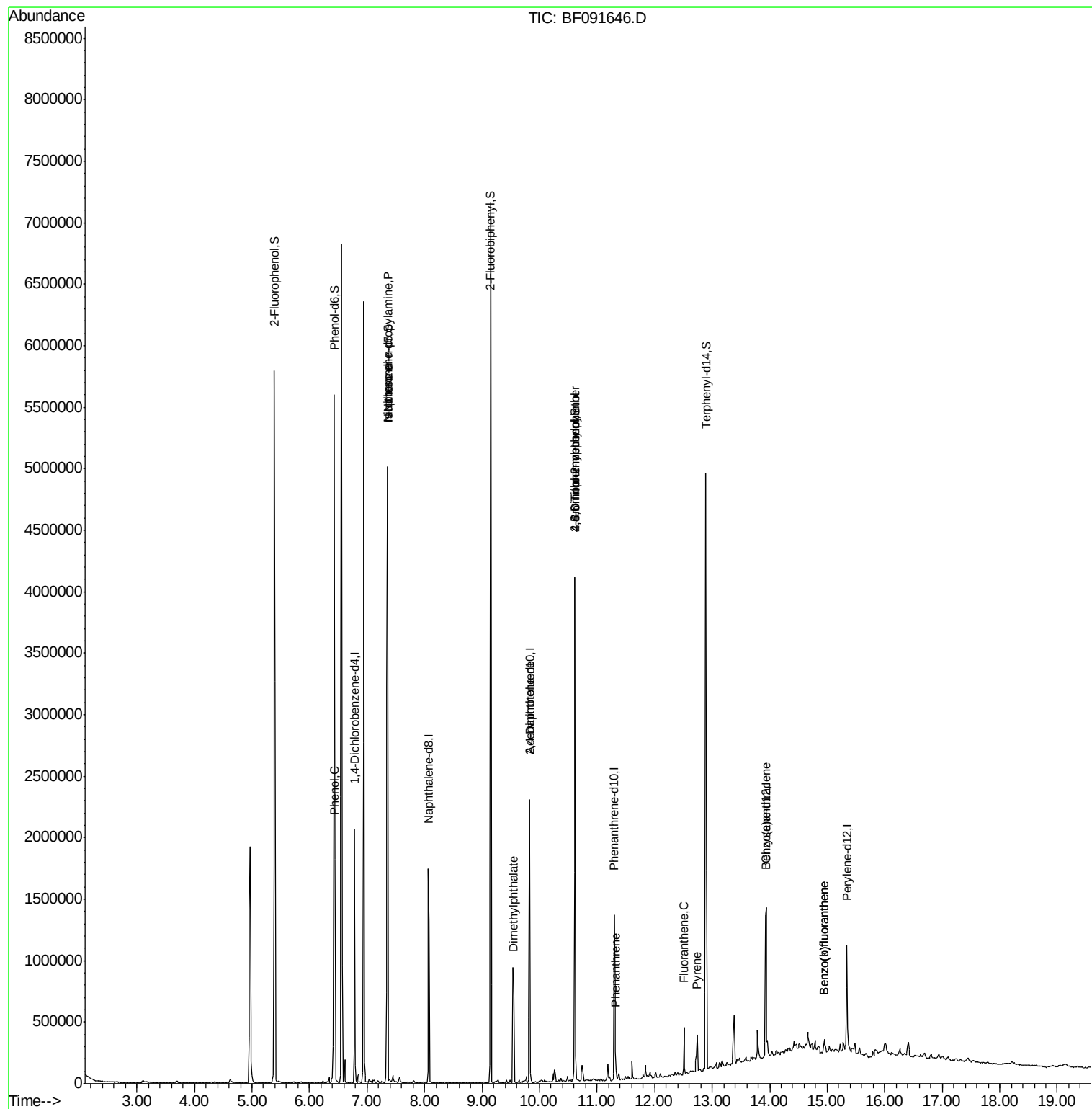
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	284705	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1091576	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	474682	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	598571	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	582785	20.00	ng	-0.02
86) Perylene-d12	15.35	264	416130	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	2175595	128.74	ng	-0.02
7) Phenol-d6	6.43	99	2374569	112.71	ng	-0.02
23) Nitrobenzene-d5	7.36	82	2174674	111.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	471300	119.54	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2154625	78.43	ng	-0.03
78) Terphenyl-d14	12.89	244	1616313	62.93	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.44	94	118367	4.81	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	297290	22.57	ng	# 59
20) 3+4-Methylphenols	6.94	107	637	Below Cal	#	1
25) Isophorone	7.36	82	1990391	57.25	ng	# 67
49) Dimethylphthalate	9.55	163	535063	17.80	ng	99
56) 2,4-Dinitrotoluene	9.82	165	62379	7.54	ng	# 33
57) Fluorene	10.37	166	5720	Below Cal		91
64) 4,6-Dinitro-2-methylphenol	10.61	198	1210	3.26	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	32674	5.32	ng	# 1
70) Phenanthrene	11.32	178	84268	2.84	ng	98
74) Fluoranthene	12.51	202	137617	4.43	ng	97
77) Pyrene	12.74	202	127848	2.77	ng	98
80) Benzo(a)anthracene	13.93	228	68532	2.02	ng	98
87) Benzo(b)fluoranthene	14.95	252	71366	2.88	ng	# 96
88) Benzo(k)fluoranthene	14.95	252	71366	3.27	ng	# 96

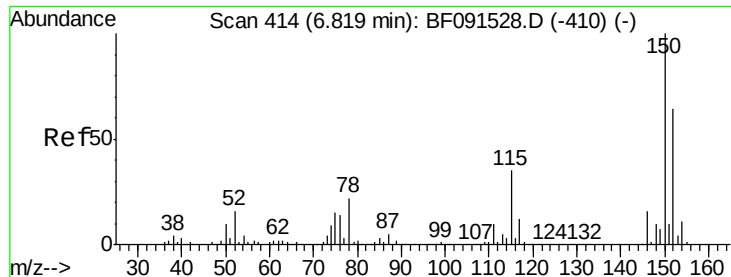
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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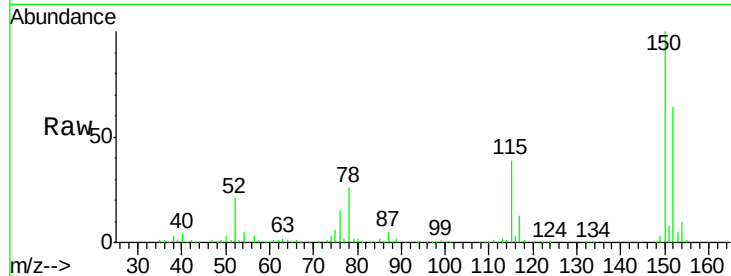


#1

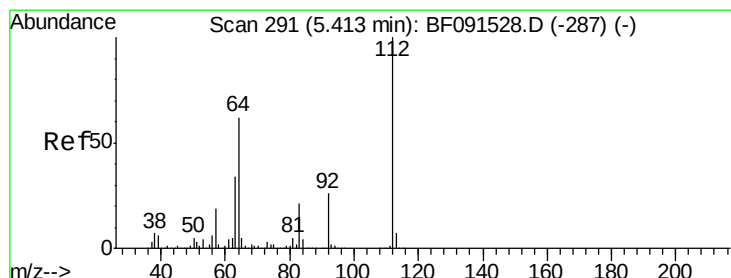
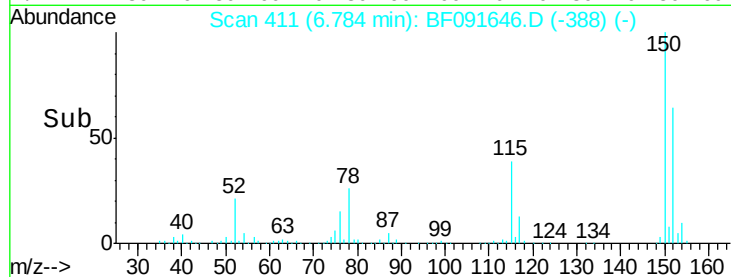
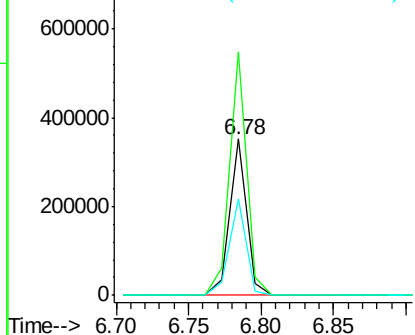
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.03 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

Instrument :
BNA_F
ClientSampleId :
WC-12-10-15

Tgt Ion:152 Resp: 284705
Ion Ratio Lower Upper
152 100
150 155.9 122.5 183.7
115 61.5 51.8 77.8



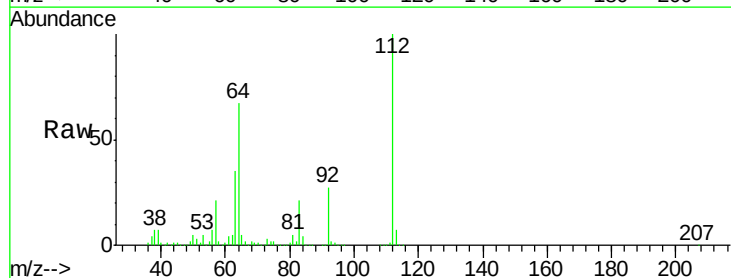
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



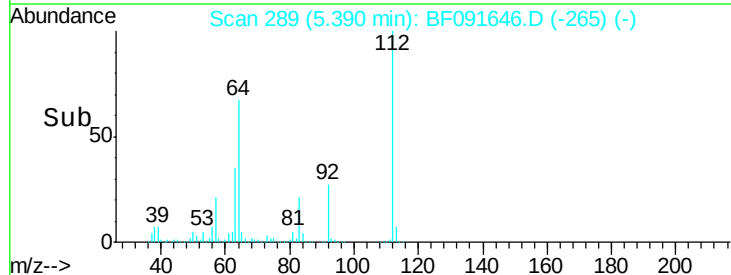
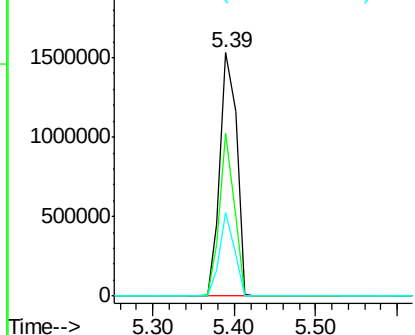
#5

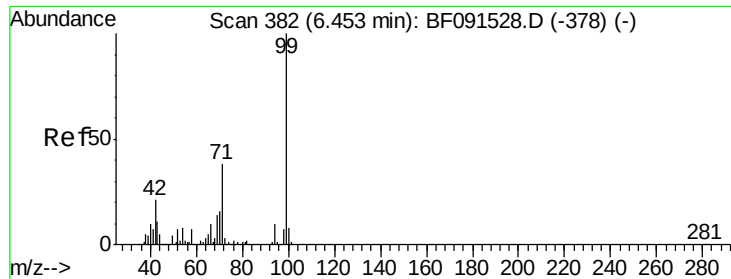
2-Fluorophenol
Concen: 128.74 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.02 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

Tgt Ion:112 Resp: 2175595
Ion Ratio Lower Upper
112 100
64 66.9 61.5 92.3
63 34.6 33.3 49.9



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: 112.71 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

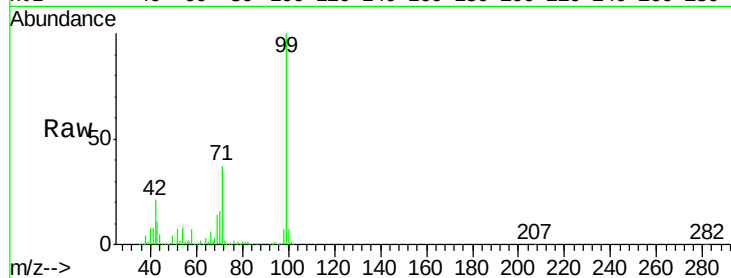
Tgt Ion: 99 Resp: 2374569

Ion Ratio Lower Upper

99 100

42 21.5 20.6 31.0

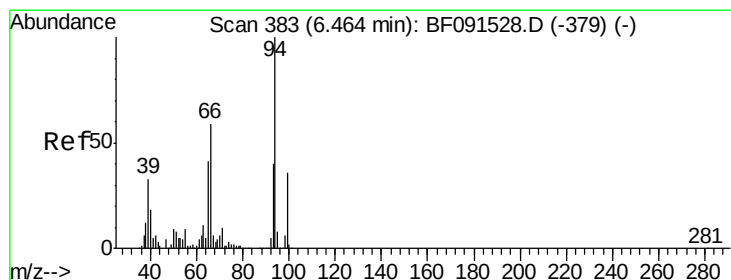
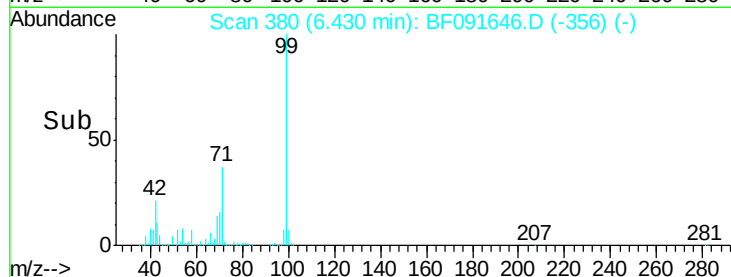
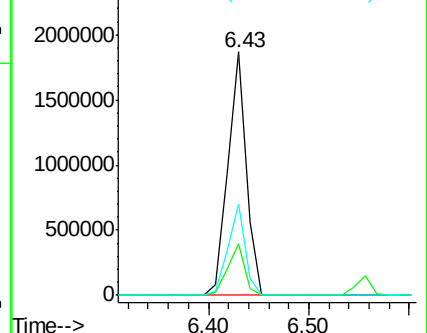
71 37.3 29.9 44.9



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



#10

Phenol

Concen: 4.81 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

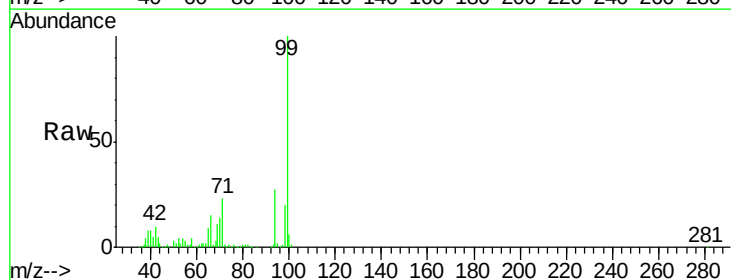
Tgt Ion: 94 Resp: 118367

Ion Ratio Lower Upper

94 100

65 34.0 16.9 56.9

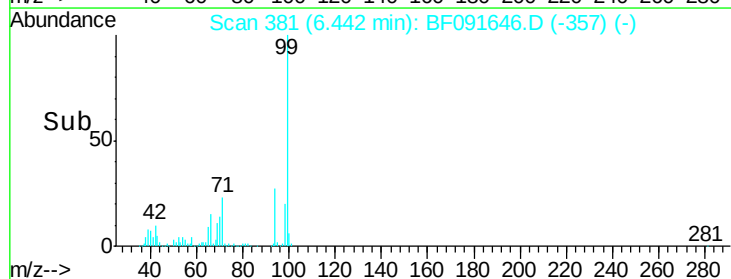
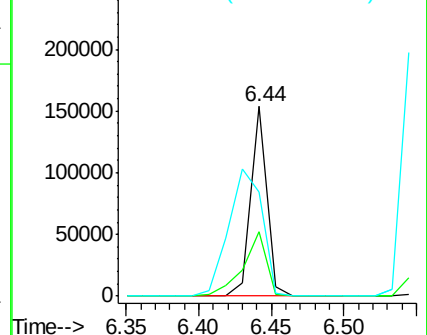
66 55.2 30.6 70.6

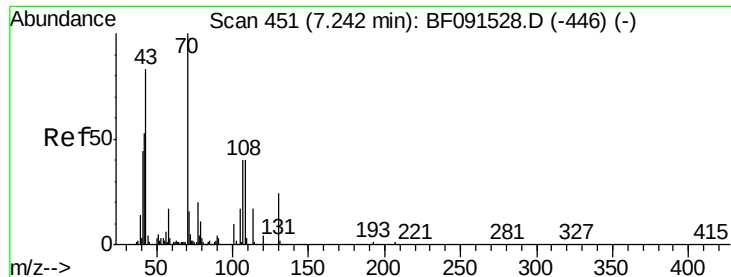


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

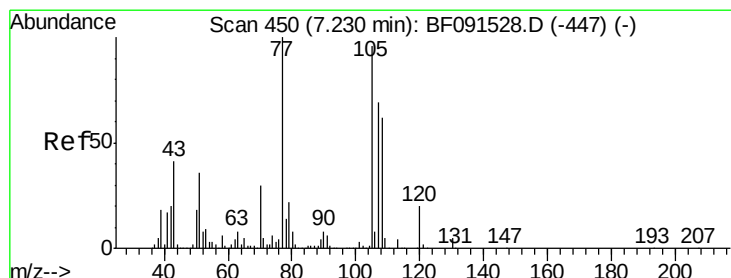
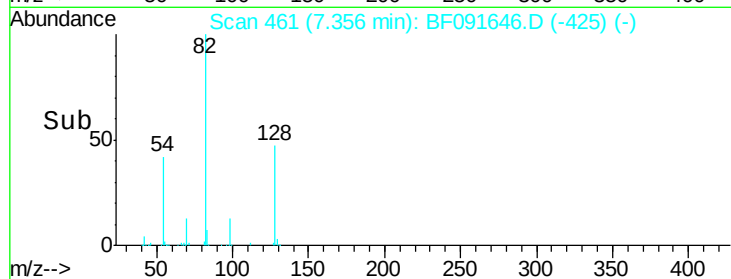
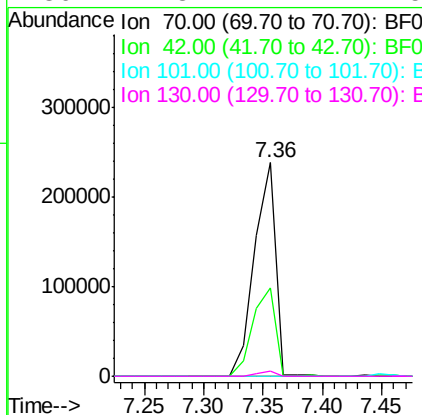
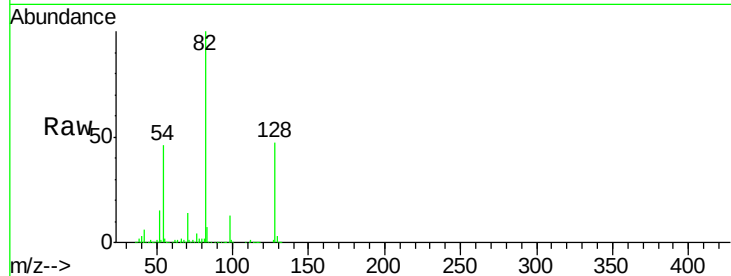




#19
n-Nitroso-di-n-propylamine
Concen: 22.57 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.11 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

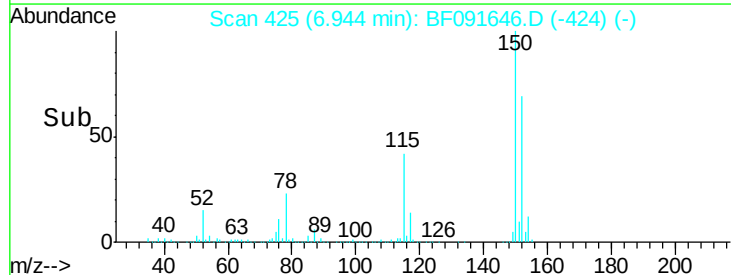
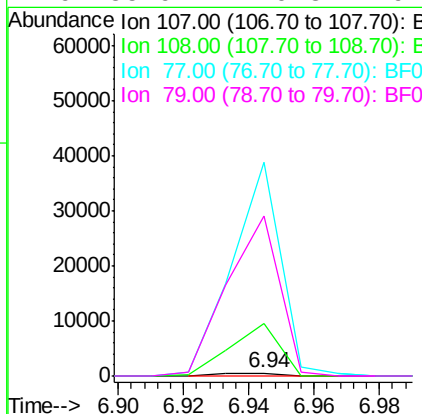
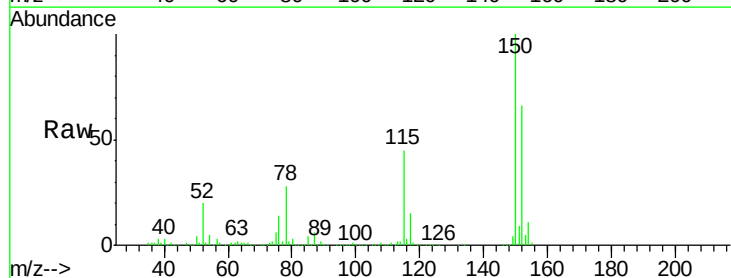
Instrument :
BNA_F
ClientSampleId :
WC-12-10-15

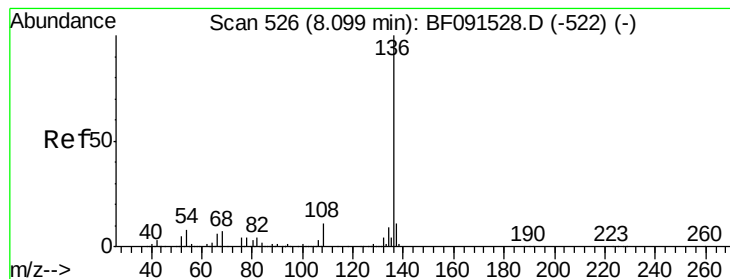
Tgt Ion: 70 Resp: 297290
Ion Ratio Lower Upper
70 100
42 41.5 64.8 97.2#
101 0.0 6.2 9.4#
130 2.3 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.94 min Scan# 425
Delta R.T. -0.29 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

Tgt Ion:107 Resp: 637
Ion Ratio Lower Upper
107 100
108 1829.8 64.6 104.6#
77 7376.4 30.9 70.9#
79 5519.4 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

Tgt Ion:136 Resp: 1091576

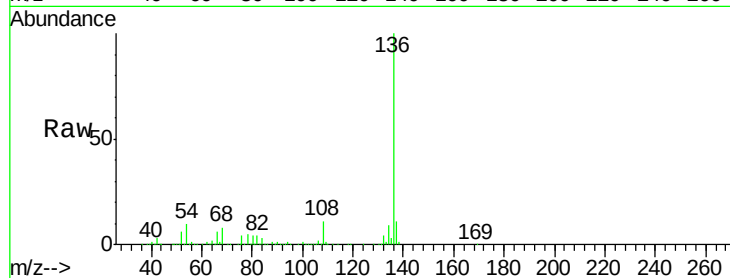
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 10.4 9.1 13.7

68 7.9 5.9 8.9

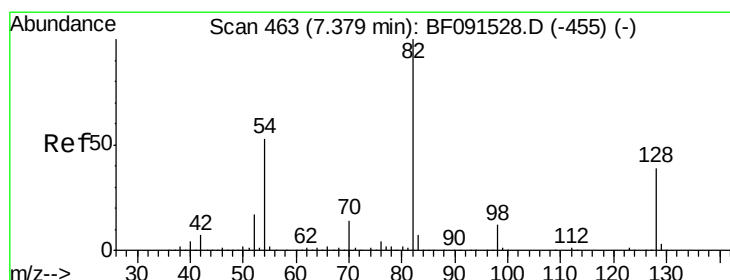
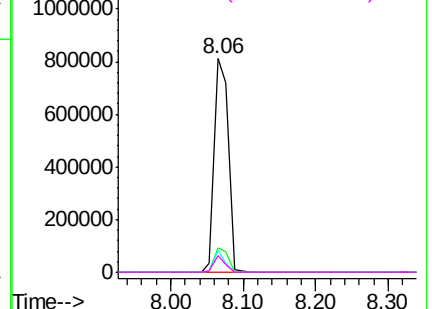
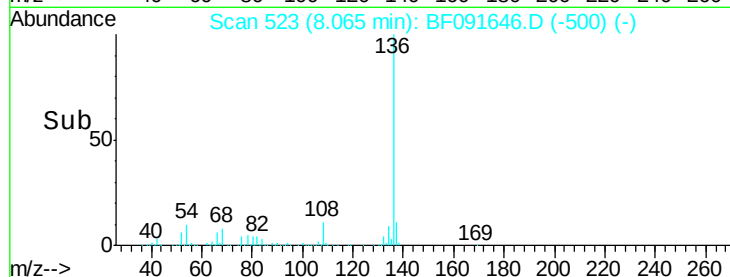


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.19 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

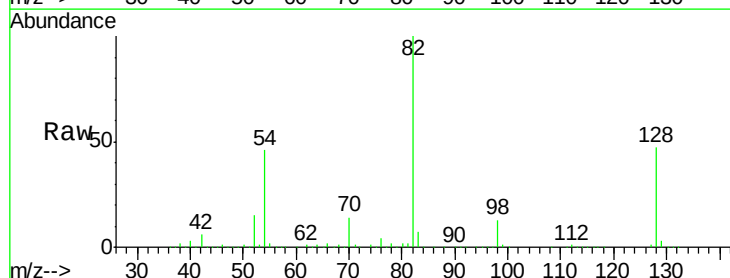
Tgt Ion: 82 Resp: 2174674

Ion Ratio Lower Upper

82 100

128 46.6 31.8 47.6

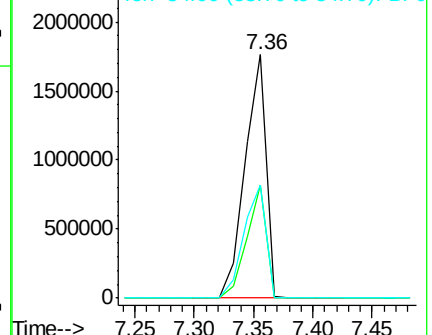
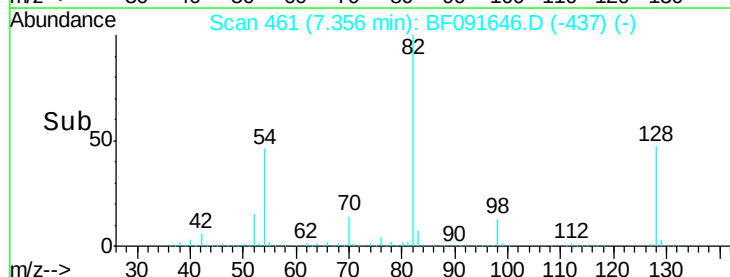
54 46.3 49.1 73.7#

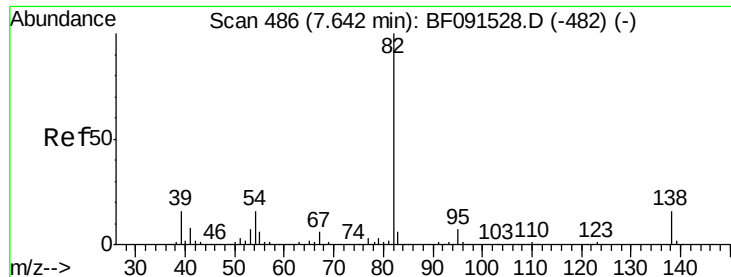


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 57.25 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.29 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

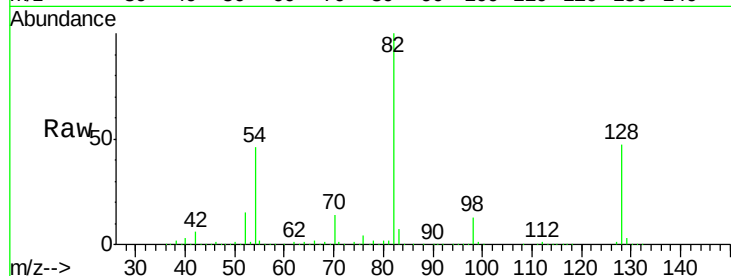
Tgt Ion: 82 Resp: 1990391

Ion Ratio Lower Upper

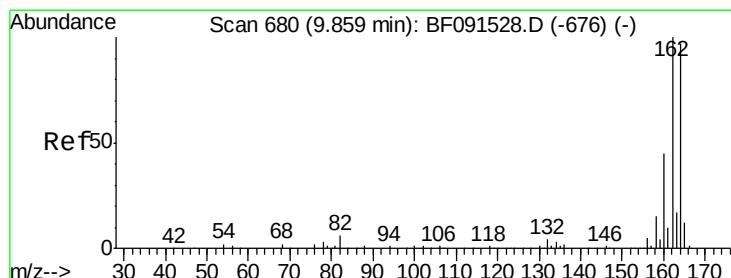
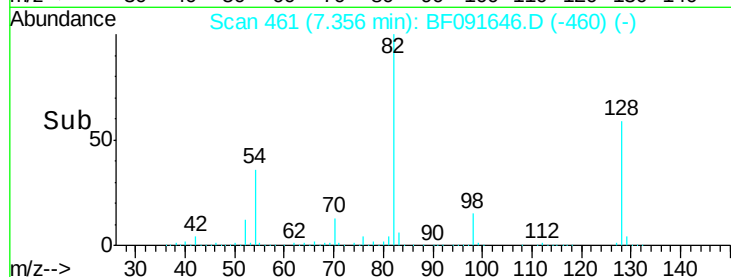
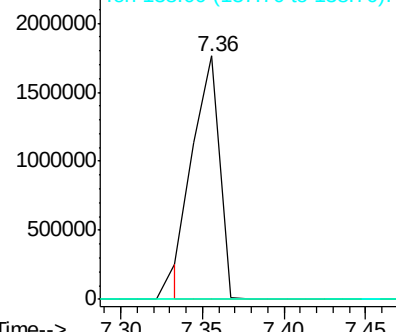
82 100

95 0.0 5.7 8.5#

138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

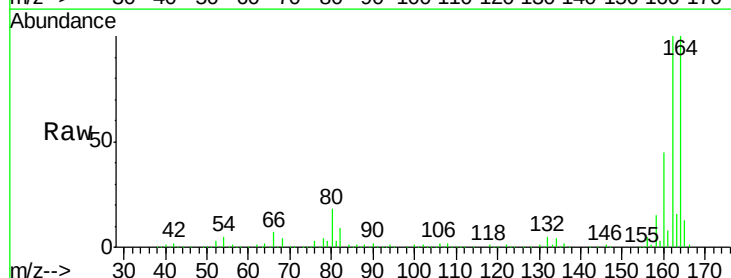
Tgt Ion:164 Resp: 474682

Ion Ratio Lower Upper

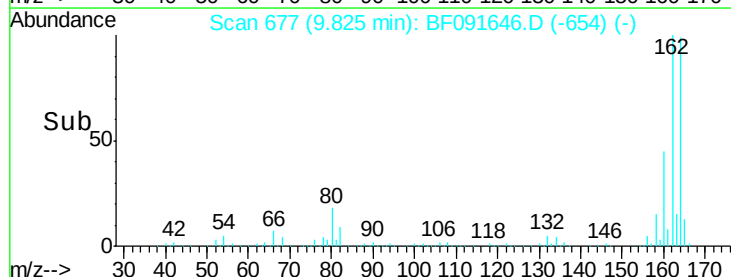
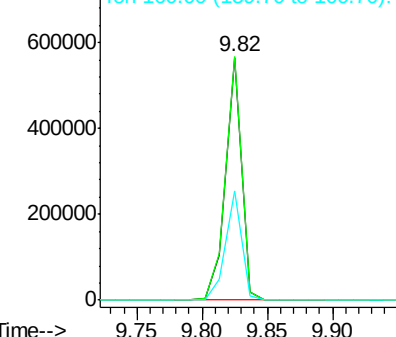
164 100

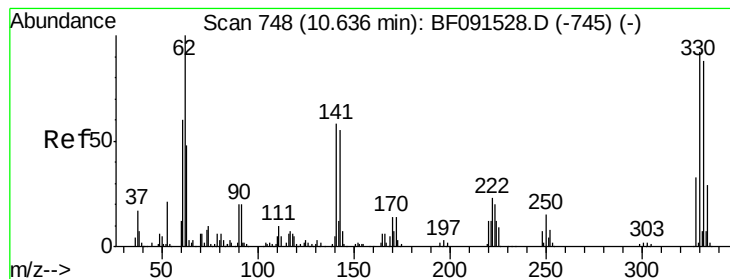
162 100.5 82.6 124.0

160 45.0 36.7 55.1



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: 119.54 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

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ClientSampleId :

WC-12-10-15

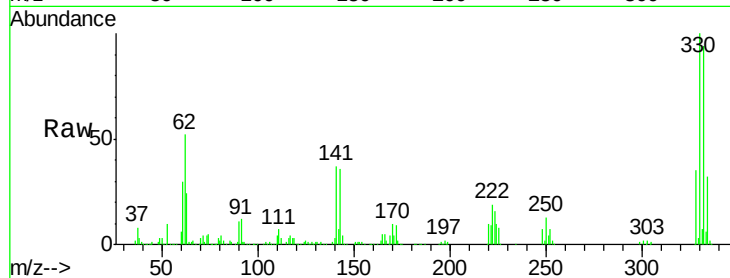
Tgt Ion:330 Resp: 471300

Ion Ratio Lower Upper

330 100

332 95.0 76.2 114.4

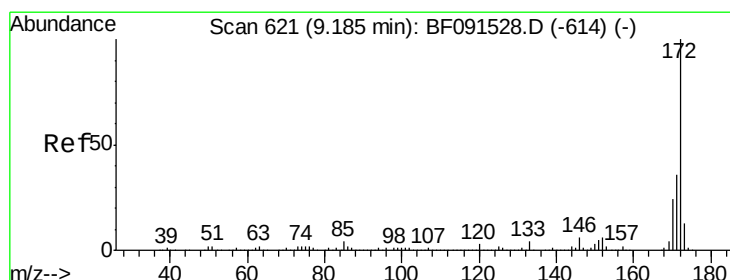
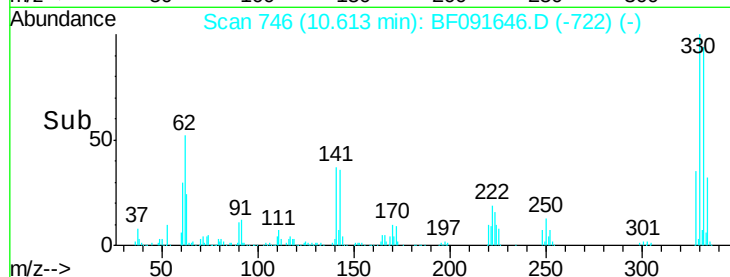
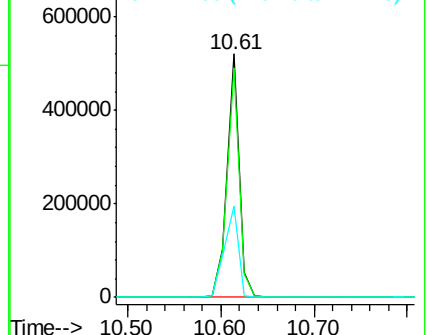
141 42.7 33.6 50.4



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: 78.43 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

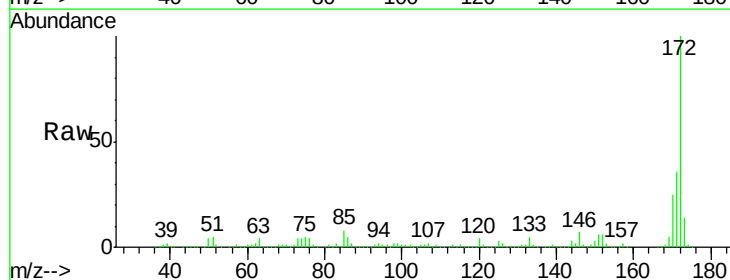
Tgt Ion:172 Resp: 2154625

Ion Ratio Lower Upper

172 100

171 36.3 29.4 44.0

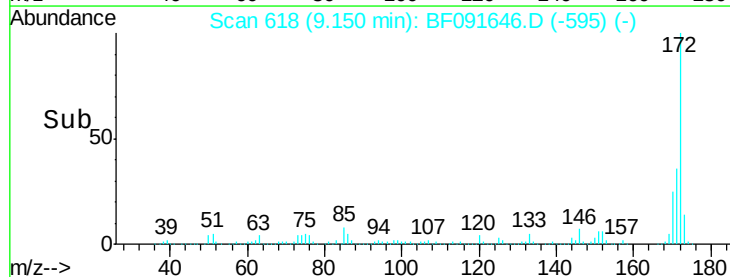
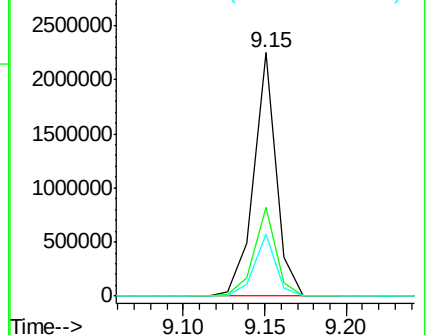
170 25.3 19.7 29.5

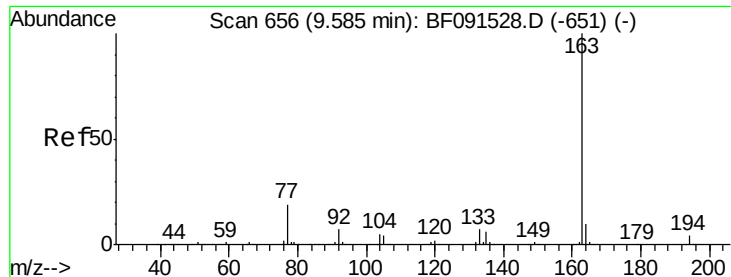


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 17.80 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

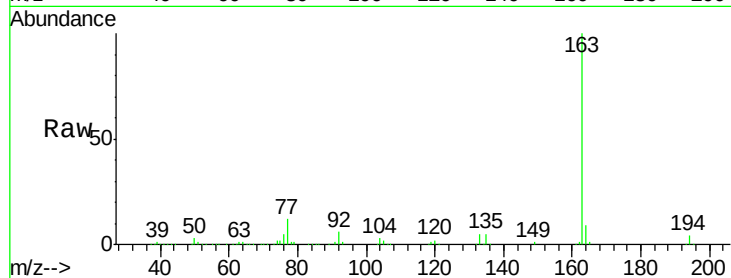
Tgt Ion:163 Resp: 535063

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

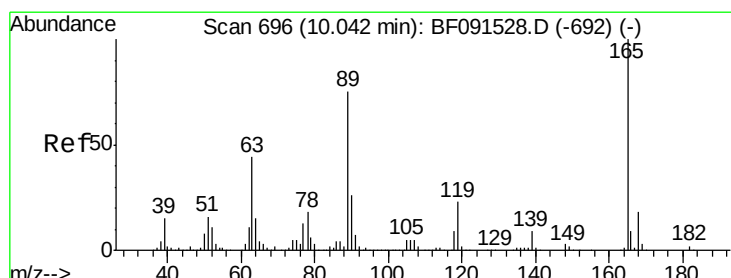
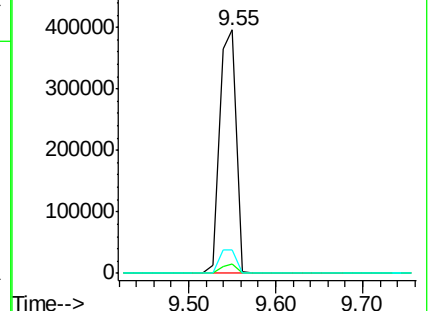
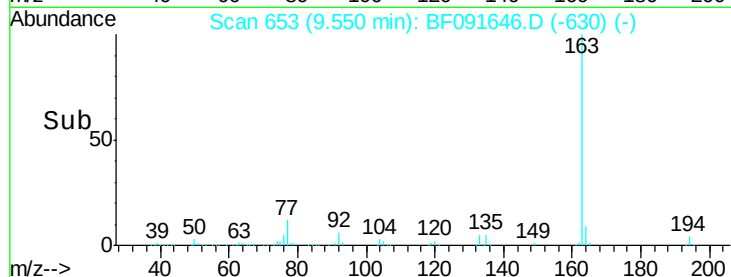
164 9.4 7.8 11.8



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



#56

2,4-Dinitrotoluene

Concen: 7.54 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.22 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Tgt Ion:165 Resp: 62379

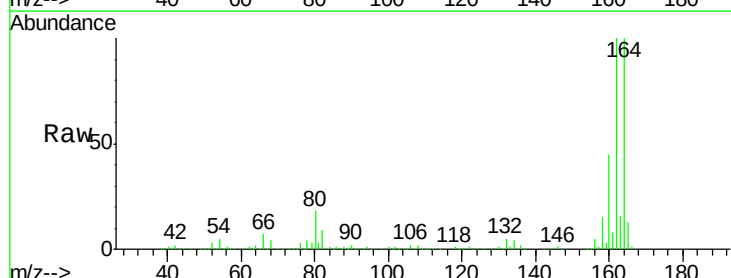
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 0.9 43.1 64.7#

182 0.0 1.9 2.9#

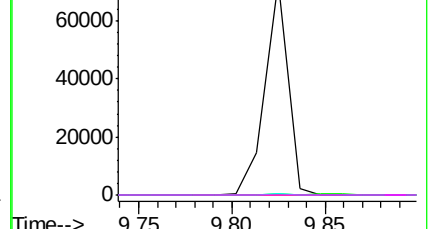
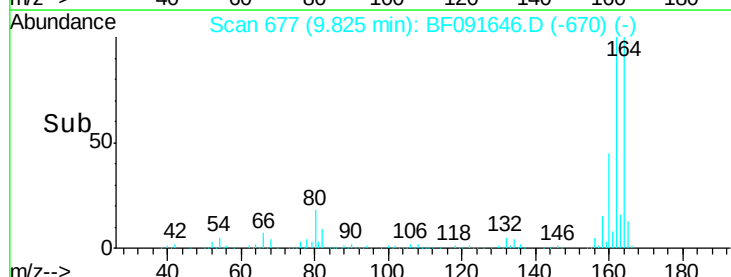


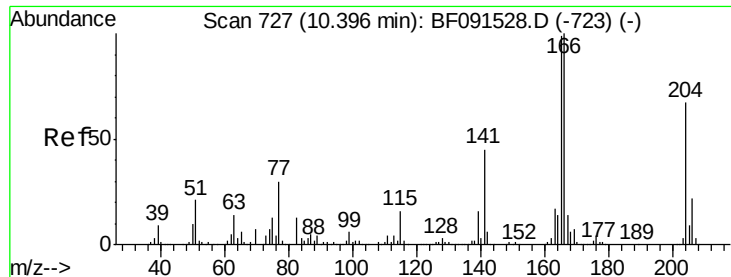
Abundance Ion 165.00 (164.70 to 165.70): E

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

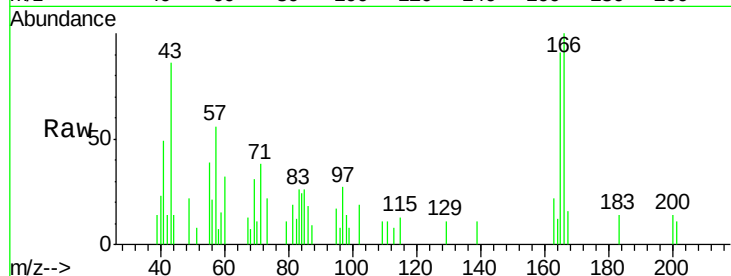




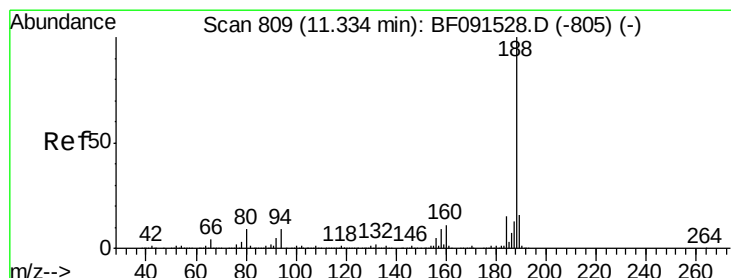
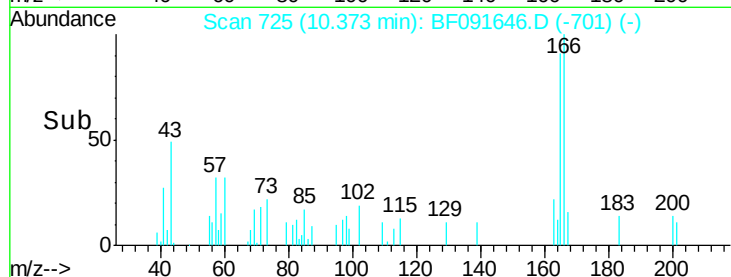
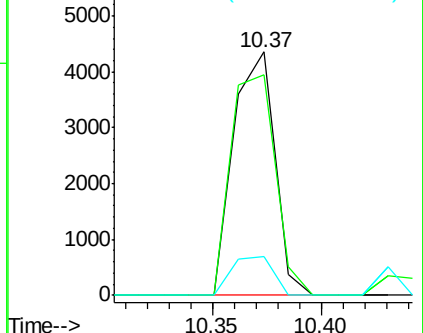
#57
Fluorene
 Concen: Below Cal
 RT: 10.37 min Scan# 725
 Delta R.T. -0.02 min
 Lab File: BF091646.D
 Acq: 15 Dec 2016 23:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-12-10-15

Tgt Ion:166 Resp: 5720
 Ion Ratio Lower Upper
 166 100
 165 90.7 80.0 120.0
 167 16.1 10.8 16.2

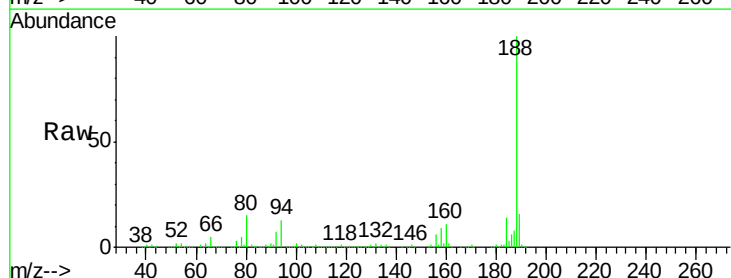


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

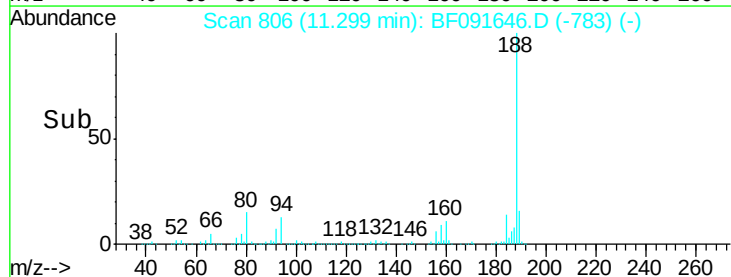
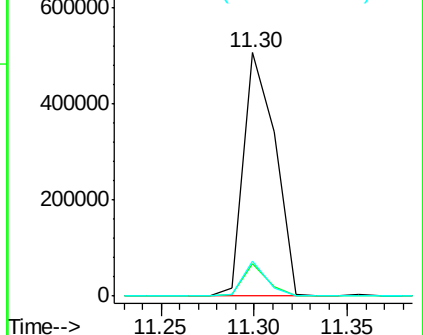


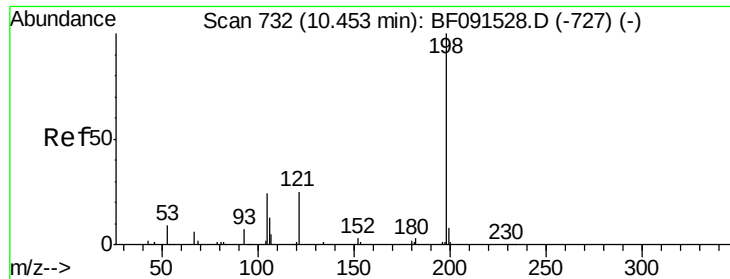
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF091646.D
 Acq: 15 Dec 2016 23:27

Tgt Ion:188 Resp: 598571
 Ion Ratio Lower Upper
 188 100
 94 13.1 9.2 13.8
 80 14.5 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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.26 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

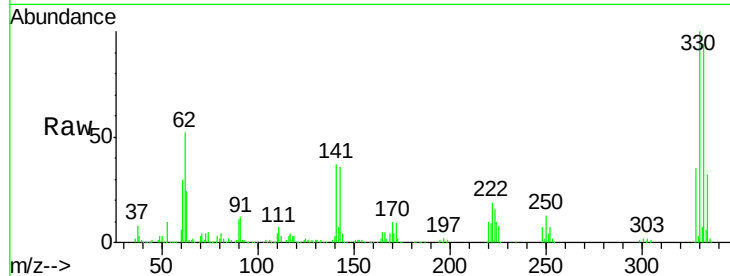
Tgt Ion:198 Resp: 1210

Ion Ratio Lower Upper

198 100

51 188.2 77.1 117.1#

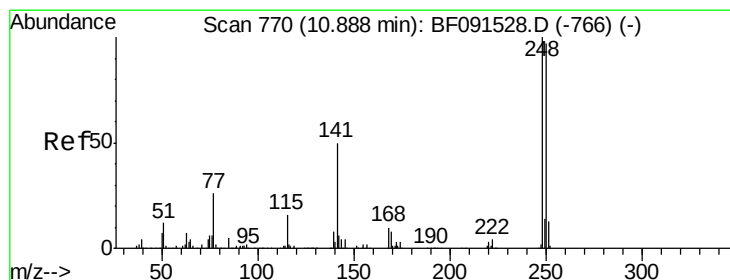
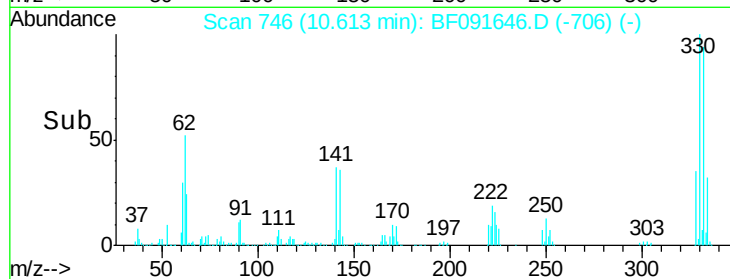
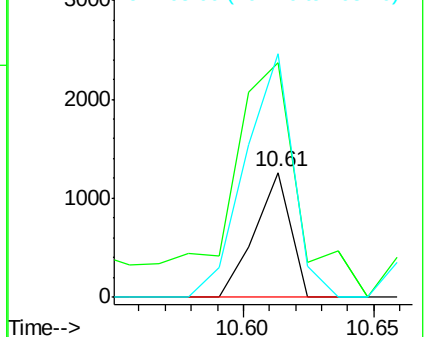
105 194.8 44.8 84.8#



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: 5.32 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

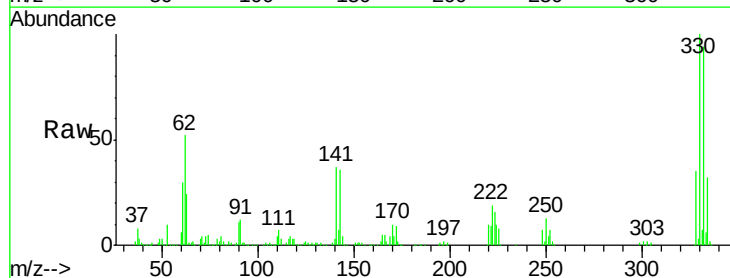
Tgt Ion:248 Resp: 32674

Ion Ratio Lower Upper

248 100

250 201.2 78.2 117.4#

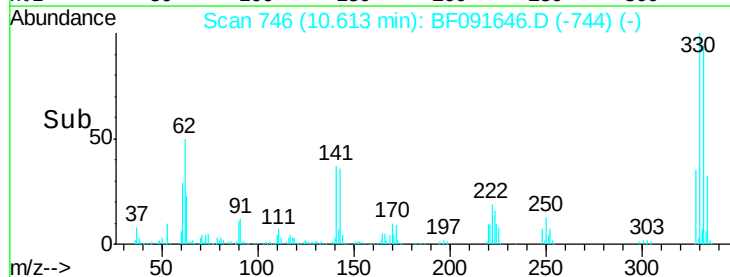
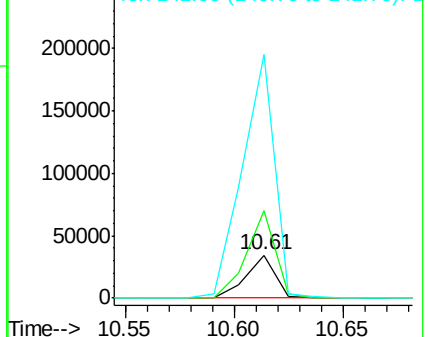
141 562.3 71.9 107.9#

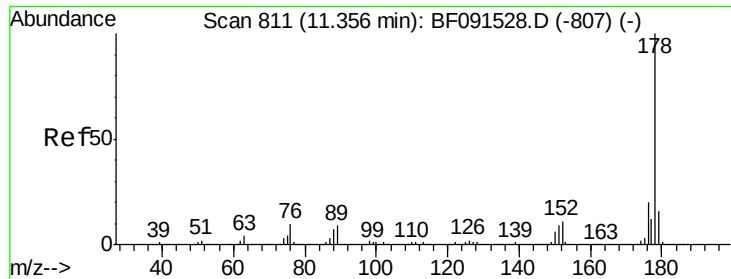


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.84 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

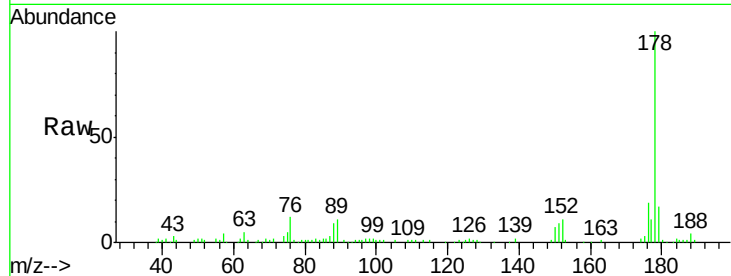
Tgt Ion:178 Resp: 84268

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

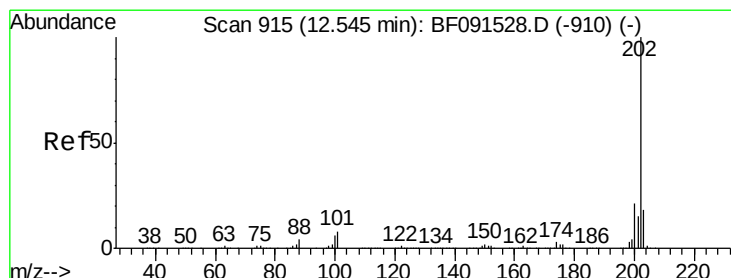
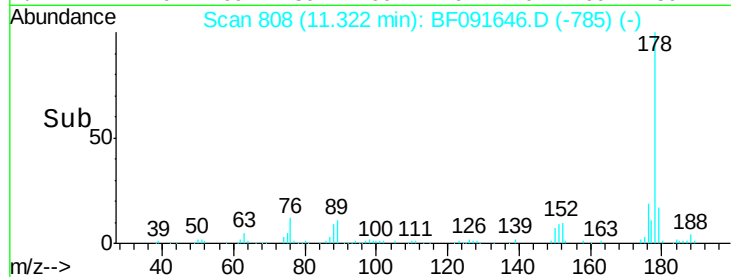
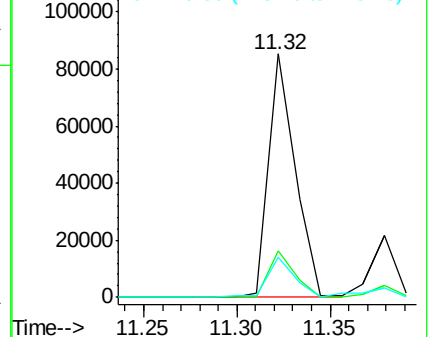
179 16.5 12.6 18.8



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: 4.43 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

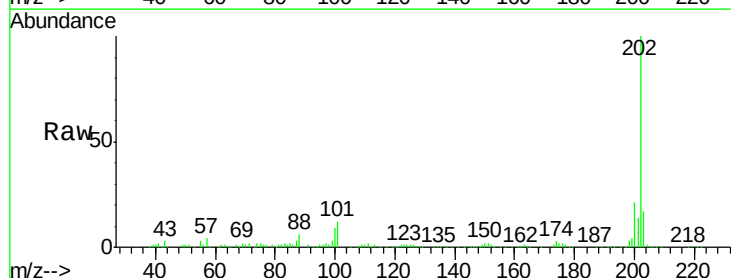
Tgt Ion:202 Resp: 137617

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.5

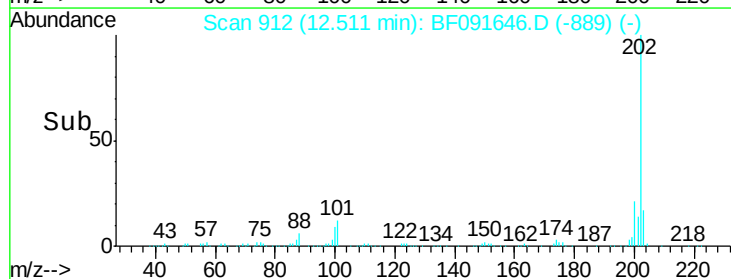
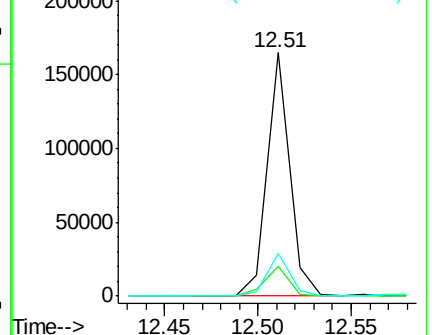
203 17.4 0.0 37.8

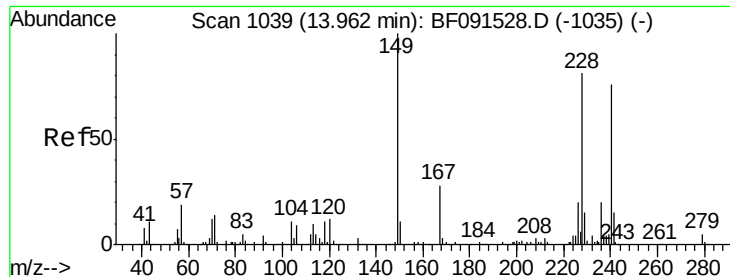


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

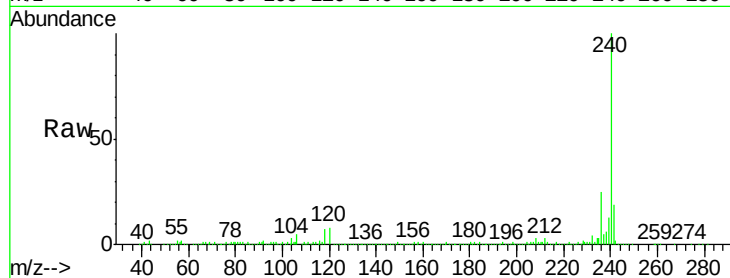
Tgt Ion:240 Resp: 582785

Ion Ratio Lower Upper

240 100

120 7.7 12.1 18.1#

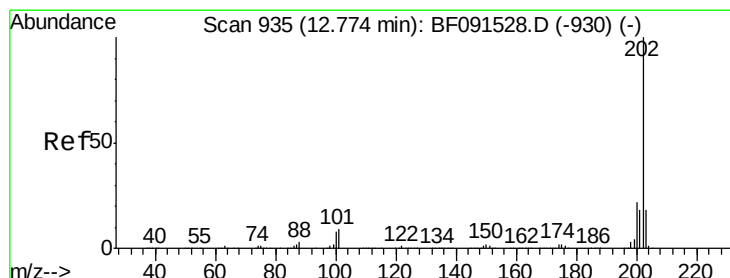
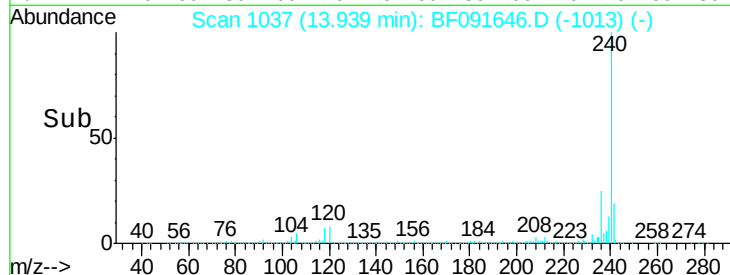
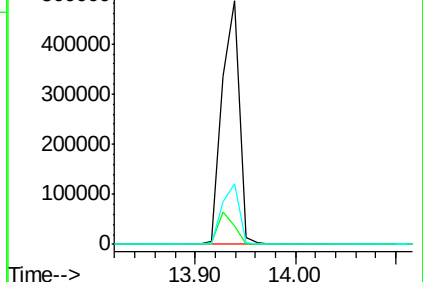
236 25.0 21.0 31.6



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: 2.77 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

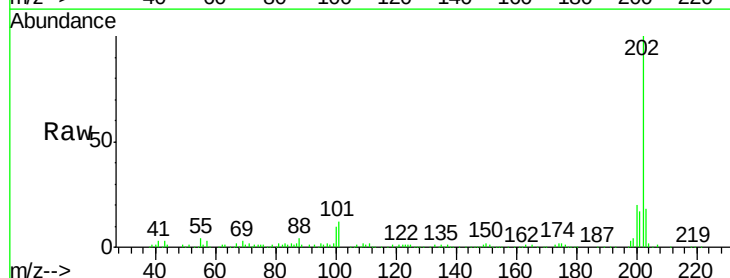
Tgt Ion:202 Resp: 127848

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

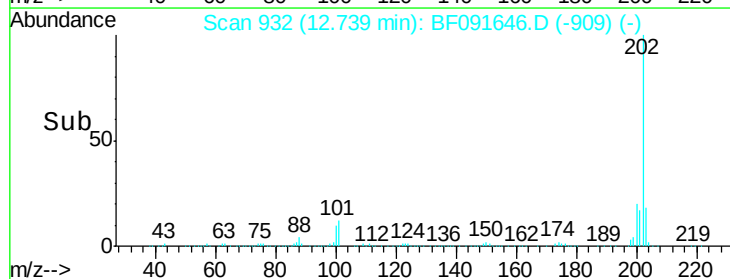
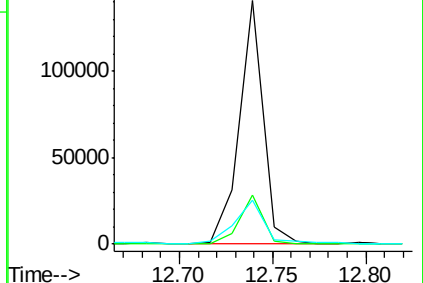
203 17.8 14.0 21.0

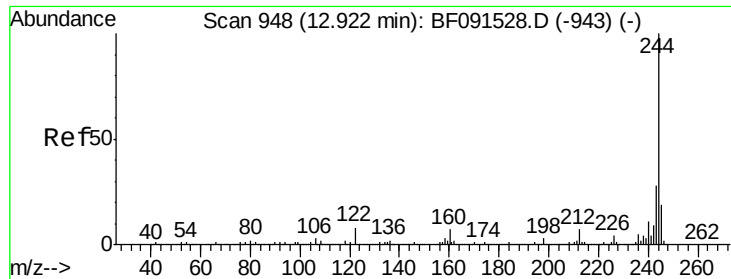


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.93 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

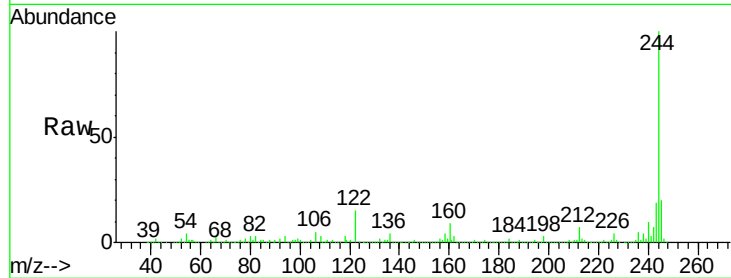
Tgt Ion:244 Resp: 1616313

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

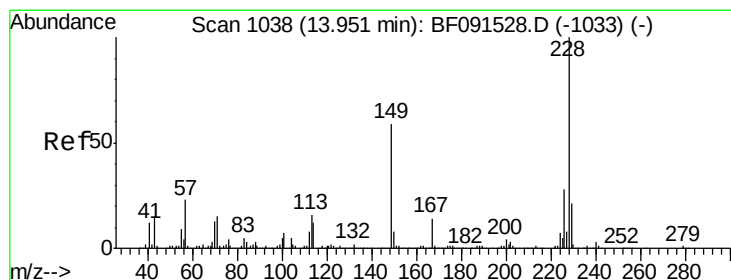
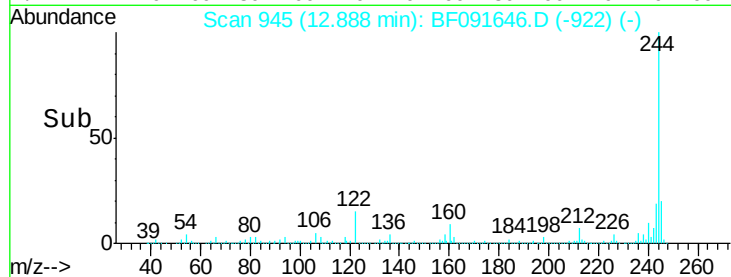
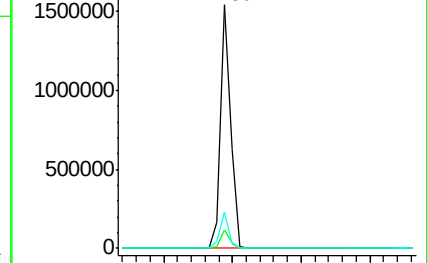
122 14.7 9.5 14.3#



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: 2.02 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

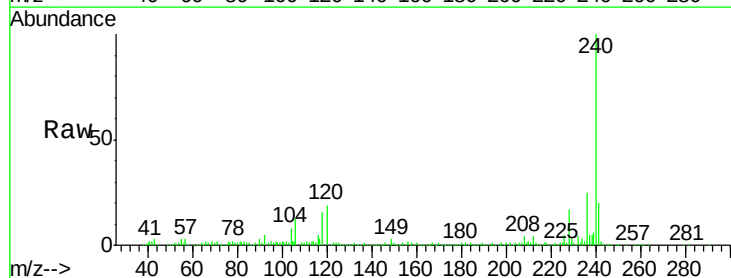
Tgt Ion:228 Resp: 68532

Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

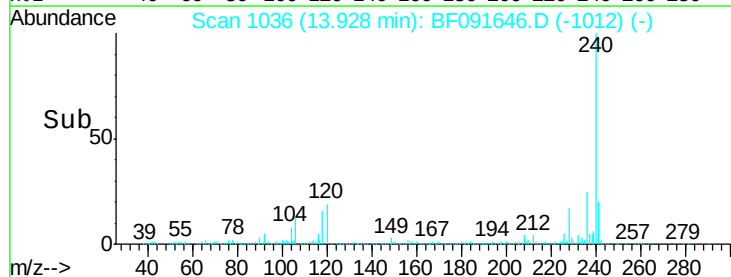
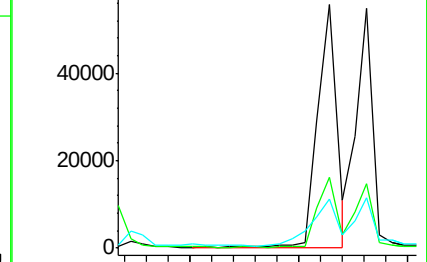
229 20.0 16.4 24.6

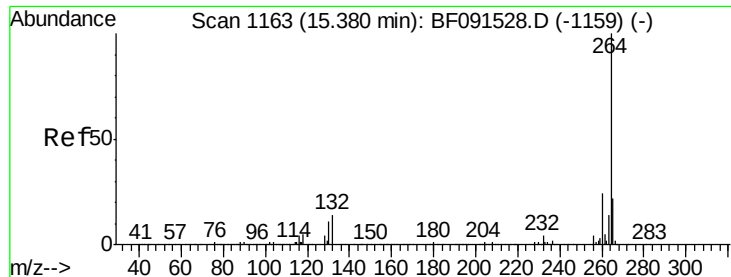


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



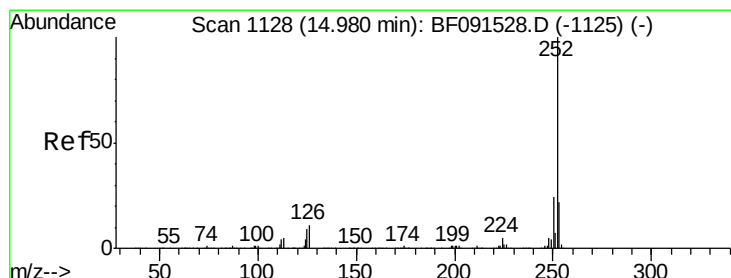
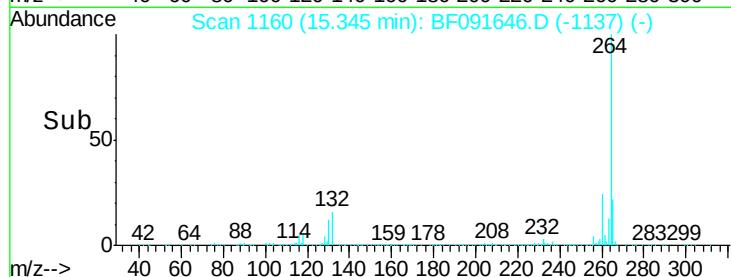
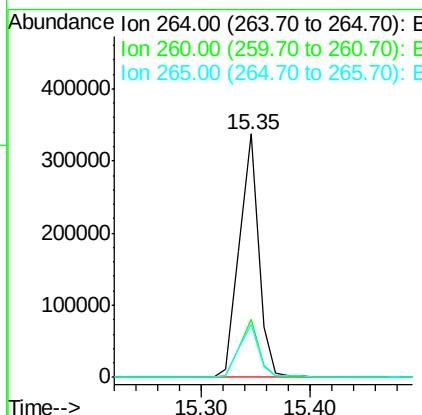
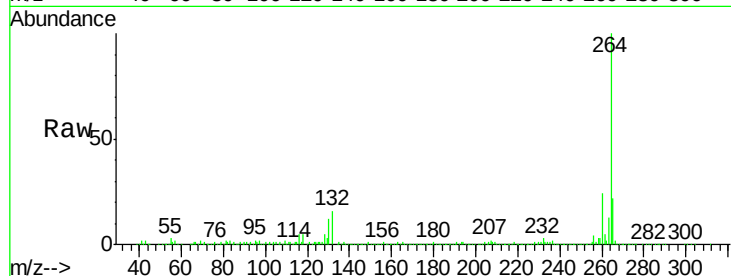


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

Instrument :
BNA_F
ClientSampleId :
WC-12-10-15

Tgt Ion:264 Resp: 416130

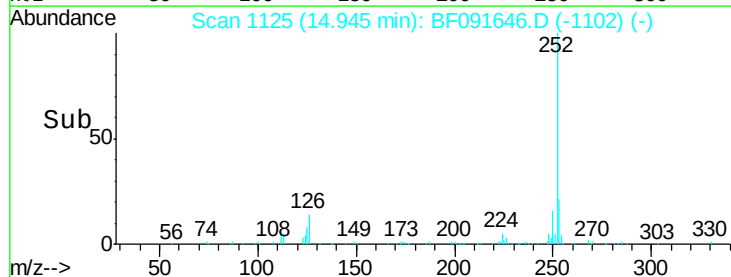
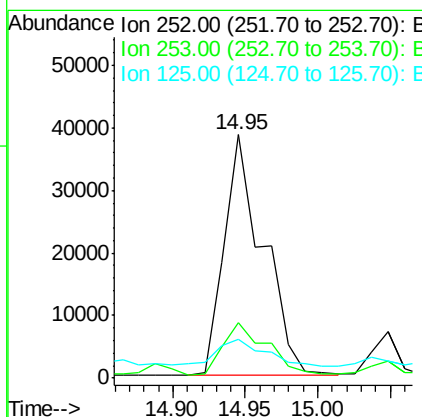
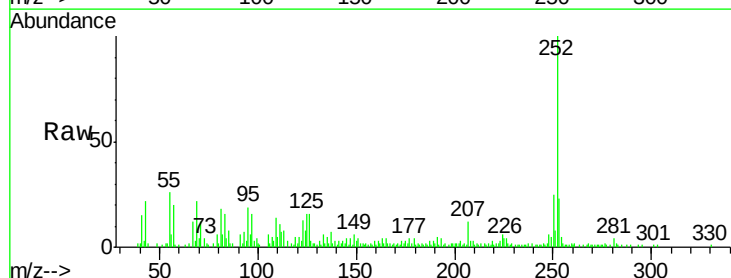
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.7	17.0	25.6

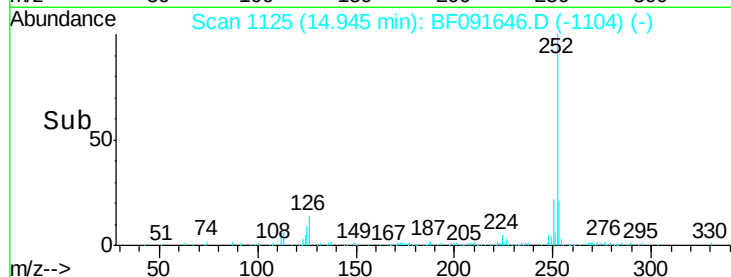
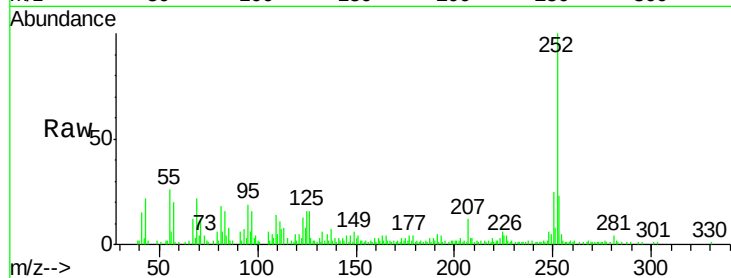
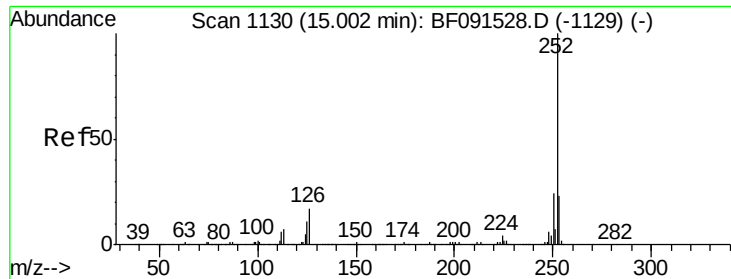


#87
Benzo(b)fluoranthene
Concen: 2.88 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF091646.D
Acq: 15 Dec 2016 23:27

Tgt Ion:252 Resp: 71366

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	15.7	8.6	13.0





#88

Benzo(k)fluoranthene

Concen: 3.27 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.06 min

Lab File: BF091646.D

Acq: 15 Dec 2016 23:27

Instrument :

BNA_F

ClientSampleId :

WC-12-10-15

Tgt Ion: 252 Resp: 71366

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 15.7 9.6 14.4#

