

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 03:51:53 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

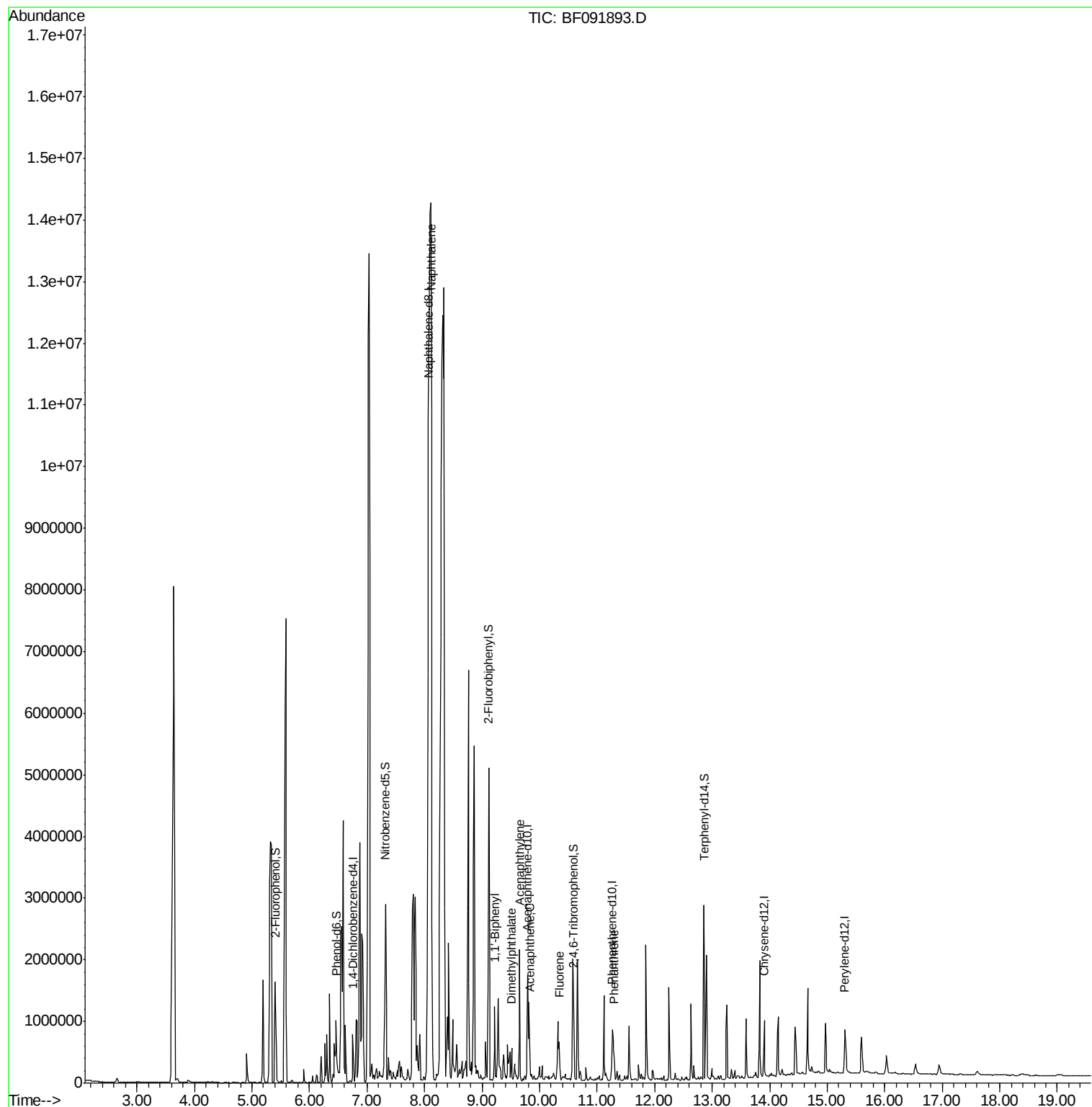
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	149313	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	412105	20.00	ng	0.02
38) Acenaphthene-d10	9.79	164	334854	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	404453	20.00	ng	0.00
75) Chrysene-d12	13.91	240	302002	20.00	ng	0.00
86) Perylene-d12	15.30	264	263188	20.00	ng	0.00
System Monitoring Compounds						
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						
31) Naphthalene	8.11	128	24638702	1306.32	ng	Qvalue # 92
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
70) Phenanthrene	11.29	178	251582	11.47	ng	98

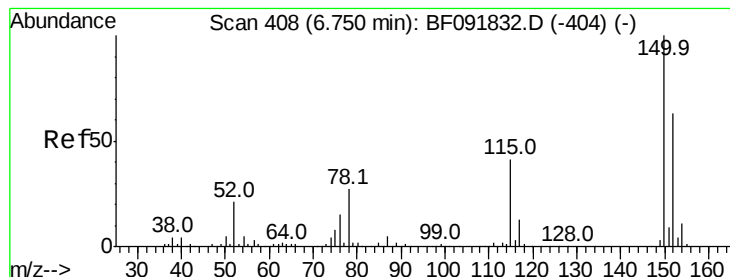
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

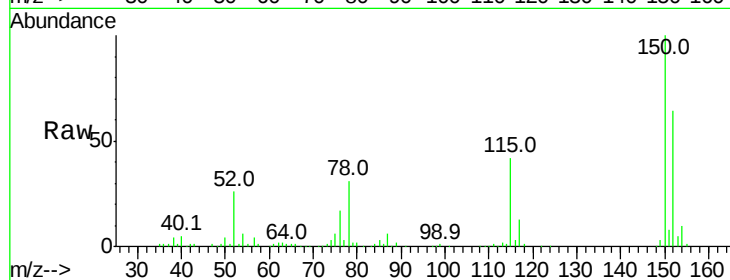
Tot Ion:152 Resp: 149313

Ion Ratio Lower Upper

152 100

150 156.7 124.9 187.3

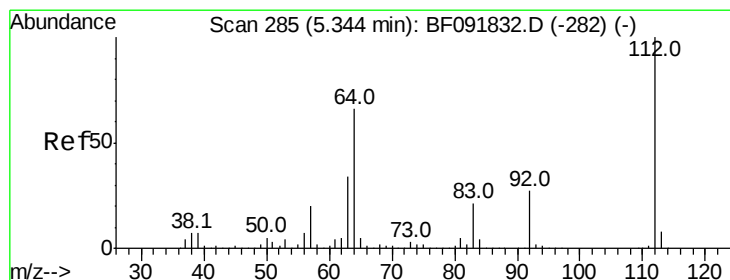
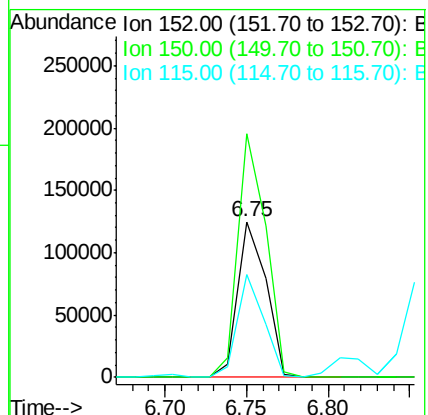
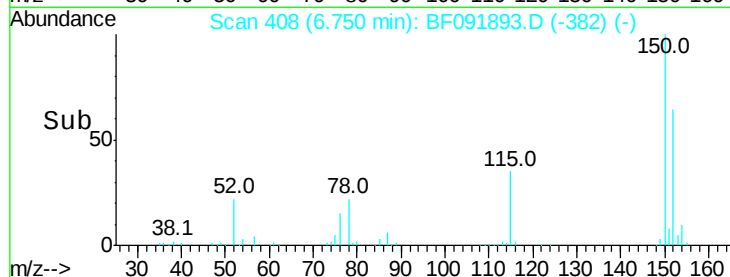
115 66.1 46.0 69.0



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

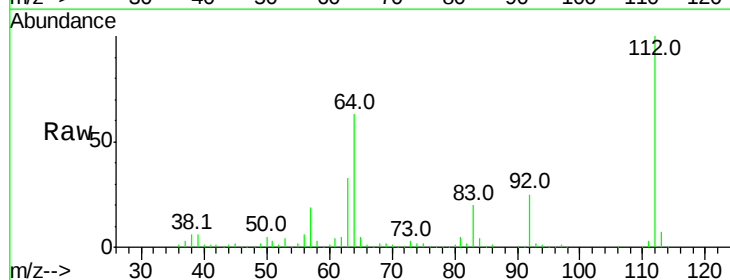
Tgt Ion:112 Resp: 597555

Ion Ratio Lower Upper

112 100

64 63.1 46.1 69.1

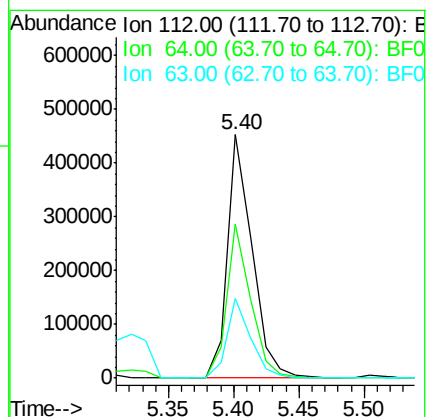
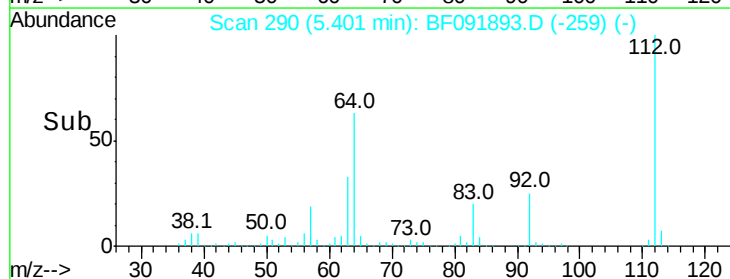
63 32.8 23.8 35.6



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

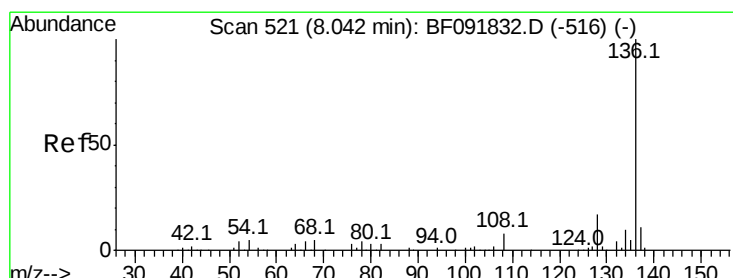
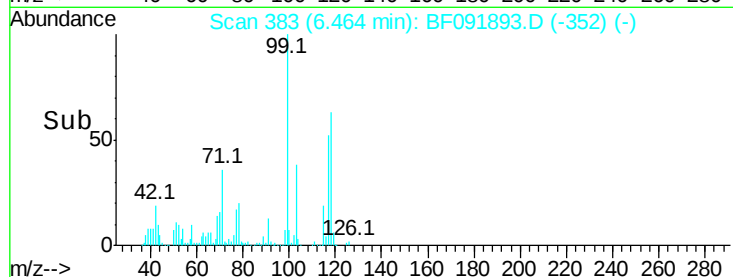
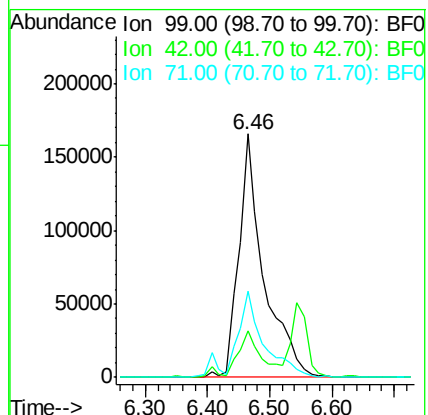
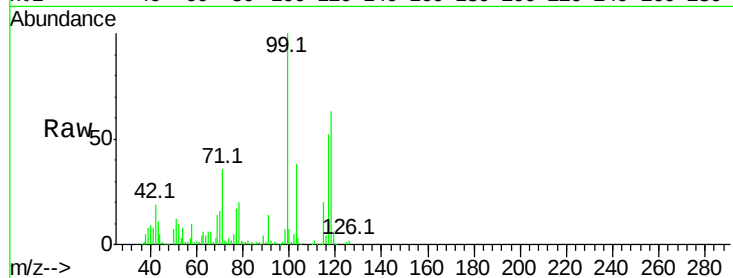
Tot Ion: 99 Resp: 467872

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 35.6 27.5 41.3



#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

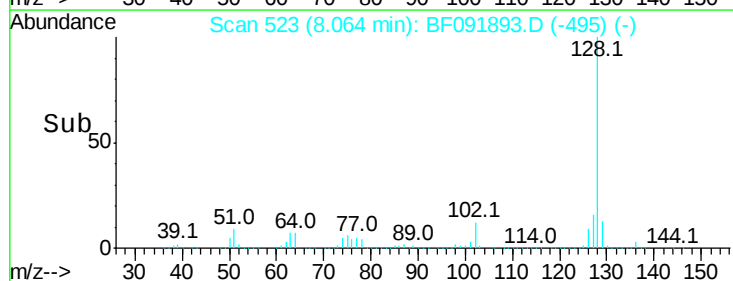
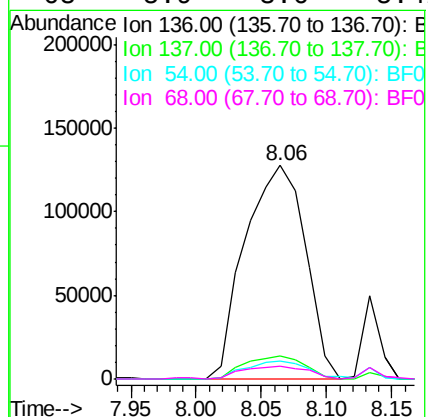
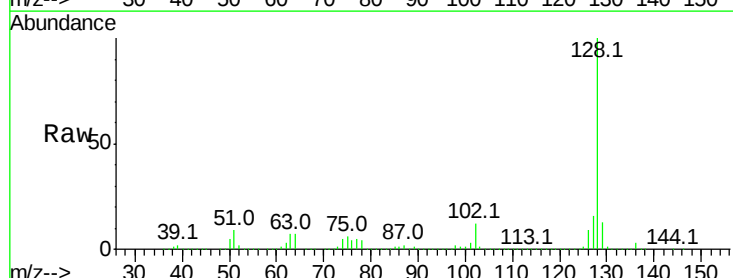
Ion Ratio Lower Upper

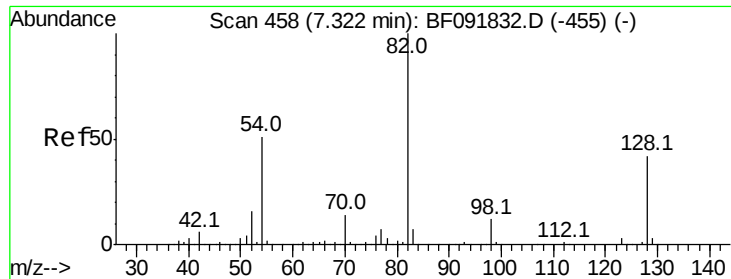
136 100

137 10.6 8.4 12.6

54 8.2 4.5 6.7#

68 5.9 3.6 5.4#

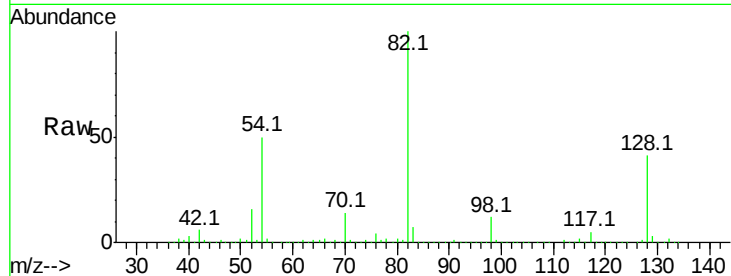




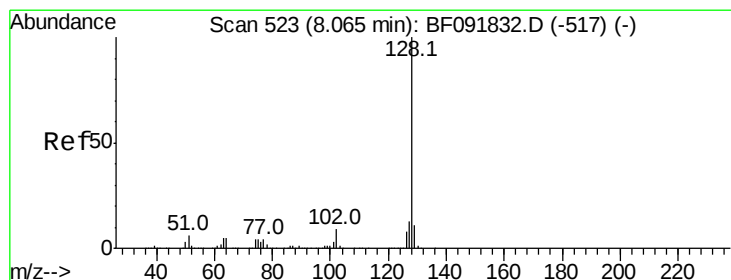
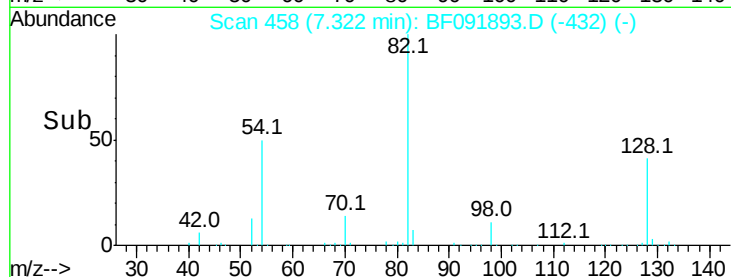
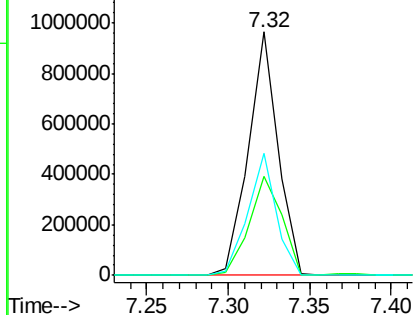
#23
Nitrobenzene-d5
Concen: 164.50 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

Instrument :
BNA_F
ClientSampleId :
WC-201612

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

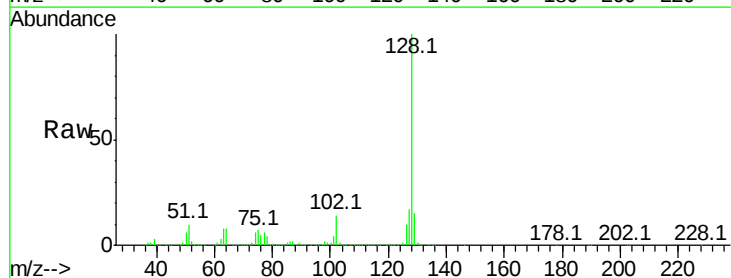


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

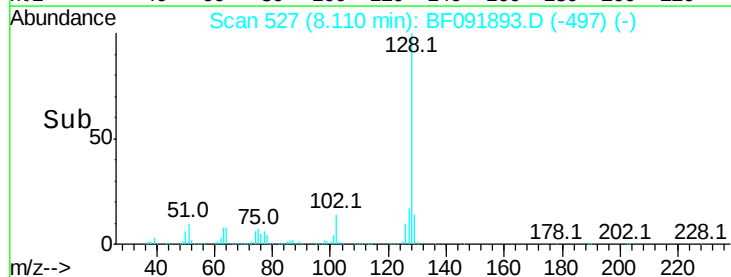
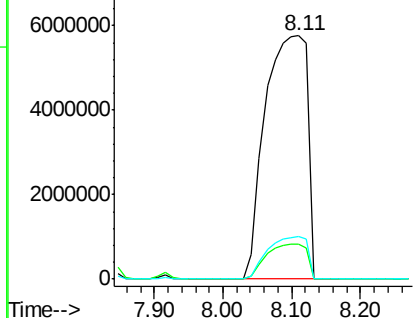


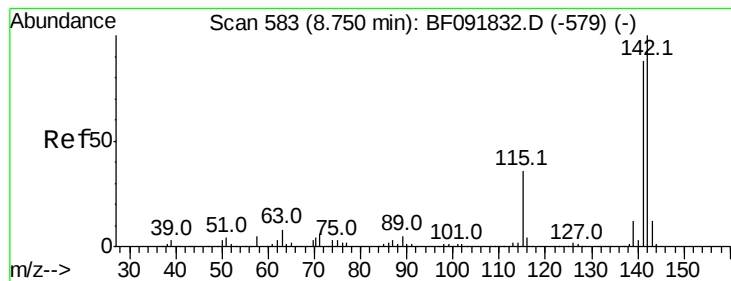
#31
Naphthalene
Concen: 1306.32 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.05 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

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#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

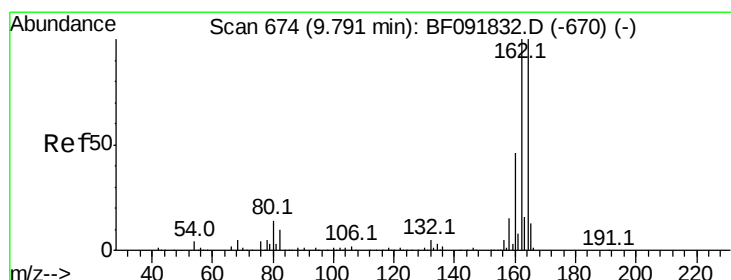
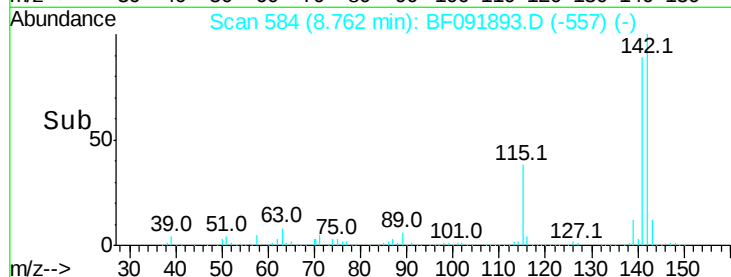
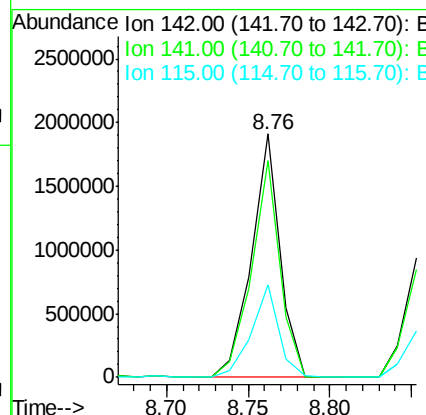
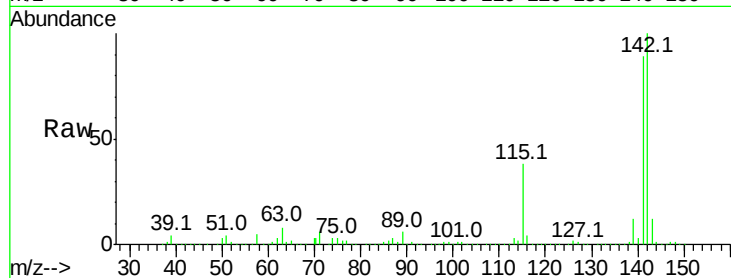




#37
2-Methylnaphthalene
Concen: Below Cal
RT: 8.76 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF091893.D
Acq: 22 Dec 2016 18:31

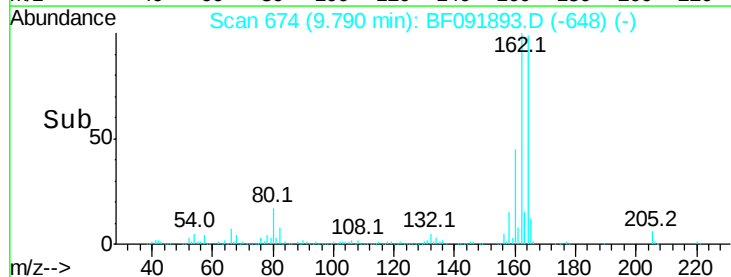
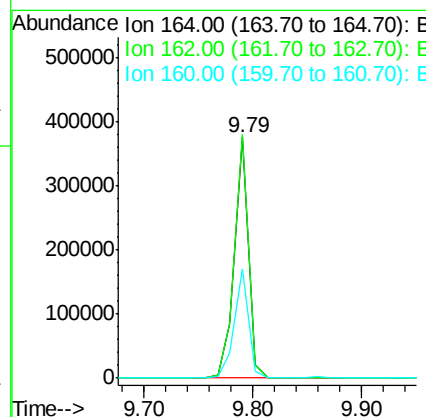
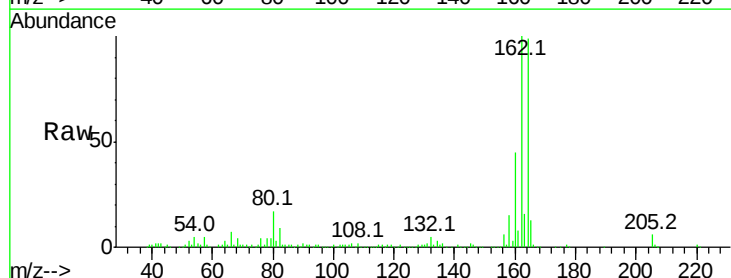
Instrument :
BNA_F
ClientSampleId :
WC-201612

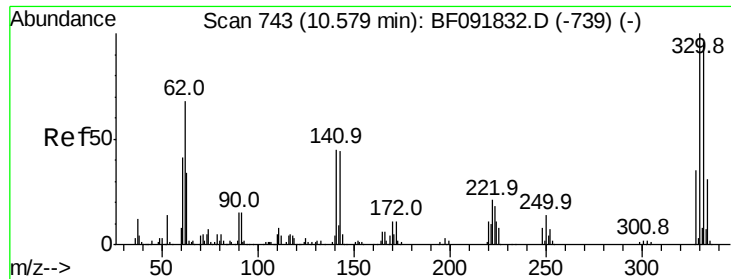
Tot Ion:142 Resp: 2316981
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.6
115 38.1 28.3 42.5



#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

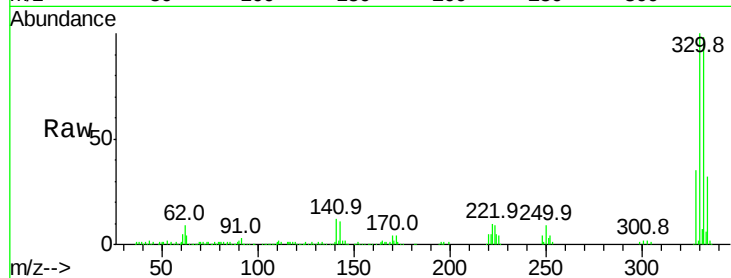




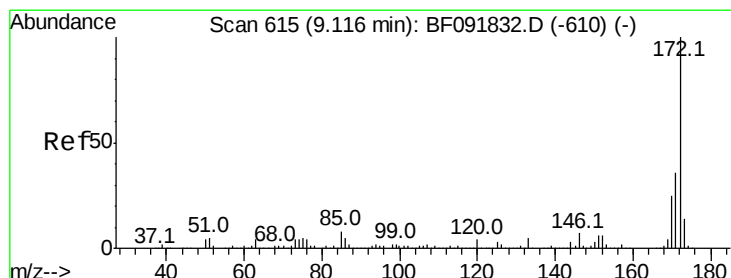
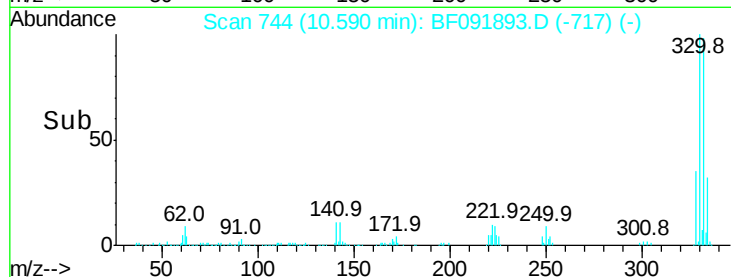
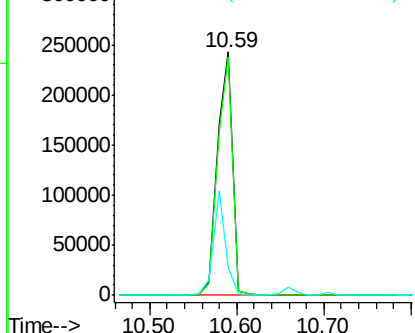
#41
 2,4,6-Tribromophenol
 Concen: 107.92 ng
 RT: 10.59 min Scan# 744
 Delta R.T. 0.01 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

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

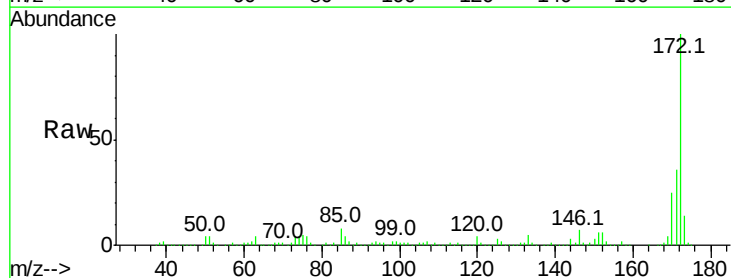


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

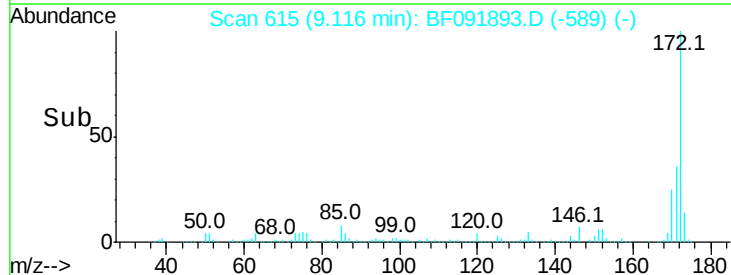
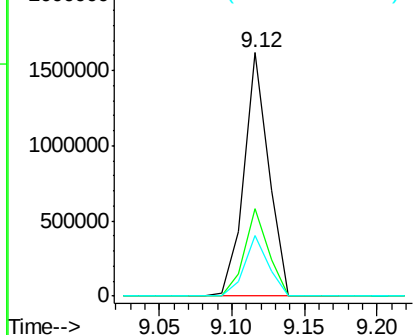


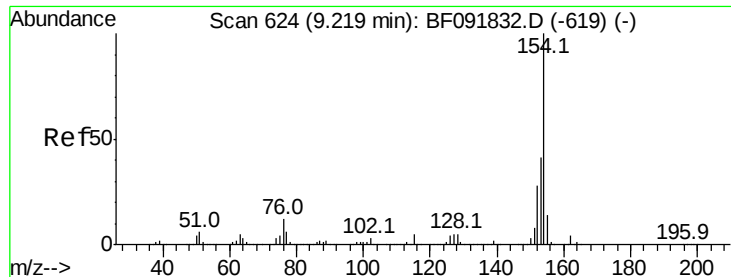
#44
 2-Fluorobiphenyl
 Concen: 121.96 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091893.D
 Acq: 22 Dec 2016 18:31

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



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





#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

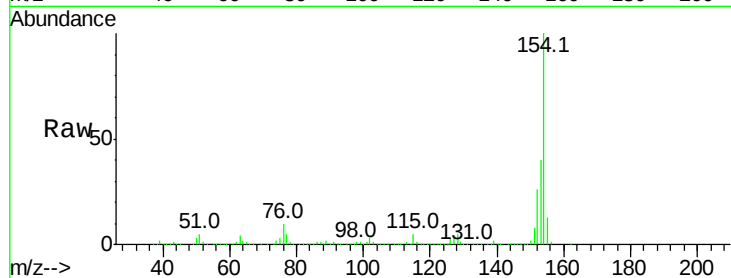
Tot Ion:154 Resp: 426315

Ion Ratio Lower Upper

154 100

153 40.3 20.9 60.9

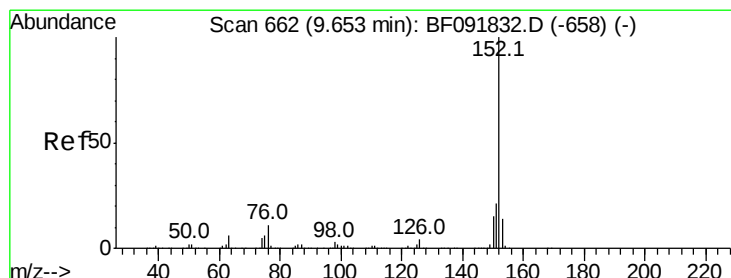
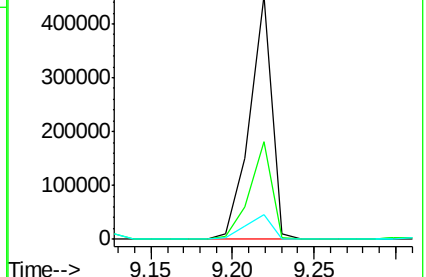
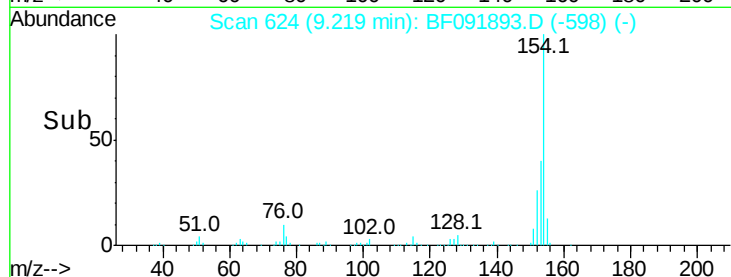
76 10.1 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#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

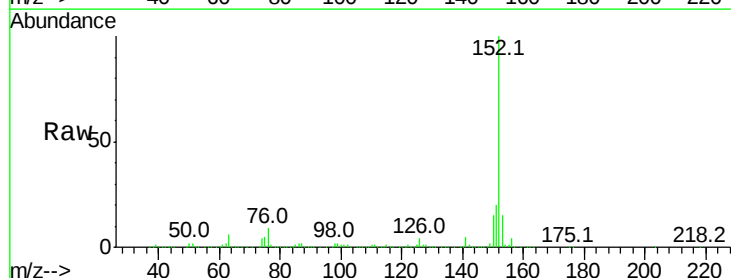
Tgt Ion:152 Resp: 875435

Ion Ratio Lower Upper

152 100

151 20.4 16.9 25.3

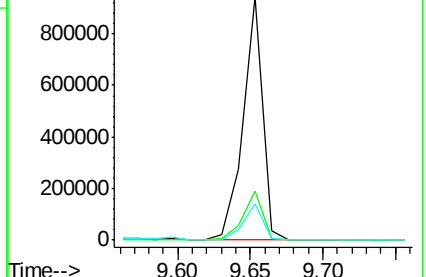
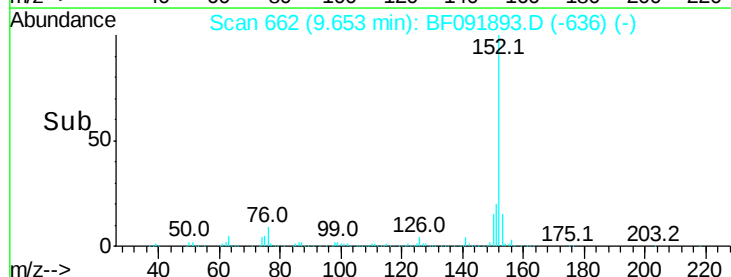
153 14.7 11.4 17.2

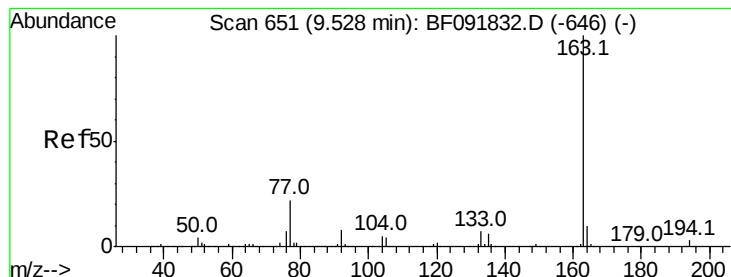


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#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

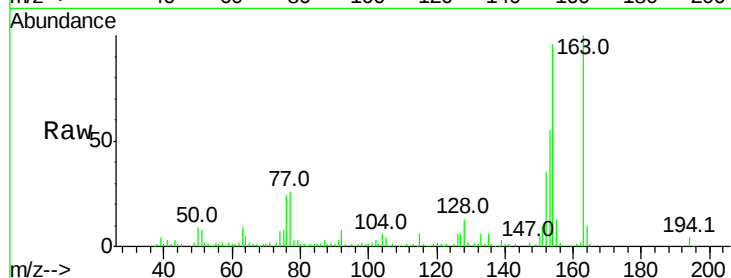
Tot Ion:163 Resp: 95151

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

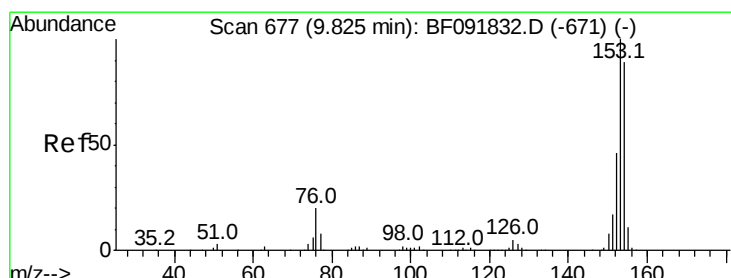
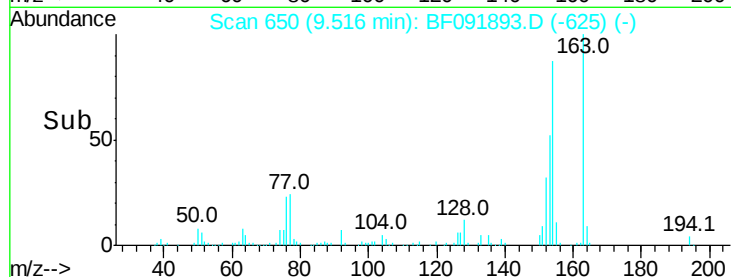
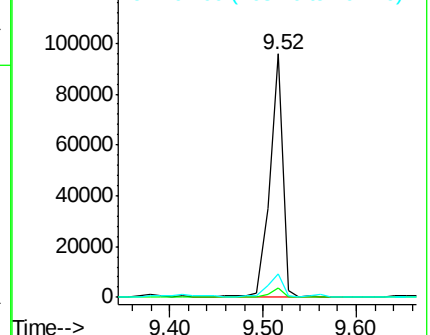
164 9.7 8.0 12.0



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

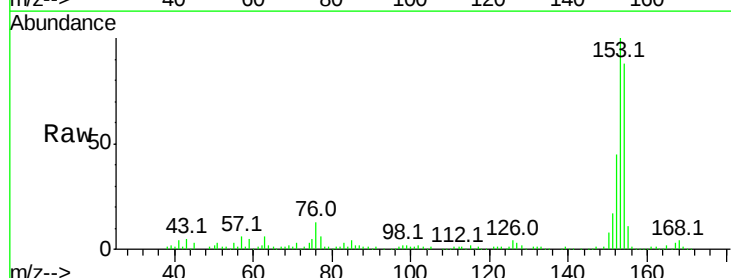
Tgt Ion:154 Resp: 166622

Ion Ratio Lower Upper

154 100

153 113.9 88.6 133.0

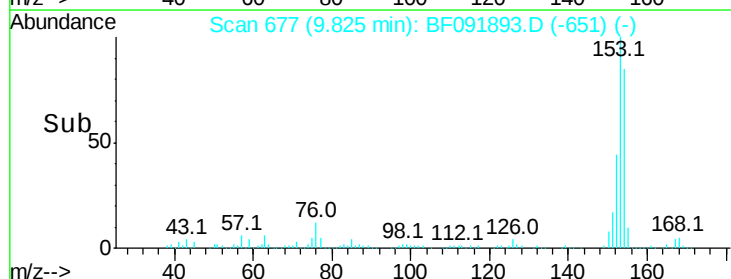
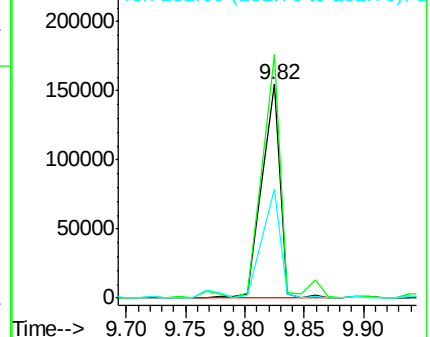
152 51.3 41.6 62.4

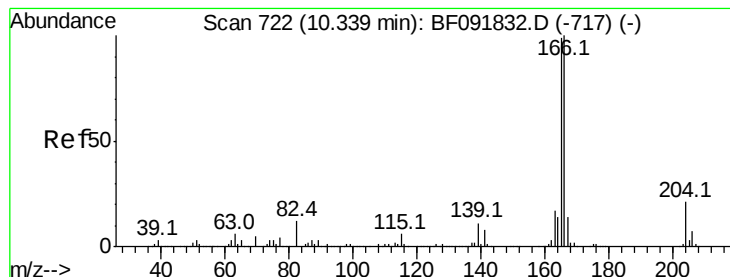


Abundance Ion 154.00 (153.70 to 154.70): E

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

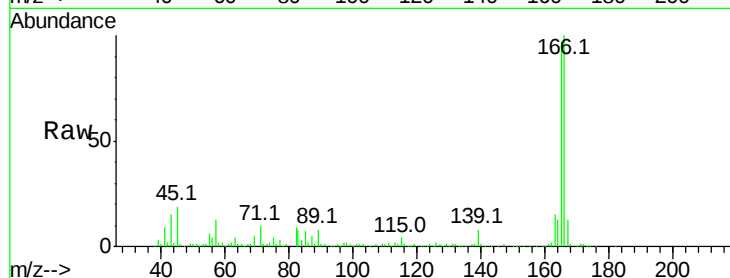
Tot Ion:166 Resp: 192232

Ion Ratio Lower Upper

166 100

165 96.6 77.8 116.8

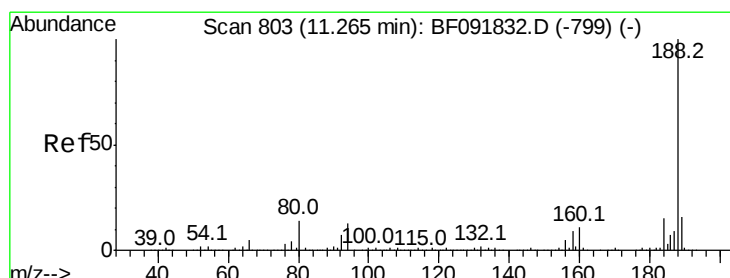
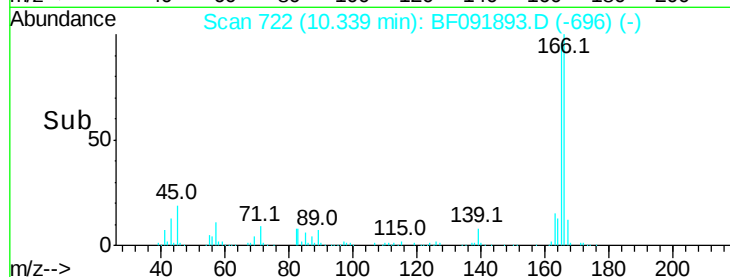
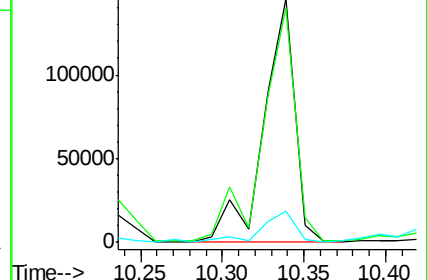
167 12.7 10.8 16.2



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: 11.26 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF091893.D

Acq: 22 Dec 2016 18:31

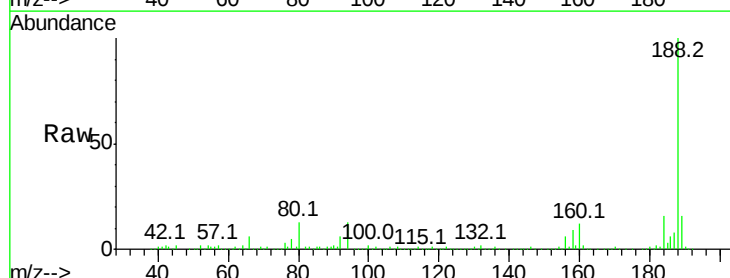
Tgt Ion:188 Resp: 404453

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

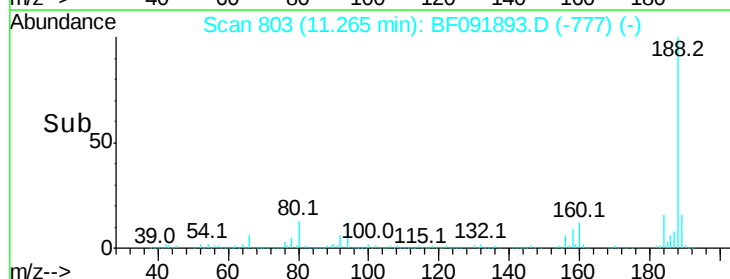
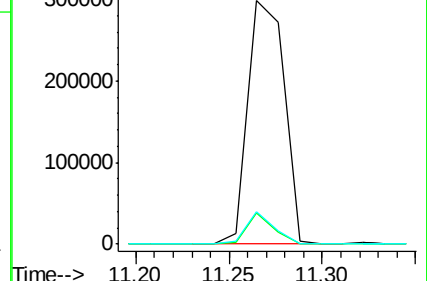
80 13.2 11.2 16.8

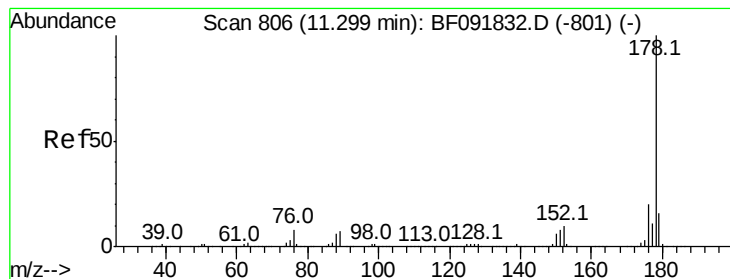


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 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

Instrument :

BNA_F

ClientSampleId :

WC-201612

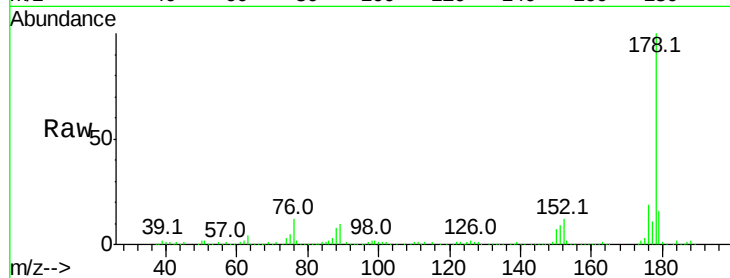
Tot Ion:178 Resp: 251582

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

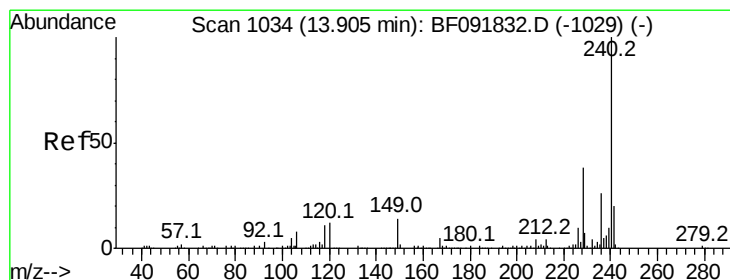
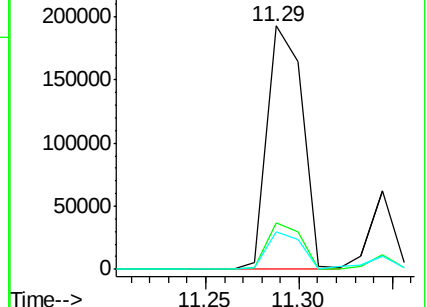
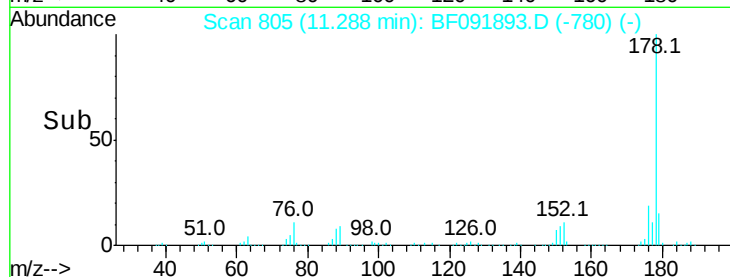
179 15.5 12.8 19.2



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



#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

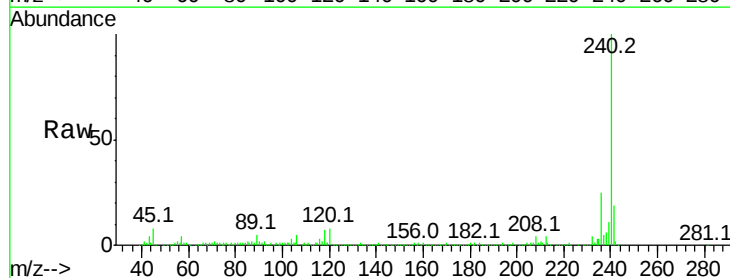
Tgt Ion:240 Resp: 302002

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

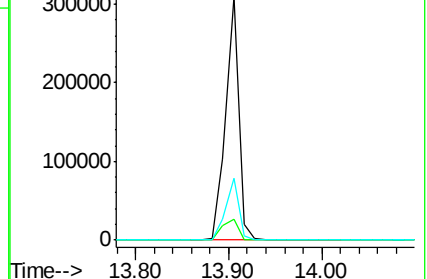
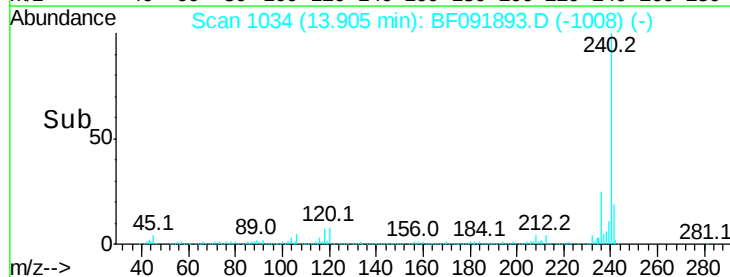
236 25.3 20.9 31.3

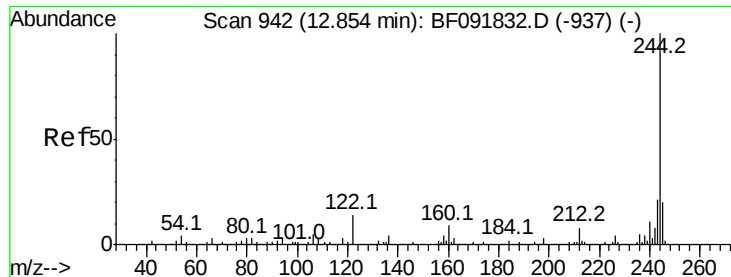


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

WC-201612

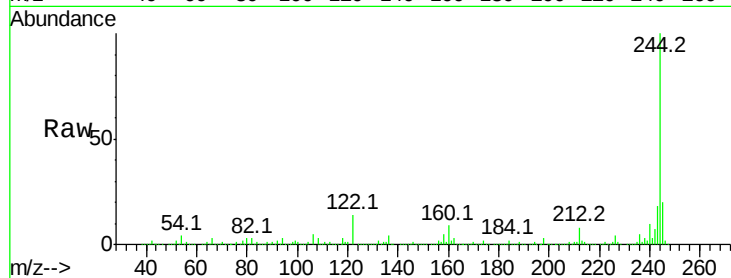
Tot Ion:244 Resp: 1012001

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

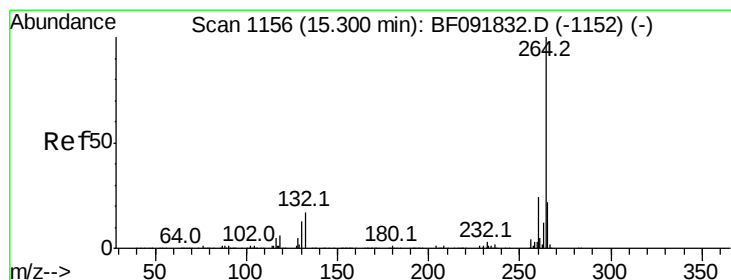
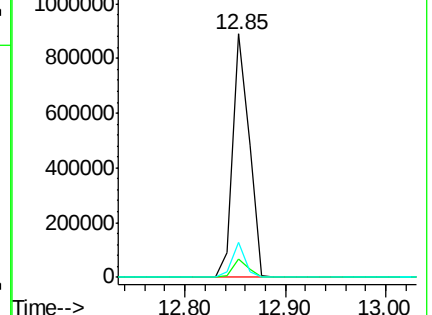
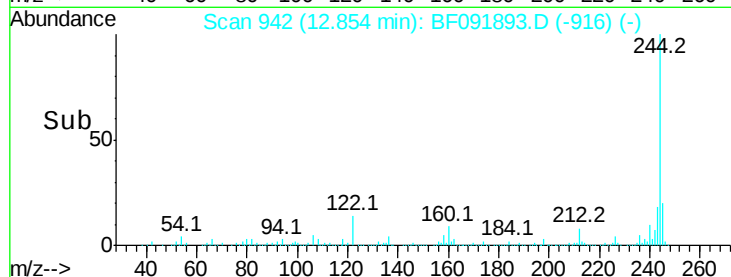
122 14.1 11.4 17.2



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

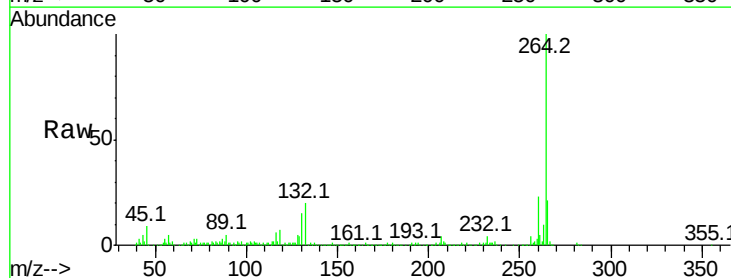
Tgt Ion:264 Resp: 263188

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.2 17.4 26.0



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

