

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089454.D
 Acq On : 30 Jul 2016 15:44
 Operator : UM/SJ
 Sample : H4284-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:09:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

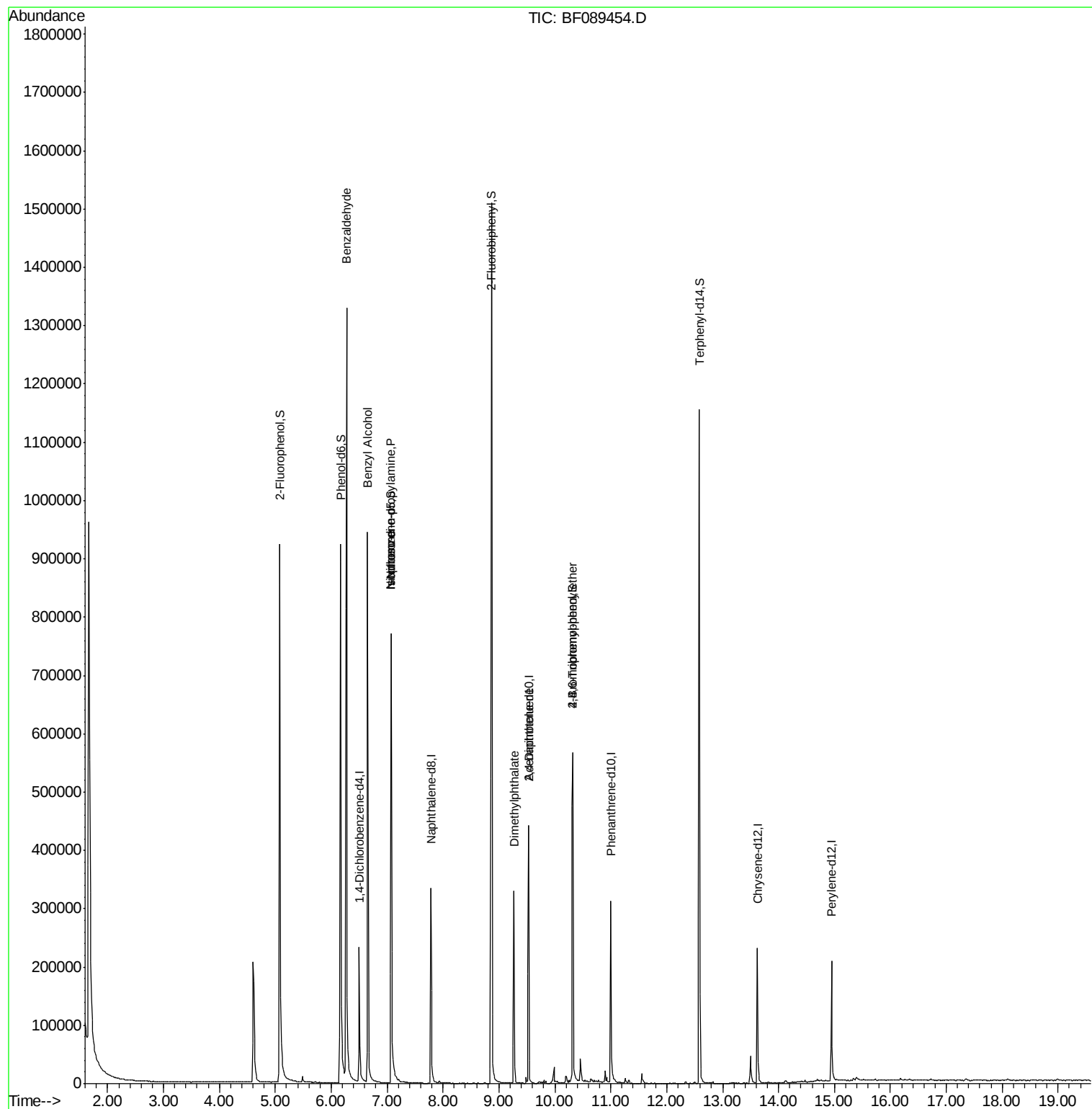
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	47283	20.00	ng	-0.05
21) Naphthalene-d8	7.78	136	204863	20.00	ng	-0.05
38) Acenaphthene-d10	9.53	164	101771	20.00	ng	-0.05
63) Phenanthrene-d10	11.00	188	189119	20.00	ng	-0.05
75) Chrysene-d12	13.62	240	130964	20.00	ng	-0.05
86) Perylene-d12	14.95	264	88387	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	448390	151.42	ng	-0.02
7) Phenol-d6	6.17	99	586945	149.98	ng	-0.03
23) Nitrobenzene-d5	7.07	82	352646	101.61	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	92001	109.15	ng	-0.05
44) 2-Fluorobiphenyl	8.87	172	537148	77.46	ng	-0.05
78) Terphenyl-d14	12.58	244	360856	64.49	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	11246	5.89	ng	85
15) Benzyl Alcohol	6.65	79	5101	2.10	ng	# 50
19) n-Nitroso-di-n-propylamine	7.07	70	46162	19.56	ng	# 81
25) Isophorone	7.07	82	305081	43.64	ng	# 67
49) Dimethylphthalate	9.27	163	141234	18.23	ng	100
56) 2,4-Dinitrotoluene	9.53	165	12425	5.93	ng	# 7
66) 4-Bromophenyl-phenylether	10.32	248	6530	3.62	ng	# 1

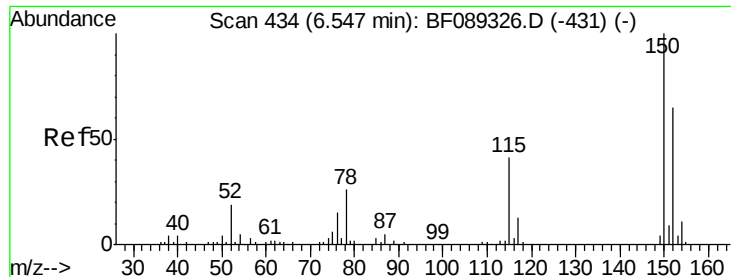
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

Instrument :

BNA_F

ClientSampleId :

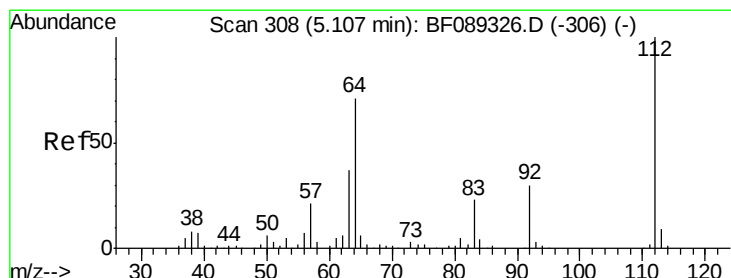
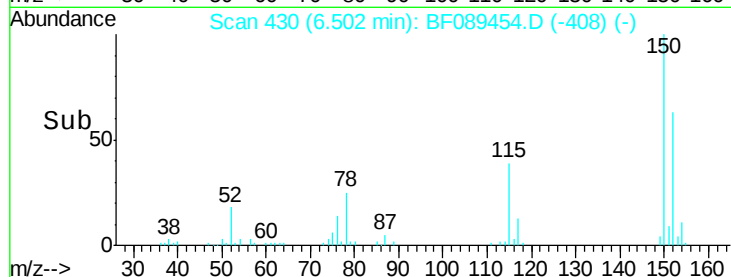
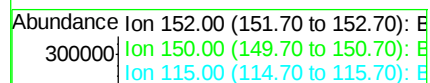
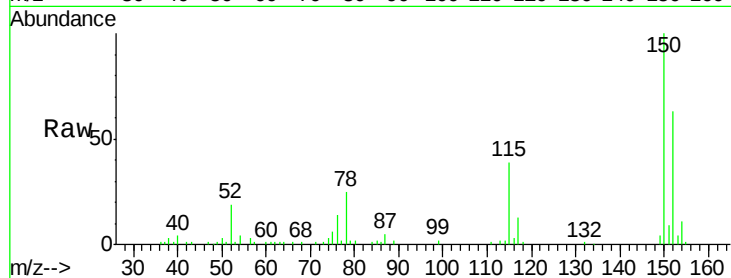
Tot Ion:152 Resp: 47283

Ion Ratio Lower Upper

152 100

150 157.7 129.5 194.3

115 62.2 51.4 77.2



#5

2-Fluorophenol

Concen: 151.42 ng

RT: 5.08 min Scan# 306

Delta R.T. -0.02 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

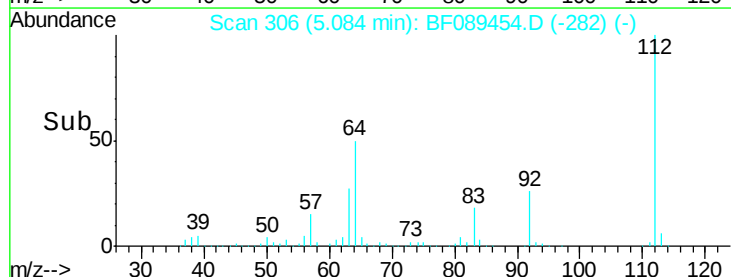
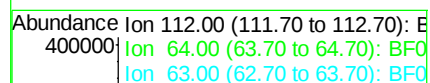
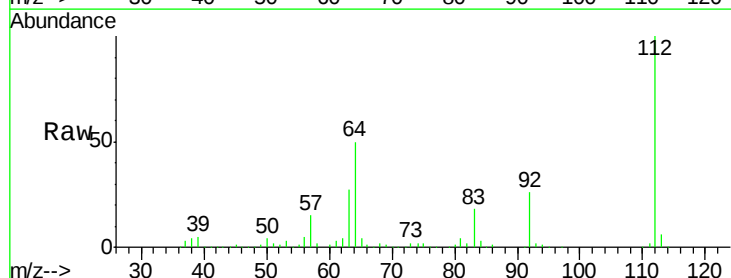
Tgt Ion:112 Resp: 448390

Ion Ratio Lower Upper

112 100

64 50.3 55.0 82.6#

63 26.6 29.4 44.2#





#7

Phenol-d6

Concen: 149.98 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.03 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

Instrument :

BNA_F

ClientSampled :

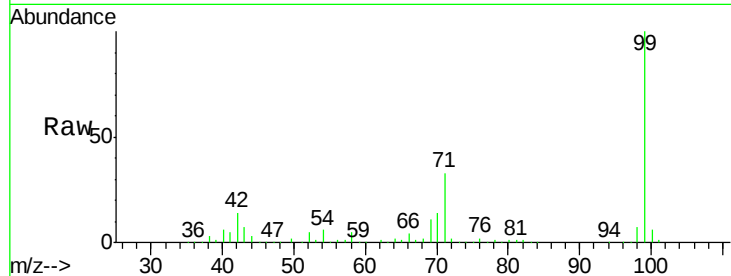
Tot Ion: 99 Resp: 586945

Ion Ratio Lower Upper

99 100

42 13.8 13.6 20.4

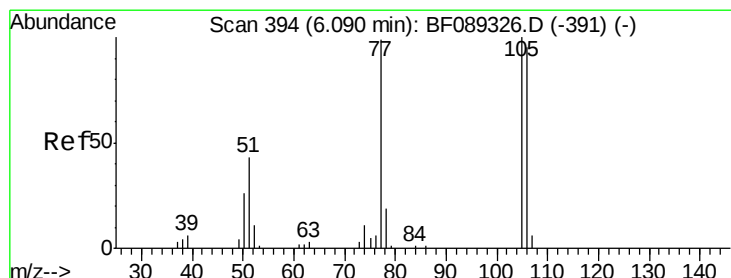
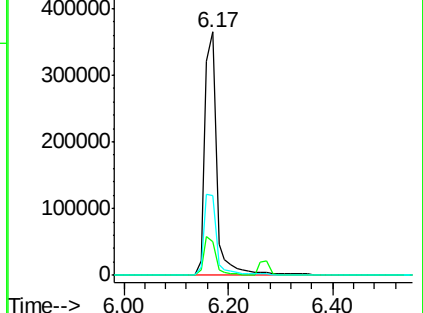
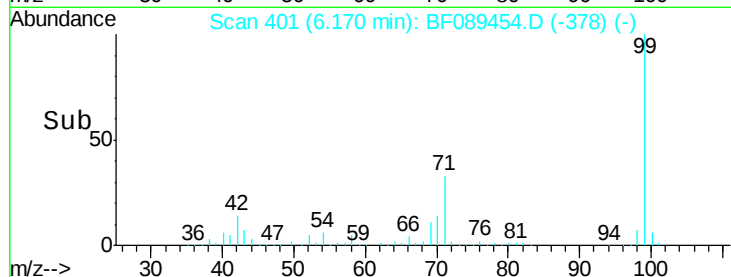
71 32.9 29.4 44.2



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: 5.89 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.18 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

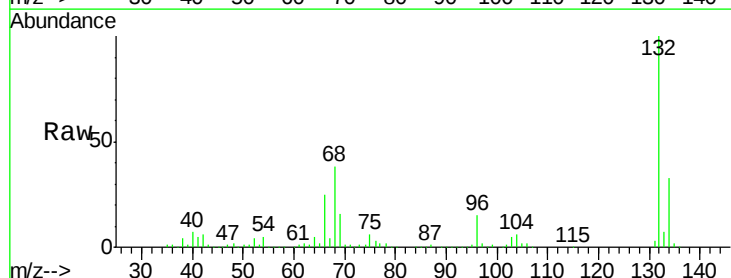
Tgt Ion: 77 Resp: 11246

Ion Ratio Lower Upper

77 100

105 87.9 82.9 122.9

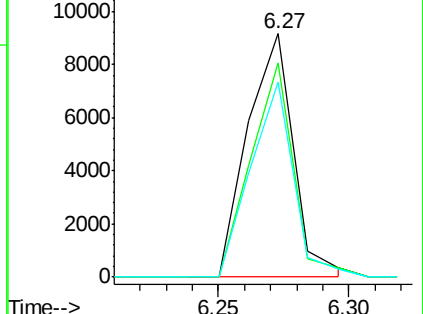
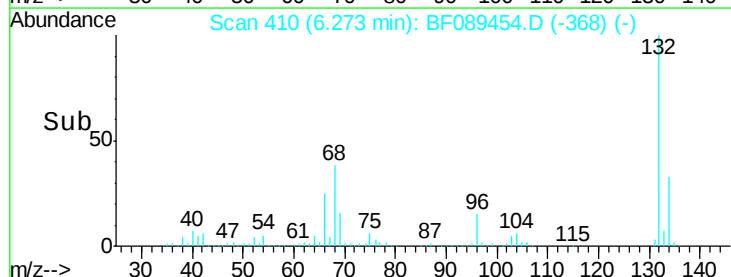
106 80.2 75.9 115.9

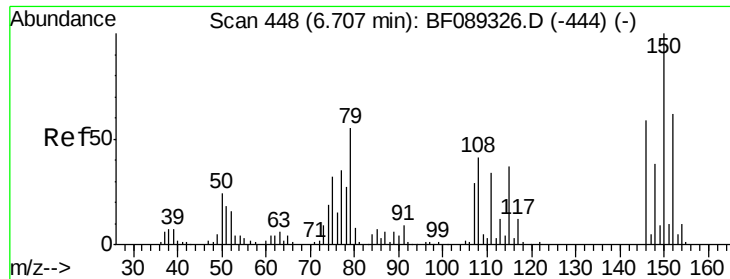


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

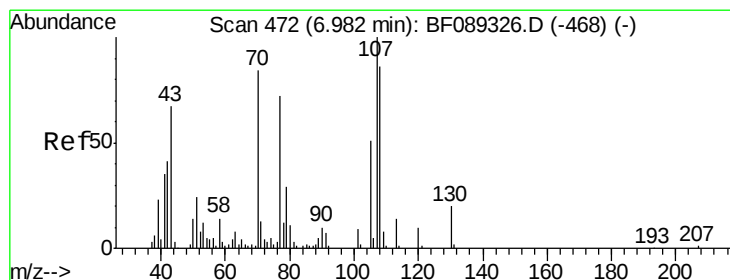
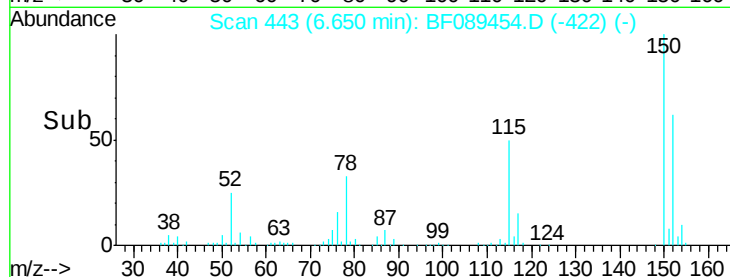
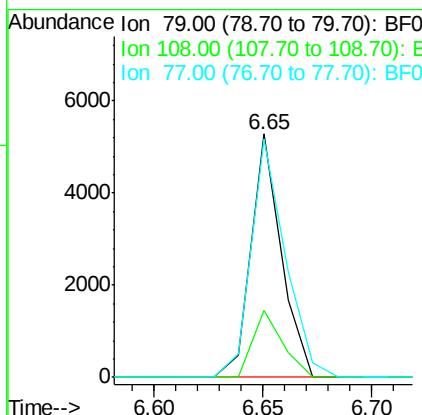
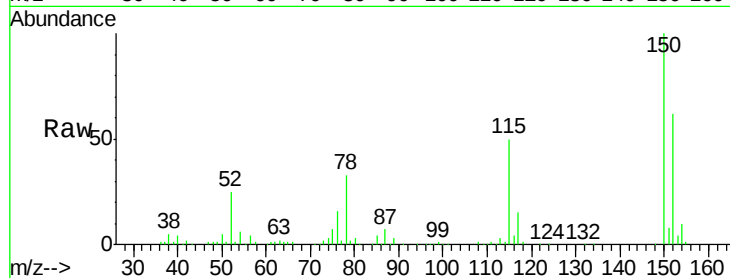




#15
Benzyl Alcohol
Concen: 2.10 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

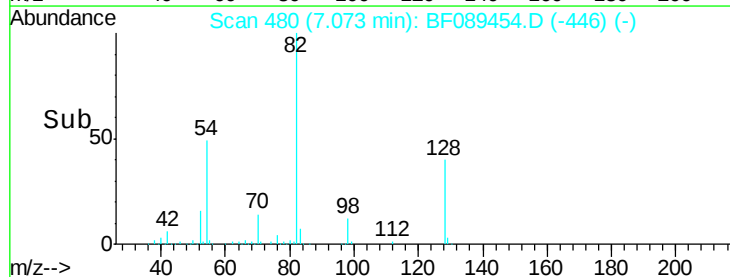
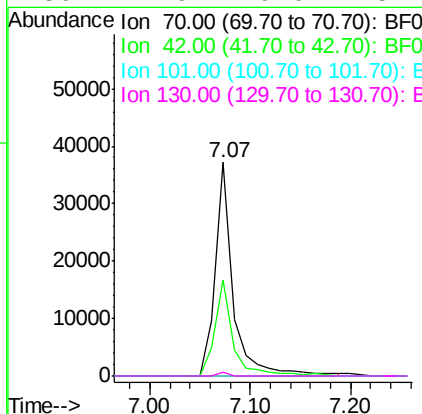
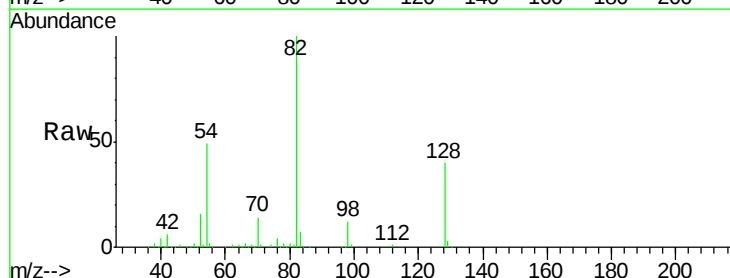
Instrument :
BNA_F
ClientSampleId :

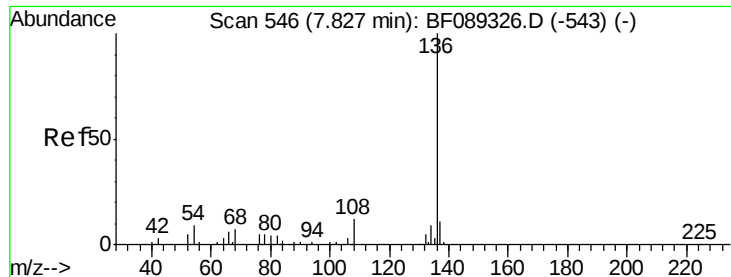
Tot Ion: 79 Resp: 5101
Ion Ratio Lower Upper
79 100
108 27.3 59.8 89.6#
77 98.2 51.7 77.5#



#19
n-Nitroso-di-n-propylamine
Concen: 19.56 ng
RT: 7.07 min Scan# 480
Delta R.T. 0.09 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

Tgt Ion: 70 Resp: 46162
Ion Ratio Lower Upper
70 100
42 45.2 38.6 57.8
101 0.0 8.3 12.5#
130 1.9 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 204863

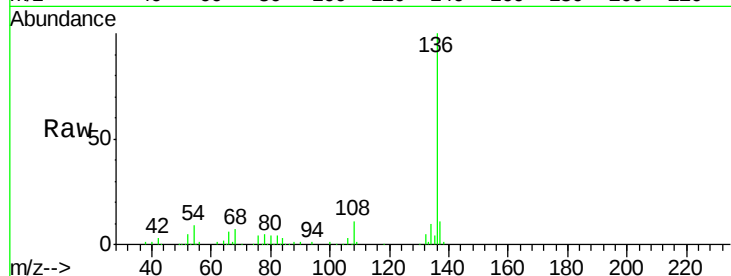
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.9 7.0 10.4

68 6.8 4.9 7.3

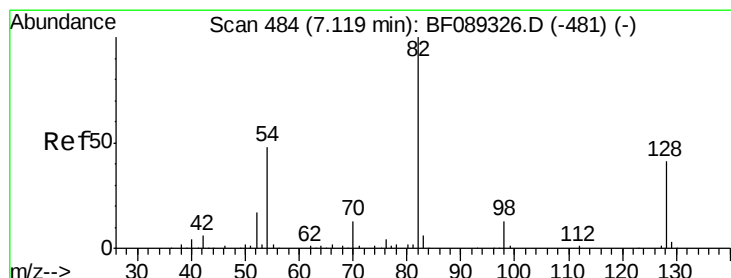
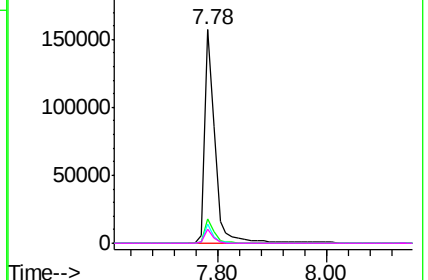
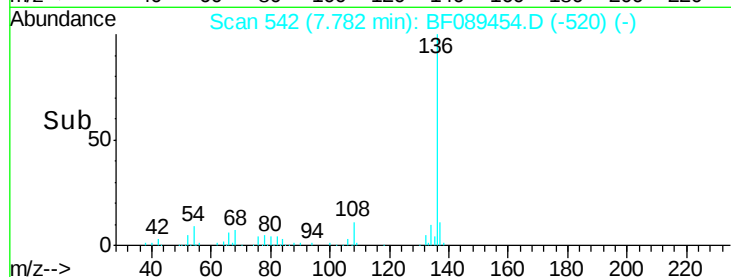


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.61 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

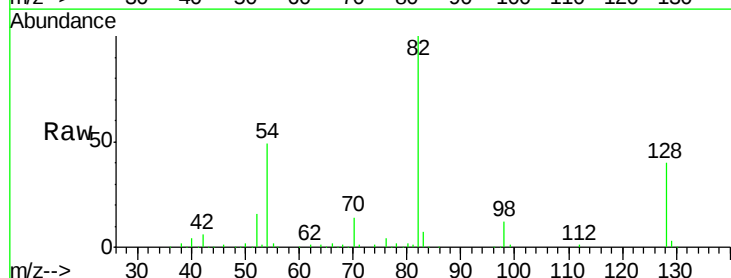
Tgt Ion: 82 Resp: 352646

Ion Ratio Lower Upper

82 100

128 40.0 32.5 48.7

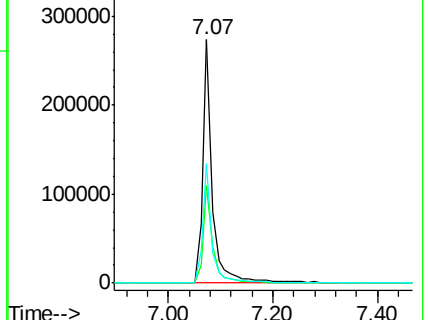
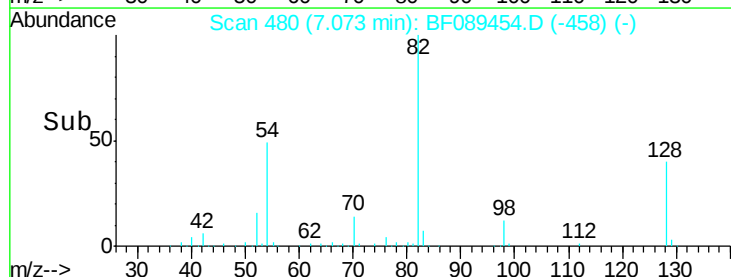
54 48.9 38.8 58.2

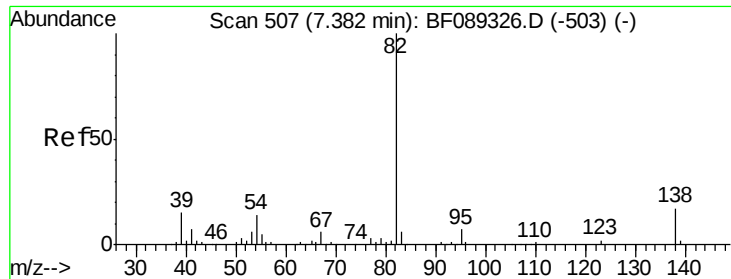


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.64 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.31 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

Instrument :

BNA_F

ClientSampleId :

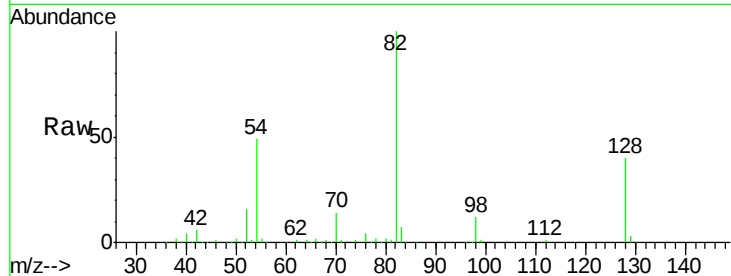
Tot Ion: 82 Resp: 305081

Ion Ratio Lower Upper

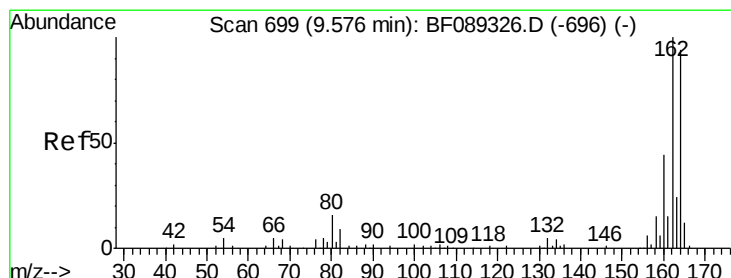
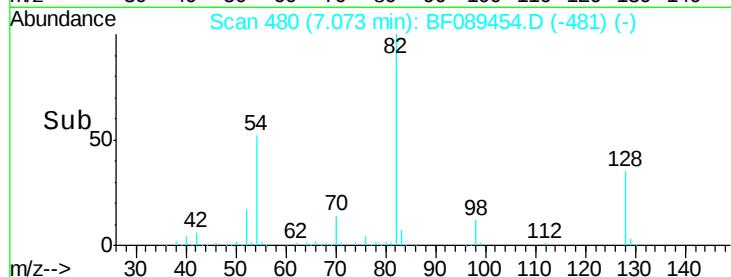
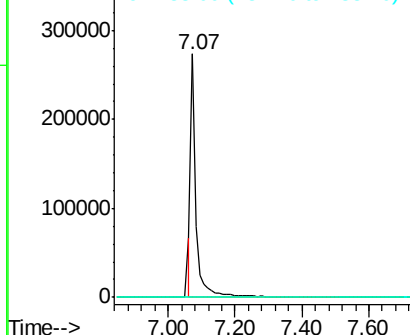
82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

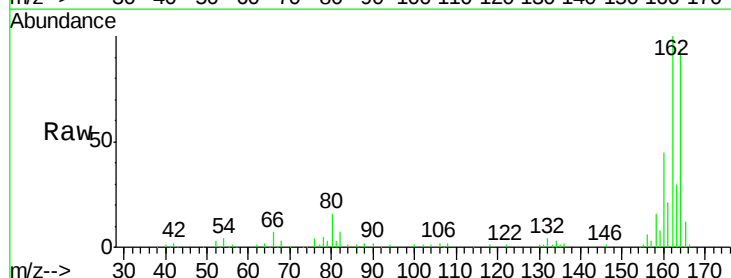
Tgt Ion:164 Resp: 101771

Ion Ratio Lower Upper

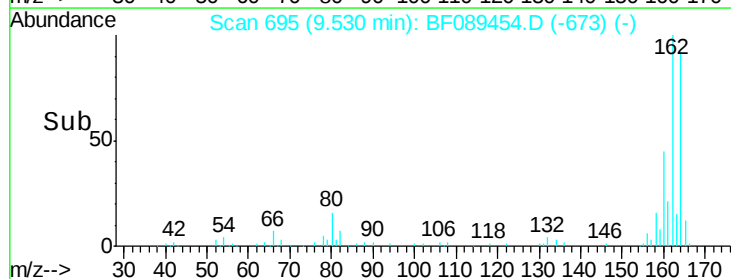
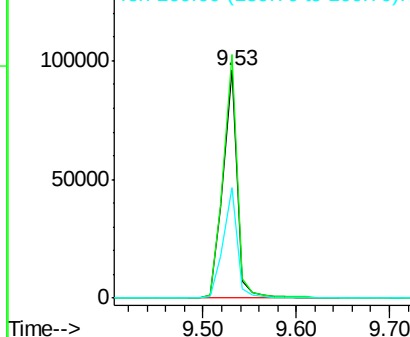
164 100

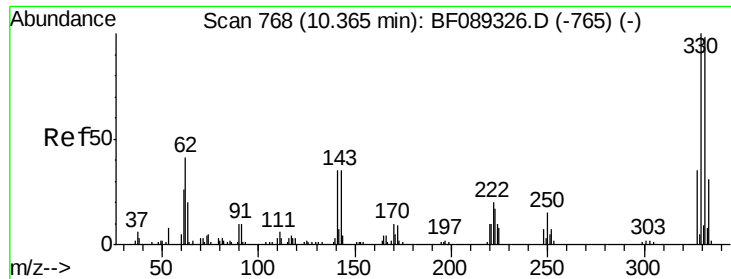
162 106.9 83.7 125.5

160 48.5 37.8 56.6



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

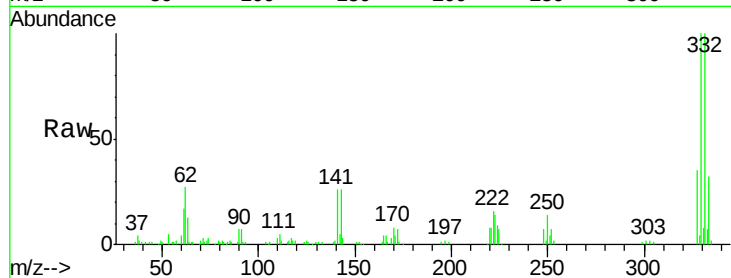




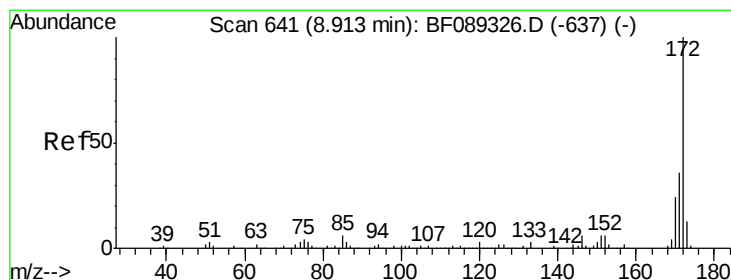
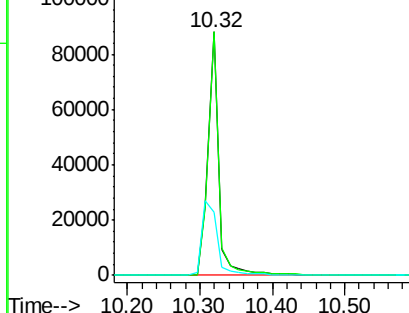
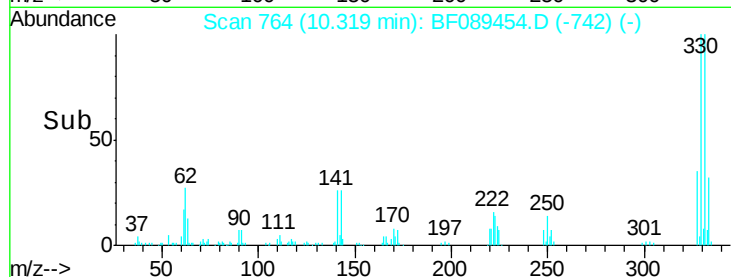
#41
 2,4,6-Tribromophenol
 Concen: 109.15 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF089454.D
 Acq: 30 Jul 2016 15:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.8	115.2
141	43.2	37.3	55.9

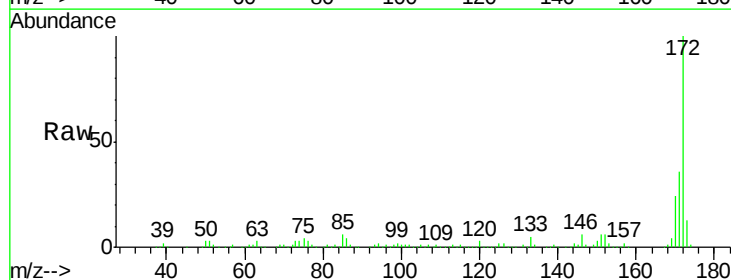


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

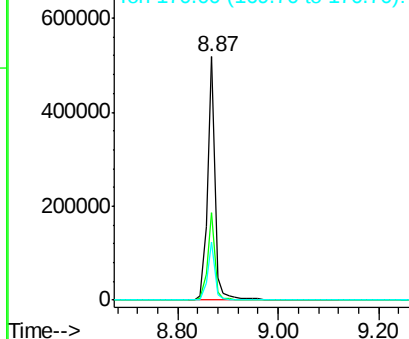
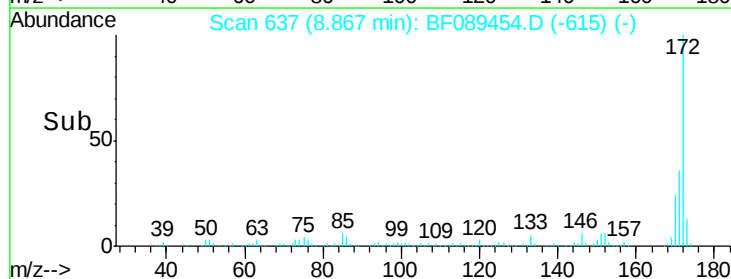


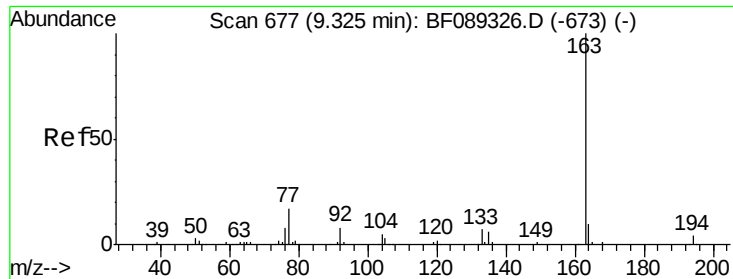
#44
 2-Fluorobiphenyl
 Concen: 77.46 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.05 min
 Lab File: BF089454.D
 Acq: 30 Jul 2016 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.8	19.2	28.8



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

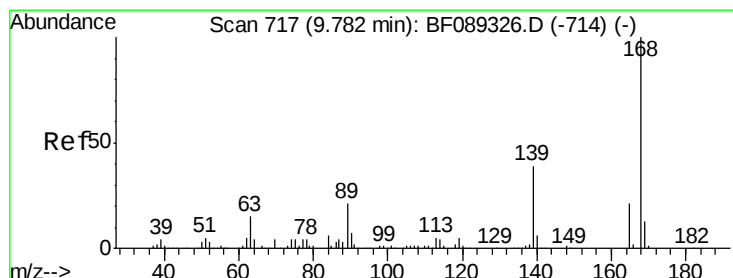
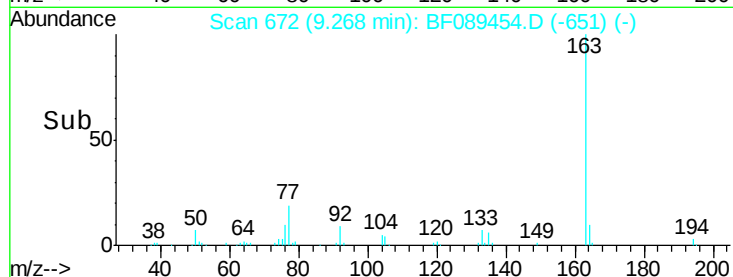
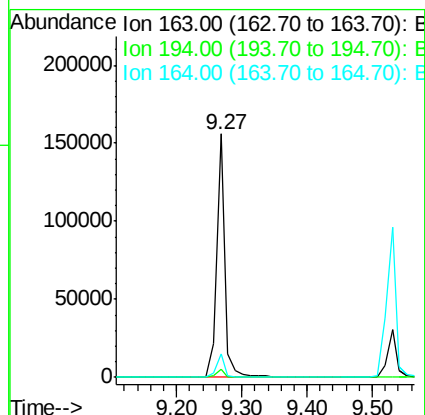
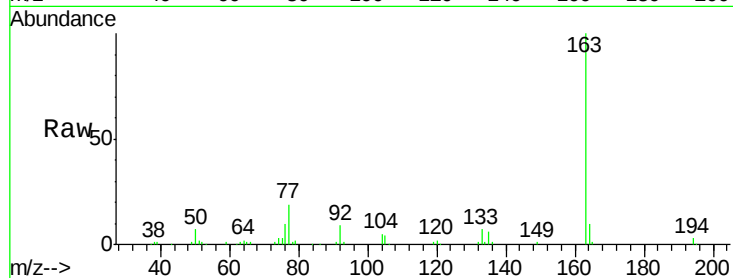




#49
Dimethylphthalate
Concen: 18.23 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.06 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

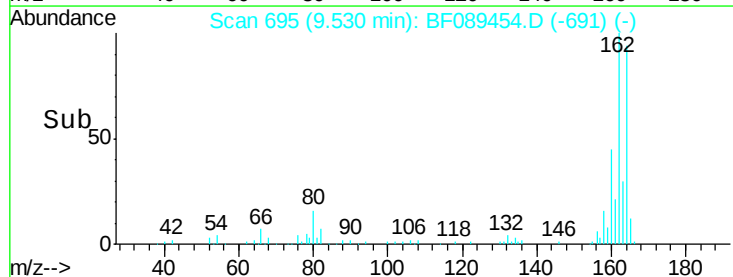
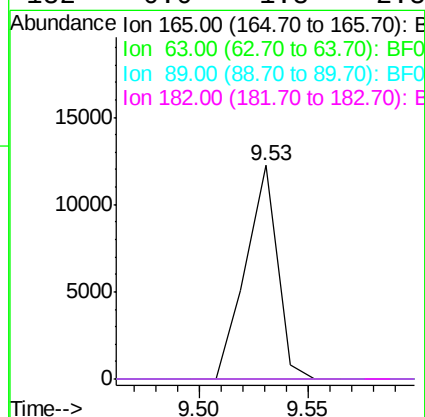
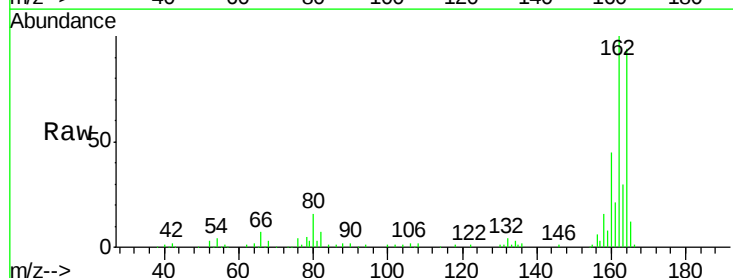
Instrument :
BNA_F
ClientSampled :

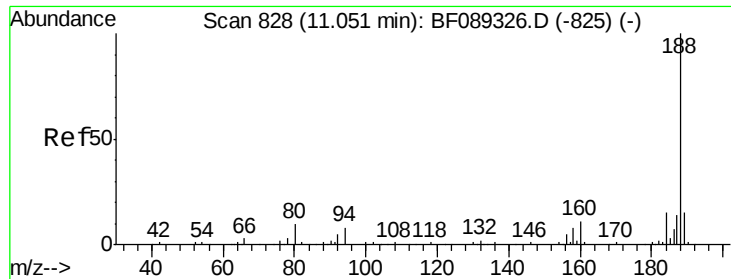
Tot Ion:163 Resp: 141234
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.8 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.25 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

Tgt Ion:165 Resp: 12425
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

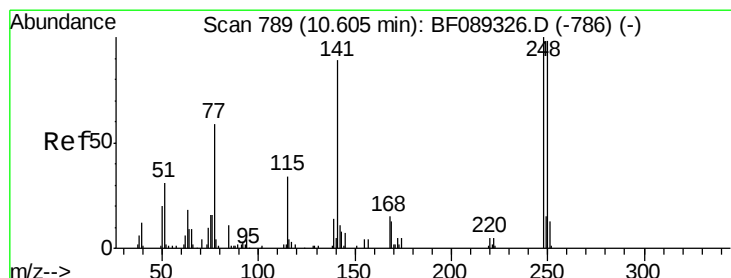
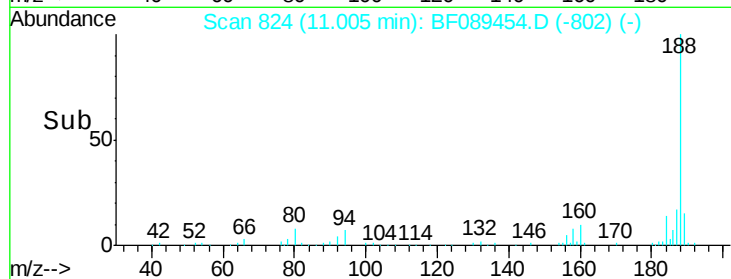
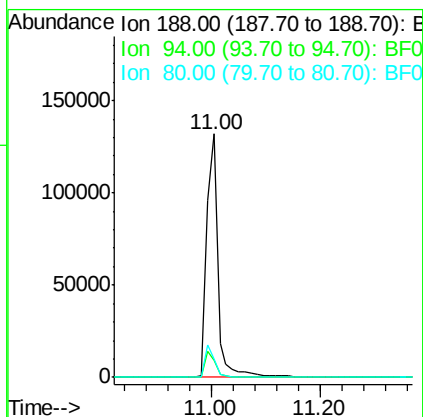
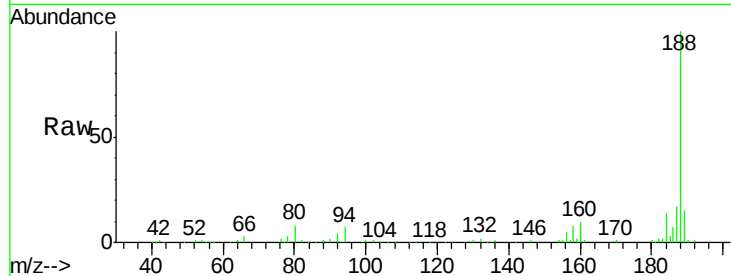




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.05 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

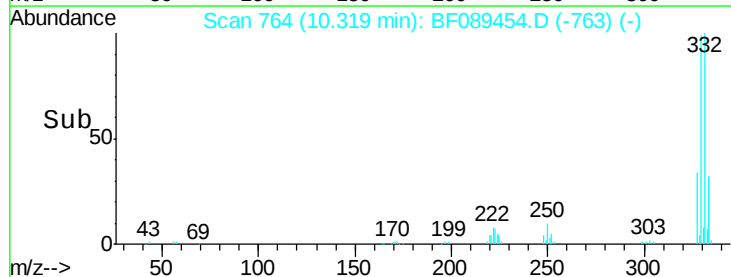
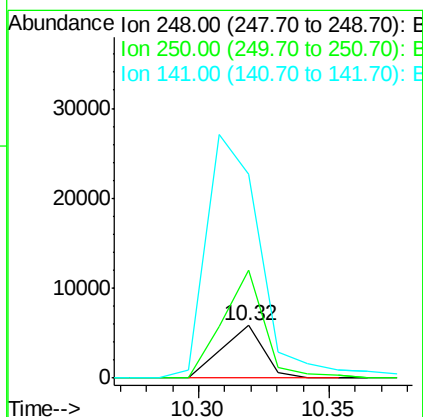
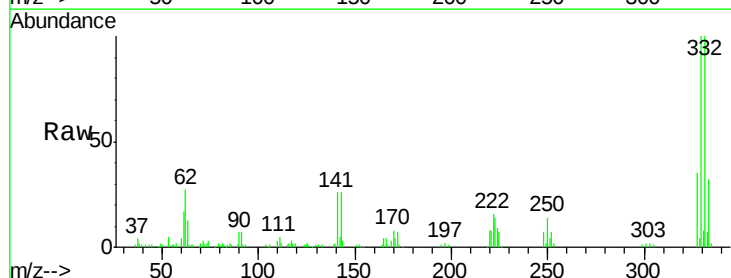
Instrument :
BNA_F
ClientSampleId :

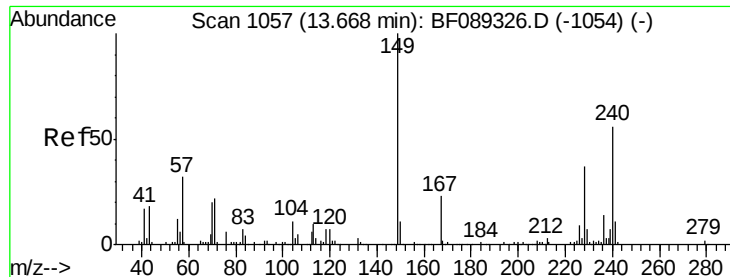
Tot Ion:188 Resp: 189119
Ion Ratio Lower Upper
188 100
94 7.0 6.5 9.7
80 7.7 7.2 10.8



#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.29 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

Tgt Ion:248 Resp: 6530
Ion Ratio Lower Upper
248 100
250 204.8 78.2 117.2#
141 388.5 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

Instrument :

BNA_F

ClientSampleId :

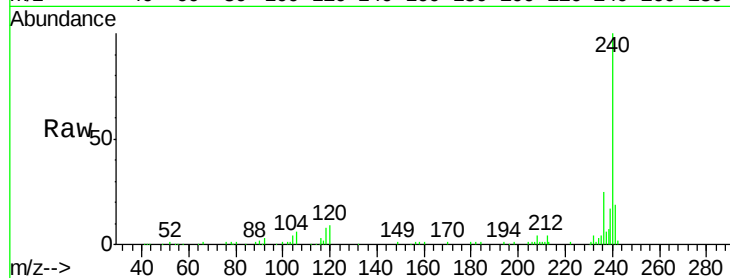
Tot Ion:240 Resp: 130964

Ion Ratio Lower Upper

240 100

120 9.0 9.1 13.7#

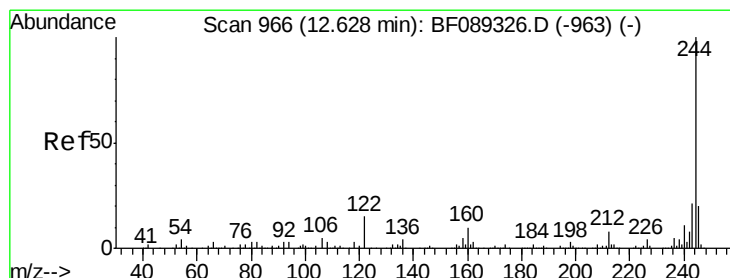
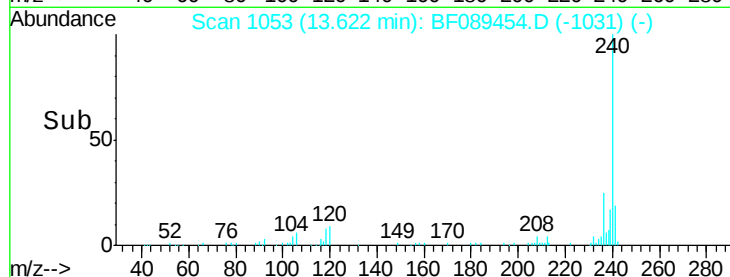
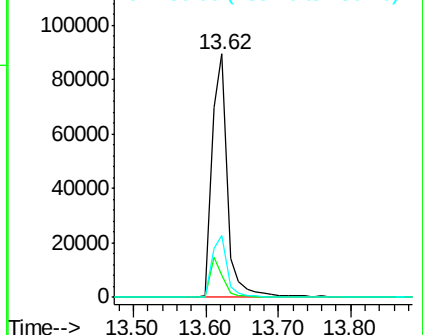
236 25.4 20.6 30.8



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: 64.49 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF089454.D

Acq: 30 Jul 2016 15:44

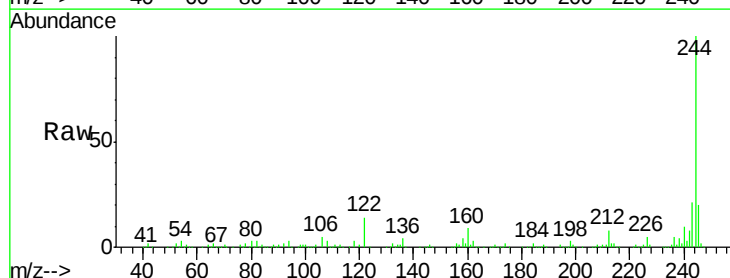
Tgt Ion:244 Resp: 360856

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

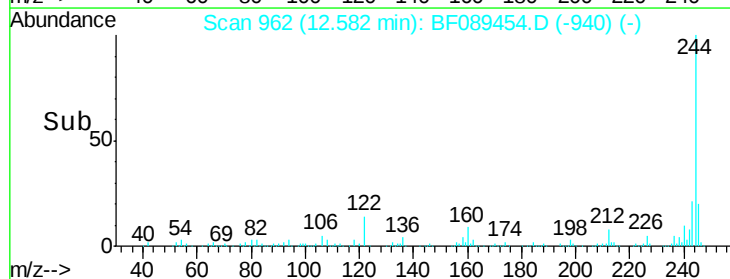
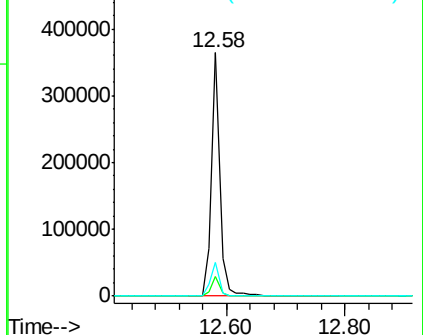
122 14.0 11.4 17.0

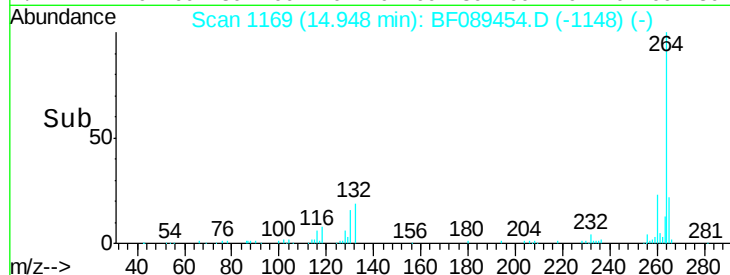
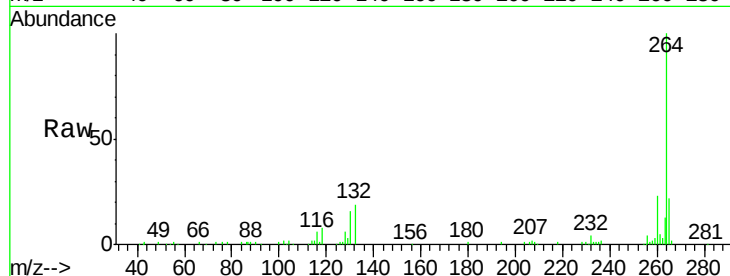
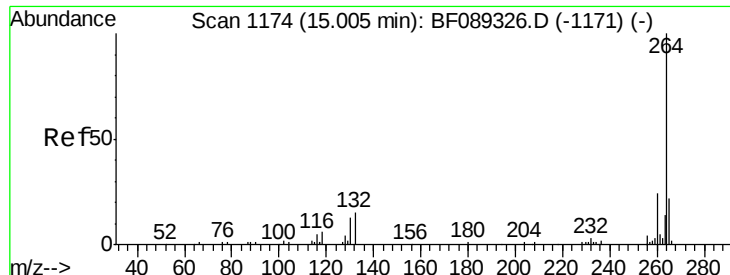


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089454.D
Acq: 30 Jul 2016 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	88387
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.5	17.5	26.3

