

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084765.D
 Acq On : 3 Feb 2016 1:36
 Operator : SJ/IZ
 Sample : H1287-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)

Quant Time: Feb 03 02:49:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

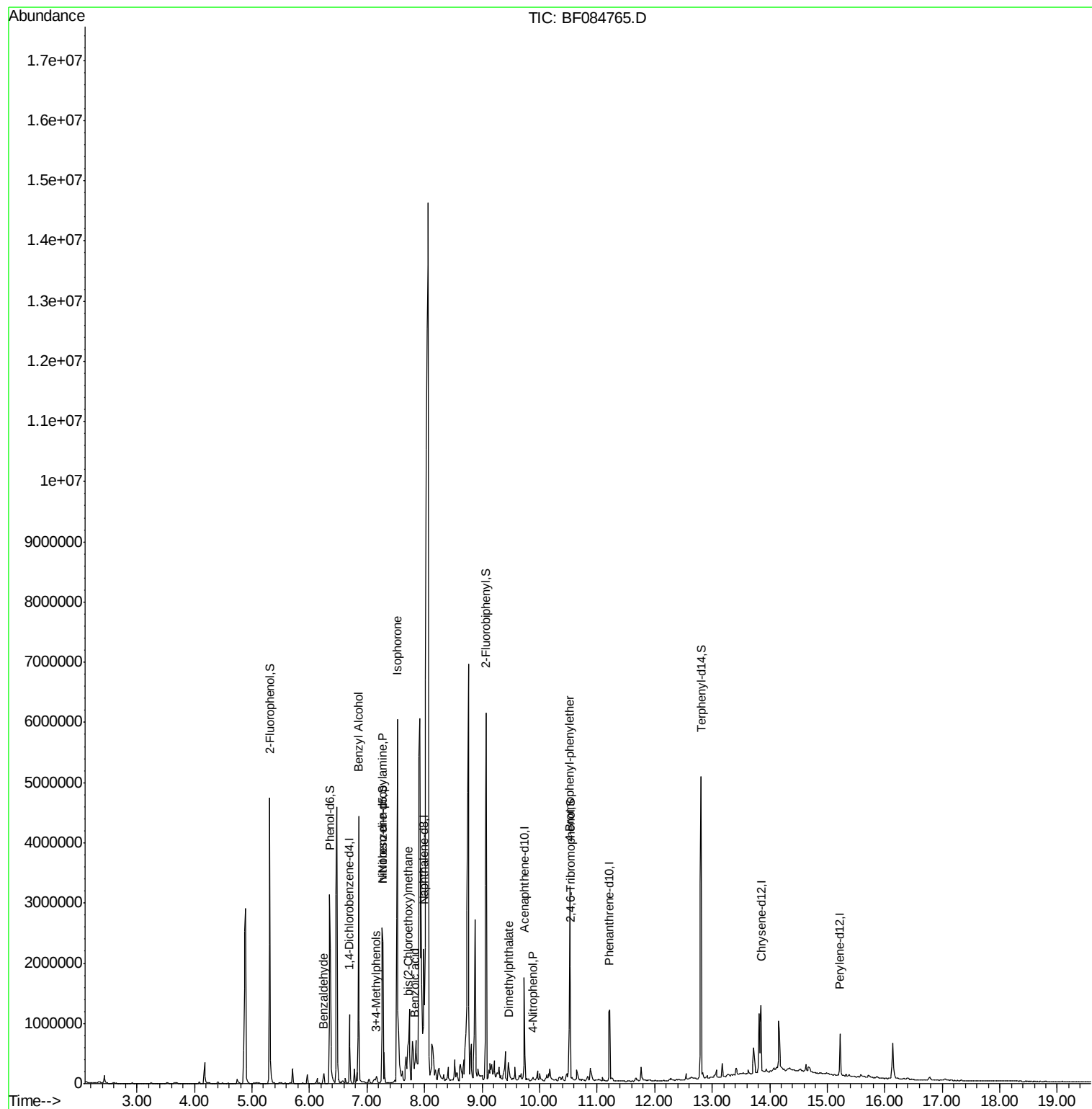
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180797	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	779962	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	343338	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	657688	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	491756	20.00	ng	-0.02
86) Perylene-d12	15.22	264	364622	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1449554	124.88	ng	0.00
7) Phenol-d6	6.35	99	1795015	124.74	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1339595	96.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	551875	154.10	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	2189608	130.87	ng	-0.02
78) Terphenyl-d14	12.81	244	1945327	89.64	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.25	77	35520	4.18	ng	Qvalue 85
15) Benzyl Alcohol	6.85	79	61711	6.21	ng	# 60
19) n-Nitroso-di-n-propylamine	7.26	70	187566	20.79	ng	# 72
20) 3+4-Methylphenols	7.16	107	43673	3.39	ng	# 68
25) Isophorone	7.53	82	227197	8.44	ng	# 48
28) bis(2-Chloroethoxy)methane	7.72	93	103783	6.50	ng	# 19
32) Benzoic acid	7.84	122	81121	9.97	ng	92
49) Dimethylphthalate	9.46	163	136813	5.23	ng	# 90
55) 4-Nitrophenol	9.88	139	10947	2.32	ng	# 53
60) 4-Chlorophenyl-phenylether	10.51	204	1517	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.52	248	31754	4.37	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

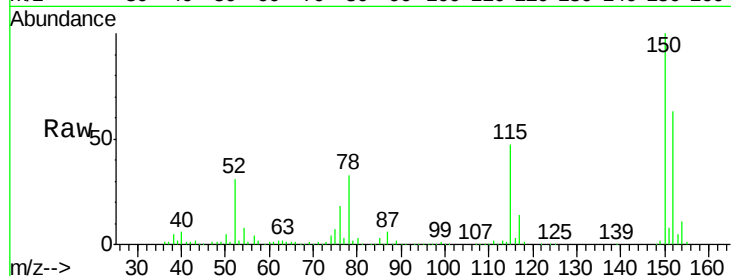
Tgt Ion:152 Resp: 180797

Ion Ratio Lower Upper

152 100

150 159.3 123.0 184.4

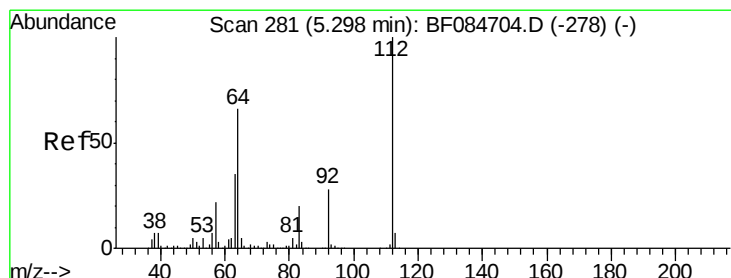
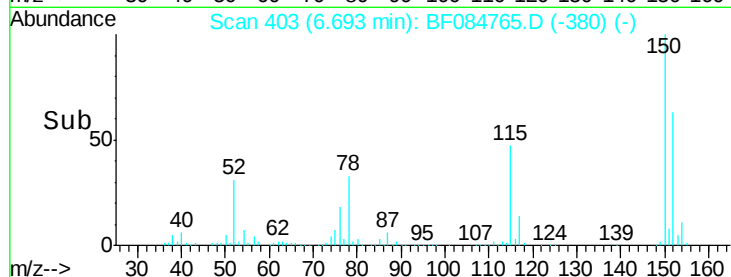
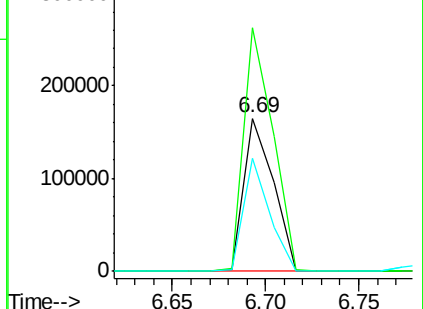
115 74.2 51.4 77.2



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: 124.88 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

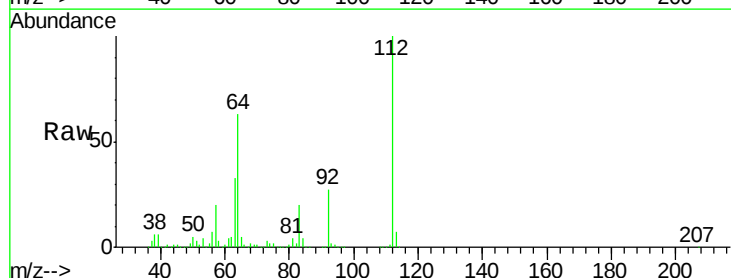
Tgt Ion:112 Resp: 1449554

Ion Ratio Lower Upper

112 100

64 63.0 36.6 55.0#

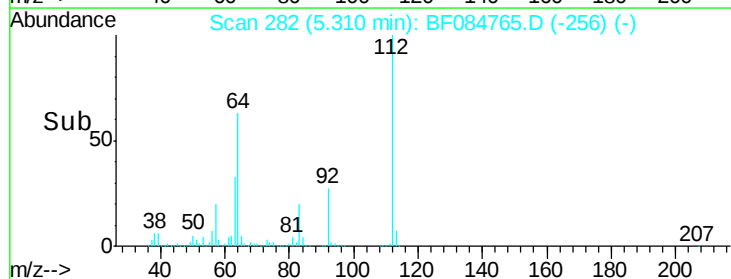
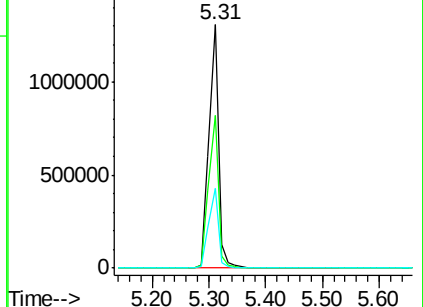
63 32.9 19.4 29.0#



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: 124.74 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

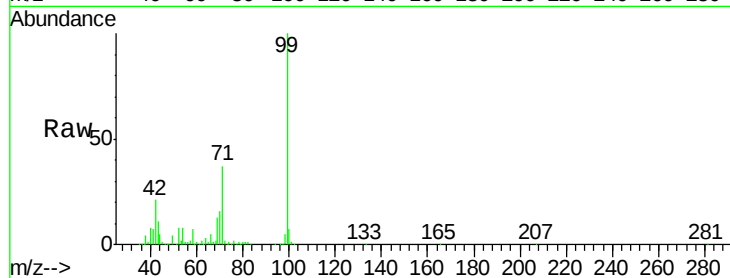
Tgt Ion: 99 Resp: 1795015

Ion Ratio Lower Upper

99 100

42 20.9 12.8 19.2#

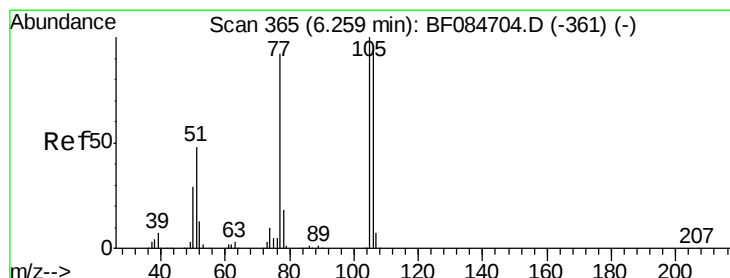
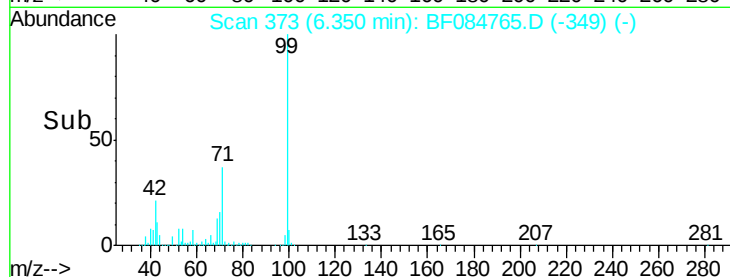
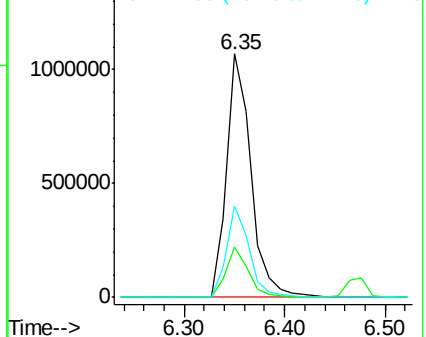
71 37.5 30.9 46.3



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: 4.18 ng

RT: 6.25 min Scan# 364

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

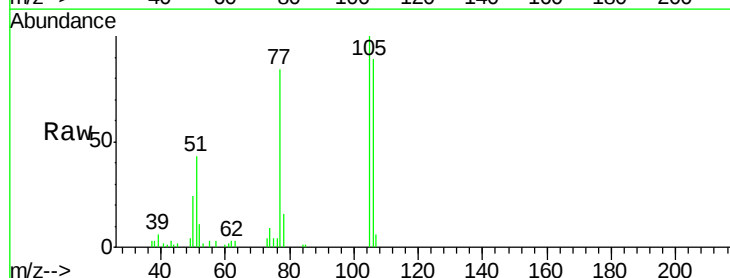
Tgt Ion: 77 Resp: 35520

Ion Ratio Lower Upper

77 100

105 119.6 83.0 123.0

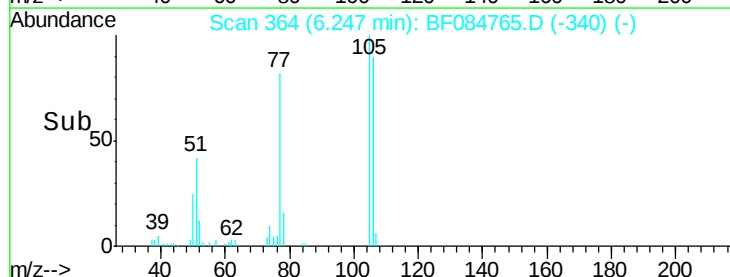
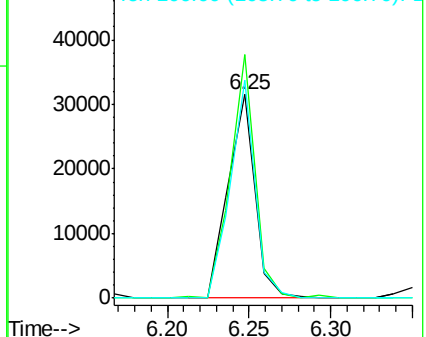
106 106.9 74.6 114.6

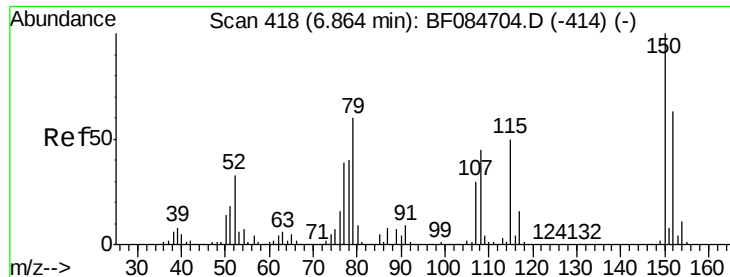


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 6.21 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

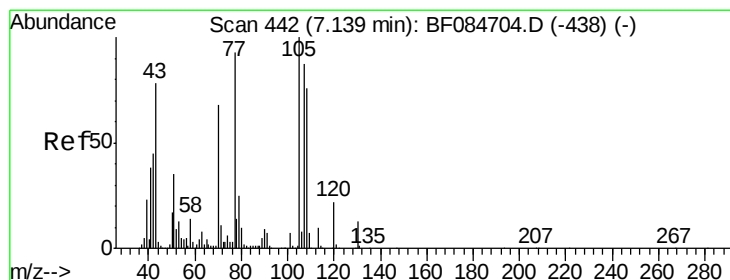
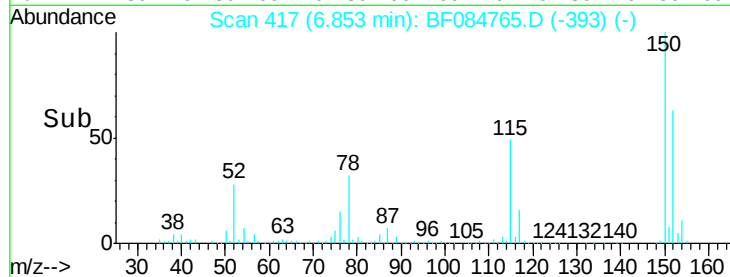
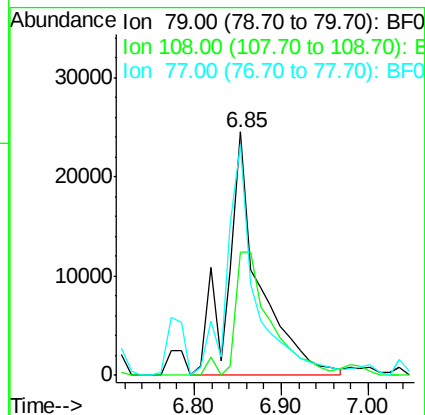
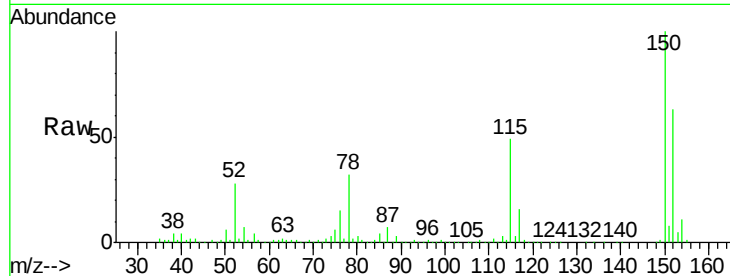
Tgt Ion: 79 Resp: 61711

Ion Ratio Lower Upper

79 100

108 50.5 69.0 103.4#

77 94.8 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 20.79 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Tgt Ion: 70 Resp: 187566

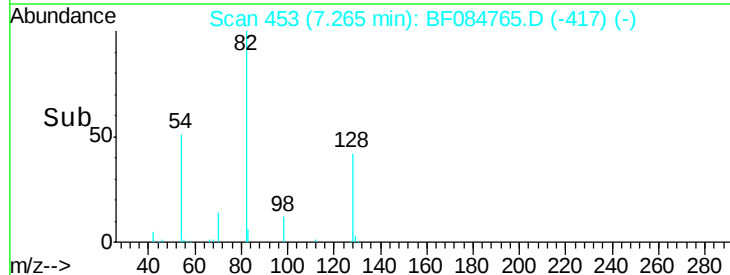
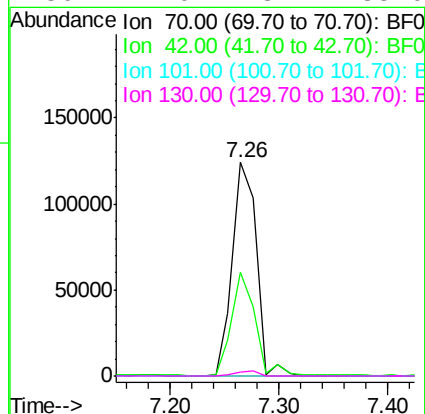
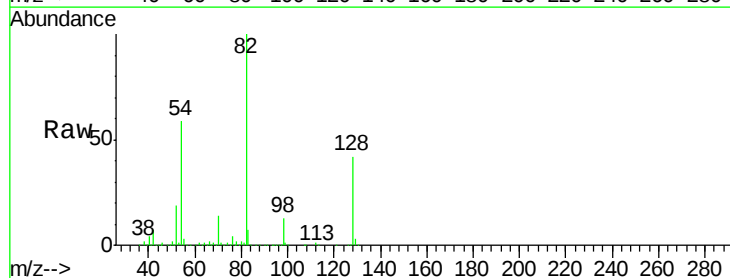
Ion Ratio Lower Upper

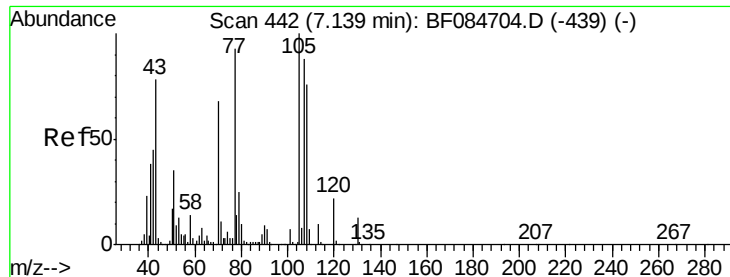
70 100

42 48.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

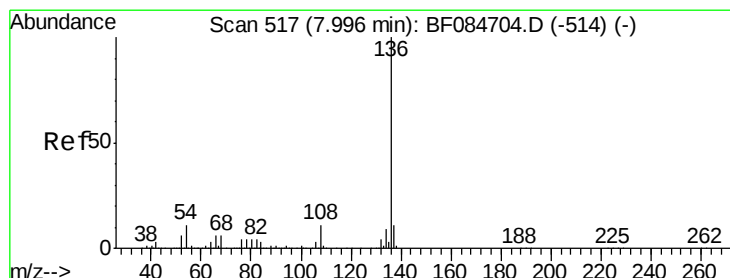
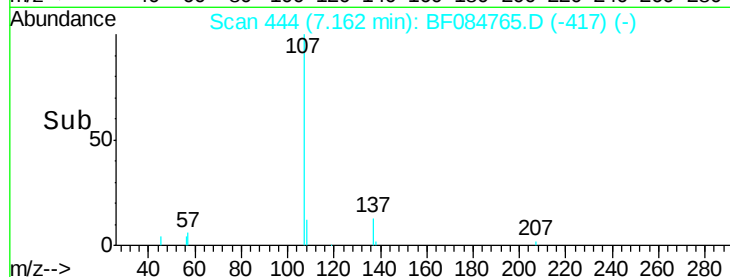
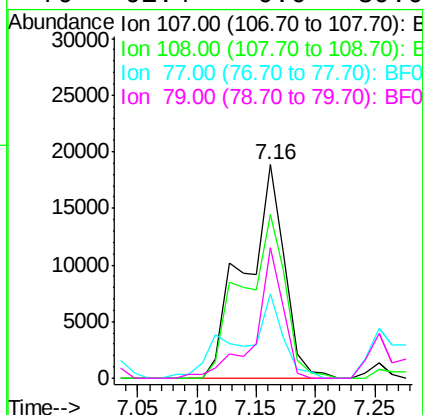
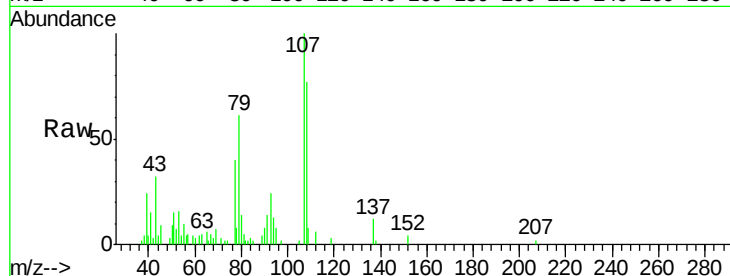




#20
3+4-Methylphenols
Concen: 3.39 ng
RT: 7.16 min Scan# 444
Delta R.T. 0.01 min
Lab File: BF084765.D
Acq: 3 Feb 2016 1:36

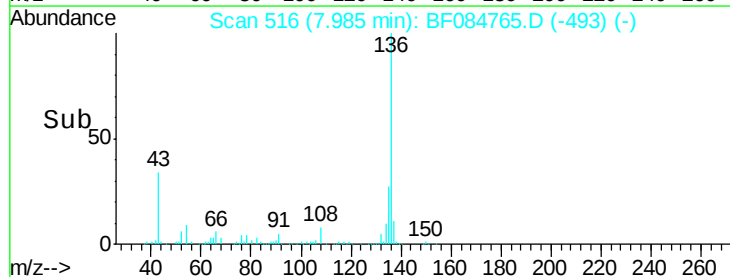
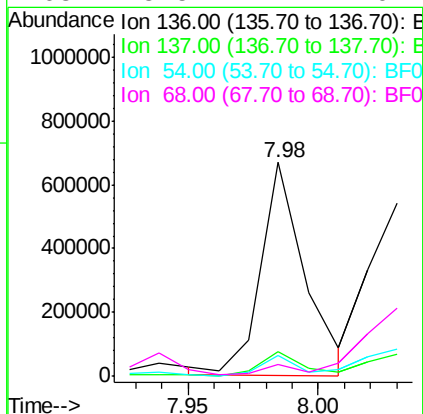
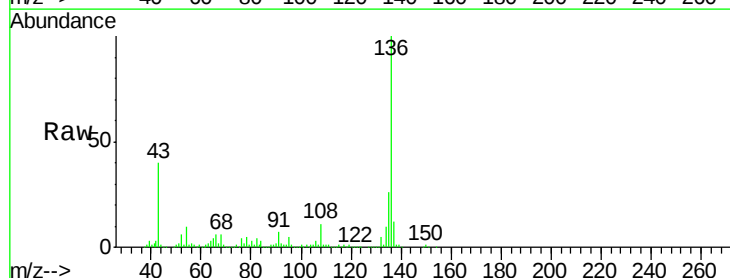
Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)

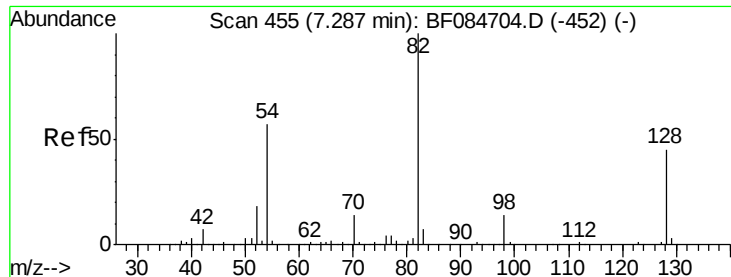
Tgt Ion:107 Resp: 43673
Ion Ratio Lower Upper
107 100
108 77.0 74.6 114.6
77 39.7 0.7 40.7
79 61.4 0.0 39.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084765.D
Acq: 3 Feb 2016 1:36

Tgt Ion:136 Resp: 779962
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 9.6 5.8 8.8#
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 96.75 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

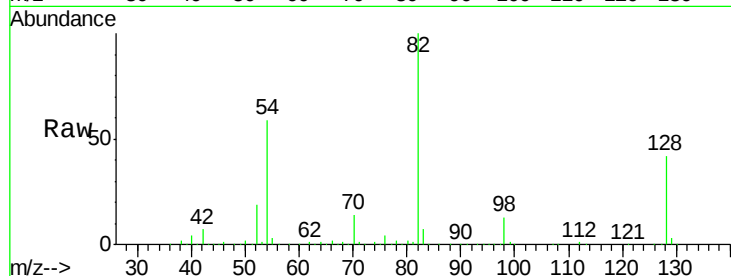
Tgt Ion: 82 Resp: 1339595

Ion Ratio Lower Upper

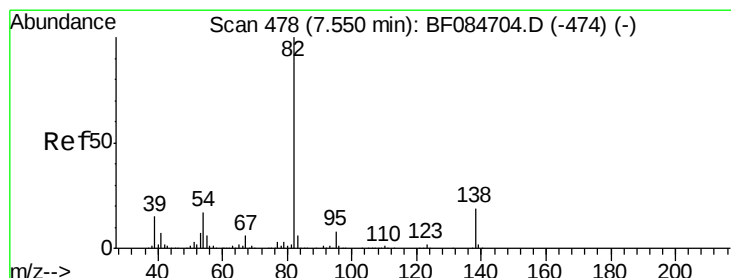
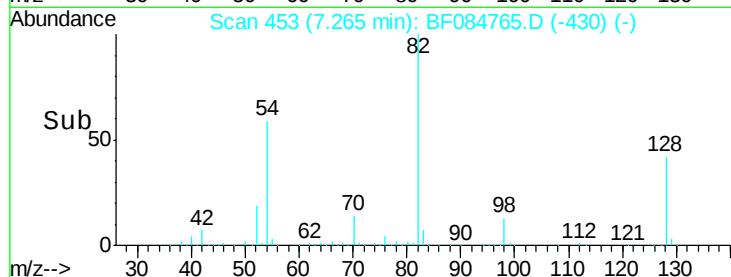
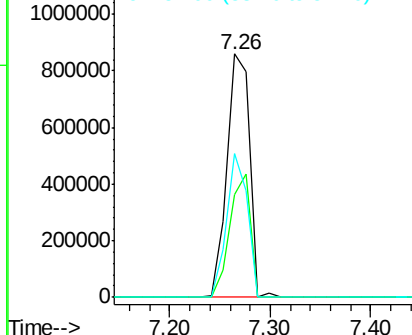
82 100

128 42.2 34.6 51.8

54 59.0 38.4 57.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 8.44 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.03 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

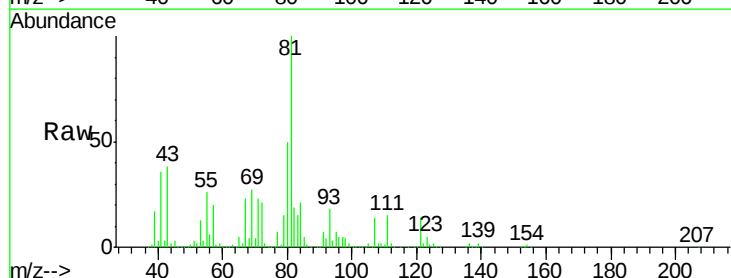
Tgt Ion: 82 Resp: 227197

Ion Ratio Lower Upper

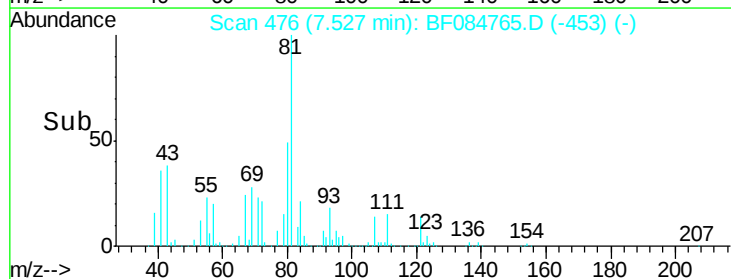
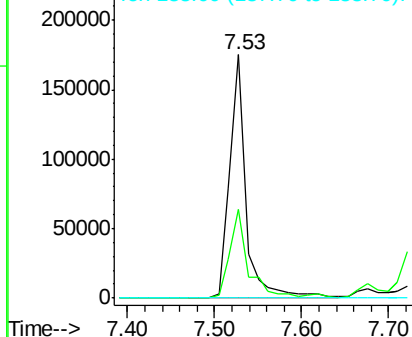
82 100

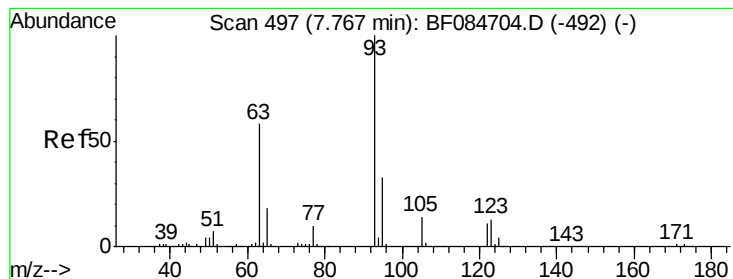
95 36.4 6.6 10.0#

138 0.2 13.6 20.4#



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





#28

bis(2-Chloroethoxy)methane

Concen: 6.50 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

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SUP-B012(10-12.5)

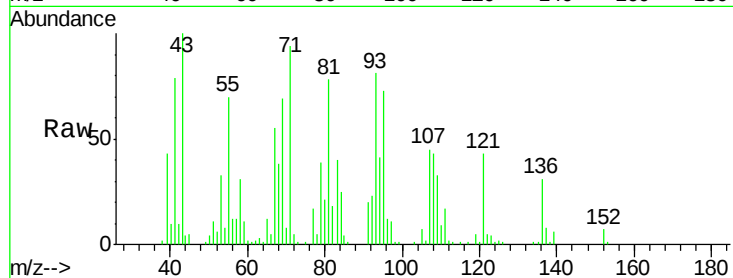
Tgt Ion: 93 Resp: 103783

Ion Ratio Lower Upper

93 100

95 89.9 25.8 38.6#

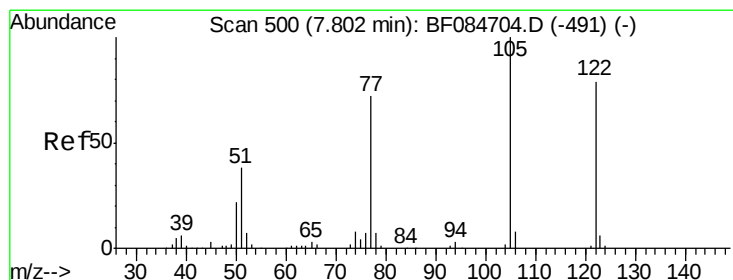
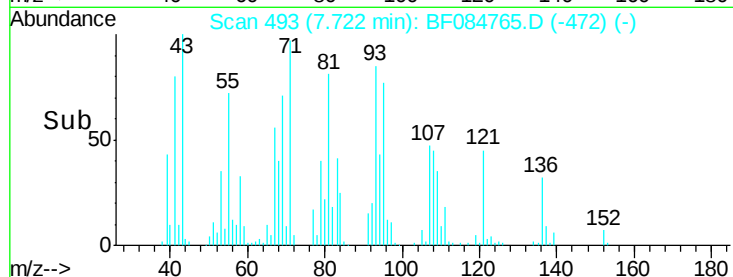
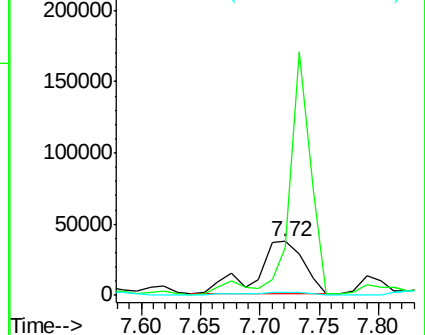
123 4.8 8.6 12.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): BF0



#32

Benzoic acid

Concen: 9.97 ng

RT: 7.84 min Scan# 503

Delta R.T. 0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

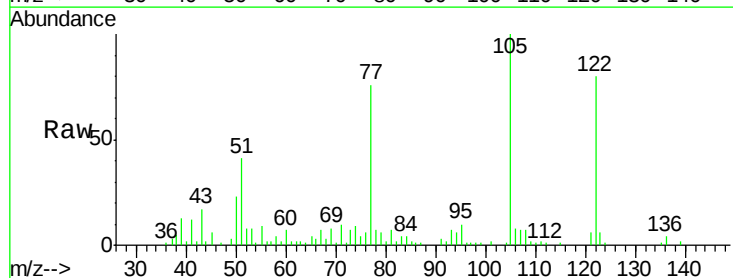
Tgt Ion: 122 Resp: 81121

Ion Ratio Lower Upper

122 100

105 125.8 100.3 140.3

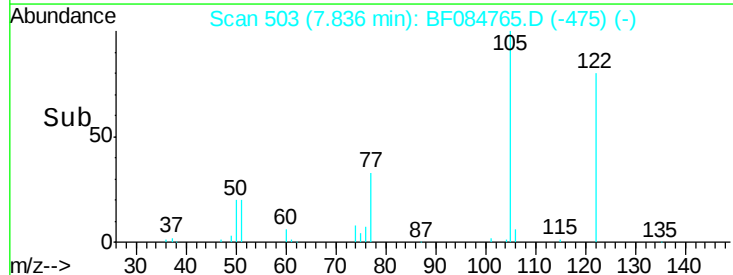
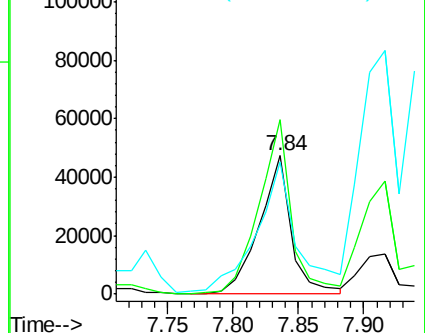
77 95.4 63.5 103.5

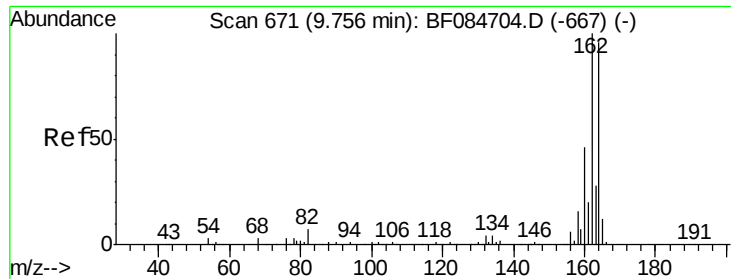


Abundance Ion 122.00 (121.70 to 122.70): E

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: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

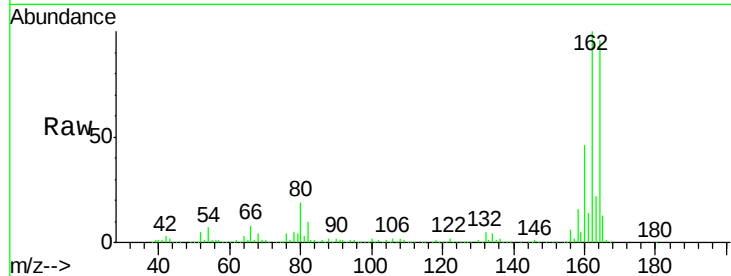
Tgt Ion:164 Resp: 343338

Ion Ratio Lower Upper

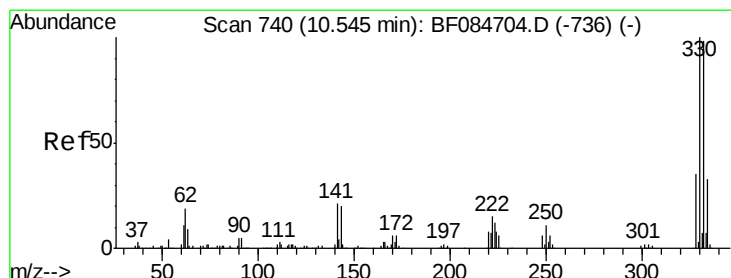
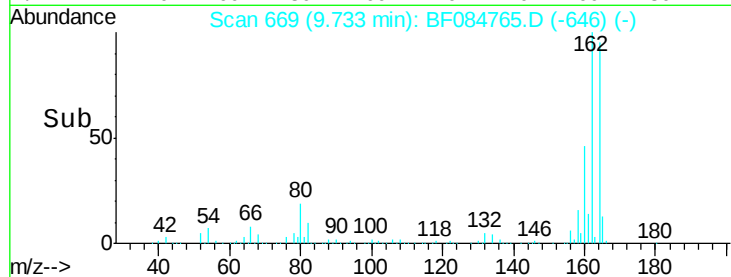
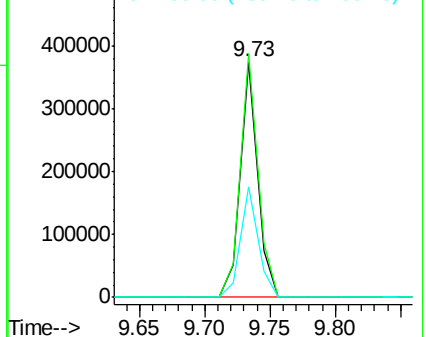
164 100

162 103.7 85.1 127.7

160 47.2 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: 154.10 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

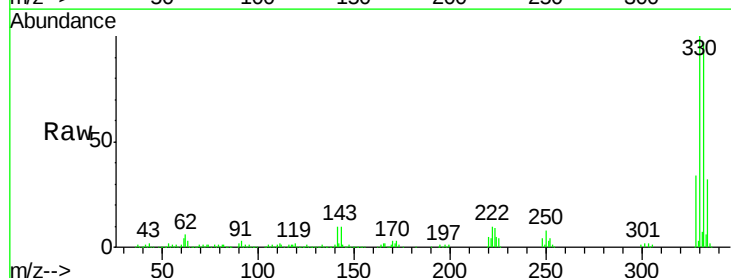
Tgt Ion:330 Resp: 551875

Ion Ratio Lower Upper

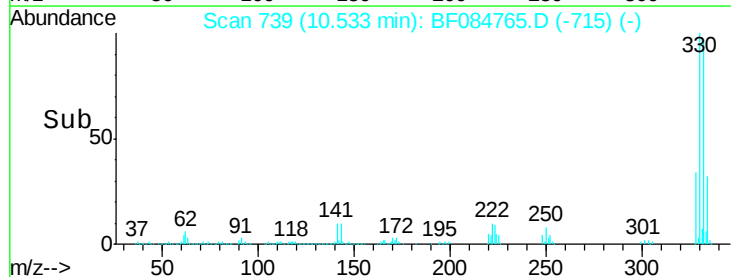
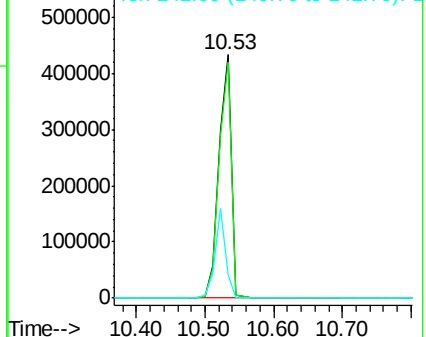
330 100

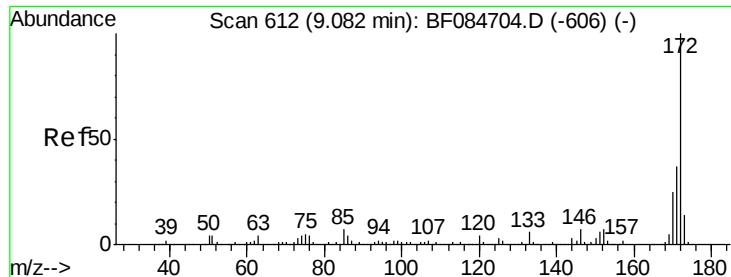
332 96.4 76.6 114.8

141 31.7 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

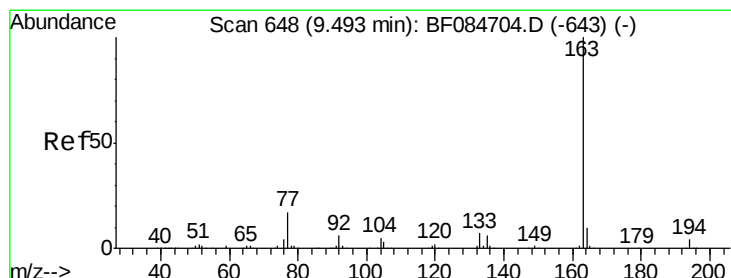
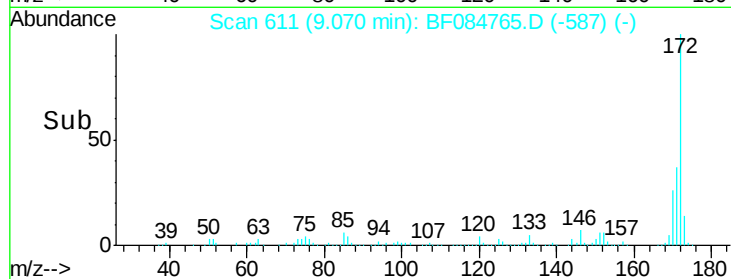
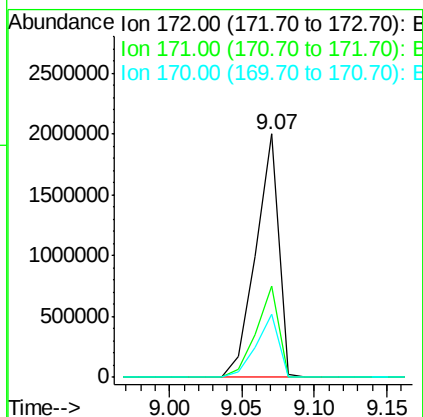
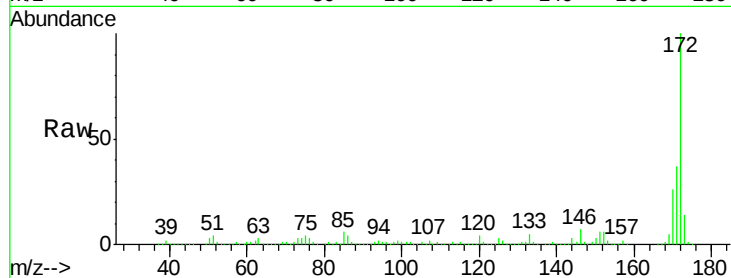




#44
 2-Fluorobiphenyl
 Concen: 130.87 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084765.D
 Acq: 3 Feb 2016 1:36

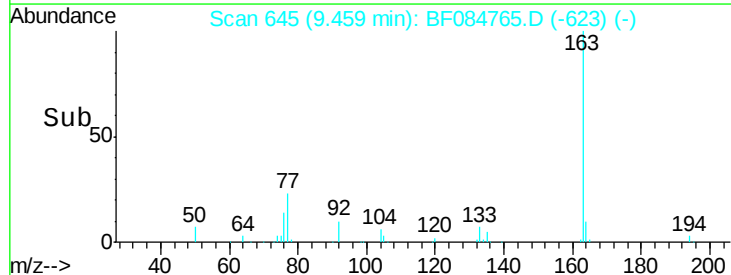
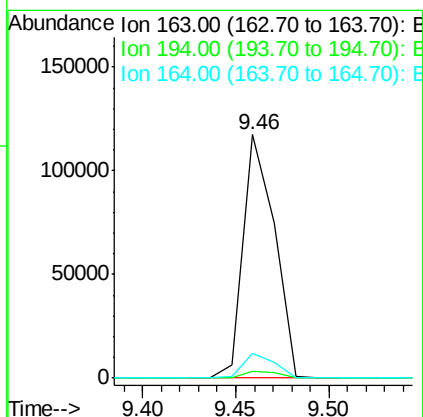
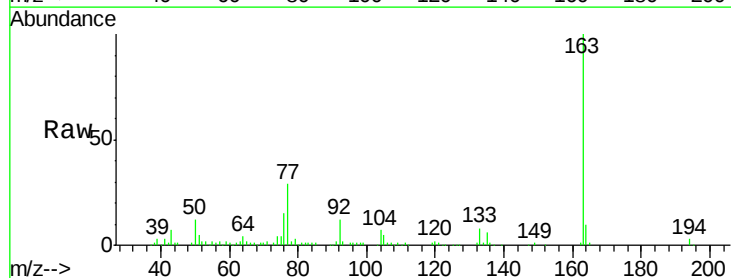
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B012(10-12.5)

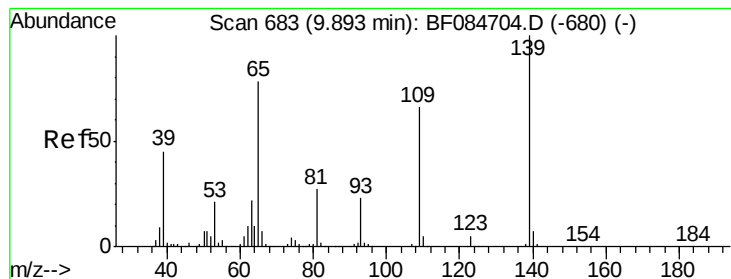
Tgt Ion:172 Resp: 2189608
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 25.9 18.6 27.8



#49
 Dimethylphthalate
 Concen: 5.23 ng
 RT: 9.46 min Scan# 645
 Delta R.T. -0.05 min
 Lab File: BF084765.D
 Acq: 3 Feb 2016 1:36

Tgt Ion:163 Resp: 136813
 Ion Ratio Lower Upper
 163 100
 194 2.9 8.0 12.0#
 164 10.3 8.0 12.0





#55

4-Nitrophenol

Concen: 2.32 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

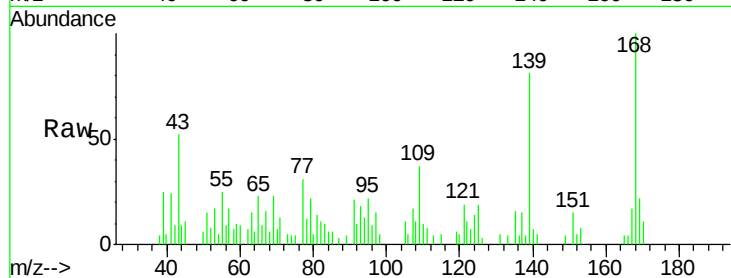
Tgt Ion:139 Resp: 10947

Ion Ratio Lower Upper

139 100

109 45.4 58.5 98.5#

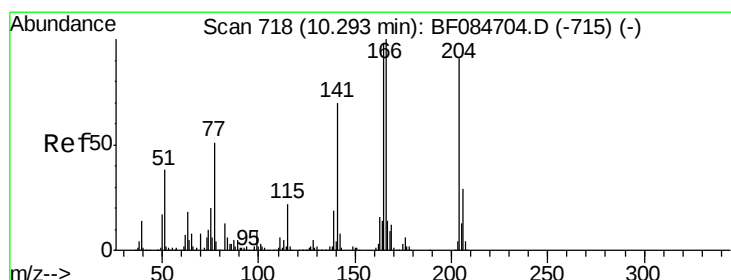
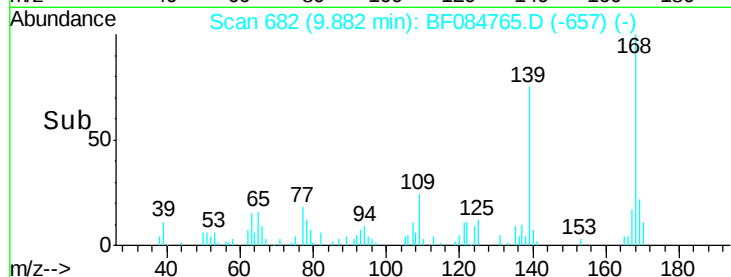
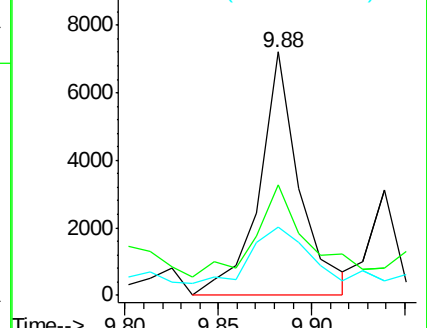
65 28.1 57.6 97.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.51 min Scan# 737

Delta R.T. 0.21 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

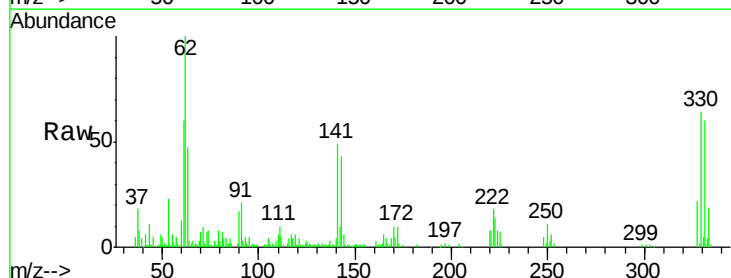
Tgt Ion:204 Resp: 1517

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

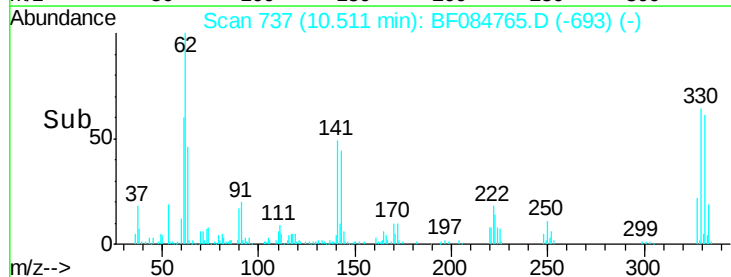
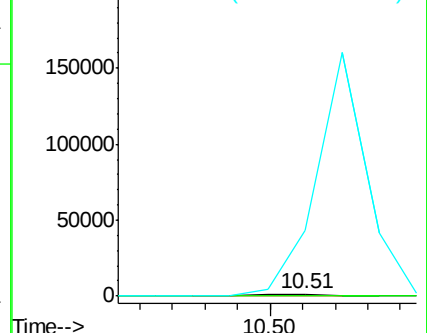
141 3124.0 55.1 82.7#

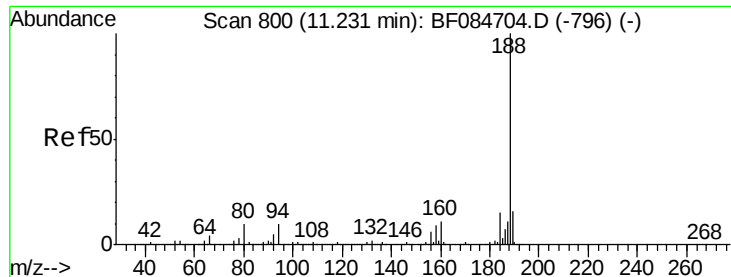


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

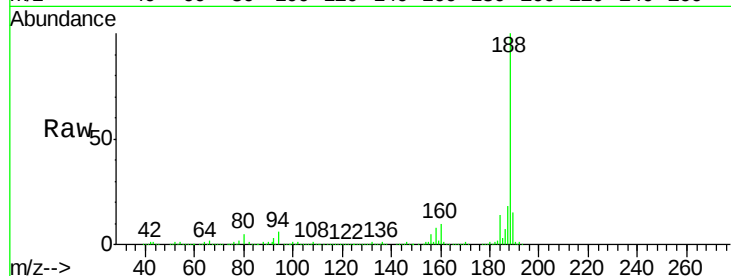
Tgt Ion:188 Resp: 657688

Ion Ratio Lower Upper

188 100

94 5.6 9.0 13.4#

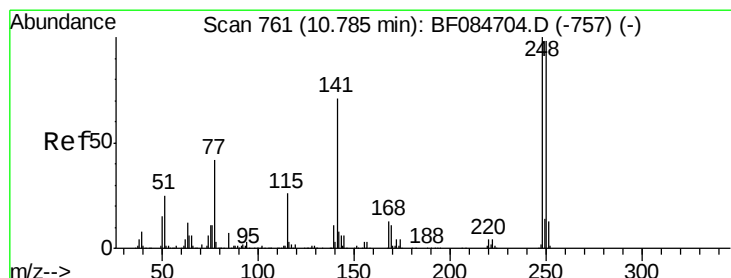
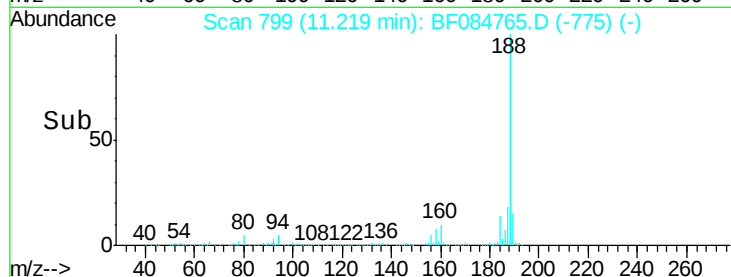
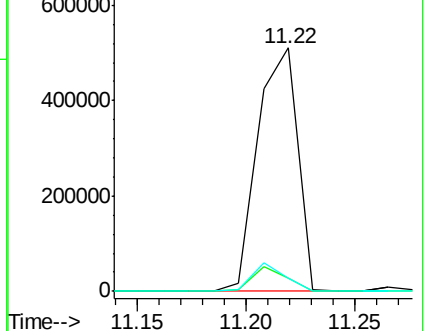
80 5.5 9.6 14.4#



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



#66

4-Bromophenyl-phenylether

Concen: 4.37 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.27 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

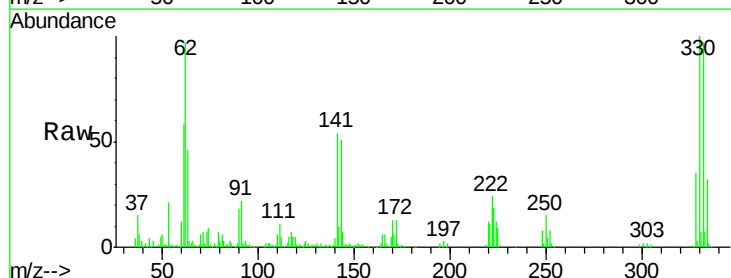
Tgt Ion:248 Resp: 31754

Ion Ratio Lower Upper

248 100

250 197.8 78.4 117.6#

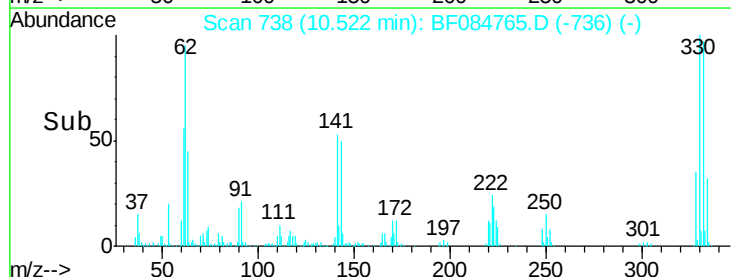
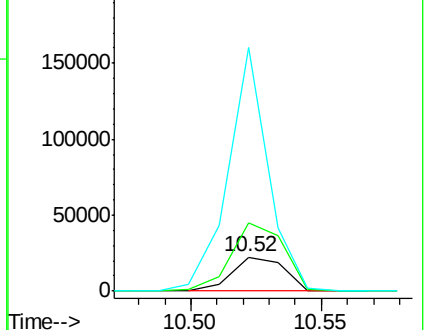
141 709.4 44.0 66.0#

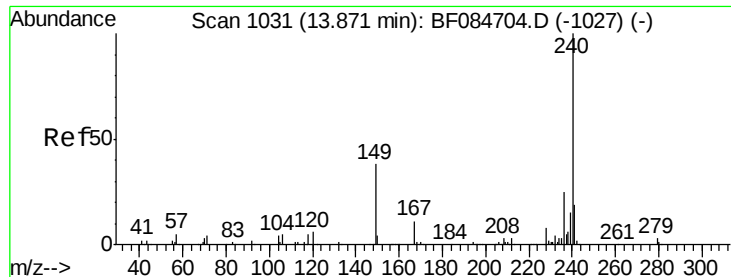


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

Instrument :

BNA_F

ClientSampleId :

SUP-B012(10-12.5)

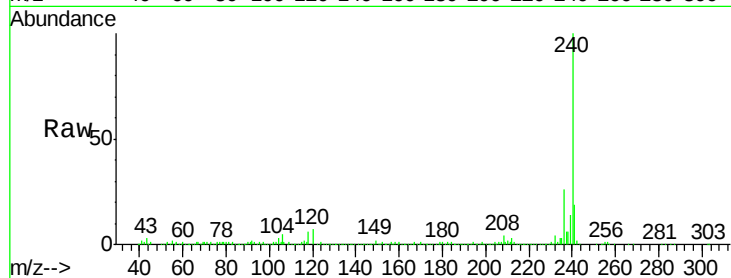
Tgt Ion:240 Resp: 491756

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

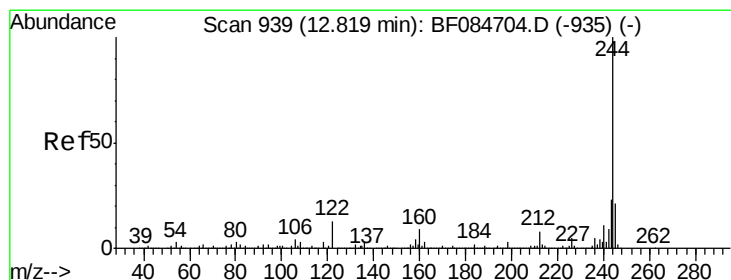
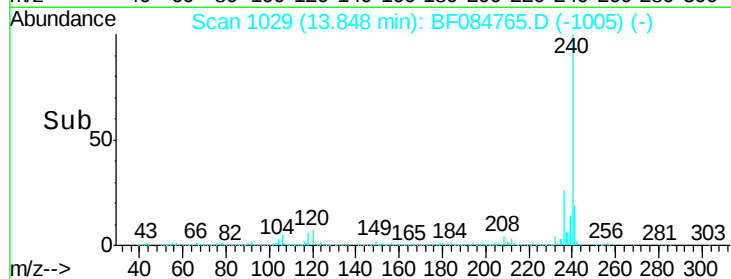
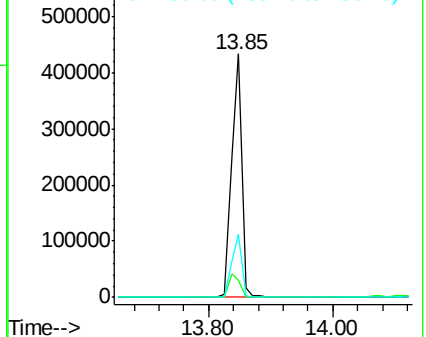
236 25.7 20.6 31.0



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: 89.64 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084765.D

Acq: 3 Feb 2016 1:36

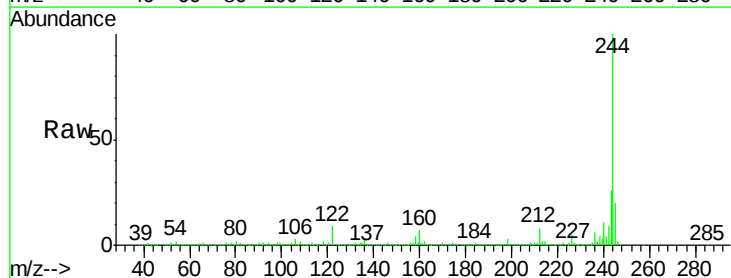
Tgt Ion:244 Resp: 1945327

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

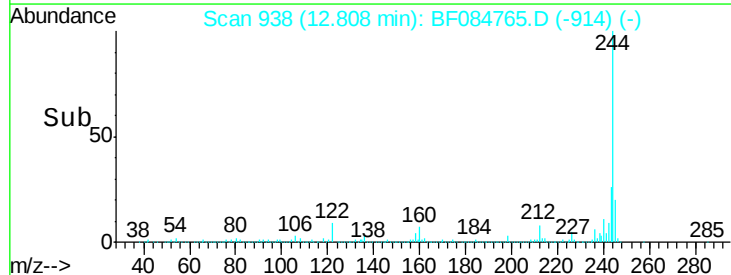
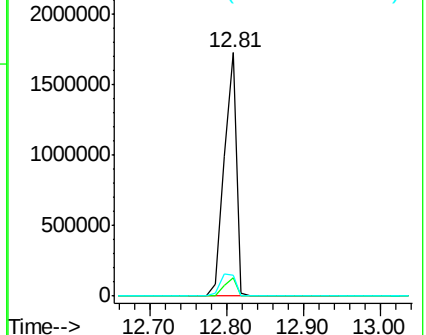
122 8.7 7.4 11.0

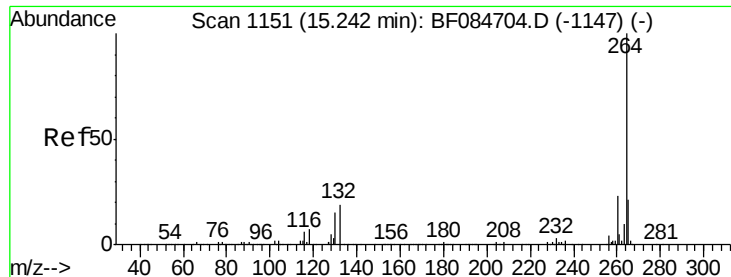


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084765.D
Acq: 3 Feb 2016 1:36

Instrument :
BNA_F
ClientSampleId :
SUP-B012(10-12.5)

Tgt Ion: 264 Resp: 364622
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.7 17.8 26.6

