

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120816\
 Data File : BF091514.D
 Acq On : 8 Dec 2016 20:39
 Operator : UM/SJ
 Sample : H5886-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-01

Quant Time: Dec 09 00:10:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

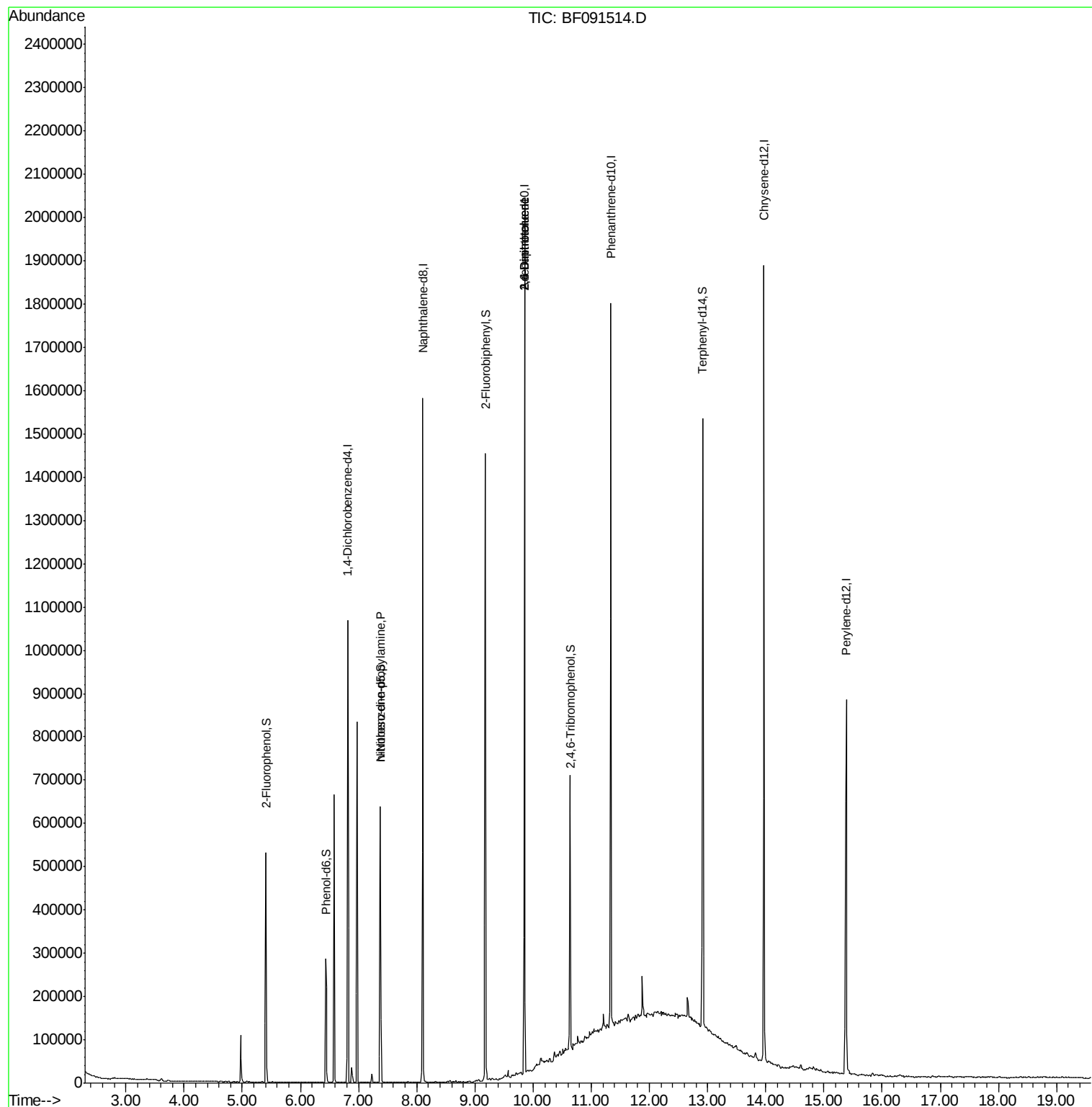
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	157393	20.00	ng	-0.06
21) Naphthalene-d8	8.10	136	714951	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	416743	20.00	ng	-0.06
63) Phenanthrene-d10	11.34	188	766571	20.00	ng	-0.06
75) Chrysene-d12	13.97	240	668778	20.00	ng	-0.07
86) Perylene-d12	15.39	264	471218	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	123668	12.84	ng	-0.06
7) Phenol-d6	6.44	99	112224	9.46	ng	-0.06
23) Nitrobenzene-d5	7.37	82	185078	14.51	ng	-0.07
41) 2,4,6-Tribromophenol	10.64	330	112579	28.53	ng	-0.06
44) 2-Fluorobiphenyl	9.18	172	443988	19.29	ng	-0.06
78) Terphenyl-d14	12.92	244	427954	13.91	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	24347	3.26	ng	# 79
50) 2,6-Dinitrotoluene	9.85	165	53273	9.45	ng	# 16
56) 2,4-Dinitrotoluene	9.85	165	53275	7.28	ng	# 33

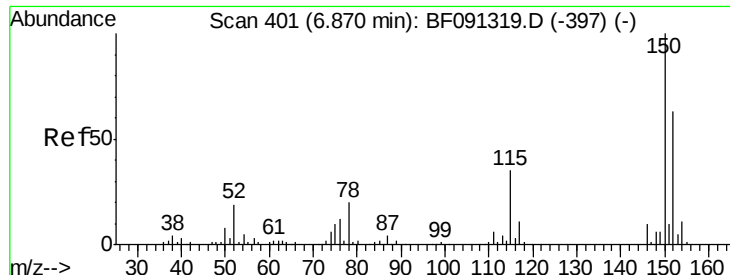
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.06 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA_F

ClientSampleId :

VW-01

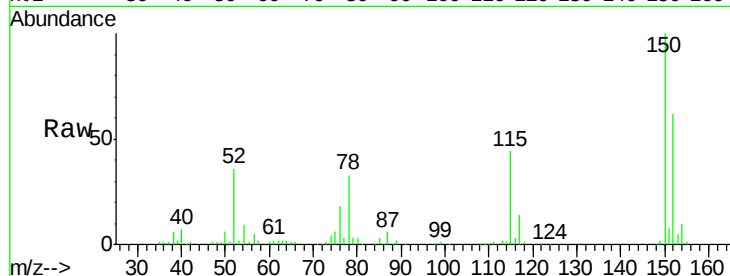
Tgt Ion:152 Resp: 157393

Ion Ratio Lower Upper

152 100

150 160.0 122.5 183.7

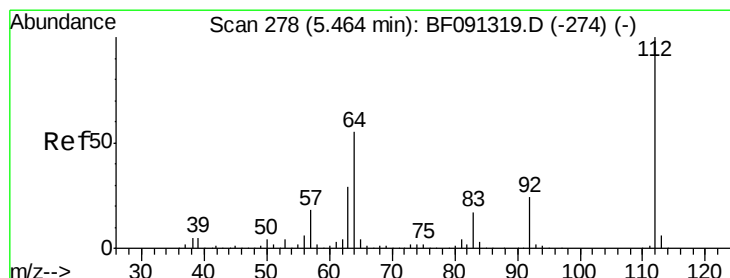
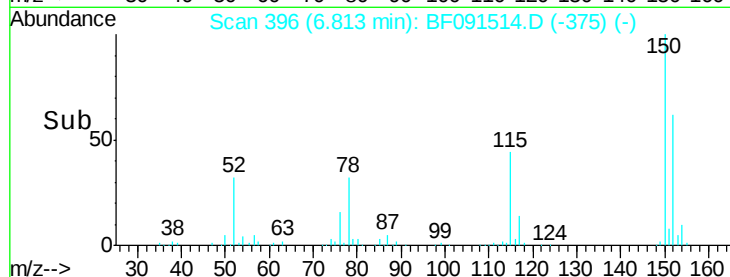
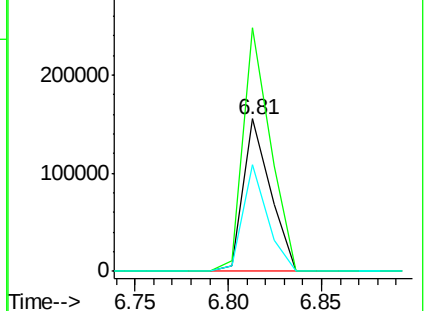
115 70.3 51.8 77.8



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: 12.84 ng

RT: 5.41 min Scan# 273

Delta R.T. -0.06 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

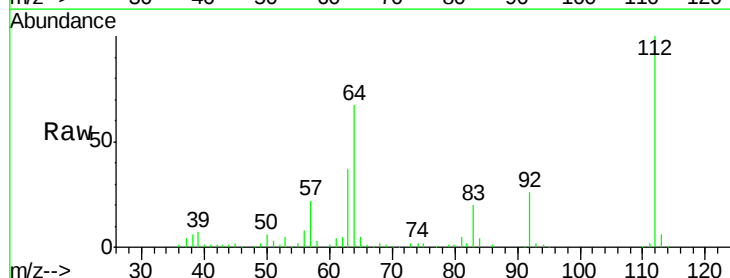
Tgt Ion:112 Resp: 123668

Ion Ratio Lower Upper

112 100

64 67.4 61.5 92.3

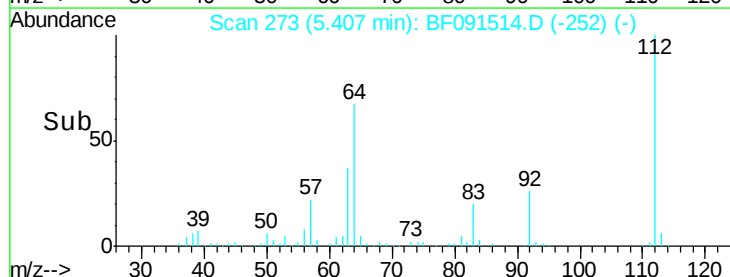
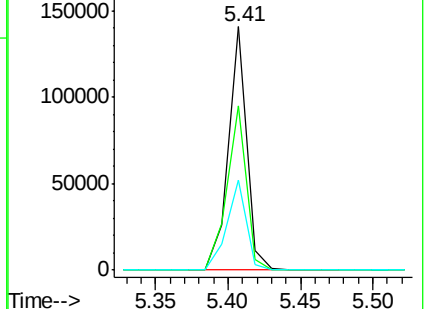
63 36.9 33.3 49.9

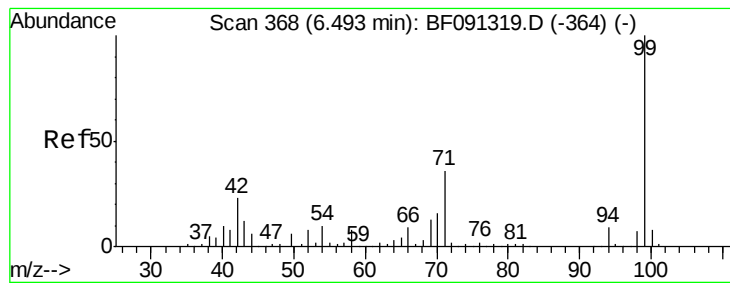


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.46 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.06 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA_F

ClientSampled :

VW-01

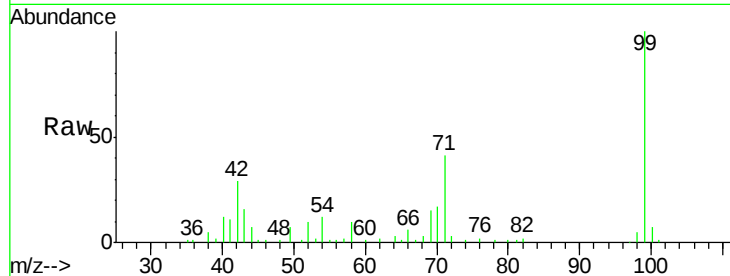
Tgt Ion: 99 Resp: 112224

Ion Ratio Lower Upper

99 100

42 29.0 20.6 31.0

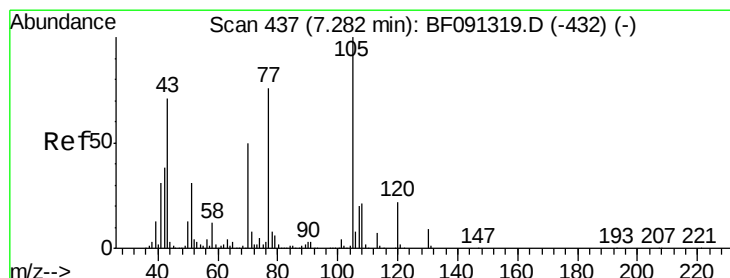
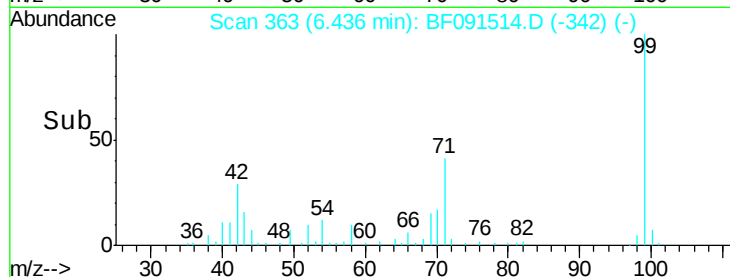
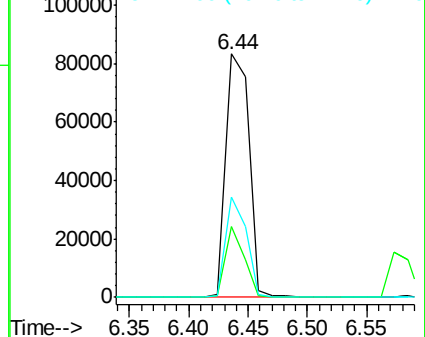
71 41.0 29.9 44.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.26 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.07 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Tgt Ion: 70 Resp: 24347

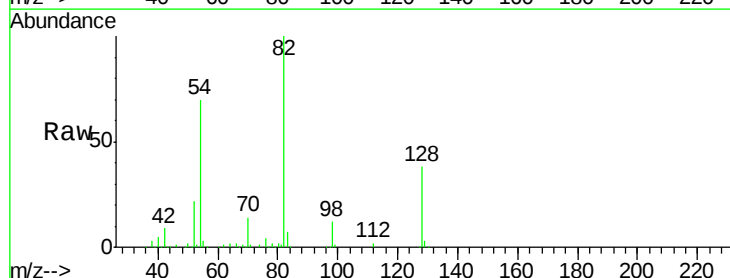
Ion Ratio Lower Upper

70 100

42 64.0 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#

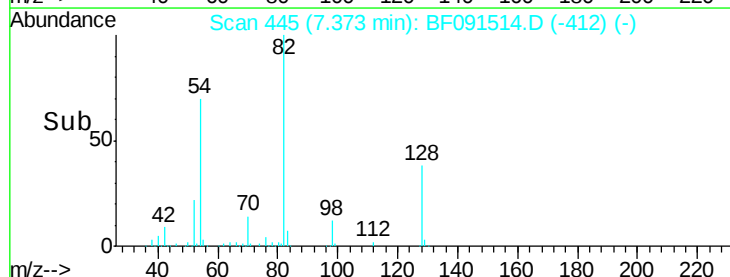
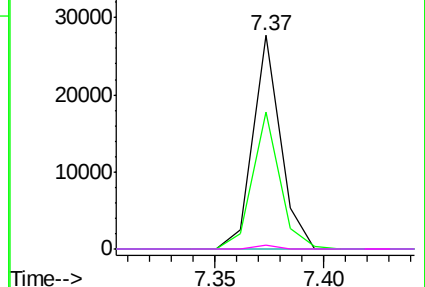


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.06 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA_F

ClientSampleId :

VW-01

Tgt Ion: 136 Resp: 714951

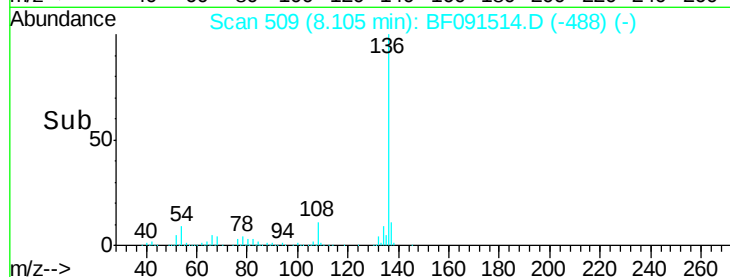
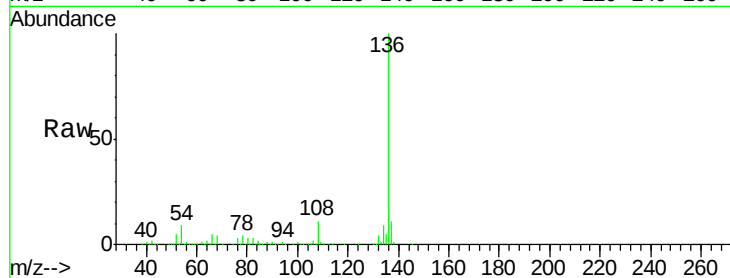
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.1 9.1 13.7#

68 4.2 5.9 8.9#

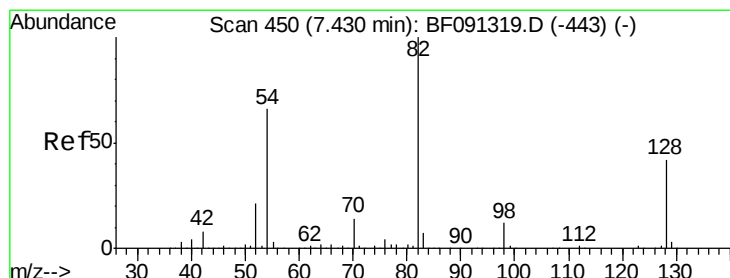
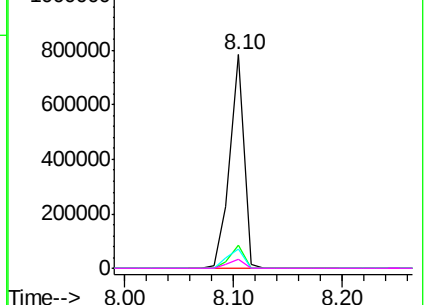


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.51 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.07 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

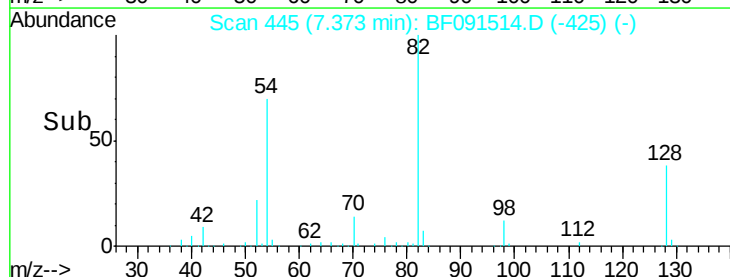
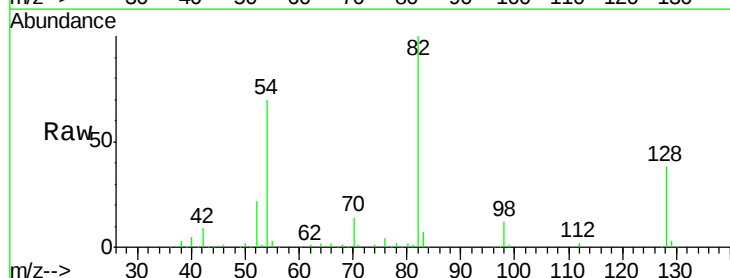
Tgt Ion: 82 Resp: 185078

Ion Ratio Lower Upper

82 100

128 37.5 31.8 47.6

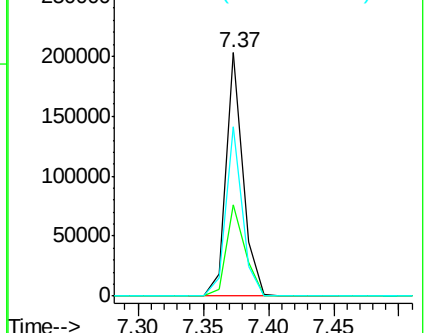
54 69.6 49.1 73.7

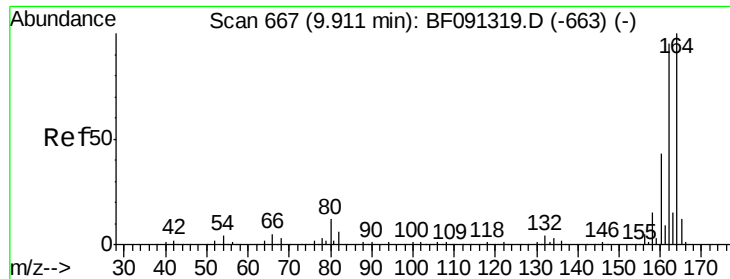


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

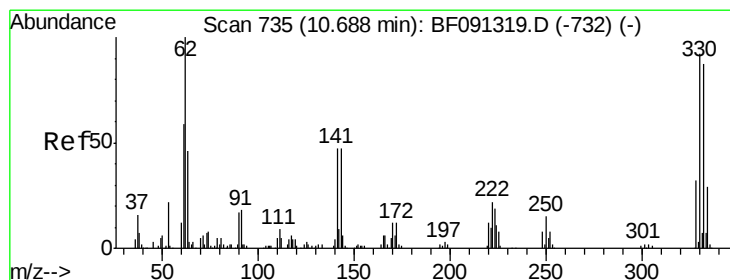
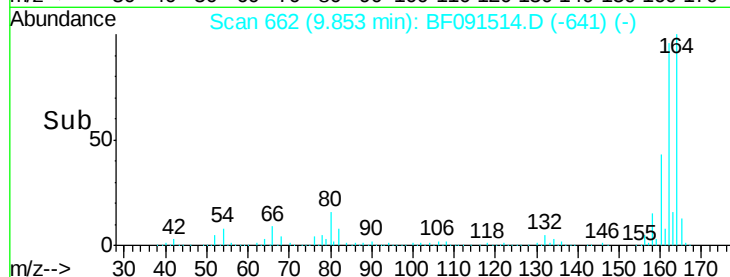
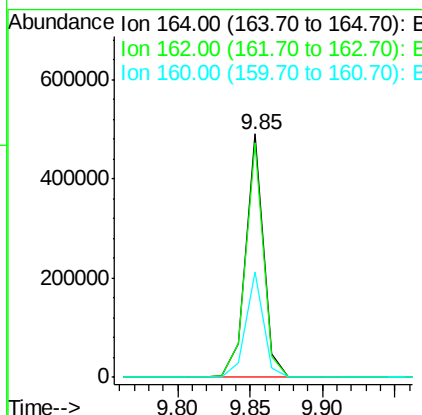
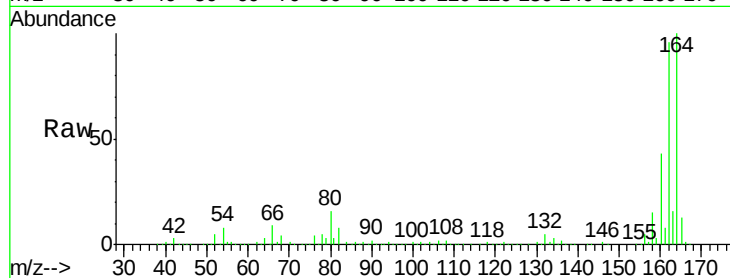




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 662
 Delta R.T. -0.06 min
 Lab File: BF091514.D
 Acq: 8 Dec 2016 20:39

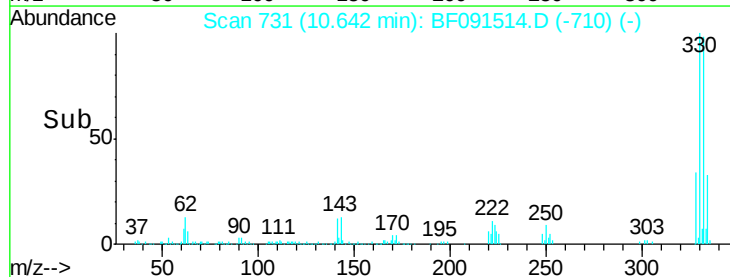
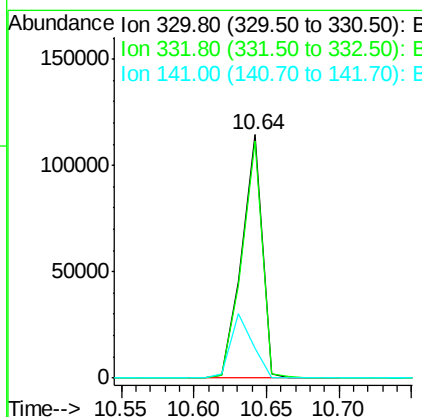
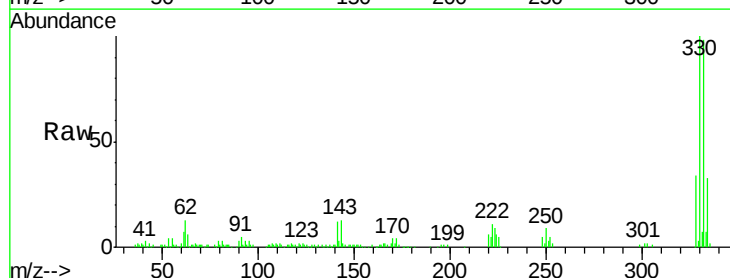
Instrument :
 BNA_F
 ClientSampleId :
 VW-01

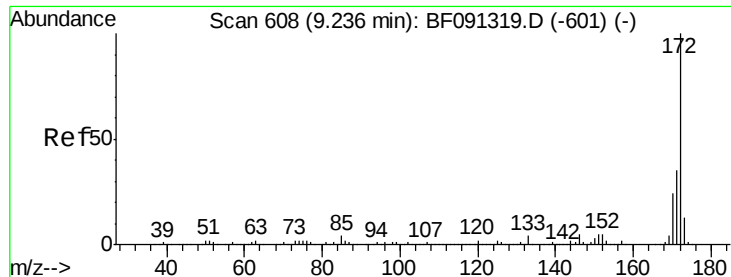
Tgt Ion:164 Resp: 416743
 Ion Ratio Lower Upper
 164 100
 162 96.3 82.6 124.0
 160 43.1 36.7 55.1



#41
 2,4,6-Tribromophenol
 Concen: 28.53 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.06 min
 Lab File: BF091514.D
 Acq: 8 Dec 2016 20:39

Tgt Ion:330 Resp: 112579
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.2 114.4
 141 28.9 33.6 50.4#

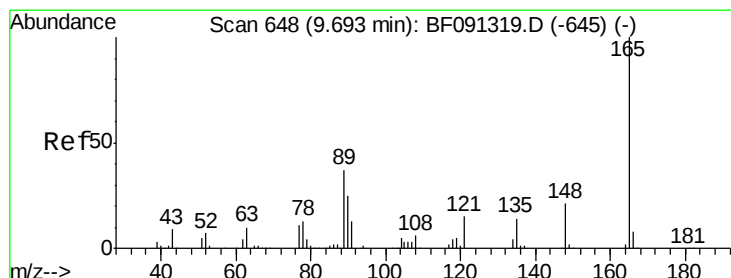
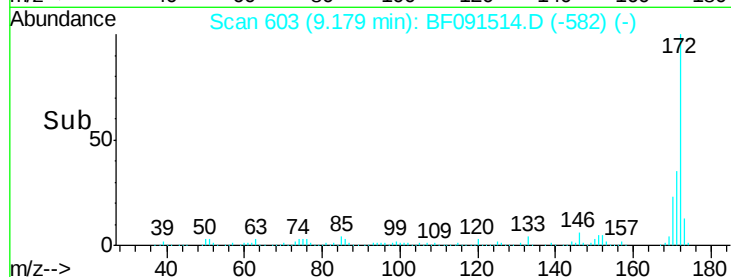
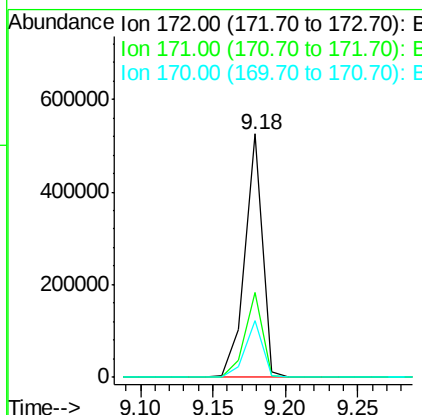
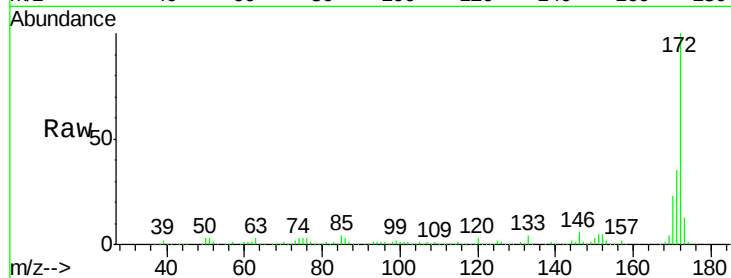




#44
2-Fluorobiphenyl
Concen: 19.29 ng
RT: 9.18 min Scan# 603
Delta R.T. -0.06 min
Lab File: BF091514.D
Acq: 8 Dec 2016 20:39

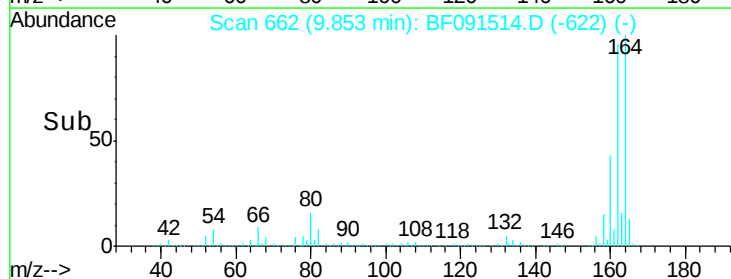
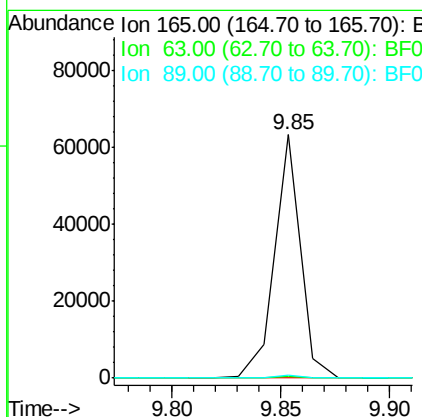
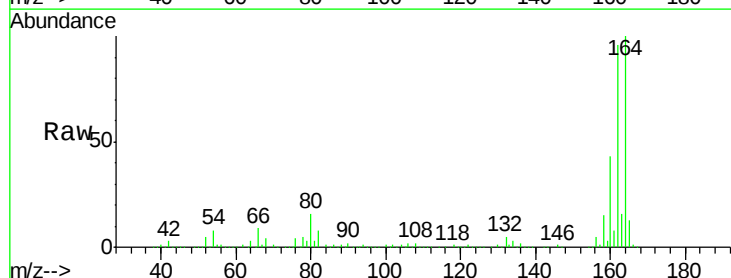
Instrument :
BNA_F
ClientSampleId :
VW-01

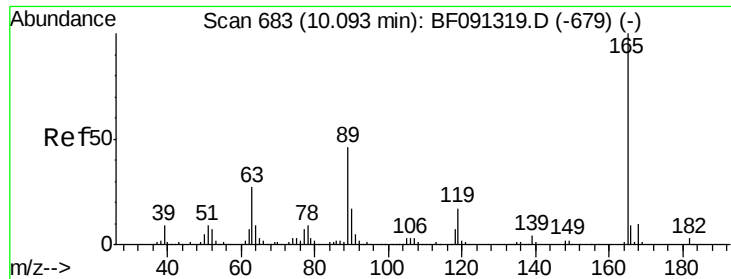
Tgt Ion:172 Resp: 443988
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 23.4 19.7 29.5



#50
2,6-Dinitrotoluene
Concen: 9.45 ng
RT: 9.85 min Scan# 662
Delta R.T. 0.15 min
Lab File: BF091514.D
Acq: 8 Dec 2016 20:39

Tgt Ion:165 Resp: 53273
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.0#
89 1.0 50.8 76.2#

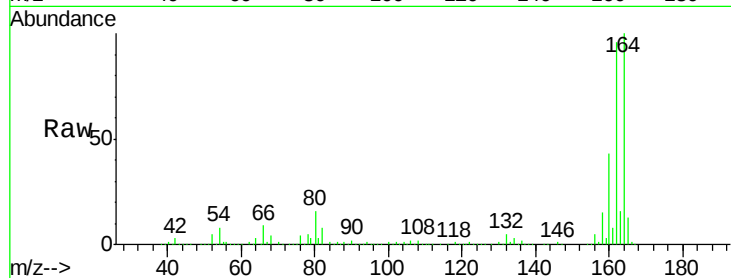




#56
2,4-Dinitrotoluene
Concen: 7.28 ng
RT: 9.85 min Scan# 662
Delta R.T. -0.25 min
Lab File: BF091514.D
Acq: 8 Dec 2016 20:39

Instrument :
BNA_F
ClientSampleId :
VW-01

Tgt Ion:	165	Resp:	53275
Ion Ratio	Lower	Upper	
165	100		
63	1.0	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#

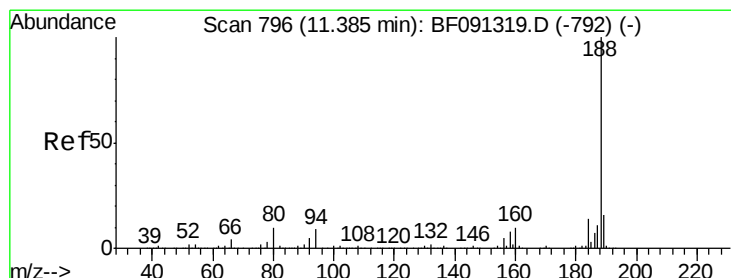
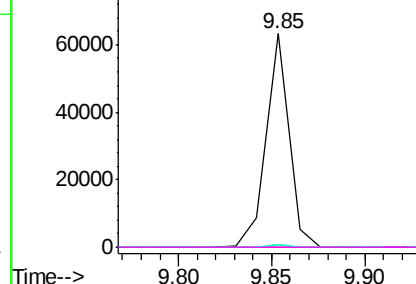
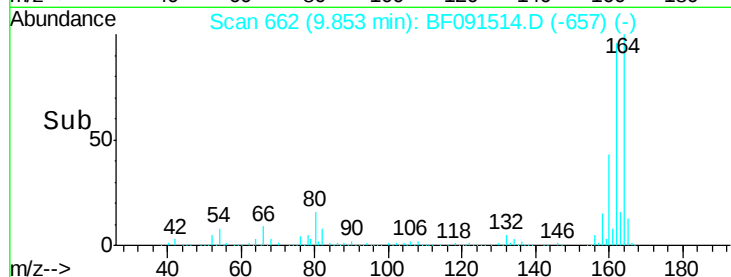


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

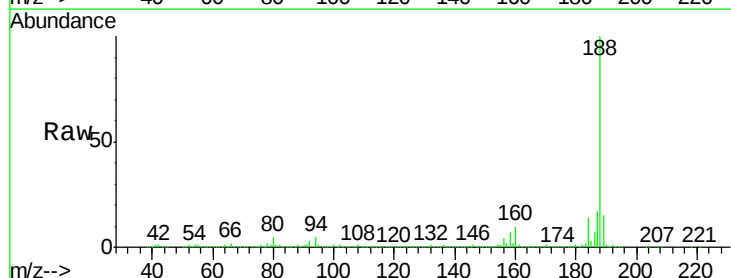
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.06 min
Lab File: BF091514.D
Acq: 8 Dec 2016 20:39

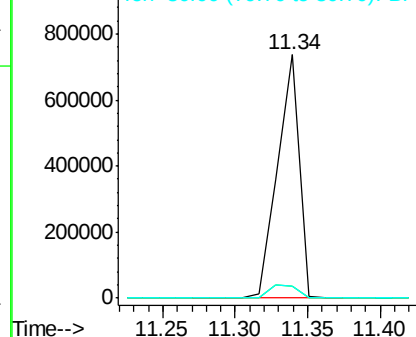
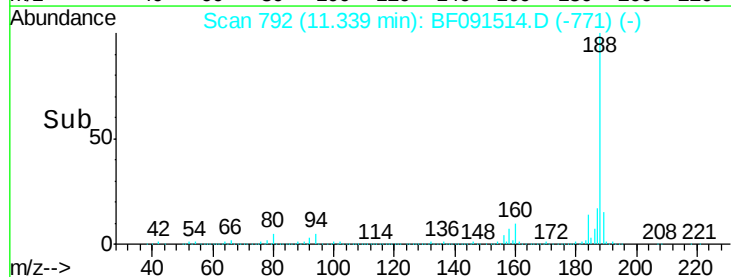
Tgt Ion:	188	Resp:	766571
Ion Ratio	Lower	Upper	
188	100		
94	5.0	9.2	13.8#
80	4.9	10.5	15.7#

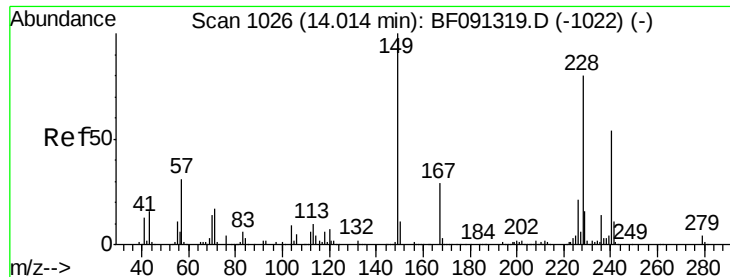


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA_F

ClientSampleId :

VW-01

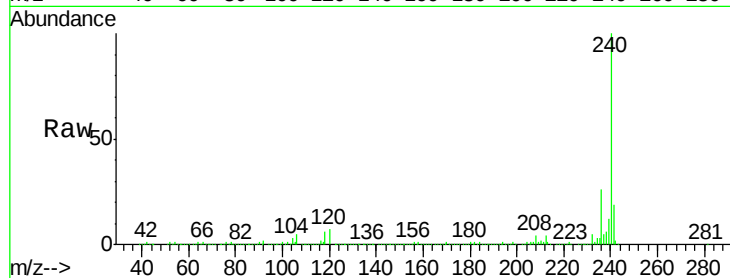
Tgt Ion:240 Resp: 668778

Ion Ratio Lower Upper

240 100

120 7.3 12.1 18.1#

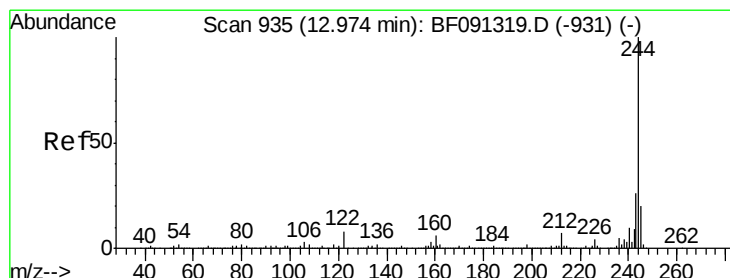
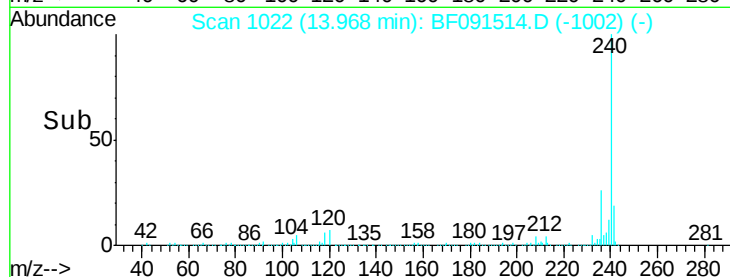
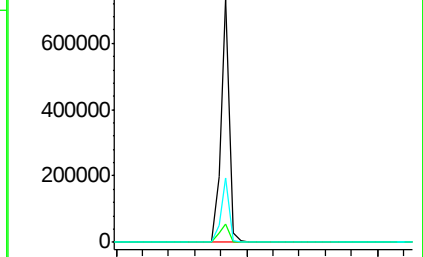
236 26.4 21.0 31.6



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



#78

Terphenyl-d14

Concen: 13.91 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.07 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

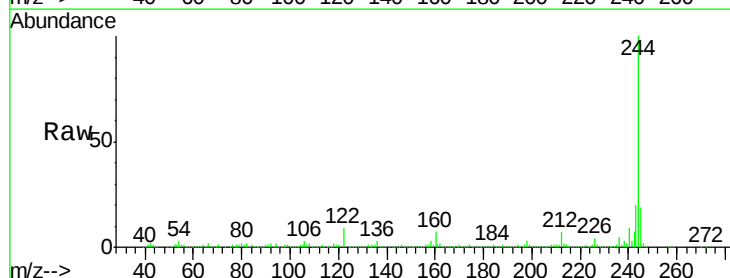
Tgt Ion:244 Resp: 427954

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

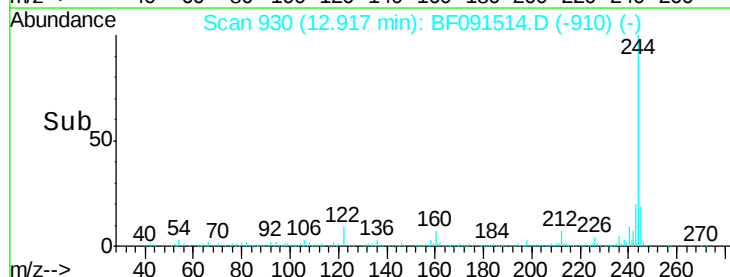
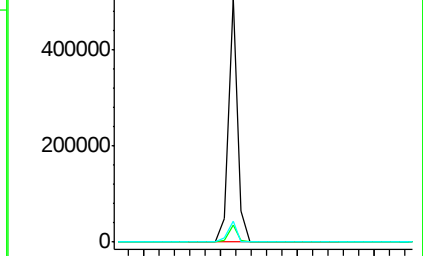
122 8.7 9.5 14.3#

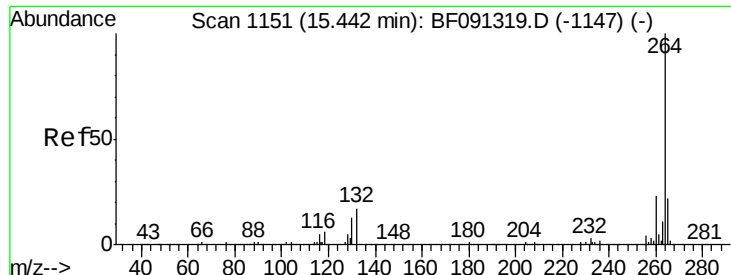


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.09 min
Lab File: BF091514.D
Acq: 8 Dec 2016 20:39

Instrument :
BNA_F
ClientSampleId :
VW-01

Tgt Ion: 264 Resp: 471218
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 21.2 17.0 25.6

