

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043017\
 Data File : BF094735.D
 Acq On : 1 May 2017 1:58
 Operator : SJ/MA
 Sample : I2902-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 04:52:25 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

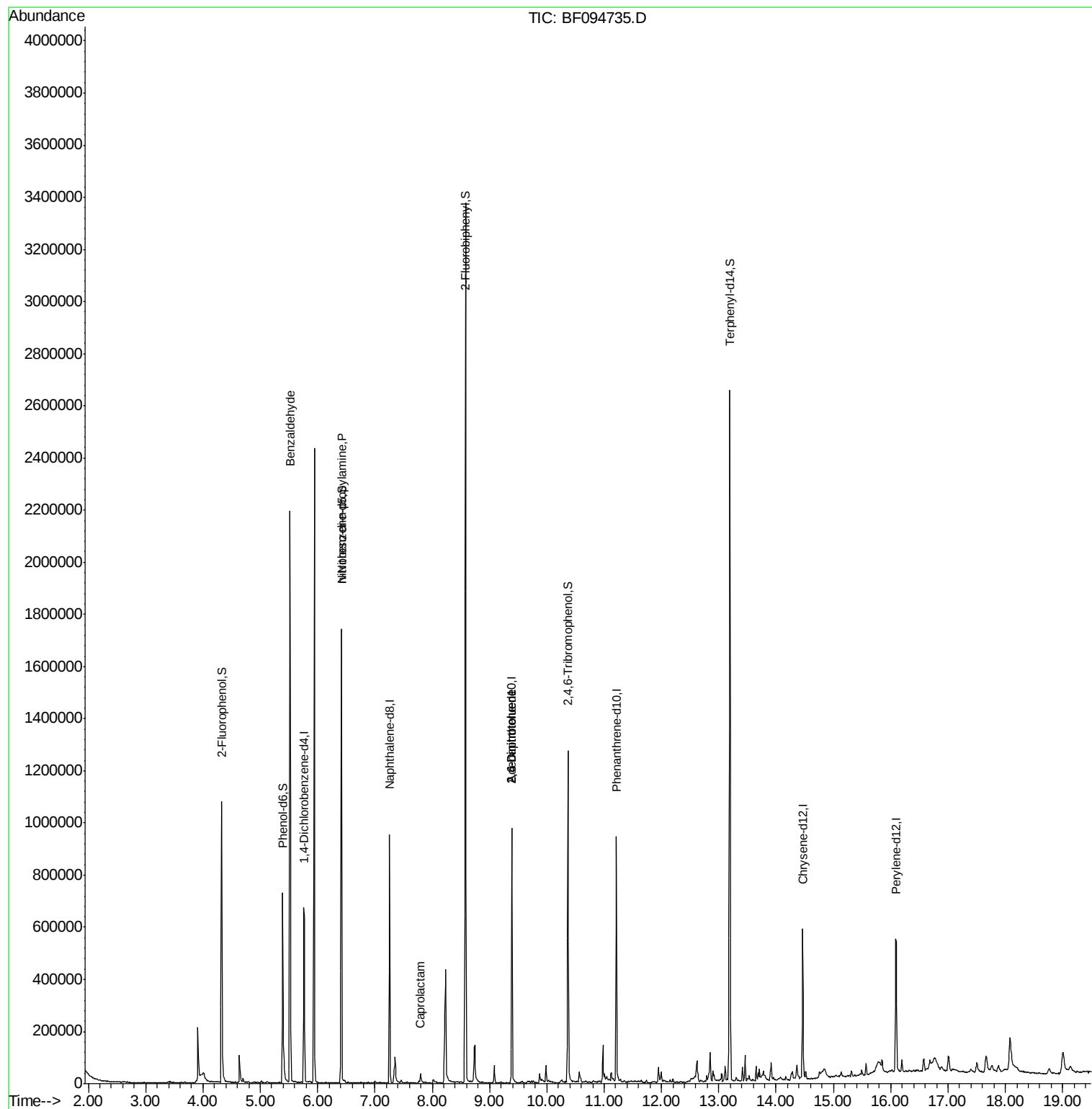
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	112986	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	457534	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	213402	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	361943	20.00	ng	0.00
75) Chrysene-d12	14.47	240	232199	20.00	ng	0.00
86) Perylene-d12	16.09	264	214012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	374376	54.97	ng	0.02
7) Phenol-d6	5.39	99	311836	38.84	ng	0.00
23) Nitrobenzene-d5	6.42	82	657788	88.77	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	162636	97.43	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1262717	87.06	ng	0.00
78) Terphenyl-d14	13.19	244	964215	110.99	ng	0.00
Target Compounds						
9) Benzaldehyde	5.52	77	12676	2.08	ng	# 83
19) n-Nitroso-di-n-propylamine	6.42	70	86263	16.22	ng	# 76
35) Caprolactam	7.80	113	5434	2.73	ng	# 88
50) 2,6-Dinitrotoluene	9.39	165	27392	7.67	ng	# 32
56) 2,4-Dinitrotoluene	9.39	165	27391	6.25	ng	# 32

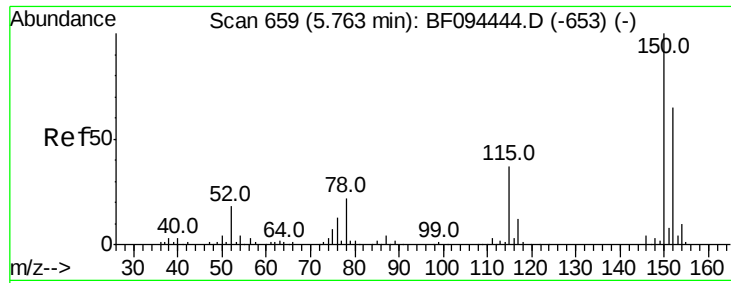
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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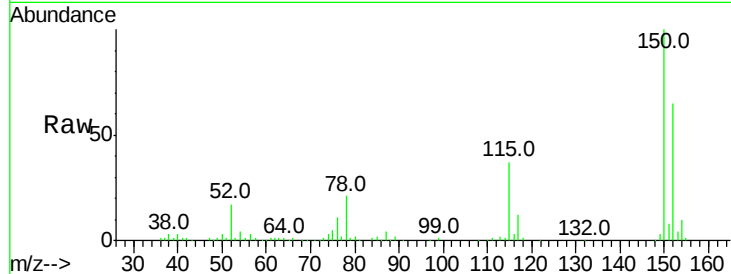


#1

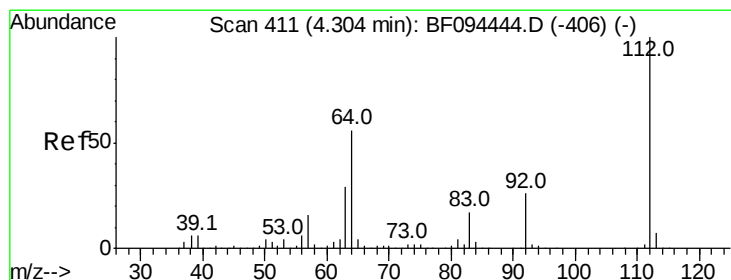
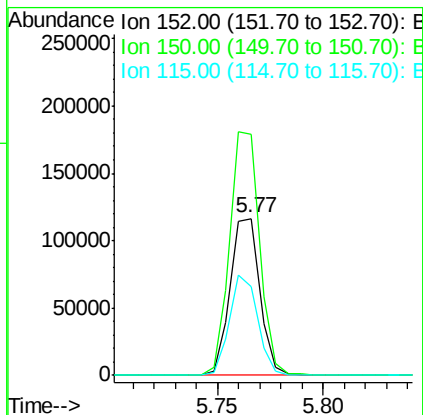
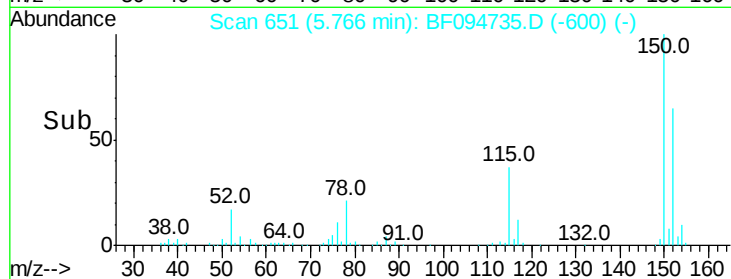
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094735.D
Acq: 1 May 2017 1:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112986
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 56.7 52.2 78.2



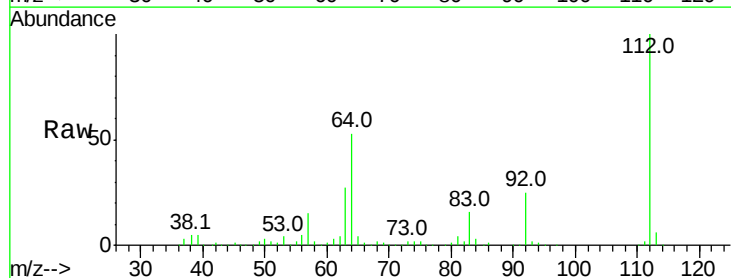
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



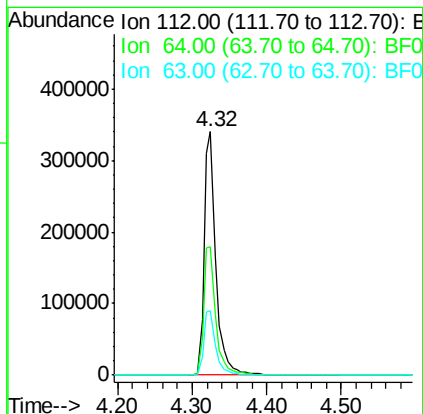
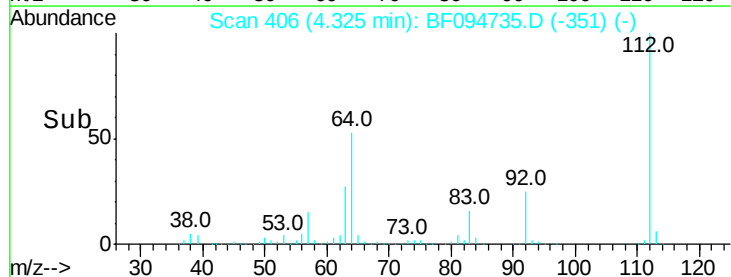
#5

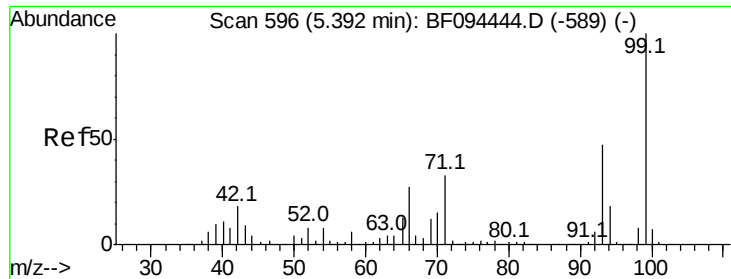
2-Fluorophenol
Concen: 54.97 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094735.D
Acq: 1 May 2017 1:58

Tgt Ion:112 Resp: 374376
Ion Ratio Lower Upper
112 100
64 52.5 46.0 69.0
63 26.5 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: 38.84 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

Instrument :

BNA_F

ClientSampleId :

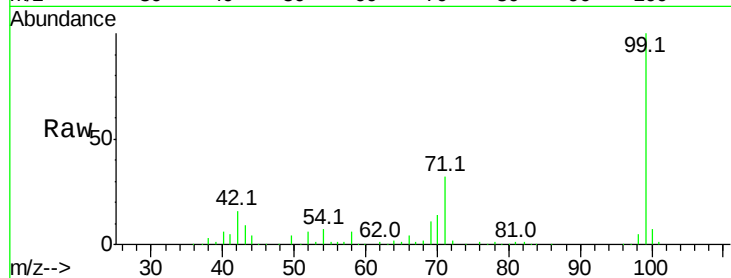
Tot Ion: 99 Resp: 311836

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

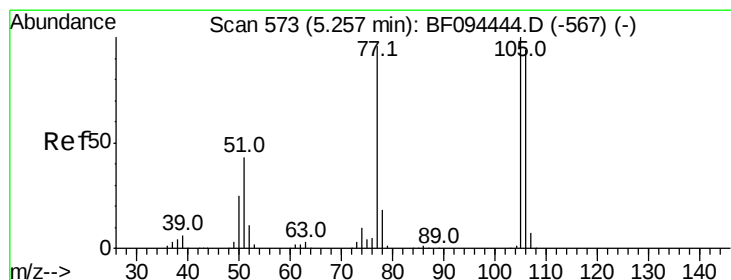
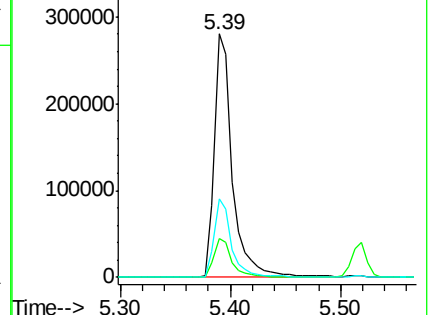
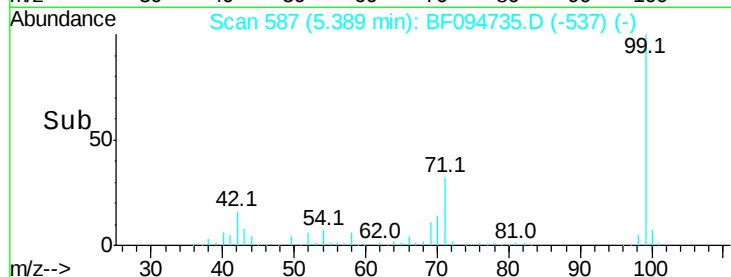
71 32.2 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.08 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

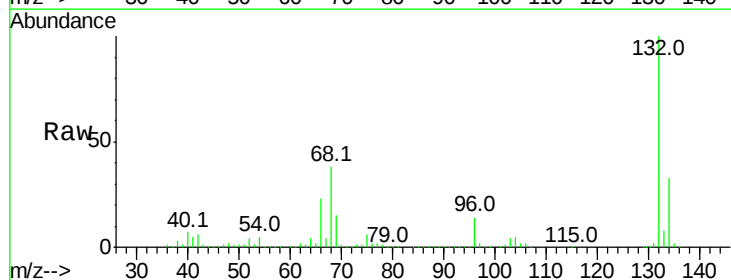
Tgt Ion: 77 Resp: 12676

Ion Ratio Lower Upper

77 100

105 80.0 83.8 123.8#

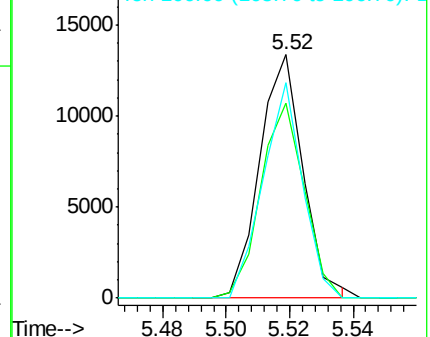
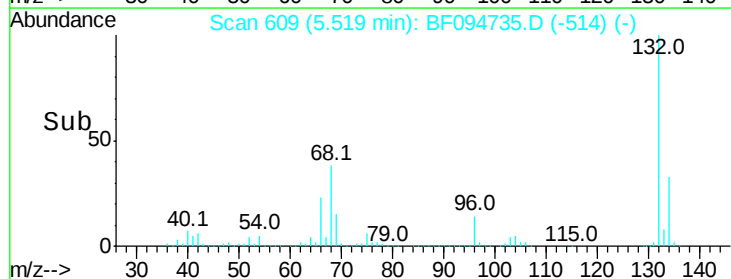
106 88.6 79.1 119.1

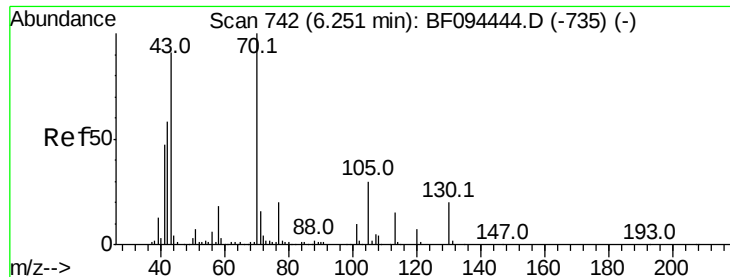


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.22 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 86263

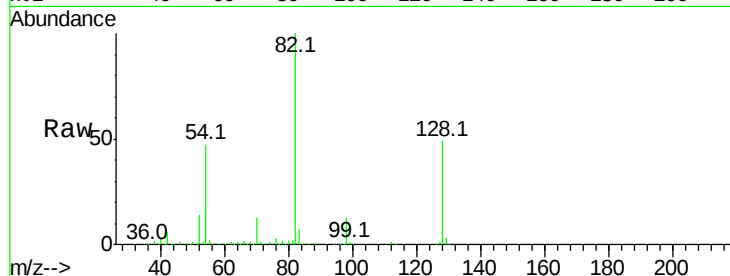
Ion Ratio Lower Upper

70 100

42 44.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

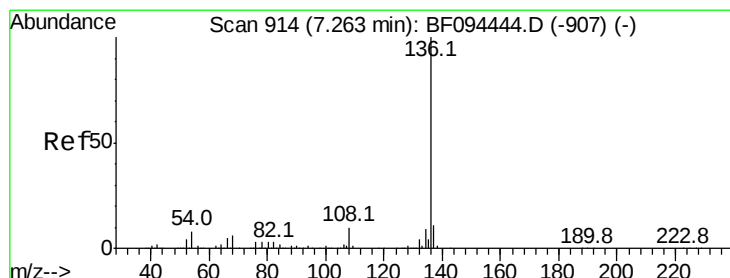
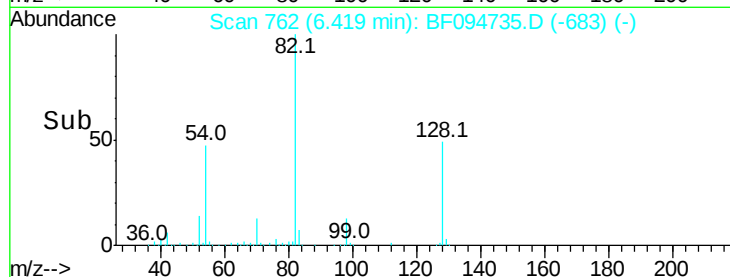
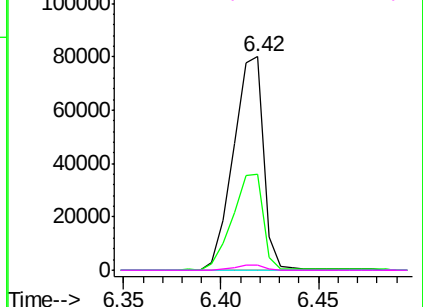


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF094735.D

Acq: 1 May 2017 1:58

Tgt Ion:136 Resp: 457534

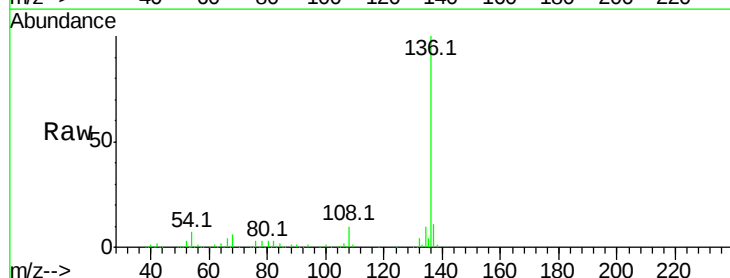
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.4 4.9 7.3#

68 6.1 4.1 6.1

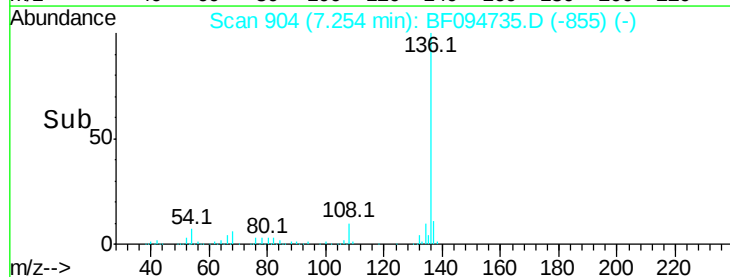
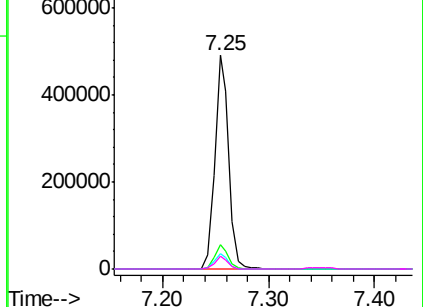


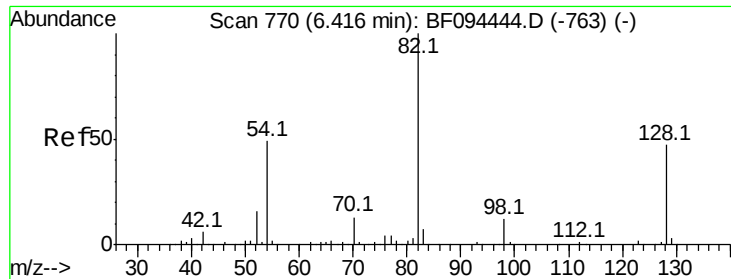
Abundance Ion 136.00 (135.70 to 136.70): E

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

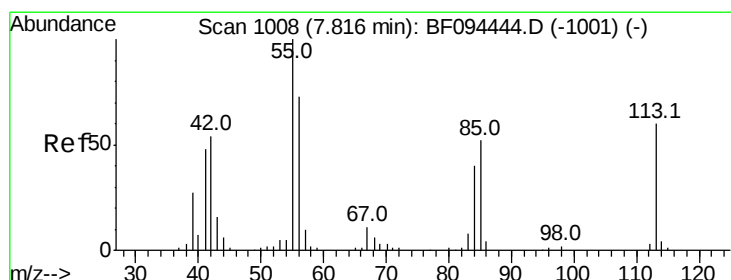
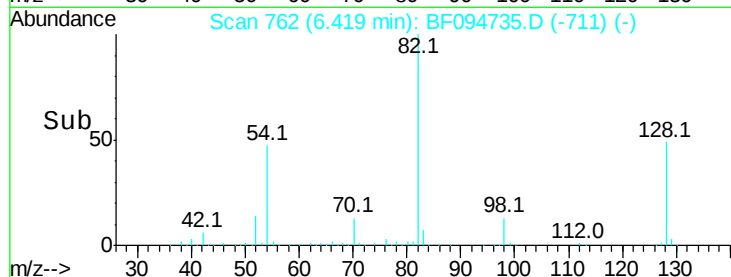
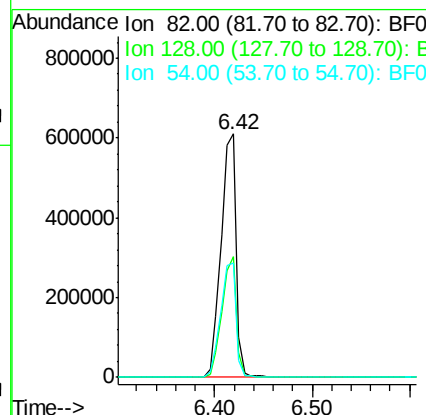
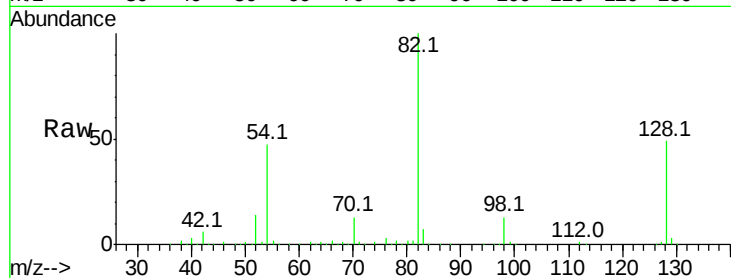




#23
 Nitrobenzene-d5
 Concen: 88.77 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094735.D
 Acq: 1 May 2017 1:58

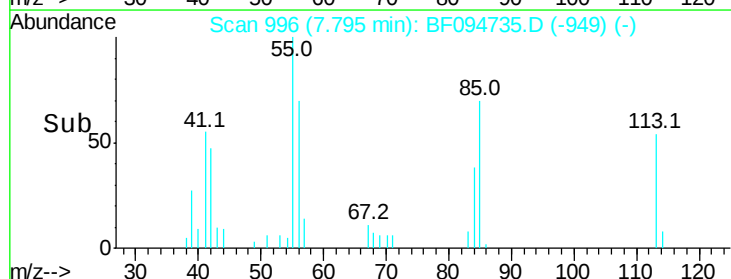
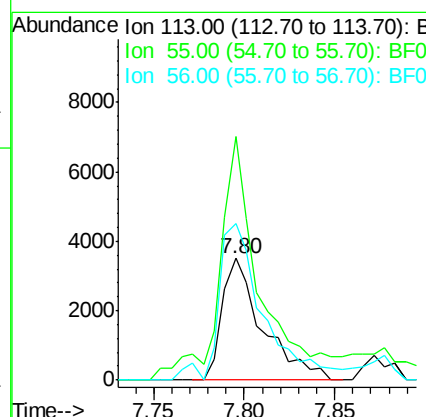
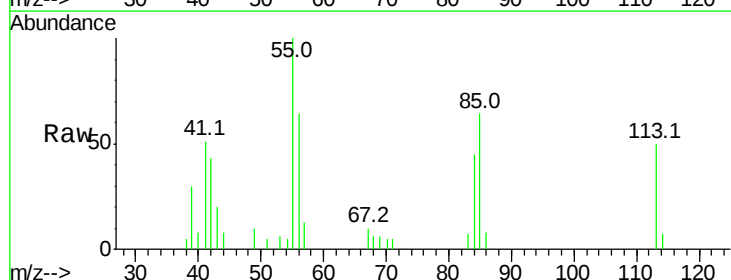
Instrument :
 BNA_F
 ClientSampleId :

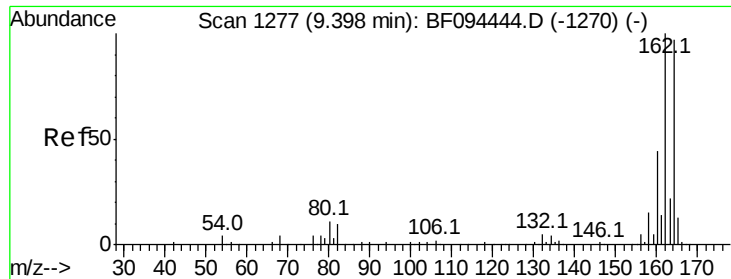
Tot Ion: 82 Resp: 657788
 Ion Ratio Lower Upper
 82 100
 128 49.4 34.0 51.0
 54 46.9 42.2 63.2



#35
 Caprolactam
 Concen: 2.73 ng
 RT: 7.80 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: BF094735.D
 Acq: 1 May 2017 1:58

Tgt Ion: 113 Resp: 5434
 Ion Ratio Lower Upper
 113 100
 55 199.7 150.2 190.2#
 56 127.9 107.8 147.8

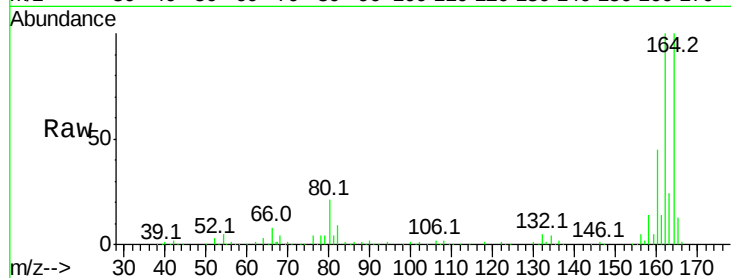




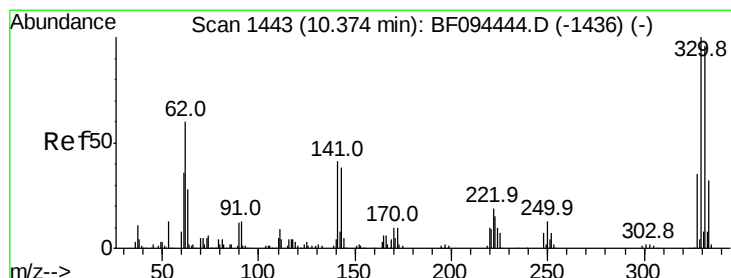
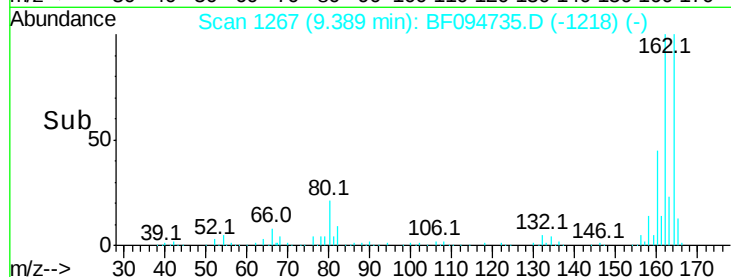
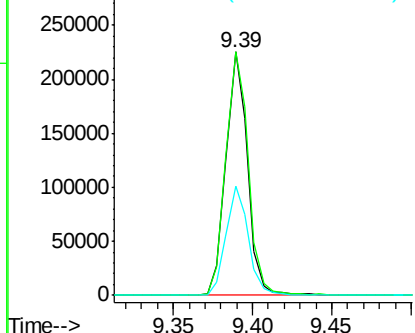
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094735.D
 Acq: 1 May 2017 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 213402
 Ion Ratio Lower Upper
 164 100
 162 100.0 82.6 123.8
 160 44.7 36.2 54.2

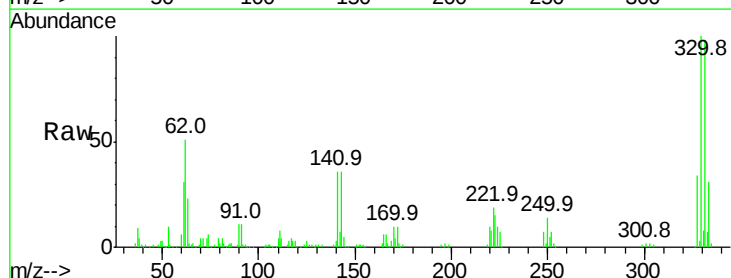


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

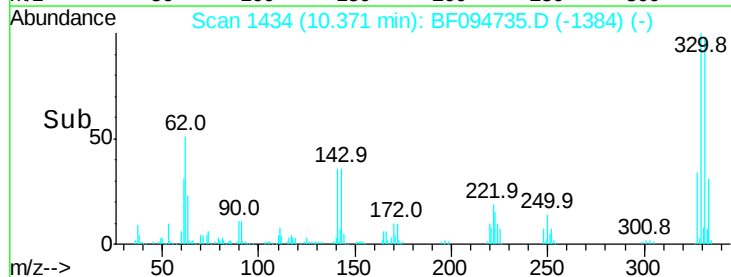
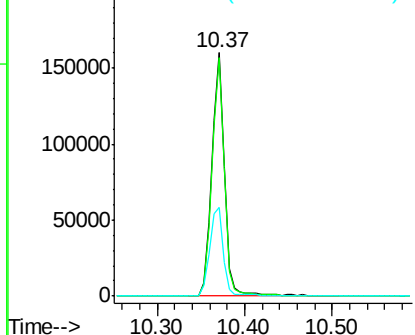


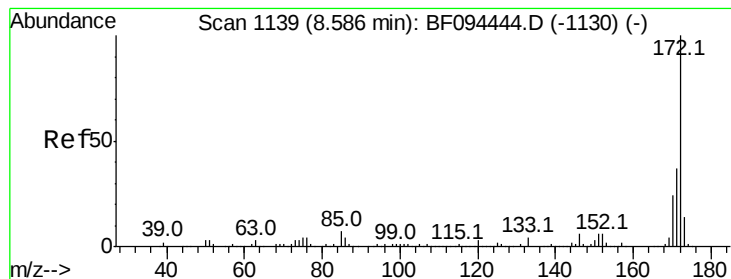
#41
 2,4,6-Tribromophenol
 Concen: 97.43 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094735.D
 Acq: 1 May 2017 1:58

Tgt Ion:330 Resp: 162636
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 39.2 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: 87.06 ng

RT: 8.58 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

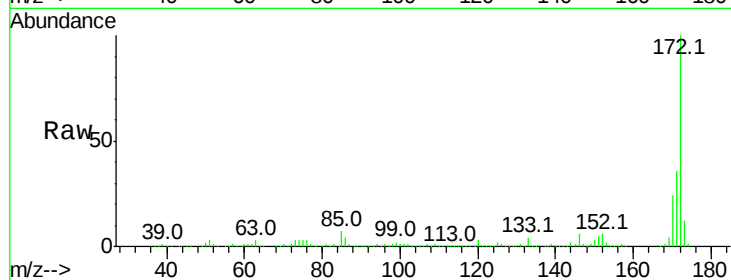
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1262717

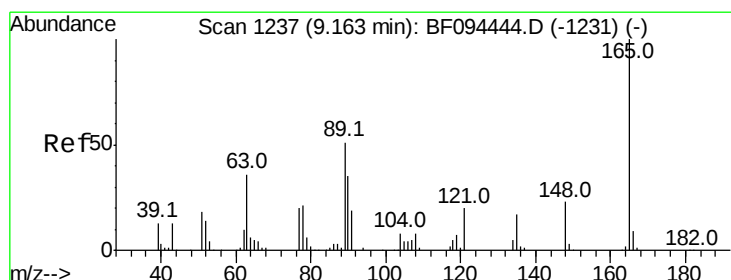
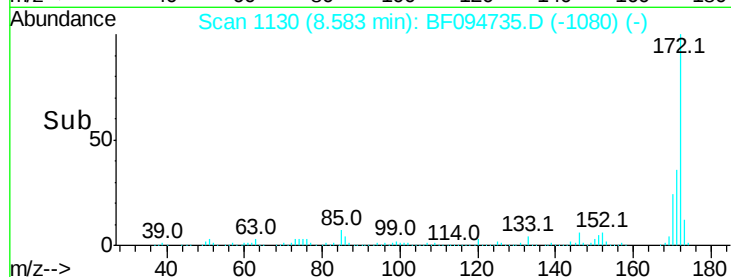
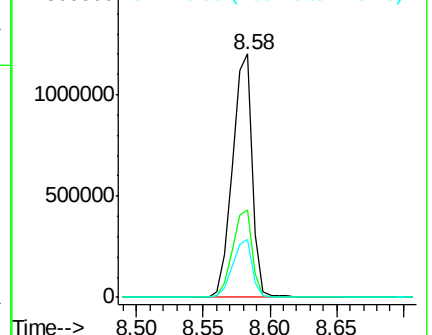
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.9	19.8	29.8



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: 7.67 ng

RT: 9.39 min Scan# 1267

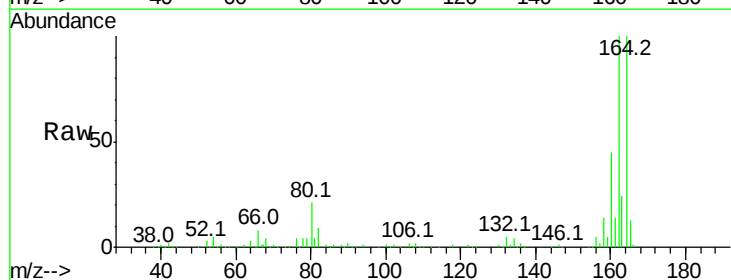
Delta R.T. 0.23 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

Tgt Ion:165 Resp: 27392

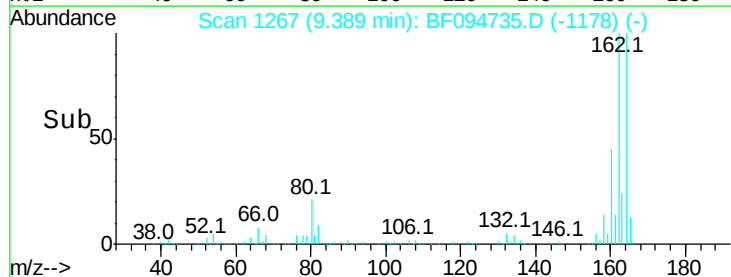
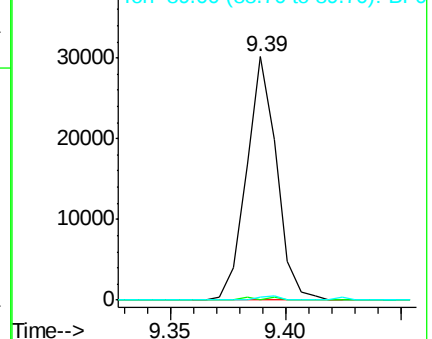
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.0	37.1	55.7#

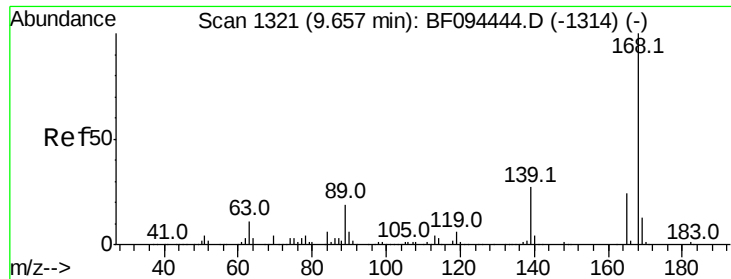


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

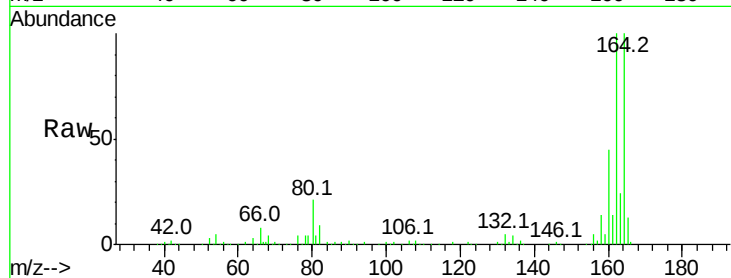




#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.27 min
 Lab File: BF094735.D
 Acq: 1 May 2017 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	27391
Ion Ratio	Lower	Upper	
165	100		
63	0.0	25.4	38.0#
89	1.0	46.4	69.6#
182	0.0	1.8	2.6#

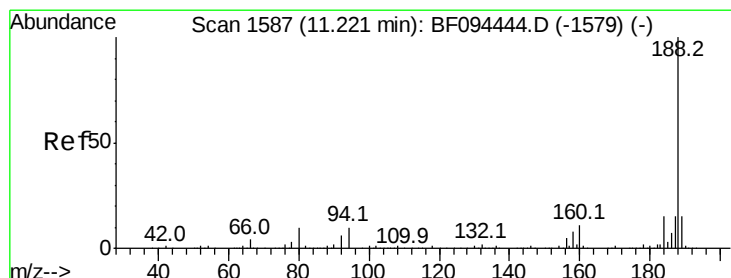
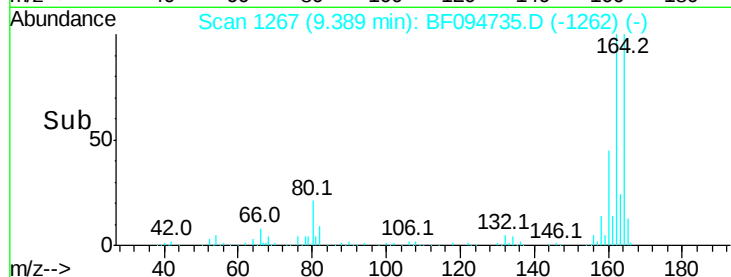
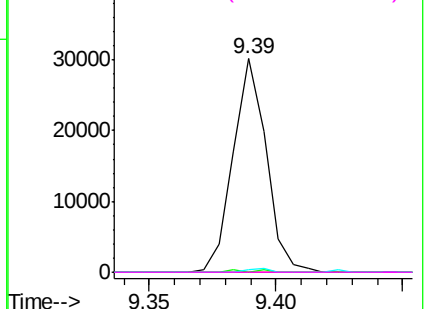


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

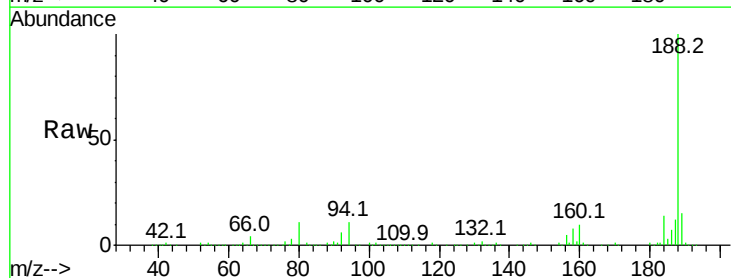
Ion 89.00 (88.70 to 89.70): BF0

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: BF094735.D
 Acq: 1 May 2017 1:58

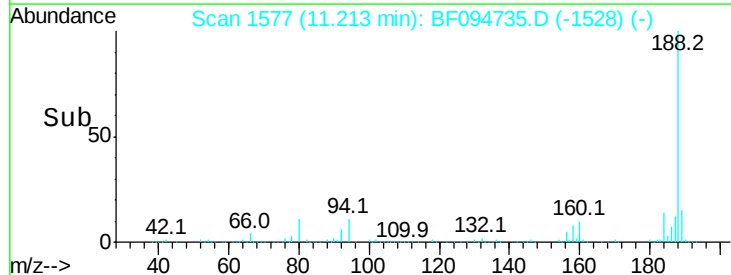
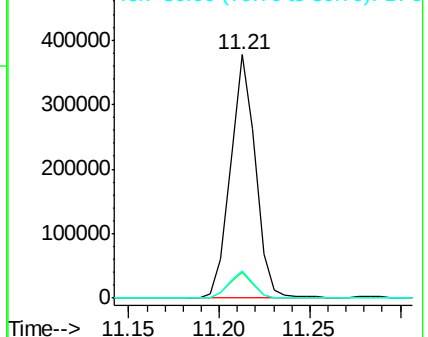
Tgt Ion:	188	Resp:	361943
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	11.0	10.2	15.2

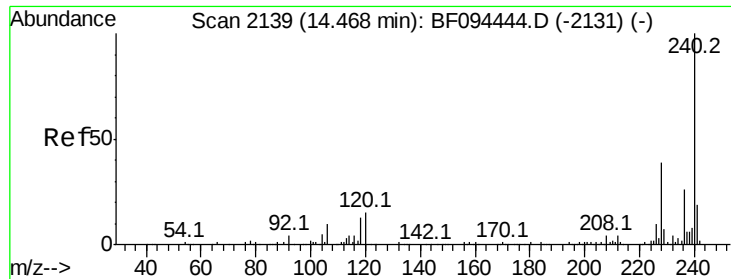


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF094735.D

Acq: 1 May 2017 1:58

Instrument :

BNA_F

ClientSampleId :

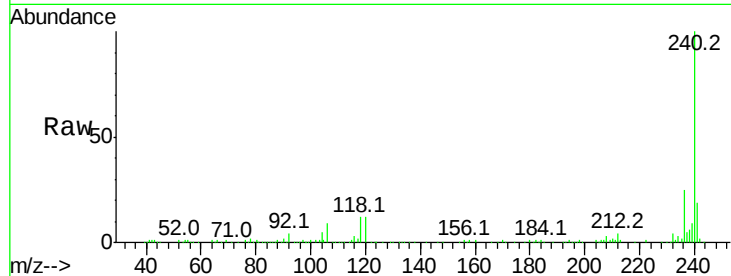
Tot Ion:240 Resp: 232199

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

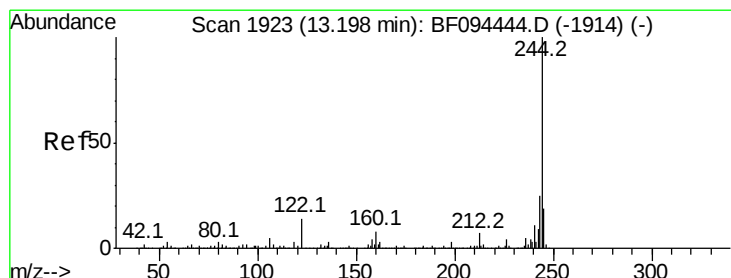
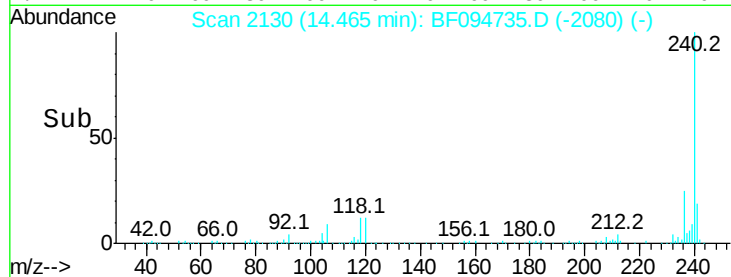
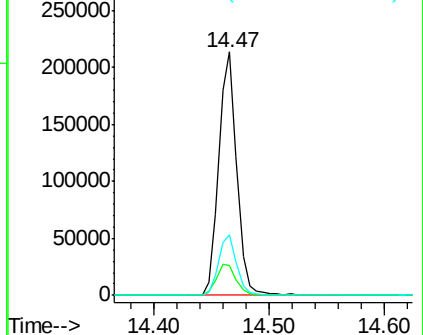
236 24.8 20.5 30.7



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: 110.99 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094735.D

Acq: 1 May 2017 1:58

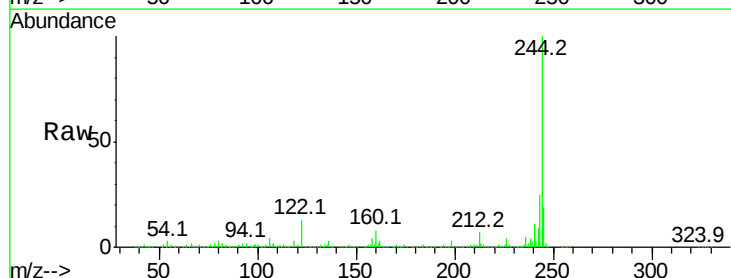
Tgt Ion:244 Resp: 964215

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

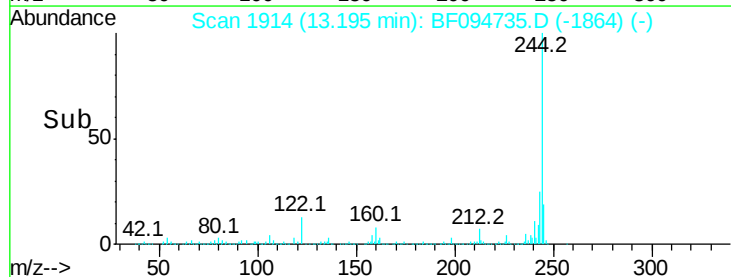
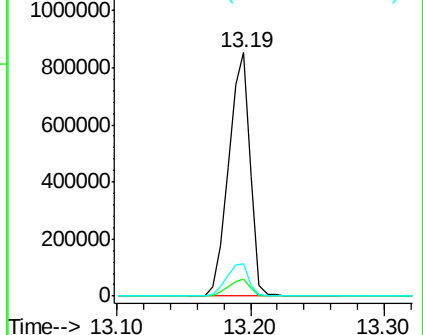
122 13.2 10.3 15.5

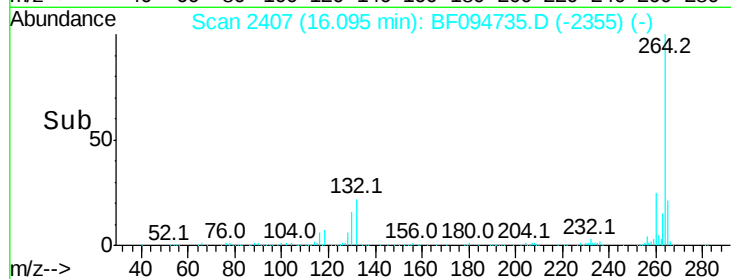
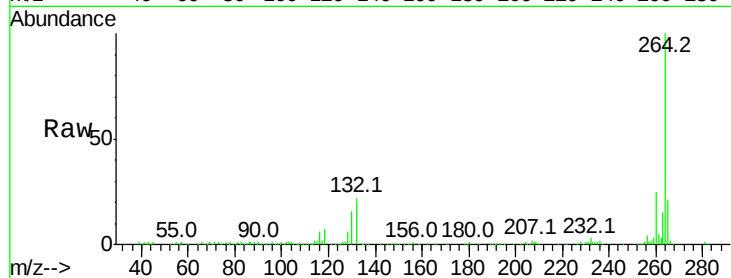
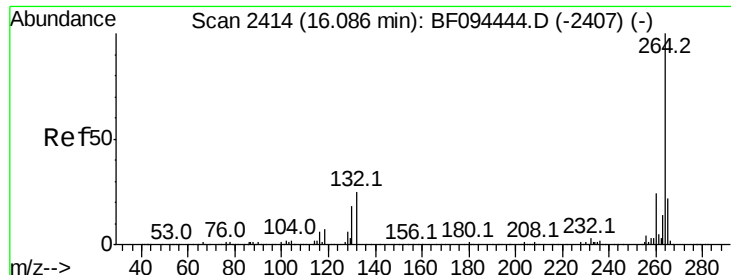


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF094735.D

Acq: 1 May 2017 1:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 214012

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

265 21.2 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

