

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094767.D
 Acq On : 2 May 2017 00:04
 Operator : SJ/MA
 Sample : I2916-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:42:17 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

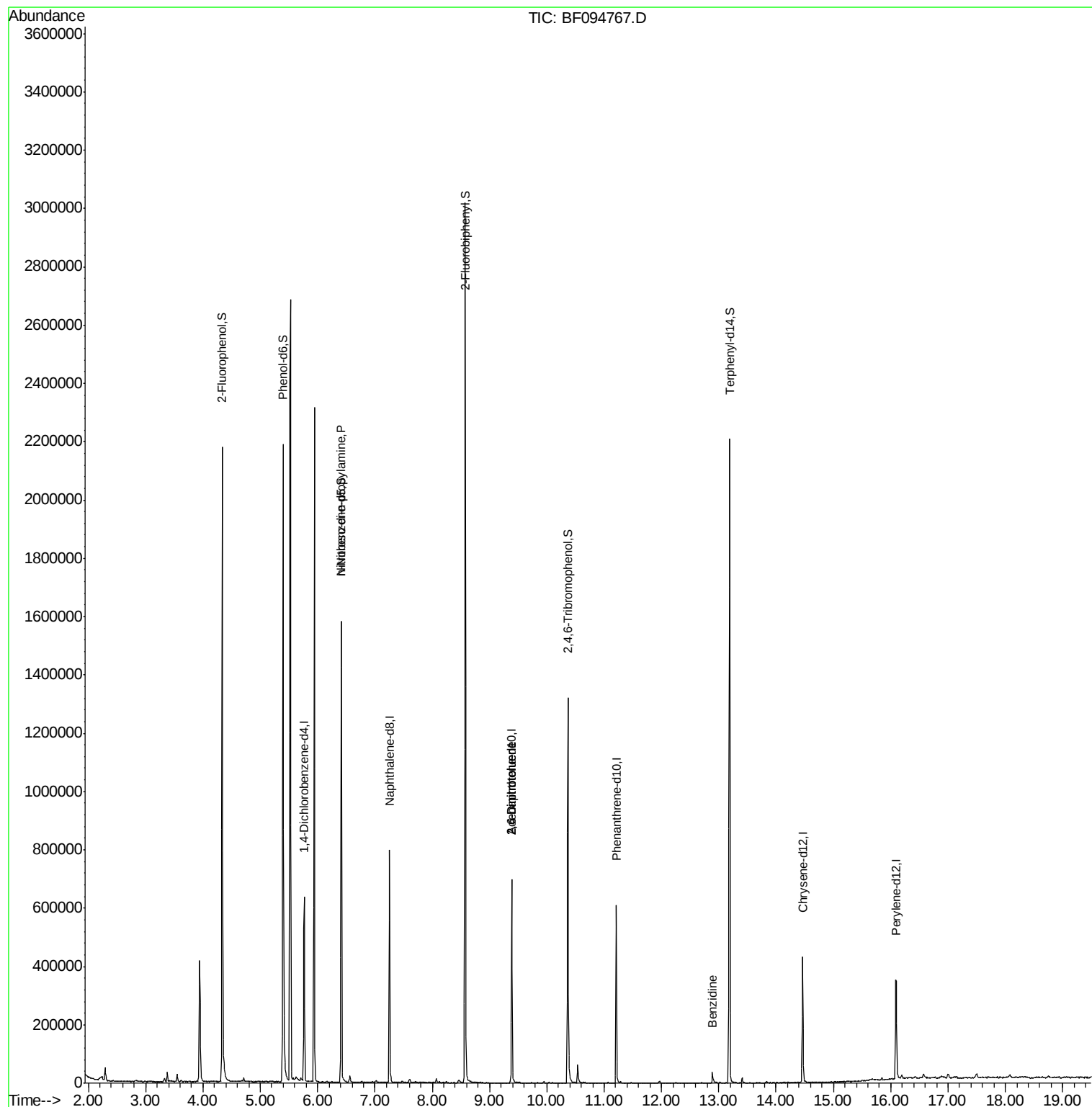
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	101583	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	379998	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	163878	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	260171	20.00	ng	0.00
75) Chrysene-d12	14.47	240	187934	20.00	ng	0.00
86) Perylene-d12	16.09	264	158800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	735226	120.08	ng	0.03
7) Phenol-d6	5.40	99	859871	119.12	ng	0.00
23) Nitrobenzene-d5	6.41	82	598800	97.30	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	173318	135.21	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1061840	95.33	ng	0.00
78) Terphenyl-d14	13.19	244	791658	112.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	78379	16.39	ng	# 76
50) 2,6-Dinitrotoluene	9.39	165	20686	7.55	ng	# 34
56) 2,4-Dinitrotoluene	9.39	165	20686	6.15	ng	# 34
76) Benzidine	12.89	184	27597	3.63	ng	96

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

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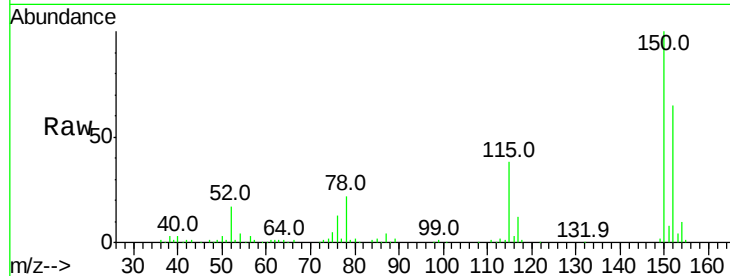


#1

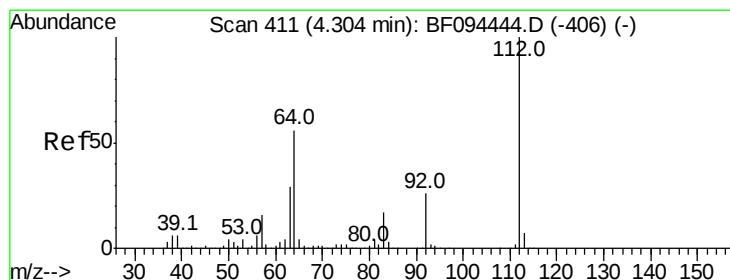
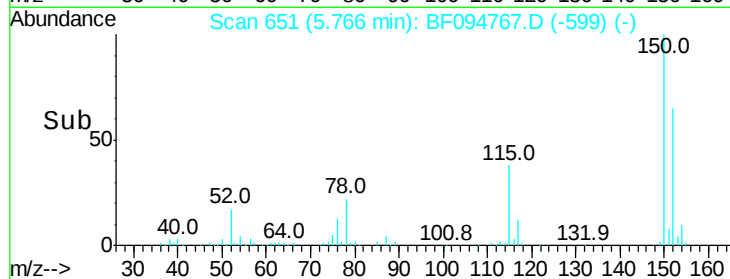
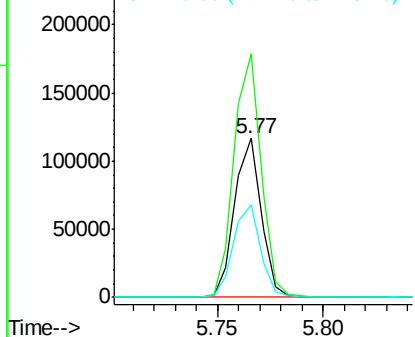
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094767.D
Acq: 2 May 2017 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101583
Ion Ratio Lower Upper
152 100
150 153.1 126.2 189.2
115 58.3 52.2 78.2



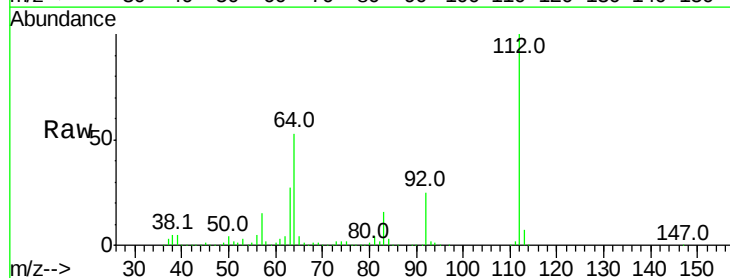
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



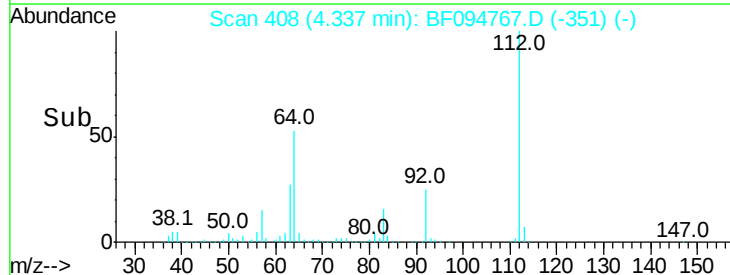
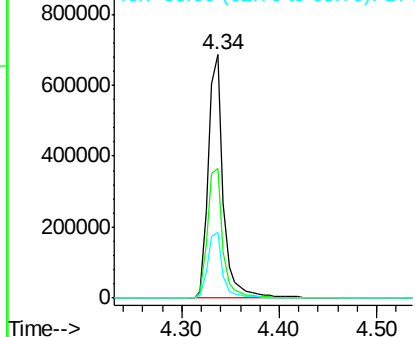
#5

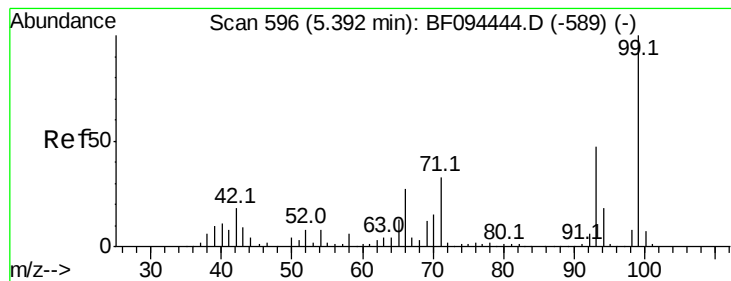
2-Fluorophenol
Concen: 120.08 ng
RT: 4.34 min Scan# 408
Delta R.T. 0.03 min
Lab File: BF094767.D
Acq: 2 May 2017 00:04

Tgt Ion:112 Resp: 735226
Ion Ratio Lower Upper
112 100
64 53.1 46.0 69.0
63 27.0 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: 119.12 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

Instrument :

BNA_F

ClientSampled :

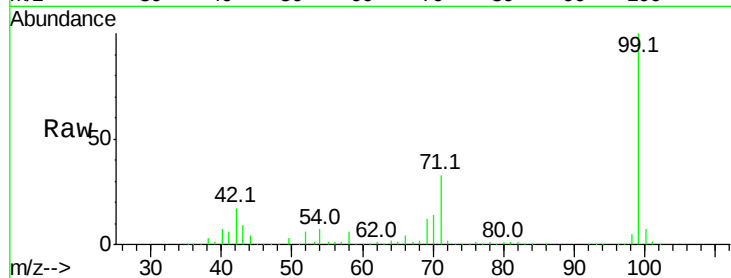
Tot Ion: 99 Resp: 859871

Ion Ratio Lower Upper

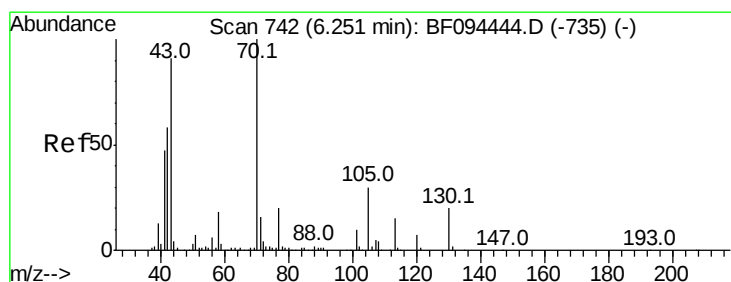
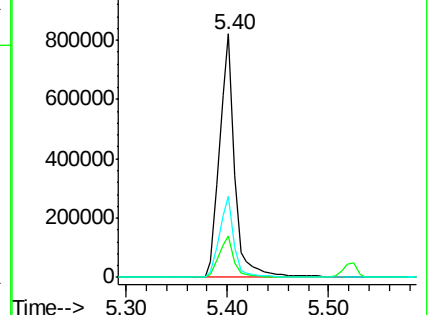
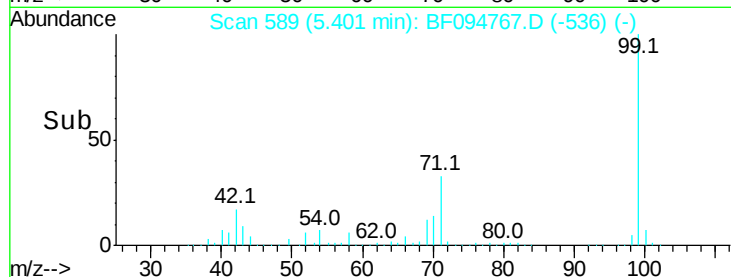
99 100

42 17.1 13.5 20.3

71 33.5 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: 16.39 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

Tgt Ion: 70 Resp: 78379

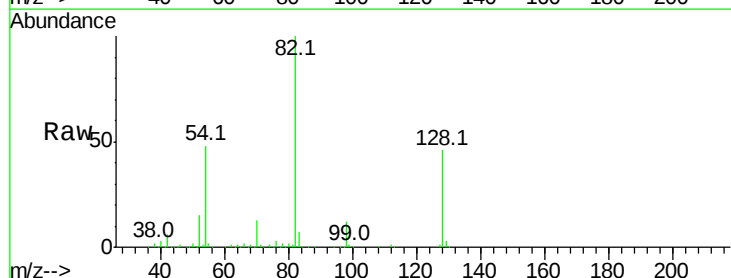
Ion Ratio Lower Upper

70 100

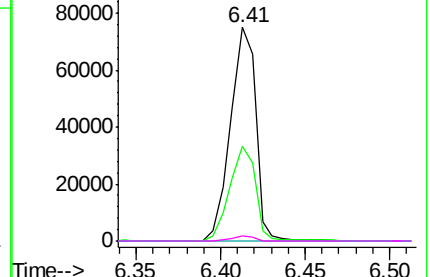
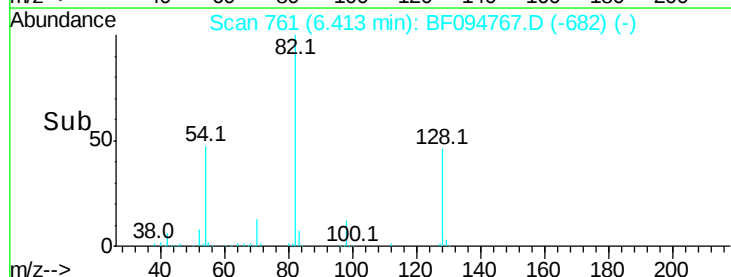
42 44.6 47.2 70.8#

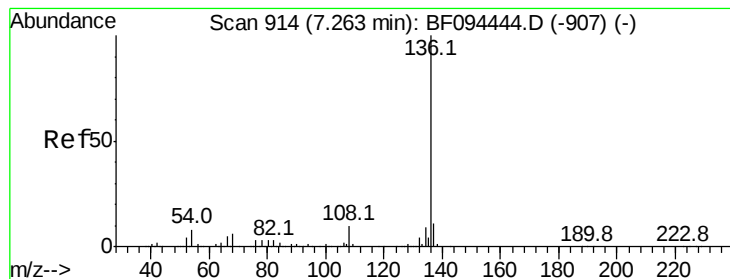
101 0.0 7.2 10.8#

130 2.6 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: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 379998

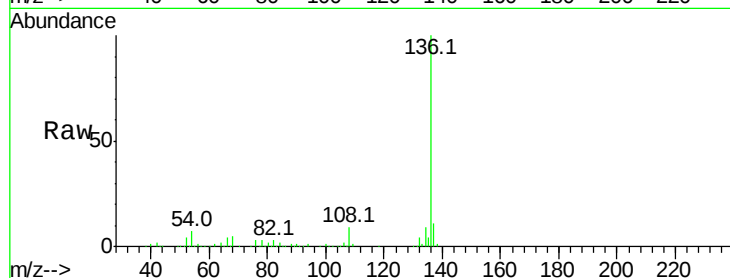
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 5.3 4.1 6.1

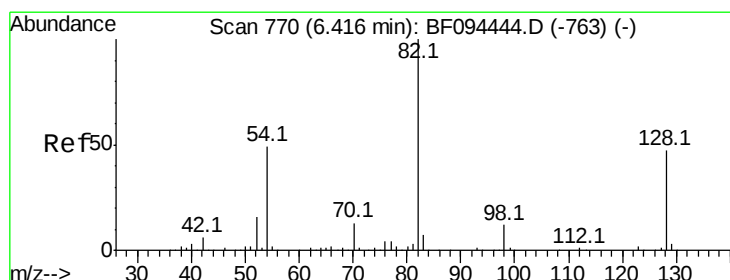
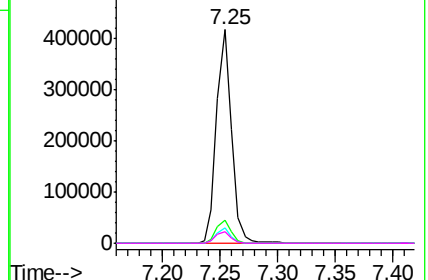
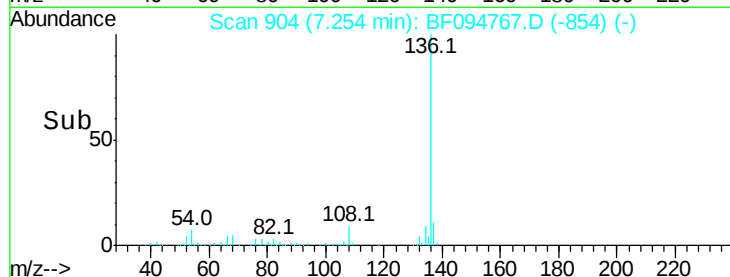


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.30 ng

RT: 6.41 min Scan# 761

Delta R.T. -0.00 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

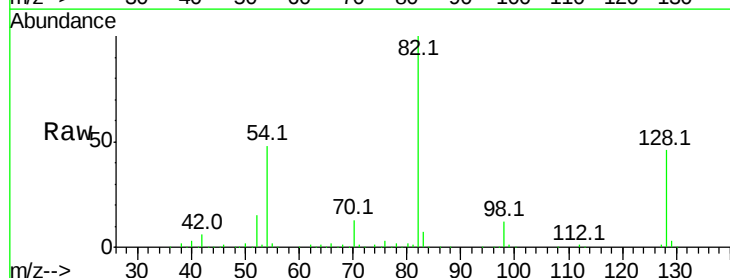
Tgt Ion: 82 Resp: 598800

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

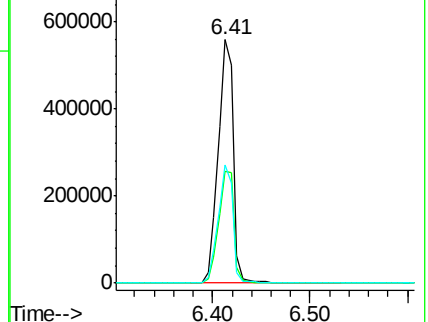
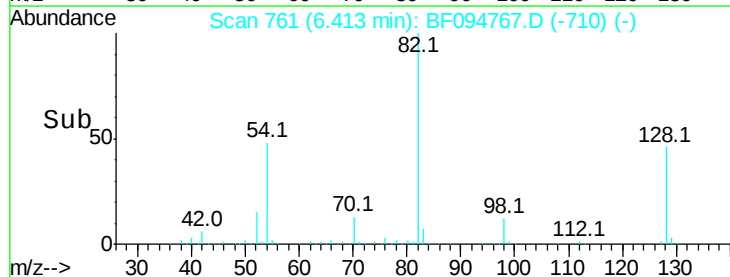
54 48.4 42.2 63.2



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

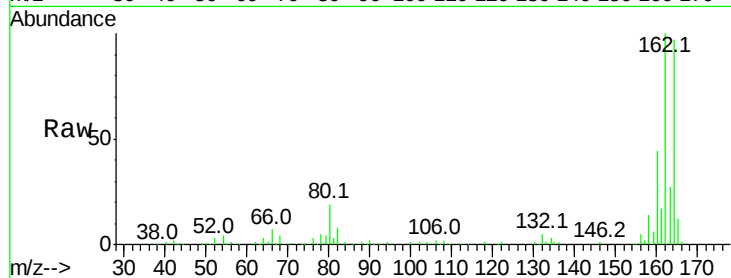




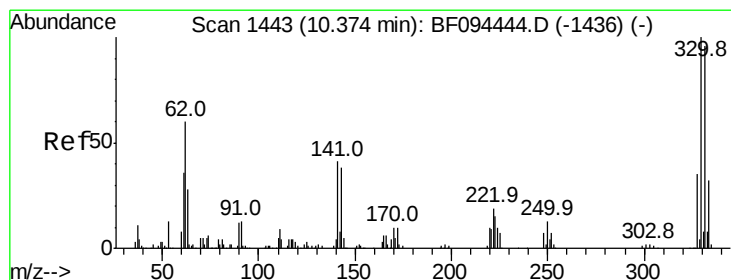
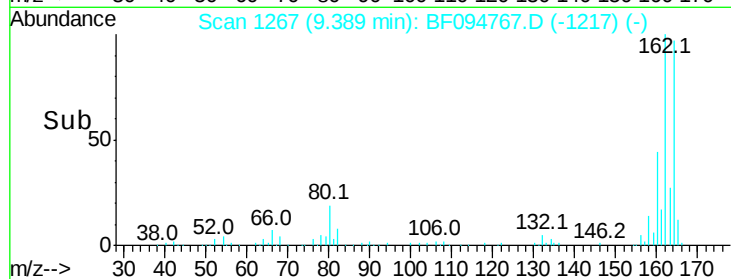
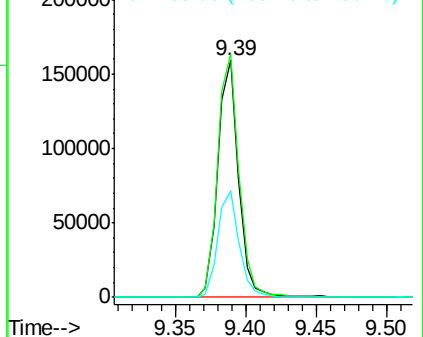
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094767.D
Acq: 2 May 2017 00:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 163878
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 44.8 36.2 54.2

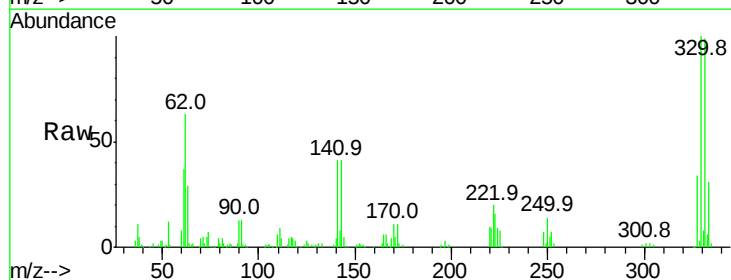


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

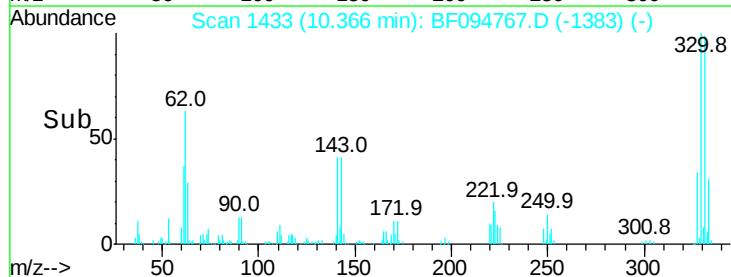
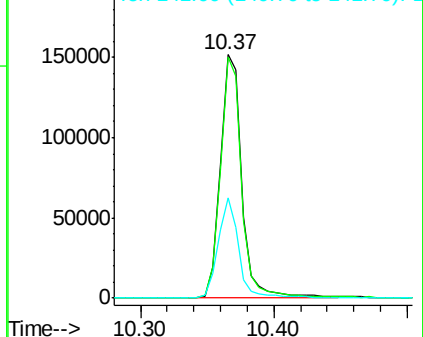


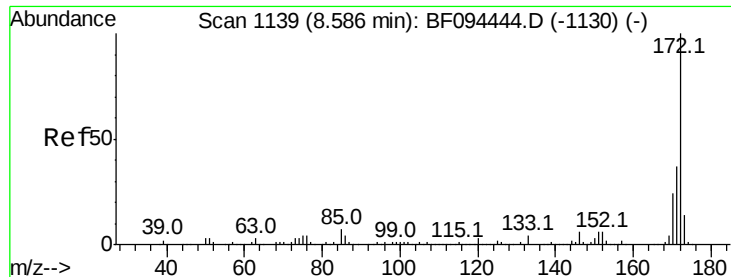
#41
2,4,6-Tribromophenol
Concen: 135.21 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094767.D
Acq: 2 May 2017 00:04

Tgt Ion:330 Resp: 173318
Ion Ratio Lower Upper
330 100
332 98.8 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



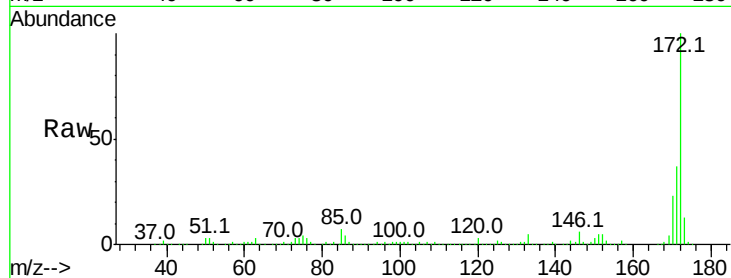


#44
 2-Fluorobiphenyl
 Concen: 95.33 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094767.D
 Acq: 2 May 2017 00:04

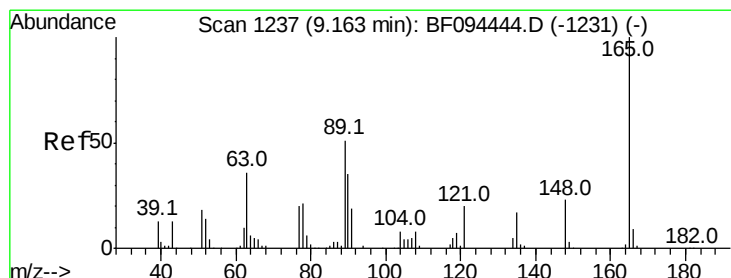
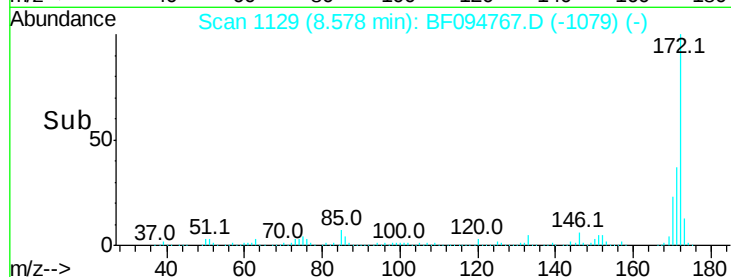
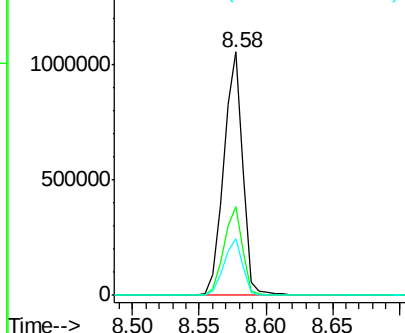
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1061840

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.4	19.8	29.8



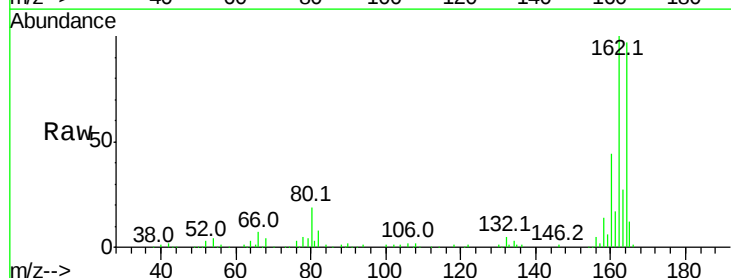
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



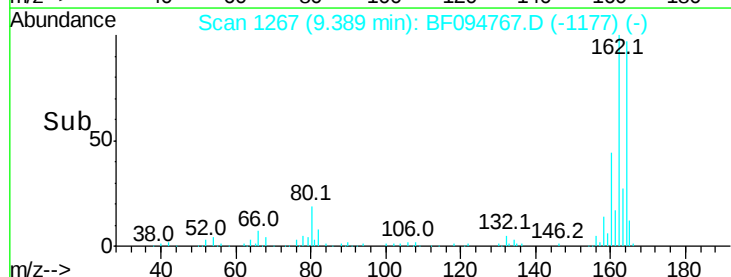
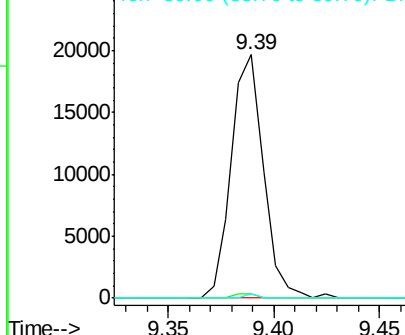
#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.23 min
 Lab File: BF094767.D
 Acq: 2 May 2017 00:04

Tgt Ion:165 Resp: 20686

Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	2.0	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

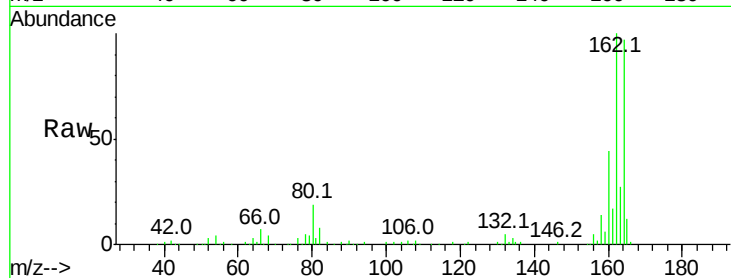




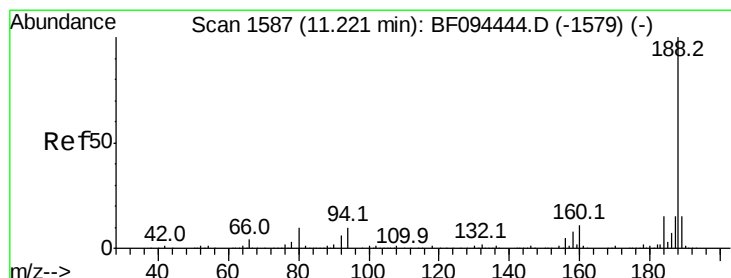
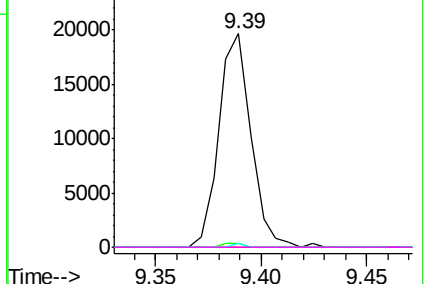
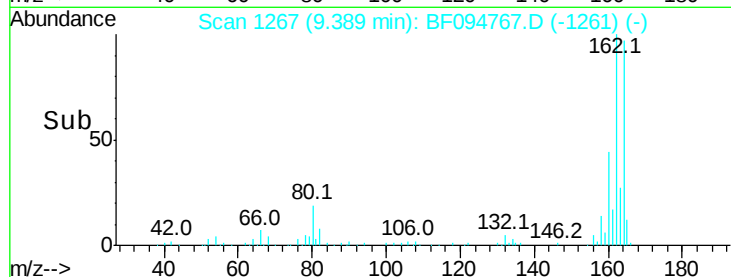
#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094767.D
 Acq: 2 May 2017 00:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20686
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 2.0 46.4 69.6#
 182 0.0 1.8 2.6#

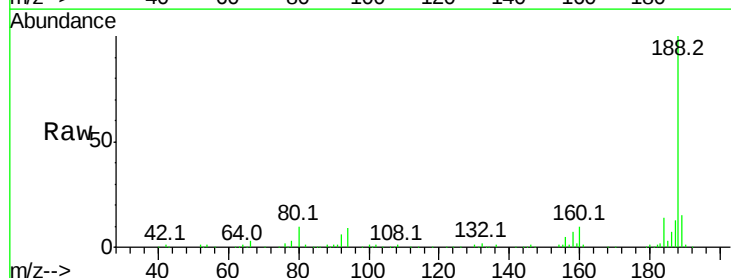


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

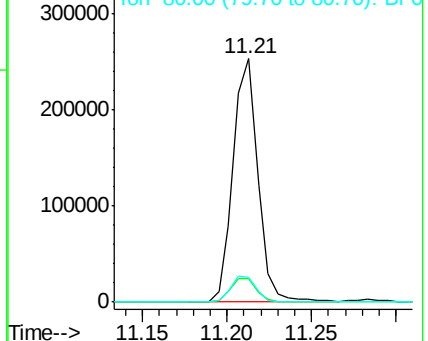
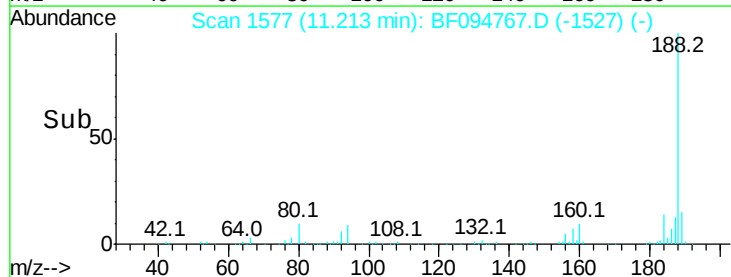


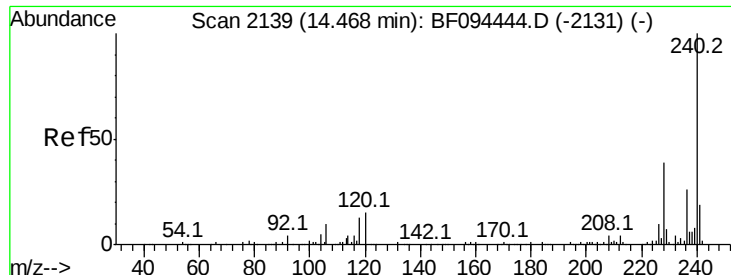
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094767.D
 Acq: 2 May 2017 00:04

Tgt Ion:188 Resp: 260171
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 10.4 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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

Instrument :

BNA_F

ClientSampleId :

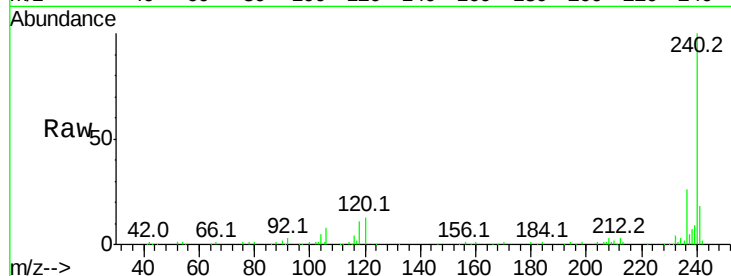
Tot Ion:240 Resp: 187934

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

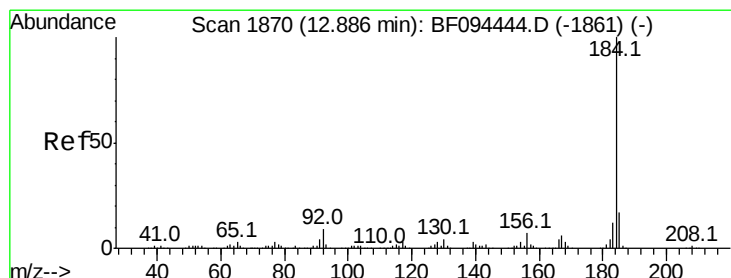
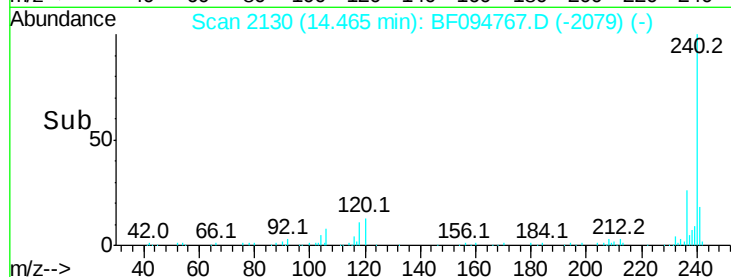
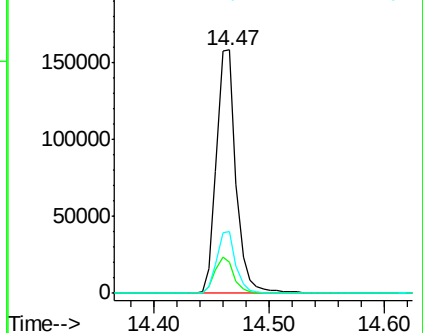
236 25.6 20.5 30.7



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



#76

Benzidine

Concen: 3.63 ng

RT: 12.89 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

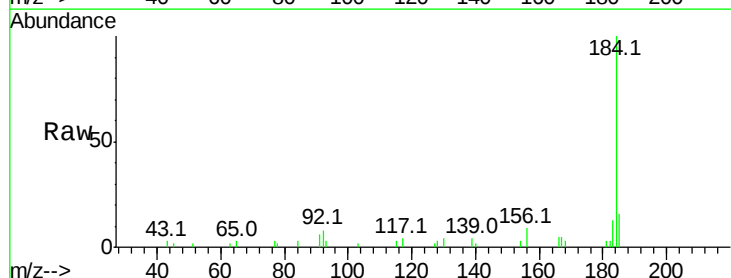
Tgt Ion:184 Resp: 27597

Ion Ratio Lower Upper

184 100

185 16.4 15.5 23.3

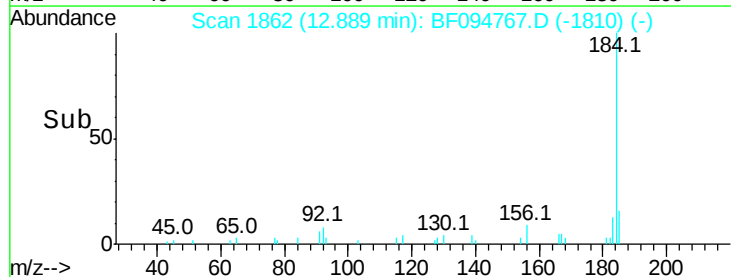
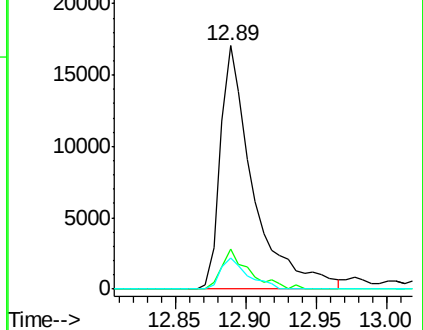
183 12.6 9.8 14.6

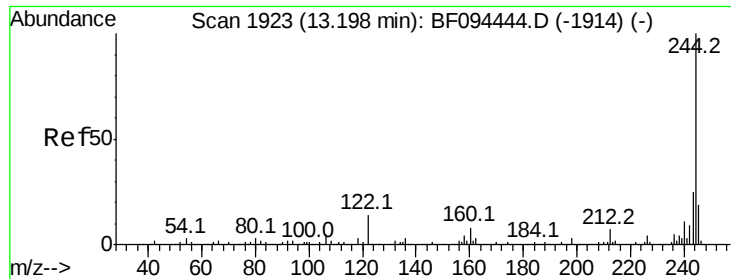


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 112.60 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

Instrument :

BNA_F

ClientSampled :

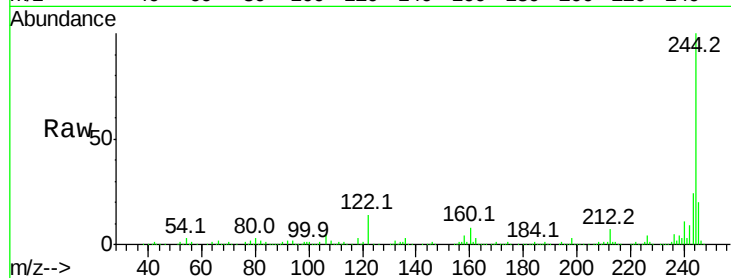
Tot Ion:244 Resp: 791658

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

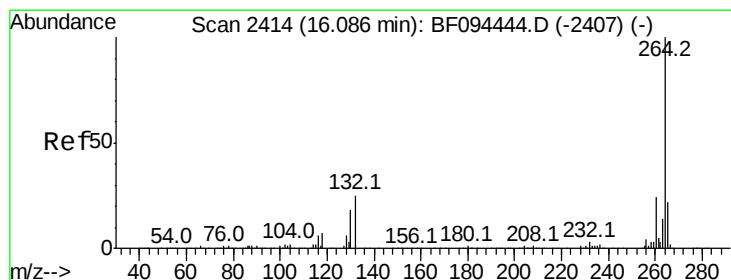
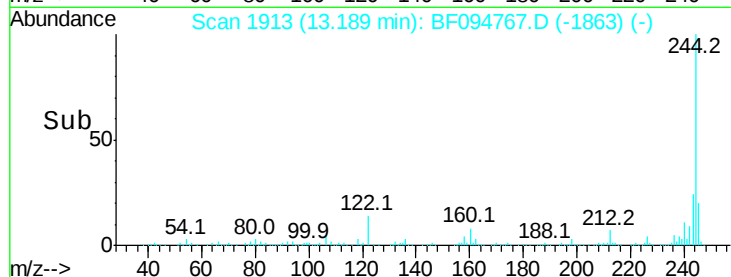
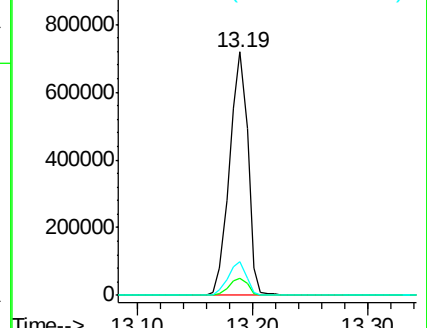
122 13.7 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BF094767.D

Acq: 2 May 2017 00:04

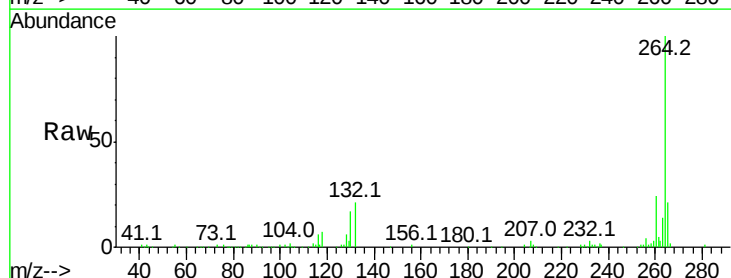
Tgt Ion:264 Resp: 158800

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.3 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

