

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084418.D
 Acq On : 12 Jan 2016 19:01
 Operator : SJ/UM
 Sample : H1078-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P0-002

Quant Time: Jan 13 00:35:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

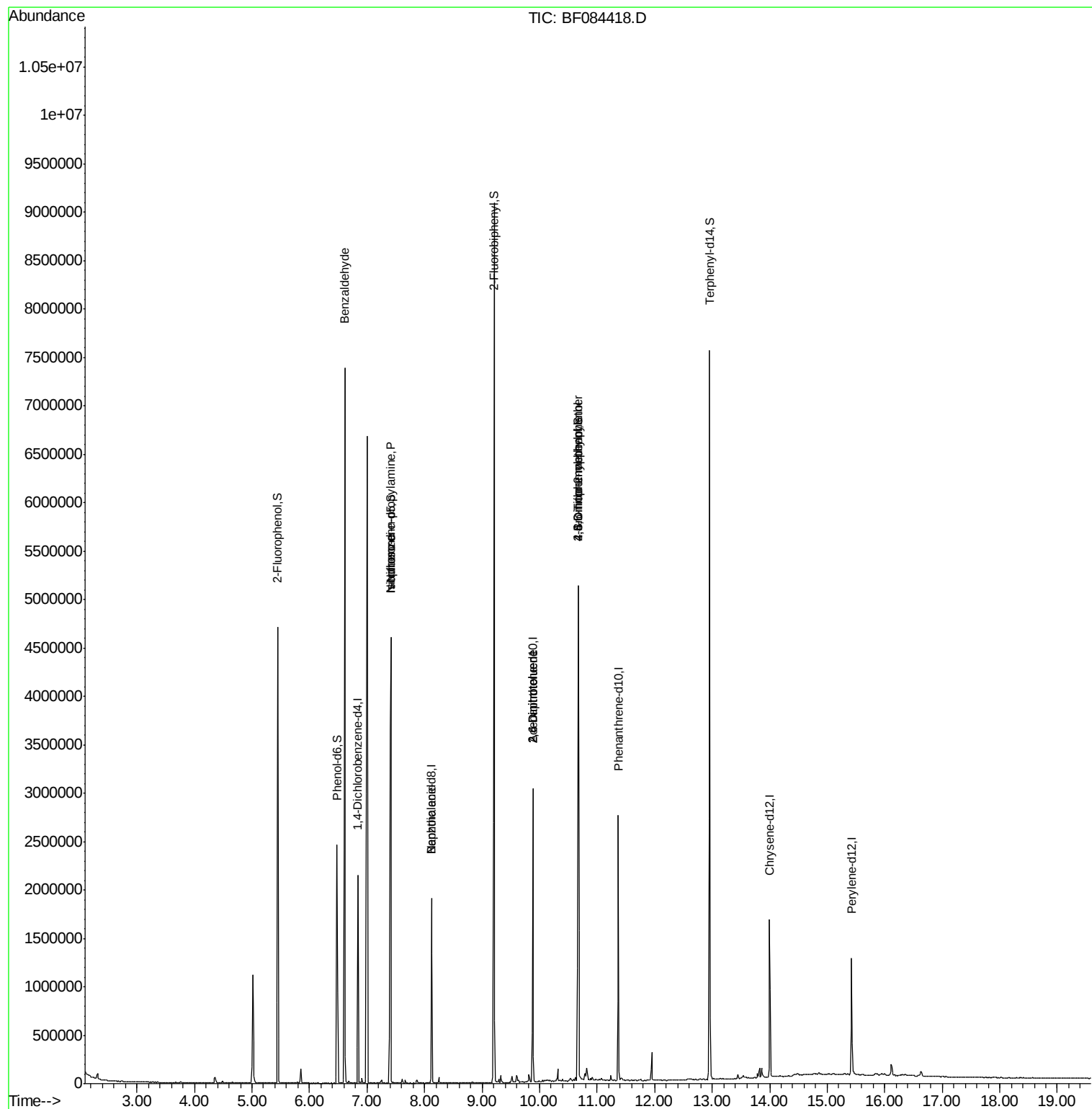
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	291335	20.00	ng	-0.06
21) Naphthalene-d8	8.12	136	1130495	20.00	ng	-0.07
38) Acenaphthene-d10	9.88	164	546370	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	978868	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	656110	20.00	ng	-0.07
86) Perylene-d12	15.43	264	526209	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1158301	64.31	ng	-0.04
7) Phenol-d6	6.48	99	884514	39.10	ng	-0.06
23) Nitrobenzene-d5	7.41	82	2030554	99.97	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	687800	124.69	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2647903	85.28	ng	-0.06
78) Terphenyl-d14	12.96	244	2354050	80.09	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.61	77	47090	3.20	ng	# 76
19) n-Nitroso-di-n-propylamine	7.41	70	277244	18.10	ng	# 77
25) Isophorone	7.41	82	1919092	49.40	ng	# 66
32) Benzoic acid	8.12	122	219	6.26	ng	# 1
50) 2,6-Dinitrotoluene	9.88	165	69158	8.07	ng	# 37
54) Dibenzofuran	10.09	168	605	Below Cal	#	55
56) 2,4-Dinitrotoluene	9.88	165	69161	6.38	ng	# 21
57) Fluorene	10.67	166	27657	Below Cal	#	78
64) 4,6-Dinitro-2-methylphenol	10.67	198	1477	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	40856	3.88	ng	# 1
73) Di-n-butylphthalate	11.94	149	6899	Below Cal	#	93

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

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

BNA_F

ClientSampleId :

P0-002

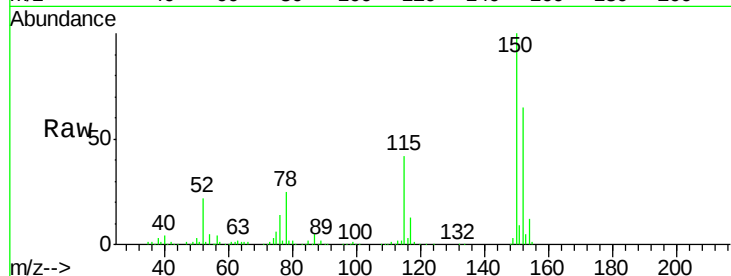
Tgt Ion:152 Resp: 291335

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

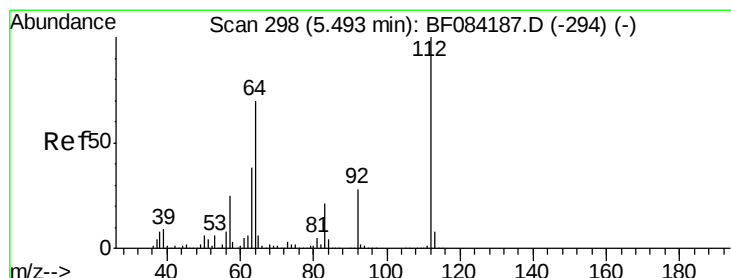
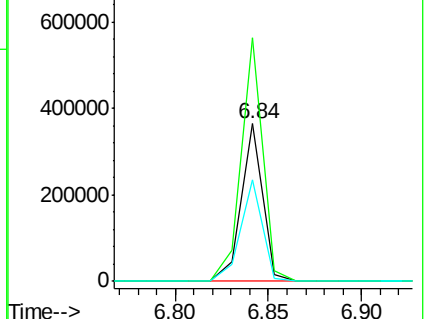
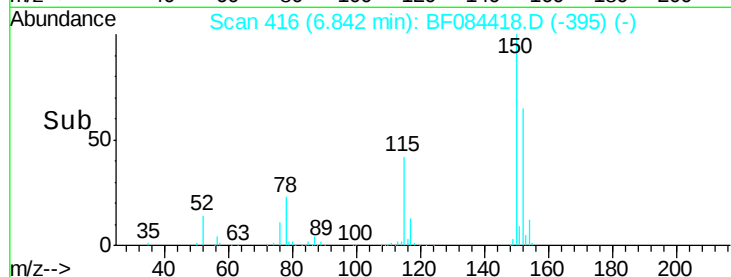
115 64.6 51.4 77.2



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: 64.31 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

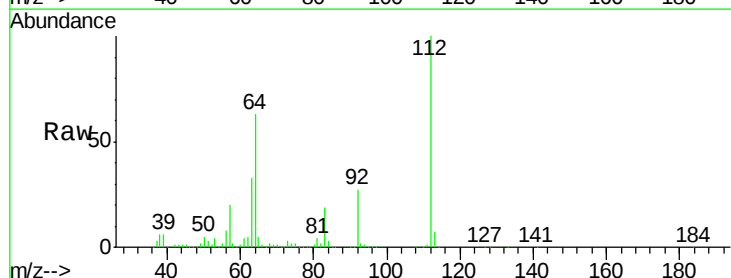
Tgt Ion:112 Resp: 1158301

Ion Ratio Lower Upper

112 100

64 63.0 36.6 55.0#

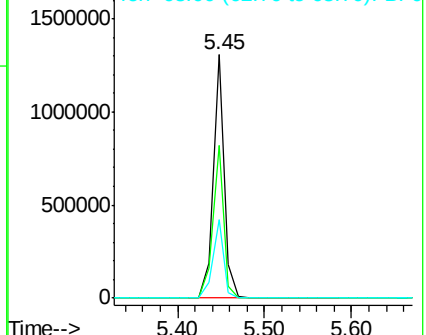
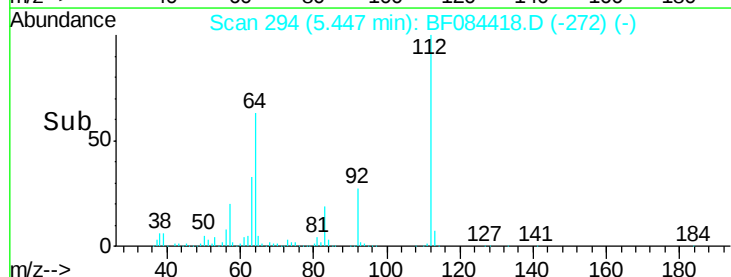
63 32.5 19.4 29.0#

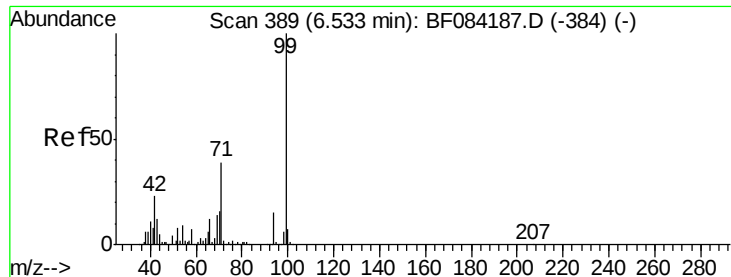


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.10 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

BNA_F

ClientSampleId :

P0-002

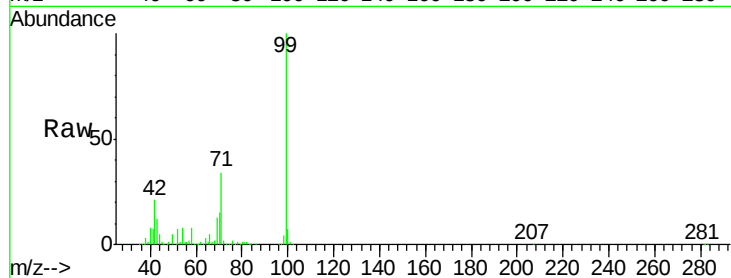
Tgt Ion: 99 Resp: 884514

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

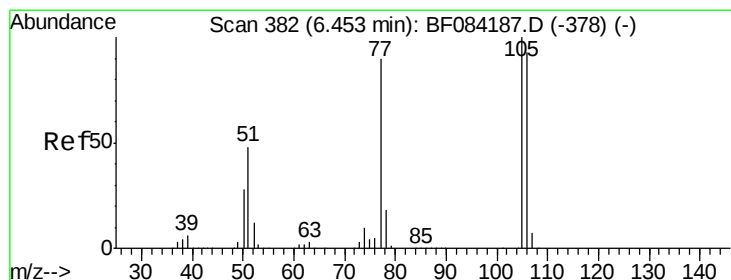
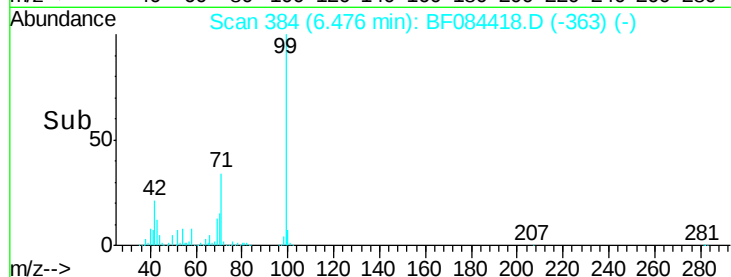
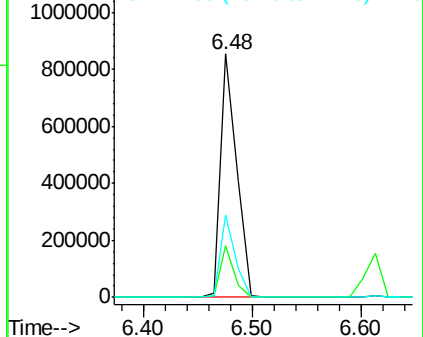
71 34.0 30.9 46.3



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: 3.20 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

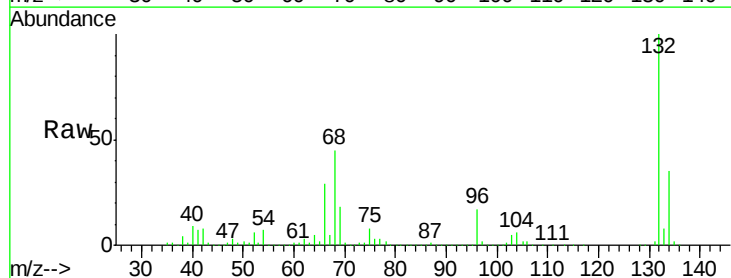
Tgt Ion: 77 Resp: 47090

Ion Ratio Lower Upper

77 100

105 78.3 83.0 123.0#

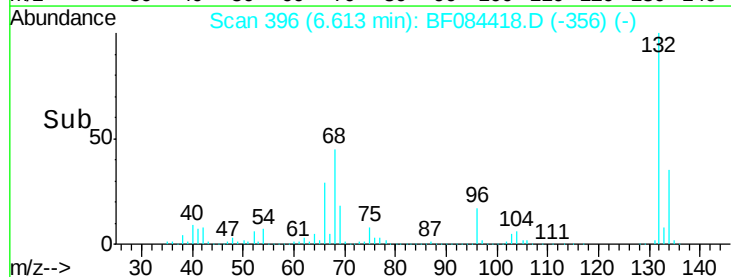
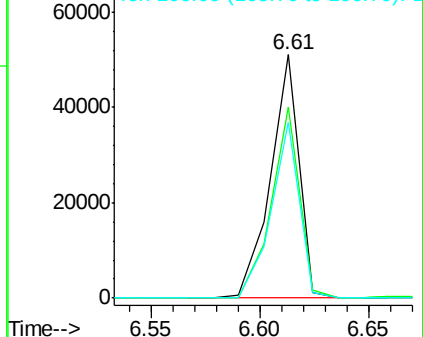
106 72.1 74.6 114.6#

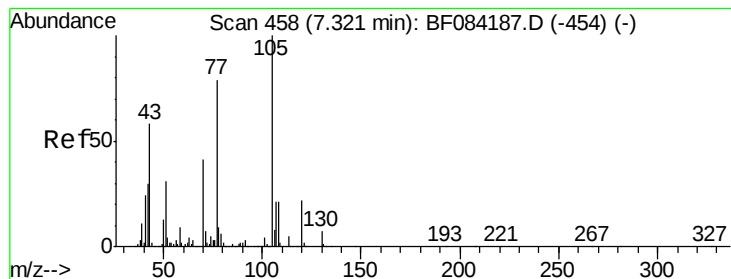


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 18.10 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.09 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

BNA_F

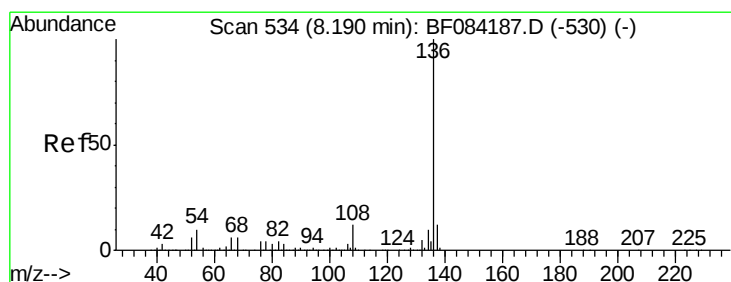
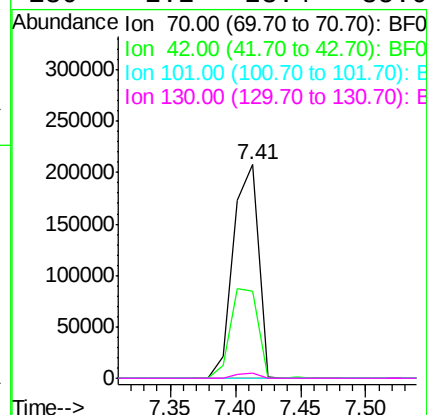
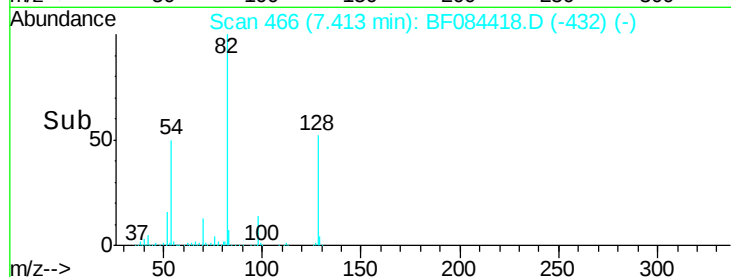
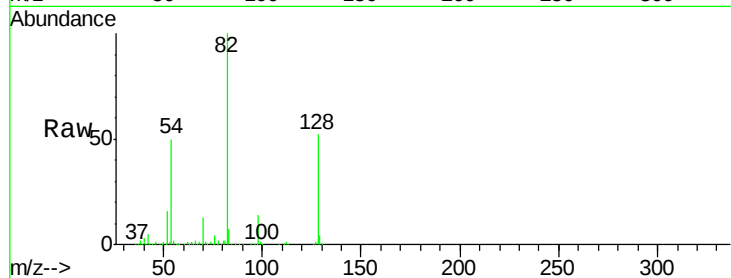
ClientSampleId :

P0-002

Tgt Ion: 70 Resp: 277244

Ion Ratio Lower Upper

70	100		
42	40.6	33.3	49.9
101	0.0	9.3	13.9#
130	2.2	23.4	35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

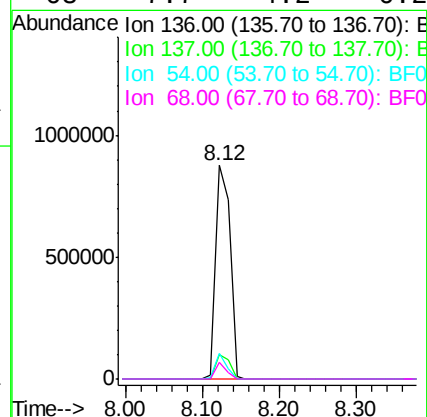
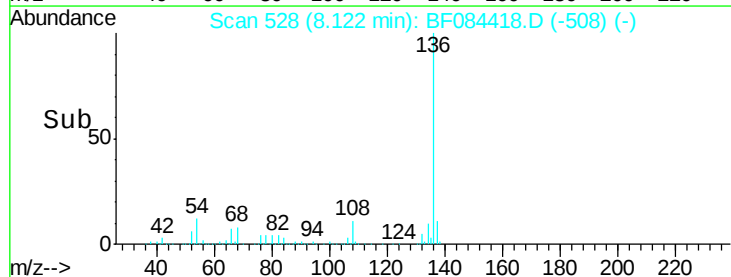
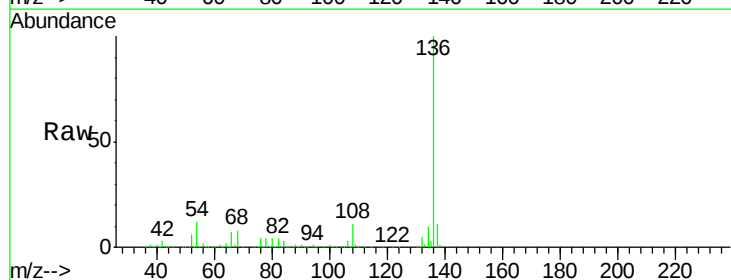
Lab File: BF084418.D

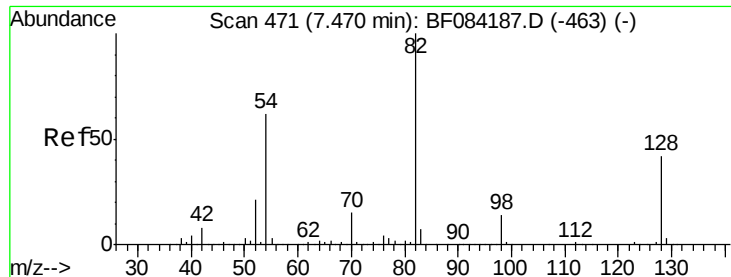
Acq: 12 Jan 2016 19:01

Tgt Ion: 136 Resp: 1130495

Ion Ratio Lower Upper

136	100		
137	11.5	8.7	13.1
54	12.0	5.8	8.8#
68	7.7	4.2	6.2#

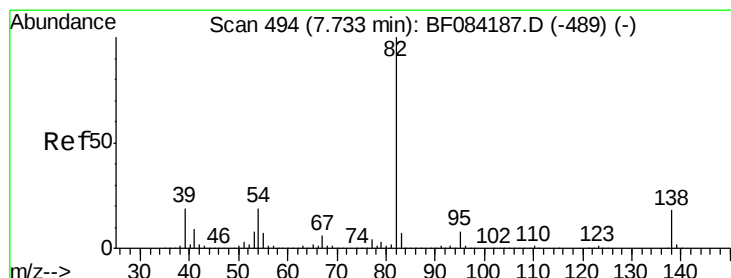
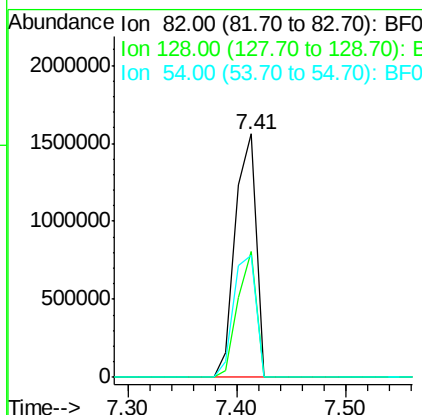
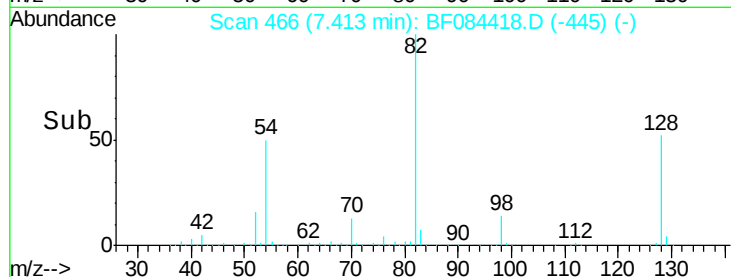
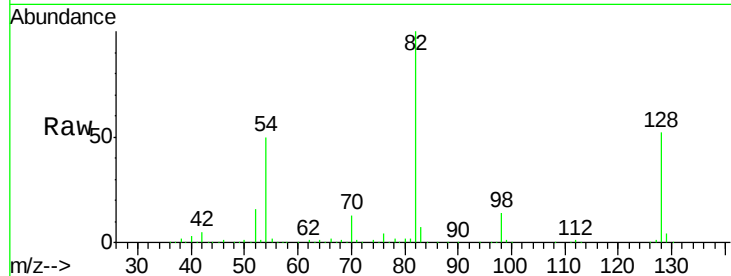




#23
Nitrobenzene-d5
Concen: 99.97 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084418.D
Acq: 12 Jan 2016 19:01

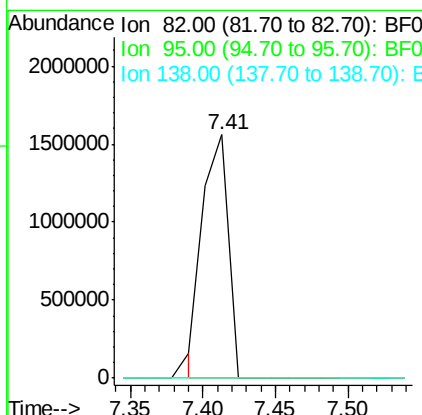
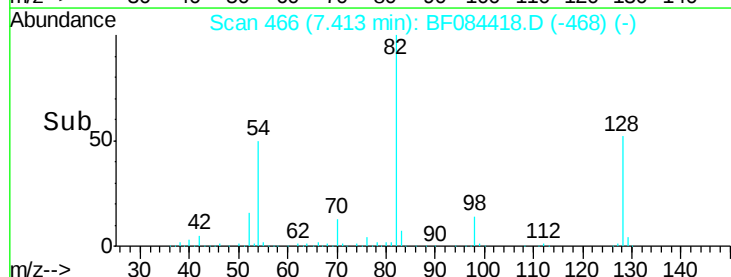
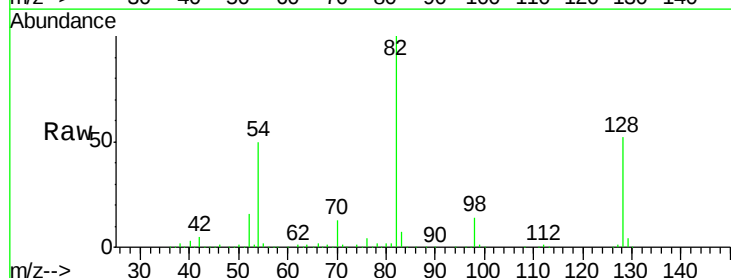
Instrument :
BNA_F
ClientSampleId :
P0-002

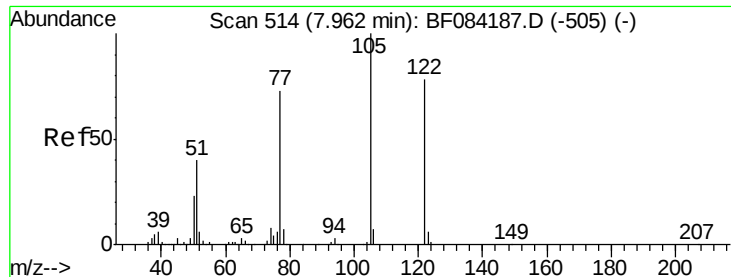
Tgt Ion: 82 Resp: 2030554
Ion Ratio Lower Upper
82 100
128 51.8 34.6 51.8
54 49.9 38.4 57.6



#25
Isophorone
Concen: 49.40 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.32 min
Lab File: BF084418.D
Acq: 12 Jan 2016 19:01

Tgt Ion: 82 Resp: 1919092
Ion Ratio Lower Upper
82 100
95 0.0 6.6 10.0#
138 0.0 13.6 20.4#





#32

Benzoic acid

Concen: 6.26 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.16 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

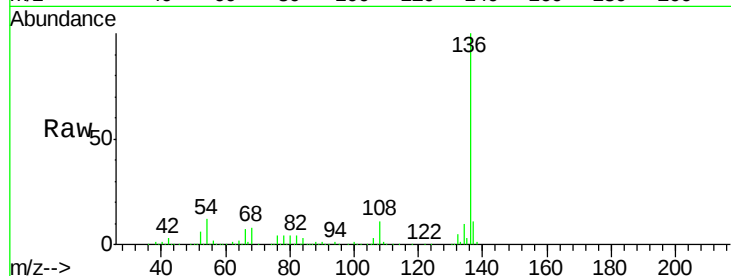
BNA_F

ClientSampleId :

P0-002

Tgt Ion:122 Resp: 219

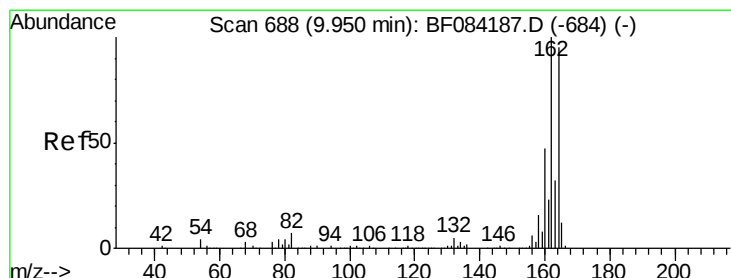
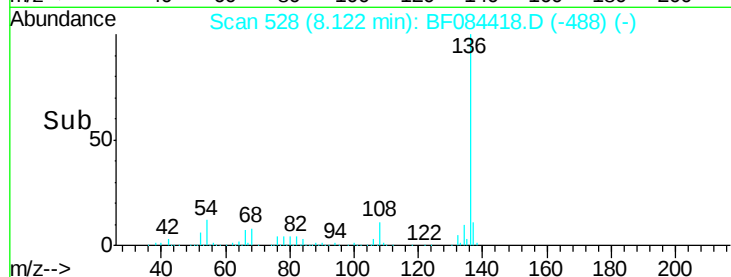
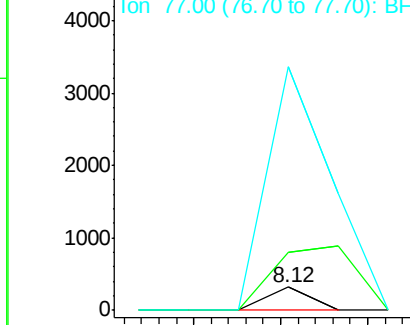
Ion	Ratio	Lower	Upper
122	100		
105	251.1	100.3	140.3#
77	1053.6	63.5	103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

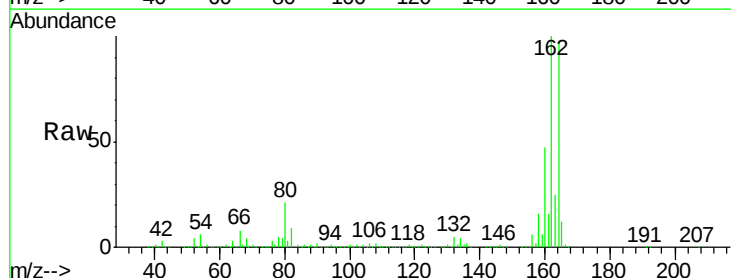
Delta R.T. -0.07 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Tgt Ion:164 Resp: 546370

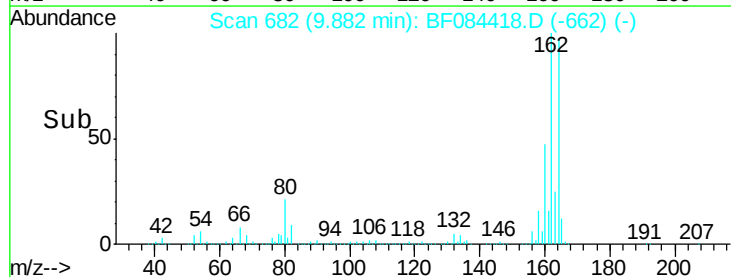
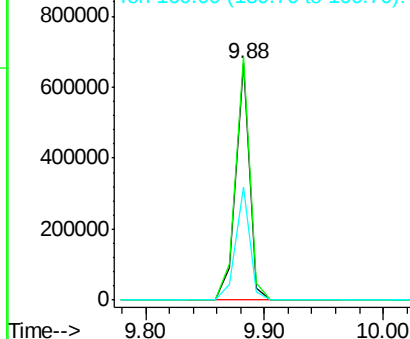
Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.1	127.7
160	48.0	37.5	56.3

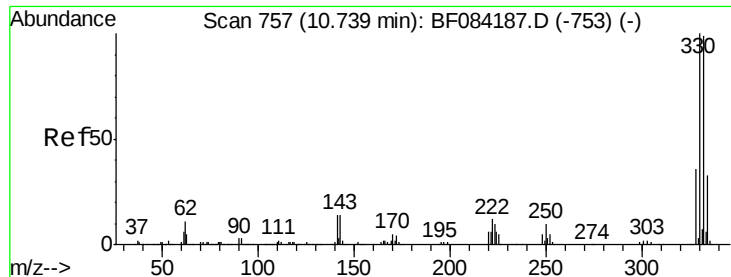


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

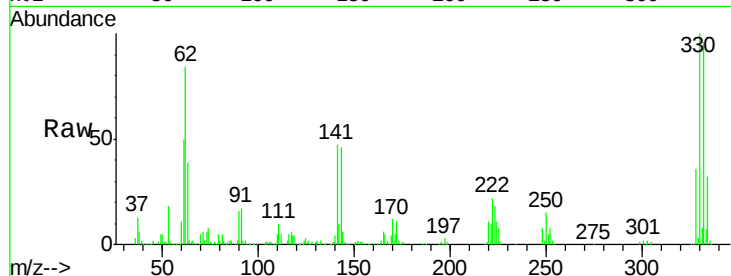




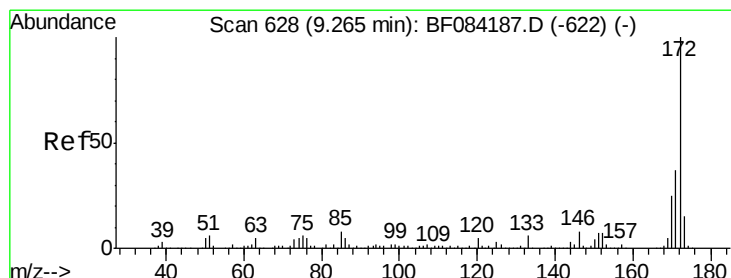
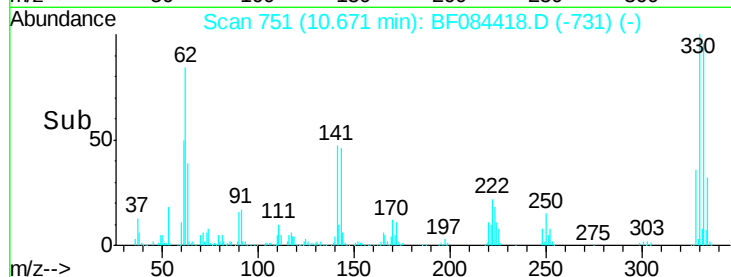
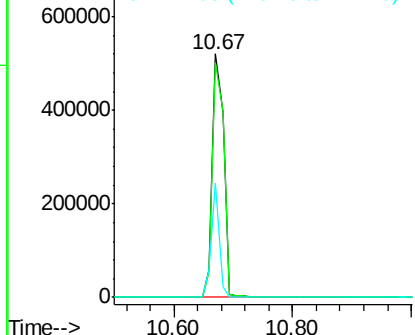
#41
 2,4,6-Tribromophenol
 Concen: 124.69 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.07 min
 Lab File: BF084418.D
 Acq: 12 Jan 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :
 P0-002

Tgt Ion:330 Resp: 687800
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 33.8 27.8 41.6

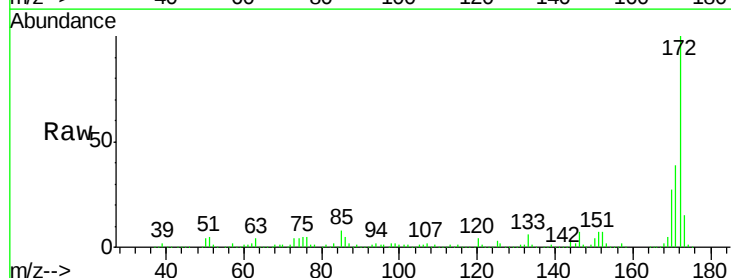


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

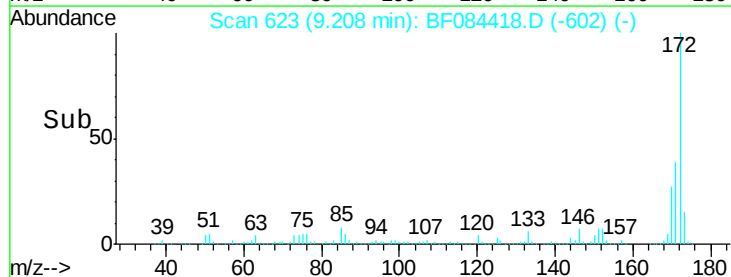
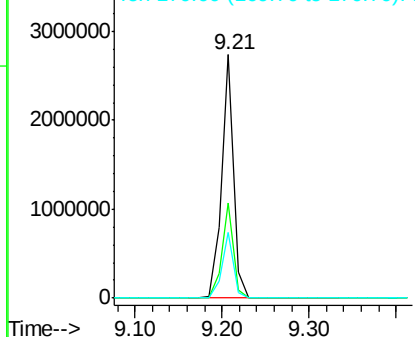


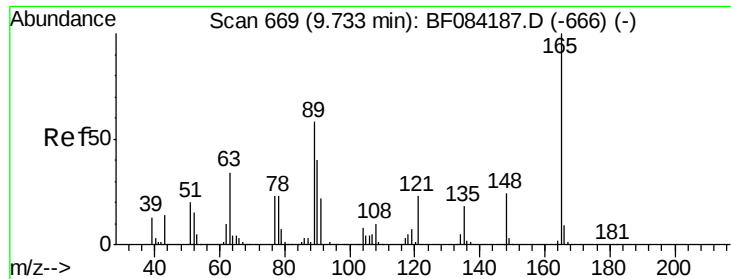
#44
 2-Fluorobiphenyl
 Concen: 85.28 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF084418.D
 Acq: 12 Jan 2016 19:01

Tgt Ion:172 Resp: 2647903
 Ion Ratio Lower Upper
 172 100
 171 39.2 28.9 43.3
 170 27.1 18.6 27.8



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

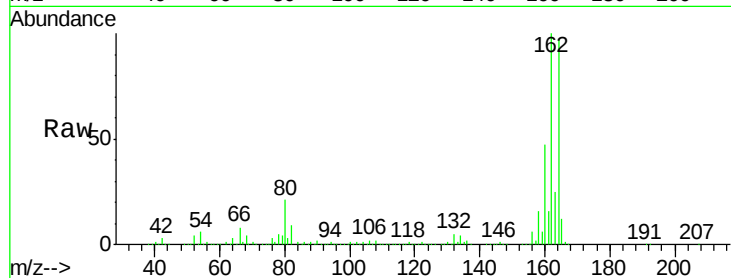




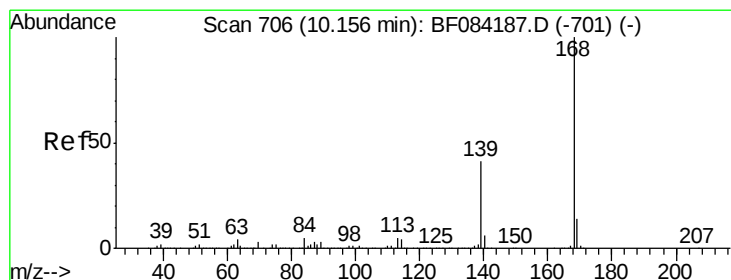
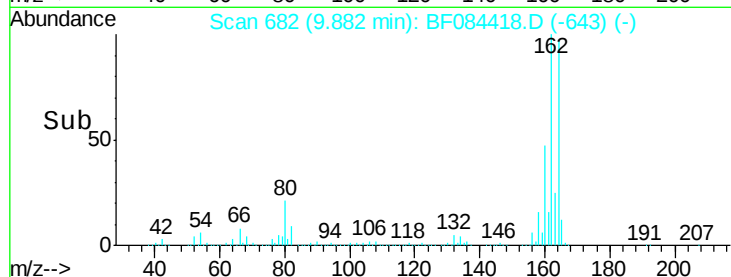
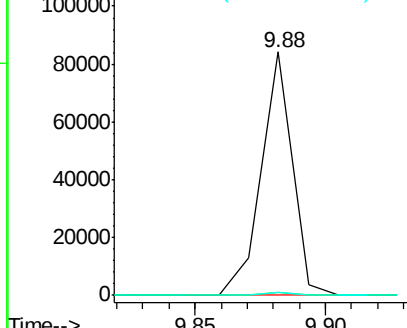
#50
2,6-Dinitrotoluene
Concen: 8.07 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.15 min
Lab File: BF084418.D
Acq: 12 Jan 2016 19:01

Instrument :
BNA_F
ClientSampleId :
P0-002

Tgt Ion:165 Resp: 69158
Ion Ratio Lower Upper
165 100
63 1.2 28.8 43.2#
89 1.4 35.1 52.7#

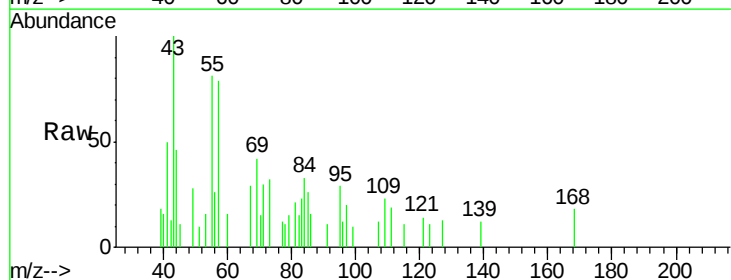


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

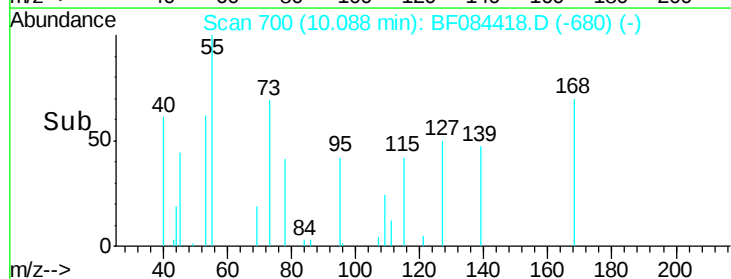
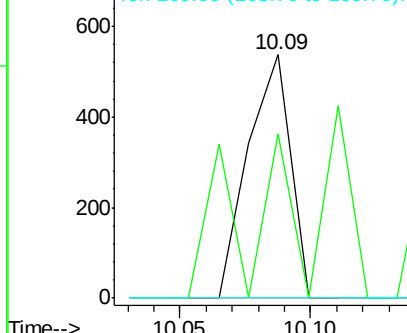


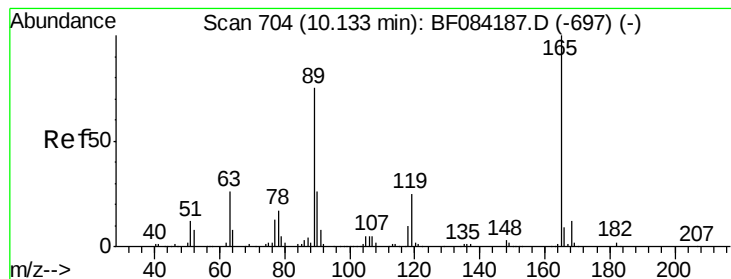
#54
Dibenzofuran
Concen: Below Cal
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084418.D
Acq: 12 Jan 2016 19:01

Tgt Ion:168 Resp: 605
Ion Ratio Lower Upper
168 100
139 67.7 30.5 45.7#
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 6.38 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

BNA_F

ClientSampleId :

P0-002

Tgt Ion:165 Resp: 69161

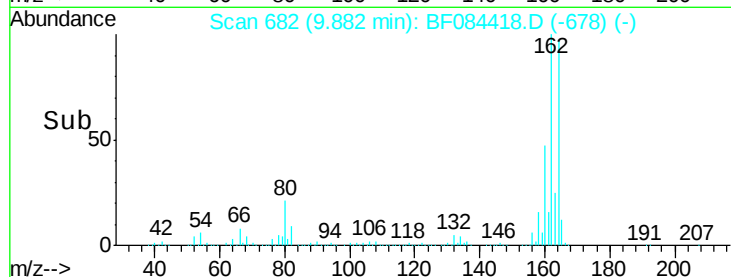
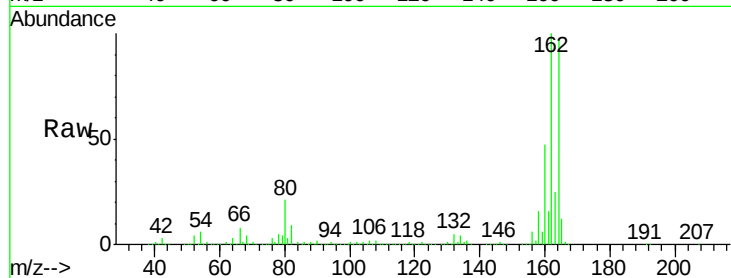
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#



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

120000

100000

80000

60000

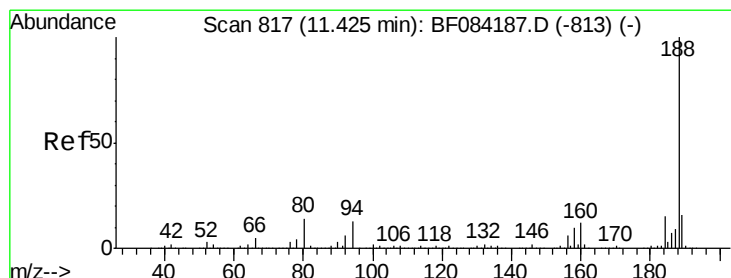
40000

20000

0

9.85 9.88 9.90

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

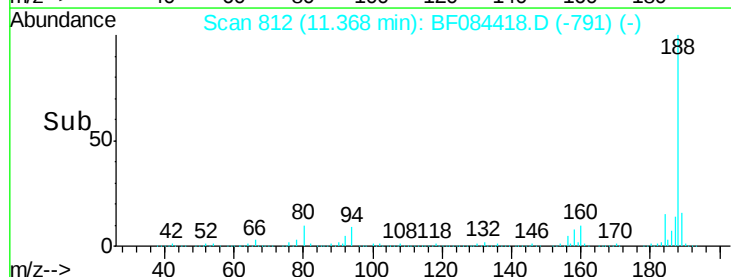
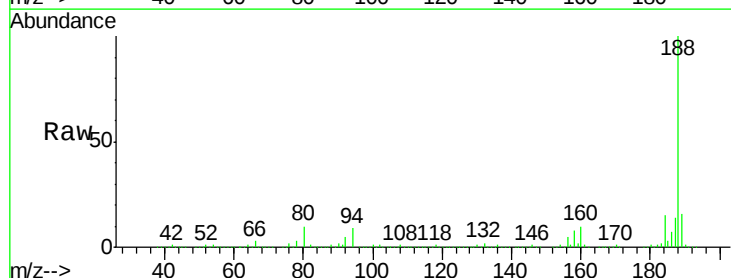
Tgt Ion:188 Resp: 978868

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.4

80 9.9 9.6 14.4



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

1500000

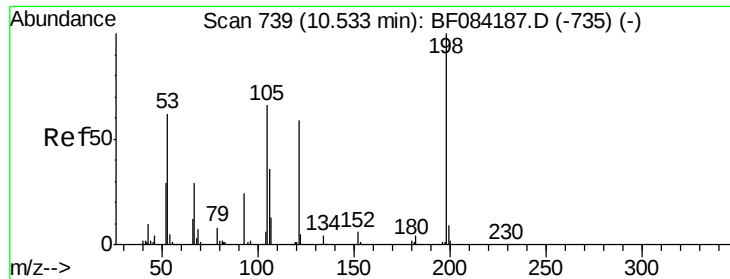
1000000

500000

0

11.30 11.35 11.40

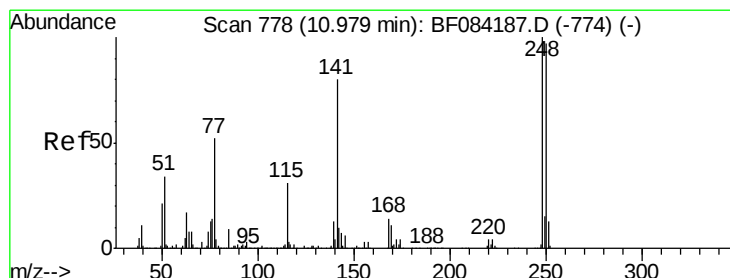
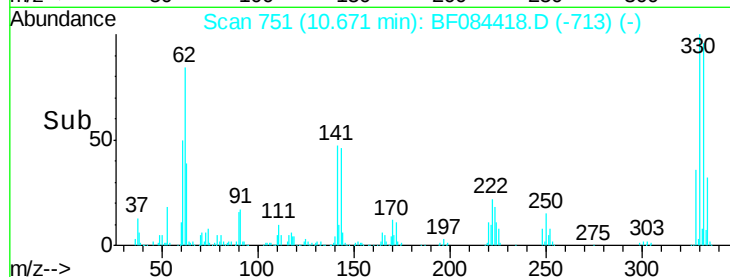
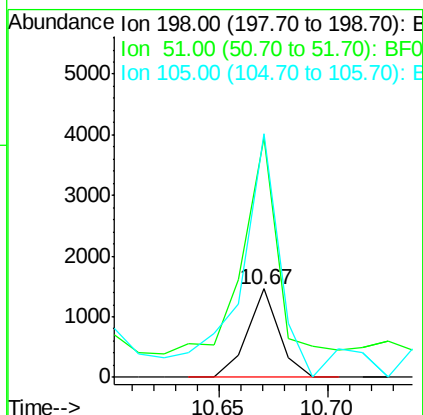
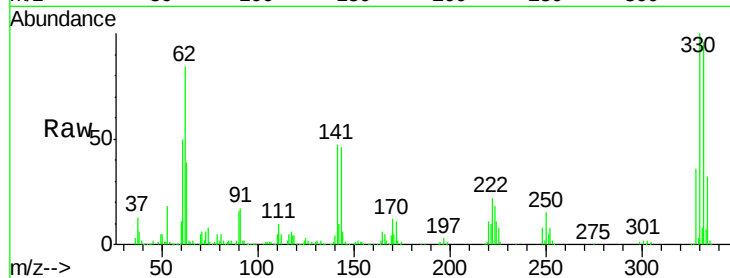
Time-->



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.61 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.14 min
 Lab File: BF084418.D
 Acq: 12 Jan 2016 19:01

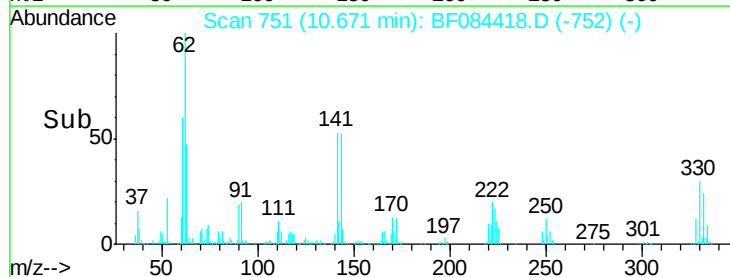
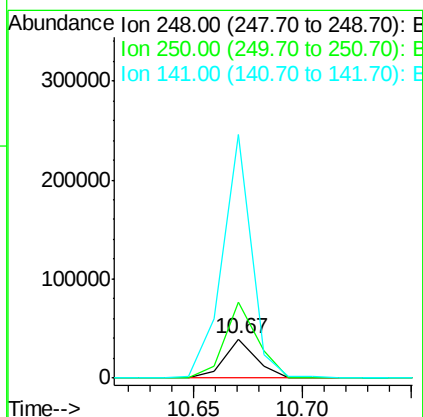
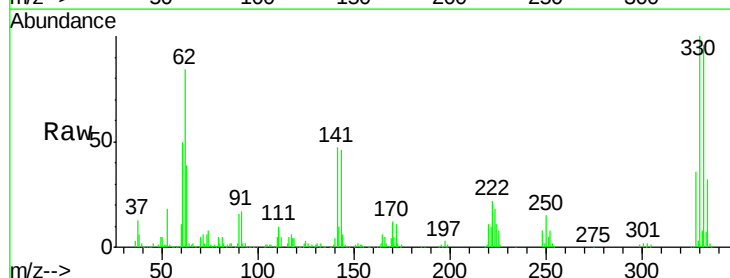
Instrument :
 BNA_F
 ClientSampleId :
 P0-002

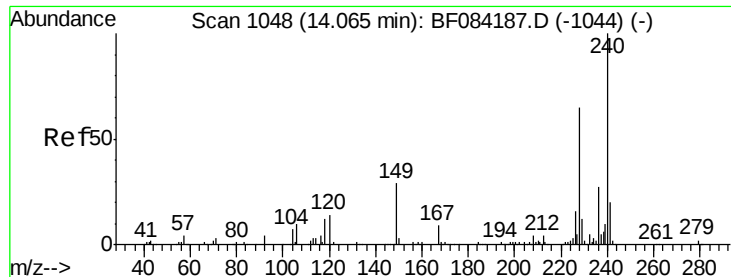
Tgt Ion:198 Resp: 1477
 Ion Ratio Lower Upper
 198 100
 51 271.7 18.9 58.9#
 105 275.6 26.4 66.4#



#66
 4-Bromophenyl-phenylether
 Concen: 3.88 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.31 min
 Lab File: BF084418.D
 Acq: 12 Jan 2016 19:01

Tgt Ion:248 Resp: 40856
 Ion Ratio Lower Upper
 248 100
 250 191.7 78.4 117.6#
 141 617.7 44.0 66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.07 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

Instrument :

BNA_F

ClientSampleId :

P0-002

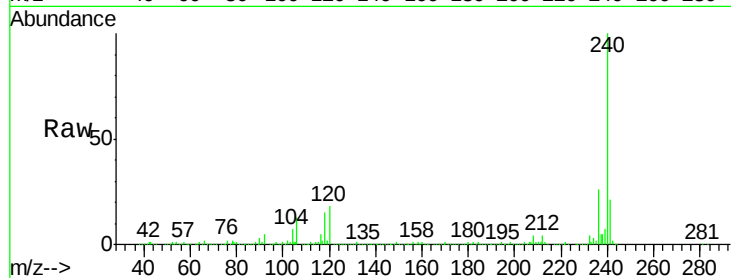
Tgt Ion:240 Resp: 656110

Ion Ratio Lower Upper

240 100

120 17.8 9.5 14.3#

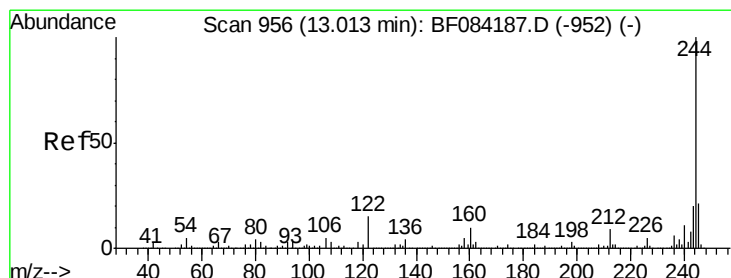
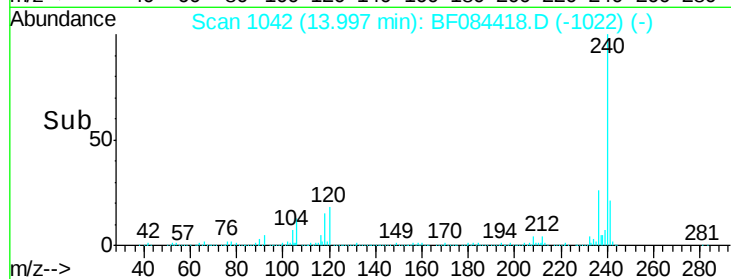
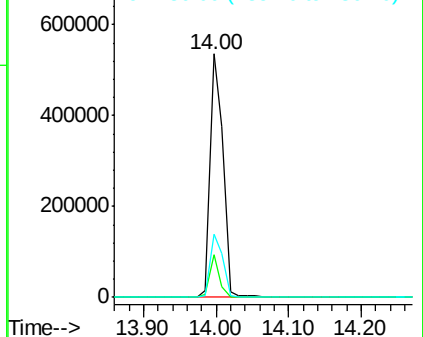
236 25.8 20.6 31.0



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: 80.09 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084418.D

Acq: 12 Jan 2016 19:01

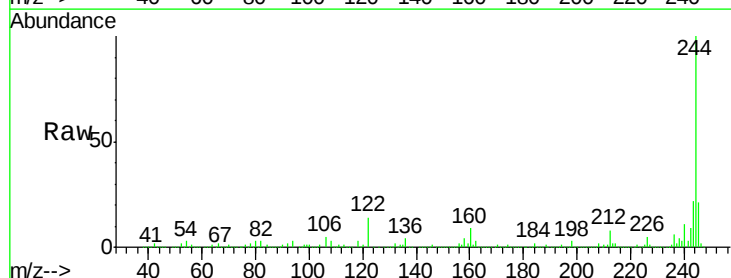
Tgt Ion:244 Resp: 2354050

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

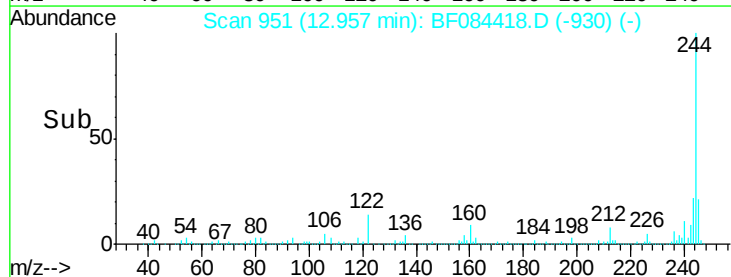
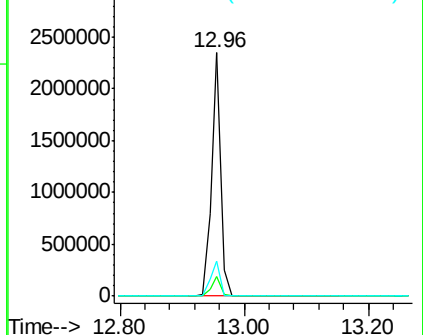
122 14.2 7.4 11.0#

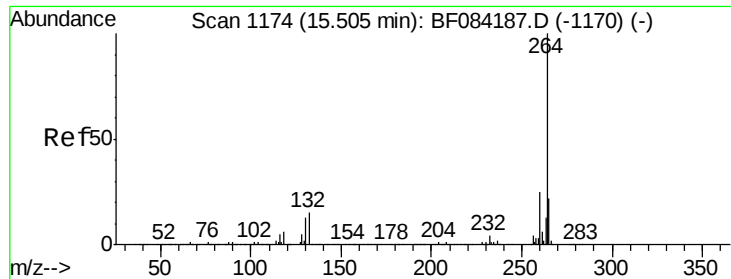


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

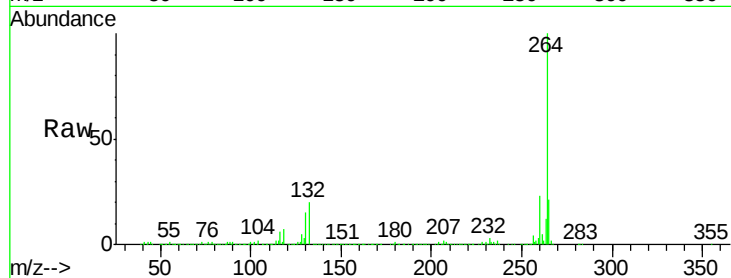




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF084418.D
Acq: 12 Jan 2016 19:01

Instrument :
BNA_F
ClientSampleId :
P0-002

Tgt Ion: 264 Resp: 526209
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 21.4 17.8 26.6



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

