

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086464.D
 Acq On : 28 Apr 2016 10:26
 Operator : UM/SJ
 Sample : H2660-01DL 15X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10DL

Quant Time: Apr 28 12:26:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

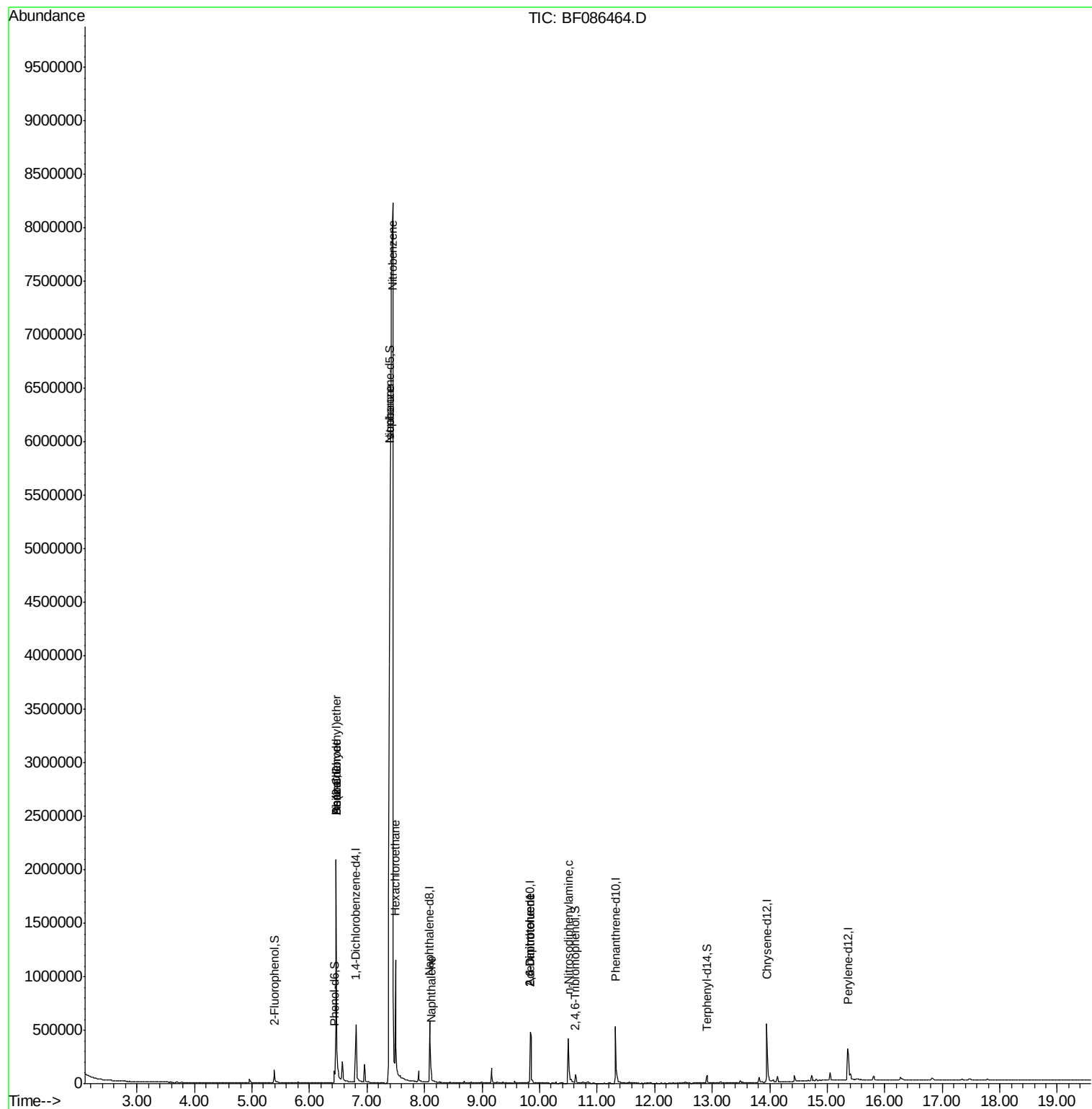
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	96761	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	373158	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	139259	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	236150	20.00	ng	0.00
75) Chrysene-d12	13.95	240	253893	20.00	ng	-0.01
86) Perylene-d12	15.36	264	181692	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	48066	8.57	ng	0.00
7) Phenol-d6	6.43	99	71847	9.18	ng	-0.01
23) Nitrobenzene-d5	7.40	82	42389	6.12	ng	0.02
41) 2,4,6-Tribromophenol	10.62	330	10464	7.13	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	64773	0.88	ng	-0.01
78) Terphenyl-d14	12.91	244	41842	3.63	ng	0.00
Target Compounds						
6) Aniline	6.46	93	796015	84.02	ng	Qvalue 92
9) Benzaldehyde	6.46	77	9640	2.12	ng	# 4
10) Phenol	6.46	94	62418	7.15	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	796015	105.41	ng	# 25
18) Hexachloroethane	7.49	117	6659	2.30	ng	# 1
24) Nitrobenzene	7.45	77	8713019	1223.48	ng	90
25) Isophorone	7.40	82	41057	3.08	ng	# 72
31) Naphthalene	8.11	128	48132	2.53	ng	99
50) 2,6-Dinitrotoluene	9.84	165	16755	7.74	ng	# 21
56) 2,4-Dinitrotoluene	9.84	165	16752	6.07	ng	# 16
65) n-Nitrosodiphenylamine	10.50	169	146470	19.85	ng	99

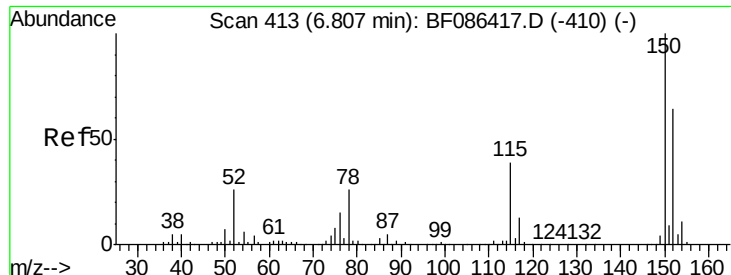
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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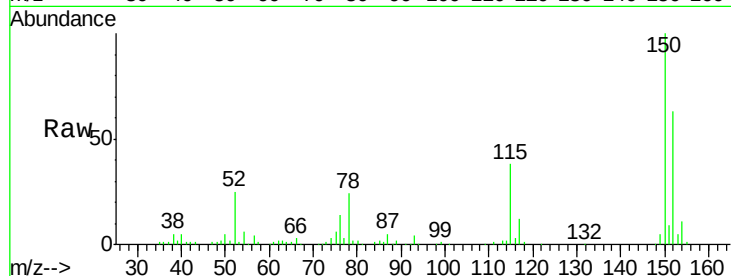


#1

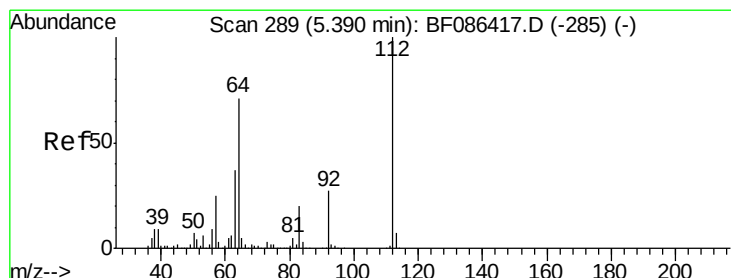
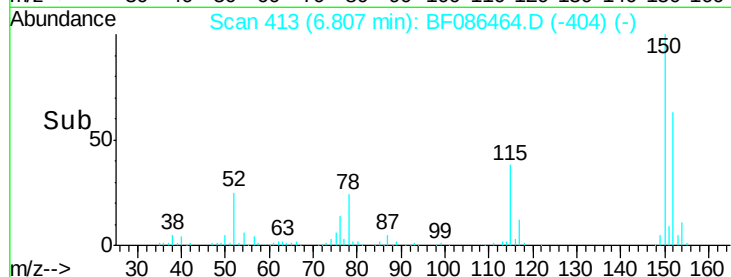
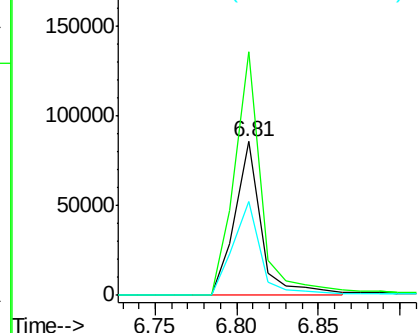
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10DL

Tot Ion:152 Resp: 96761
Ion Ratio Lower Upper
152 100
150 158.2 125.8 188.6
115 60.8 51.5 77.3



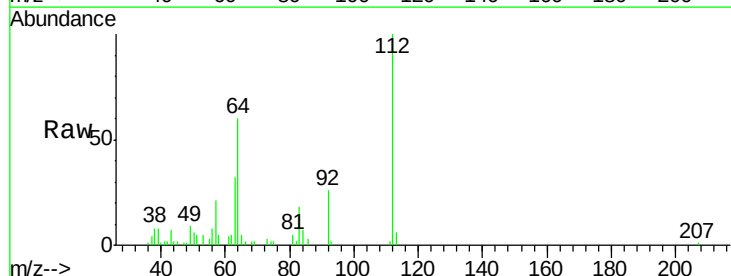
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



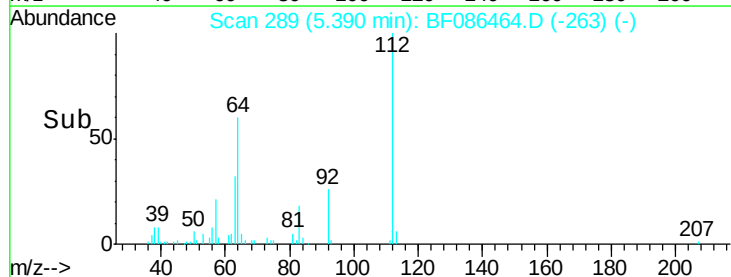
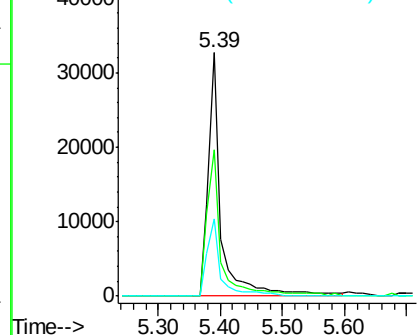
#5

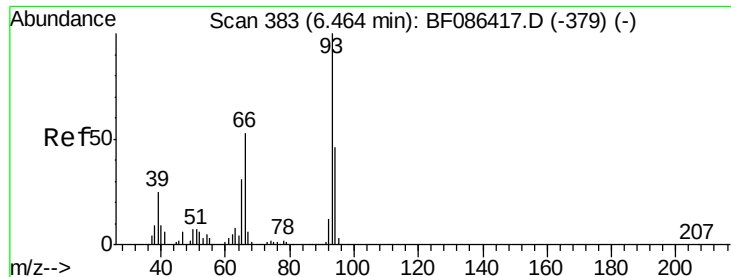
2-Fluorophenol
Concen: 8.57 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Tgt Ion:112 Resp: 48066
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 32.0 25.7 38.5



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





#6

Aniline

Concen: 84.02 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10DL

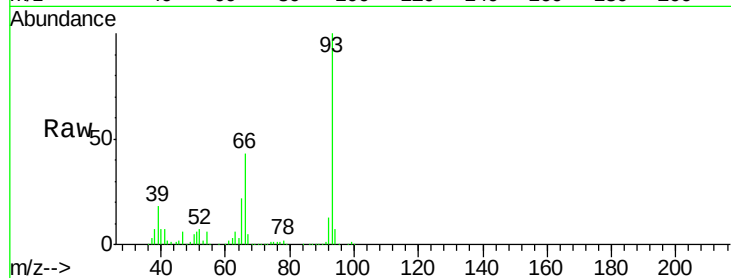
Tot Ion: 93 Resp: 796015

Ion Ratio Lower Upper

93 100

66 42.6 39.0 58.6

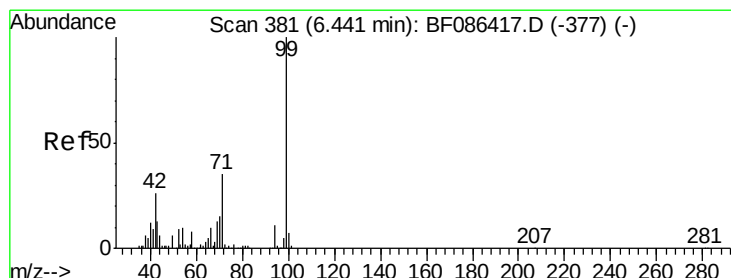
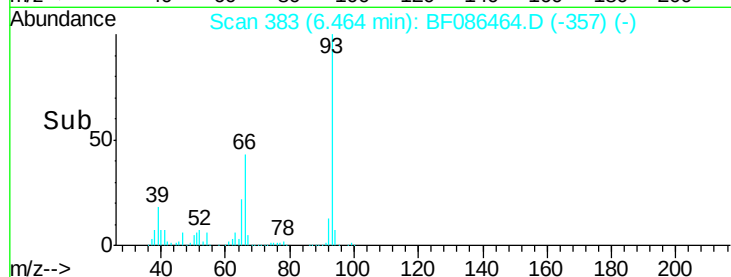
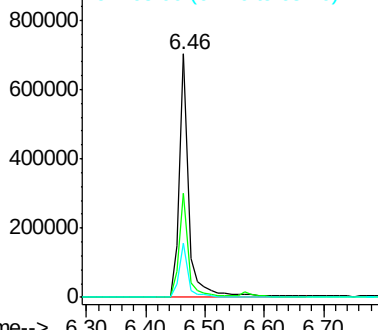
65 22.4 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 9.18 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

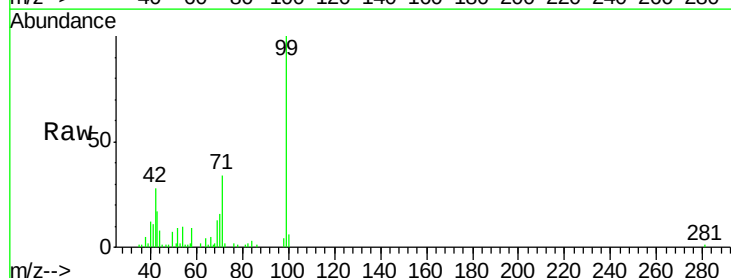
Tgt Ion: 99 Resp: 71847

Ion Ratio Lower Upper

99 100

42 28.2 13.6 20.4#

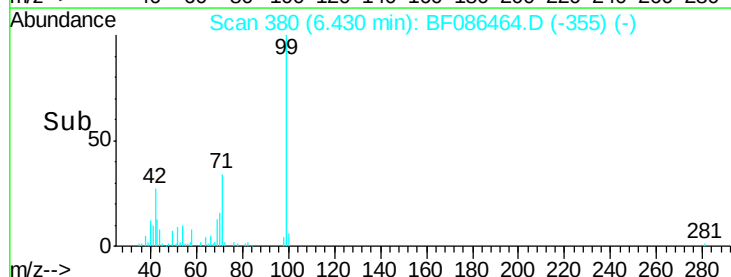
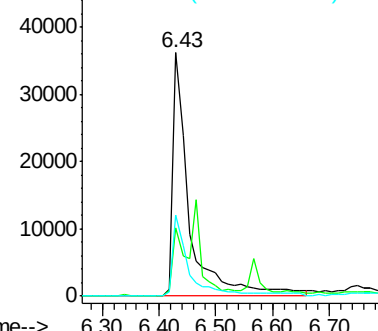
71 33.5 24.6 36.8

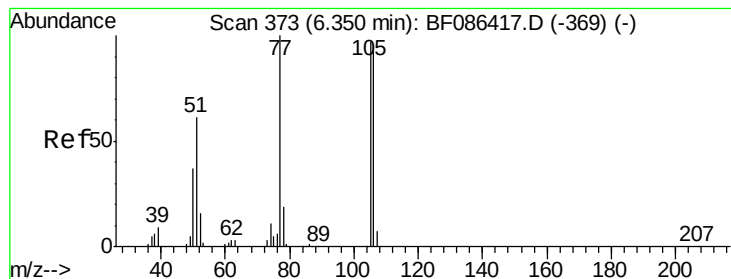


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 2.12 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.11 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10DL

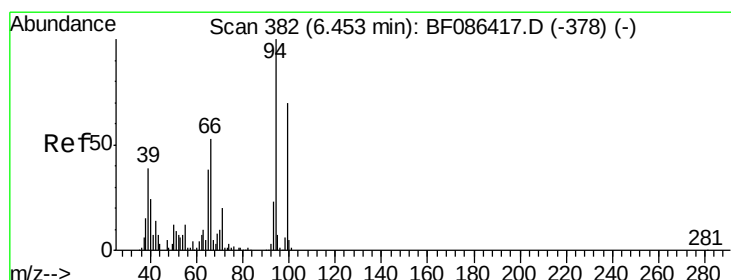
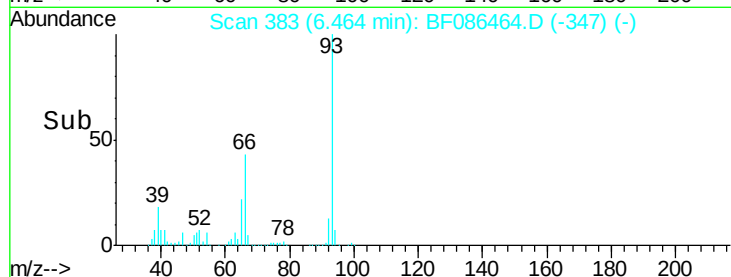
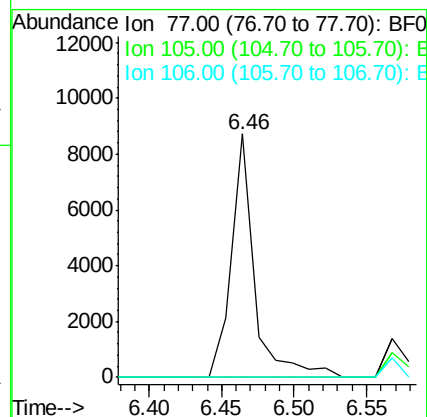
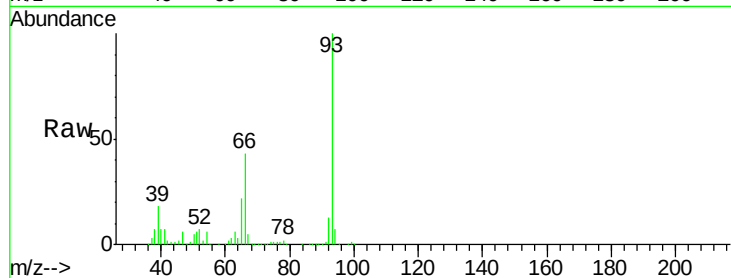
Tot Ion: 77 Resp: 9640

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

106 0.0 70.8 110.8#



#10

Phenol

Concen: 7.15 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

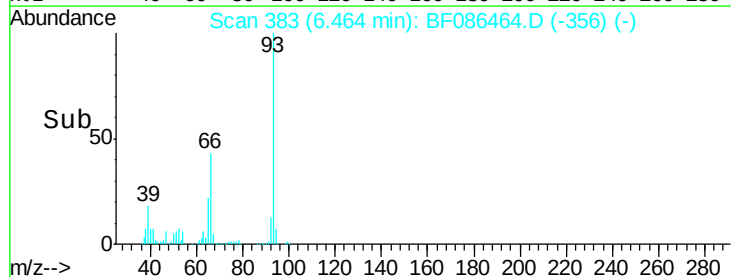
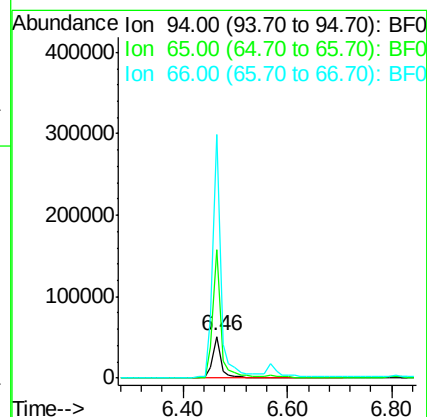
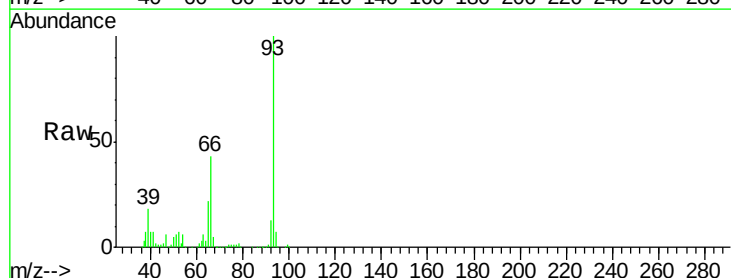
Tgt Ion: 94 Resp: 62418

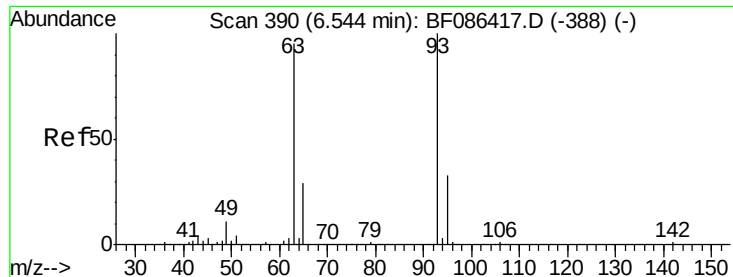
Ion Ratio Lower Upper

94 100

65 309.5 7.2 47.2#

66 588.5 14.9 54.9#

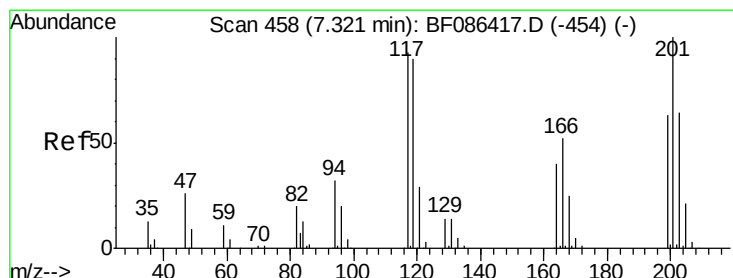
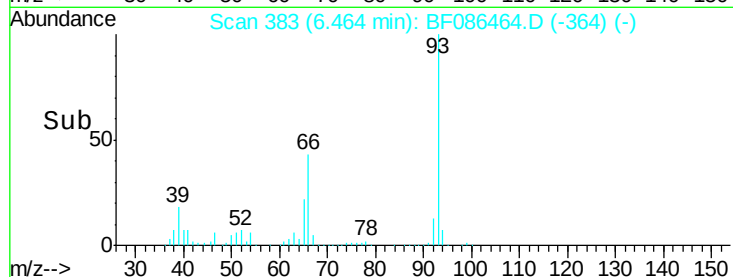
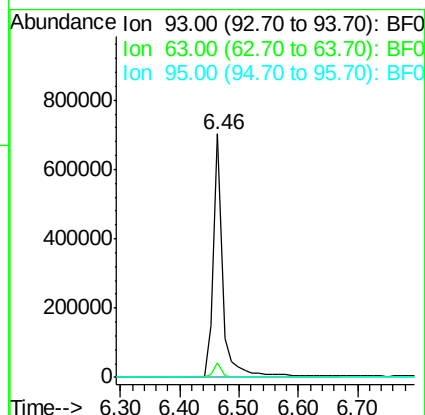
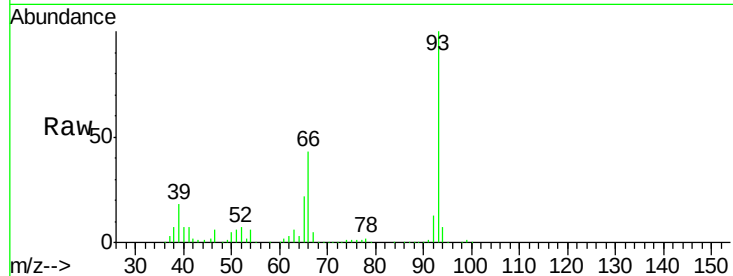




#11
bis(2-Chloroethyl)ether
Concen: 105.41 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.08 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

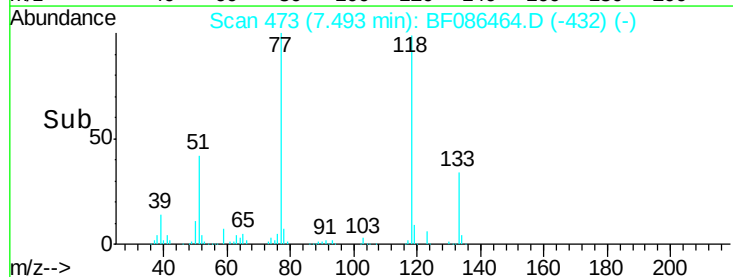
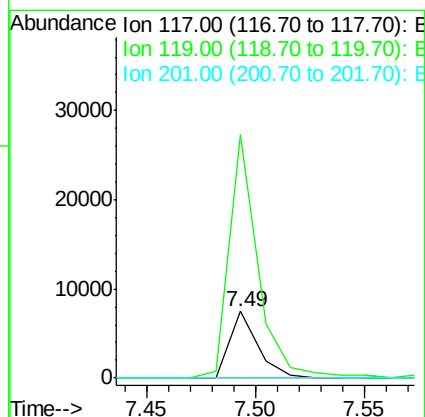
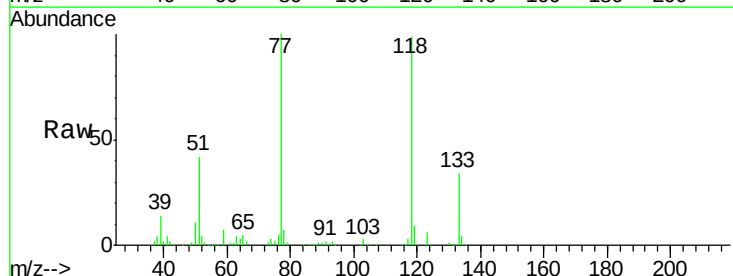
Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10DL

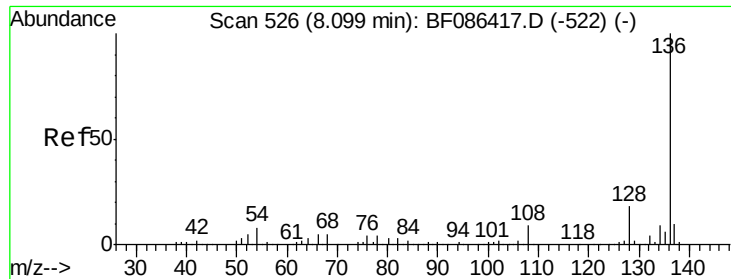
Tot Ion: 93 Resp: 796015
Ion Ratio Lower Upper
93 100
63 6.2 58.0 98.0#
95 0.2 11.9 51.9#



#18
Hexachloroethane
Concen: 2.30 ng
RT: 7.49 min Scan# 473
Delta R.T. 0.17 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Tgt Ion: 117 Resp: 6659
Ion Ratio Lower Upper
117 100
119 364.2 76.5 114.7#
201 0.0 63.0 94.6#

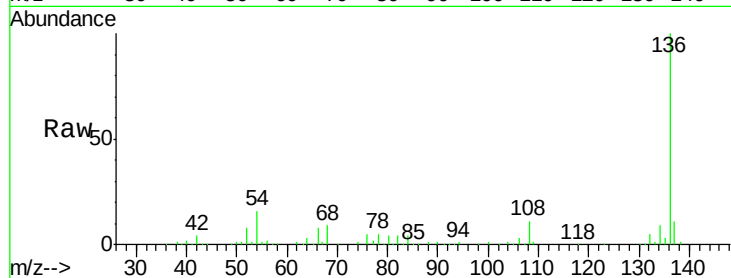




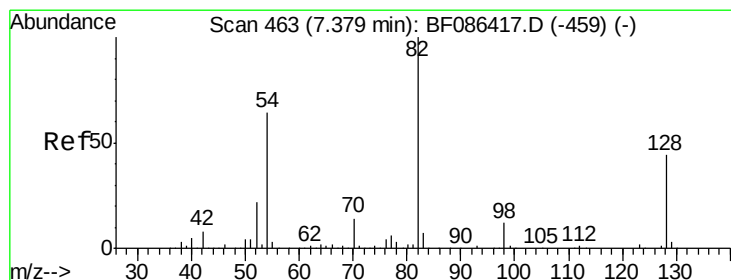
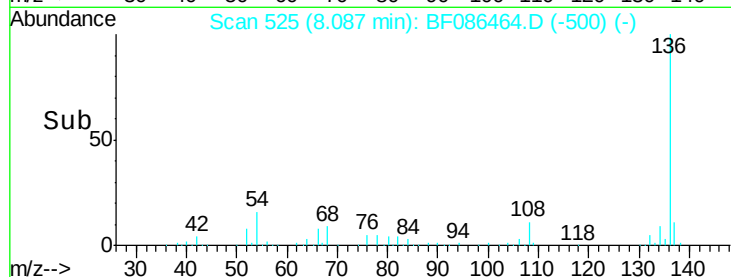
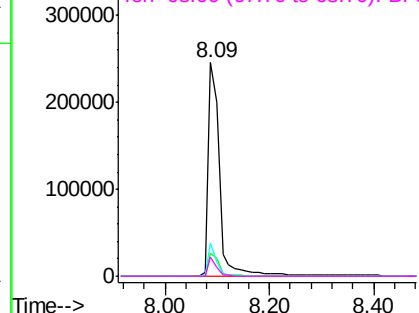
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10DL

Tot Ion:136	Resp:	373158
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	15.8	5.0 7.4#
68	9.1	4.4 6.6#

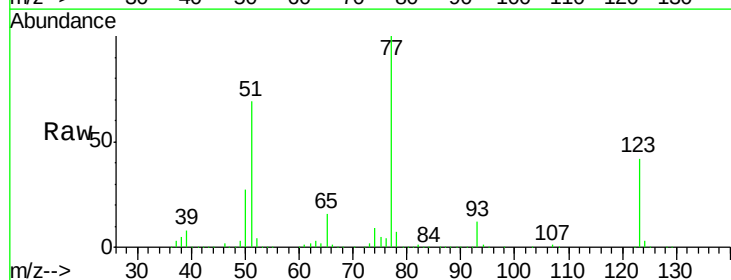


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

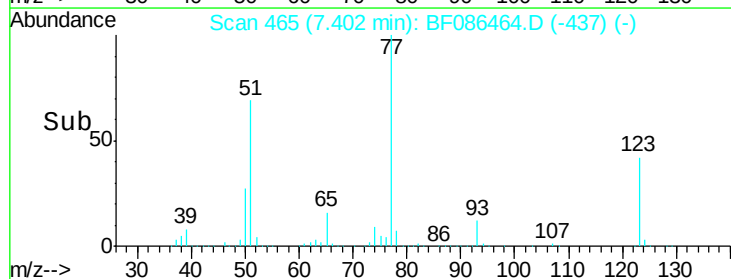
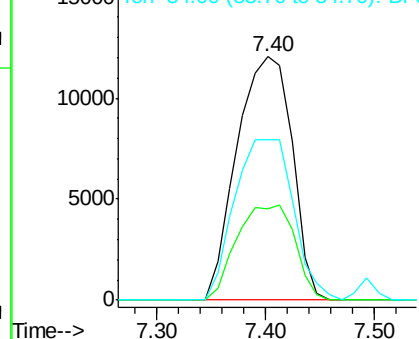


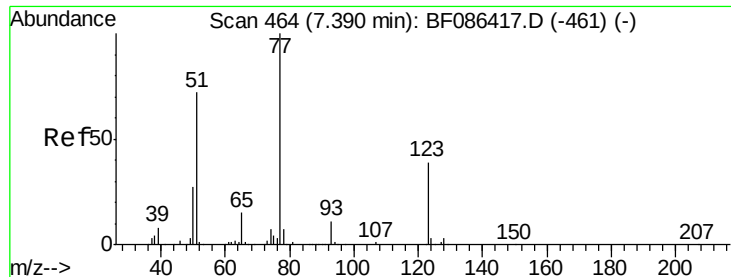
#23
Nitrobenzene-d5
Concen: 6.12 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.02 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Tgt Ion: 82	Resp:	42389
Ion Ratio	Lower	Upper
82	100	
128	37.6	40.6 61.0#
54	66.1	38.1 57.1#



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





#24

Nitrobenzene

Concen: 1223.48 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.06 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

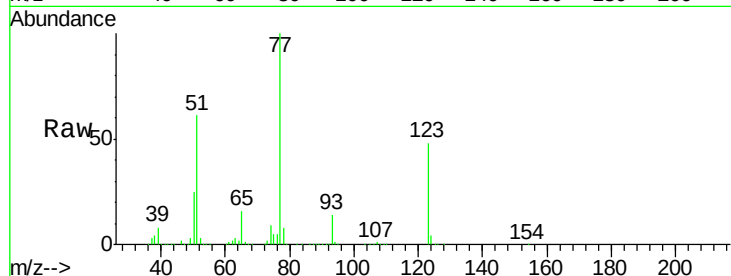
BNA_F

ClientSampleId :

NB2-PRE-B10DL

Tot Ion: 77 Resp: 8713019

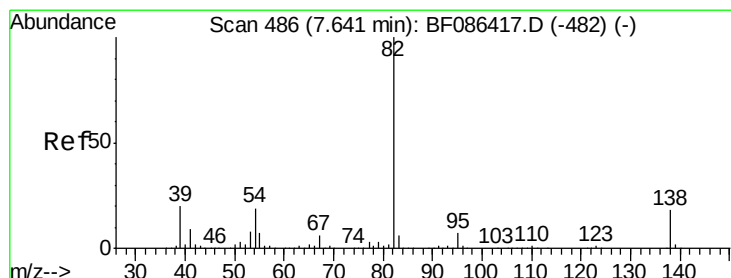
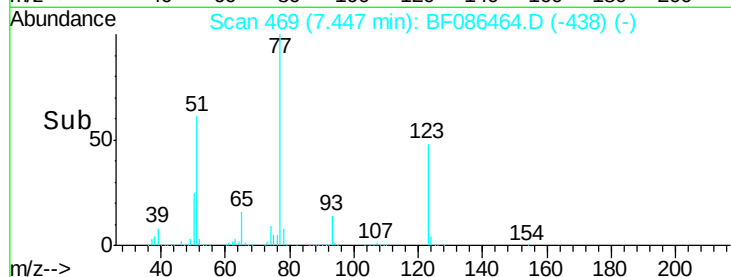
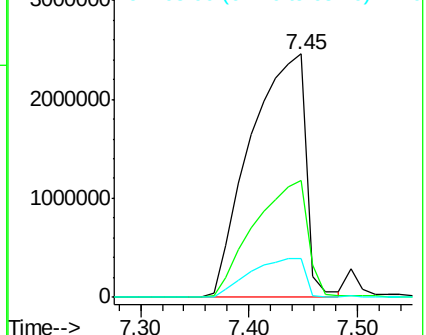
Ion	Ratio	Lower	Upper
77	100		
123	48.1	33.0	49.4
65	16.2	10.8	16.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 3.08 ng

RT: 7.40 min Scan# 465

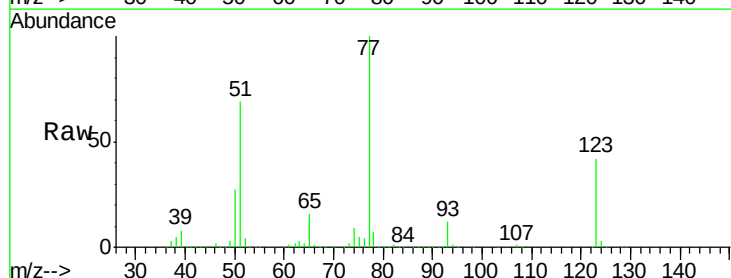
Delta R.T. -0.24 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Tgt Ion: 82 Resp: 41057

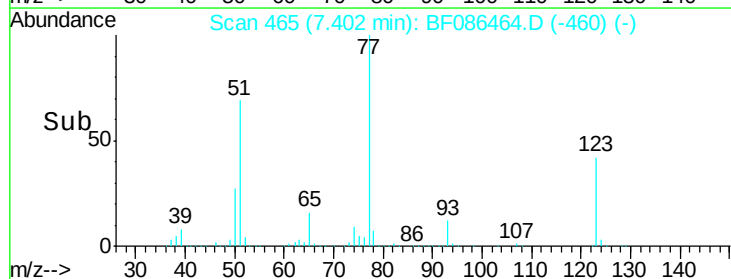
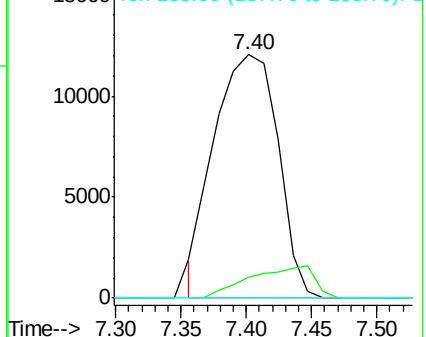
Ion	Ratio	Lower	Upper
82	100		
95	8.5	5.1	7.7#
138	0.0	12.4	18.6#

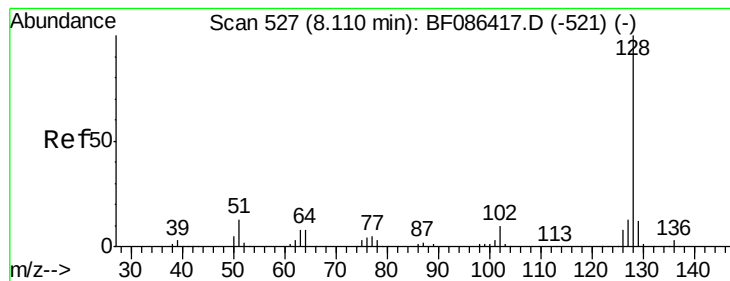


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 2.53 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA_F

ClientSampleID :

NB2-PRE-B10DL

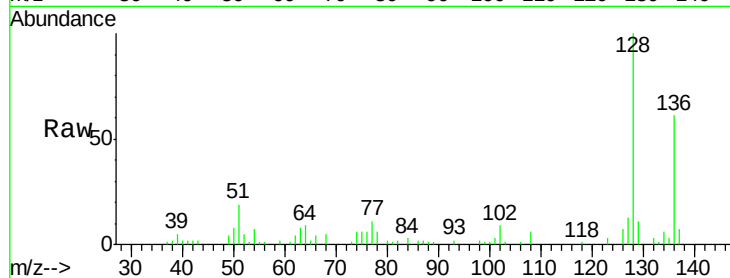
Tot Ion:128 Resp: 48132

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

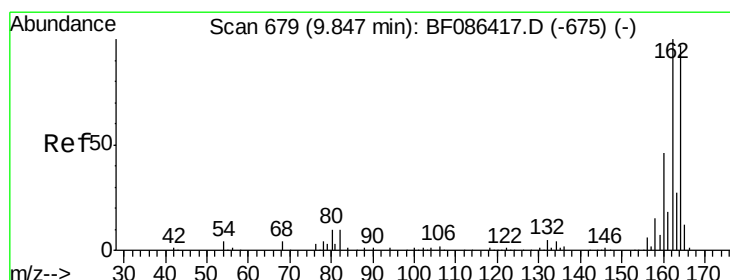
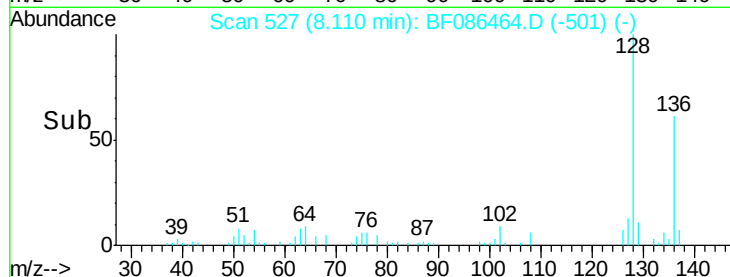
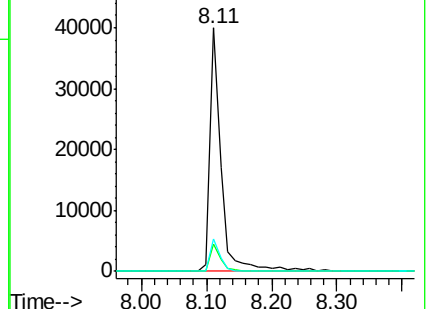
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

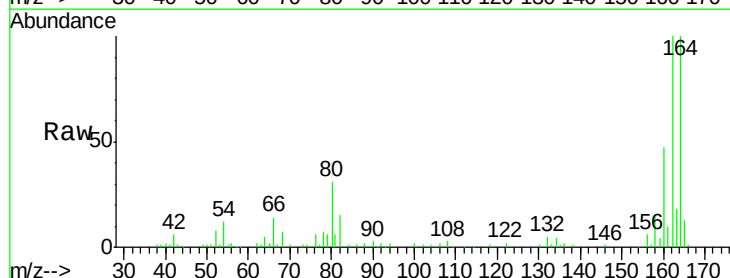
Tgt Ion:164 Resp: 139259

Ion Ratio Lower Upper

164 100

162 100.3 82.8 124.2

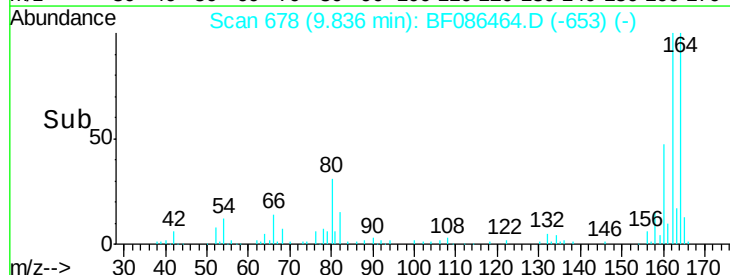
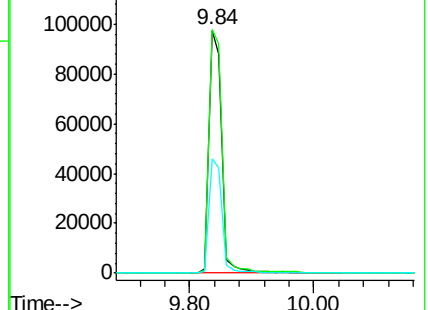
160 46.9 36.9 55.3

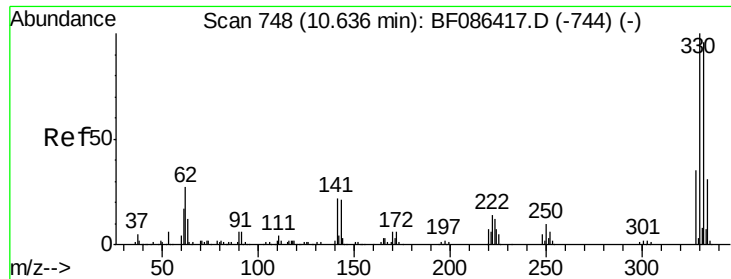


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

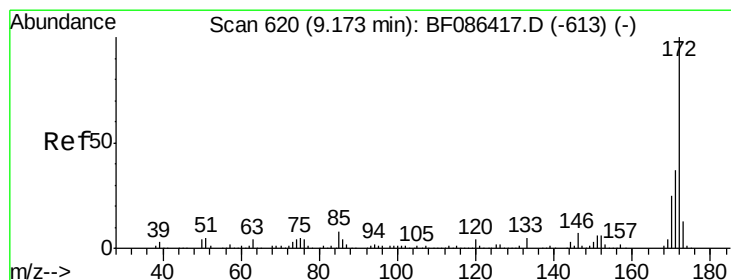
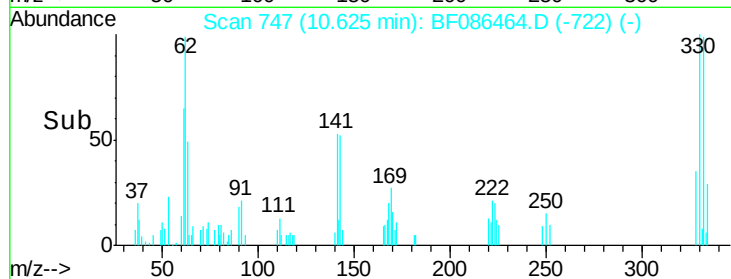
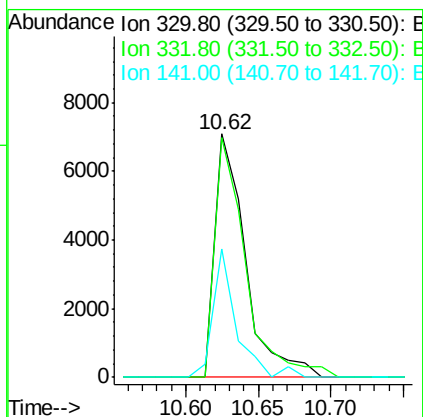
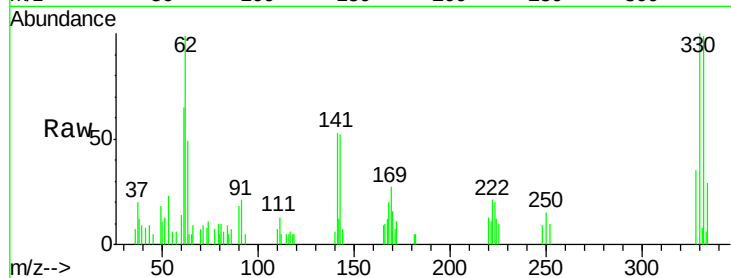




#41
 2,4,6-Tribromophenol
 Concen: 7.13 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086464.D
 Acq: 28 Apr 2016 10:26

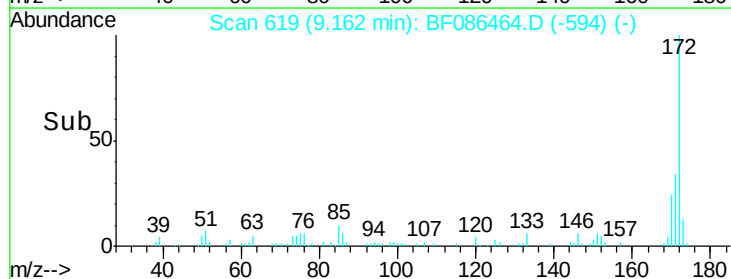
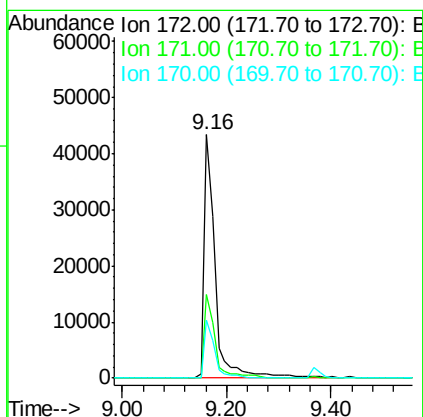
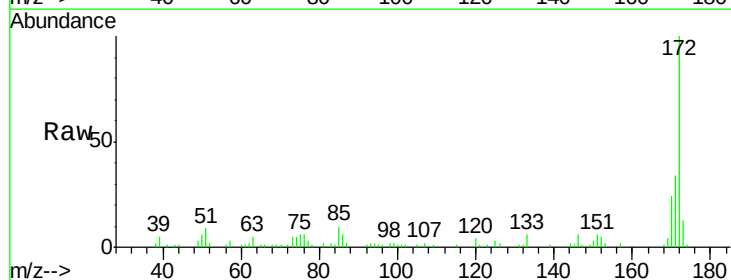
Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10DL

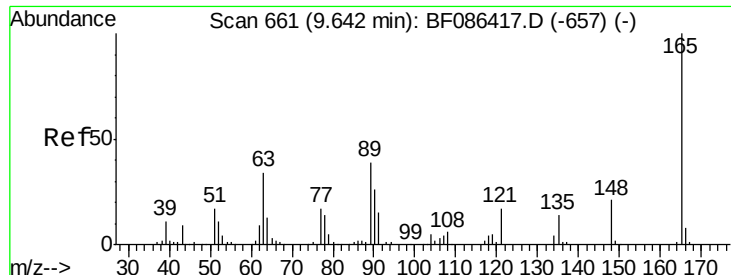
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	79.0	118.4
141	40.0	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 0.88 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086464.D
 Acq: 28 Apr 2016 10:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.0	43.6
170	23.8	19.8	29.8

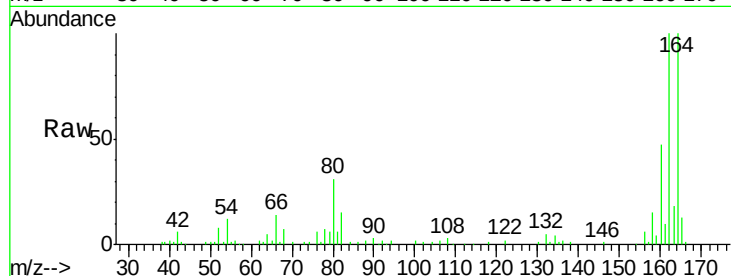




#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.19 min
 Lab File: BF086464.D
 Acq: 28 Apr 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 NB2-PRE-B10DL

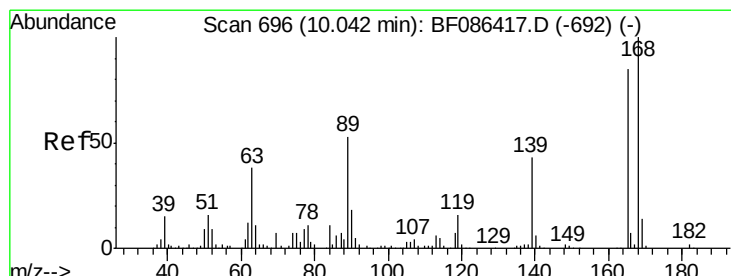
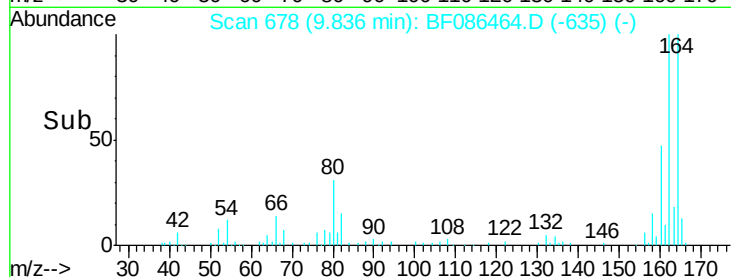
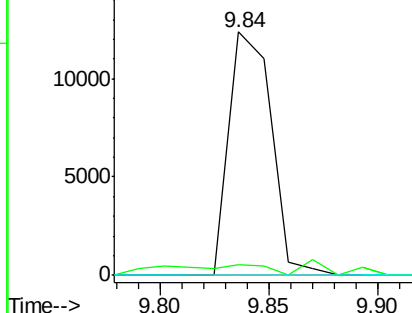
Tot Ion	Ratio	Lower	Upper
165	100		
63	4.4	51.8	77.8#
89	0.0	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

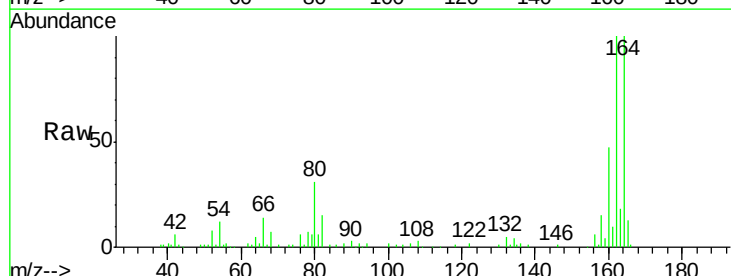
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF086464.D
 Acq: 28 Apr 2016 10:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.4	44.3	66.5#
89	0.0	70.0	105.0#
182	0.0	1.8	2.6#

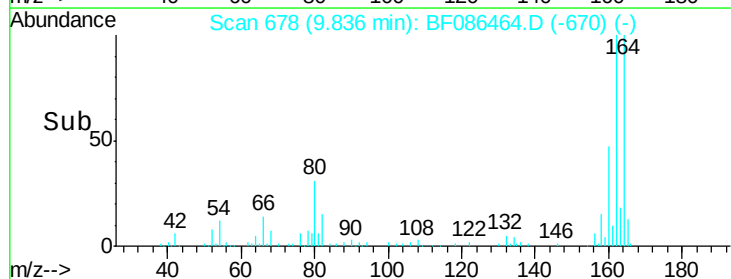
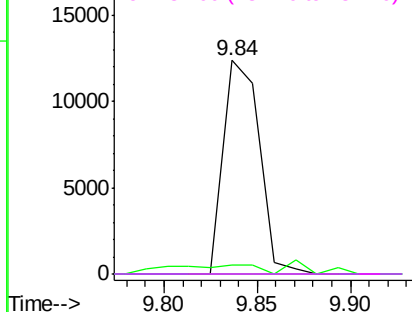


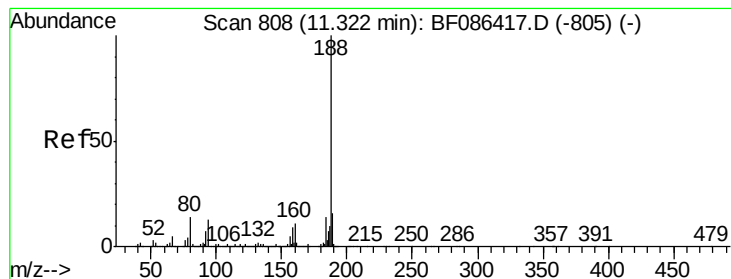
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10DL

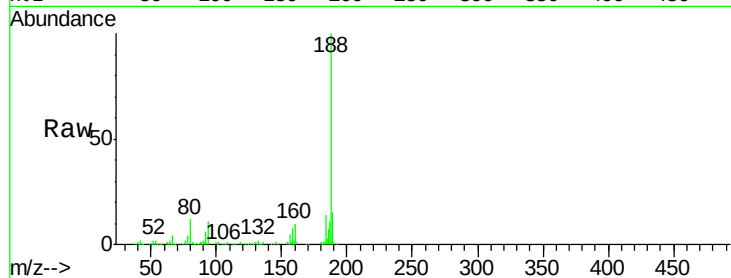
Tot Ion:188 Resp: 236150

Ion Ratio Lower Upper

188 100

94 11.1 6.8 10.2#

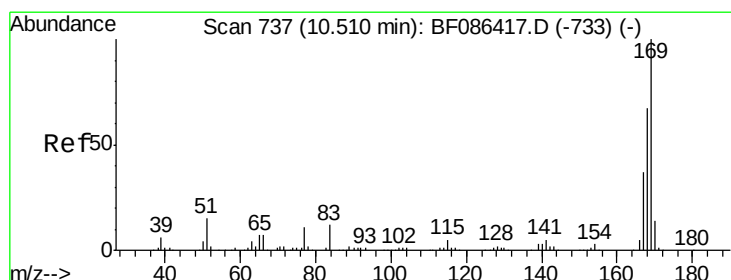
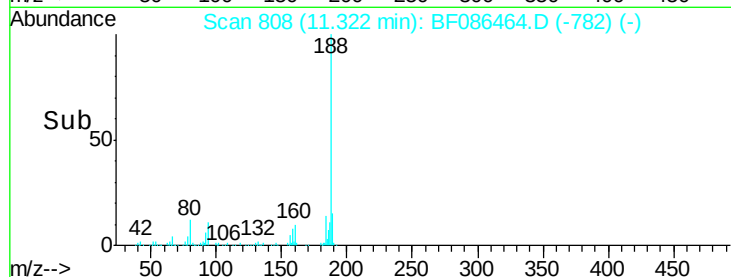
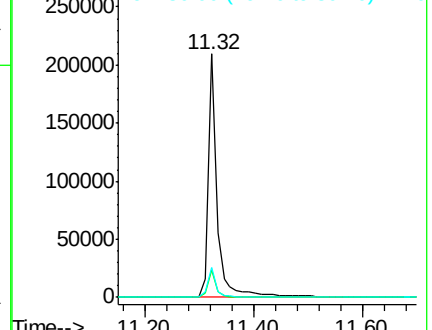
80 12.0 7.1 10.7#



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



#65

n-Nitrosodiphenylamine

Concen: 19.85 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

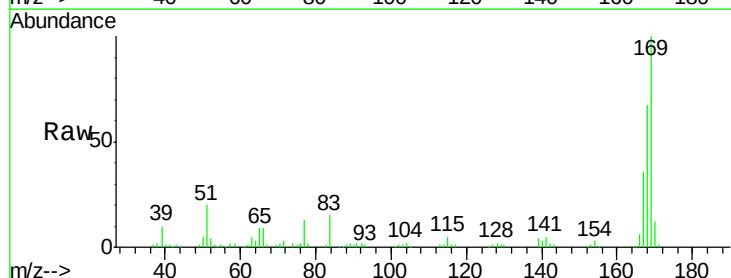
Tgt Ion:169 Resp: 146470

Ion Ratio Lower Upper

169 100

168 66.6 53.8 80.6

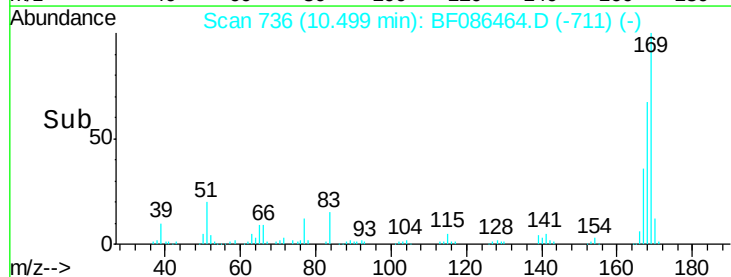
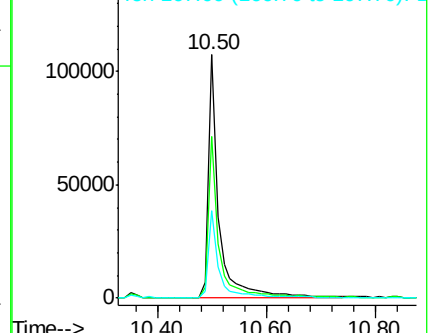
167 35.9 29.5 44.3

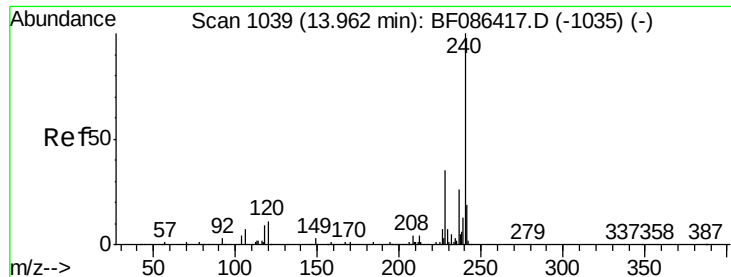


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

Instrument :

BNA_F

ClientSampleId :

NB2-PRE-B10DL

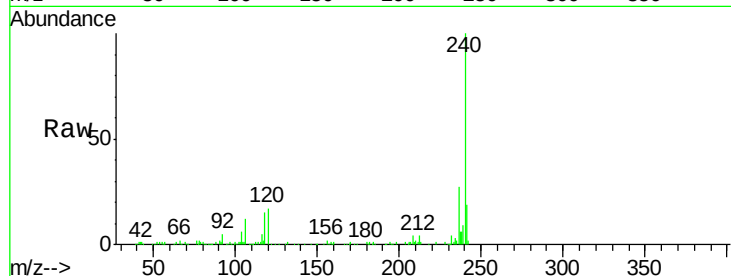
Tot Ion:240 Resp: 253893

Ion Ratio Lower Upper

240 100

120 16.7 11.2 16.8

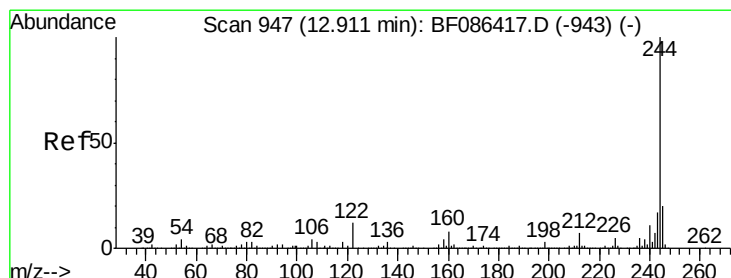
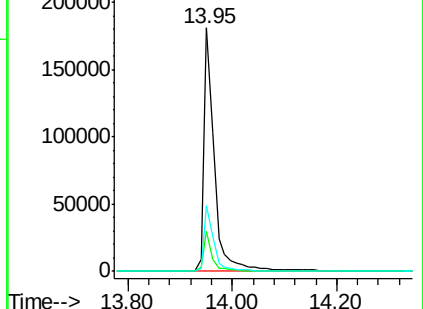
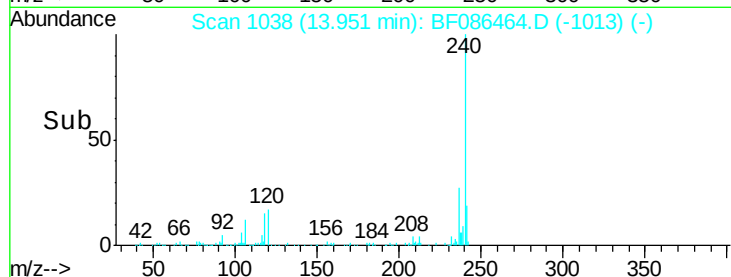
236 26.8 21.2 31.8



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: 3.63 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086464.D

Acq: 28 Apr 2016 10:26

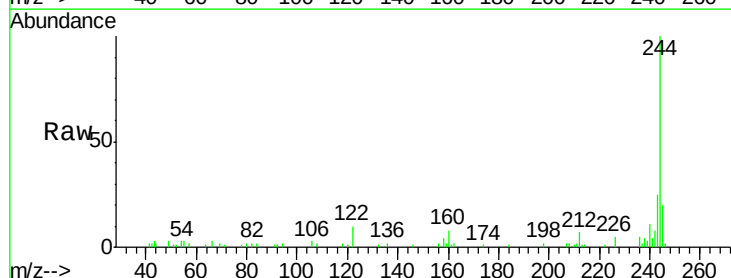
Tgt Ion:244 Resp: 41842

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

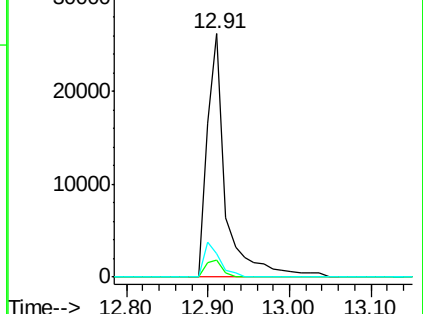
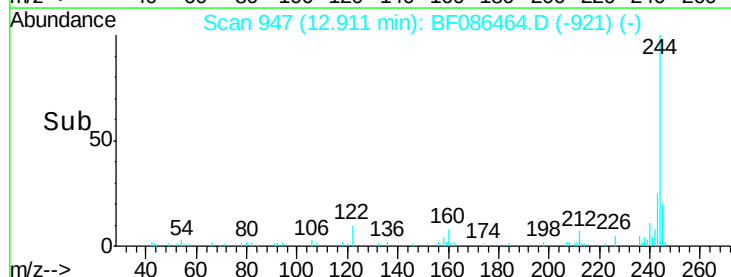
122 9.8 12.0 18.0#

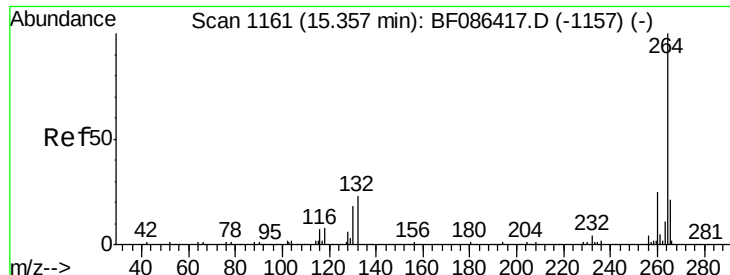


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

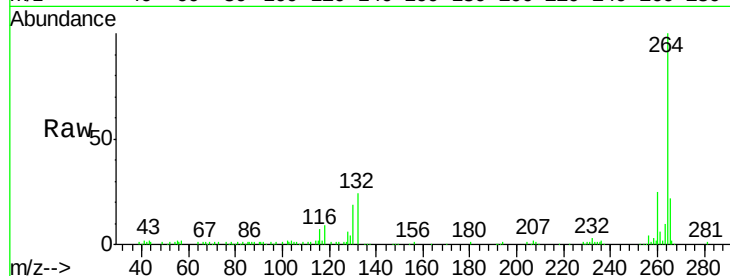




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF086464.D
Acq: 28 Apr 2016 10:26

Instrument :
BNA_F
ClientSampleId :
NB2-PRE-B10DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.1	17.3	25.9



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

