

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091893.D
 Acq On : 22 Dec 2016 18:31
 Operator : UM/SJ
 Sample : H6156-24
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Quant Time: Dec 23 00:40:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	149313	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	412105	20.00	ng	0.02
38) Acenaphthene-d10	9.79	164	334854	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	404453	20.00	ng	0.00
75) Chrysene-d12	13.91	240	302002	20.00	ng	0.00
86) Perylene-d12	15.30	264	263188	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	597555	66.82	ng	0.06
7) Phenol-d6	6.46	99	467872	42.85	ng	0.06
23) Nitrobenzene-d5	7.32	82	1219136	164.50	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	299064	107.92	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	1901525	121.96	ng	0.00
78) Terphenyl-d14	12.85	244	1012001	81.27	ng	0.00

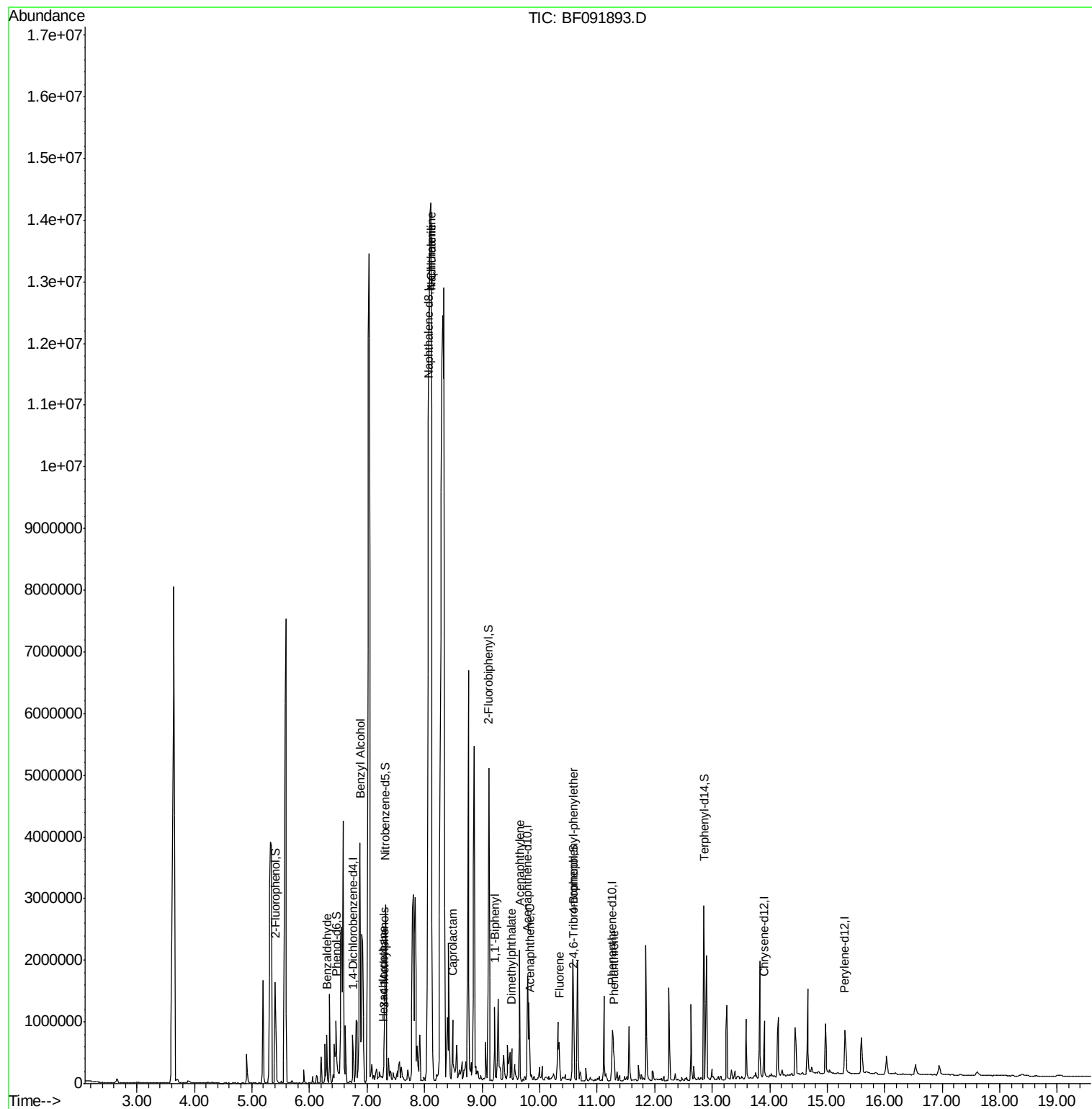
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	77826	9.68	ng	# 1
15) Benzyl Alcohol	6.88	79	261776	30.86	ng	# 58
18) Hexachloroethane	7.29	117	69030	16.85	ng	# 23
20) 3+4-Methylphenols	7.30	107	21869	2.24	ng	# 86
31) Naphthalene	8.11	128	24638702	1306.32	ng	# 92
33) 4-Chloroaniline	8.11	127	4079338	479.66	ng	# 33
35) Caprolactam	8.49	113	3682	2.05	ng	# 1
37) 2-Methylnaphthalene	8.76	142	2316981	Below Cal		99
45) 1,1'-Biphenyl	9.22	154	426315	18.59	ng	99
48) Acenaphthylene	9.65	152	875435	31.35	ng	99
49) Dimethylphthalate	9.52	163	95151	4.44	ng	99
51) Acenaphthene	9.82	154	166622	8.80	ng	98
57) Fluorene	10.34	166	192232	10.33	ng	99
66) 4-Bromophenyl-phenylether	10.58	248	16607	3.95	ng	# 1
70) Phenanthrene	11.29	178	251582	11.47	ng	98
73) Di-n-butylphthalate	11.84	149	6640	Below Cal	#	88
74) Fluoranthene	12.48	202	3850	Below Cal		89
76) Benzidine	12.64	184	585	Below Cal	#	1

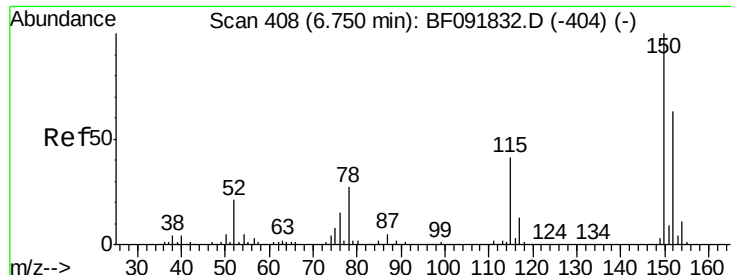
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091893.D
Acq On : 22 Dec 2016 18:31
Operator : UM/SJ
Sample : H6156-24
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-201612

Quant Time: Dec 23 00:40:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

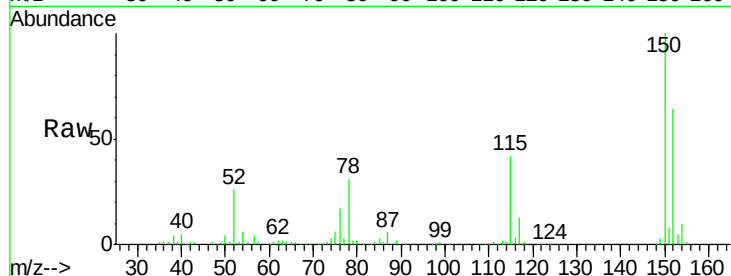
Tgt Ion:152 Resp: 149313

Ion Ratio Lower Upper

152 100

150 156.7 124.9 187.3

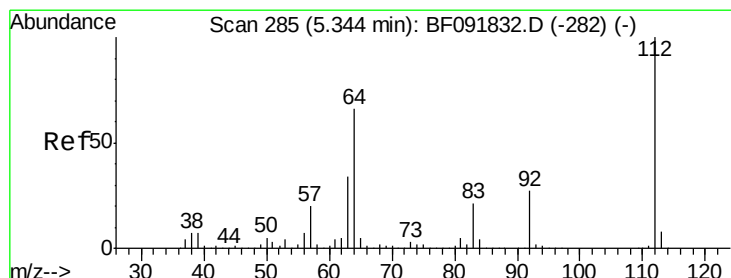
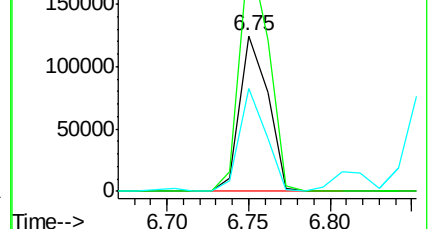
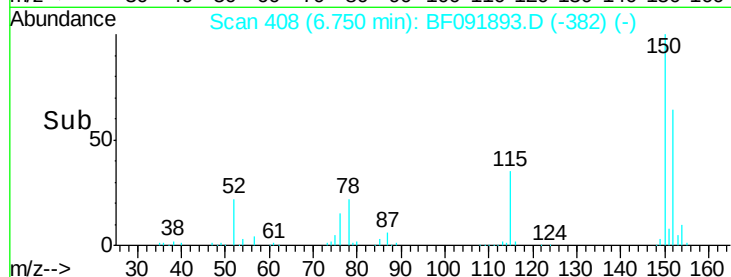
115 66.1 46.0 69.0



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: 66.82 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

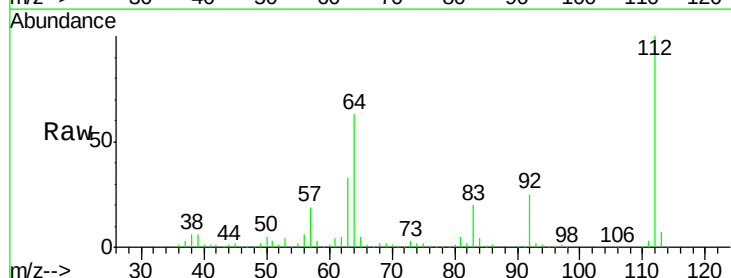
Tgt Ion:112 Resp: 597555

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

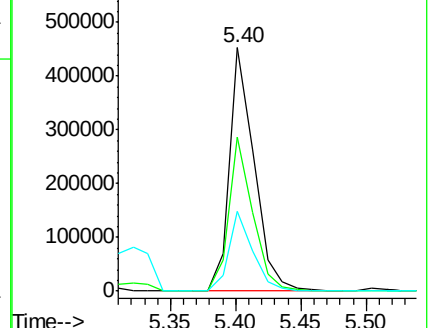
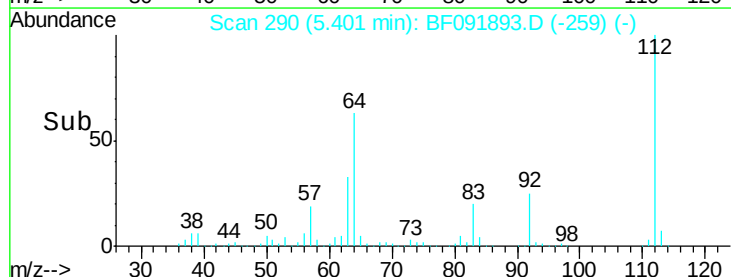
63 32.8 23.8 35.6

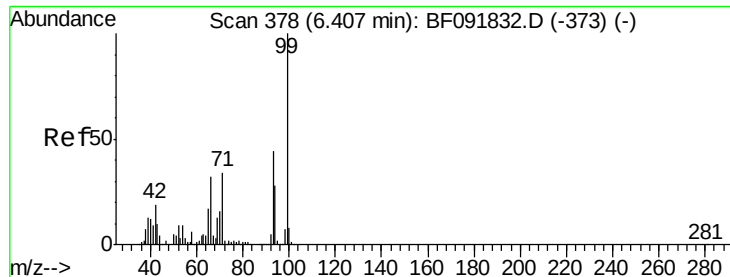


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.85 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.06 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

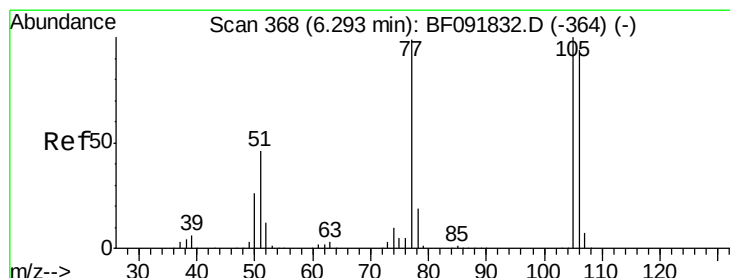
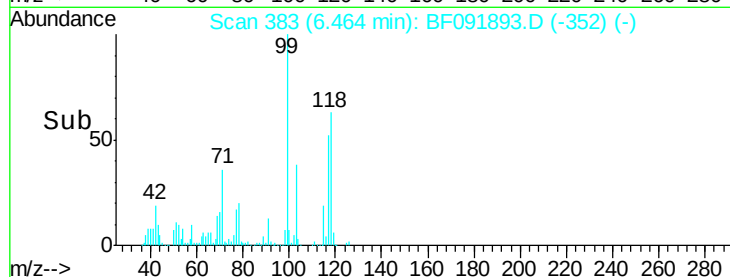
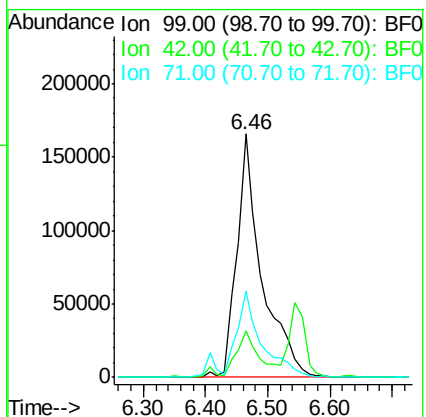
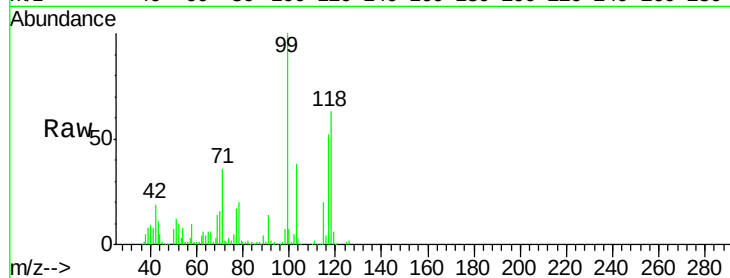
Tgt Ion: 99 Resp: 467872

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 35.6 27.5 41.3



#9

Benzaldehyde

Concen: 9.68 ng

RT: 6.30 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

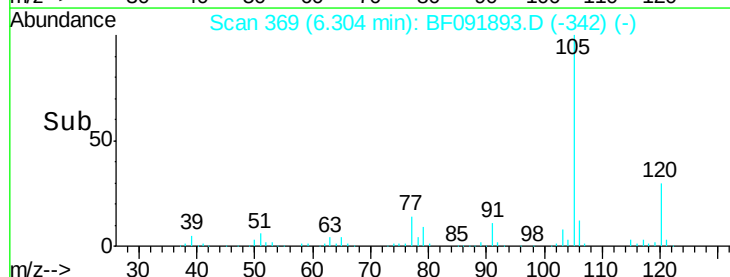
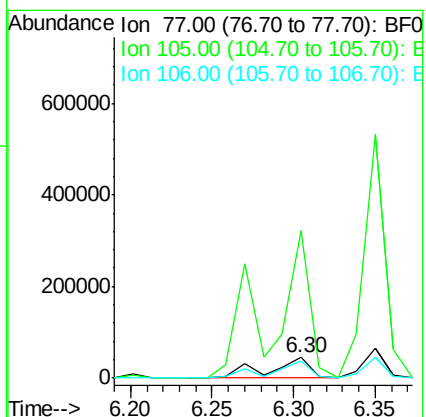
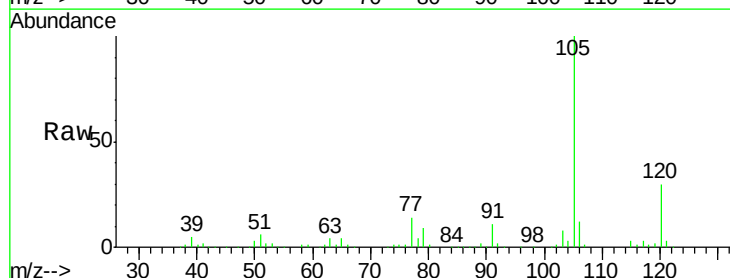
Tgt Ion: 77 Resp: 77826

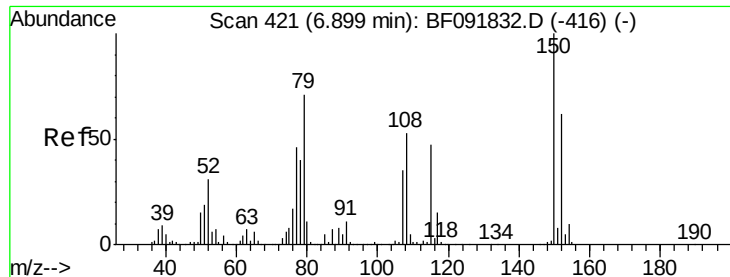
Ion Ratio Lower Upper

77 100

105 716.3 83.9 123.9#

106 83.1 77.6 117.6





#15

Benzyl Alcohol

Concen: 30.86 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

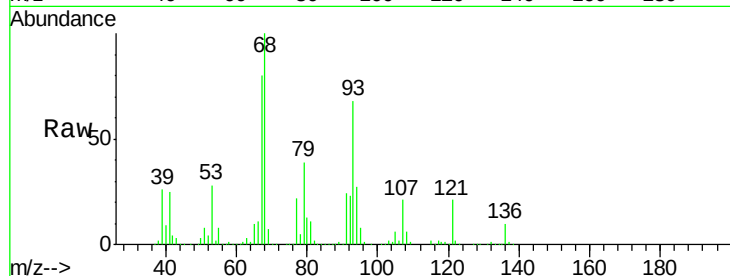
Tgt Ion: 79 Resp: 261776

Ion Ratio Lower Upper

79 100

108 16.0 61.4 92.0#

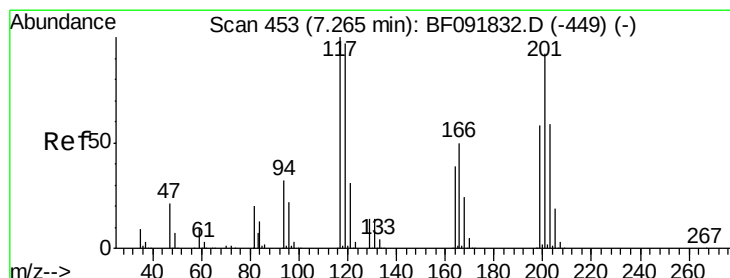
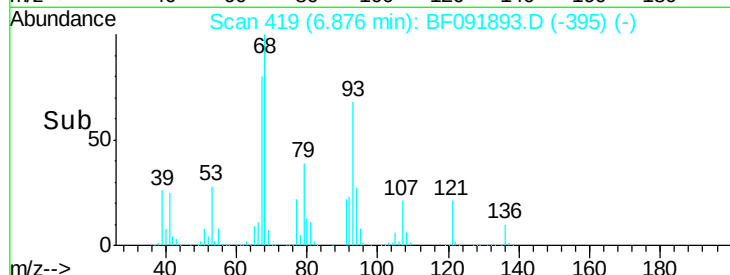
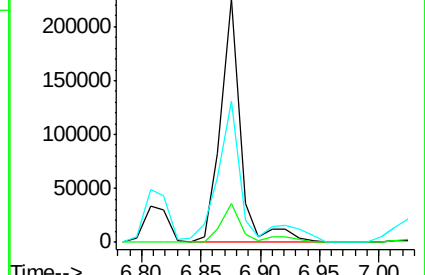
77 57.8 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 16.85 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.02 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

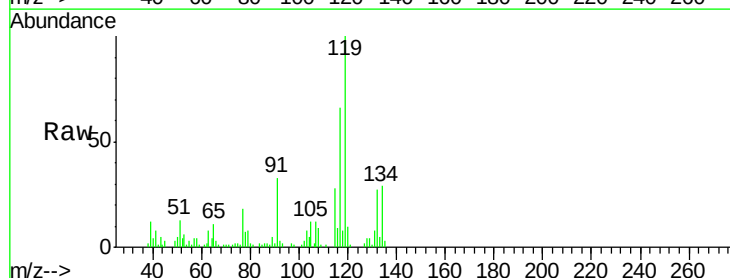
Tgt Ion: 117 Resp: 69030

Ion Ratio Lower Upper

117 100

119 152.4 78.1 117.1#

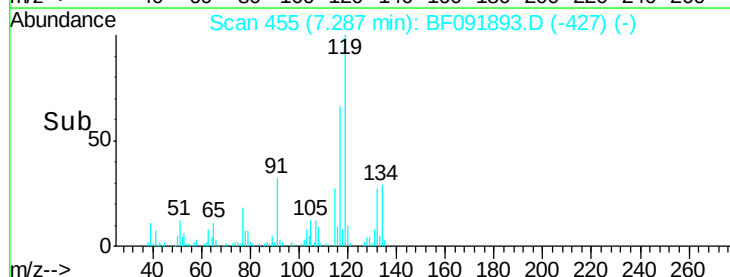
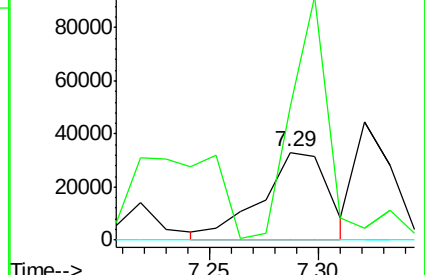
201 0.0 78.6 117.8#

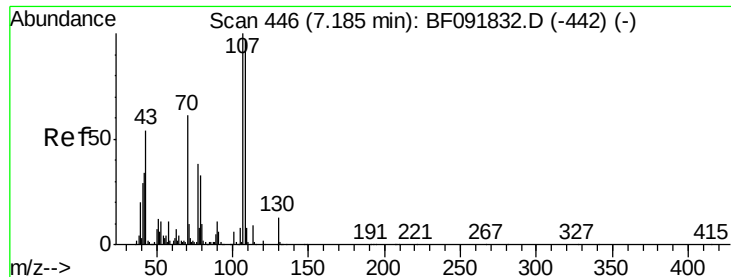


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

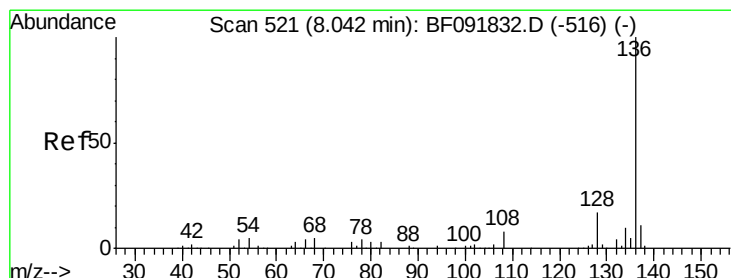
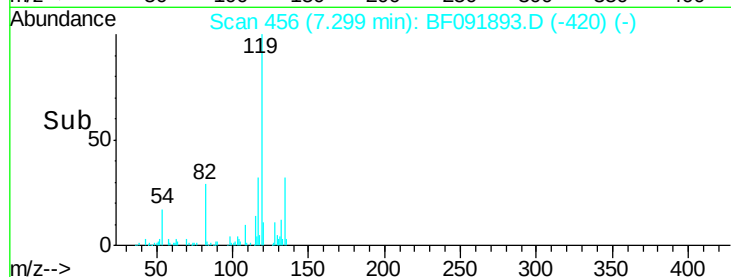
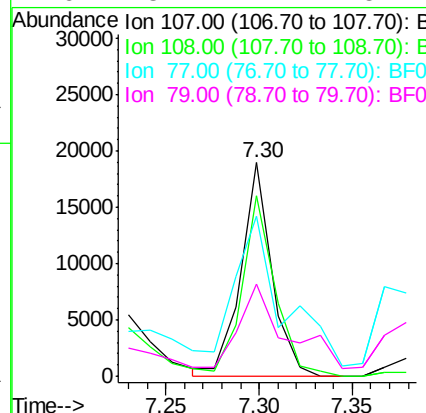
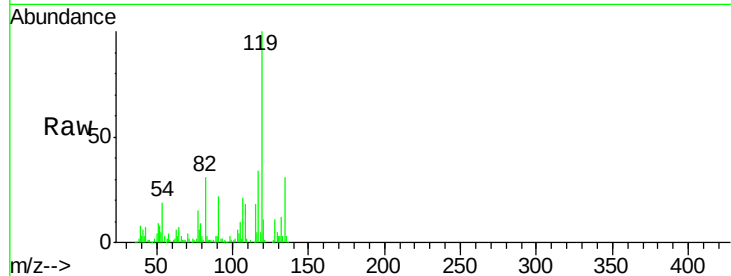




#20
3+4-Methylphenols
Concen: 2.24 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.11 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

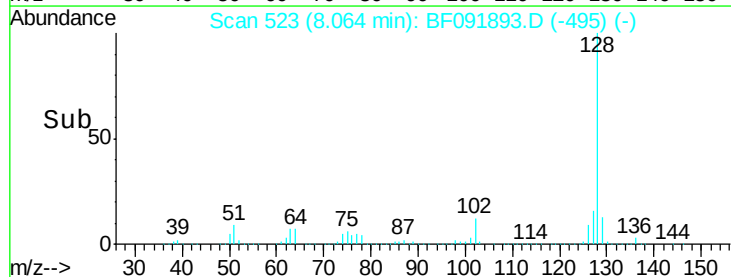
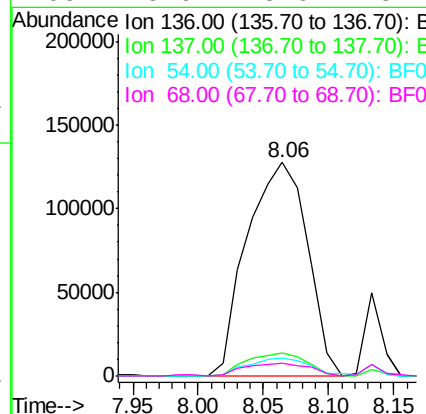
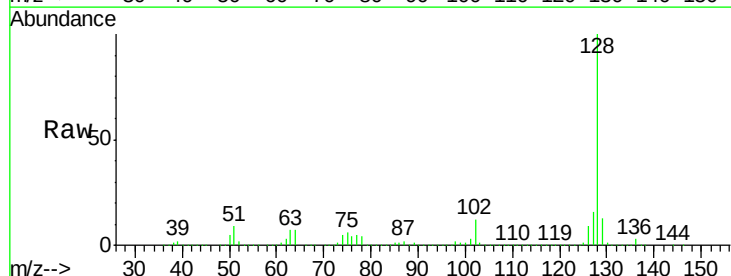
Instrument :
BNA_F
ClientSampleId :
WC-201612

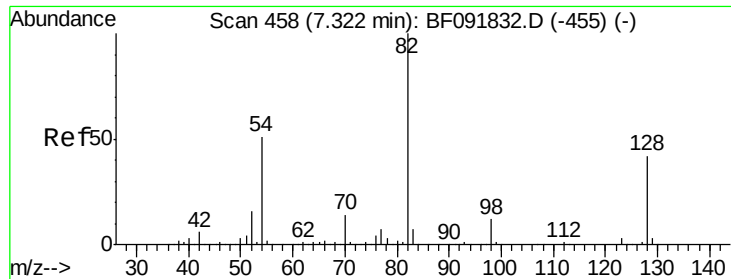
Tgt Ion:107 Resp: 21869
Ion Ratio Lower Upper
107 100
108 84.7 73.0 113.0
77 74.9 71.3 111.3
79 43.4 11.1 51.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.02 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Tgt Ion:136 Resp: 412105
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.2 4.5 6.7#
68 5.9 3.6 5.4#

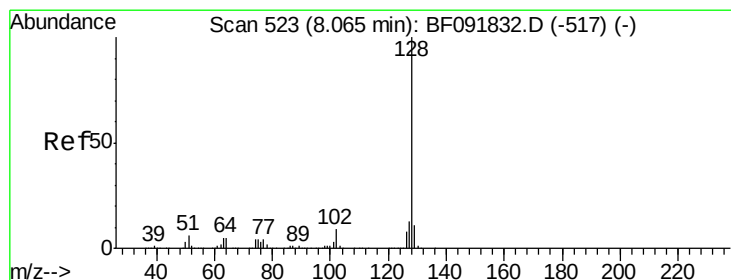
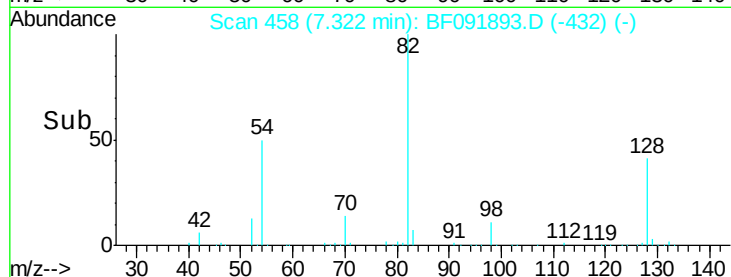
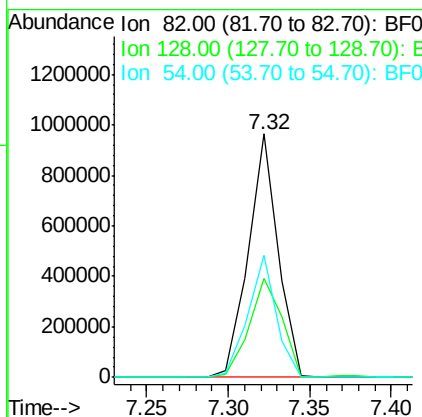
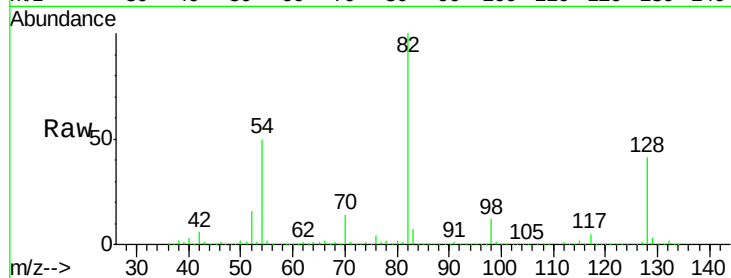




#23
 Nitrobenzene-d5
 Concen: 164.50 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

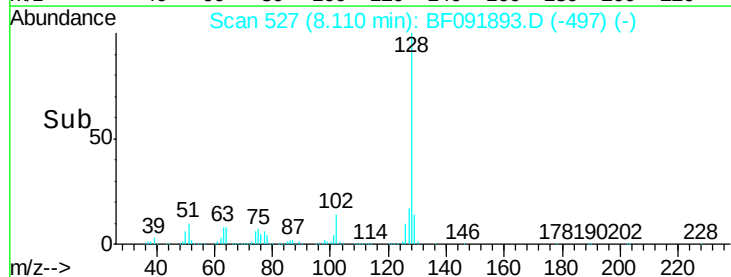
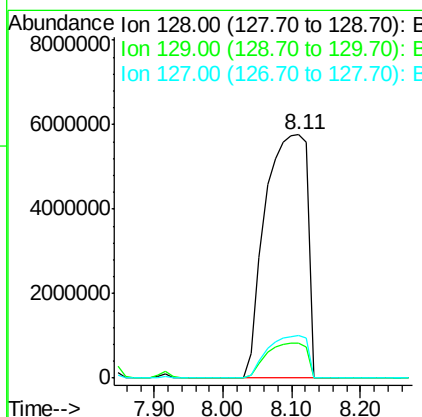
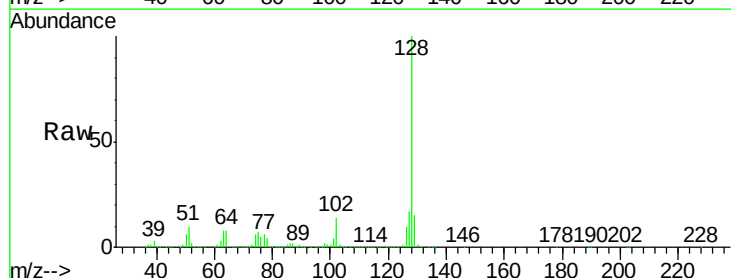
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

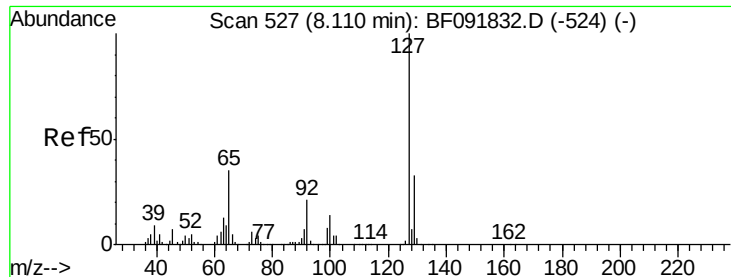
Tgt Ion: 82 Resp: 1219136
 Ion Ratio Lower Upper
 82 100
 128 40.8 34.6 52.0
 54 50.2 39.5 59.3



#31
 Naphthalene
 Concen: 1306.32 ng
 RT: 8.11 min Scan# 527
 Delta R.T. 0.05 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

Tgt Ion: 128 Resp: 24638702
 Ion Ratio Lower Upper
 128 100
 129 14.5 9.5 14.3#
 127 17.3 10.8 16.2#

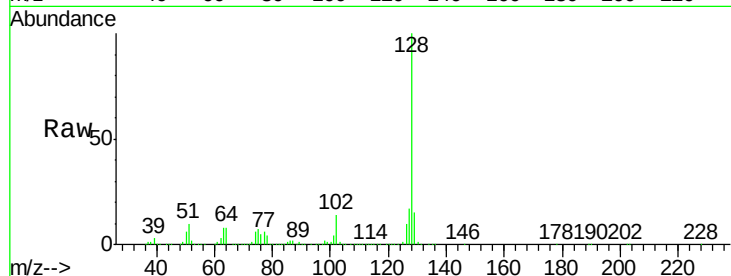




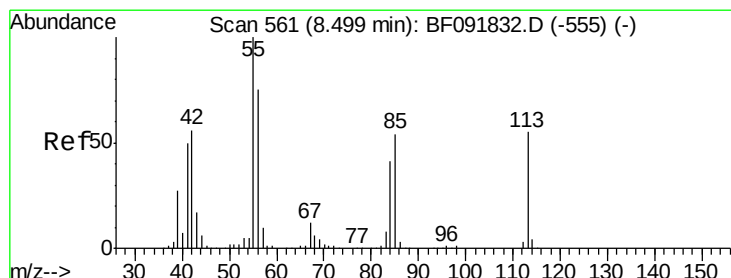
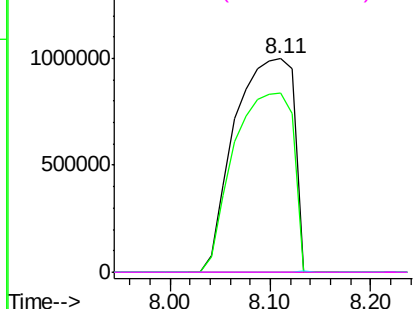
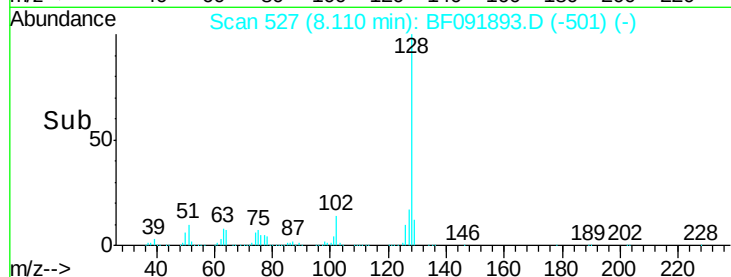
#33
4-Chloroaniline
Concen: 479.66 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tgt Ion:127 Resp: 4079338
Ion Ratio Lower Upper
127 100
129 84.0 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

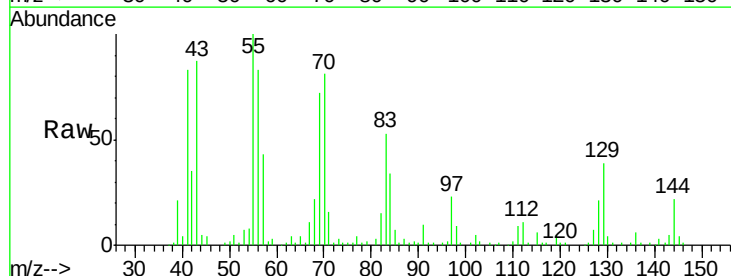


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

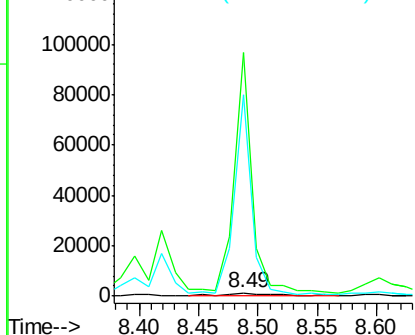
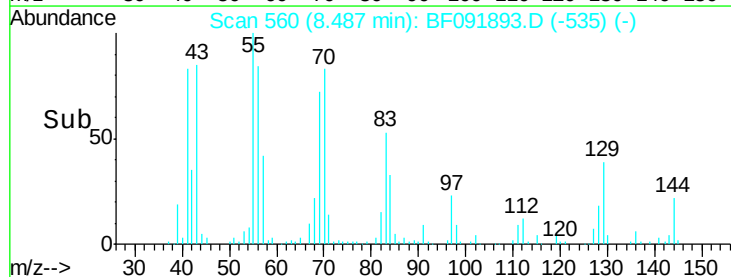


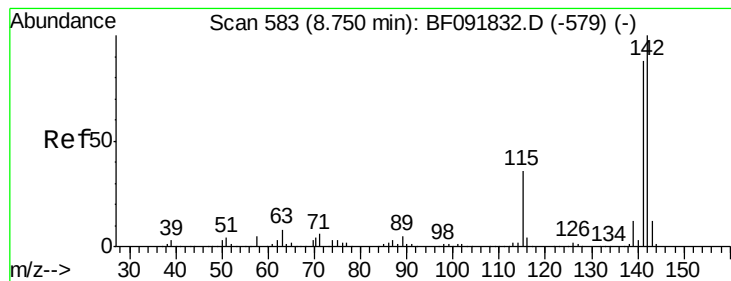
#35
Caprolactam
Concen: 2.05 ng
RT: 8.49 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Tgt Ion:113 Resp: 3682
Ion Ratio Lower Upper
113 100
55 7300.3 119.2 159.2#
56 6049.5 83.8 123.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

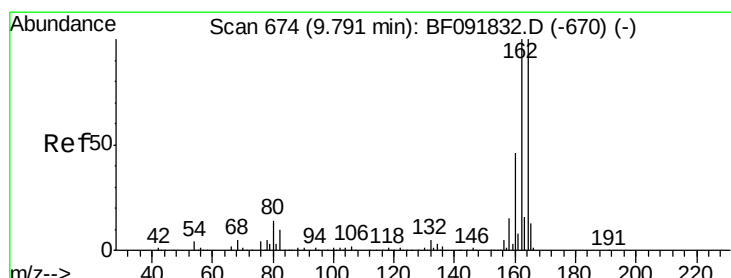
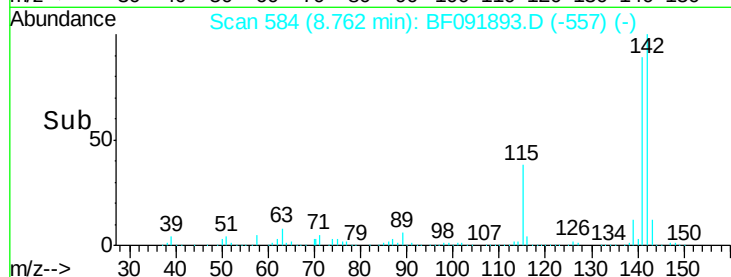
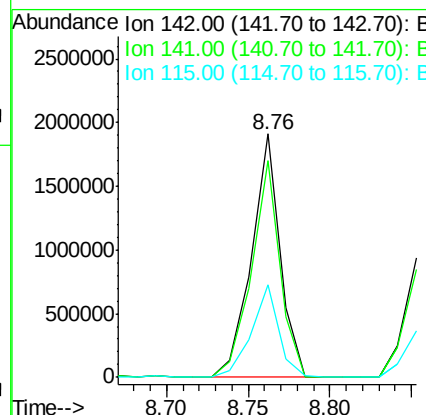
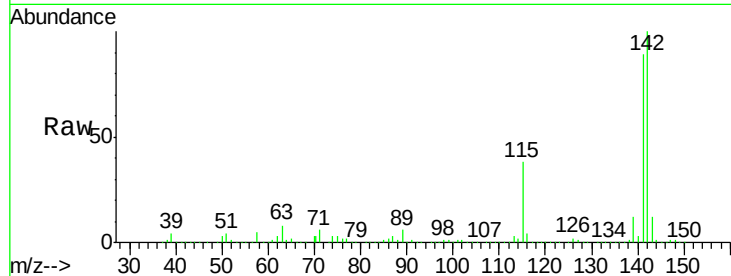




#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.76 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

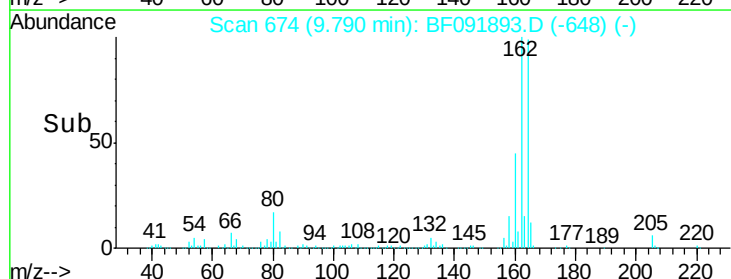
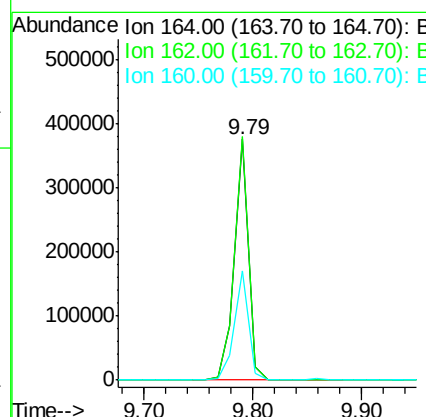
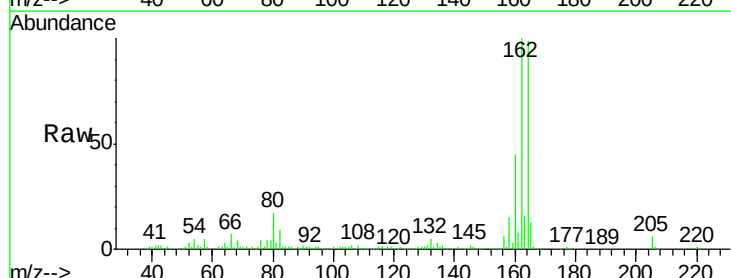
Instrument :
BNA_F
ClientSampleId :
WC-201612

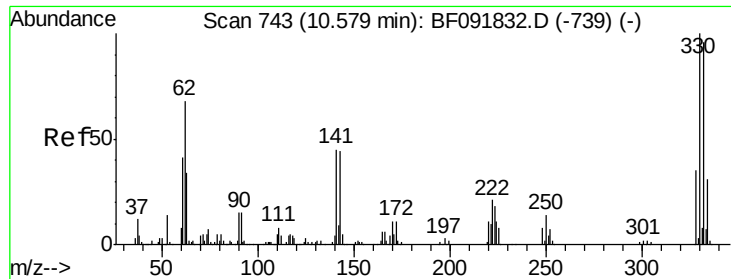
Tgt Ion:142 Resp: 2316981
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 38.1 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Tgt Ion:164 Resp: 334854
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.2
160 45.5 36.9 55.3

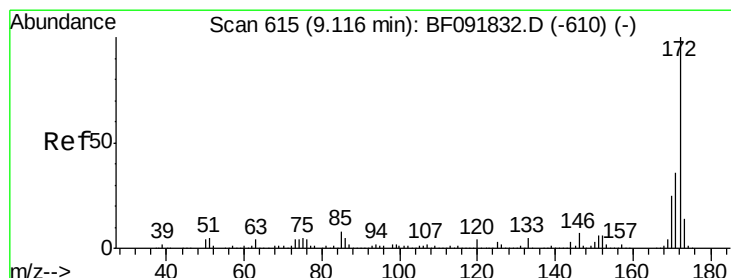
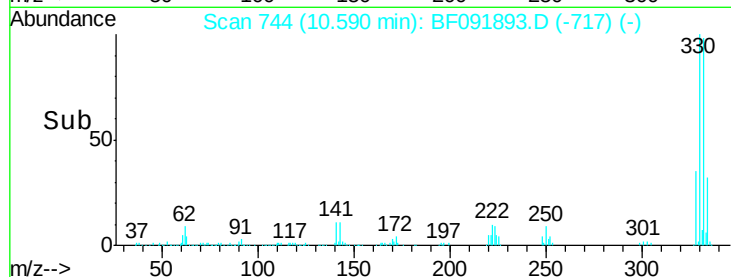
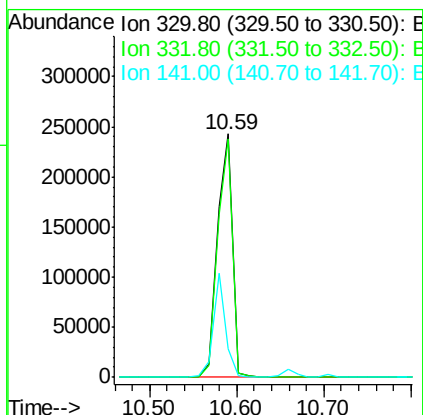
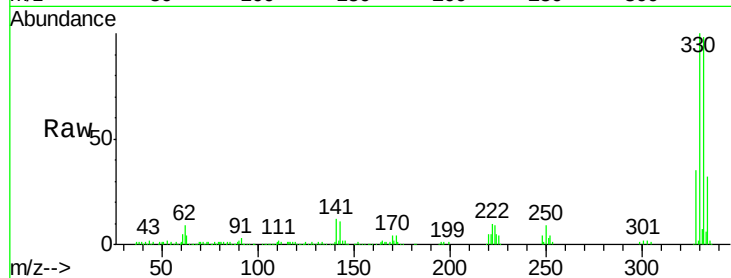




#41
 2,4,6-Tribromophenol
 Concen: 107.92 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

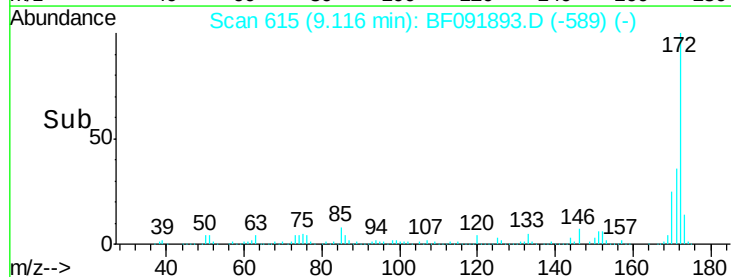
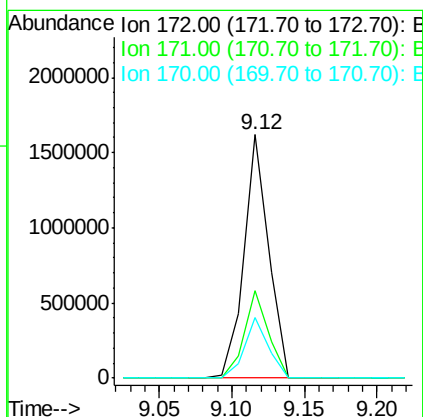
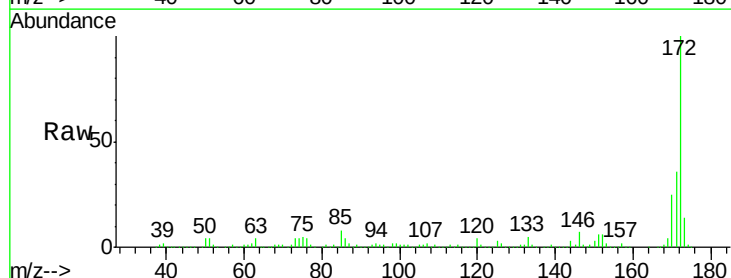
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

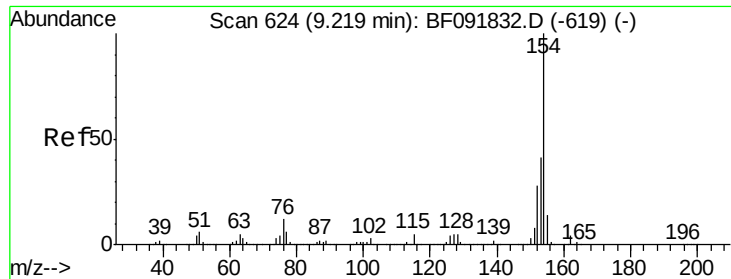
Tgt Ion:330 Resp: 299064
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 35.2 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 121.96 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

Tgt Ion:172 Resp: 1901525
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.7 20.2 30.4

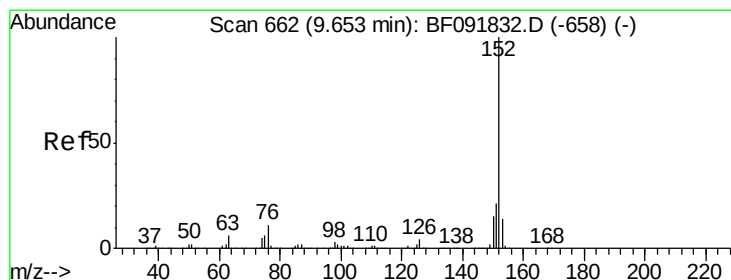
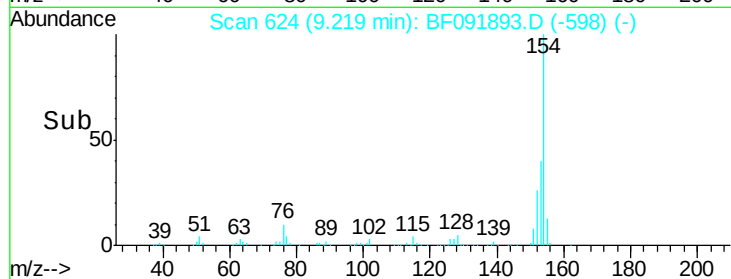
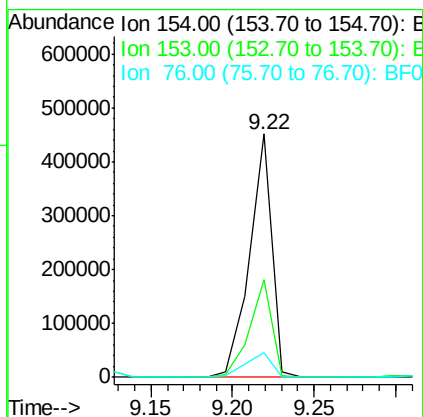
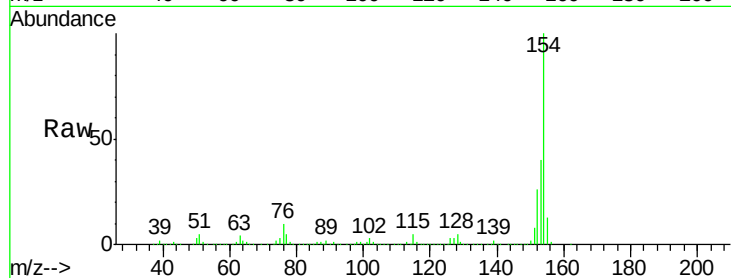




#45
 1,1'-Biphenyl
 Concen: 18.59 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

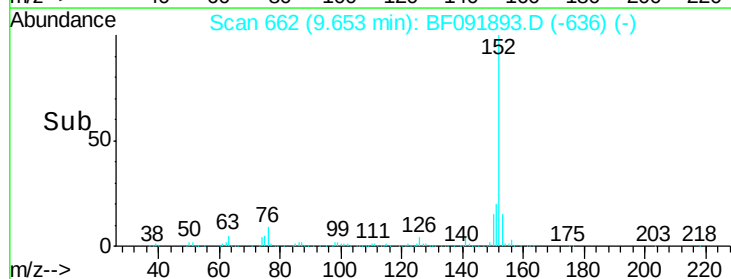
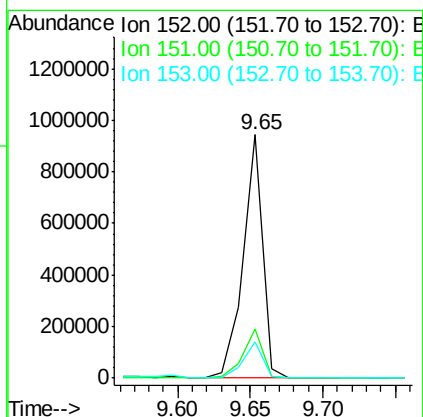
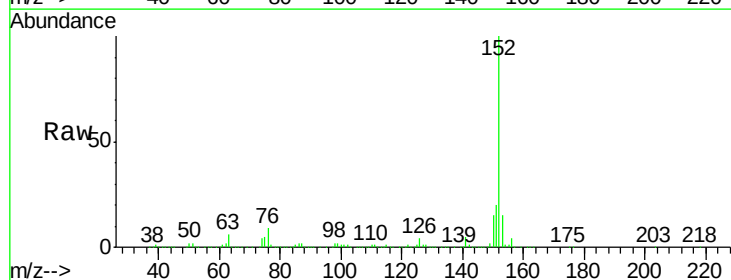
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

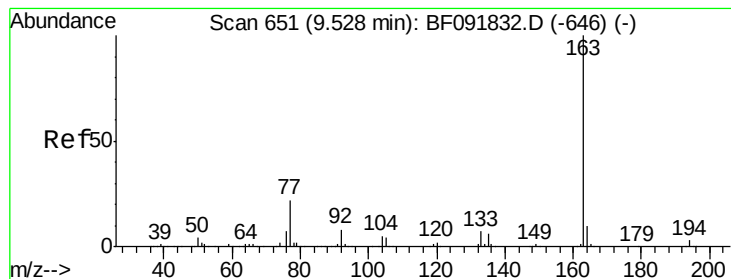
Tgt Ion:	154	Resp:	426315
Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.9	60.9
76	10.1	0.0	30.5



#48
 Acenaphthylene
 Concen: 31.35 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

Tgt Ion:	152	Resp:	875435
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	14.7	11.4	17.2





#49

Dimethylphthalate

Concen: 4.44 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

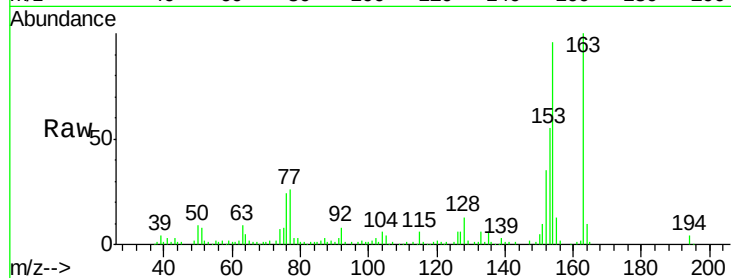
Tgt Ion:163 Resp: 95151

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

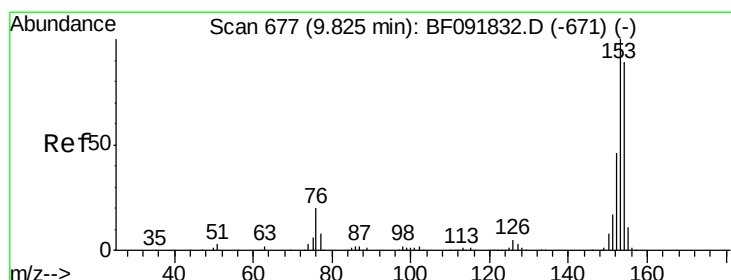
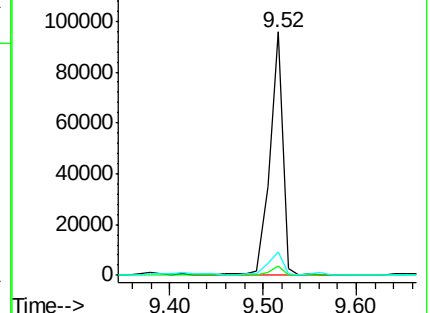
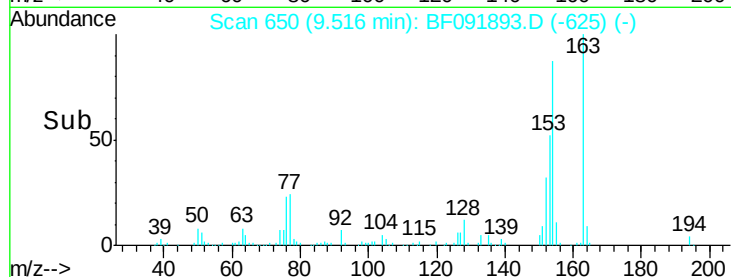
164 9.7 8.0 12.0



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



#51

Acenaphthene

Concen: 8.80 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

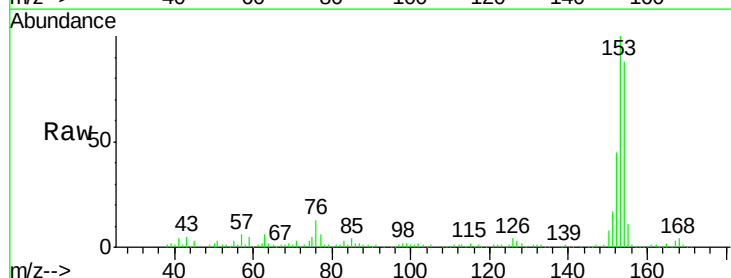
Tgt Ion:154 Resp: 166622

Ion Ratio Lower Upper

154 100

153 113.9 88.6 133.0

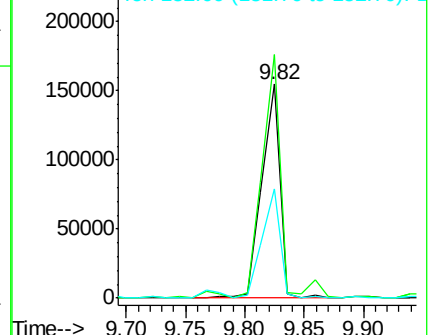
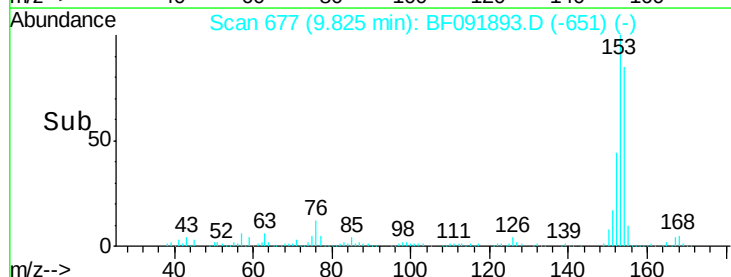
152 51.3 41.6 62.4

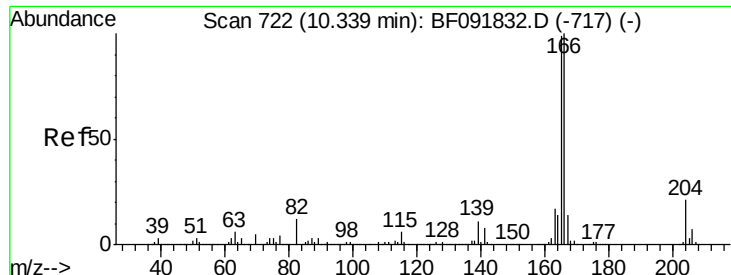


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

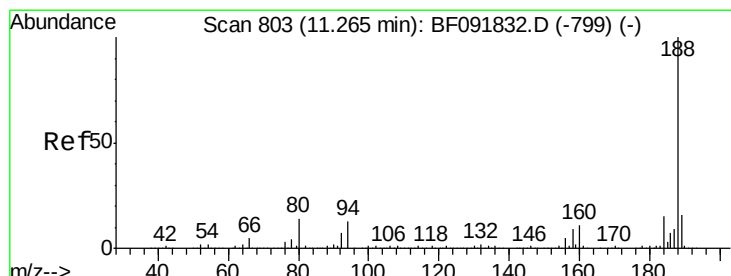
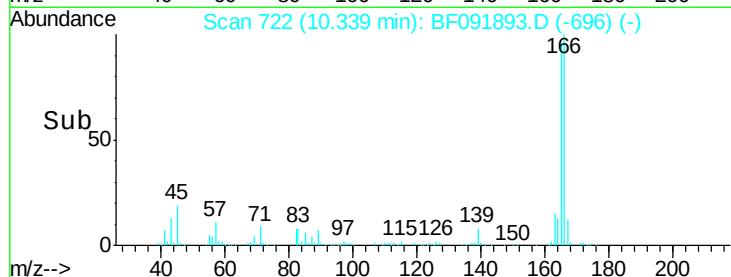
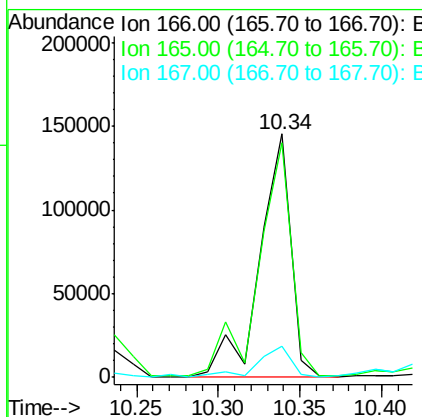
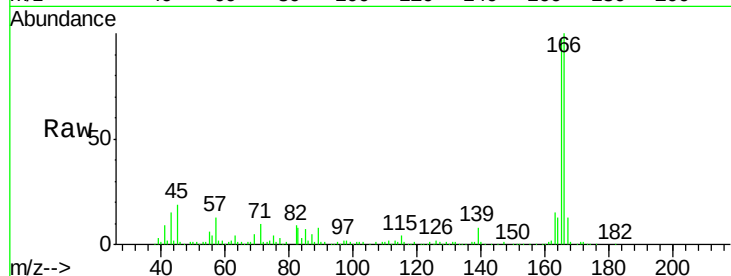




#57
Fluorene
 Concen: 10.33 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

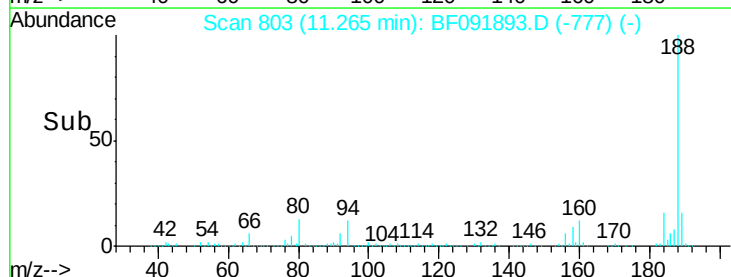
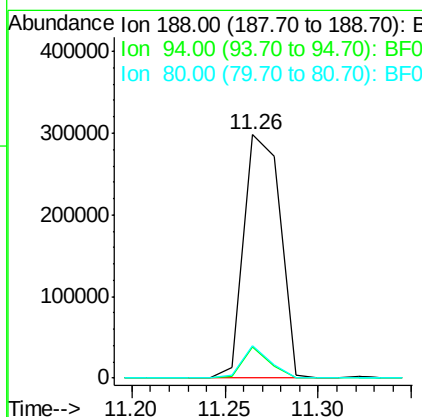
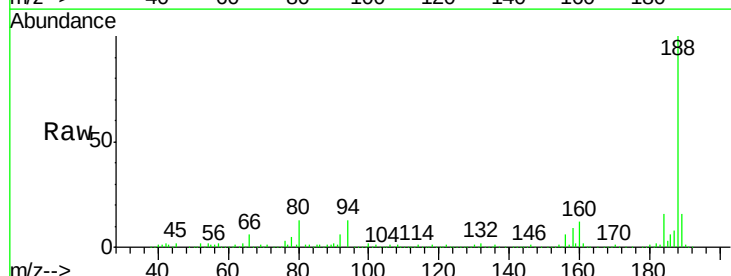
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

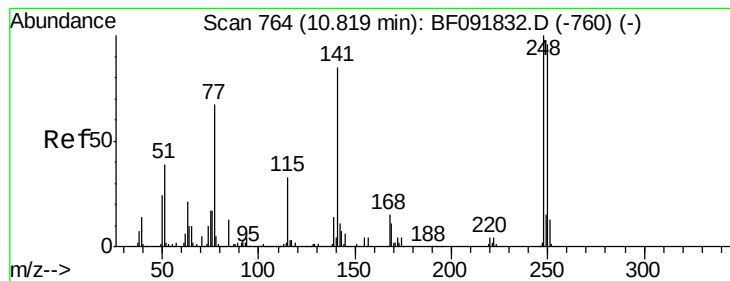
Tgt Ion:166 Resp: 192232
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.8 116.8
 167 12.7 10.8 16.2



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

Tgt Ion:188 Resp: 404453
 Ion Ratio Lower Upper
 188 100
 94 12.6 10.0 15.0
 80 13.2 11.2 16.8





#66

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

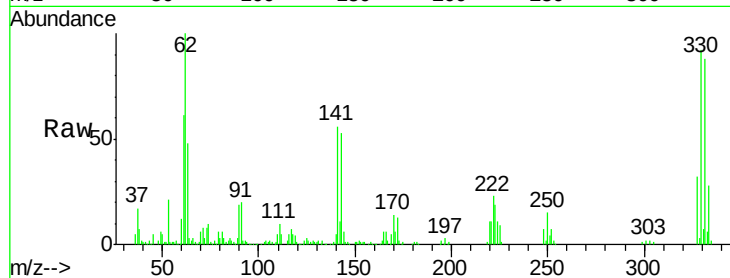
Tgt Ion:248 Resp: 16607

Ion Ratio Lower Upper

248 100

250 213.9 76.9 115.3#

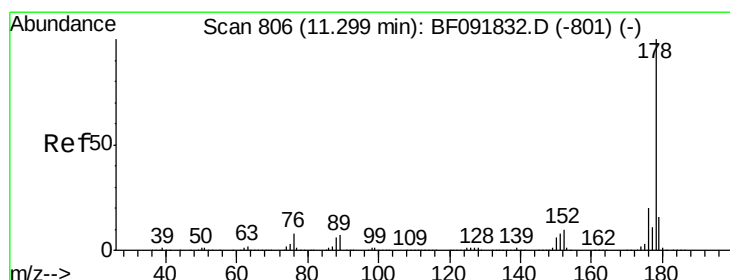
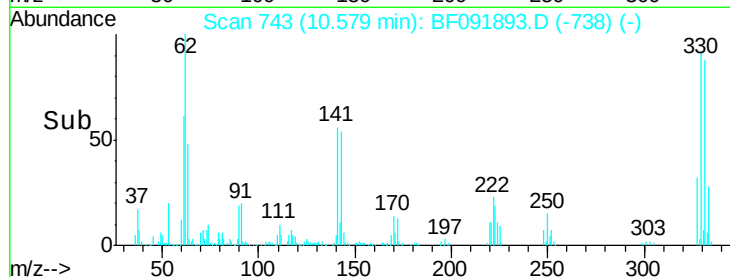
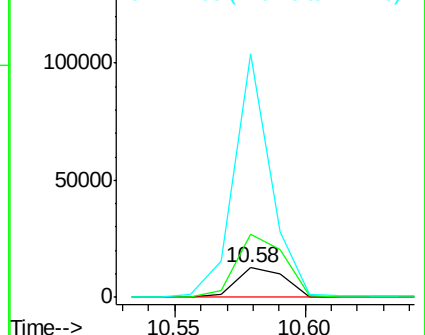
141 823.3 68.2 102.4#



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: 11.47 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

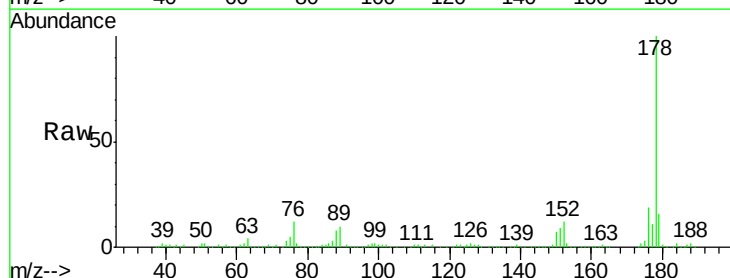
Tgt Ion:178 Resp: 251582

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

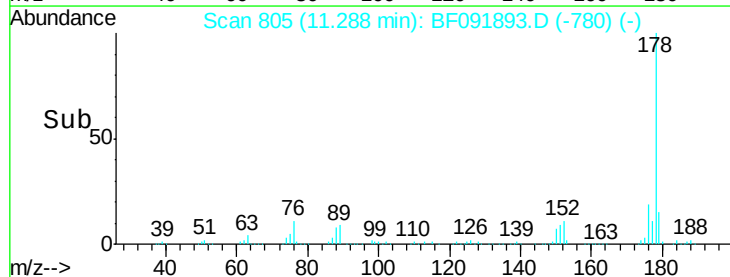
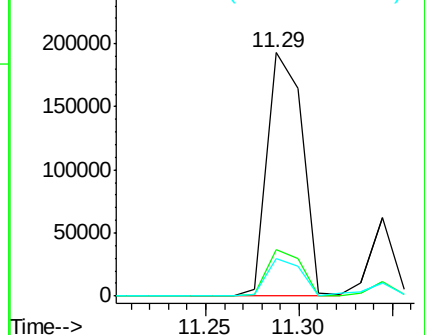
179 15.5 12.8 19.2

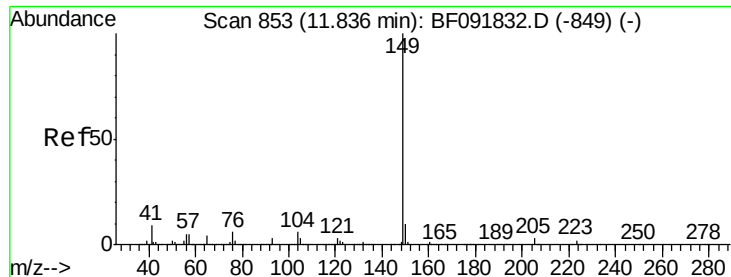


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

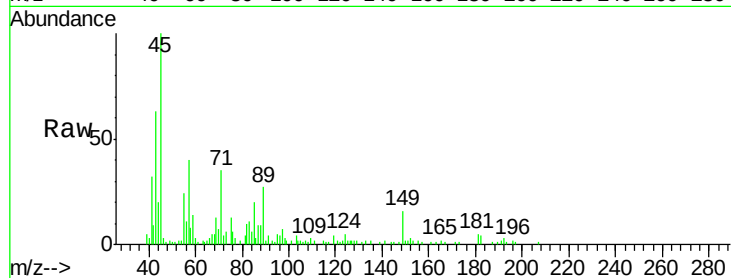
Tgt Ion:149 Resp: 6640

Ion Ratio Lower Upper

149 100

150 14.5 8.1 12.1#

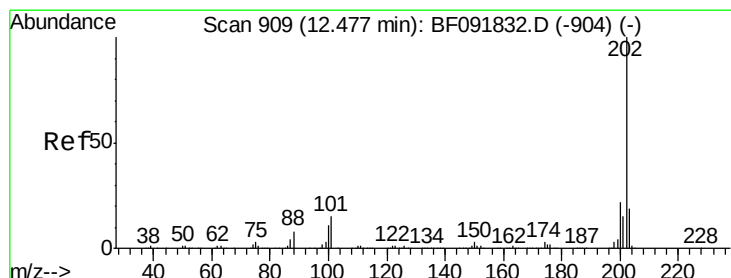
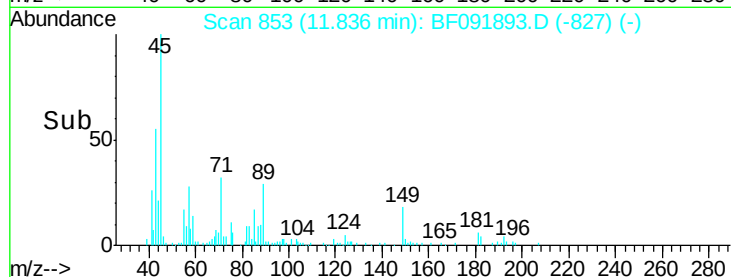
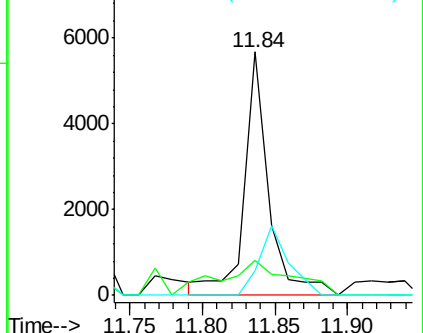
104 9.9 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

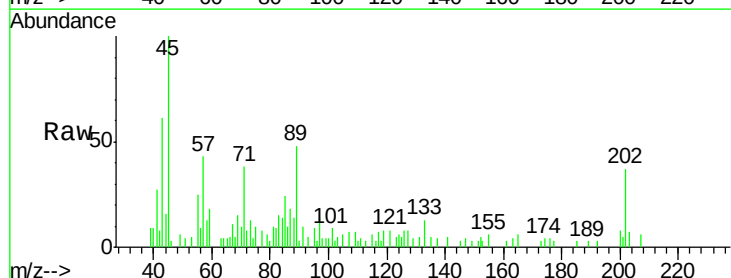
Tgt Ion:202 Resp: 3850

Ion Ratio Lower Upper

202 100

101 24.0 0.0 34.6

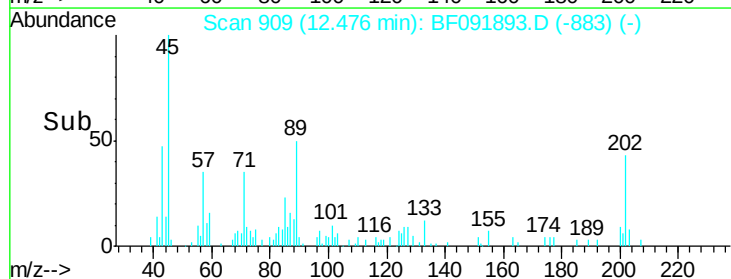
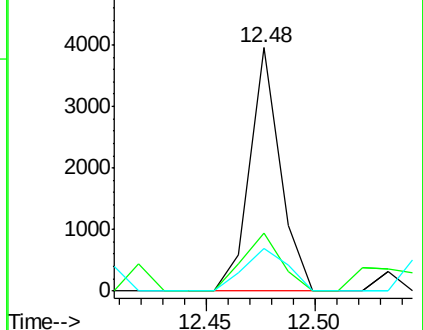
203 17.7 0.0 38.7

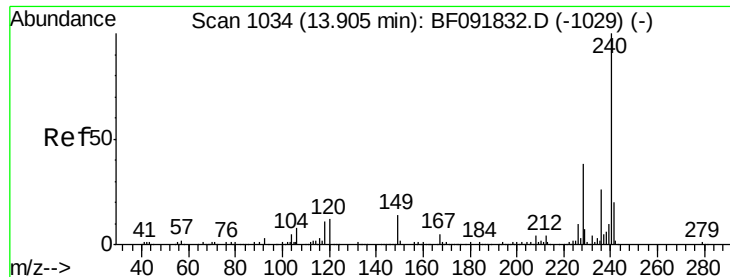


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

Instrument :

BNA_F

ClientSampleId :

WC-201612

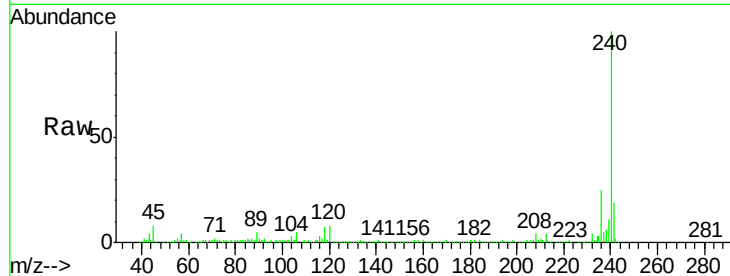
Tgt Ion:240 Resp: 302002

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

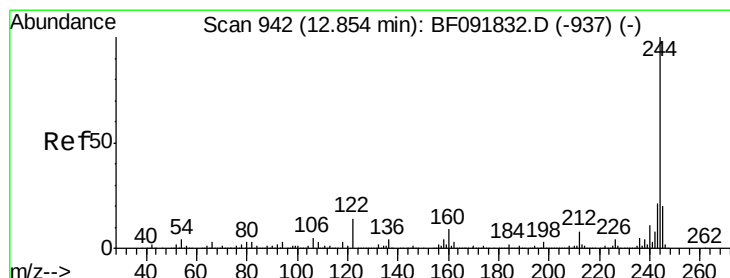
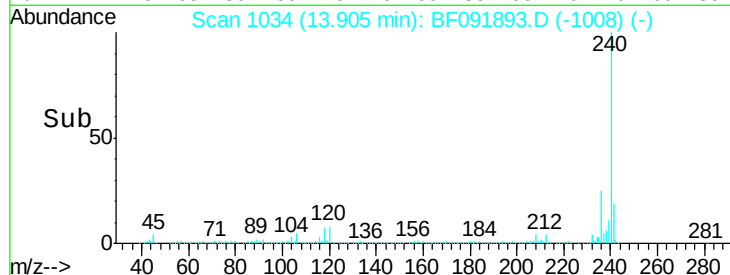
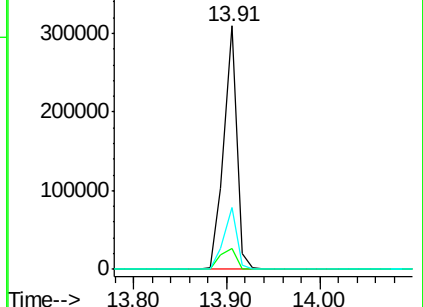
236 25.3 20.9 31.3



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



#78

Terphenyl-d14

Concen: 81.27 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

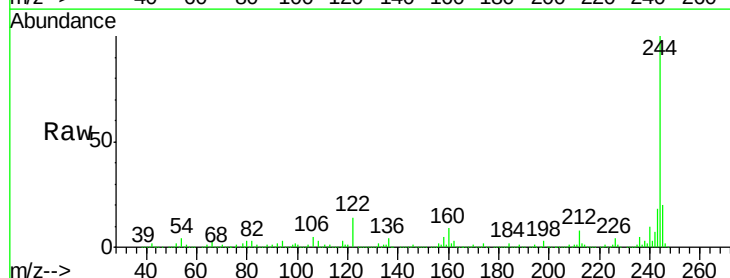
Tgt Ion:244 Resp: 1012001

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

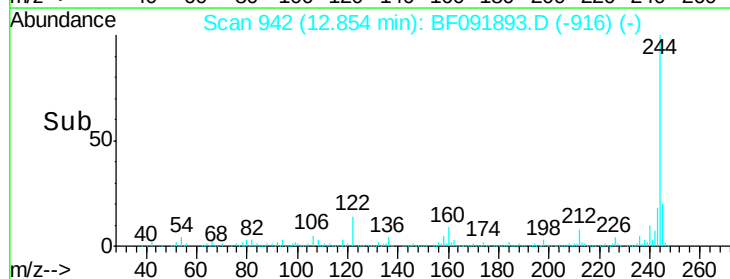
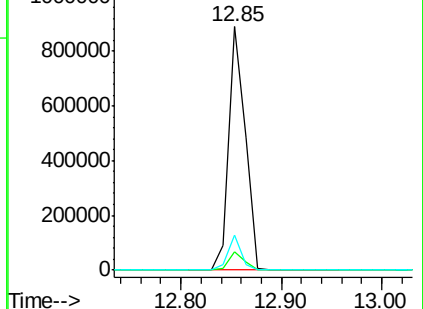
122 14.1 11.4 17.2

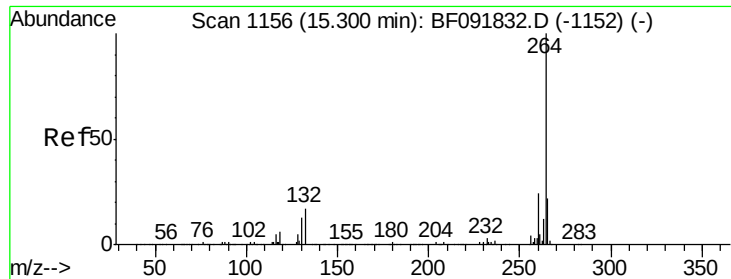


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tgt Ion: 264 Resp: 263188
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.2 17.4 26.0

