

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
 Data File : BF091426.D
 Acq On : 5 Dec 2016 19:05
 Operator : UM/SJ
 Sample : H5838-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: Dec 06 00:35:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 00:16:00 2016
 Response via : Initial Calibration

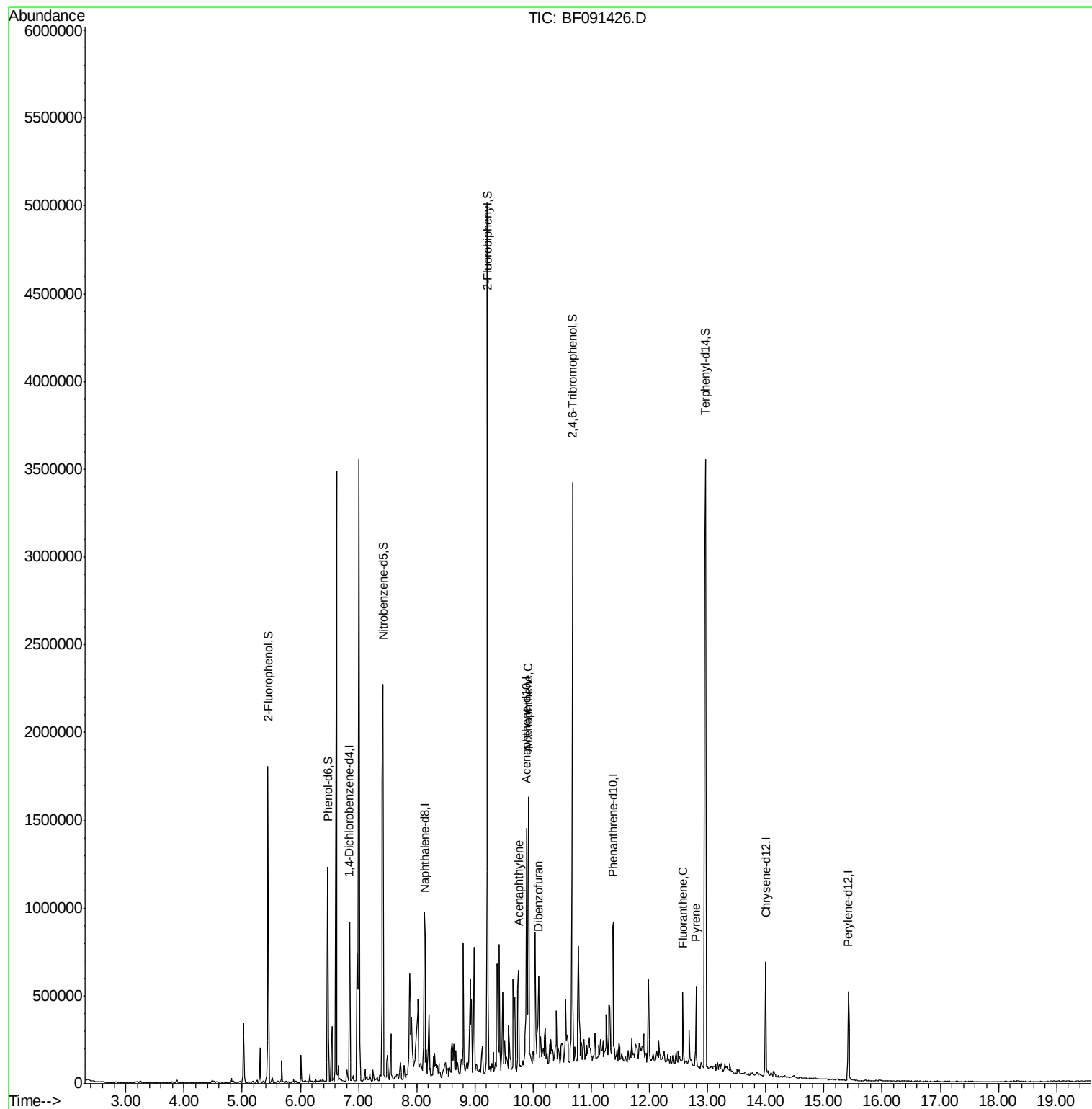
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118714	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	448608	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	281061	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	450741	20.00	ng	0.00
75) Chrysene-d12	14.00	240	322872	20.00	ng	0.00
86) Perylene-d12	15.42	264	257922	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	467258	64.30	ng	0.00
7) Phenol-d6	6.47	99	351814	39.33	ng	-0.01
23) Nitrobenzene-d5	7.42	82	899224	112.33	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	386848	145.39	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1502906	96.82	ng	0.00
78) Terphenyl-d14	12.96	244	1626672	109.50	ng	0.00
Target Compounds						
48) Acenaphthylene	9.75	152	114370	4.83	ng	Qvalue # 92
51) Acenaphthene	9.92	154	327672	20.50	ng	97
54) Dibenzofuran	10.09	168	168273	7.86	ng	92
74) Fluoranthene	12.57	202	158059	7.12	ng	99
77) Pyrene	12.80	202	185816	7.58	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: 6.85 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

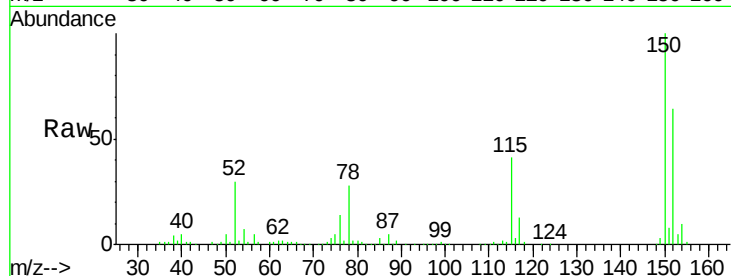
Tot Ion:152 Resp: 118714

Ion Ratio Lower Upper

152 100

150 155.9 122.5 183.7

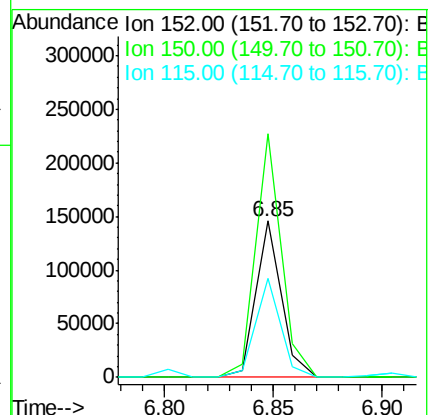
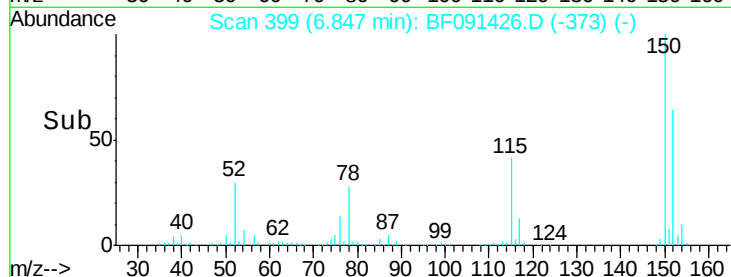
115 63.2 51.8 77.8



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: 64.30 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

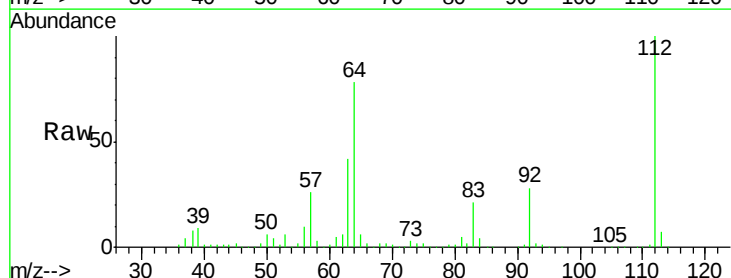
Tgt Ion:112 Resp: 467258

Ion Ratio Lower Upper

112 100

64 77.8 61.5 92.3

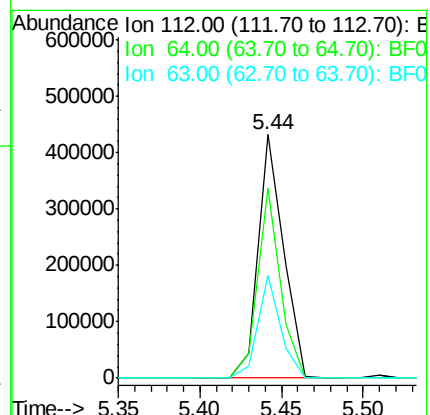
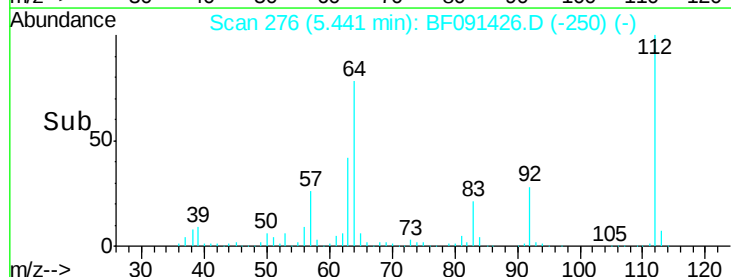
63 42.0 33.3 49.9

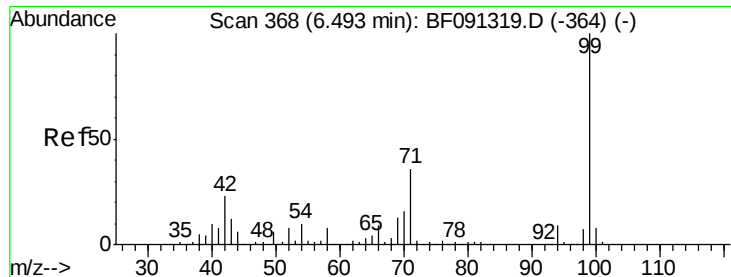


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.33 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.01 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

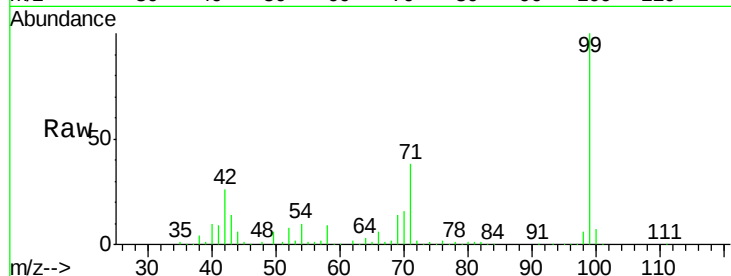
Tot Ion: 99 Resp: 351814

Ion Ratio Lower Upper

99 100

42 25.9 20.6 31.0

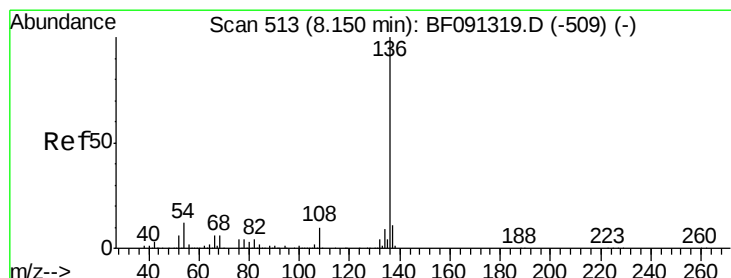
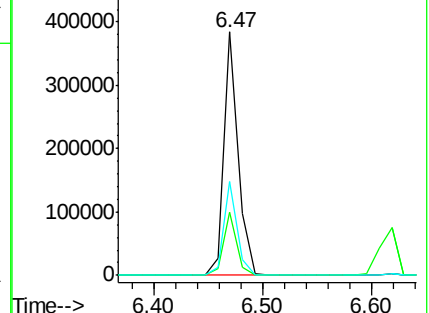
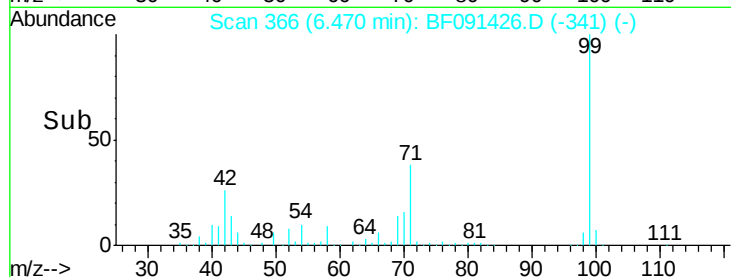
71 38.4 29.9 44.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Tgt Ion: 136 Resp: 448608

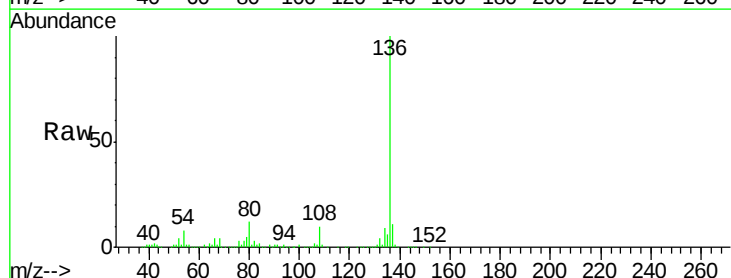
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 7.6 9.1 13.7#

68 3.6 5.9 8.9#

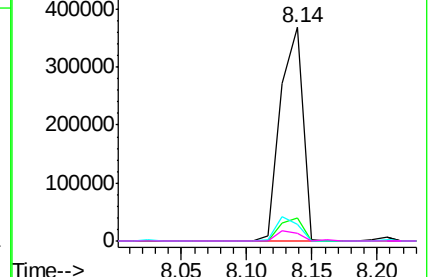
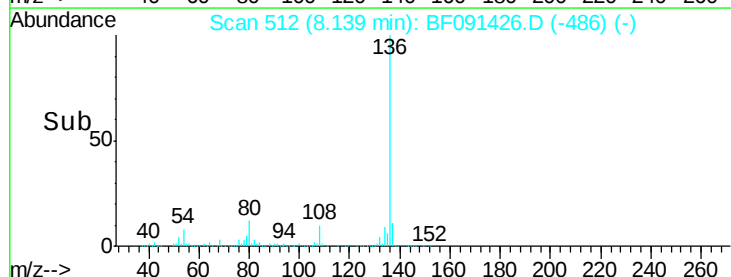


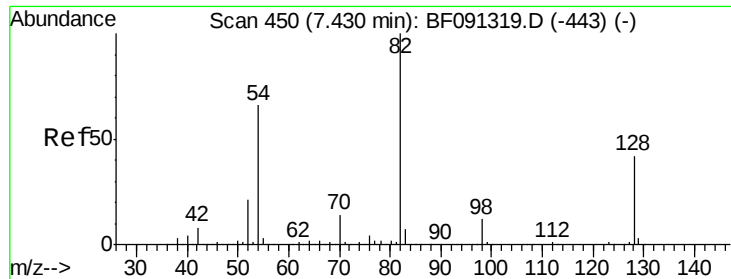
Abundance Ion 136.00 (135.70 to 136.70): E

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

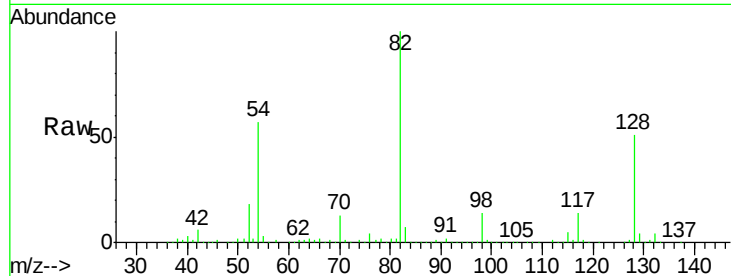




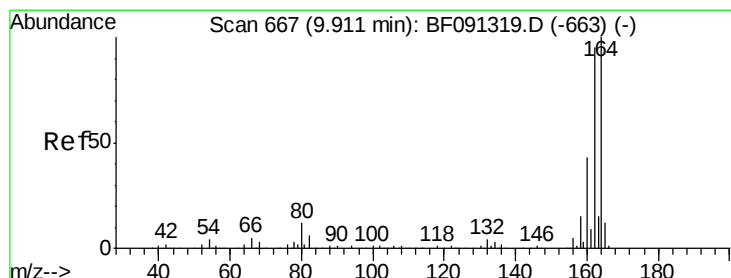
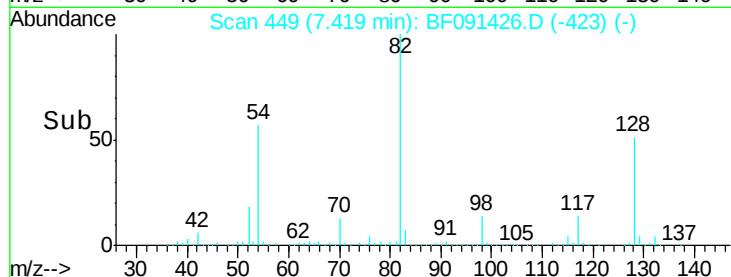
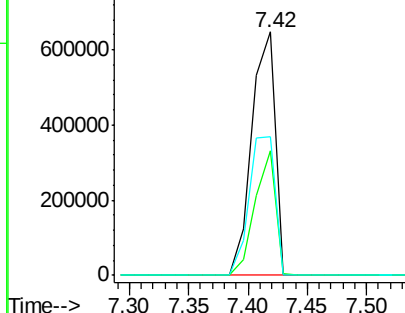
#23
Nitrobenzene-d5
Concen: 112.33 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion: 82 Resp: 899224
Ion Ratio Lower Upper
82 100
128 51.4 31.8 47.6#
54 57.0 49.1 73.7

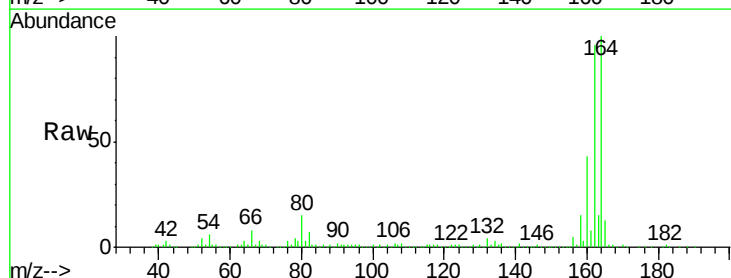


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

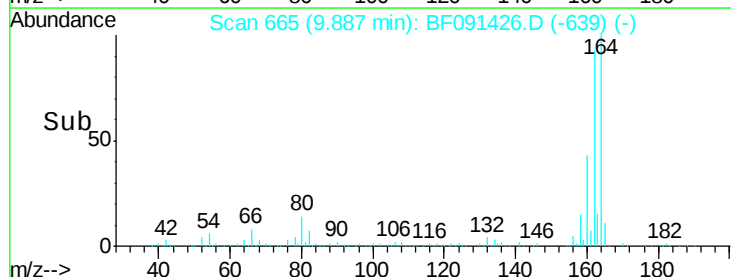
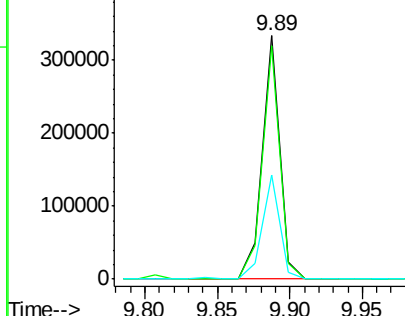


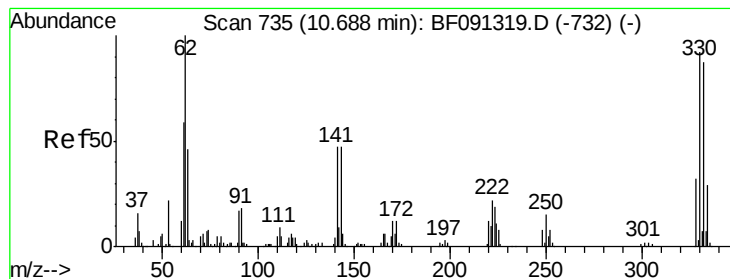
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Tgt Ion:164 Resp: 281061
Ion Ratio Lower Upper
164 100
162 95.7 82.6 124.0
160 42.6 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: 145.39 ng

RT: 10.68 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

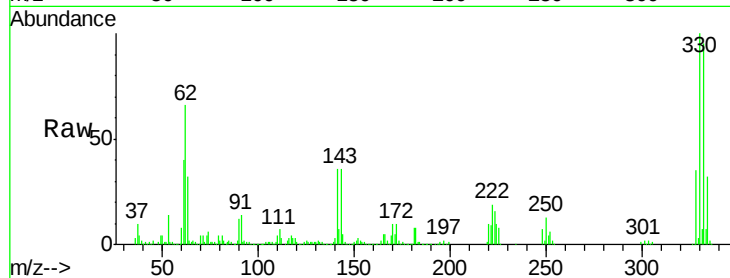
Tot Ion:330 Resp: 386848

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

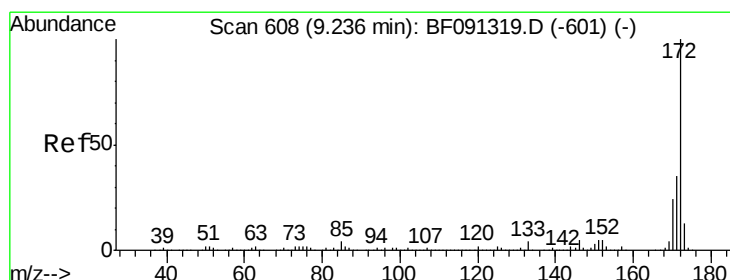
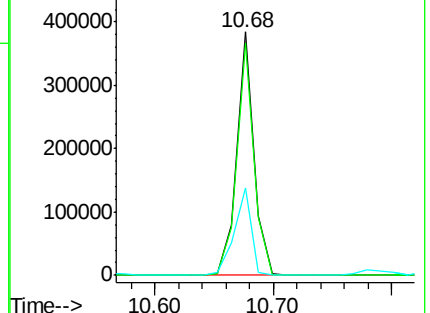
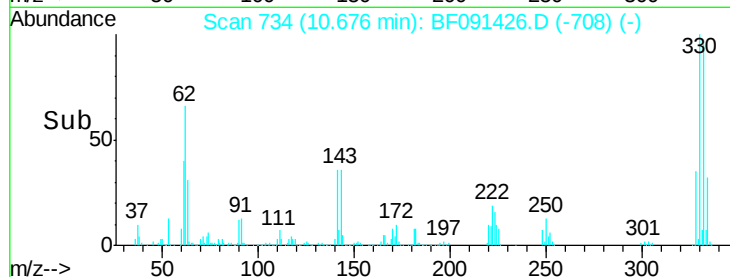
141 35.1 33.6 50.4



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: 96.82 ng

RT: 9.21 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

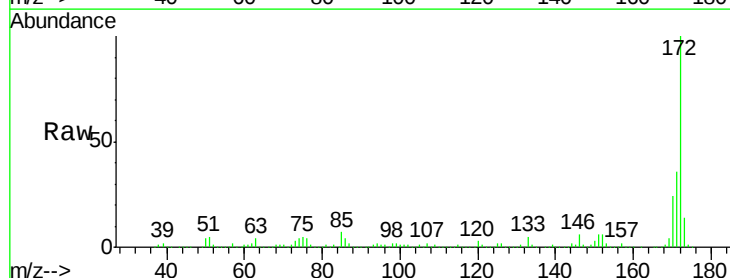
Tgt Ion:172 Resp: 1502906

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

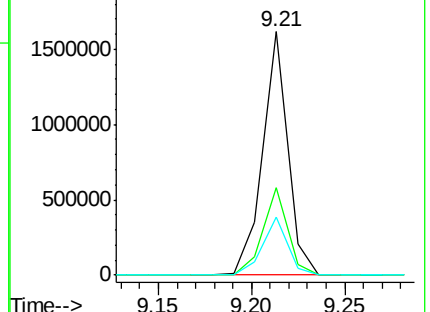
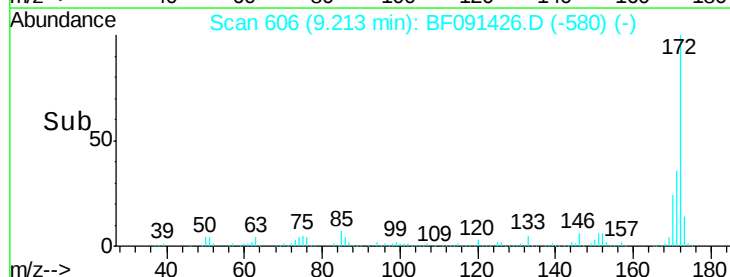
170 24.1 19.7 29.5

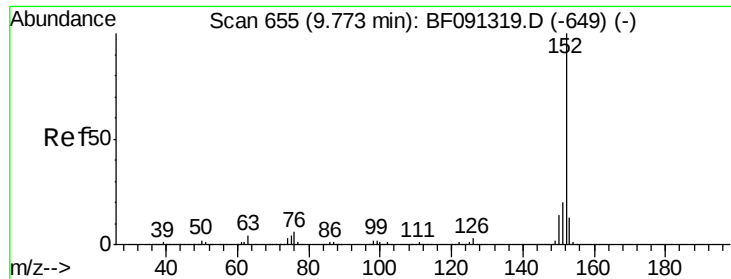


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 4.83 ng

RT: 9.75 min Scan# 653

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

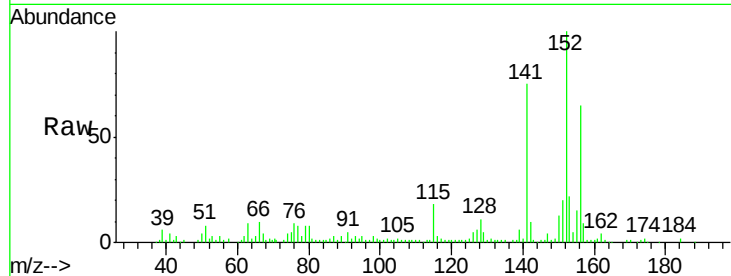
Tot Ion:152 Resp: 114370

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

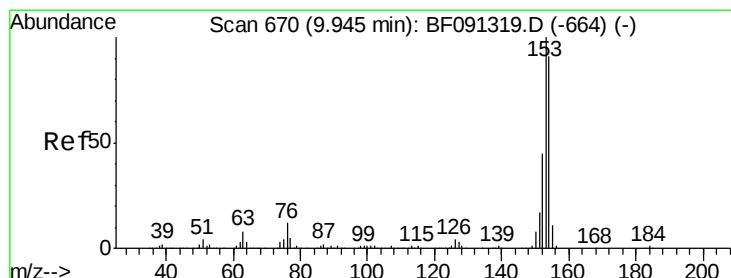
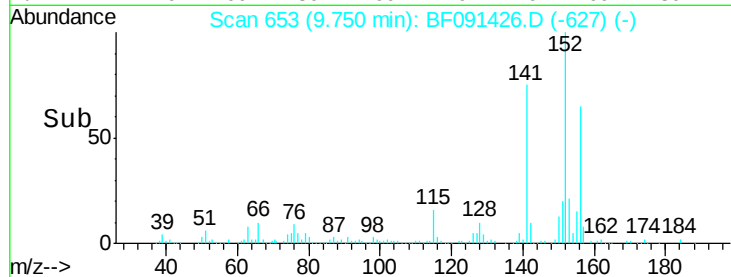
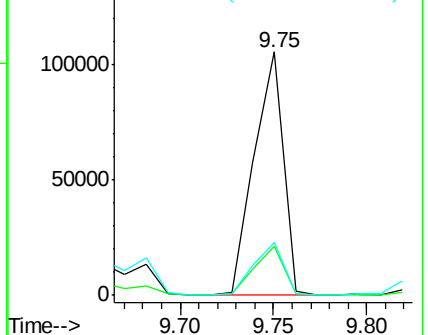
153 21.6 10.7 16.1#



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



#51

Acenaphthene

Concen: 20.50 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

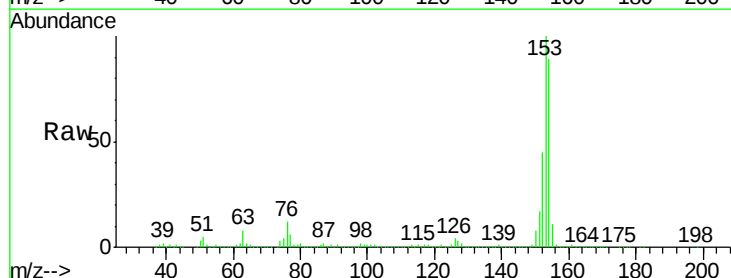
Tgt Ion:154 Resp: 327672

Ion Ratio Lower Upper

154 100

153 112.9 91.0 136.6

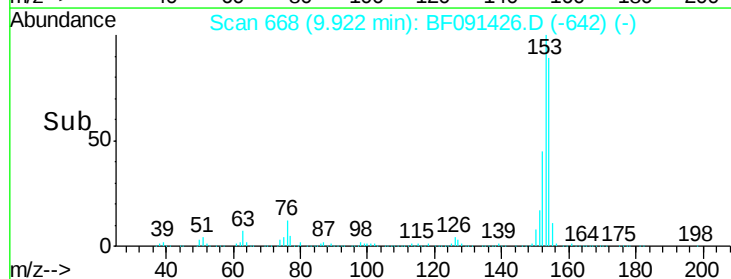
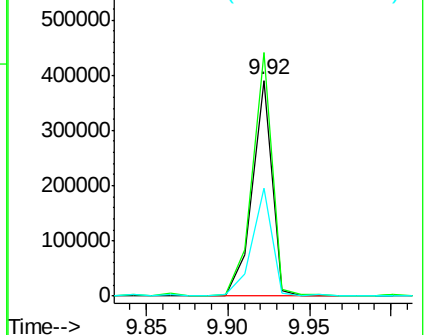
152 50.3 44.2 66.2

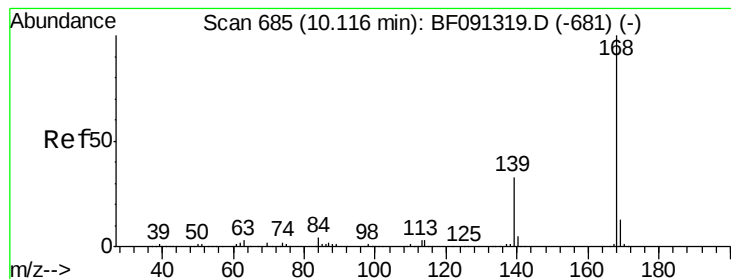


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 7.86 ng

RT: 10.09 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampled :

MW-14

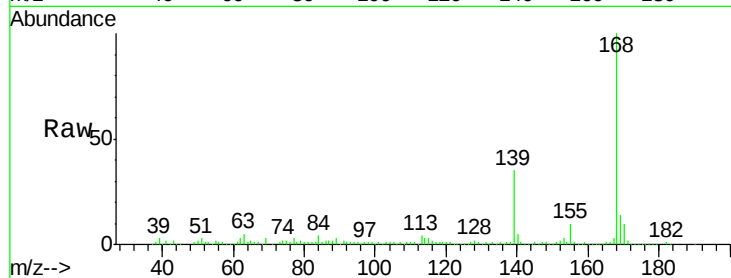
Tot Ion:168 Resp: 168273

Ion Ratio Lower Upper

168 100

139 35.2 33.4 50.2

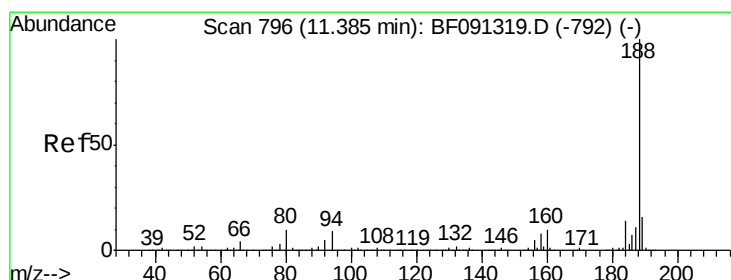
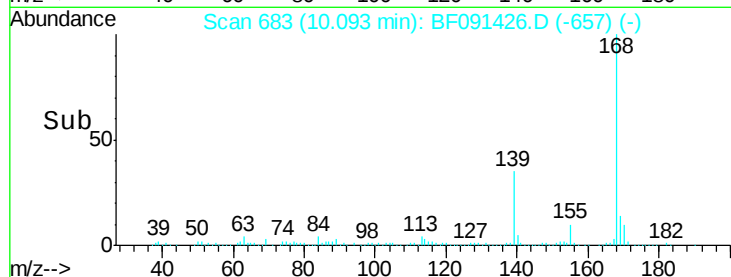
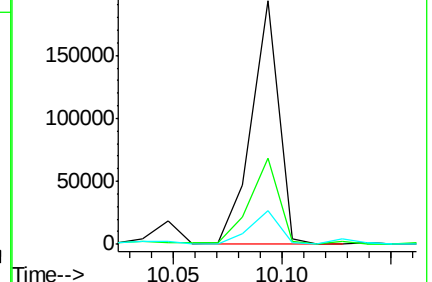
169 14.1 11.1 16.7



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

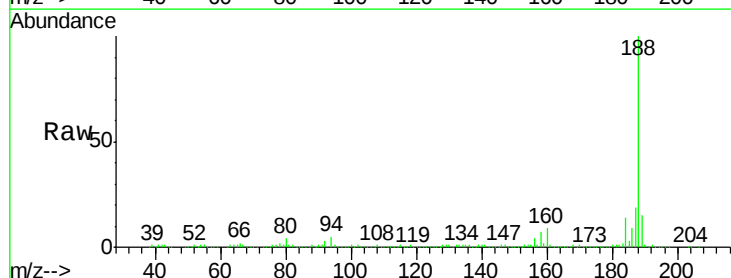
Tgt Ion:188 Resp: 450741

Ion Ratio Lower Upper

188 100

94 4.8 9.2 13.8#

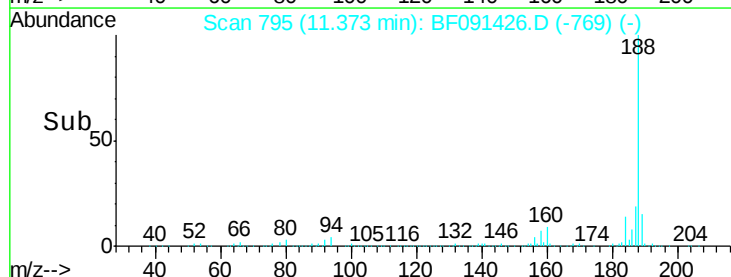
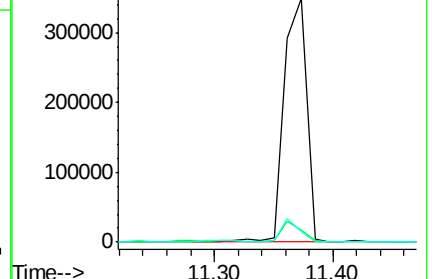
80 4.5 10.5 15.7#

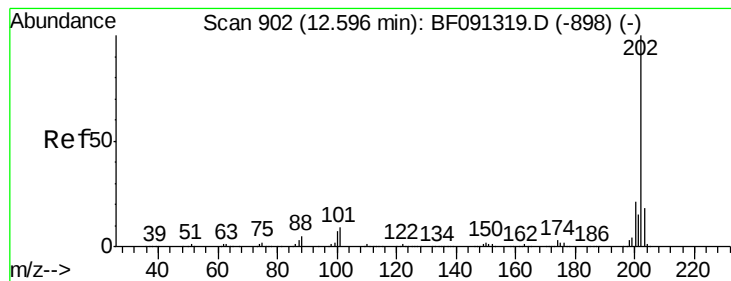


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 7.12 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampled :

MW-14

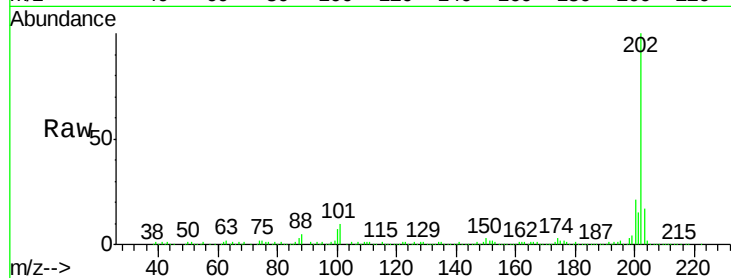
Tot Ion:202 Resp: 158059

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.5

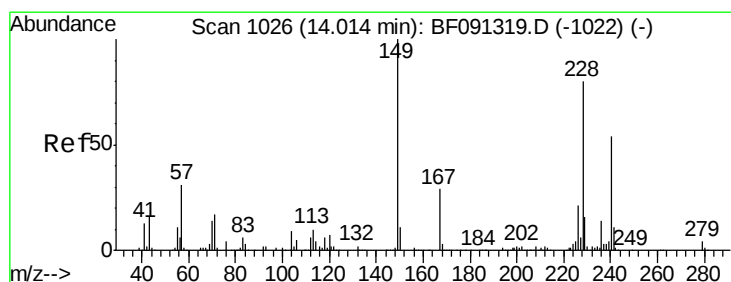
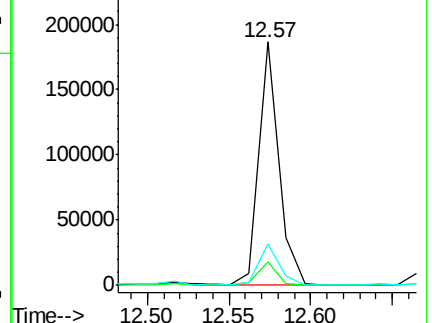
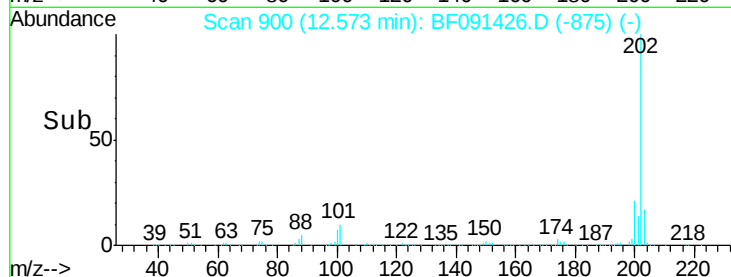
203 17.1 0.0 37.8



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: 14.00 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

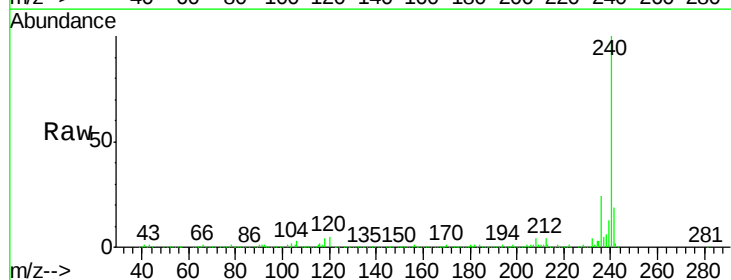
Tgt Ion:240 Resp: 322872

Ion Ratio Lower Upper

240 100

120 4.8 12.1 18.1#

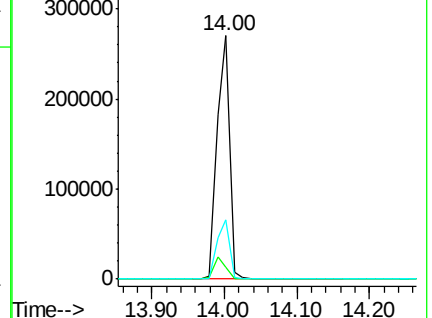
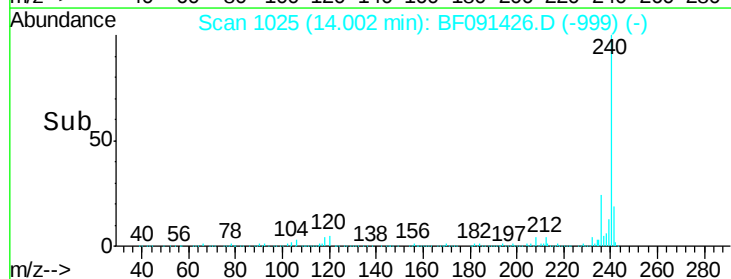
236 24.2 21.0 31.6

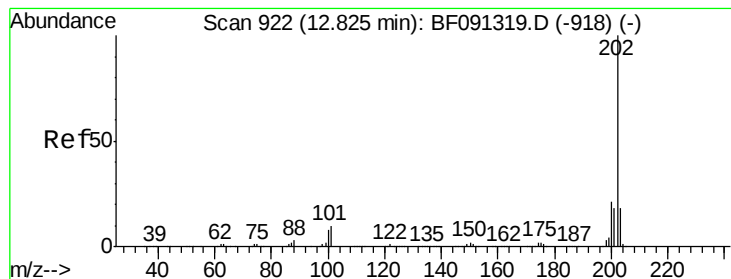


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.58 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

Instrument :

BNA_F

ClientSampleId :

MW-14

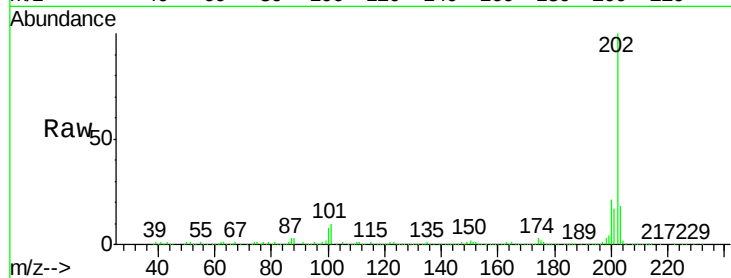
Tot Ion:202 Resp: 185816

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

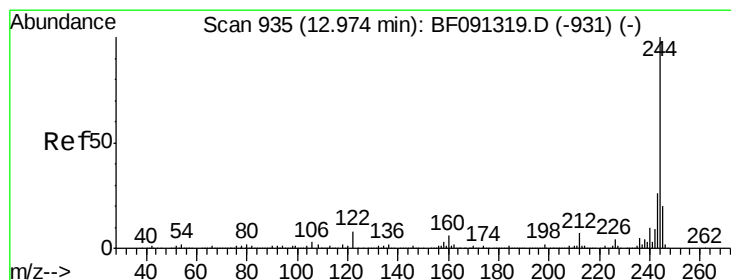
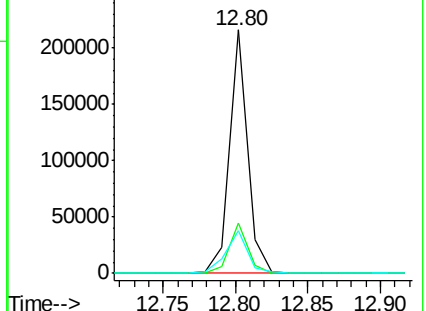
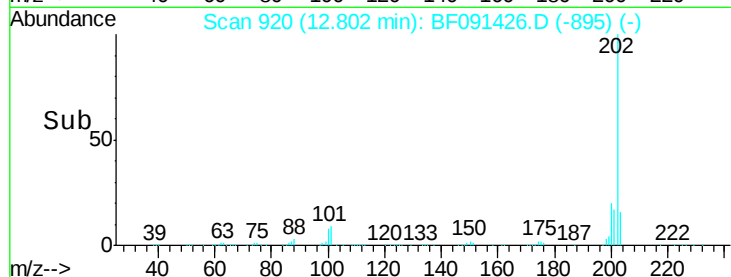
203 17.6 14.0 21.0



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: 109.50 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF091426.D

Acq: 5 Dec 2016 19:05

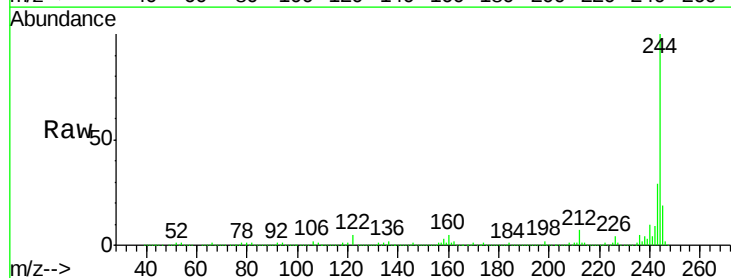
Tgt Ion:244 Resp: 1626672

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

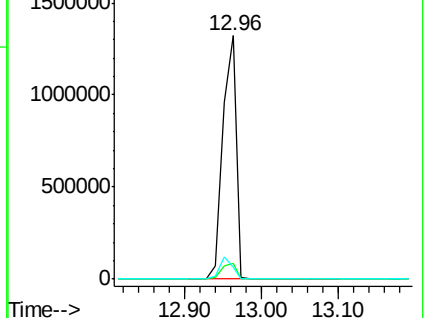
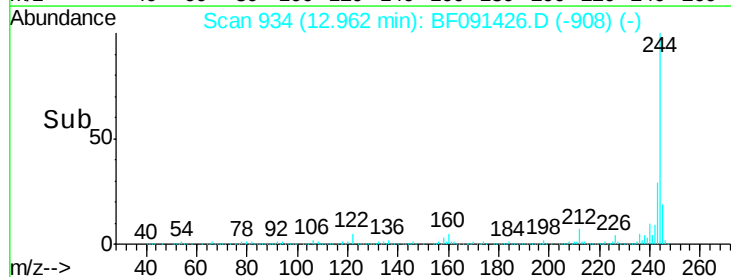
122 5.0 9.5 14.3#

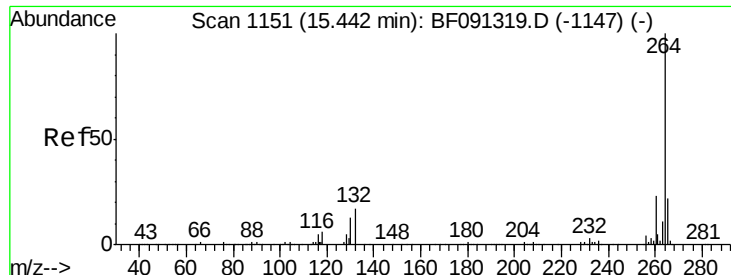


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



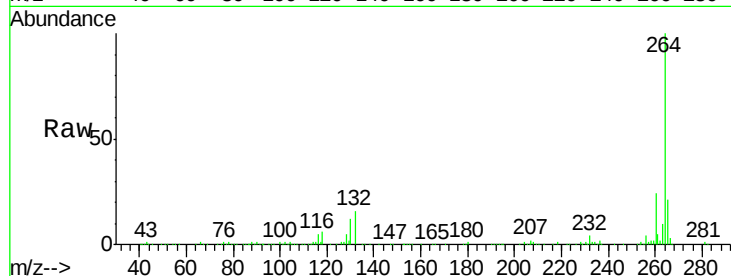


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091426.D
Acq: 5 Dec 2016 19:05

Instrument :
BNA_F
ClientSampleId :
MW-14

Tot Ion:264 Resp: 257922

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.2	17.0	25.6



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

