

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094564.D
 Acq On : 21 Apr 2017 16:00
 Operator : SJ/MA
 Sample : PB98392BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 21 23:33:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

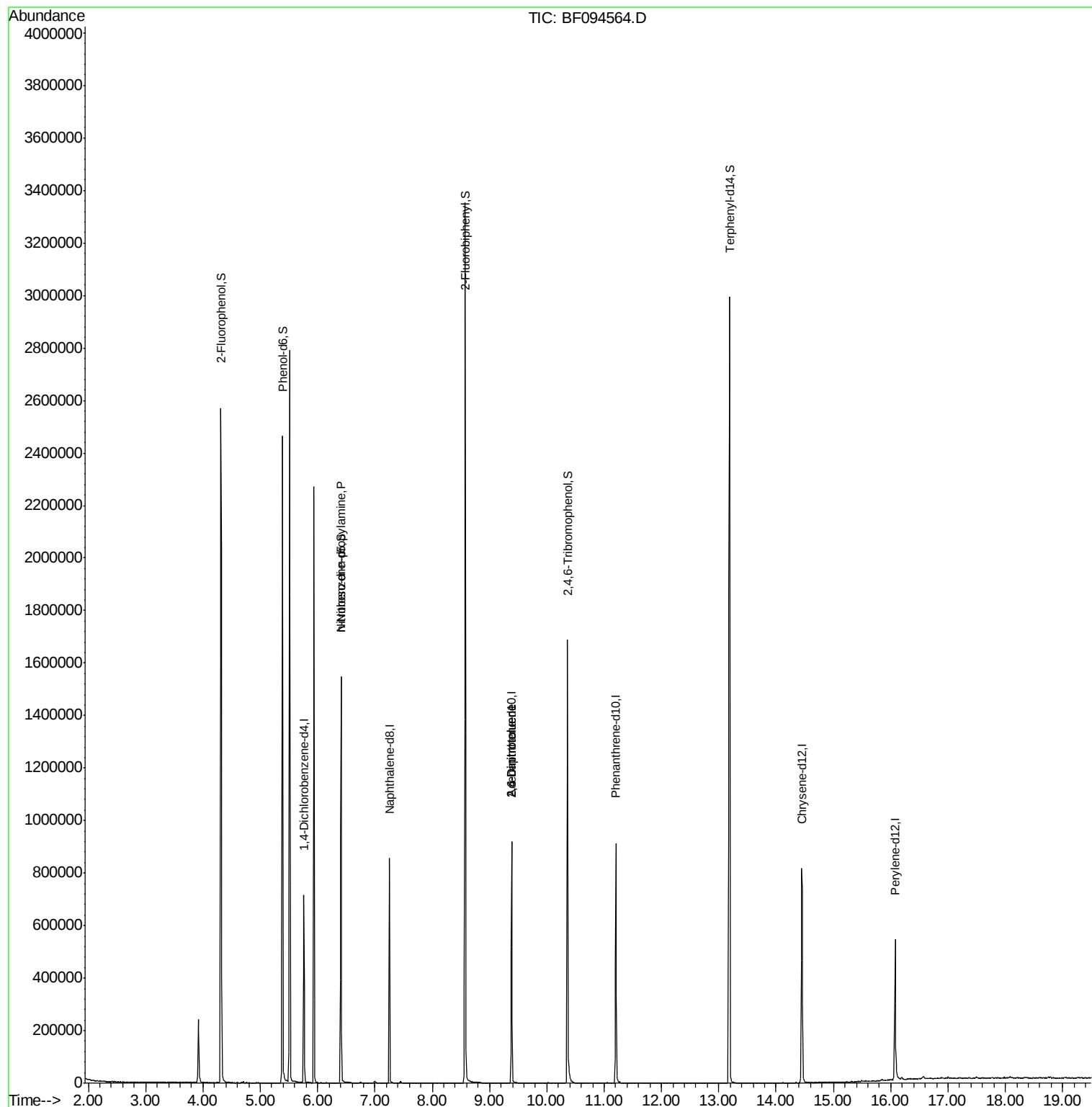
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	103337	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	415408	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	203639	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	392508	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	345445	20.00	ng	-0.02
86) Perylene-d12	16.08	264	250139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	795401	127.70	ng	0.00
7) Phenol-d6	5.39	99	939004	127.88	ng	0.00
23) Nitrobenzene-d5	6.41	82	580061	86.22	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	223960	140.60	ng	-0.01
44) 2-Fluorobiphenyl	8.58	172	1185932	85.69	ng	0.00
78) Terphenyl-d14	13.19	244	1169032	90.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	76469	15.72	ng	# 79
50) 2,6-Dinitrotoluene	9.38	165	25905	7.60	ng	# 31
56) 2,4-Dinitrotoluene	9.38	165	25905	6.20	ng	# 31

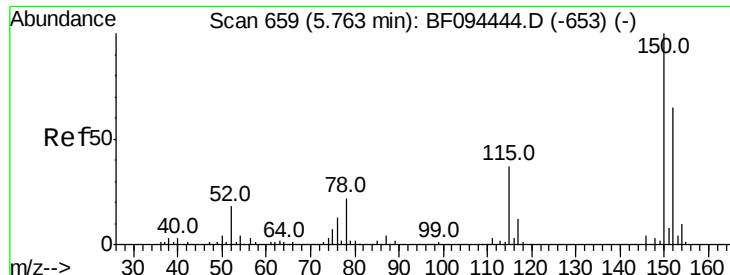
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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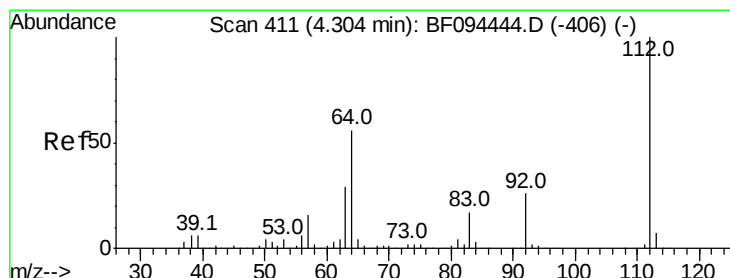
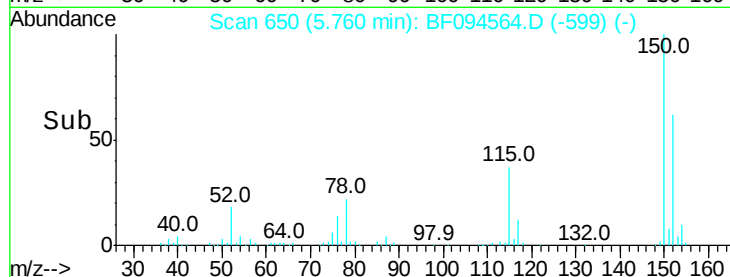
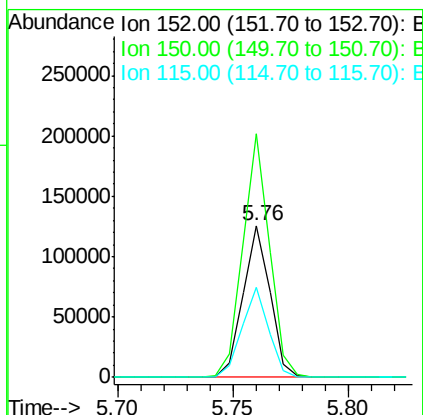
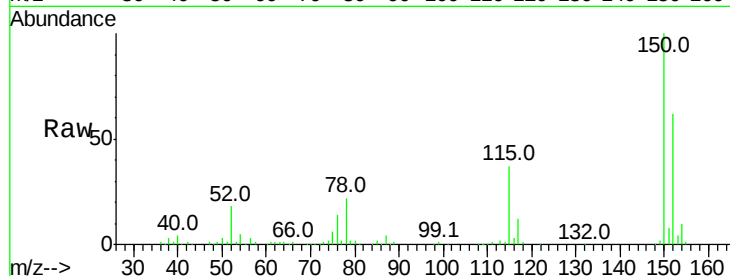


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094564.D
Acq: 21 Apr 2017 16:00

Instrument :
BNA_F
ClientSampleId :

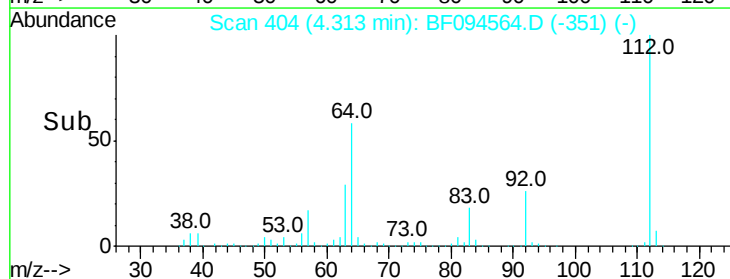
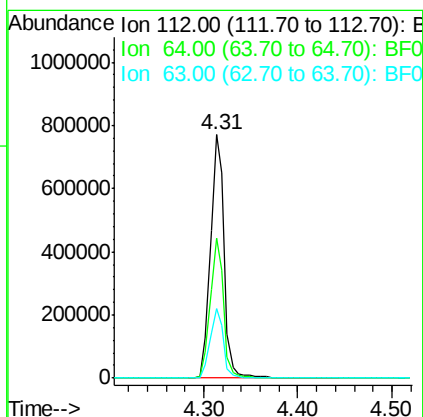
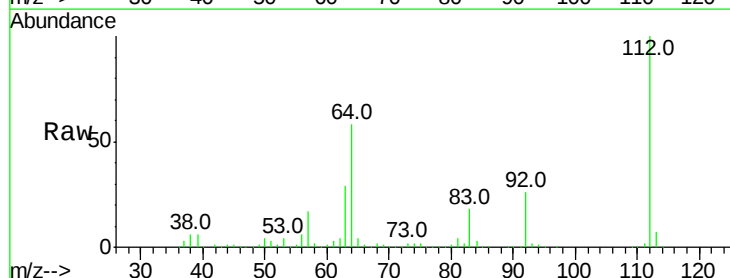
Tot Ion:152 Resp: 103337
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 59.7 52.2 78.2

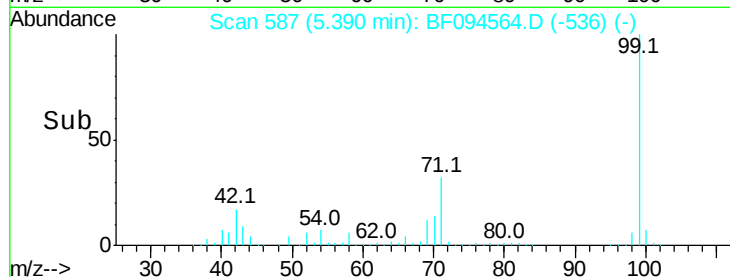
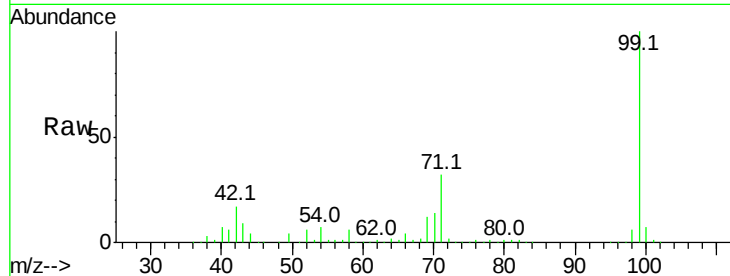
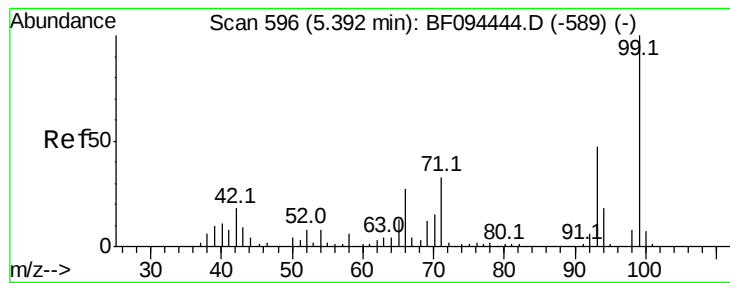


#5

2-Fluorophenol
Concen: 127.70 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094564.D
Acq: 21 Apr 2017 16:00

Tgt Ion:112 Resp: 795401
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 28.8 23.4 35.0





#7

Phenol-d6

Concen: 127.88 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

Instrument :

BNA_F

ClientSampled :

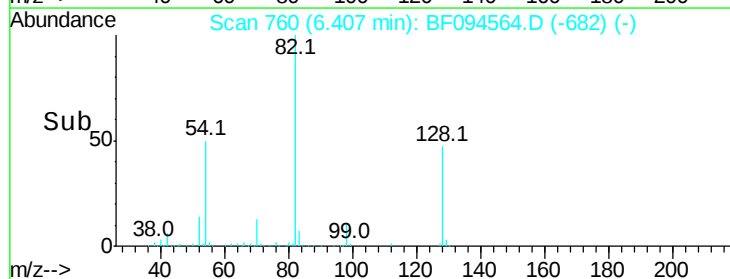
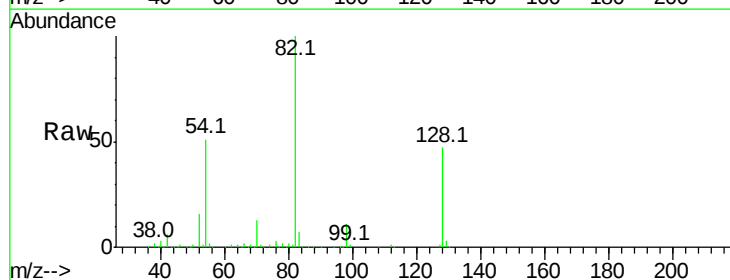
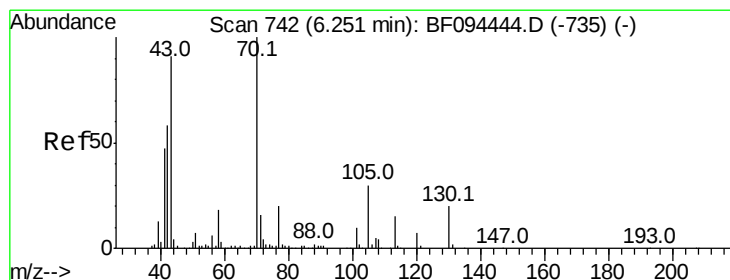
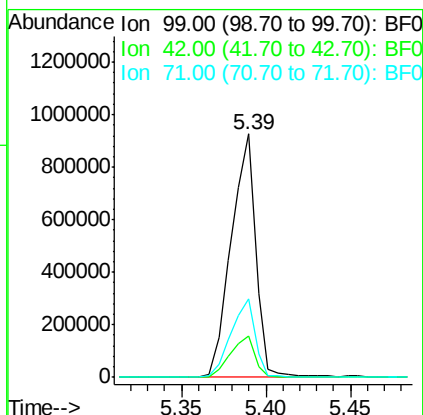
Tot Ion: 99 Resp: 939004

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

71 32.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.72 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

Tgt Ion: 70 Resp: 76469

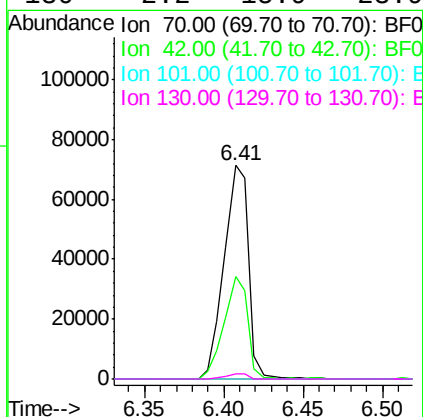
Ion Ratio Lower Upper

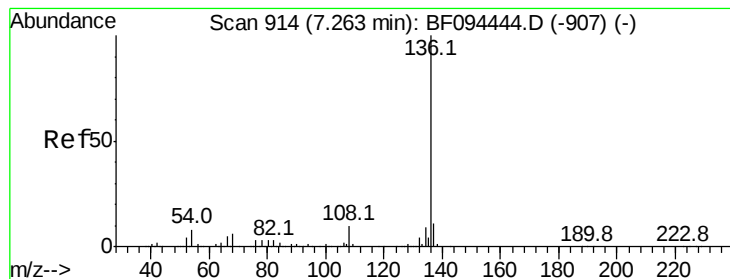
70 100

42 47.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415408

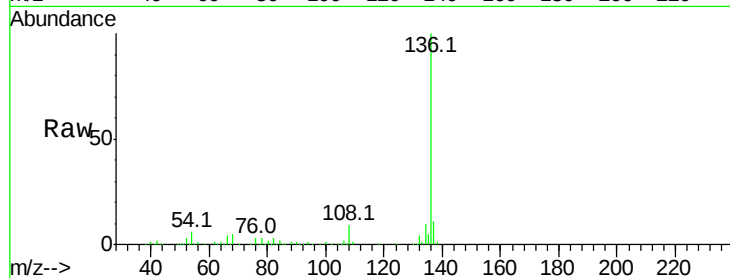
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.5 4.9 7.3

68 5.5 4.1 6.1

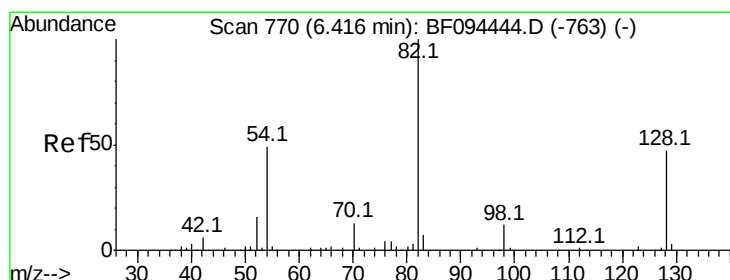
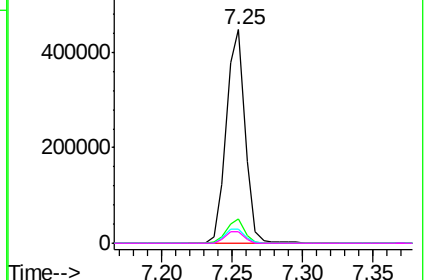
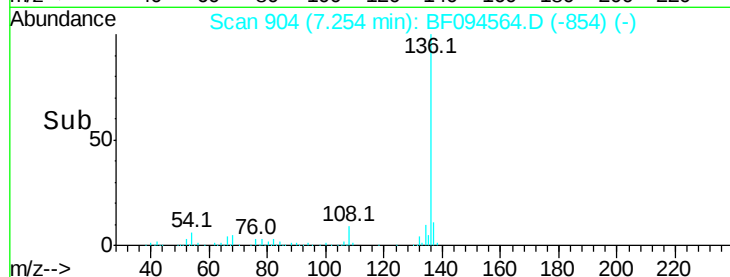


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 86.22 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

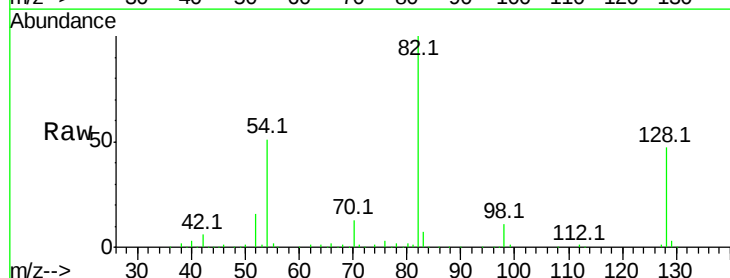
Tgt Ion: 82 Resp: 580061

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

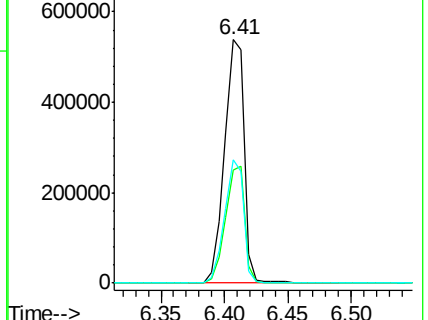
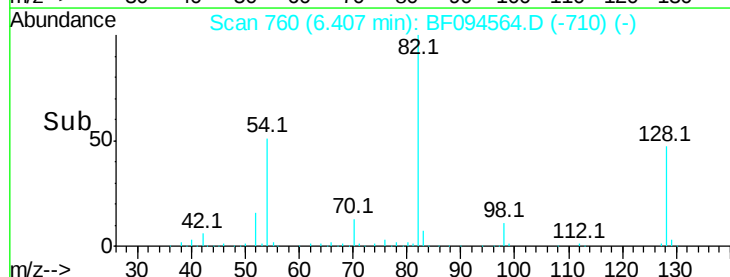
54 50.7 42.2 63.2



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

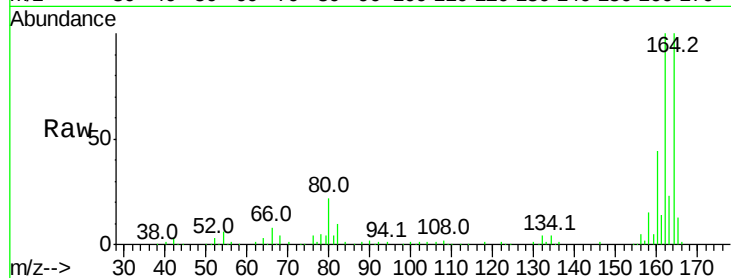
Tot Ion:164 Resp: 203639

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

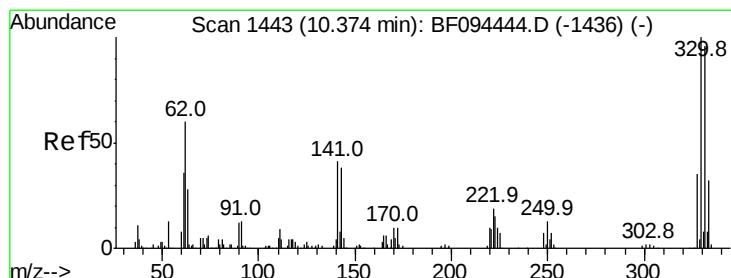
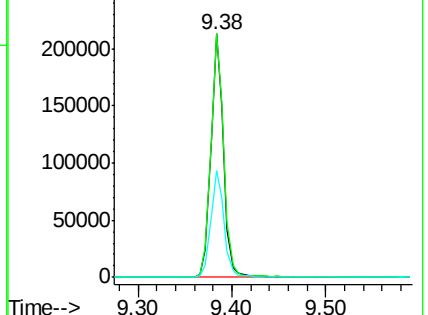
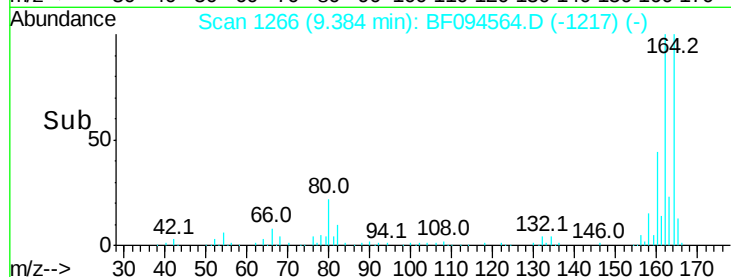
160 43.7 36.2 54.2



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: 140.60 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

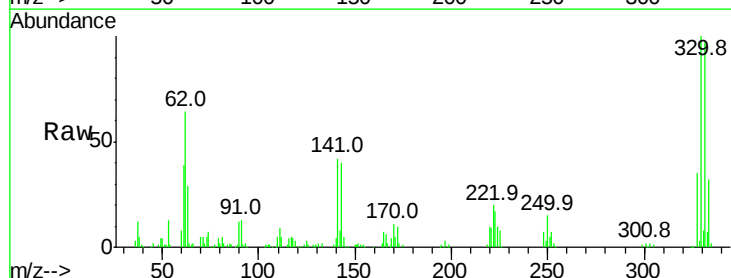
Tgt Ion:330 Resp: 223960

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

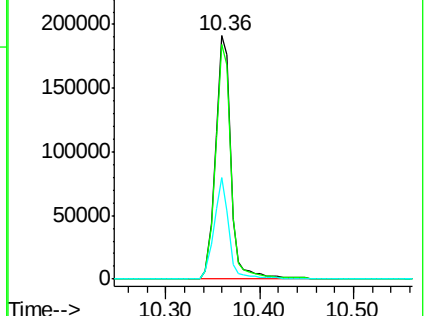
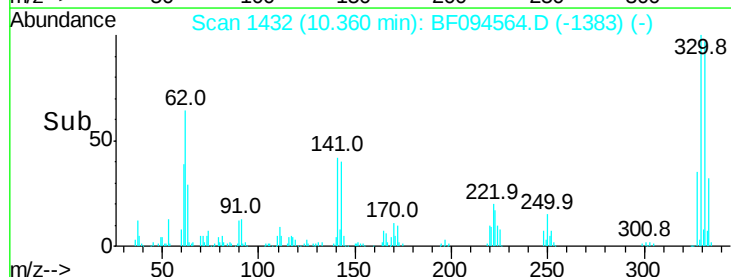
141 40.1 31.4 47.2

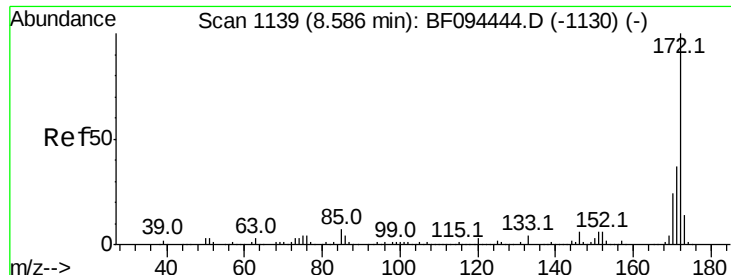


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



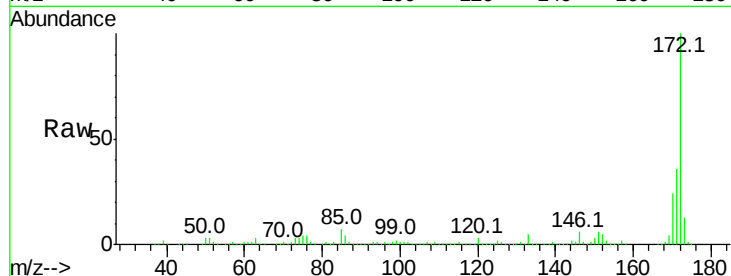


#44
 2-Fluorobiphenyl
 Concen: 85.69 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094564.D
 Acq: 21 Apr 2017 16:00

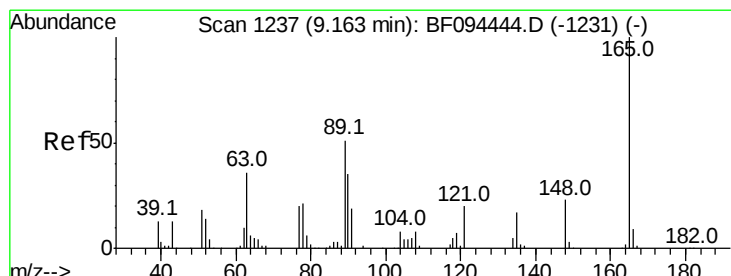
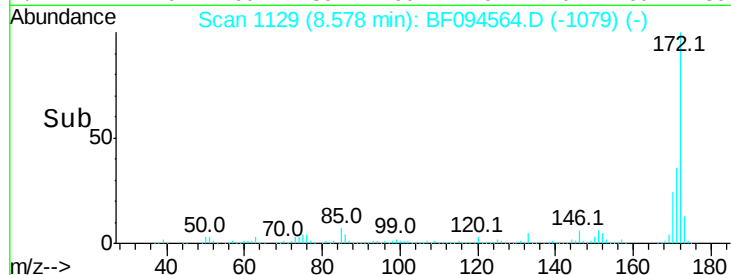
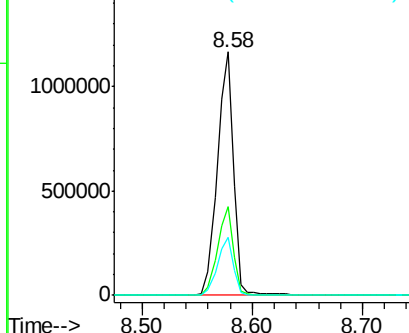
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1185932

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8



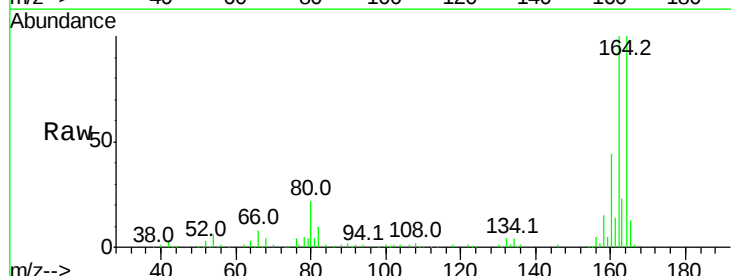
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



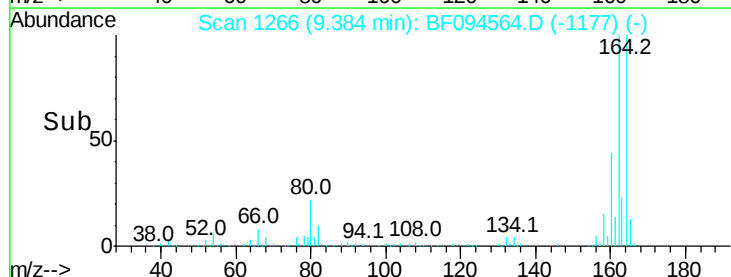
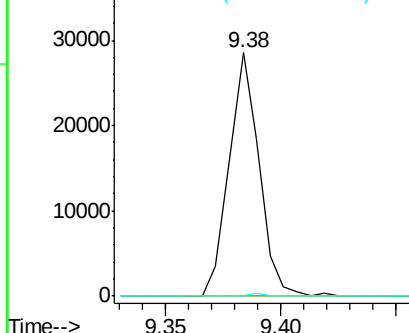
#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. 0.22 min
 Lab File: BF094564.D
 Acq: 21 Apr 2017 16:00

Tgt Ion:165 Resp: 25905

Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



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

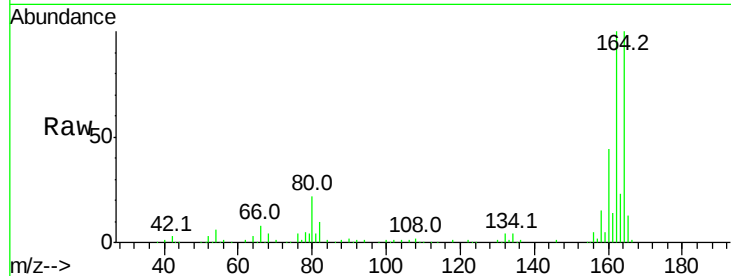




#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.27 min
 Lab File: BF094564.D
 Acq: 21 Apr 2017 16:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	25905
Ion Ratio	Lower	Upper	
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

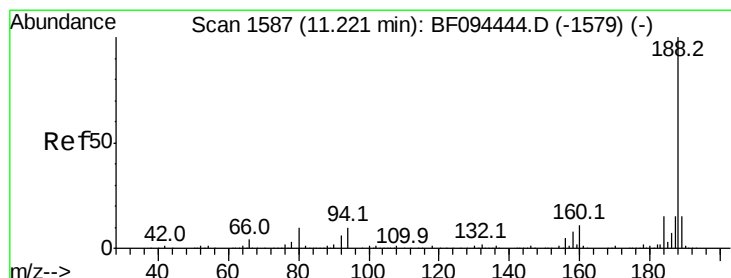
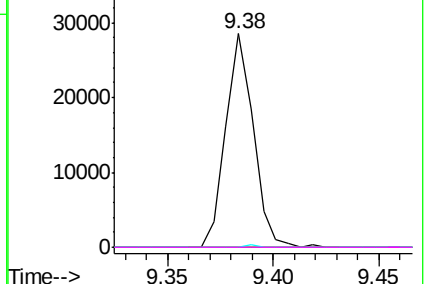
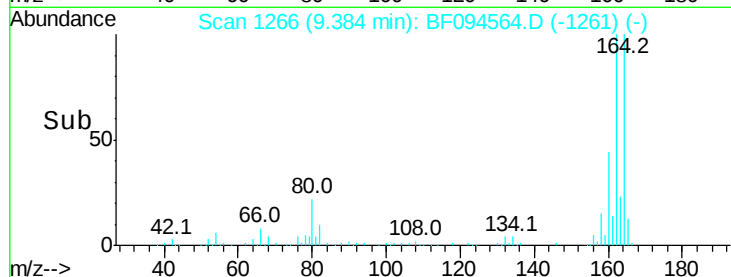


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

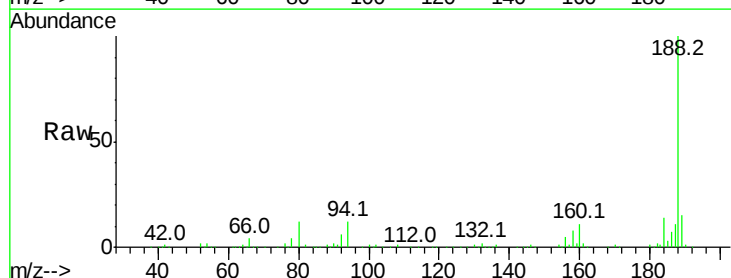
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094564.D
 Acq: 21 Apr 2017 16:00

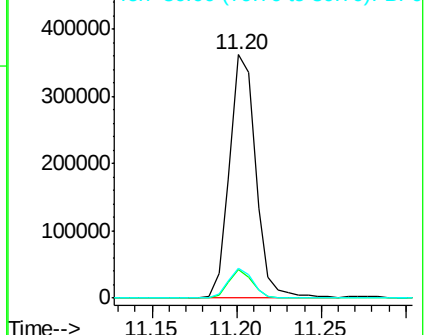
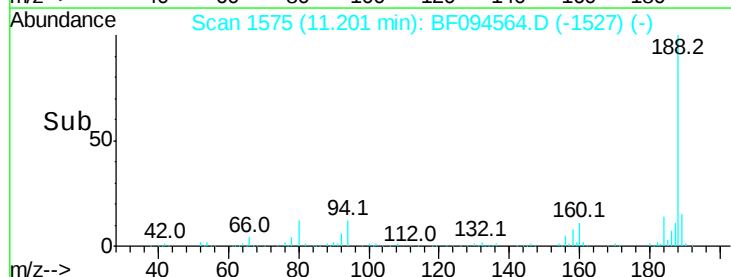
Tgt Ion:	188	Resp:	392508
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.4	10.2	15.2

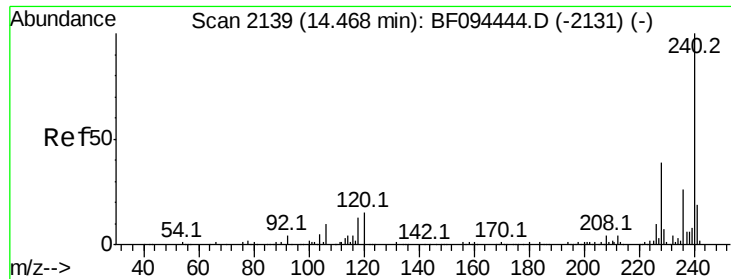


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

Instrument :

BNA_F

ClientSampleId :

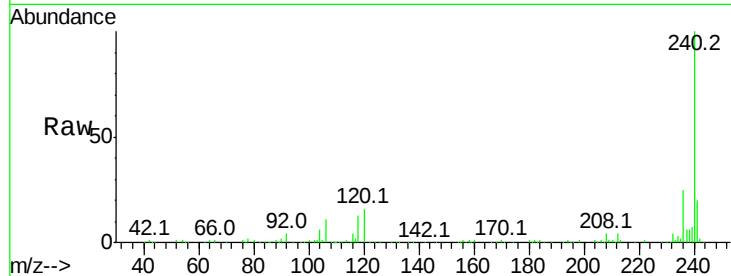
Tot Ion:240 Resp: 345445

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

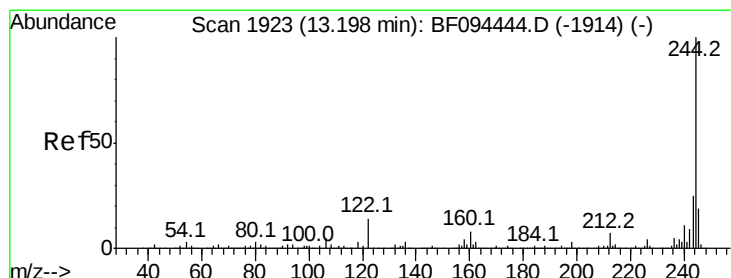
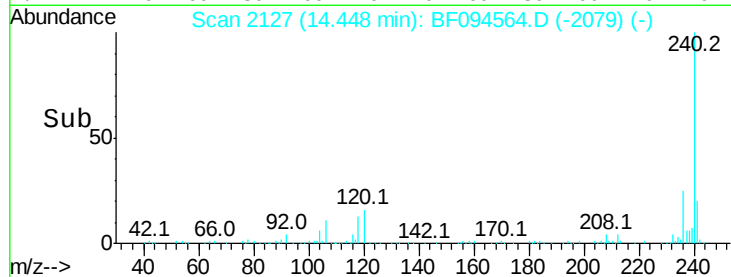
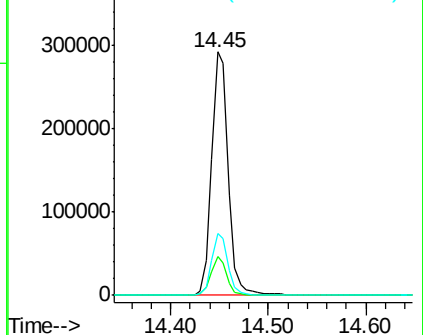
236 25.3 20.5 30.7



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: 90.46 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094564.D

Acq: 21 Apr 2017 16:00

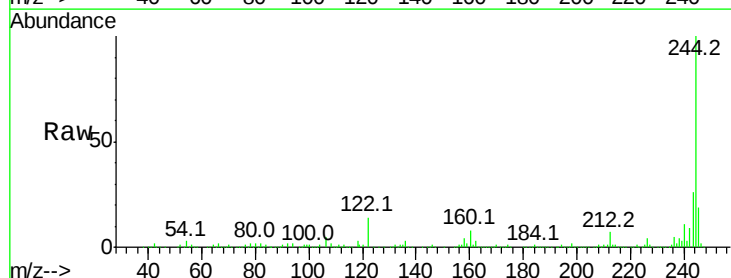
Tgt Ion:244 Resp: 1169032

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

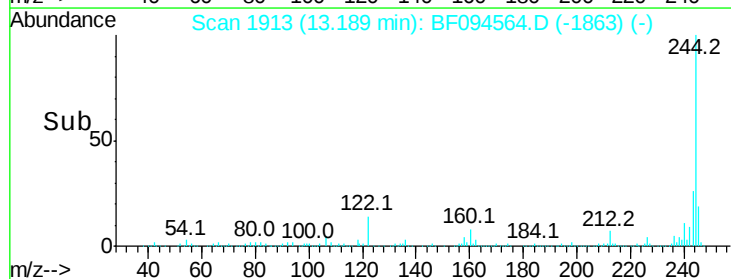
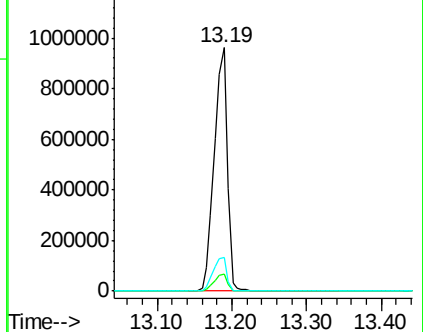
122 13.6 10.3 15.5

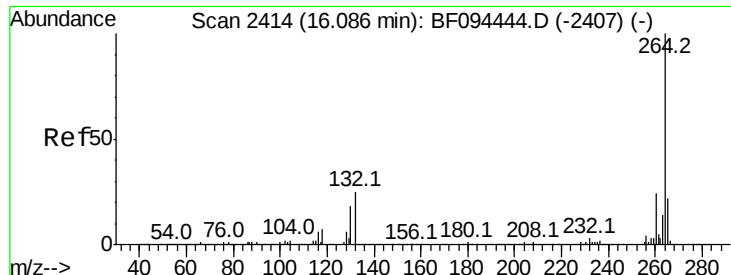


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

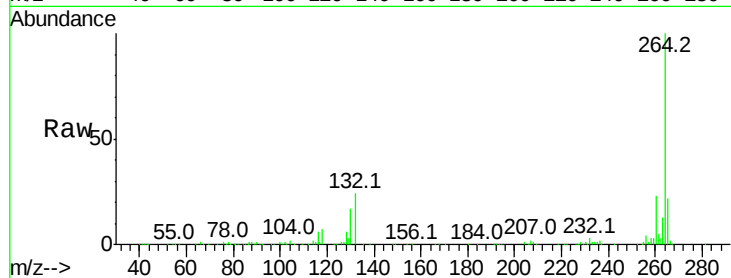




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094564.D
Acq: 21 Apr 2017 16:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.6	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

