

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
 Data File : BF091822.D
 Acq On : 20 Dec 2016 16:12
 Operator : UM/SJ
 Sample : H6142-01 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(1.5-2.5)

Quant Time: Dec 21 10:51:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

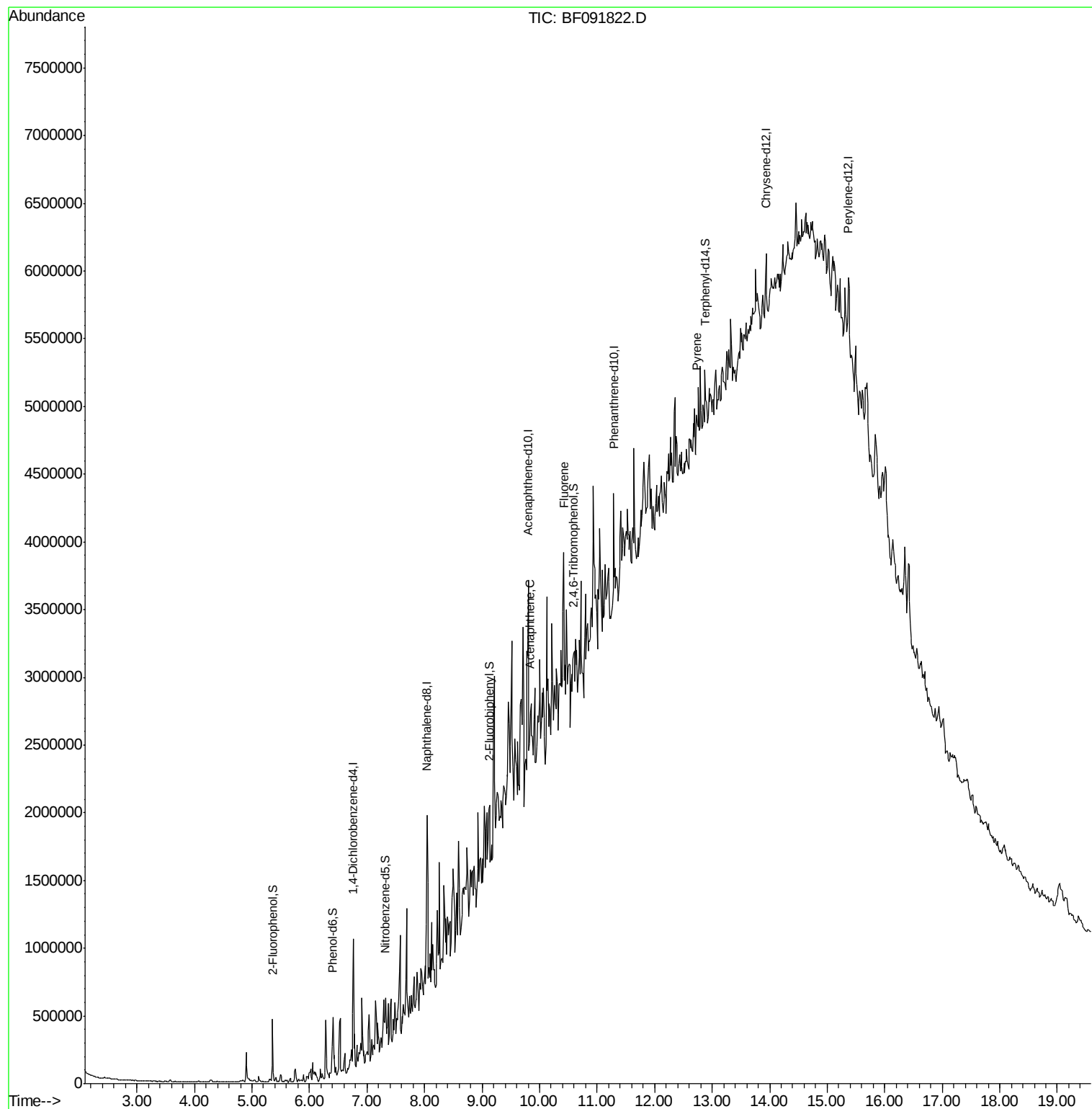
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	143983	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	489317	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	215967	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	316137	20.00	ng	0.00
75) Chrysene-d12	13.94	240	252449	20.00	ng	0.01
86) Perylene-d12	15.37	264	216753	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	139702	16.26	ng	-0.01
7) Phenol-d6	6.41	99	167557	15.99	ng	-0.01
23) Nitrobenzene-d5	7.32	82	114309	13.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	27294	14.90	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	166923	15.53	ng	-0.01
78) Terphenyl-d14	12.88	244	115349	11.54	ng	0.00
Target Compounds						
51) Acenaphthene	9.84	154	48481	3.94	ng	# 89
57) Fluorene	10.42	166	47030m	4.14	ng	
77) Pyrene	12.73	202	192887	10.58	ng	# 86

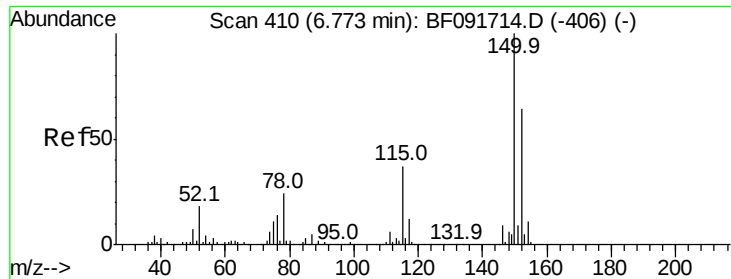
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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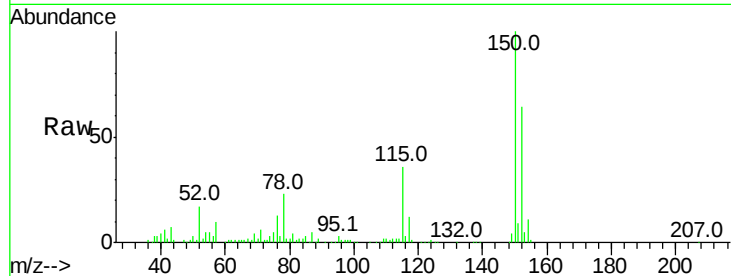


#1

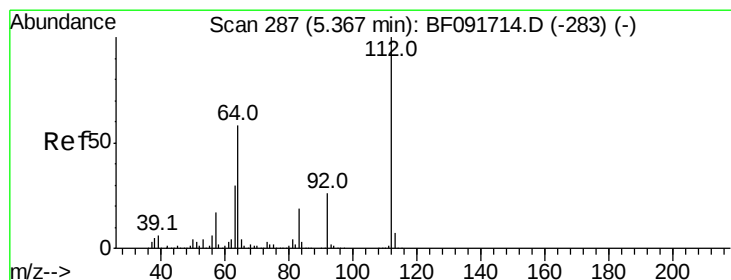
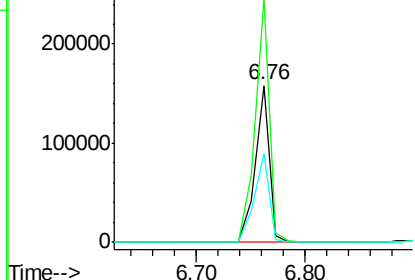
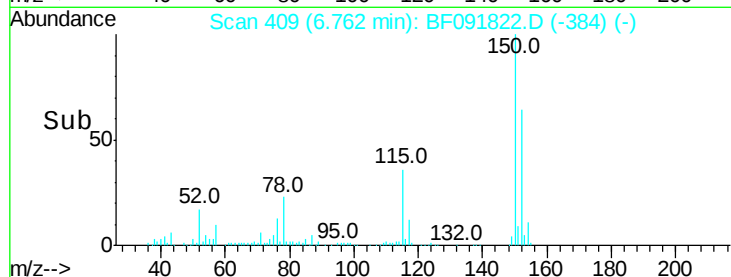
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(1.5-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.9	187.3
115	56.4	46.0	69.0



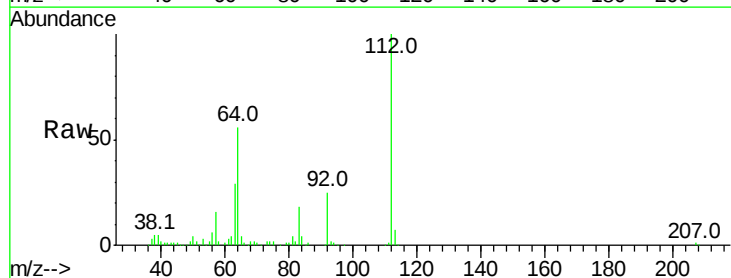
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



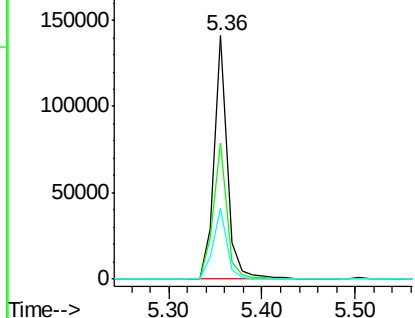
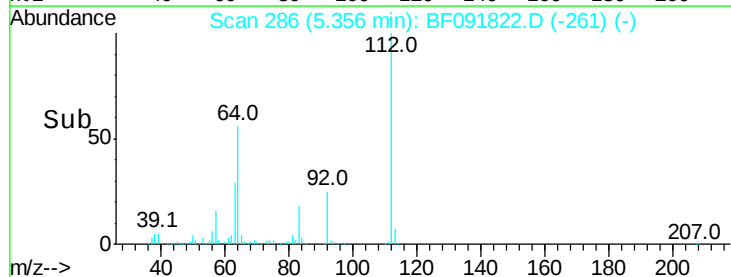
#5

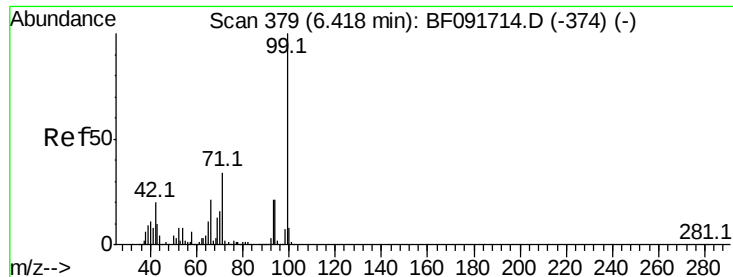
2-Fluorophenol
 Concen: 16.26 ng
 RT: 5.36 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.1	69.1
63	29.0	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: 15.99 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SB-1(1.5-2.5)

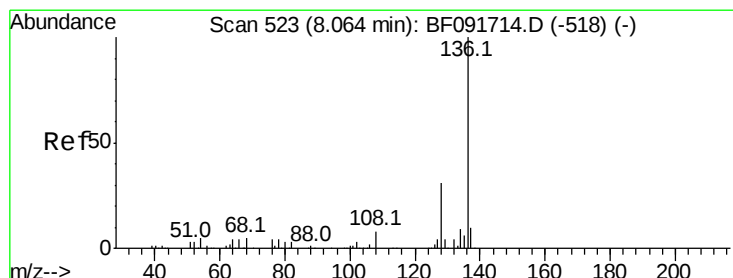
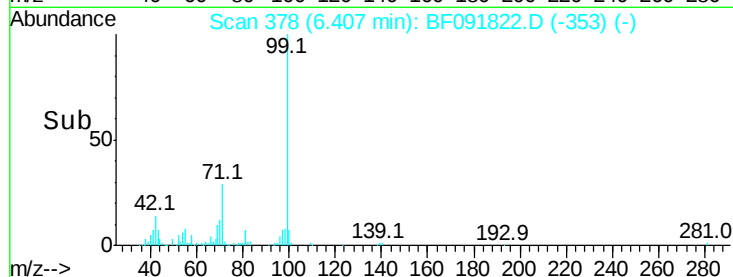
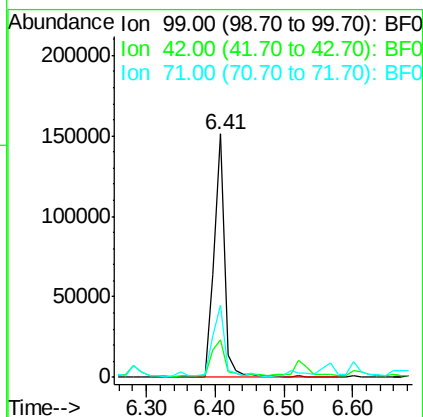
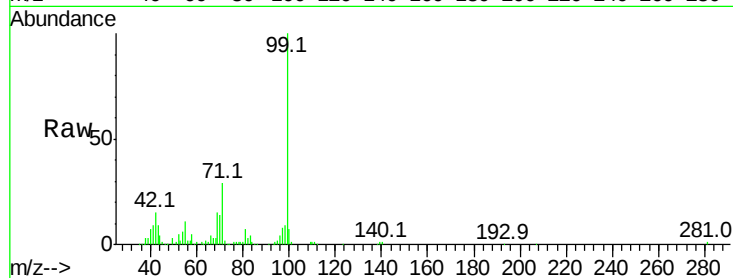
Tot Ion: 99 Resp: 167557

Ion Ratio Lower Upper

99 100

42 15.2 15.6 23.4#

71 29.5 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

Tgt Ion: 136 Resp: 489317

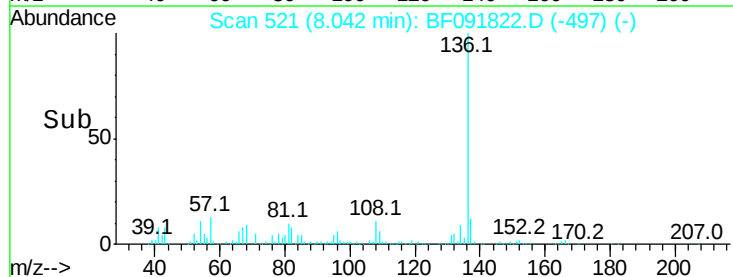
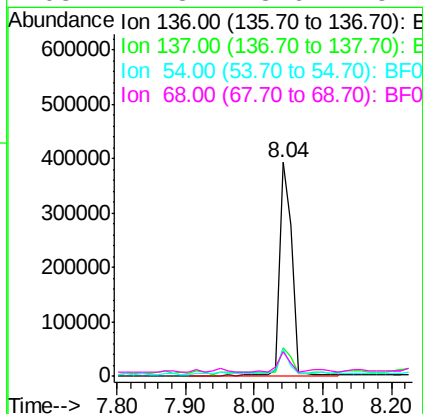
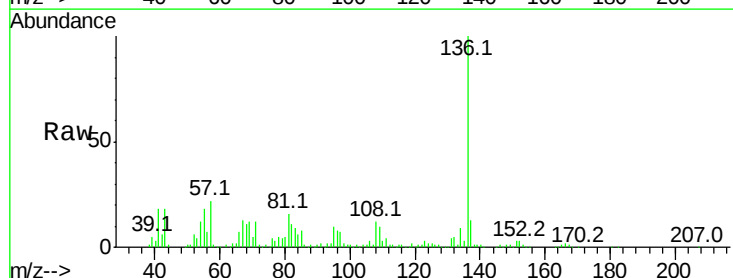
Ion Ratio Lower Upper

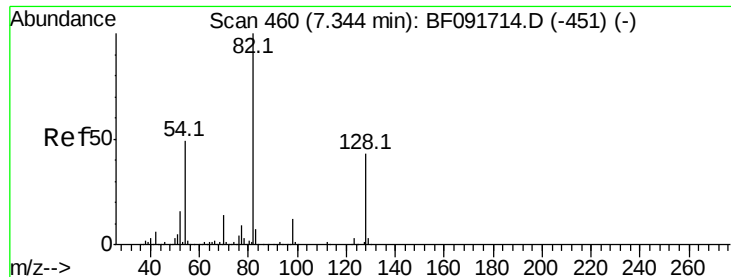
136 100

137 12.9 8.4 12.6#

54 12.4 4.5 6.7#

68 11.3 3.6 5.4#

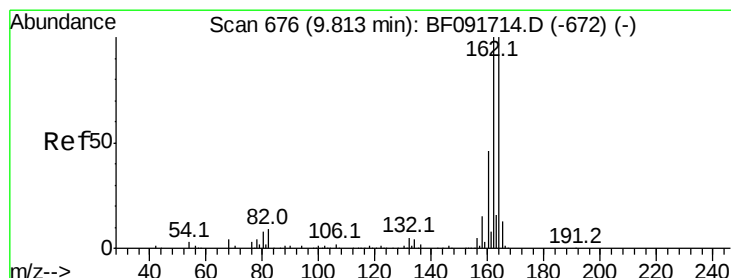
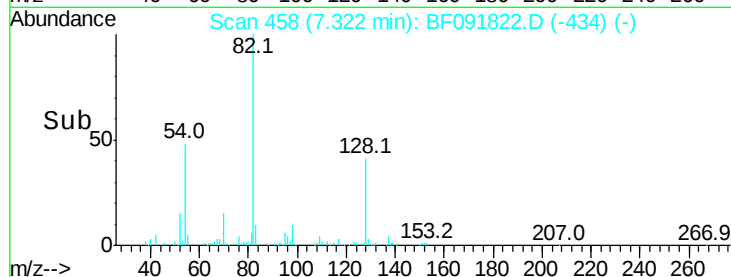
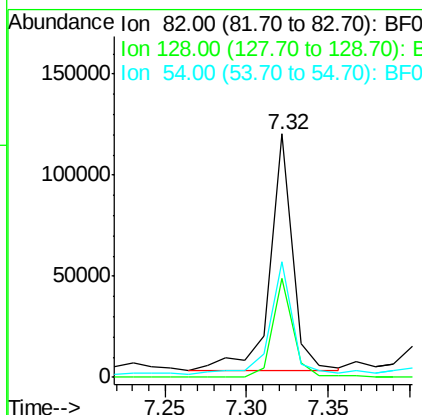
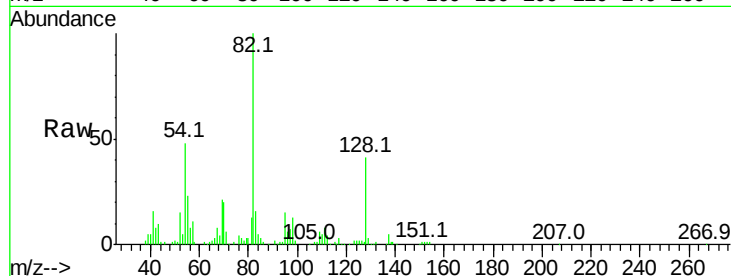




#23
 Nitrobenzene-d5
 Concen: 13.47 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

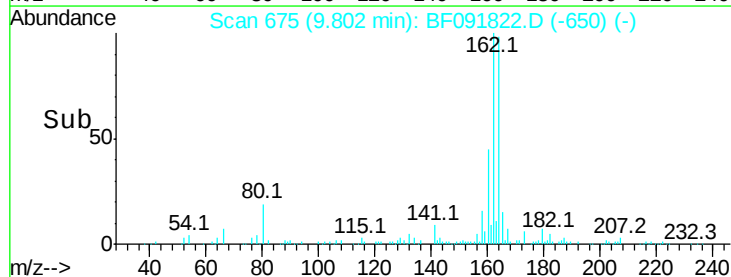
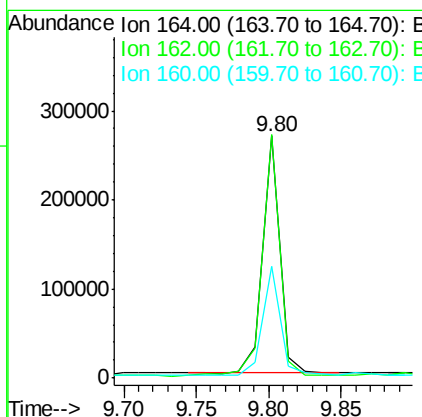
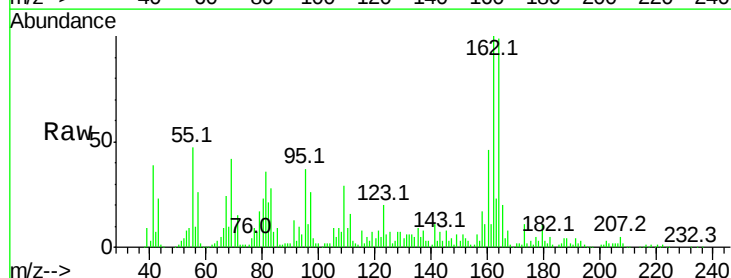
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(1.5-2.5)

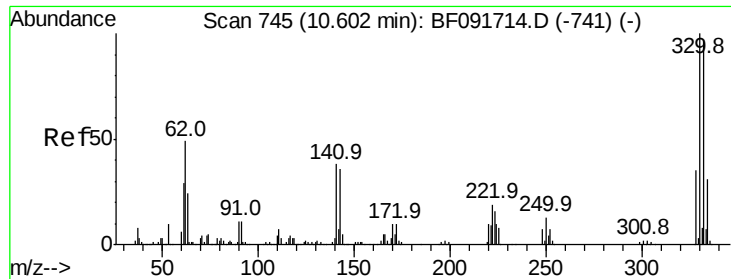
Tot Ion	82	Resp	114309
Ion Ratio	Lower	Upper	
82	100		
128	40.5	34.6	52.0
54	47.6	39.5	59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

Tgt Ion	164	Resp	215967
Ion Ratio	Lower	Upper	
164	100		
162	100.5	80.2	120.2
160	46.1	36.9	55.3

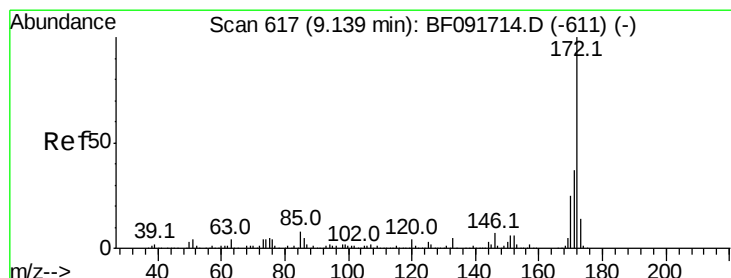
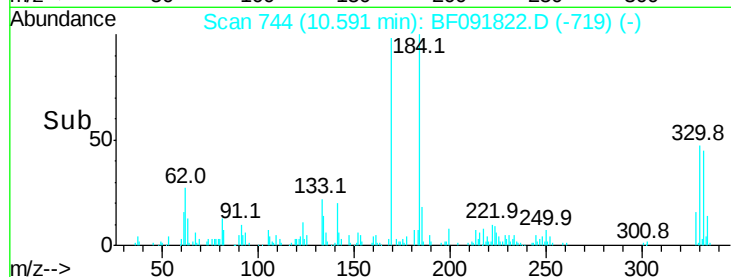
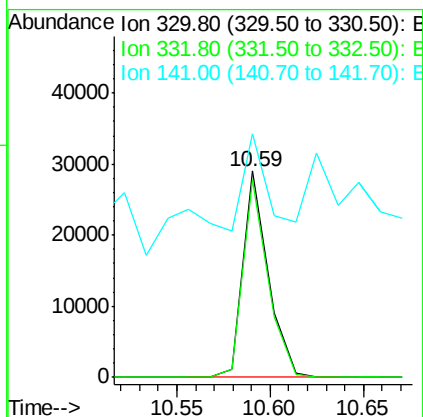
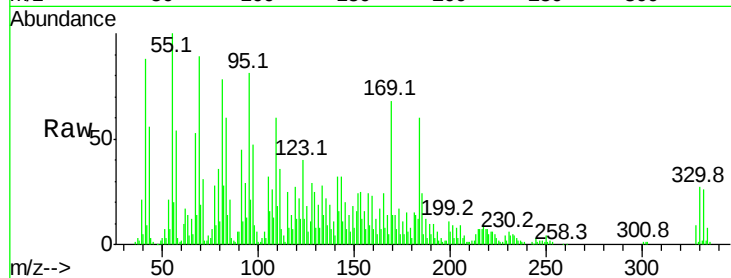




#41
 2,4,6-Tribromophenol
 Concen: 14.90 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

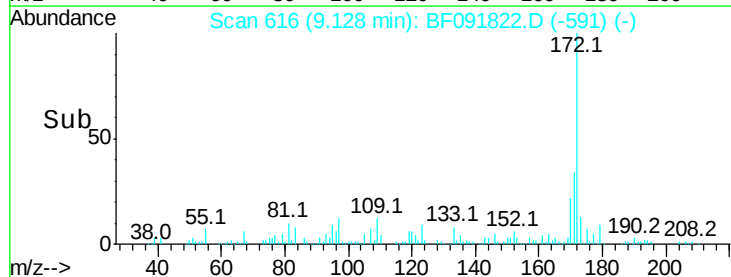
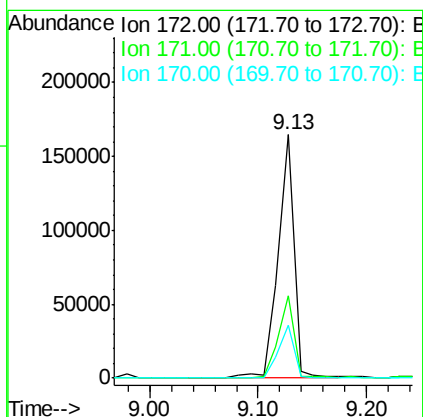
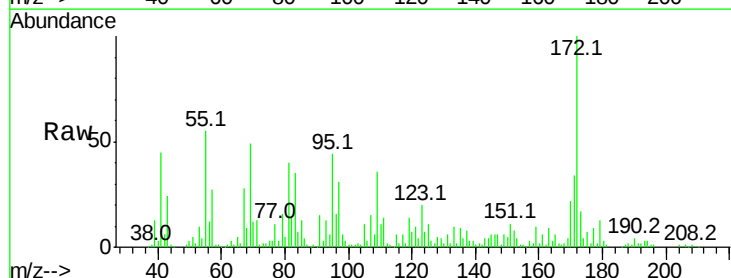
Instrument :
 BNA_F
 ClientSampleId :
 SB-1(1.5-2.5)

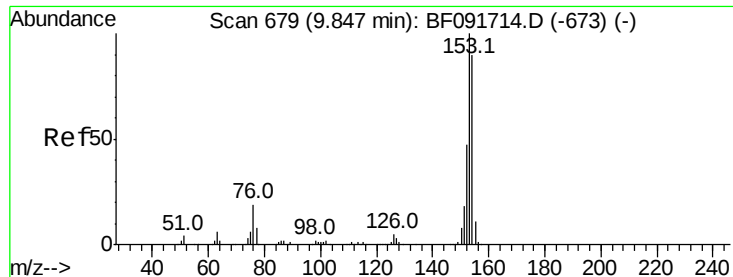
Tot Ion:330 Resp: 27294
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 117.8 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 15.53 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

Tgt Ion:172 Resp: 166923
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.4 44.0
 170 21.9 20.2 30.4





#51

Acenaphthene

Concen: 3.94 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SB-1(1.5-2.5)

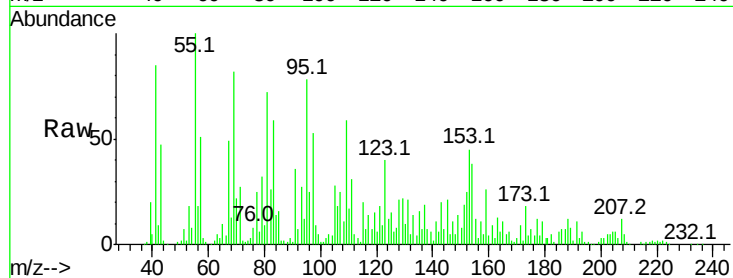
Tot Ion:154 Resp: 48481

Ion Ratio Lower Upper

154 100

153 118.4 88.6 133.0

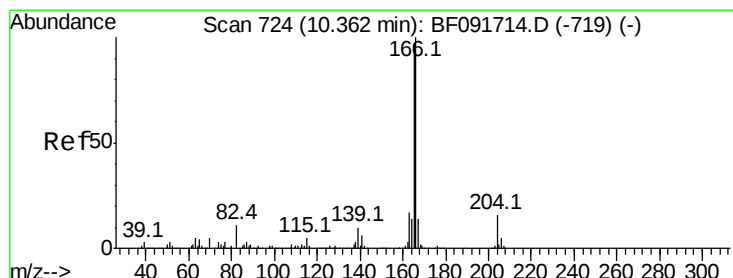
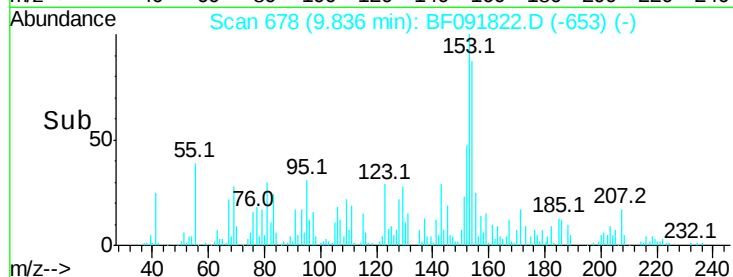
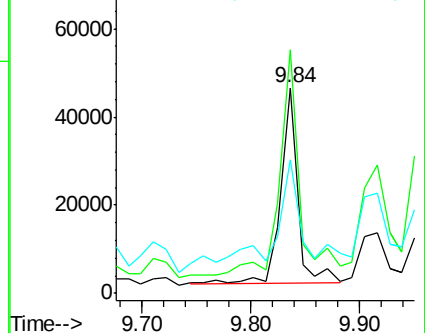
152 64.9 41.6 62.4#



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: 4.14 ng m

RT: 10.42 min Scan# 729

Delta R.T. 0.06 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

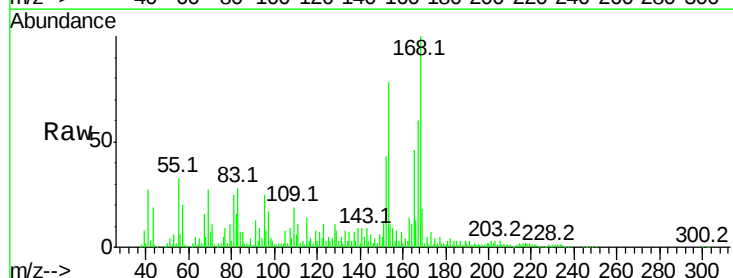
Tgt Ion:166 Resp: 47030

Ion Ratio Lower Upper

166 100

165 367.2 77.8 116.8#

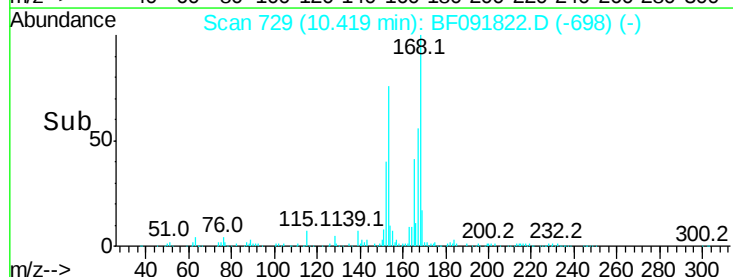
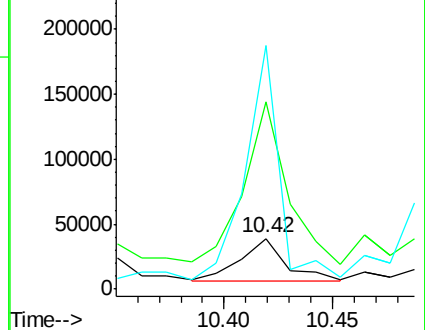
167 477.8 10.8 16.2#

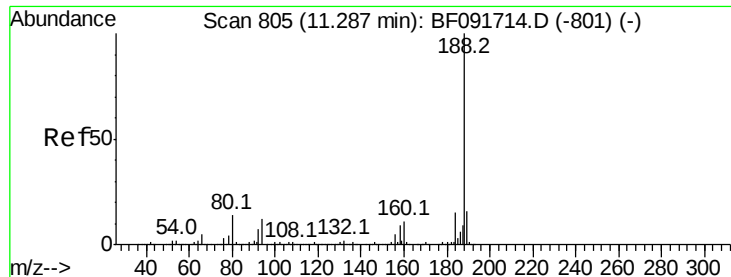


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

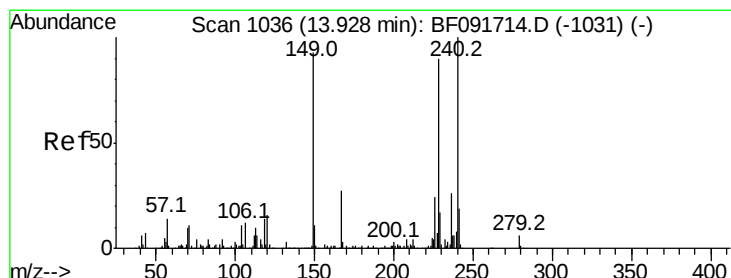
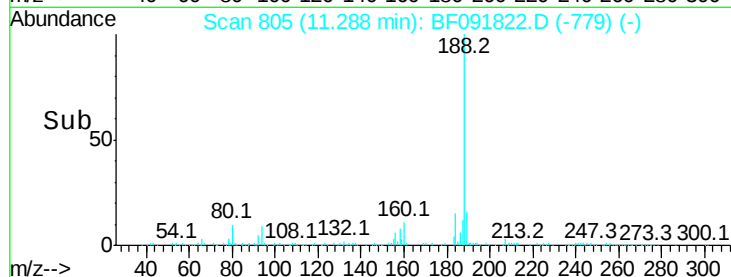
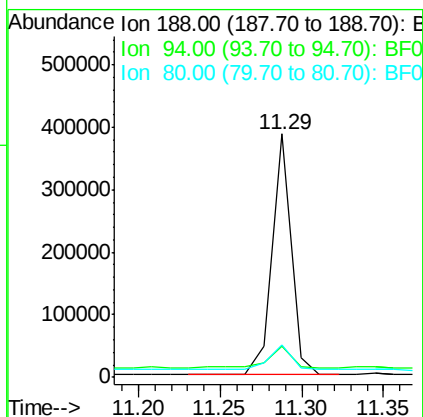
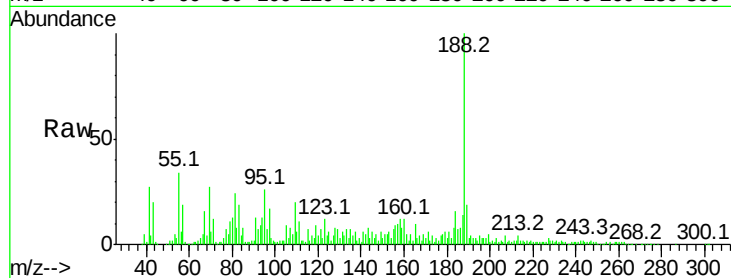




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091822.D
Acq: 20 Dec 2016 16:12

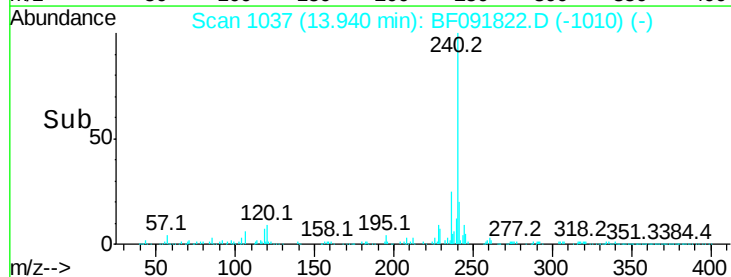
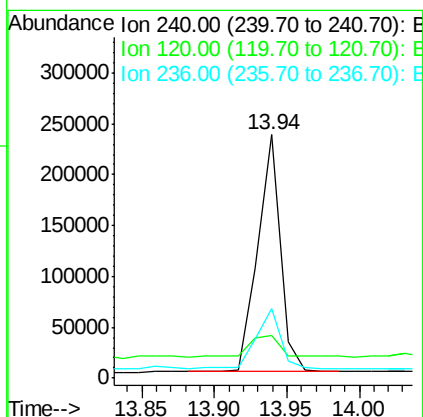
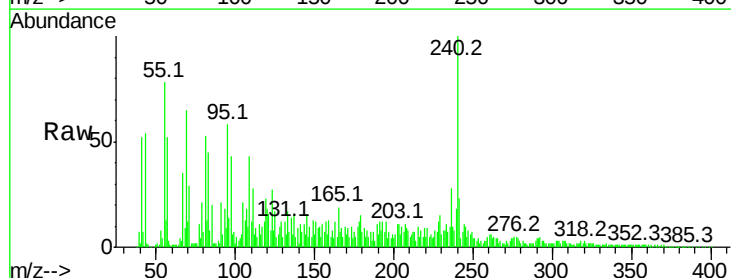
Instrument :
BNA_F
ClientSampleId :
SB-1(1.5-2.5)

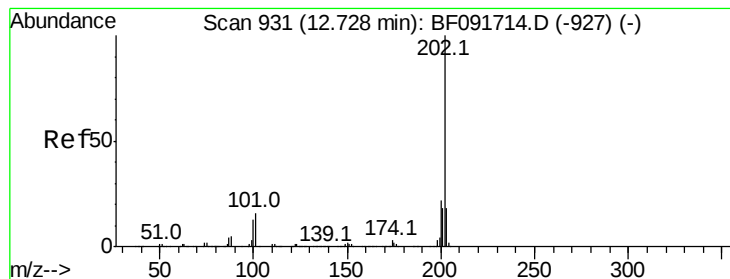
Tot Ion	188	Ratio	100	Resp	316137
Ion	188	100		Lower	Upper
	94	13.0		10.0	15.0
	80	13.4		11.2	16.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF091822.D
Acq: 20 Dec 2016 16:12

Tgt Ion	240	Ratio	100	Resp	252449
Ion	240	100		Lower	Upper
	120	17.5		12.9	19.3
	236	28.5		20.9	31.3





#77

Pvrene

Concen: 10.58 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

Instrument :

BNA_F

ClientSampleId :

SB-1(1.5-2.5)

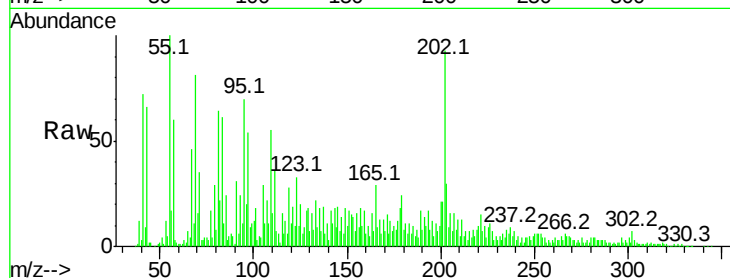
Tot Ion:202 Resp: 192887

Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

203 31.9 14.7 22.1#

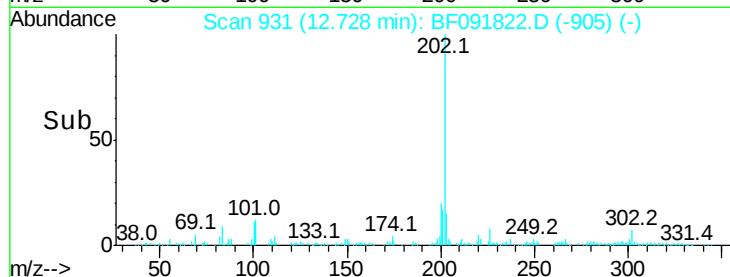


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



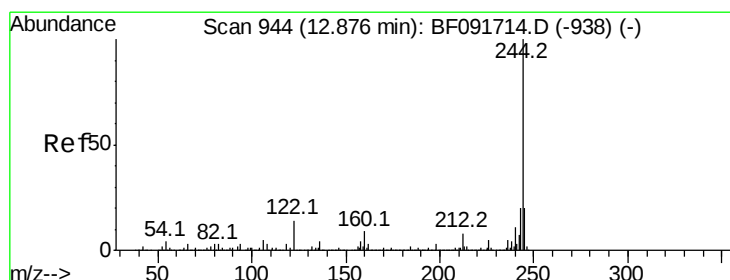
Abundance

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

Time-->



#78

Terphenyl-d14

Concen: 11.54 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF091822.D

Acq: 20 Dec 2016 16:12

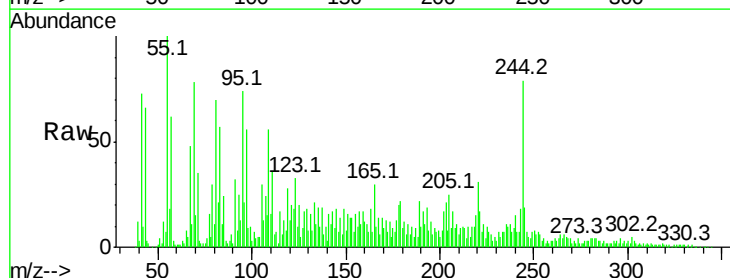
Tgt Ion:244 Resp: 115349

Ion Ratio Lower Upper

244 100

212 12.5 6.2 9.2#

122 22.8 11.4 17.2#

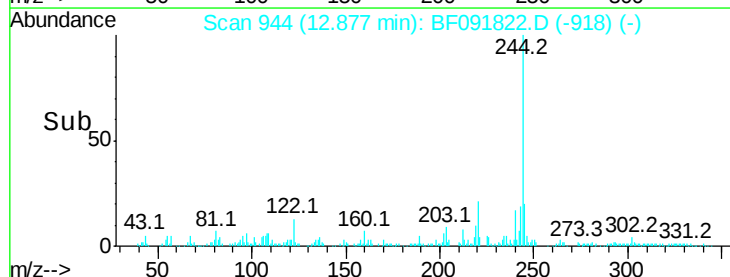


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



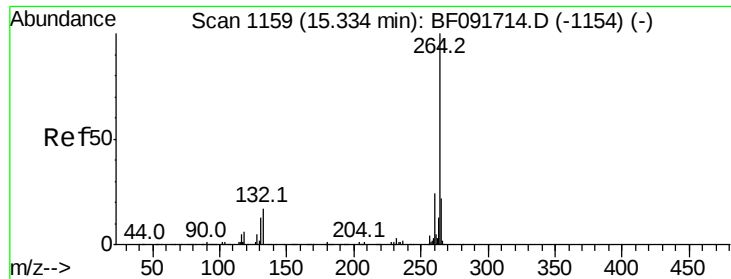
Abundance

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

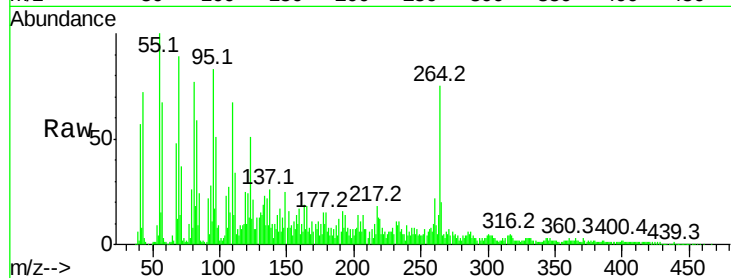
Time-->



#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.03 min
 Lab File: BF091822.D
 Acq: 20 Dec 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(1.5-2.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.9	19.2	28.8#
265	27.1	17.4	26.0#

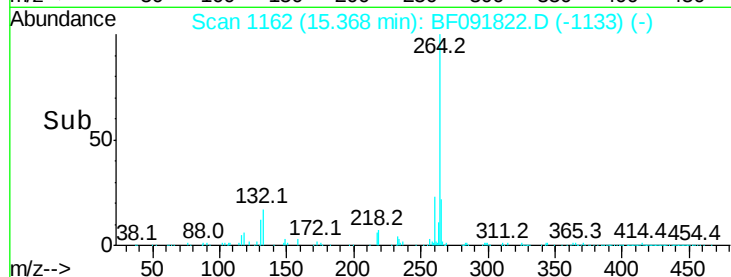
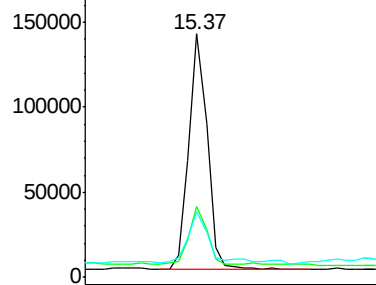


Abundance

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



Time-->