

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041417\
 Data File : BF094432.D
 Acq On : 14 Apr 2017 17:01
 Operator : SJ/MA
 Sample : PB98252BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 23:35:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 16:39:08 2017
 Response via : Initial Calibration

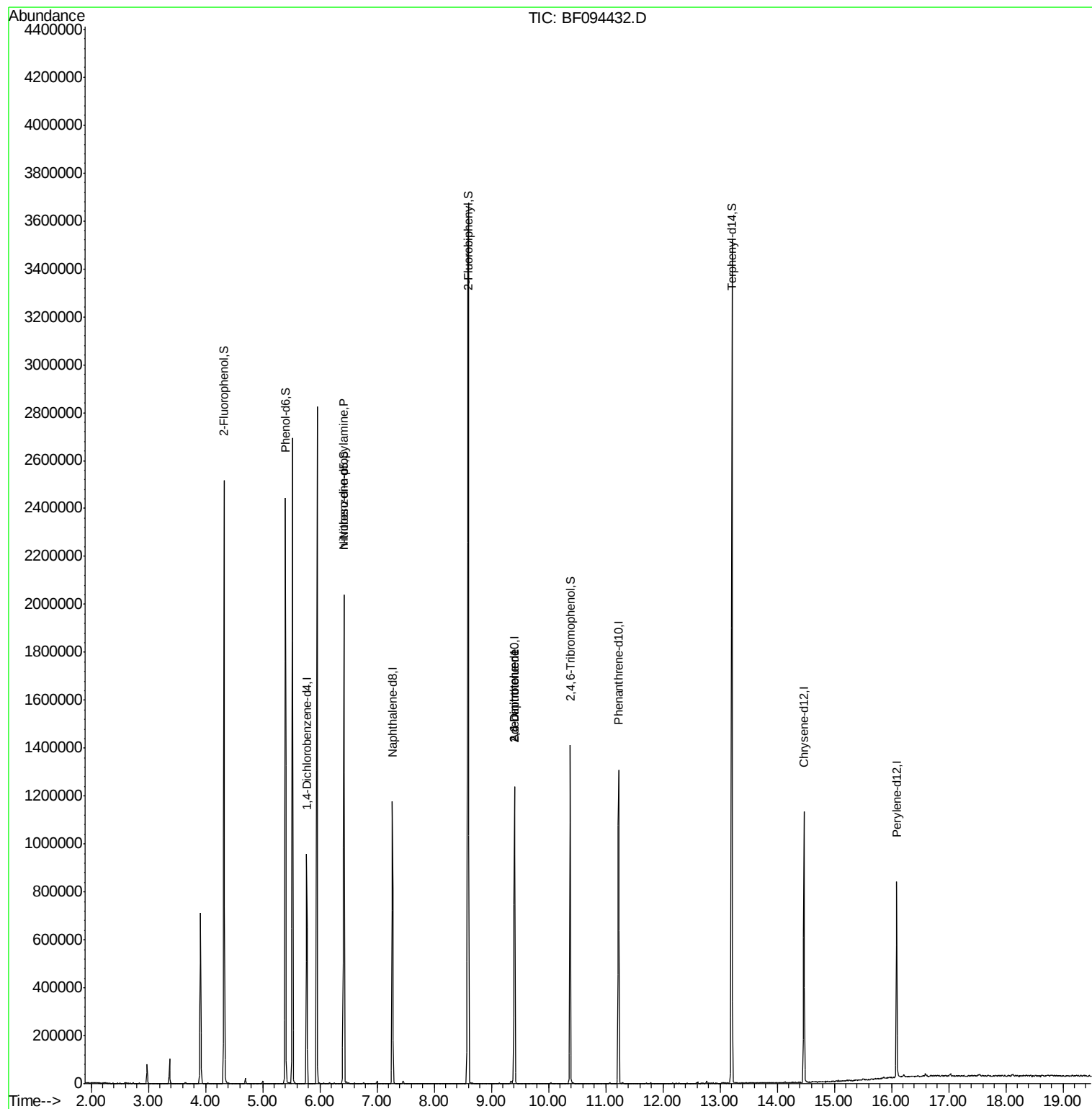
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	147473	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	593331	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	280059	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	521176	20.00	ng	0.00
75) Chrysene-d12	14.47	240	451898	20.00	ng	0.00
86) Perylene-d12	16.09	264	307749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	742113	84.99	ng	0.01
7) Phenol-d6	5.40	99	917693	84.96	ng	0.00
23) Nitrobenzene-d5	6.42	82	816846	78.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	169381	76.54	ng	-0.01
44) 2-Fluorobiphenyl	8.60	172	1523503	82.97	ng	0.00
78) Terphenyl-d14	13.21	244	1452740	72.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.42	70	107798	15.53	ng	# 77
50) 2,6-Dinitrotoluene	9.40	165	36255	7.94	ng	# 33
56) 2,4-Dinitrotoluene	9.40	165	36254	6.32	ng	# 33

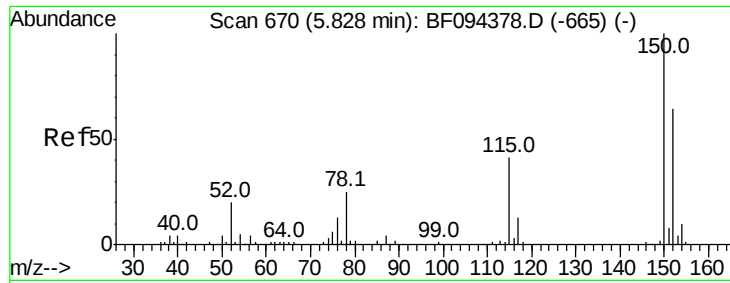
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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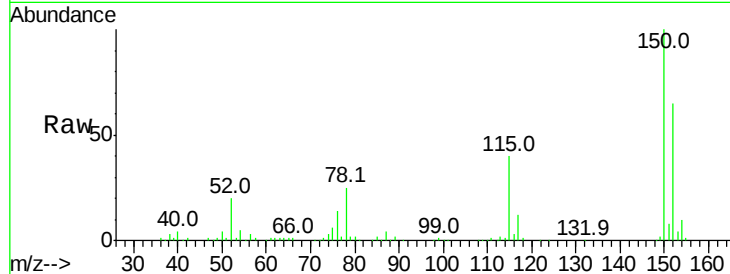


#1

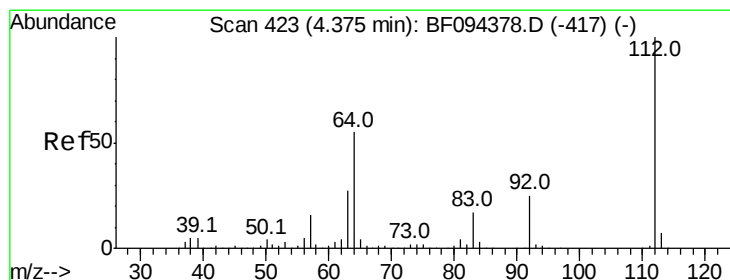
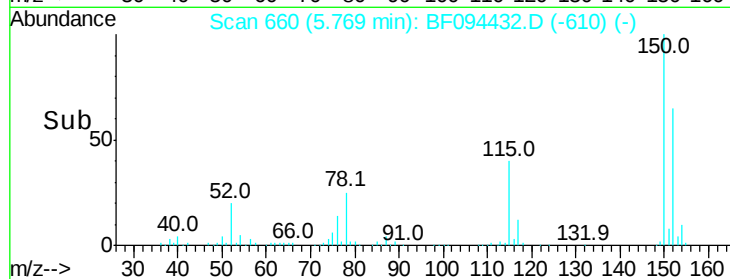
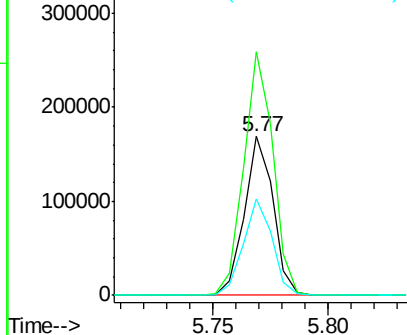
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 147473
 Ion Ratio Lower Upper
 152 100
 150 153.1 126.2 189.2
 115 61.0 52.2 78.2



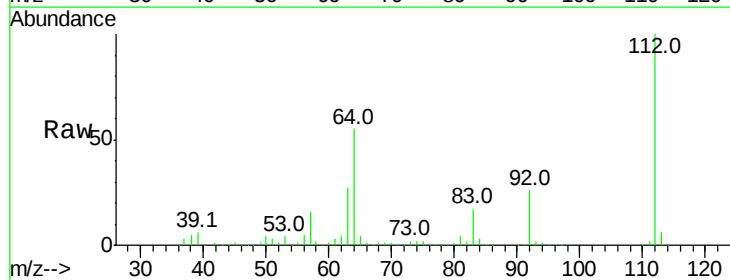
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



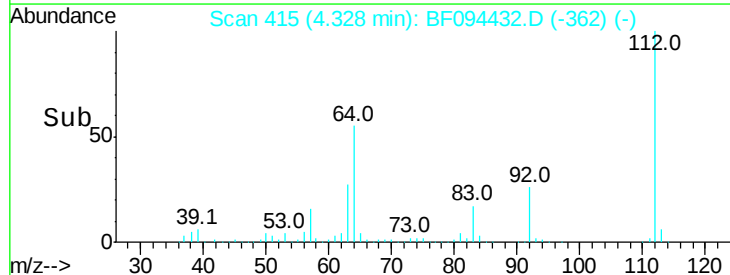
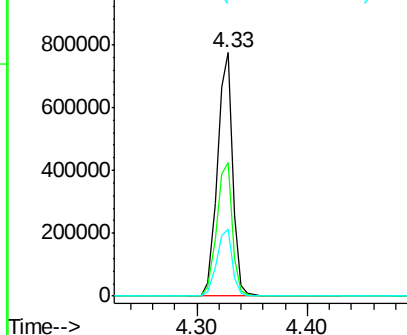
#5

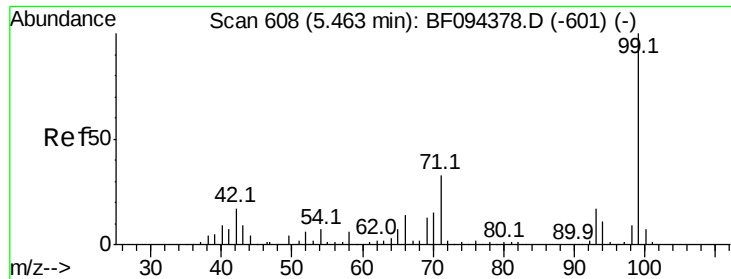
2-Fluorophenol
 Concen: 84.99 ng
 RT: 4.33 min Scan# 415
 Delta R.T. 0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Tgt Ion:112 Resp: 742113
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.0 69.0
 63 27.3 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: 84.96 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094432.D

Acq: 14 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

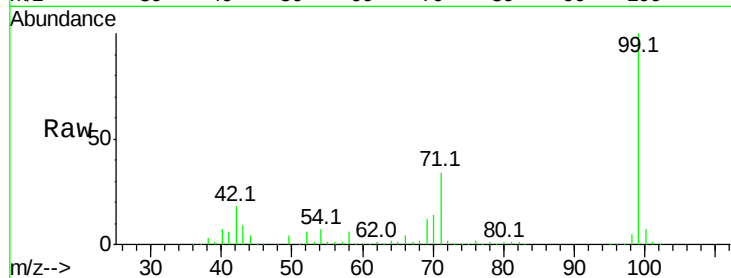
Tot Ion: 99 Resp: 917693

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

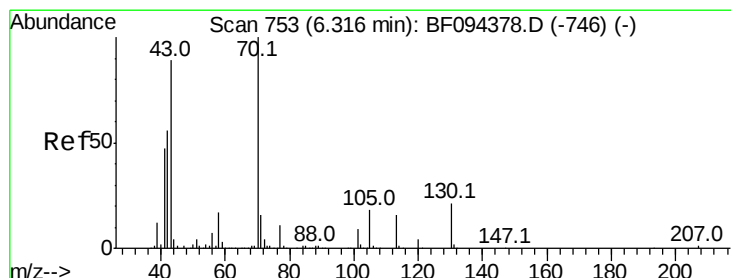
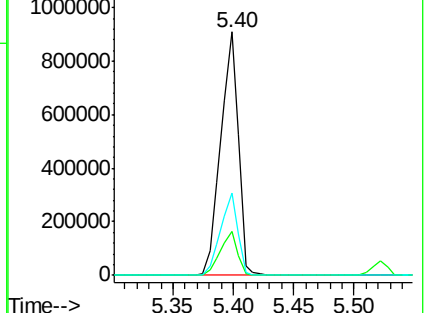
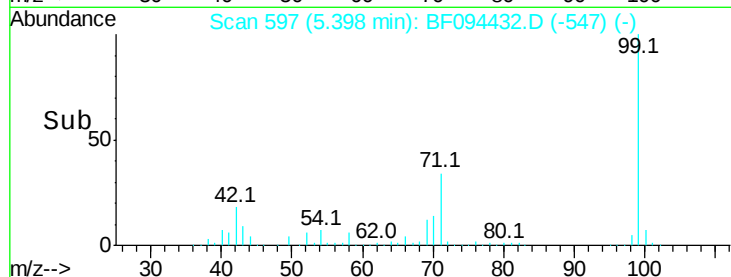
71 33.9 24.5 36.7



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: 15.53 ng

RT: 6.42 min Scan# 771

Delta R.T. 0.15 min

Lab File: BF094432.D

Acq: 14 Apr 2017 17:01

Tgt Ion: 70 Resp: 107798

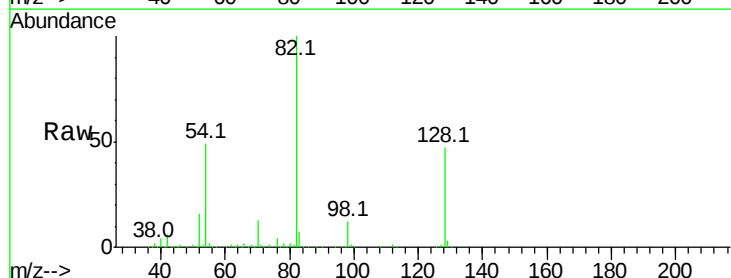
Ion Ratio Lower Upper

70 100

42 45.6 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

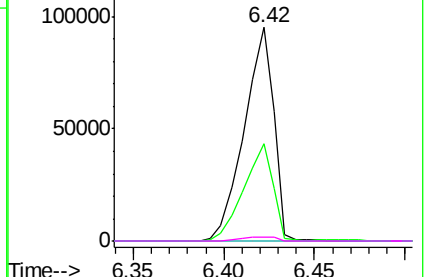
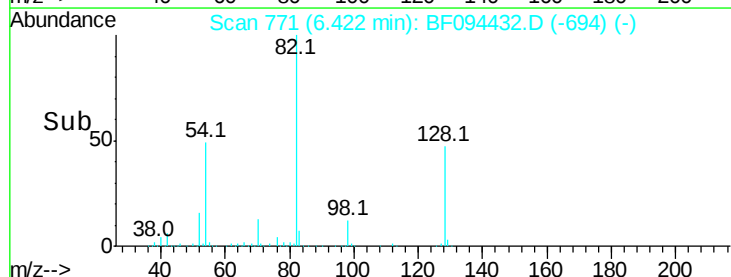


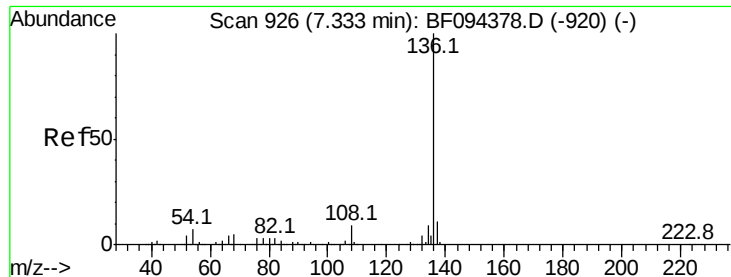
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF094432.D

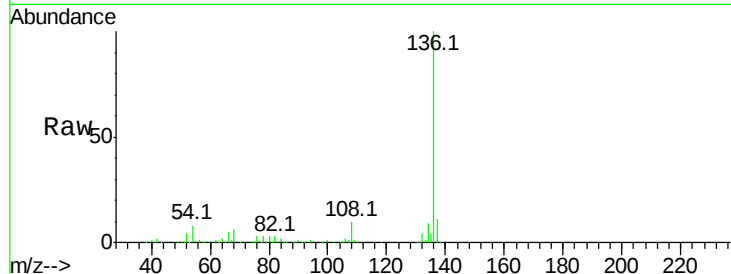
Acq: 14 Apr 2017 17:01

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	593331
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.5 12.7
54	7.7	4.9 7.3#
68	5.6	4.1 6.1

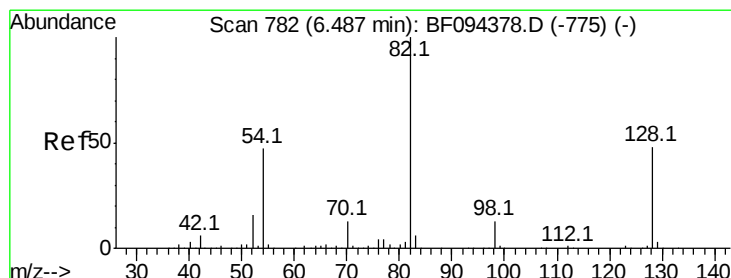
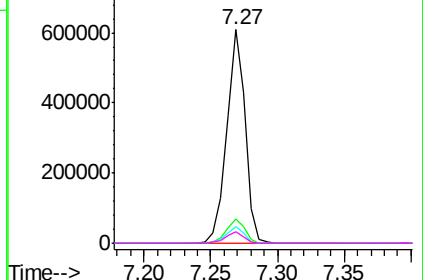
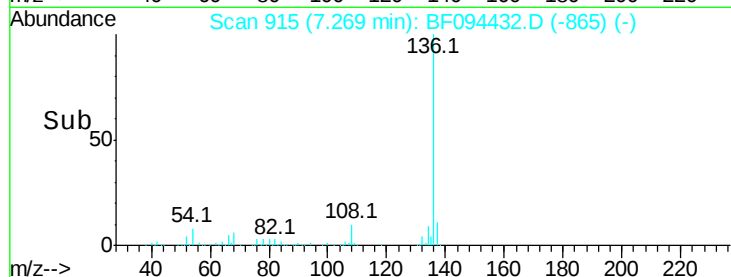


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.57 ng

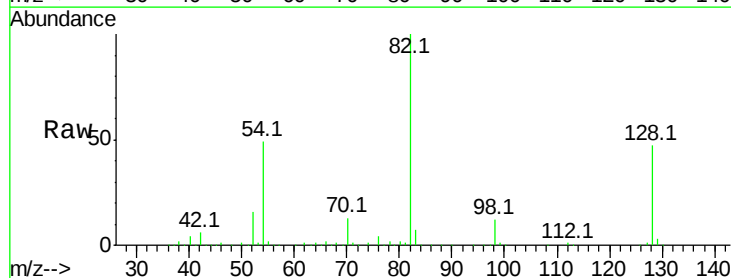
RT: 6.42 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF094432.D

Acq: 14 Apr 2017 17:01

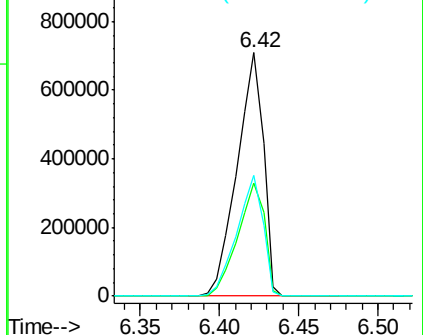
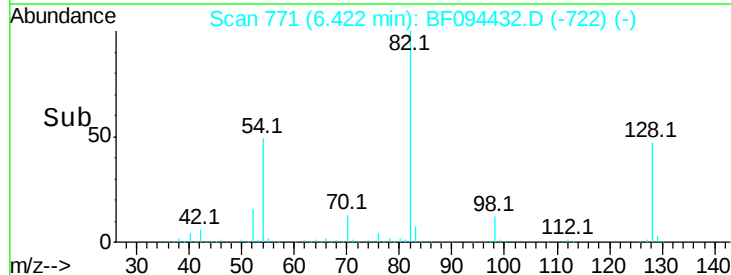
Tgt Ion: 82	Resp:	816846
Ion Ratio	Lower	Upper
82	100	
128	46.5	34.0 51.0
54	49.4	42.2 63.2

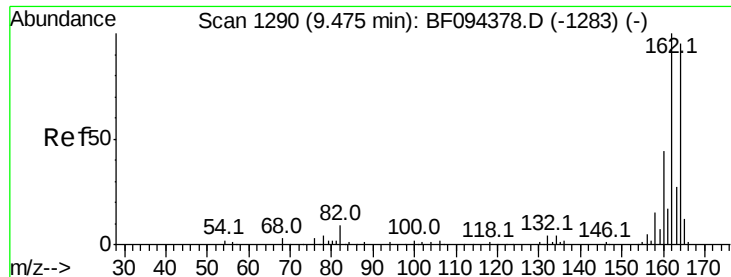


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

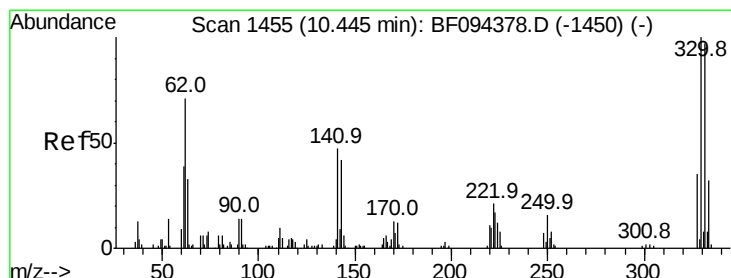
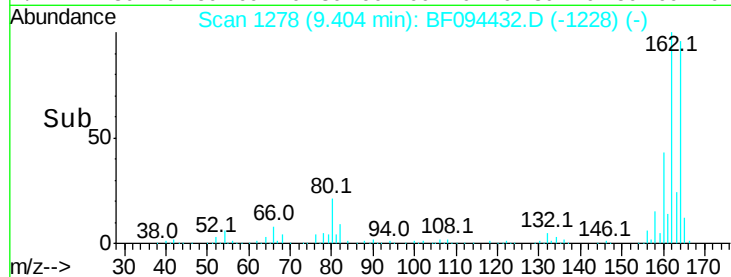
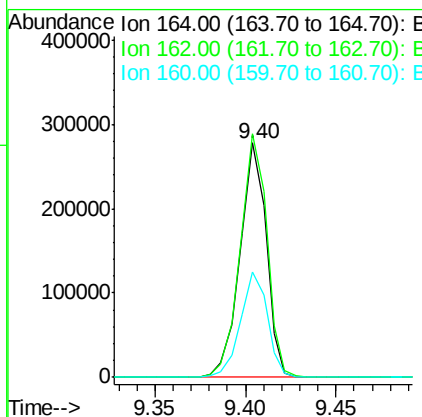
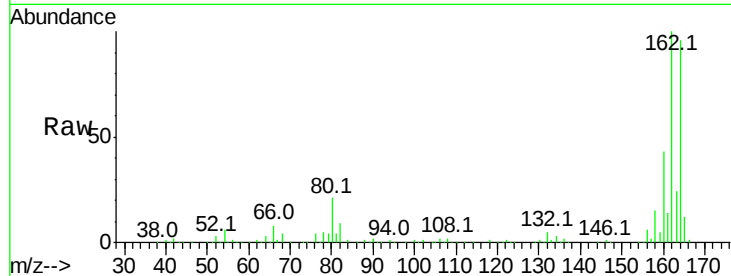




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

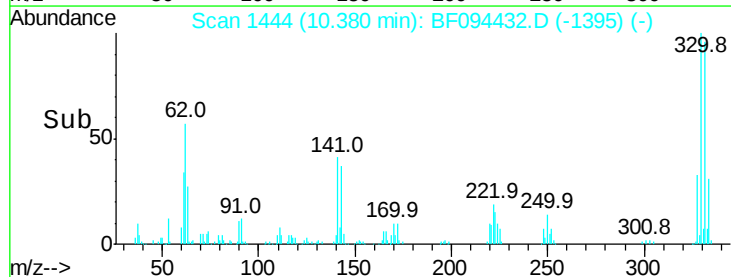
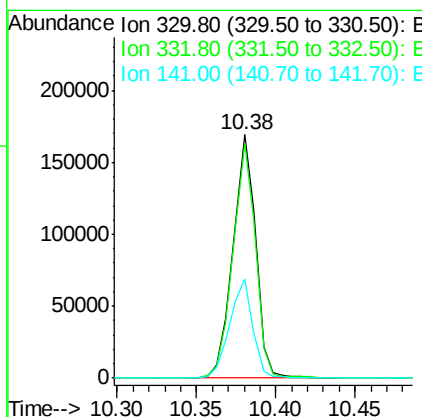
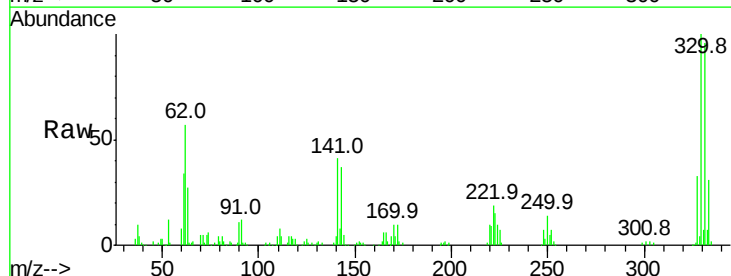
Instrument :
 BNA_F
 ClientSampleId :

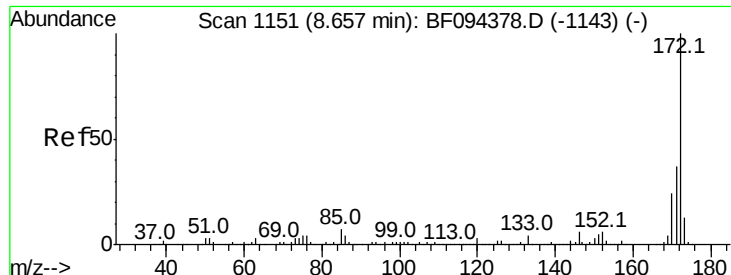
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	45.2	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 76.54 ng
 RT: 10.38 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	41.4	31.4	47.2



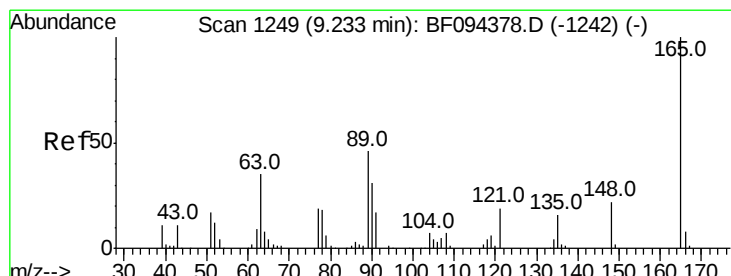
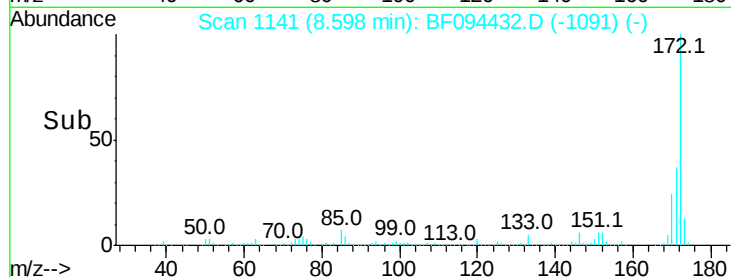
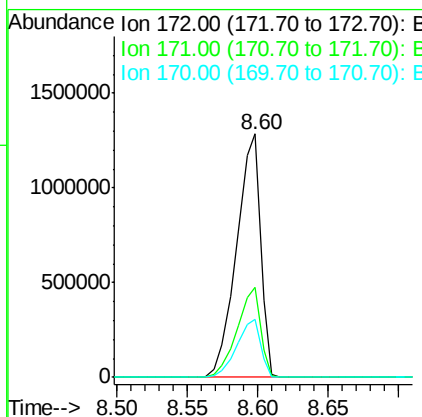
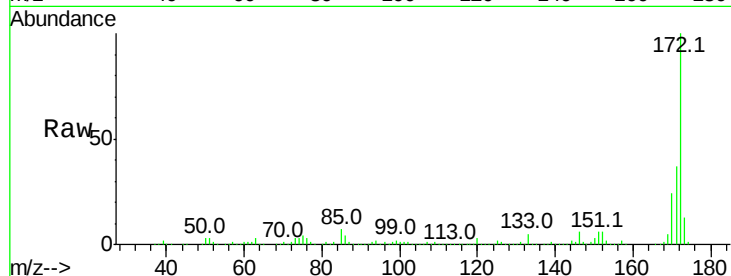


#44
 2-Fluorobiphenyl
 Concen: 82.97 ng
 RT: 8.60 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1523503

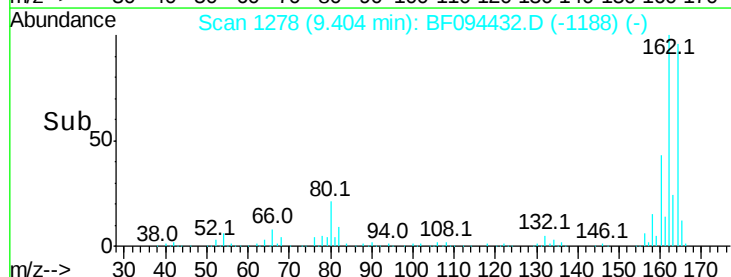
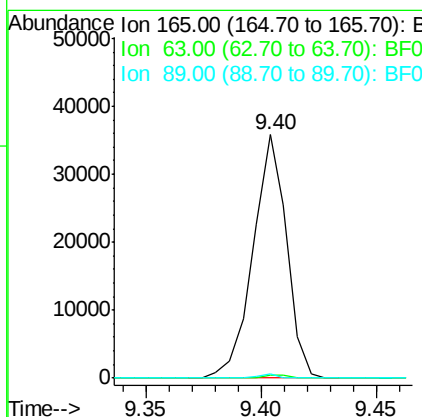
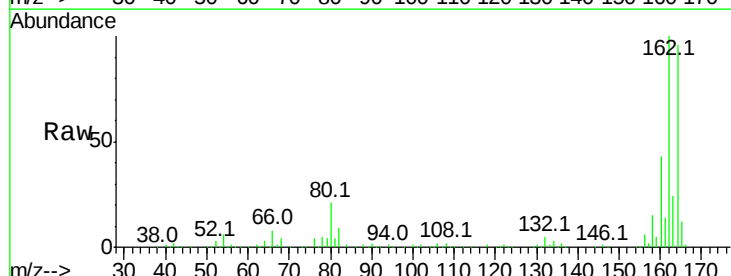
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	23.8	19.8	29.8

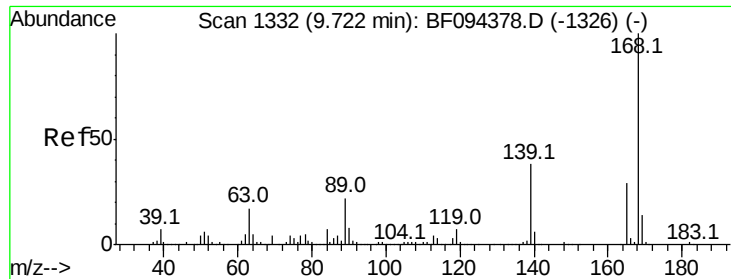


#50
 2,6-Dinitrotoluene
 Concen: 7.94 ng
 RT: 9.40 min Scan# 1278
 Delta R.T. 0.23 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Tgt Ion:165 Resp: 36255

Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.6	37.1	55.7#

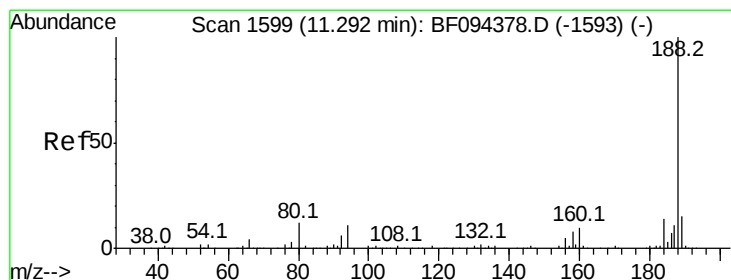
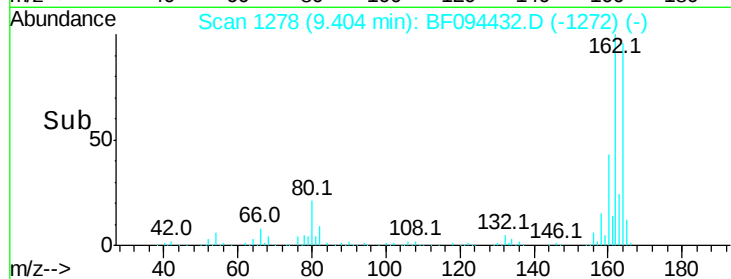
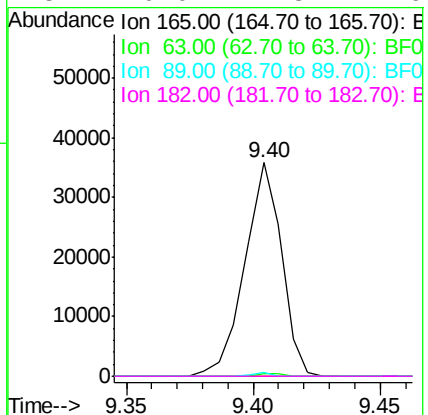
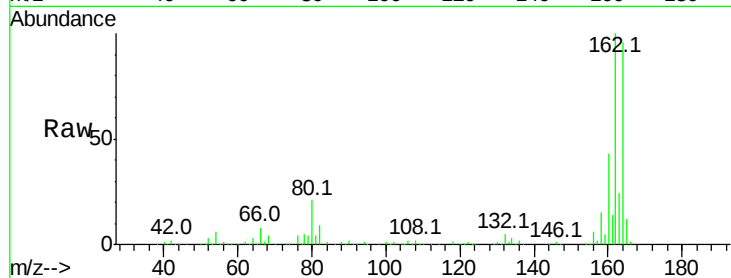




#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.40 min Scan# 1278
 Delta R.T. -0.26 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

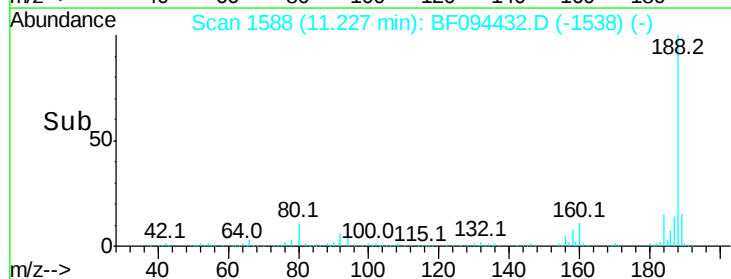
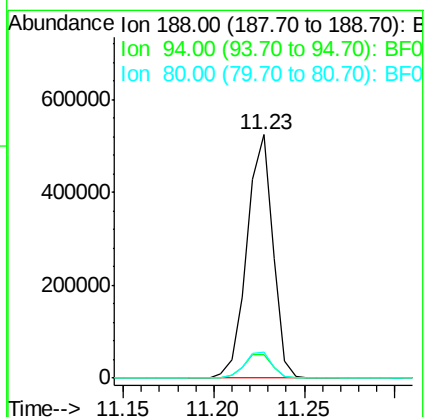
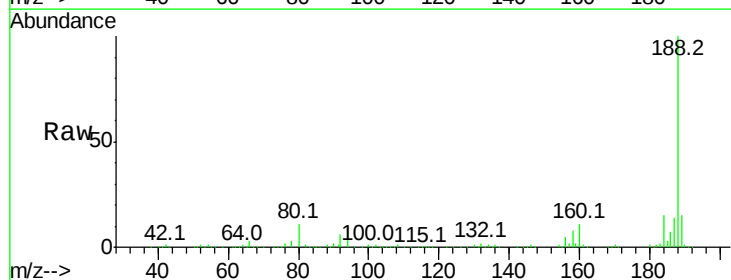
Instrument :
 BNA_F
 ClientSampled :

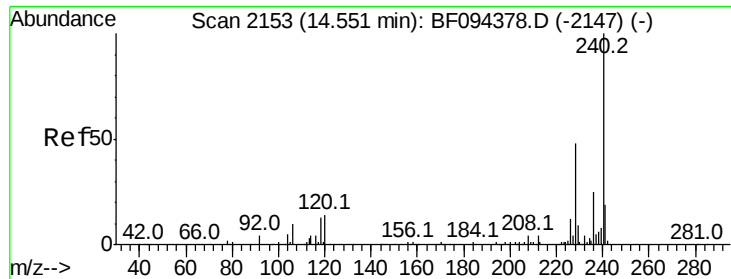
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.7	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BF094432.D

Acq: 14 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

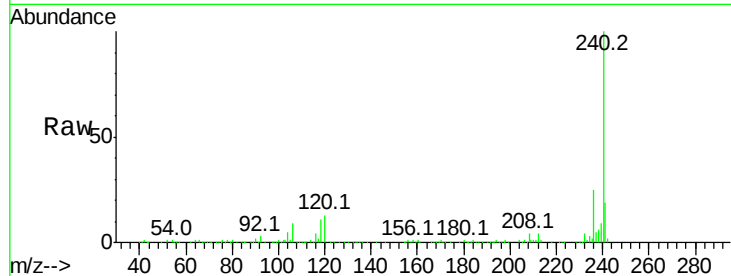
Tot Ion:240 Resp: 451898

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

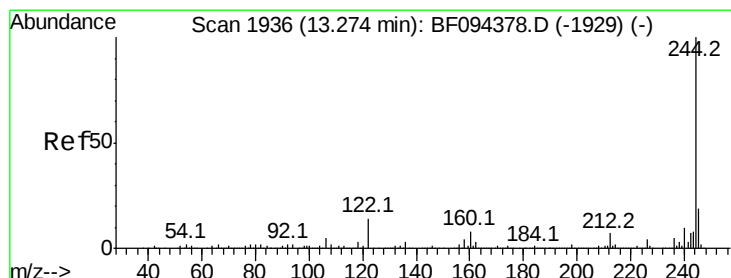
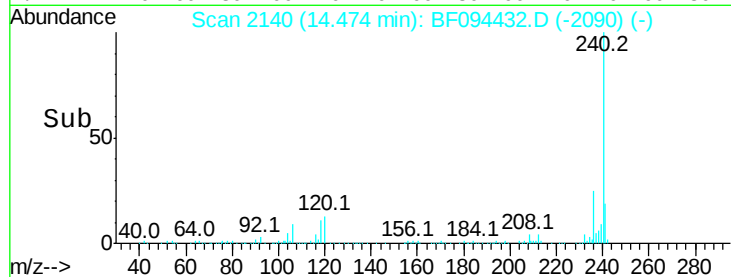
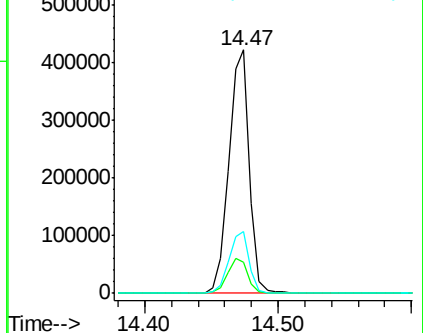
236 25.3 20.5 30.7



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: 72.06 ng

RT: 13.21 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BF094432.D

Acq: 14 Apr 2017 17:01

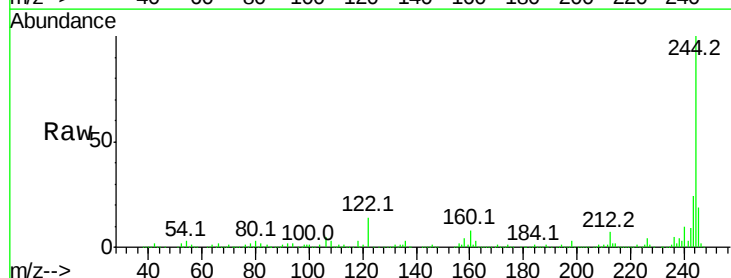
Tgt Ion:244 Resp: 1452740

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

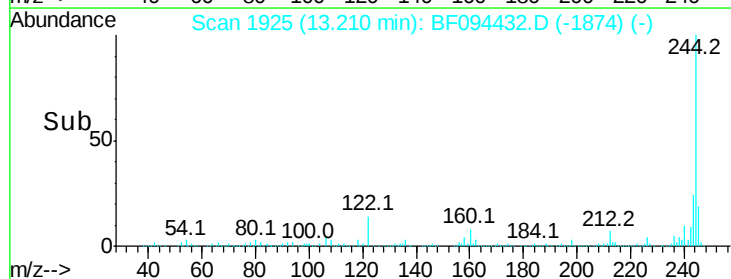
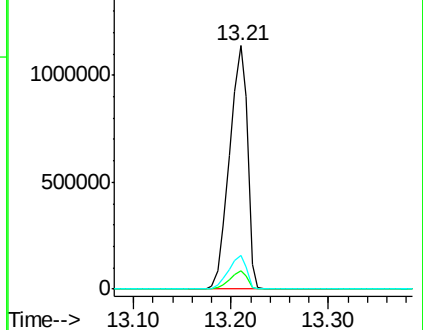
122 13.7 10.3 15.5

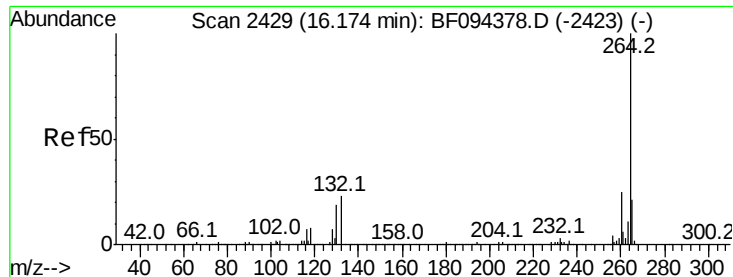


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

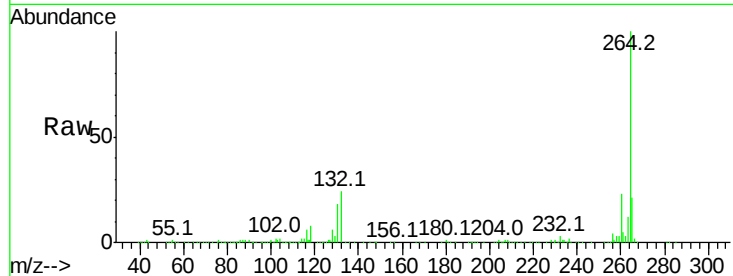




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BF094432.D
 Acq: 14 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.1	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

