

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120516\
 Data File : BF091425.D
 Acq On : 5 Dec 2016 18:37
 Operator : UM/SJ
 Sample : H5838-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Quant Time: Dec 06 00:33:13 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

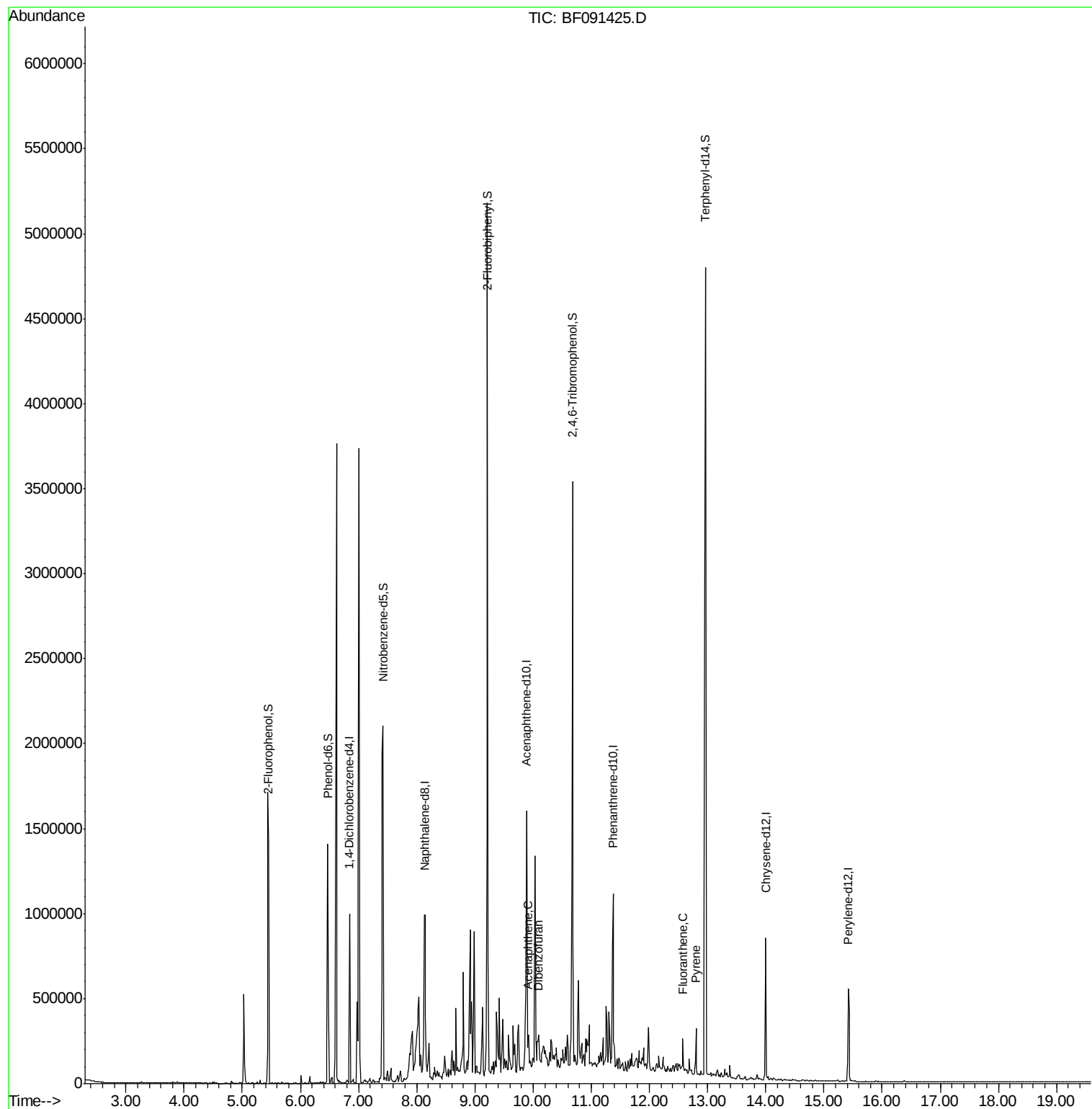
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	130041	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	488051	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	319053	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	514422	20.00	ng	0.00
75) Chrysene-d12	14.00	240	406181	20.00	ng	0.00
86) Perylene-d12	15.42	264	305353	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	611875	76.87	ng	0.01
7) Phenol-d6	6.47	99	447112	45.63	ng	-0.01
23) Nitrobenzene-d5	7.42	82	994624	114.21	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	467191	154.67	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1690834	95.96	ng	0.00
78) Terphenyl-d14	12.96	244	1913240	102.38	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.92	154	58229	3.21	ng	96
54) Dibenzofuran	10.09	168	50924	2.10	ng	90
74) Fluoranthene	12.57	202	73092	2.89	ng	99
77) Pyrene	12.80	202	114443	3.71	ng	96

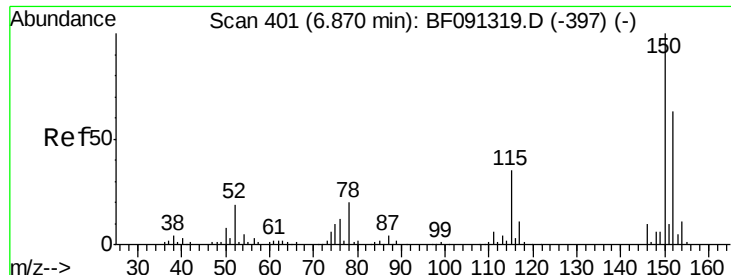
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.00 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

Instrument :

BNA_F

ClientSampleId :

MW-13

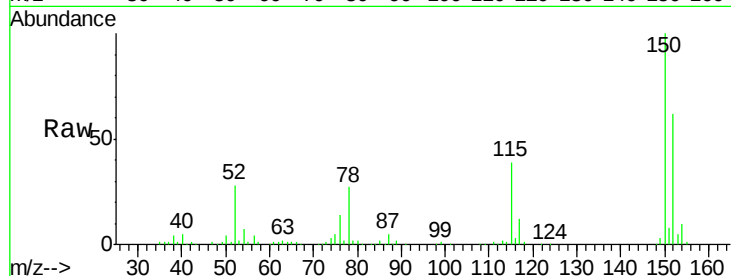
Tot Ion:152 Resp: 130041

Ion Ratio Lower Upper

152 100

150 160.3 122.5 183.7

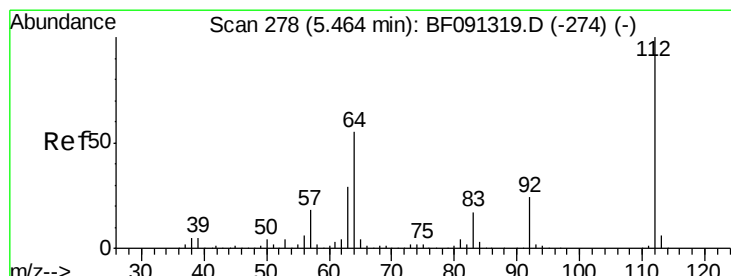
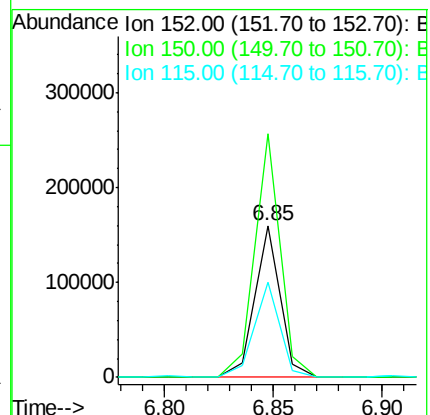
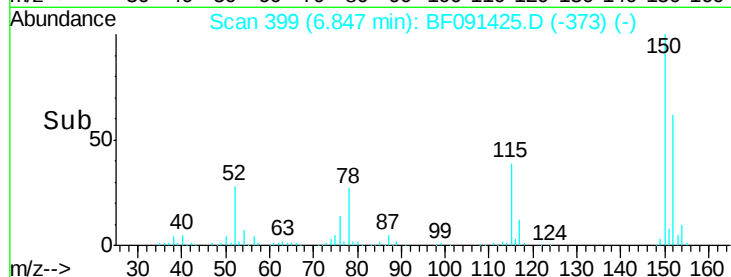
115 63.0 51.8 77.8



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: 76.87 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.01 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

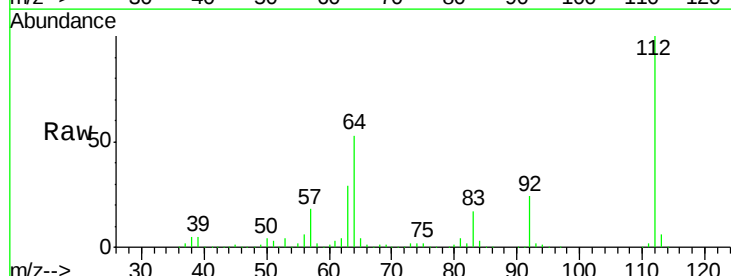
Tgt Ion:112 Resp: 611875

Ion Ratio Lower Upper

112 100

64 53.5 61.5 92.3#

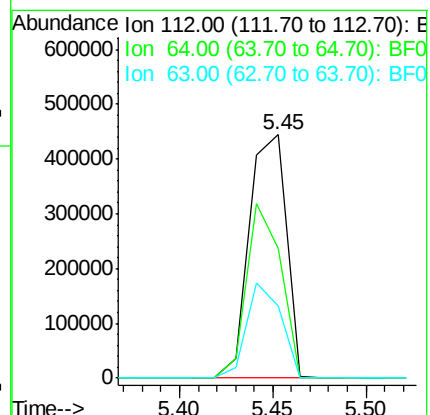
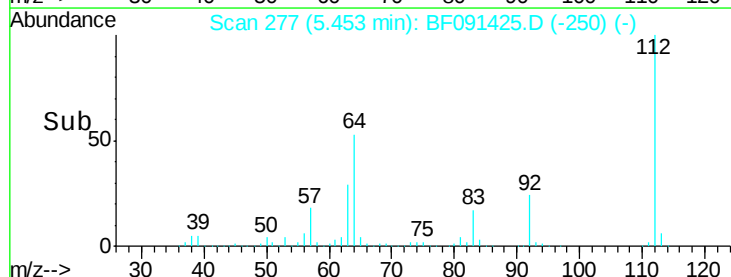
63 29.4 33.3 49.9#

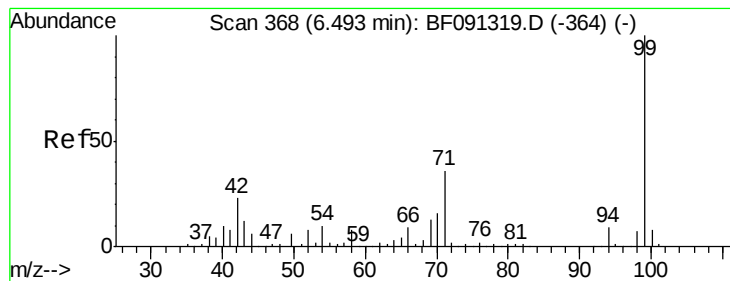


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.63 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.01 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

Instrument :

BNA_F

ClientSampleId :

MW-13

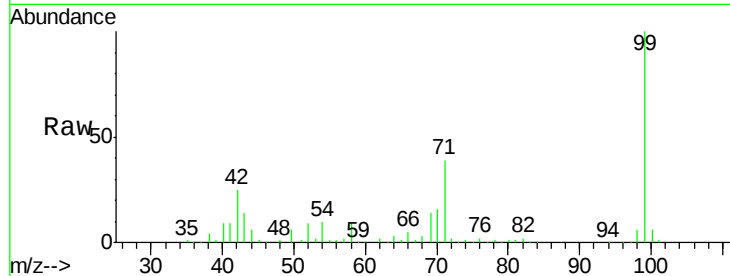
Tot Ion: 99 Resp: 447112

Ion Ratio Lower Upper

99 100

42 25.3 20.6 31.0

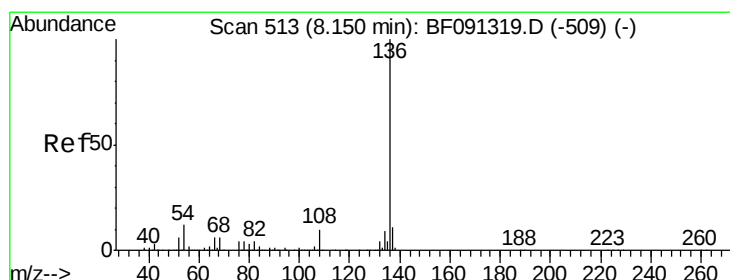
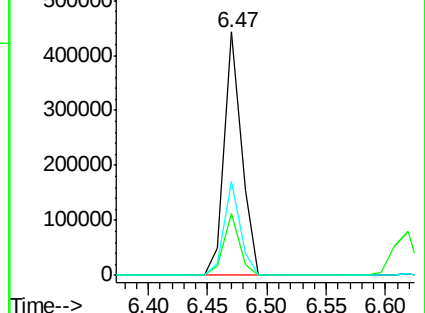
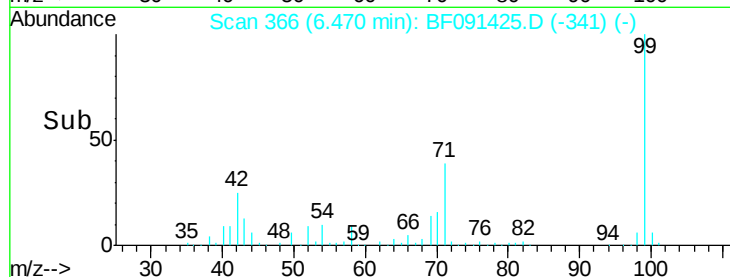
71 38.7 29.9 44.9



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: BF091425.D

Acq: 5 Dec 2016 18:37

Tgt Ion: 136 Resp: 488051

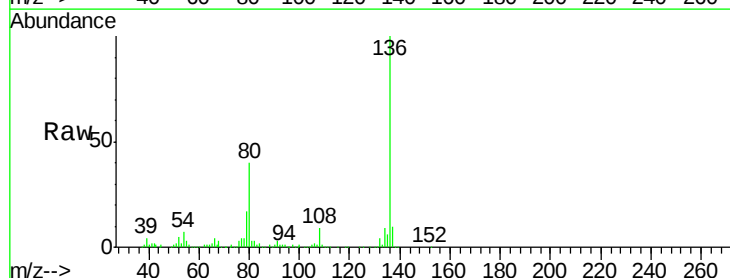
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 7.1 9.1 13.7#

68 3.5 5.9 8.9#

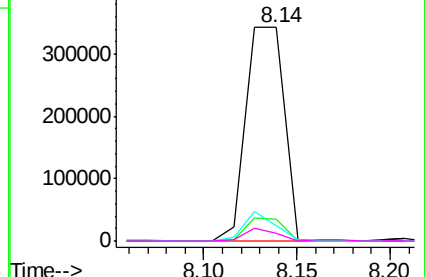
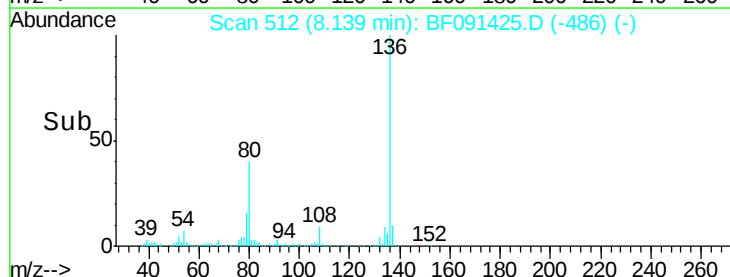


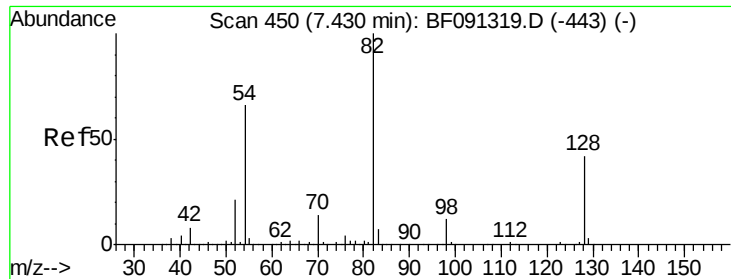
Abundance Ion 136.00 (135.70 to 136.70): E

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

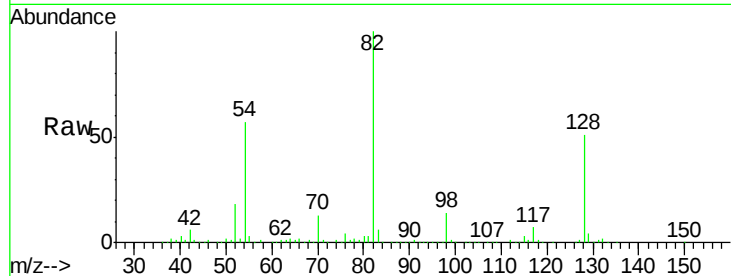




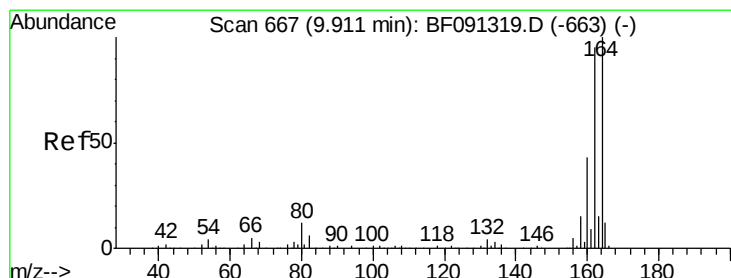
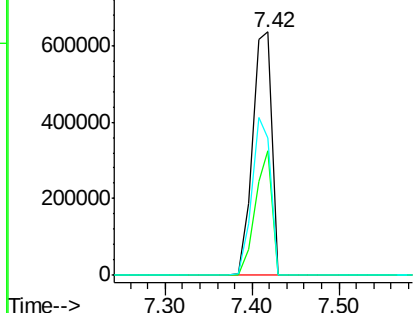
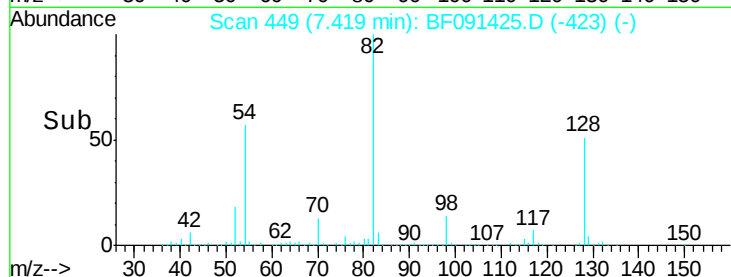
#23
Nitrobenzene-d5
Concen: 114.21 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF091425.D
Acq: 5 Dec 2016 18:37

Instrument :
BNA_F
ClientSampleId :
MW-13

Tot Ion: 82 Resp: 994624
Ion Ratio Lower Upper
82 100
128 51.2 31.8 47.6#
54 56.6 49.1 73.7

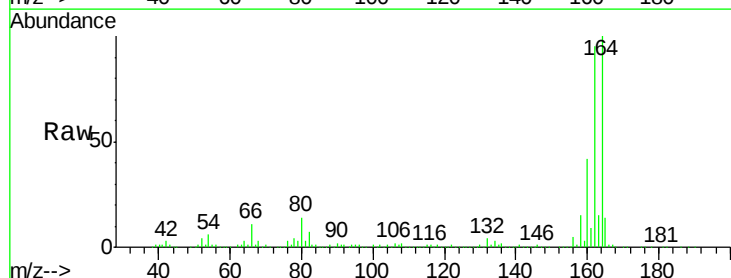


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

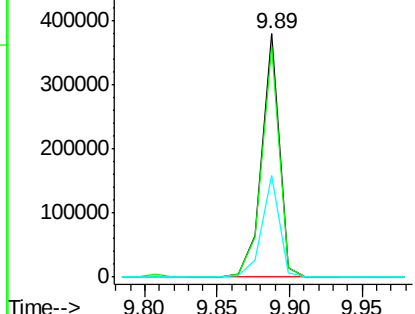
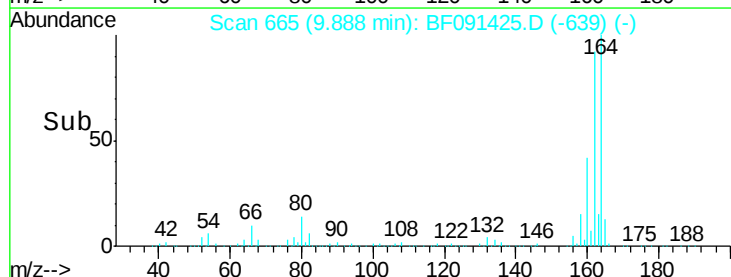


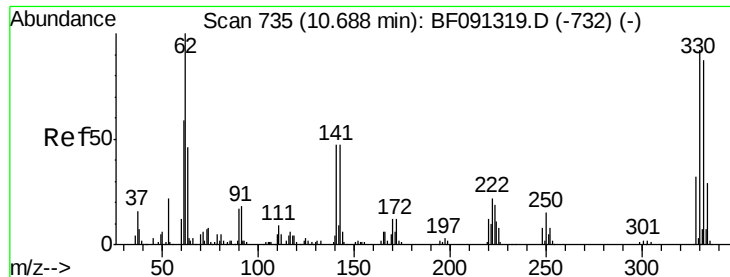
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF091425.D
Acq: 5 Dec 2016 18:37

Tgt Ion:164 Resp: 319053
Ion Ratio Lower Upper
164 100
162 94.7 82.6 124.0
160 42.0 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

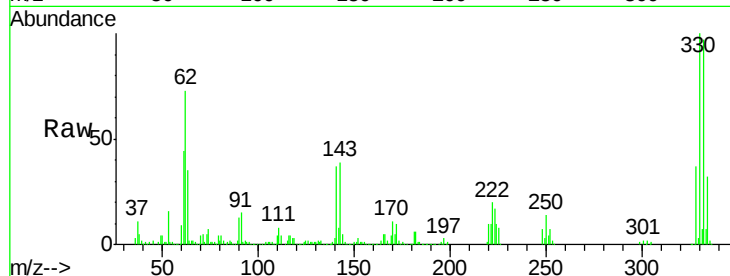




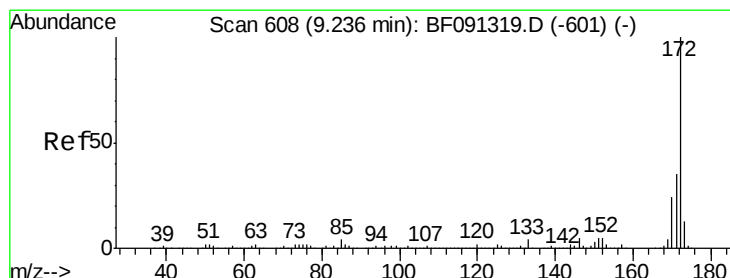
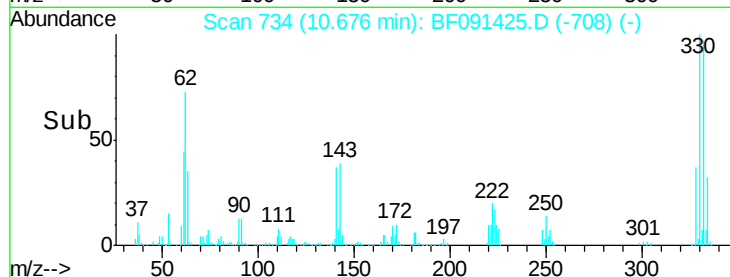
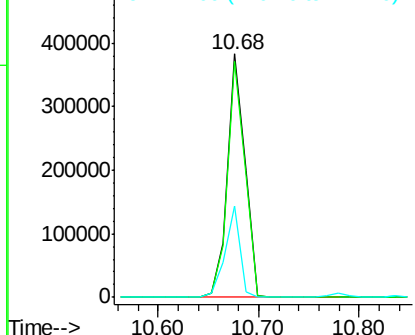
#41
 2,4,6-Tribromophenol
 Concen: 154.67 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: BF091425.D
 Acq: 5 Dec 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Tot Ion:330 Resp: 467191
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 31.0 33.6 50.4#

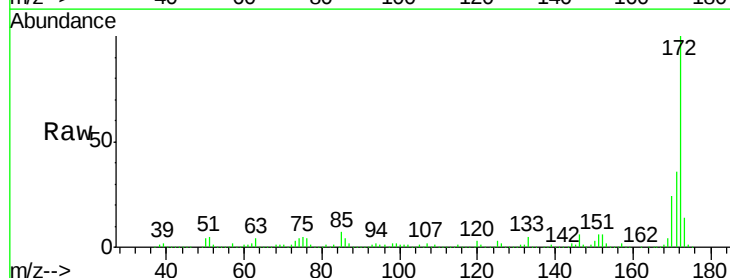


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

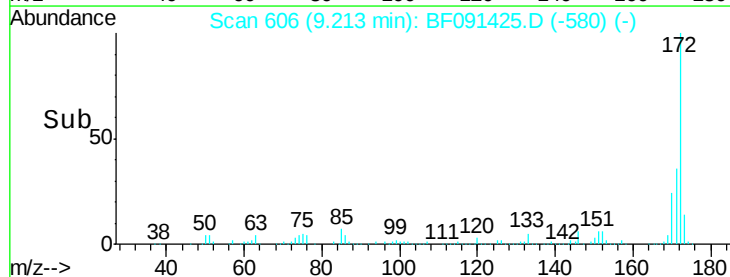
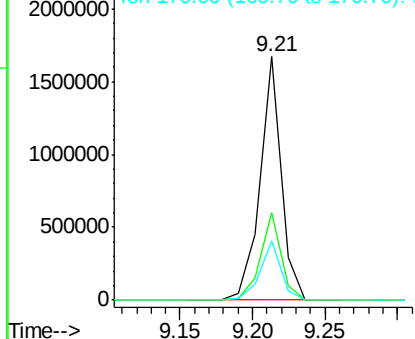


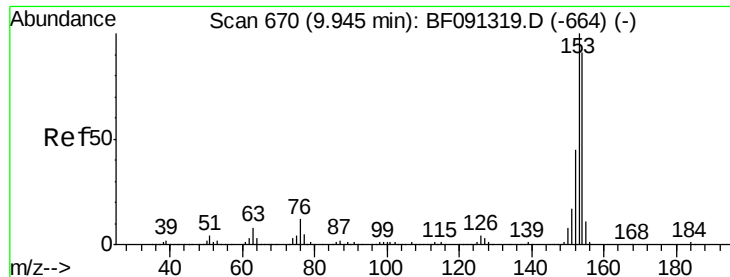
#44
 2-Fluorobiphenyl
 Concen: 95.96 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF091425.D
 Acq: 5 Dec 2016 18:37

Tgt Ion:172 Resp: 1690834
 Ion Ratio Lower Upper
 172 100
 171 36.0 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





#51

Acenaphthene

Concen: 3.21 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

Instrument :

BNA_F

ClientSampleId :

MW-13

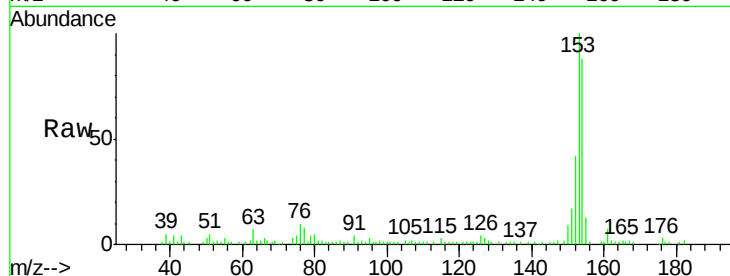
Tot Ion:154 Resp: 58229

Ion Ratio Lower Upper

154 100

153 113.1 91.0 136.6

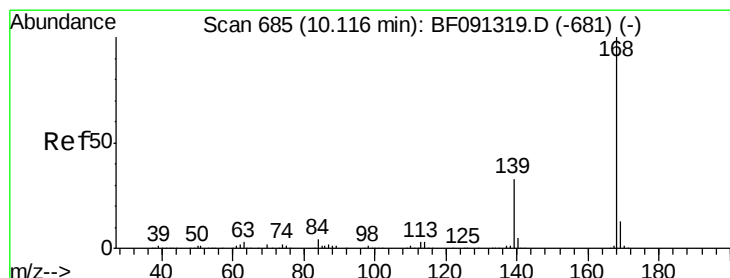
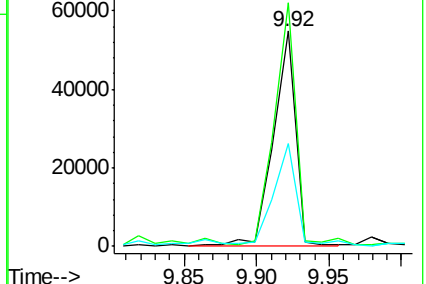
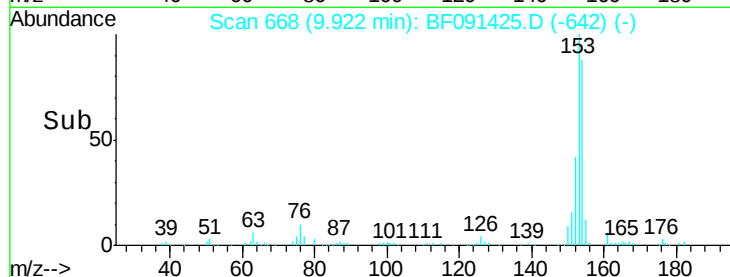
152 47.9 44.2 66.2



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

Dibenzofuran

Concen: 2.10 ng

RT: 10.09 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

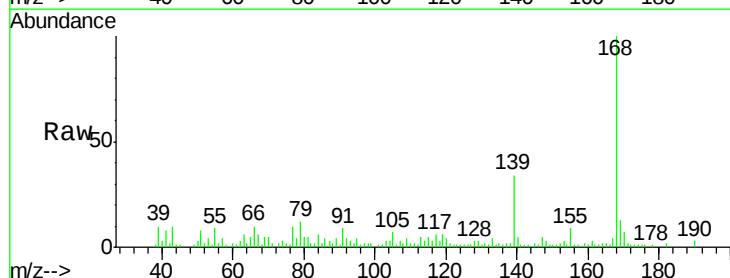
Tgt Ion:168 Resp: 50924

Ion Ratio Lower Upper

168 100

139 33.6 33.4 50.2

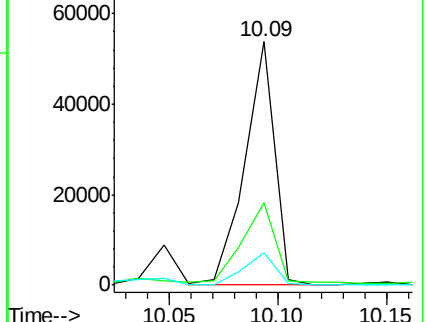
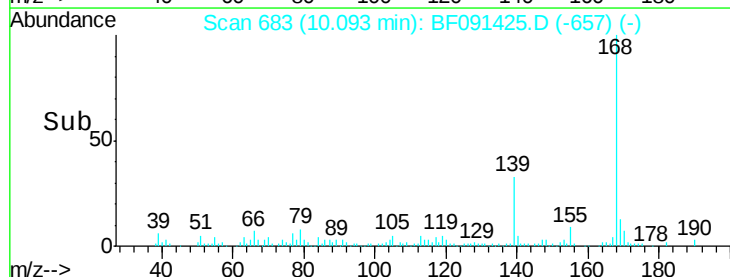
169 13.2 11.1 16.7

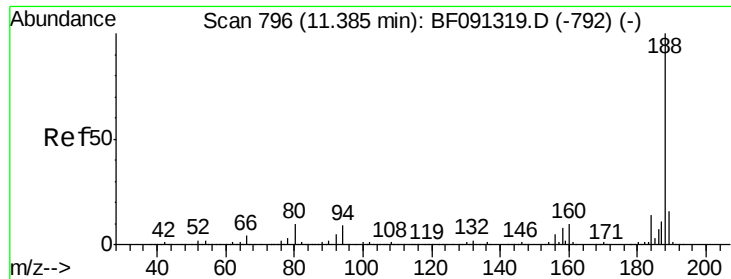


Abundance Ion 168.00 (167.70 to 168.70): E

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: BF091425.D

Acq: 5 Dec 2016 18:37

Instrument :

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ClientSampleId :

MW-13

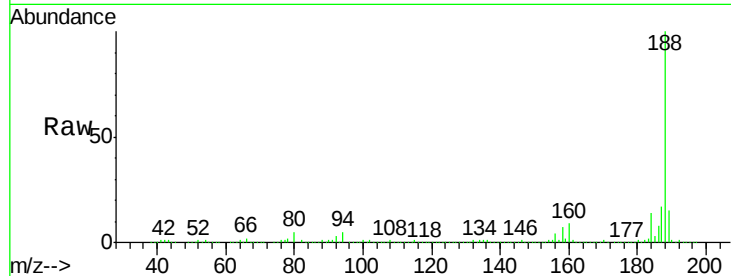
Tot Ion:188 Resp: 514422

Ion Ratio Lower Upper

188 100

94 4.6 9.2 13.8#

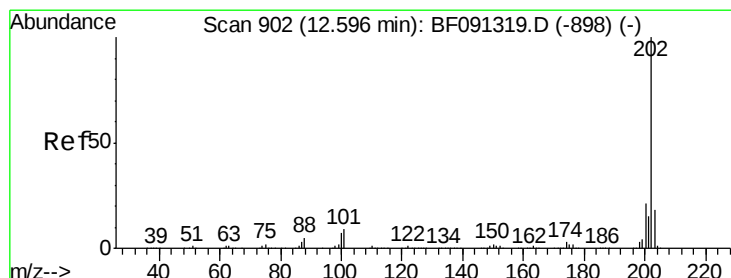
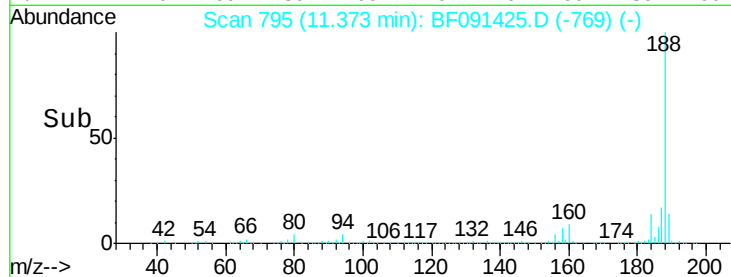
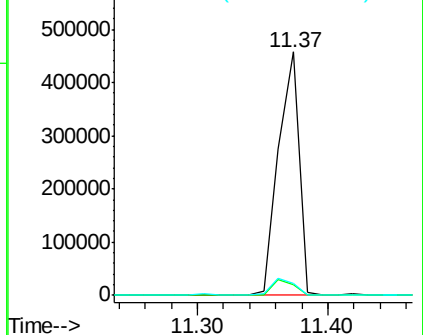
80 5.1 10.5 15.7#



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: 2.89 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

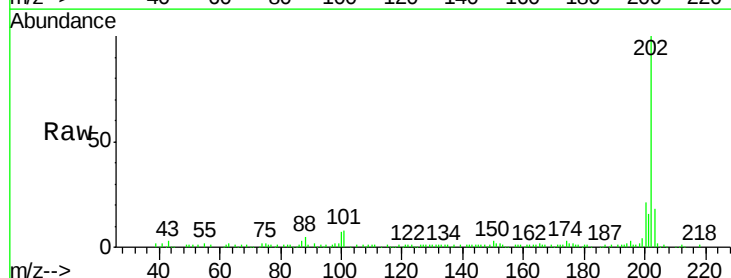
Tgt Ion:202 Resp: 73092

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.5

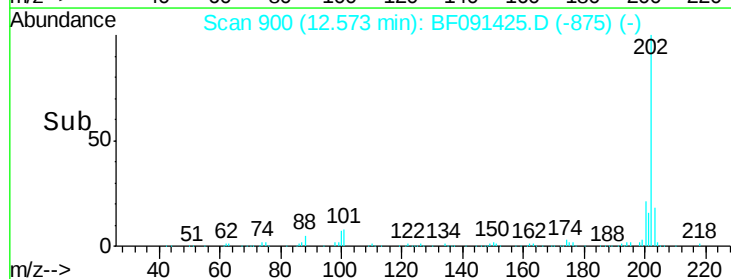
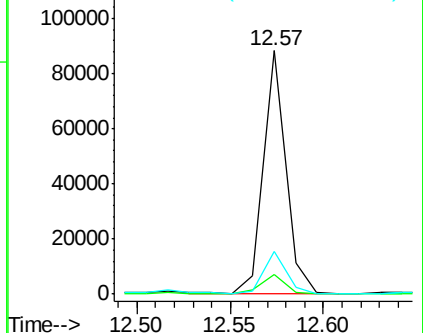
203 17.8 0.0 37.8

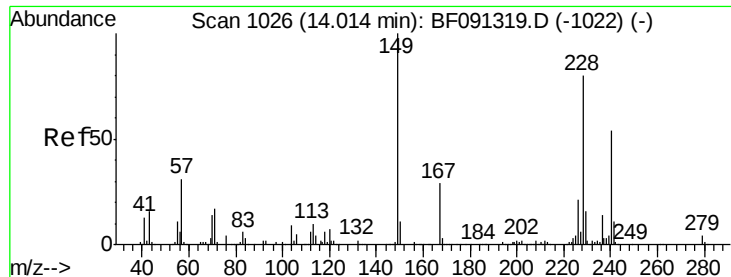


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091425.D

Acq: 5 Dec 2016 18:37

Instrument :

BNA_F

ClientSampleId :

MW-13

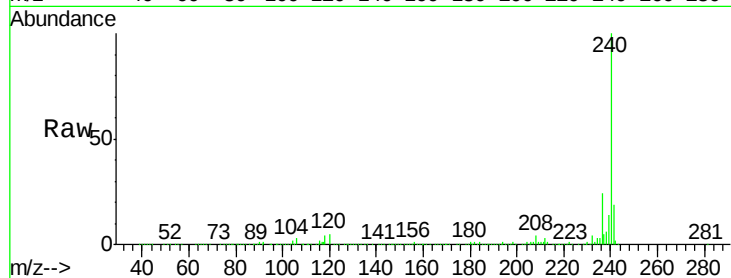
Tot Ion:240 Resp: 406181

Ion Ratio Lower Upper

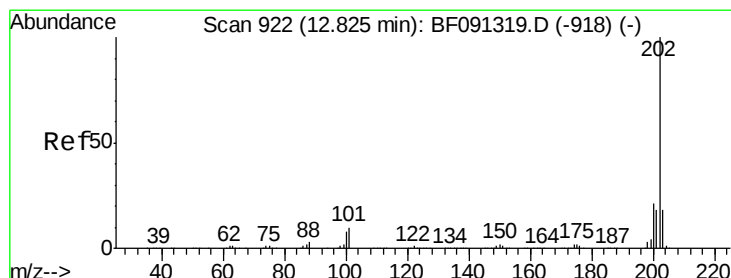
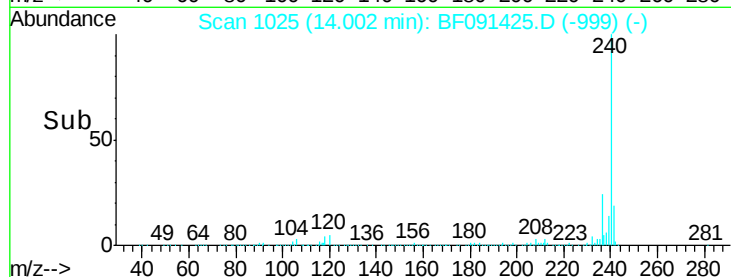
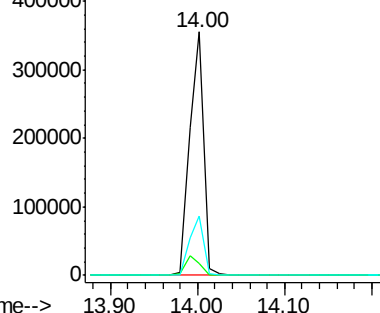
240 100

120 5.0 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

Pyrene

Concen: 3.71 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF091425.D

Acq: 5 Dec 2016 18:37

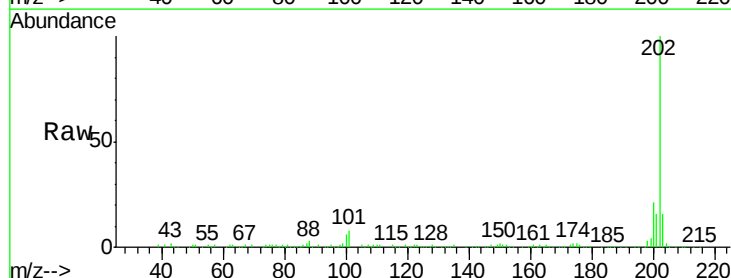
Tgt Ion:202 Resp: 114443

Ion Ratio Lower Upper

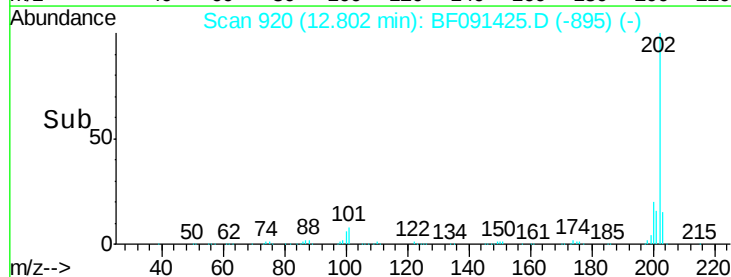
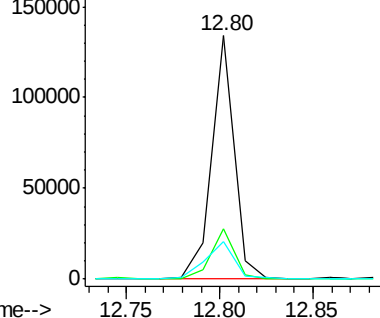
202 100

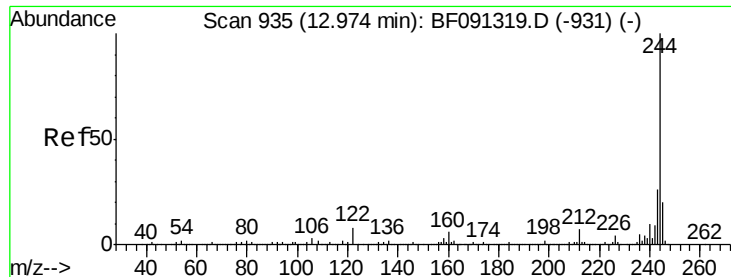
200 20.7 17.6 26.4

203 15.5 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

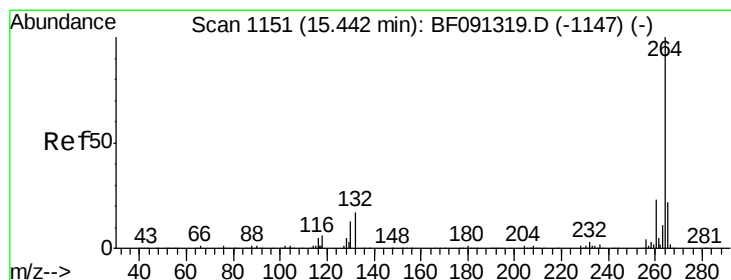
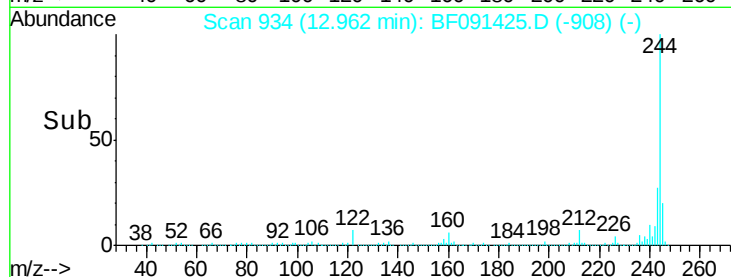
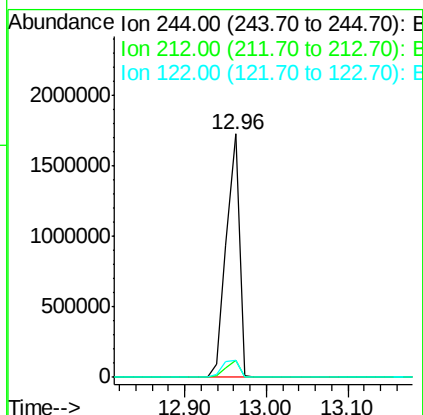
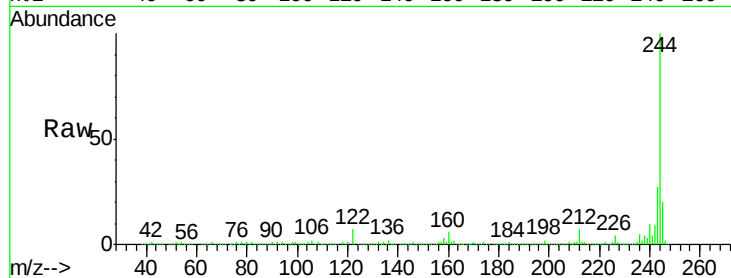




#78
 Terphenyl-d14
 Concen: 102.38 ng
 RT: 12.96 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BF091425.D
 Acq: 5 Dec 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Tot Ion:244 Resp: 1913240
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 7.1 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF091425.D
 Acq: 5 Dec 2016 18:37

Tgt Ion:264 Resp: 305353
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.7 17.0 25.6

