

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
 Data File : BF094673.D
 Acq On : 27 Apr 2017 19:41
 Operator : SJ/MA
 Sample : I2870-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 02:20:55 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

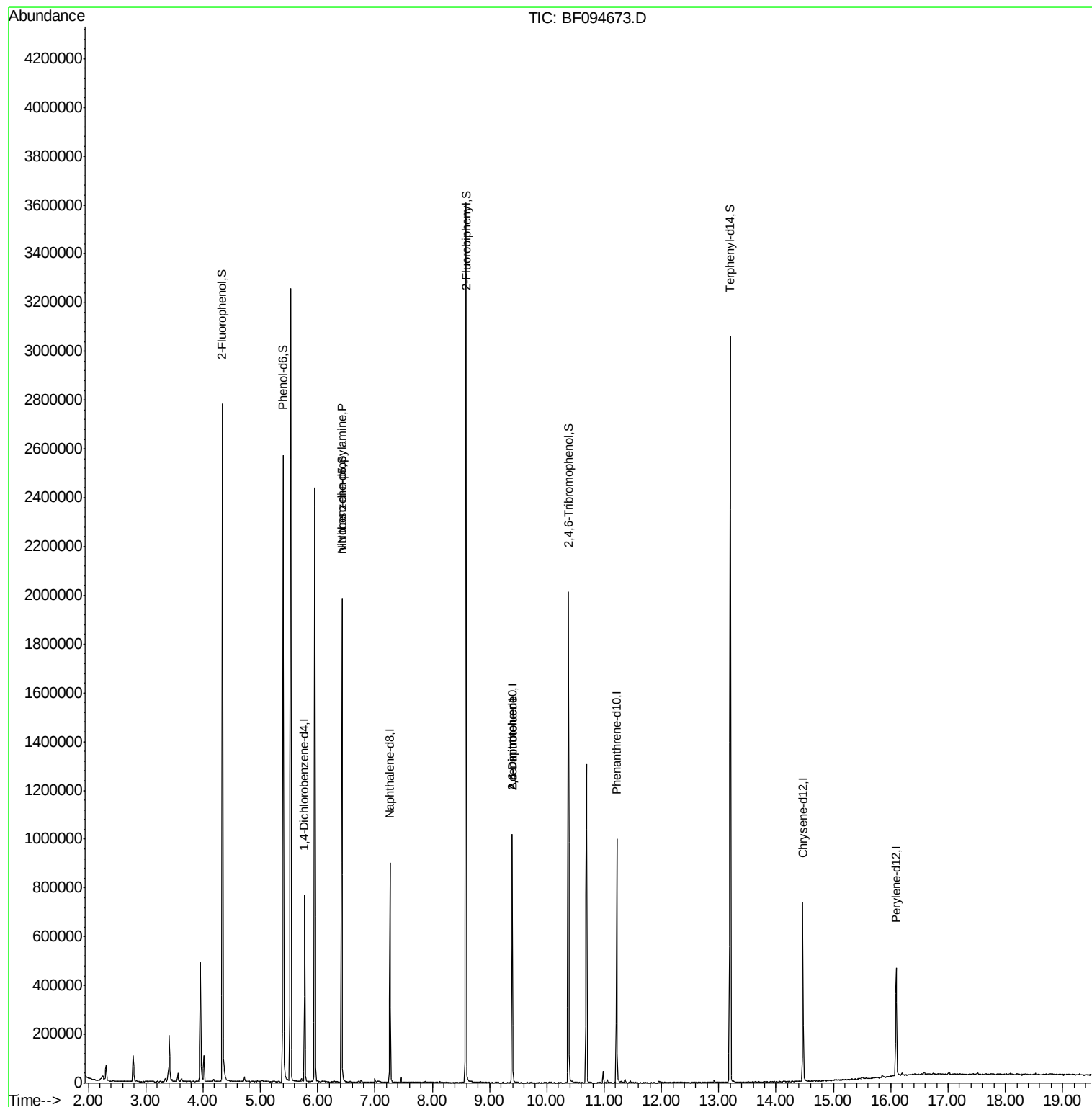
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	114096	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	466752	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	218183	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	387171	20.00	ng	0.00
75) Chrysene-d12	14.47	240	285179	20.00	ng	0.00
86) Perylene-d12	16.09	264	159918	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	894737	130.10	ng	0.03
7) Phenol-d6	5.40	99	1034613	127.61	ng	0.00
23) Nitrobenzene-d5	6.42	82	715454	94.65	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	259024	151.78	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1318523	88.92	ng	0.00
78) Terphenyl-d14	13.20	244	1186572	111.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.42	70	93032	17.32	ng	# 74
50) 2,6-Dinitrotoluene	9.40	165	27546	7.55	ng	# 33
56) 2,4-Dinitrotoluene	9.40	165	27545	6.15	ng	# 33

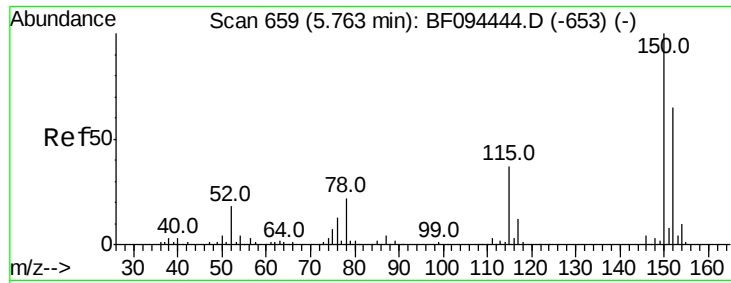
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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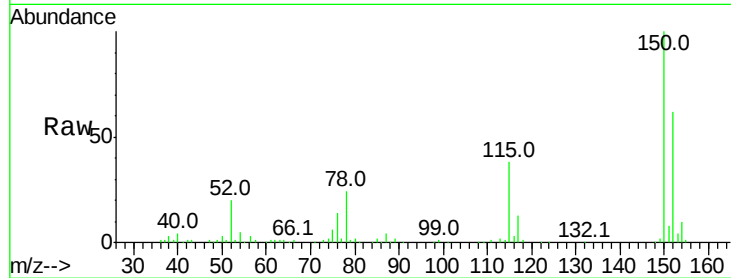


#1

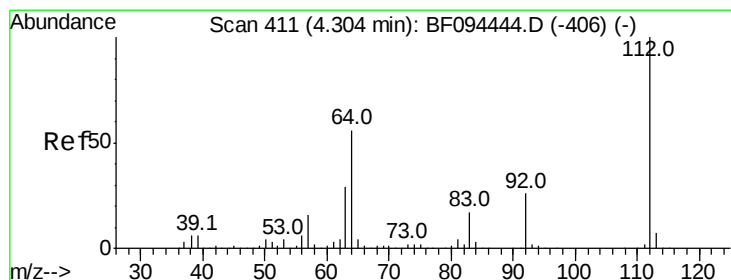
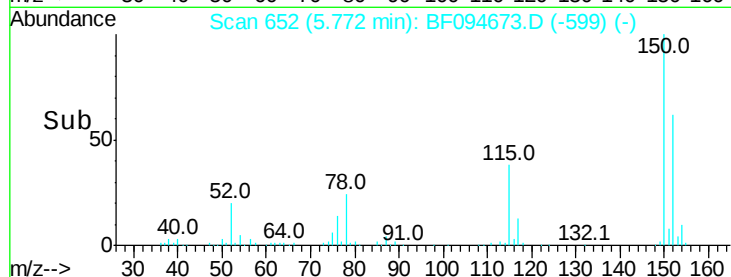
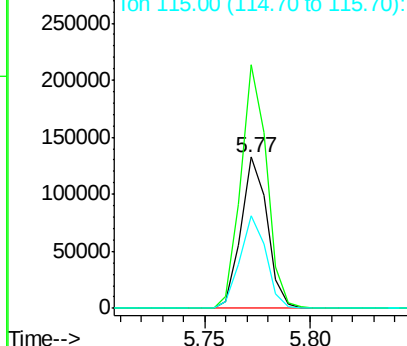
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094673.D
Acq: 27 Apr 2017 19:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114096
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.2
115 61.2 52.2 78.2



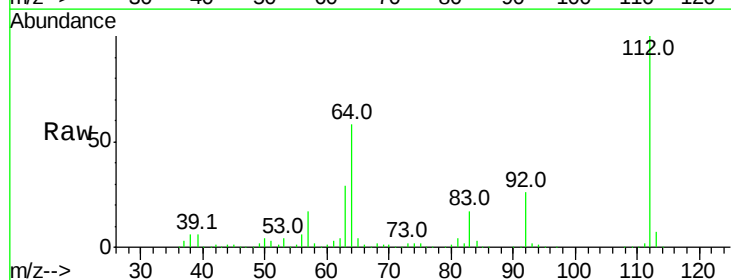
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



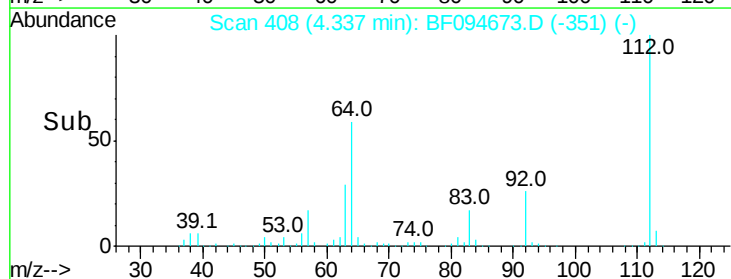
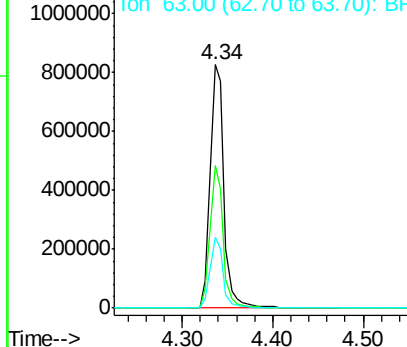
#5

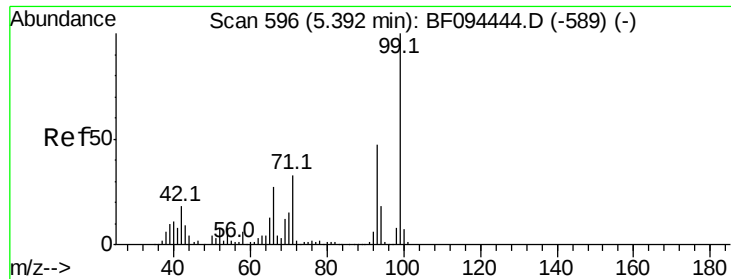
2-Fluorophenol
Concen: 130.10 ng
RT: 4.34 min Scan# 408
Delta R.T. 0.03 min
Lab File: BF094673.D
Acq: 27 Apr 2017 19:41

Tgt Ion:112 Resp: 894737
Ion Ratio Lower Upper
112 100
64 58.4 46.0 69.0
63 28.9 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: 127.61 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094673.D

Acq: 27 Apr 2017 19:41

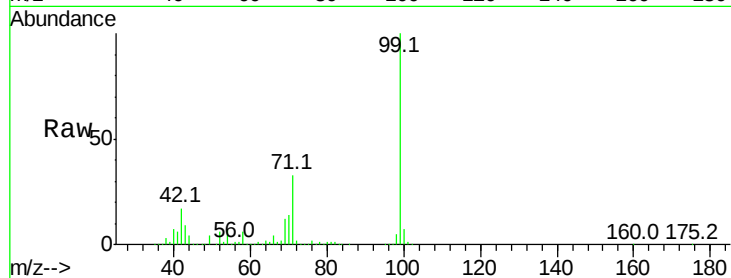
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1034613

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	33.3	24.5	36.7

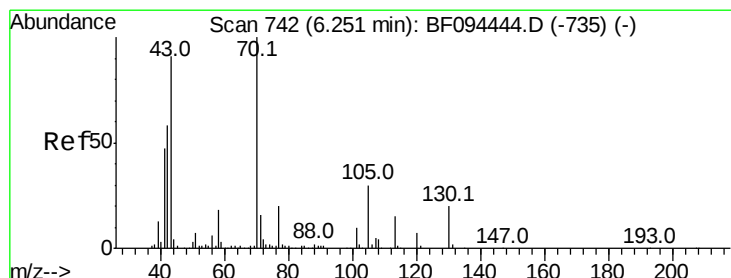
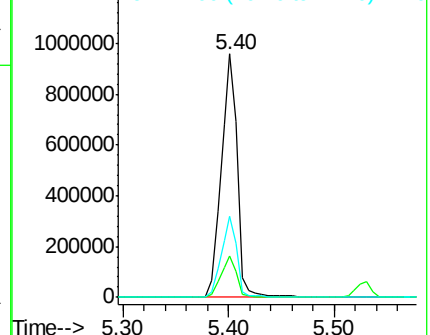
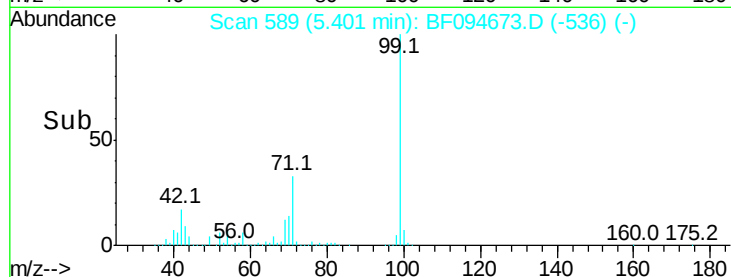


Abundance

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: 17.32 ng

RT: 6.42 min Scan# 763

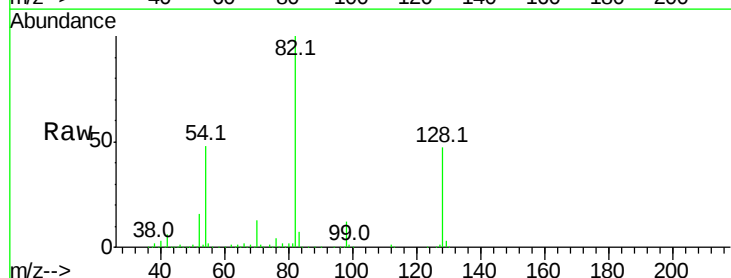
Delta R.T. 0.17 min

Lab File: BF094673.D

Acq: 27 Apr 2017 19:41

Tgt Ion: 70 Resp: 93032

Ion	Ratio	Lower	Upper
70	100		
42	43.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



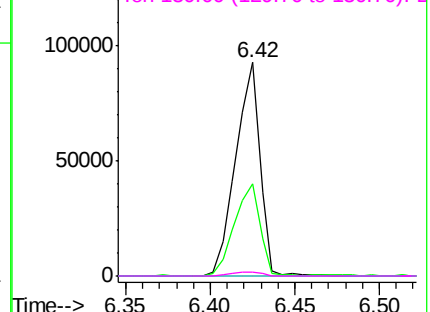
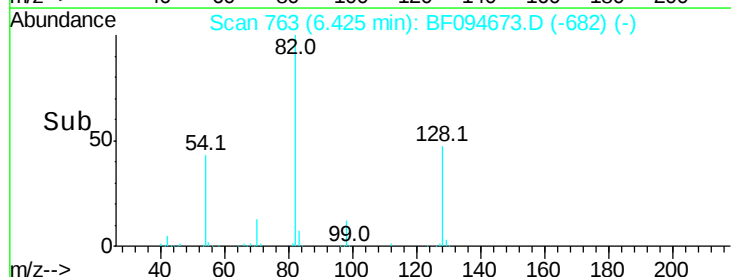
Abundance

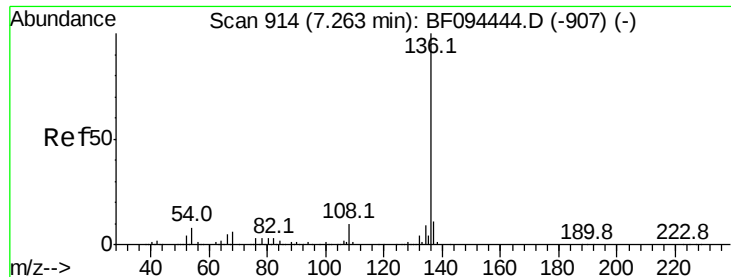
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

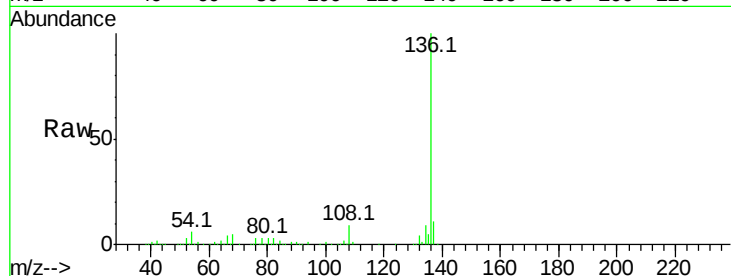
Delta R.T. 0.00 min

Lab File: BF094673.D

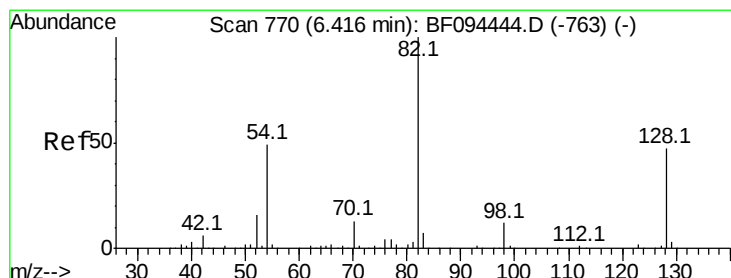
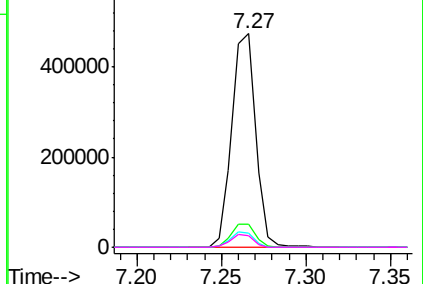
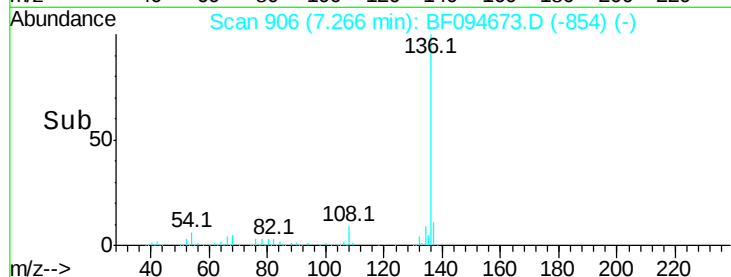
Acq: 27 Apr 2017 19:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	466752
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	6.4	4.9 7.3
68	5.1	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: 94.65 ng

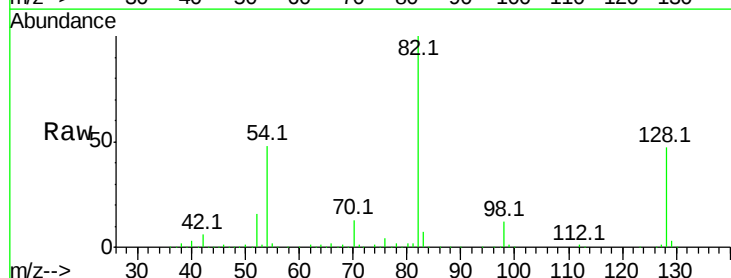
RT: 6.42 min Scan# 763

Delta R.T. 0.01 min

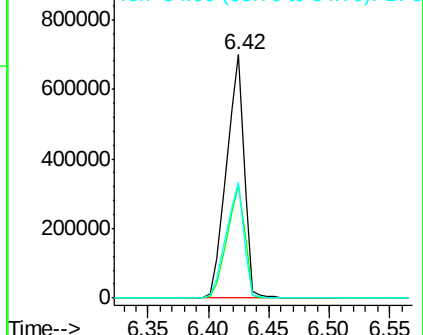
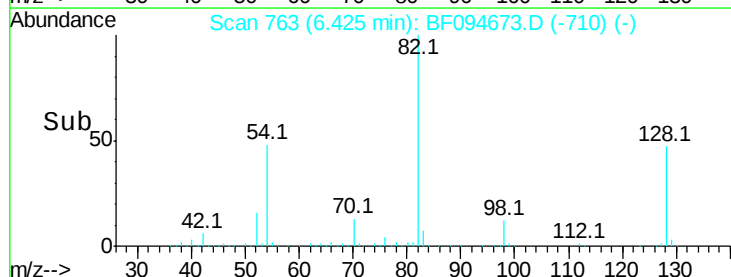
Lab File: BF094673.D

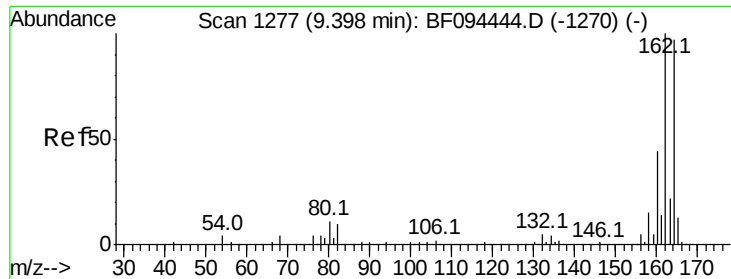
Acq: 27 Apr 2017 19:41

Tgt Ion: 82	Resp:	715454
Ion Ratio	Lower	Upper
82	100	
128	46.6	34.0 51.0
54	47.6	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

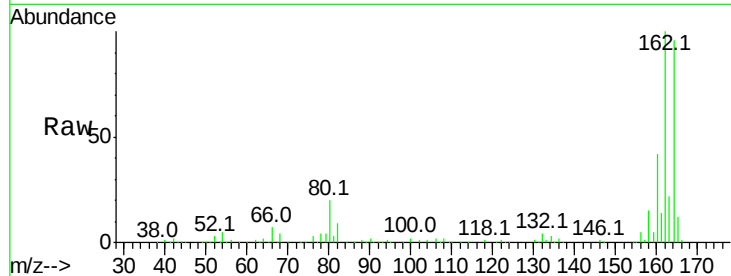




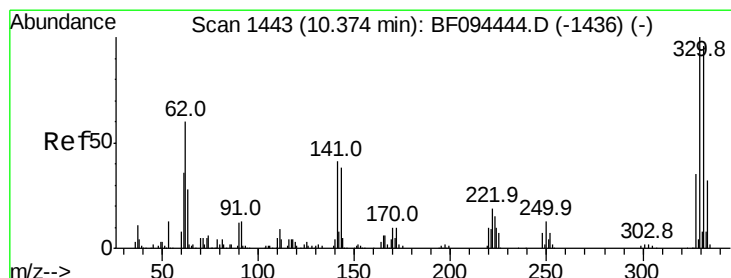
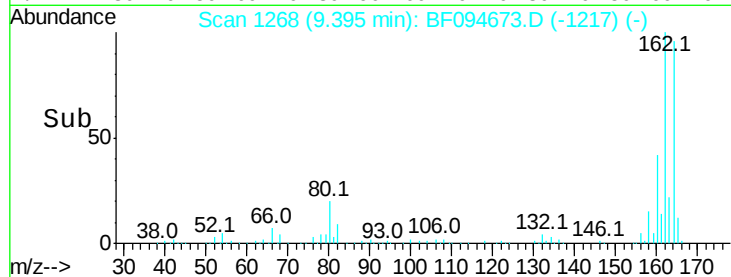
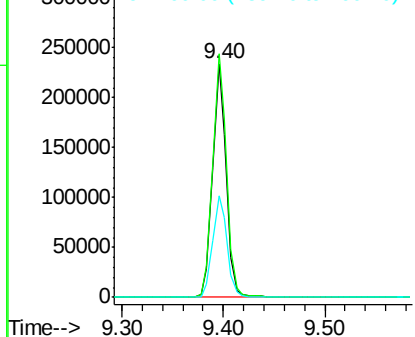
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 218183
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 123.8
 160 43.7 36.2 54.2

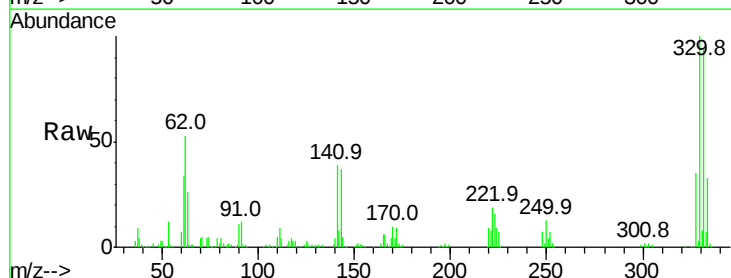


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

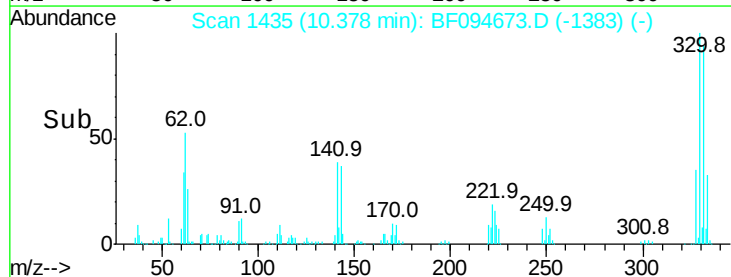
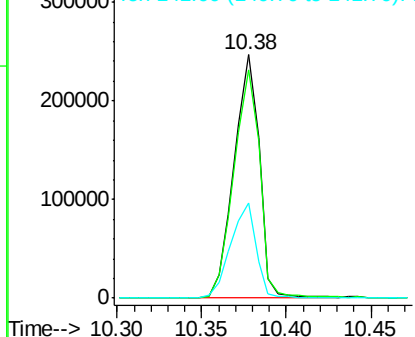


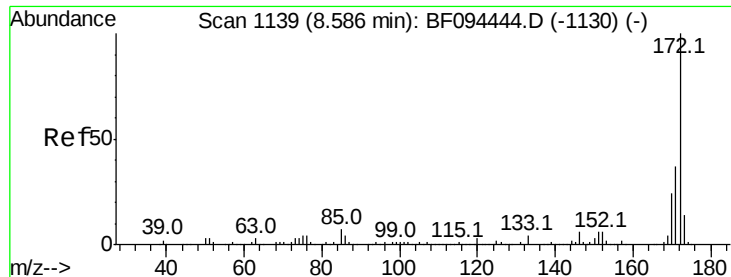
#41
 2,4,6-Tribromophenol
 Concen: 151.78 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

Tgt Ion:330 Resp: 259024
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 39.4 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

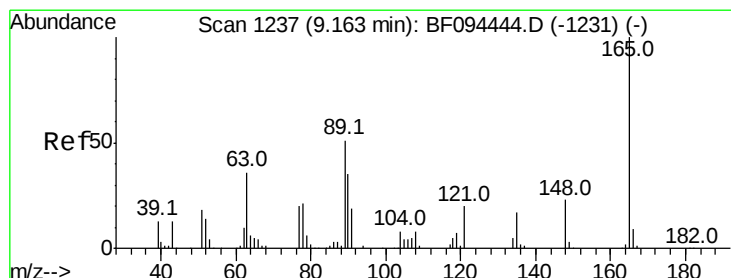
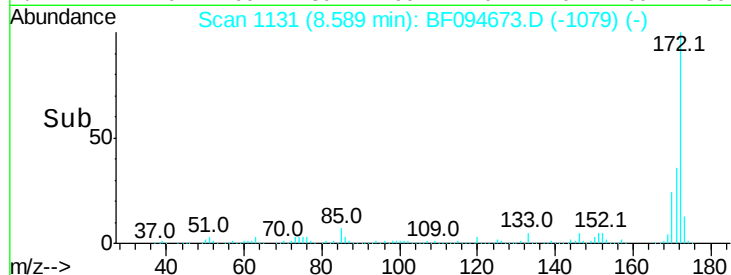
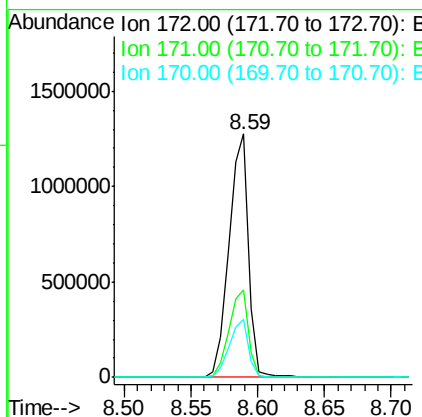
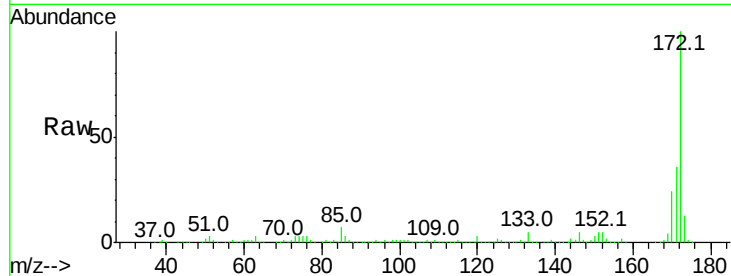




#44
 2-Fluorobiphenyl
 Concen: 88.92 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

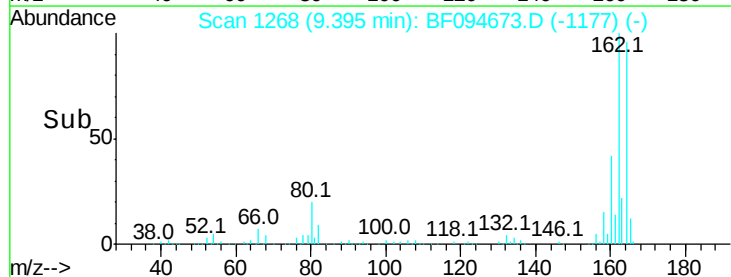
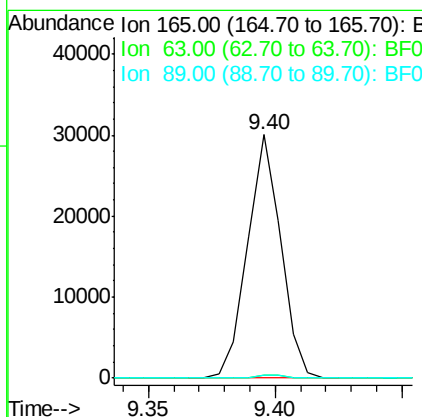
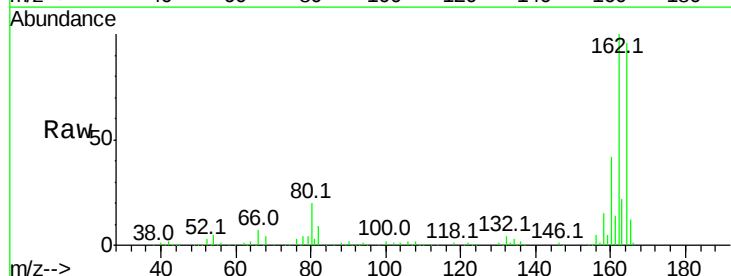
Instrument :
 BNA_F
 ClientSampleId :

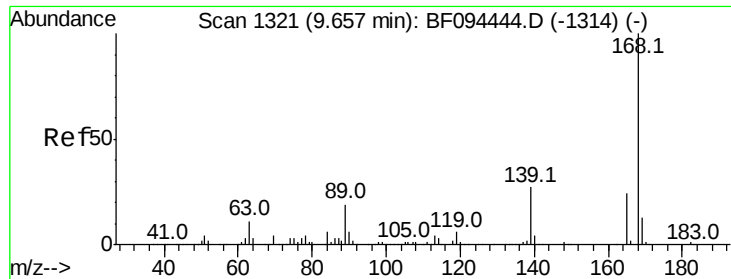
Tot Ion:172 Resp: 1318523
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.1 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. 0.23 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

Tgt Ion:165 Resp: 27546
 Ion Ratio Lower Upper
 165 100
 63 1.2 34.3 51.5#
 89 1.2 37.1 55.7#

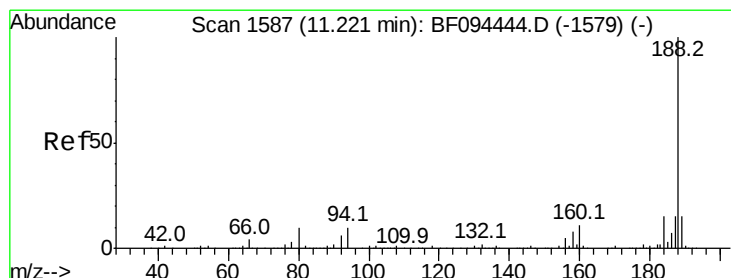
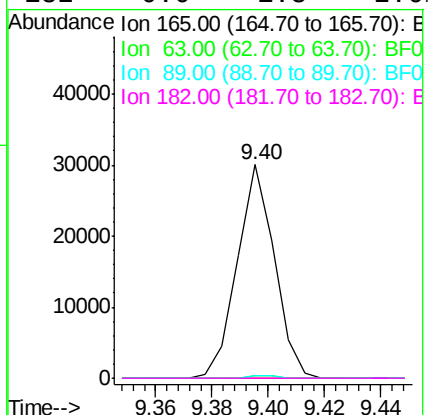
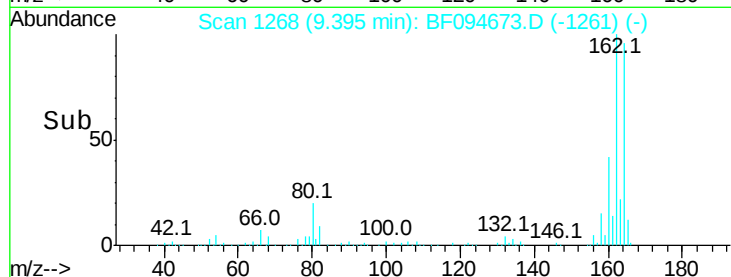
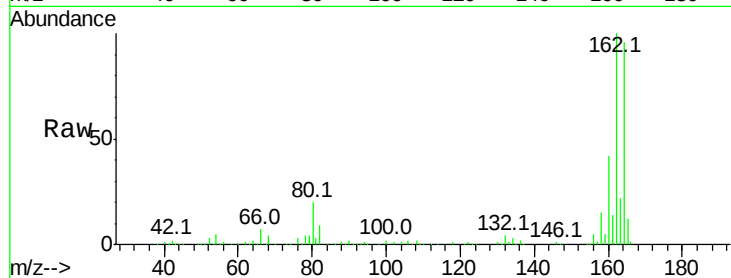




#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

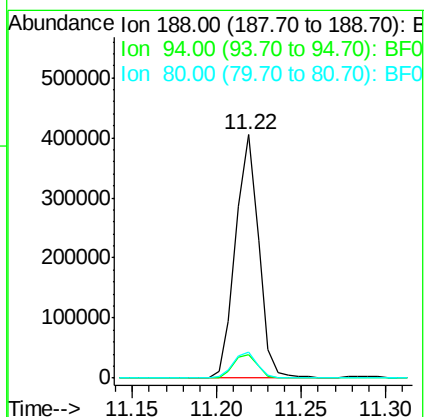
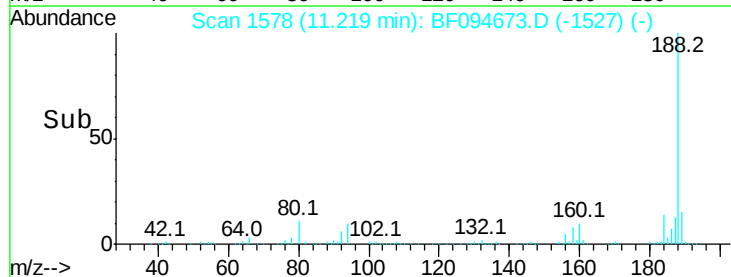
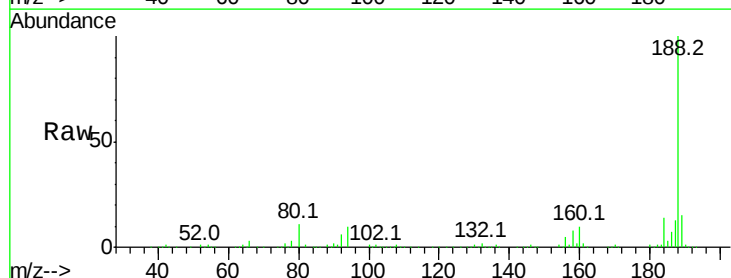
Instrument :
 BNA_F
 ClientSampleId :

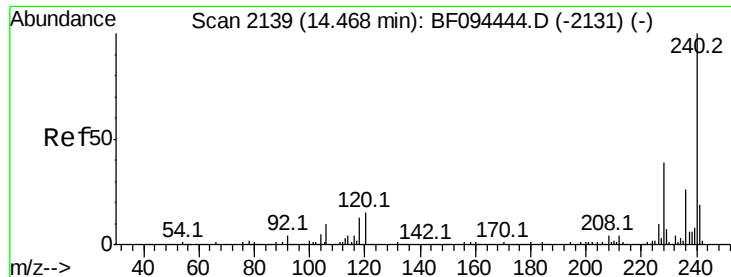
Tot Ion:165 Resp: 27545
 Ion Ratio Lower Upper
 165 100
 63 1.2 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

Tgt Ion:188 Resp: 387171
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.4 14.2
 80 10.8 10.2 15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094673.D

Acq: 27 Apr 2017 19:41

Instrument :

BNA_F

ClientSampleId :

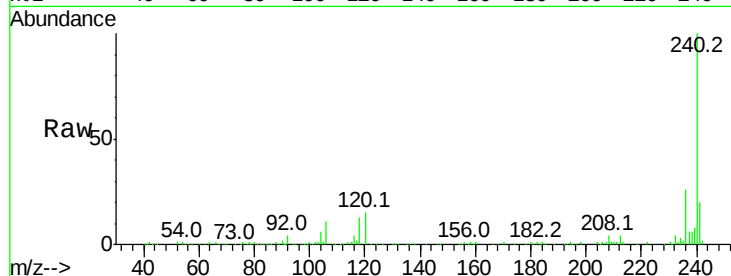
Tot Ion:240 Resp: 285179

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

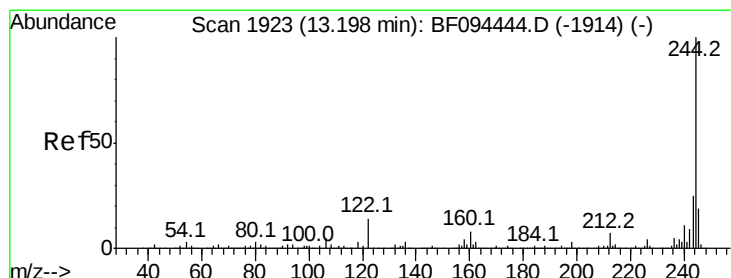
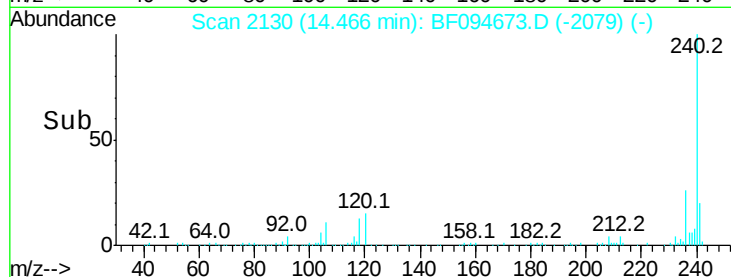
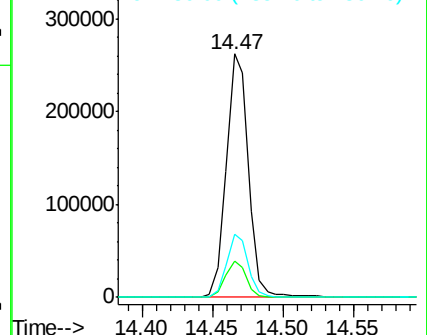
236 25.7 20.5 30.7



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: 111.22 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094673.D

Acq: 27 Apr 2017 19:41

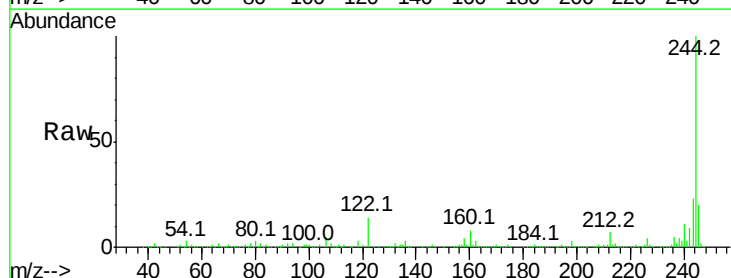
Tgt Ion:244 Resp: 1186572

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

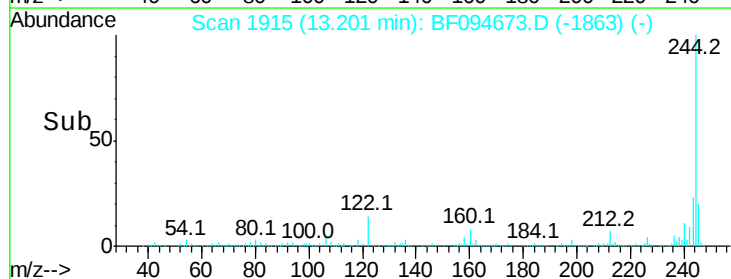
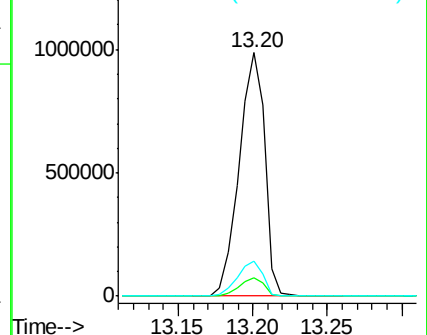
122 14.3 10.3 15.5

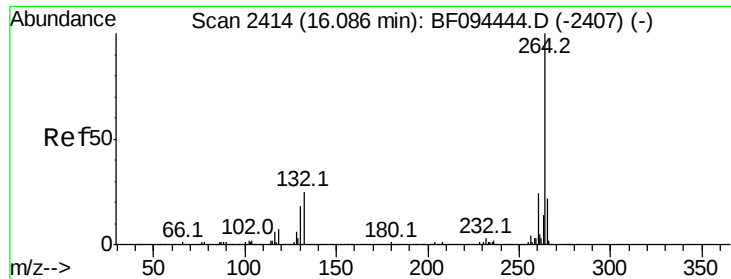


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

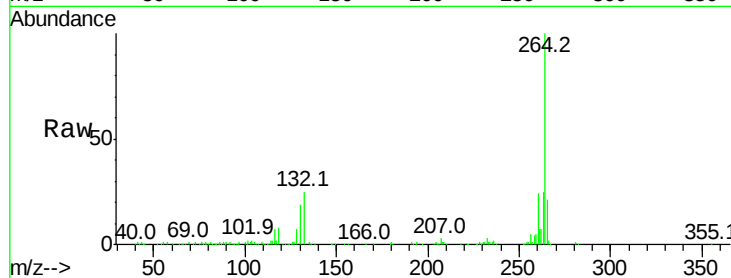




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094673.D
 Acq: 27 Apr 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.0	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

