

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093920.D
 Acq On : 24 Mar 2017 21:36
 Operator : SJ/MA
 Sample : I2381-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSEGRADEAGGREGATE-

Quant Time: Mar 24 23:06:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

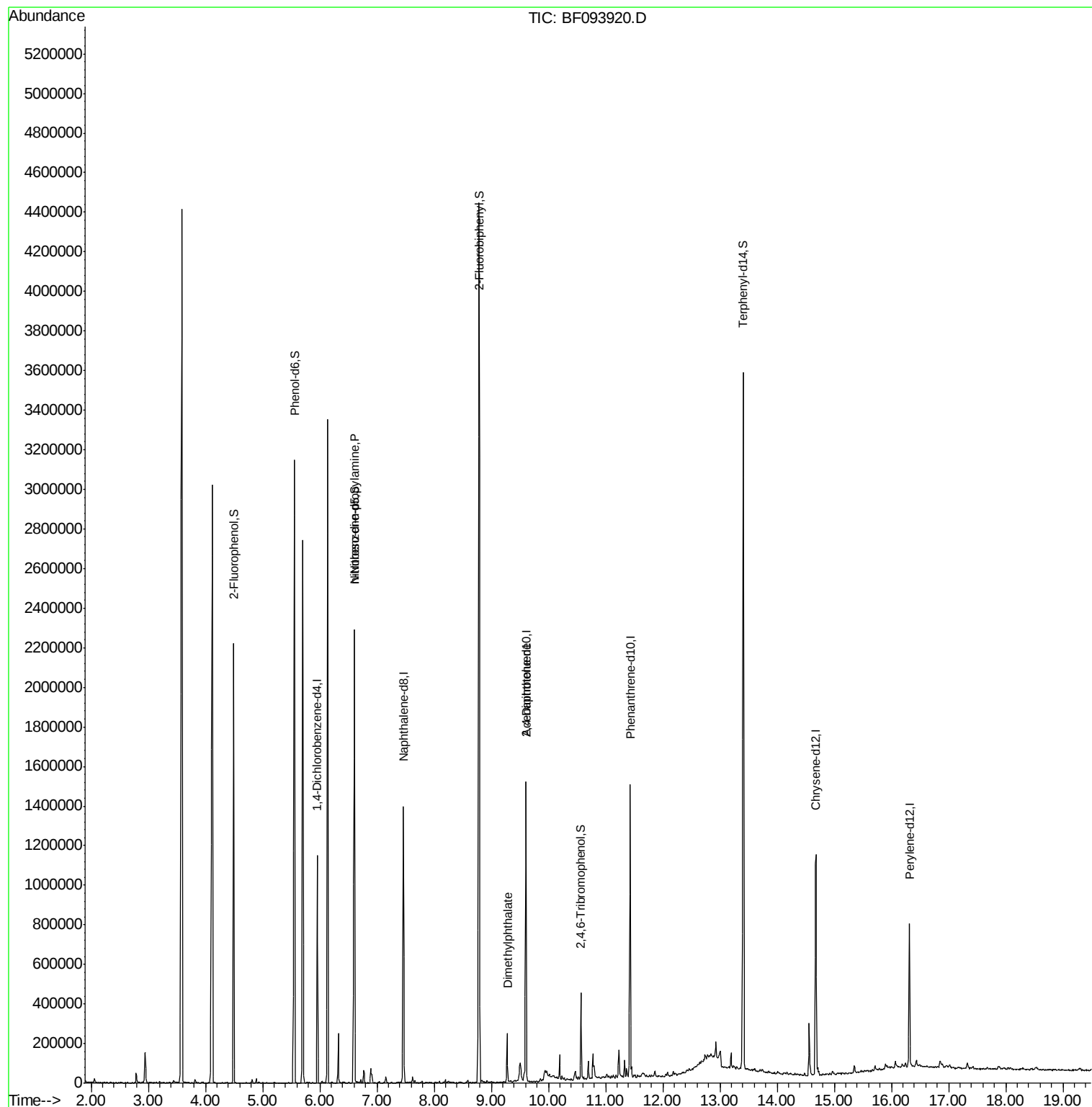
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.96	152	174055	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	718437	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	337069	20.00	ng	-0.04
63) Phenanthrene-d10	11.43	188	574707	20.00	ng	-0.04
75) Chrysene-d12	14.68	240	446519	20.00	ng	-0.04
86) Perylene-d12	16.32	264	309681	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	605156	58.72	ng	-0.01
7) Phenol-d6	5.56	99	1337854	104.94	ng	-0.01
23) Nitrobenzene-d5	6.60	82	965132	76.66	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	41747	15.67	ng	-0.04
44) 2-Fluorobiphenyl	8.79	172	1723633	78.00	ng	-0.04
78) Terphenyl-d14	13.41	244	1402876	70.42	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.60	70	127276	15.53	ng	# 78
49) Dimethylphthalate	9.28	163	113311	4.73	ng	98
56) 2,4-Dinitrotoluene	9.60	165	42642	6.18	ng	# 32

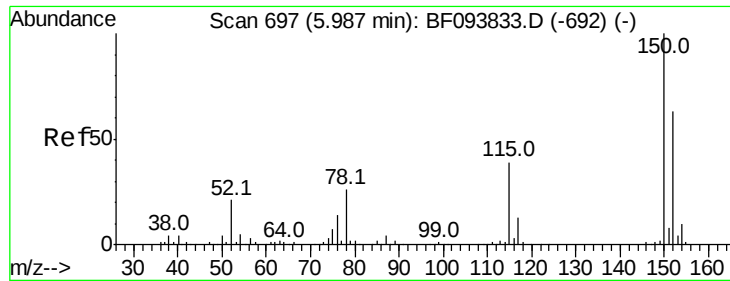
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 692

Delta R.T. -0.03 min

Lab File: BF093920.D

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1-1-2-DENSEGRADEAGGREGATE-

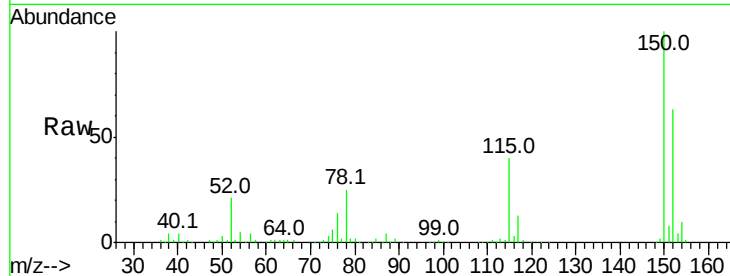
Tot Ion:152 Resp: 174055

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

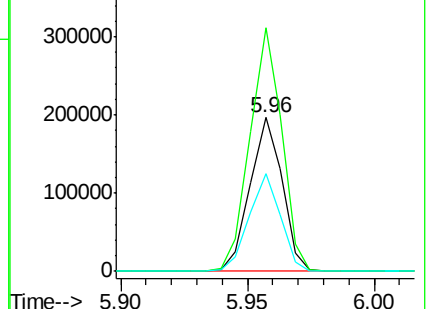
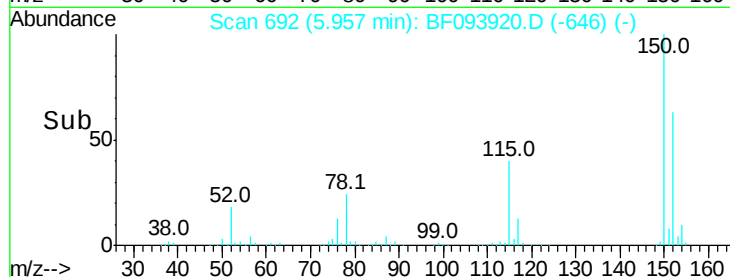
115 63.6 52.2 78.2



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: 58.72 ng

RT: 4.49 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

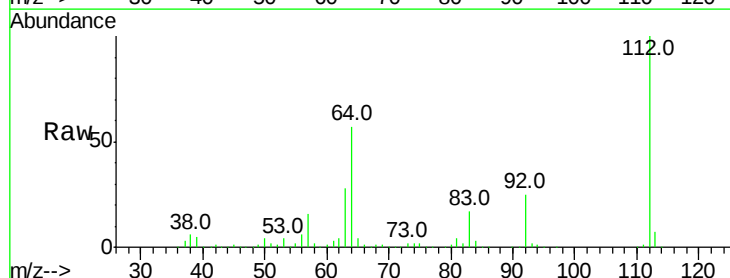
Tgt Ion:112 Resp: 605156

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

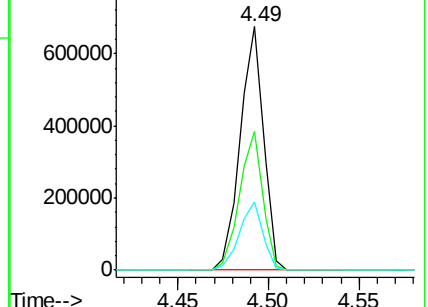
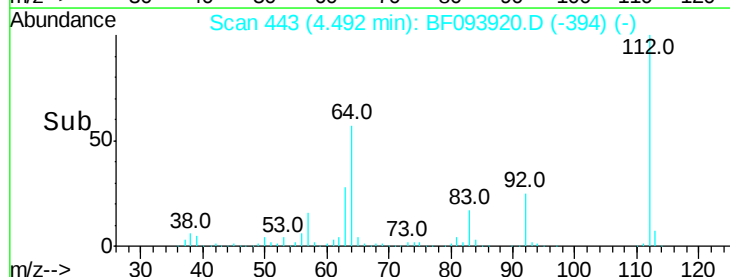
63 27.9 23.4 35.0

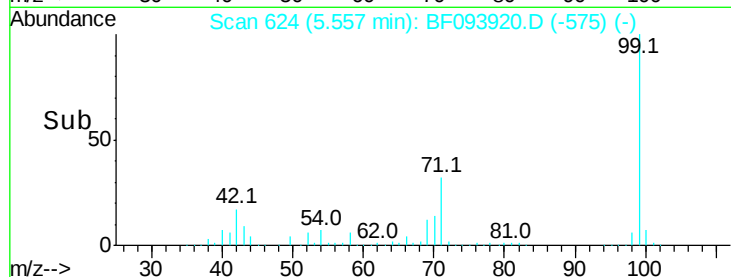
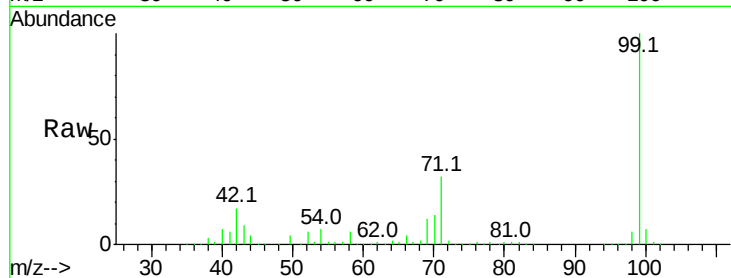
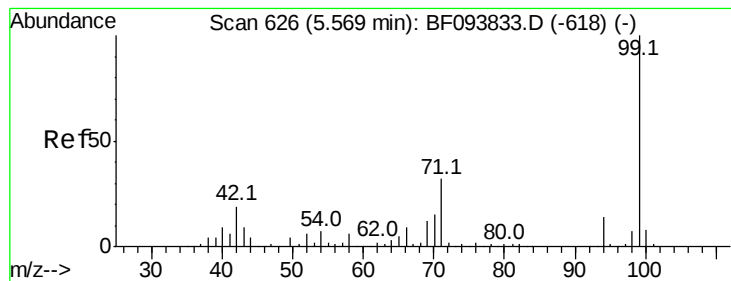


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.94 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

Instrument :

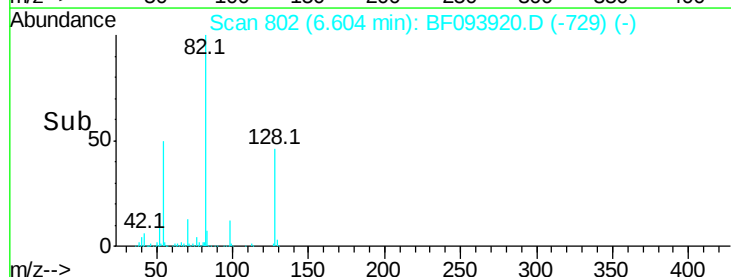
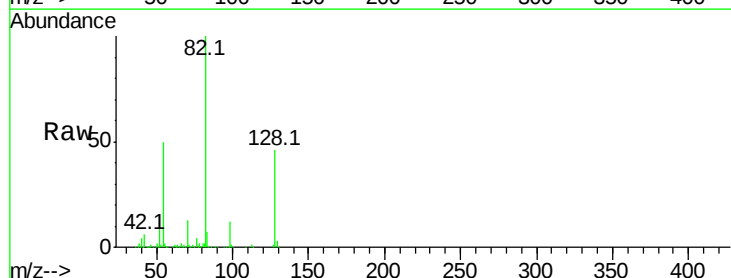
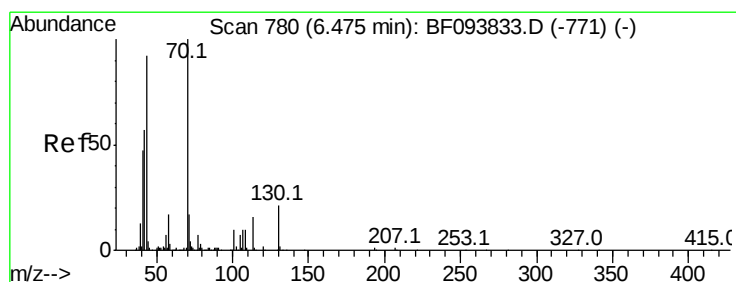
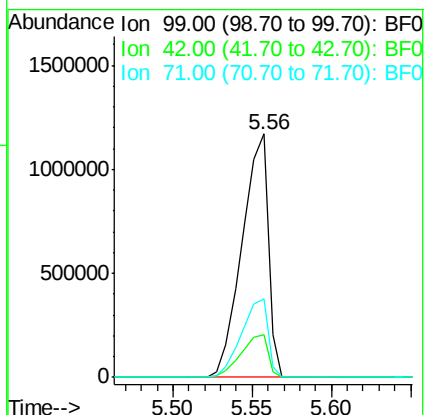
BNA_F

ClientSampleId :

1-1-2-DENSEGRADEAGGREGATE-

Tot Ion: 99 Resp: 1337854

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.5	20.3
71	32.3	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.53 ng

RT: 6.60 min Scan# 802

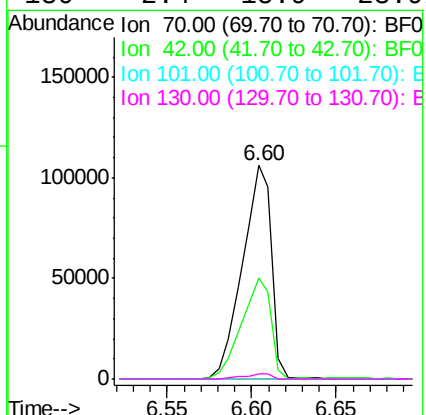
Delta R.T. 0.13 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

Tgt Ion: 70 Resp: 127276

Ion	Ratio	Lower	Upper
70	100		
42	47.2	47.2	70.8
101	0.0	7.2	10.8#
130	2.4	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.03 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSEGRADEAGGREGATE-

Tot Ion:136 Resp: 718437

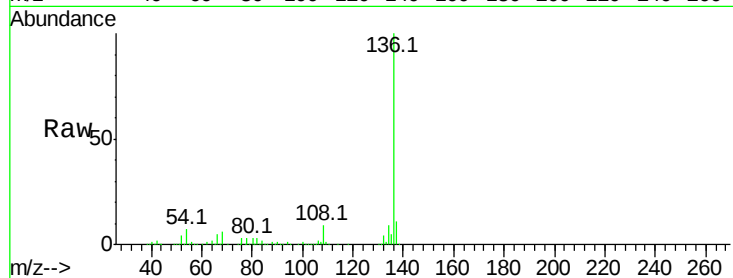
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.5 4.9 7.3#

68 5.9 4.1 6.1

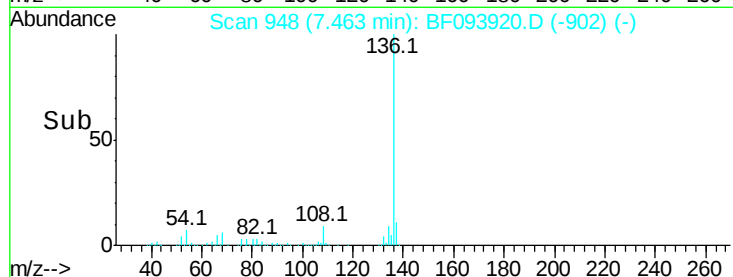


Abundance Ion 136.00 (135.70 to 136.70): E

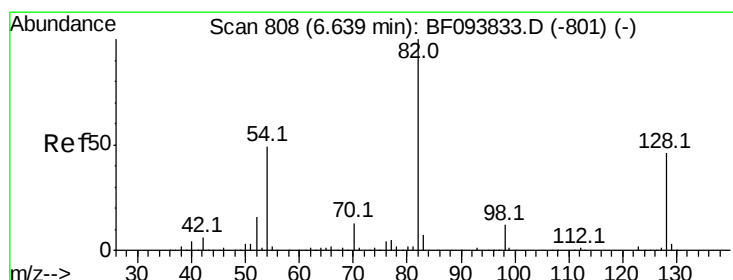
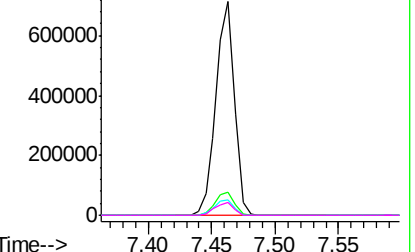
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 76.66 ng

RT: 6.60 min Scan# 802

Delta R.T. -0.04 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

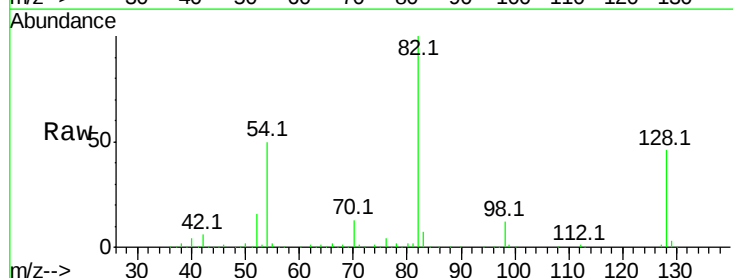
Tgt Ion: 82 Resp: 965132

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

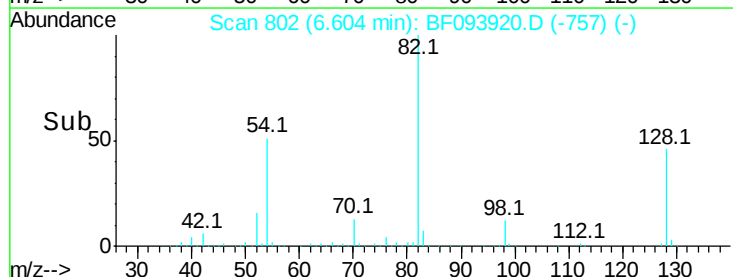
54 50.5 42.2 63.2



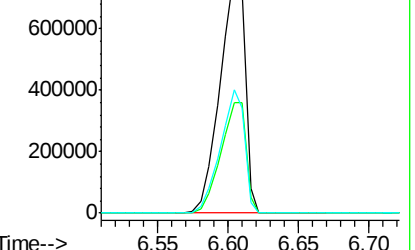
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

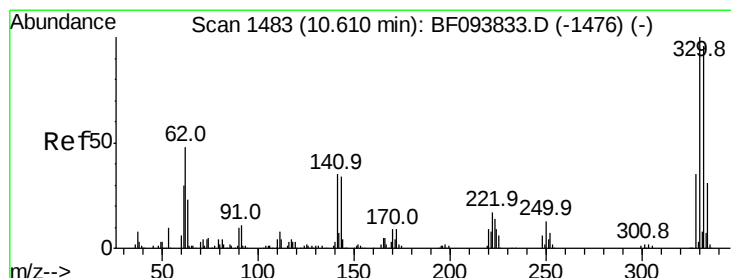
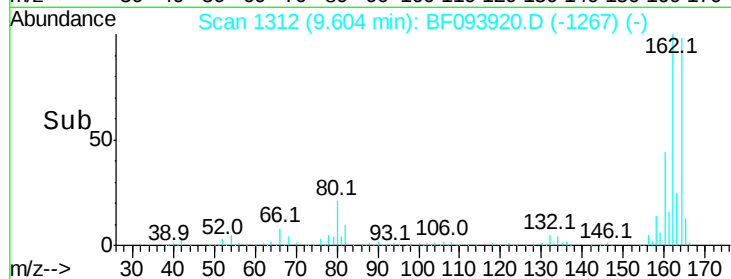
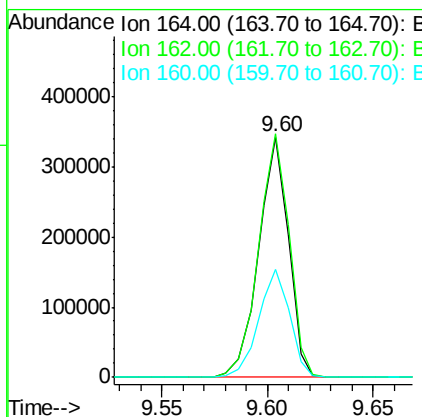
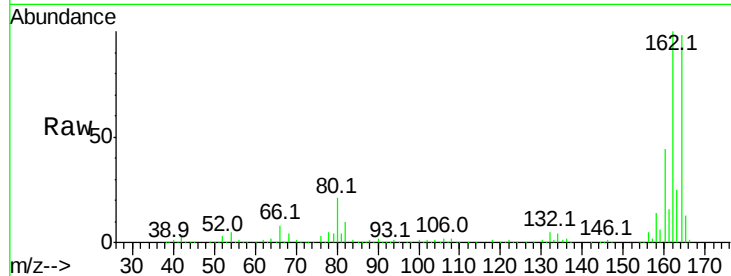




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF093920.D
 Acq: 24 Mar 2017 21:36

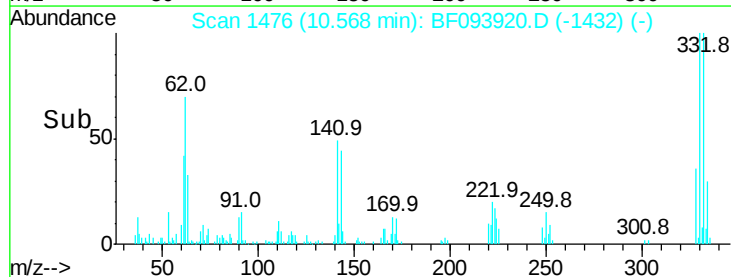
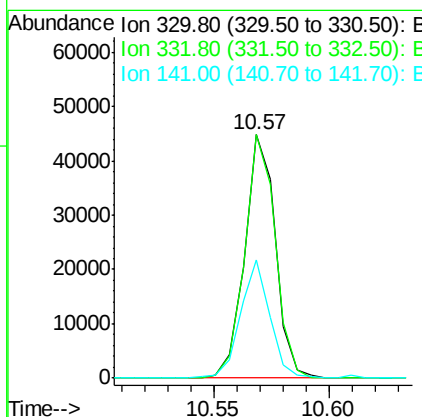
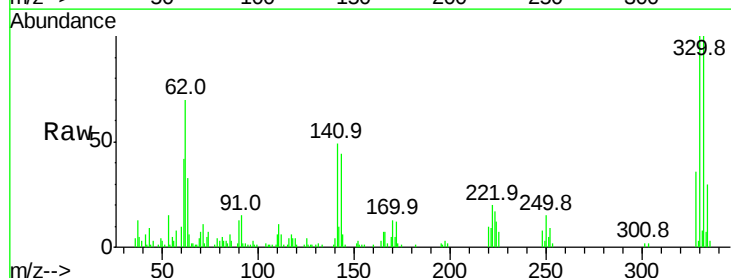
Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSEGRADEAGGREGATE-

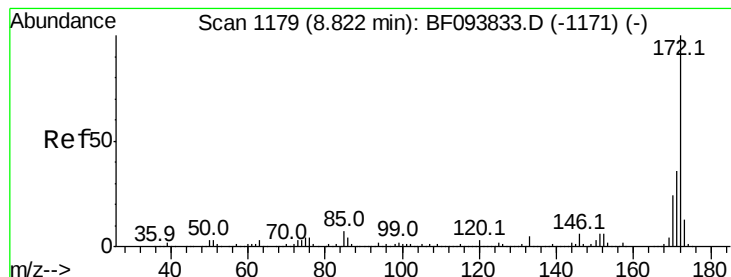
Tot Ion:164 Resp: 337069
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.6 123.8
 160 44.9 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 15.67 ng
 RT: 10.57 min Scan# 1476
 Delta R.T. -0.04 min
 Lab File: BF093920.D
 Acq: 24 Mar 2017 21:36

Tgt Ion:330 Resp: 41747
 Ion Ratio Lower Upper
 330 100
 332 99.2 76.6 115.0
 141 46.5 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 78.00 ng

RT: 8.79 min Scan# 1173

Delta R.T. -0.04 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSEGRADEAGGREGATE-

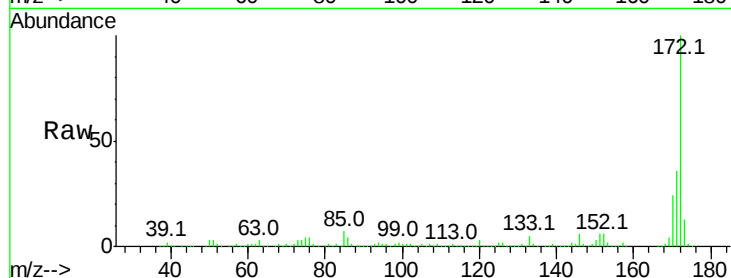
Tot Ion:172 Resp: 1723633

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

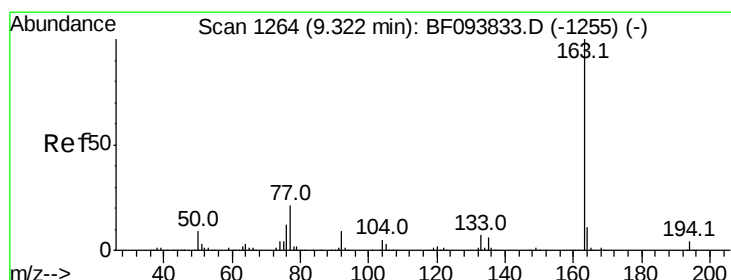
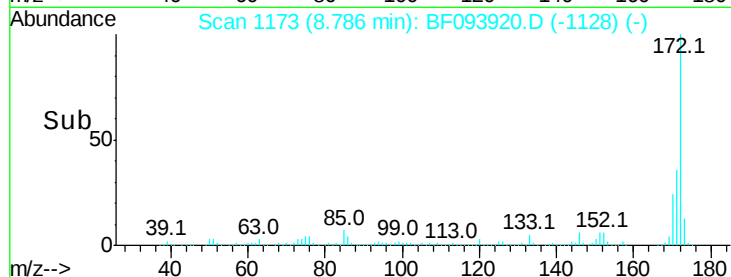
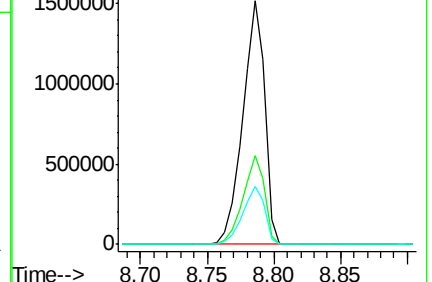
170 23.9 19.8 29.8



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



#49

Dimethylphthalate

Concen: 4.73 ng

RT: 9.28 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

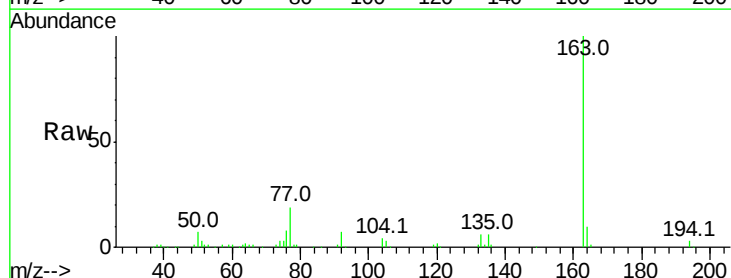
Tgt Ion:163 Resp: 113311

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

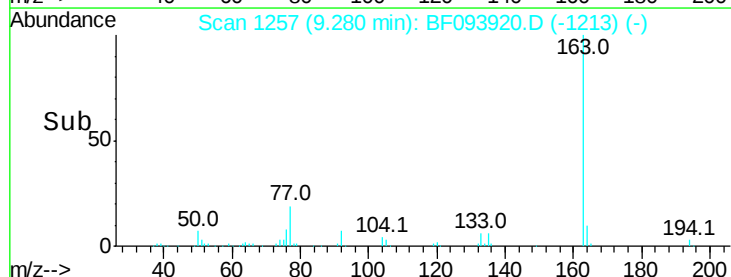
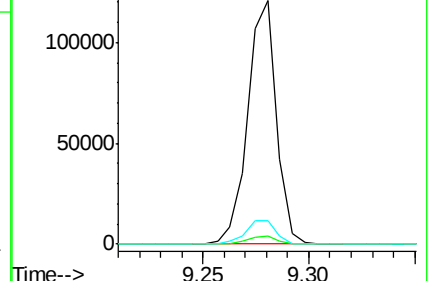
164 9.7 8.4 12.6



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

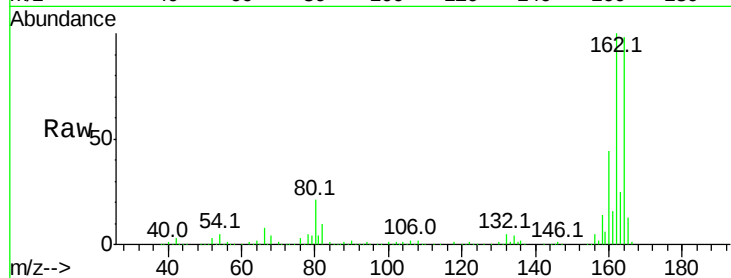




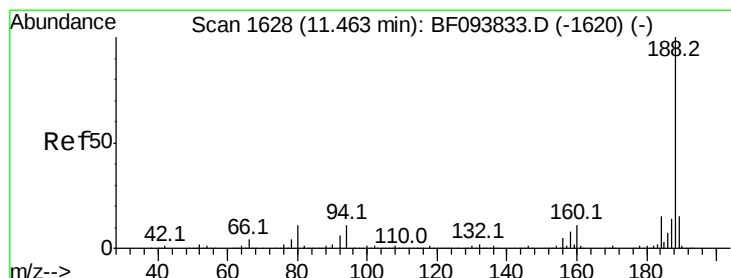
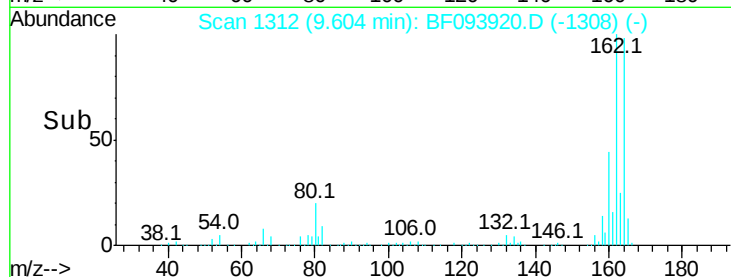
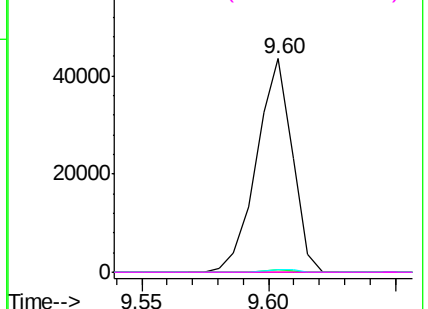
#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.28 min
 Lab File: BF093920.D
 Acq: 24 Mar 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSEGRADEAGGREGATE-

Tot Ion:165 Resp: 42642
 Ion Ratio Lower Upper
 165 100
 63 1.0 25.4 38.0#
 89 1.1 46.4 69.6#
 182 0.0 1.8 2.6#

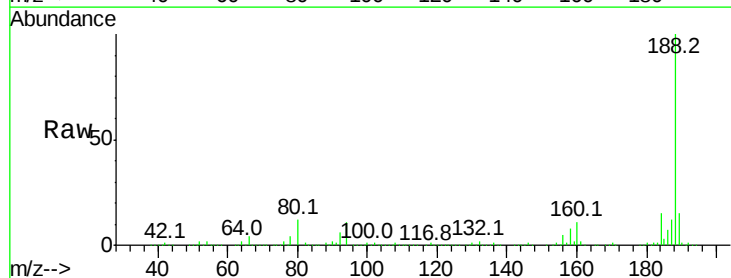


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

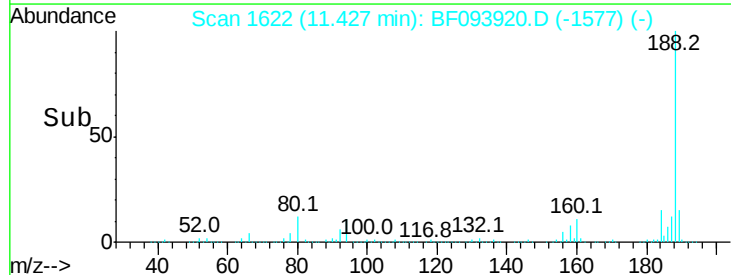
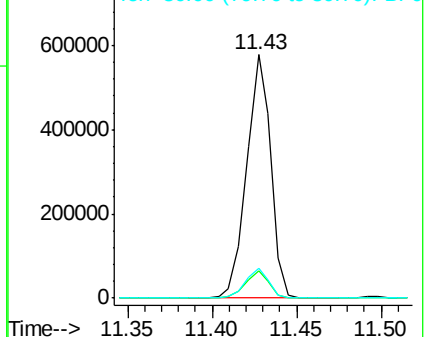


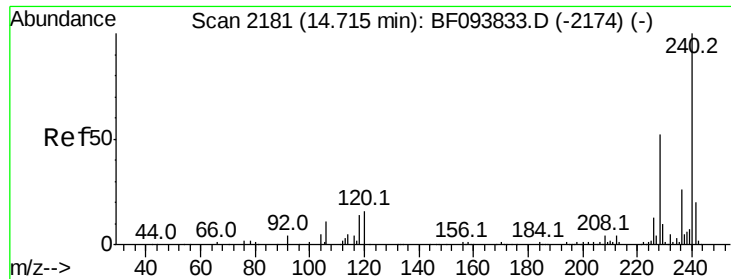
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1622
 Delta R.T. -0.04 min
 Lab File: BF093920.D
 Acq: 24 Mar 2017 21:36

Tgt Ion:188 Resp: 574707
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 12.2 10.2 15.2



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: 14.68 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSEGRADEAGGREGATE-

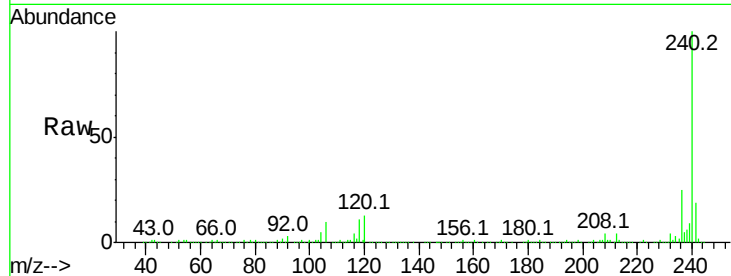
Tot Ion:240 Resp: 446519

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

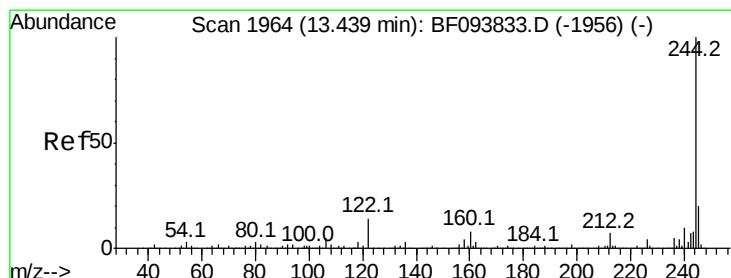
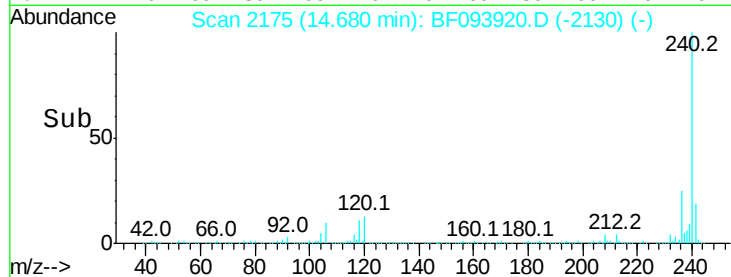
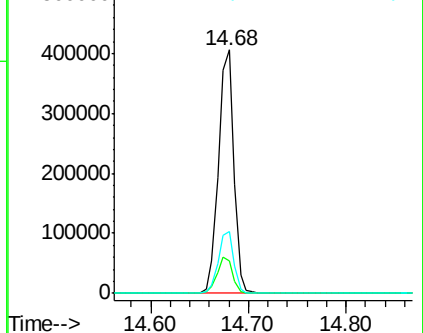
236 25.2 20.5 30.7



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: 70.42 ng

RT: 13.41 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BF093920.D

Acq: 24 Mar 2017 21:36

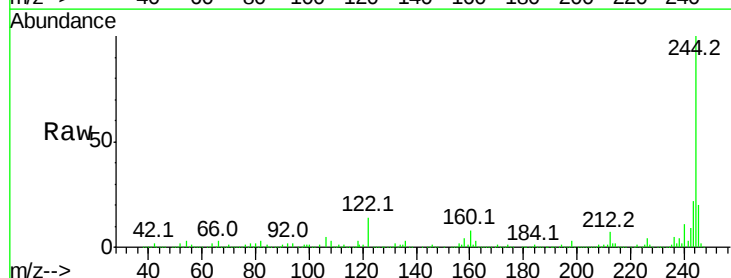
Tgt Ion:244 Resp: 1402876

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

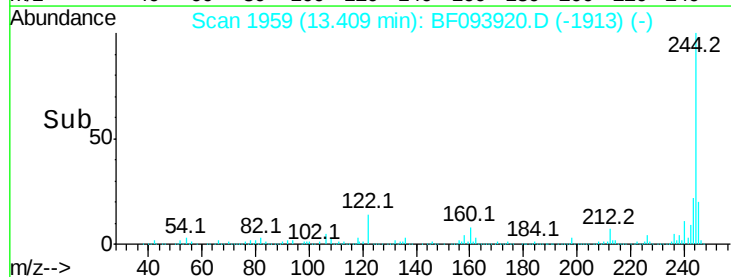
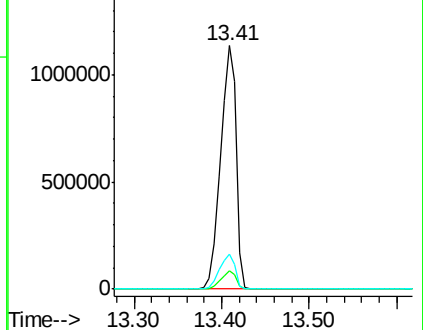
122 14.3 10.3 15.5

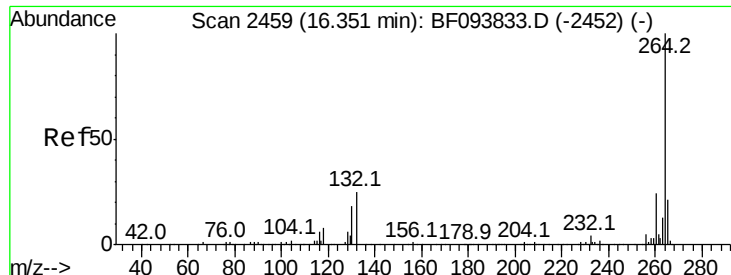


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

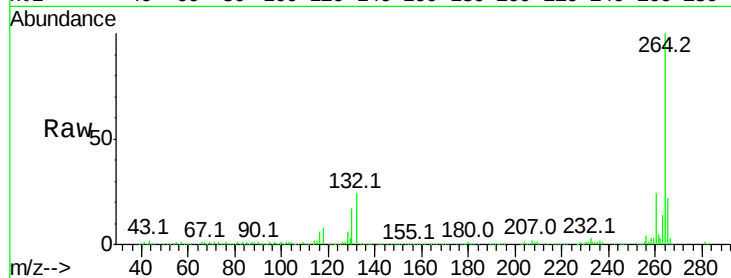




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.32 min Scan# 2453
 Delta R.T. -0.04 min
 Lab File: BF093920.D
 Acq: 24 Mar 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSEGRADEAGGREGATE-

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.1	17.2	25.8



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

