

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070816\
 Data File : BF088862.D
 Acq On : 9 Jul 2016 9:29
 Operator : UM/SJ
 Sample : H3909-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-15A-9-11

Quant Time: Jul 11 00:54:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

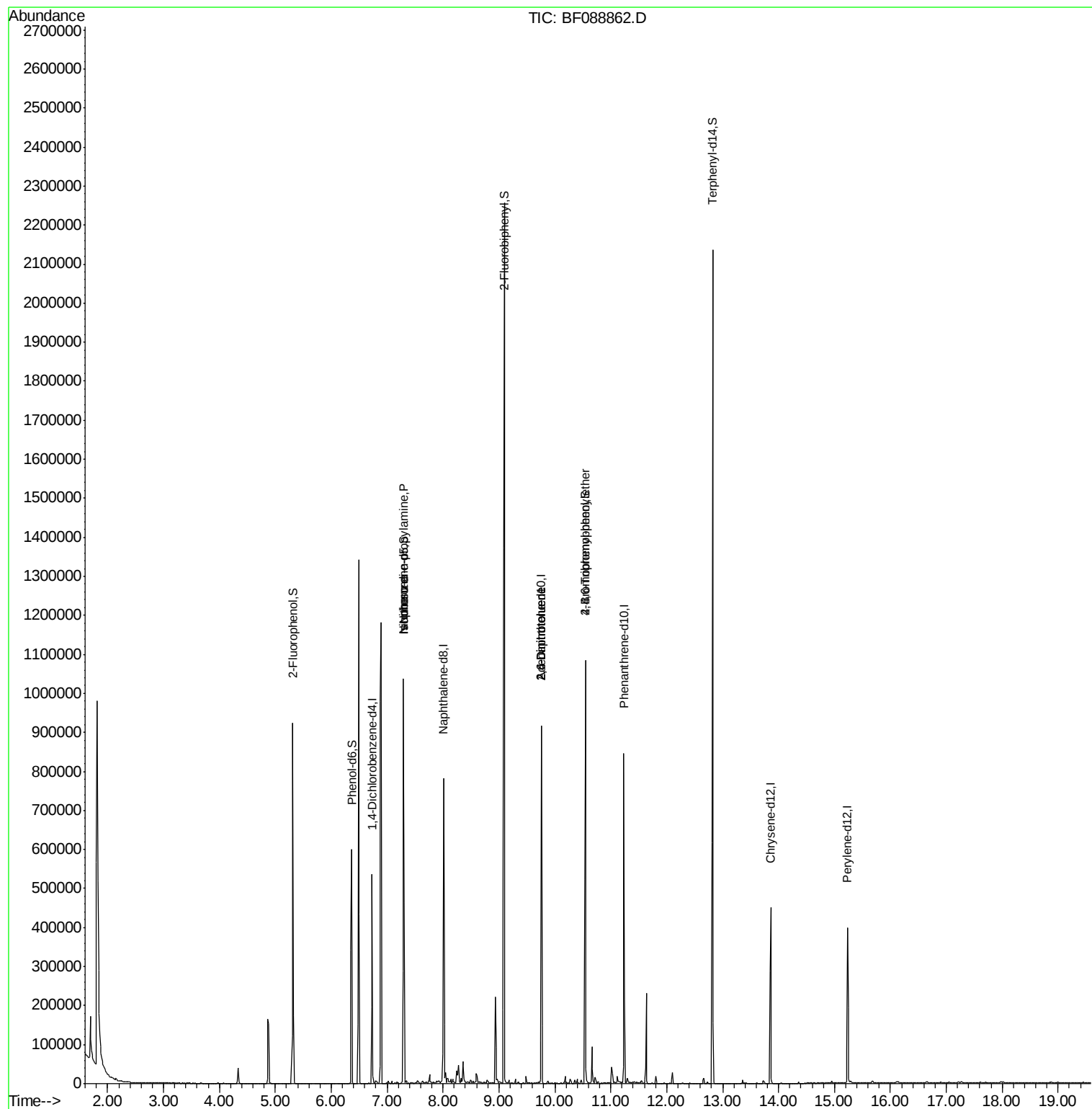
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	85794	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	332233	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	166612	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	294070	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	186978	20.00	ng	-0.01
86) Perylene-d12	15.23	264	176192	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	247148	43.17	ng	-0.01
7) Phenol-d6	6.36	99	255522	34.54	ng	-0.01
23) Nitrobenzene-d5	7.29	82	438547	69.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	143558	92.79	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	895031	84.85	ng	0.00
78) Terphenyl-d14	12.82	244	628995	74.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	58576	11.79	ng	# 73
25) Isophorone	7.29	82	366542	31.21	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	21037	8.00	ng	# 41
56) 2,4-Dinitrotoluene	9.76	165	21037	6.12	ng	# 39
66) 4-Bromophenyl-phenylether	10.55	248	10161	3.43	ng	# 1

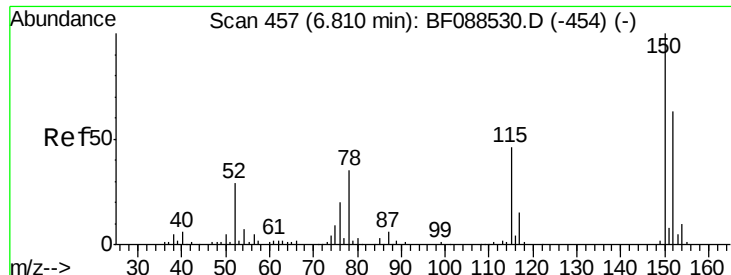
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Instrument :

BNA_F

ClientSampleId :

LOCATION-15A-9-11

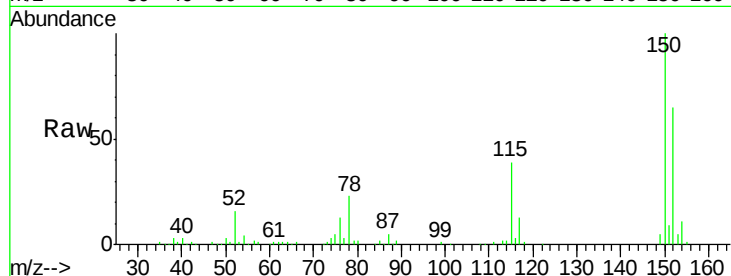
Tgt Ion:152 Resp: 85794

Ion Ratio Lower Upper

152 100

150 153.7 123.8 185.6

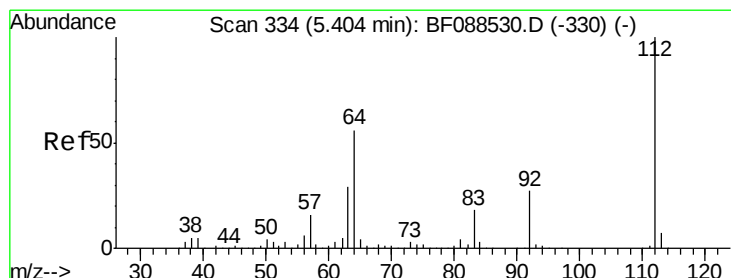
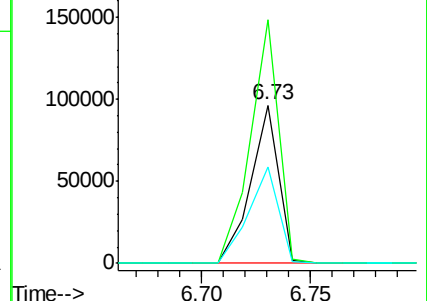
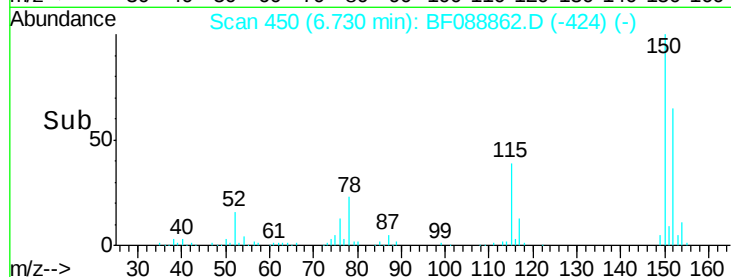
115 60.5 39.6 59.4#



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: 43.17 ng

RT: 5.31 min Scan# 326

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

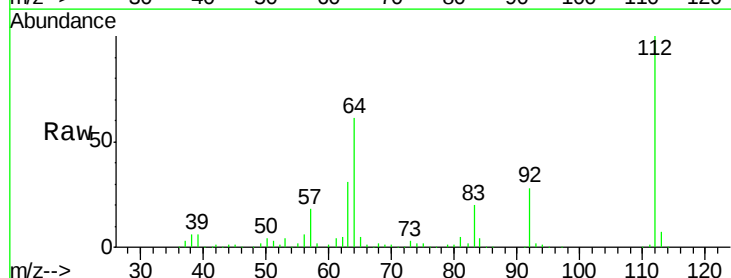
Tgt Ion:112 Resp: 247148

Ion Ratio Lower Upper

112 100

64 60.9 42.2 63.2

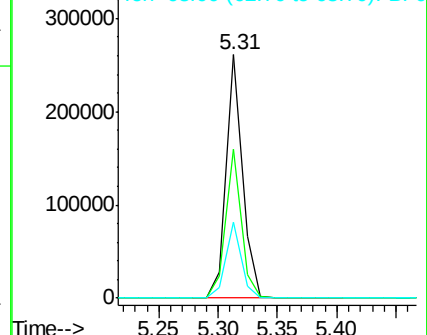
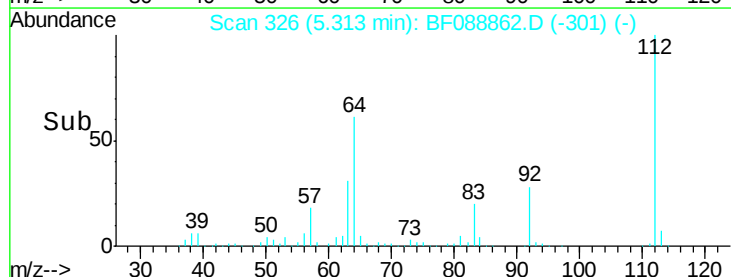
63 31.5 21.8 32.8



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: 34.54 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Instrument :

BNA_F

ClientSampleId :

LOCATION-15A-9-11

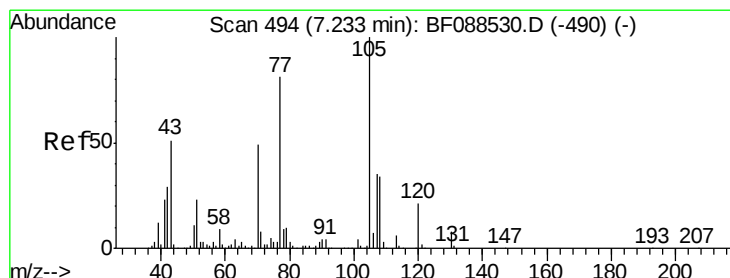
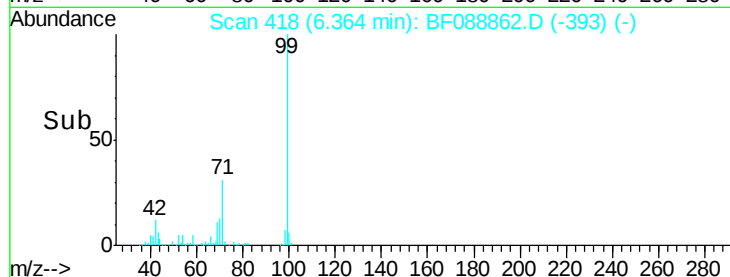
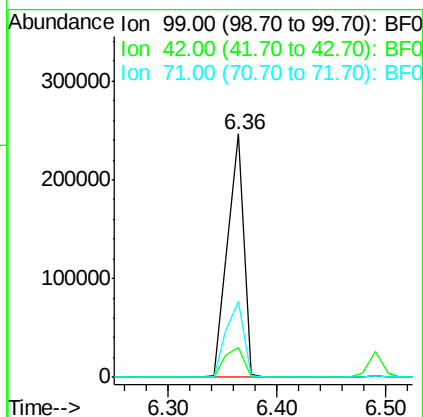
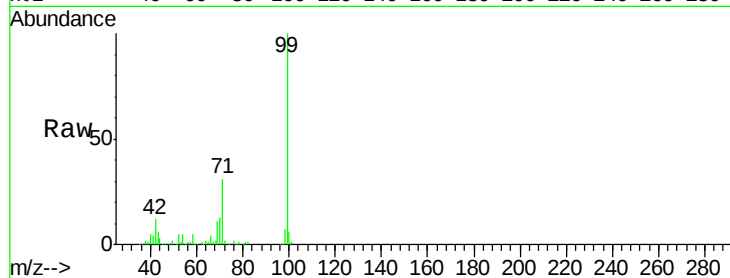
Tgt Ion: 99 Resp: 255522

Ion Ratio Lower Upper

99 100

42 12.2 12.2 18.2#

71 31.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.79 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.13 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Tgt Ion: 70 Resp: 58576

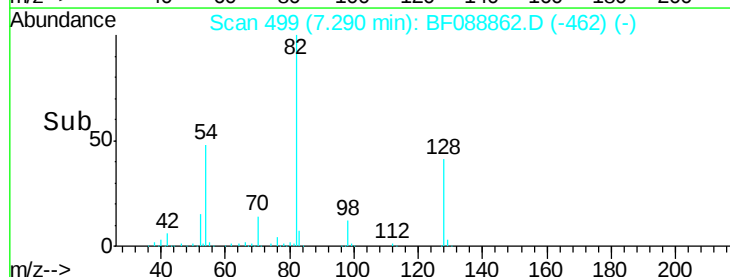
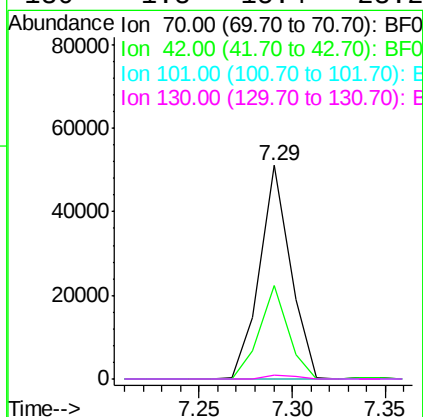
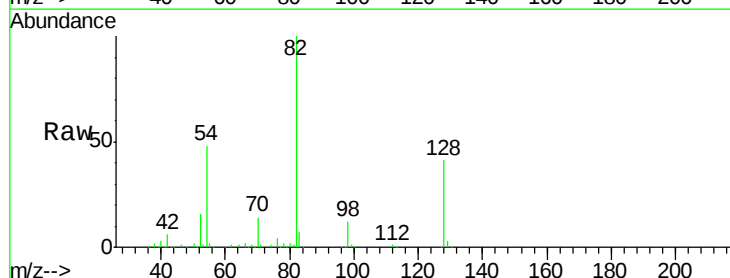
Ion Ratio Lower Upper

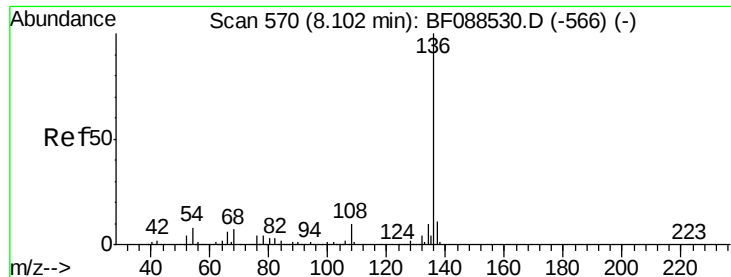
70 100

42 43.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Instrument :

BNA_F

ClientSampleId :

LOCATION-15A-9-11

Tgt Ion: 136 Resp: 332233

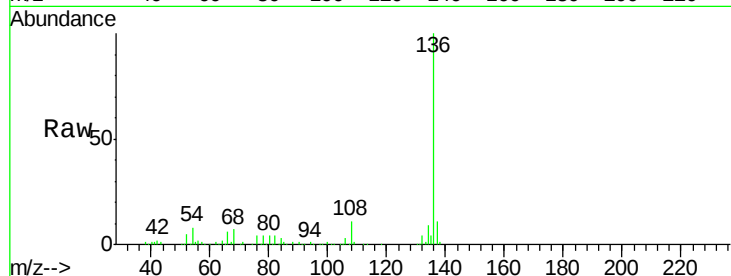
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.1 6.6 10.0

68 6.6 5.1 7.7

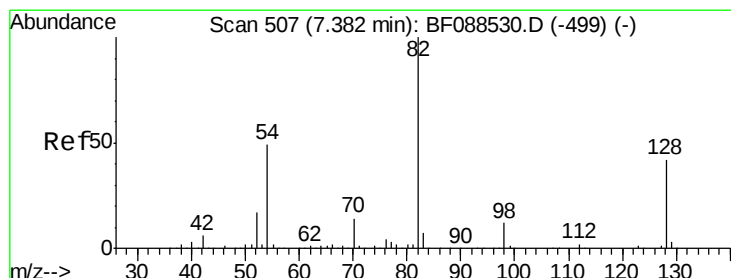
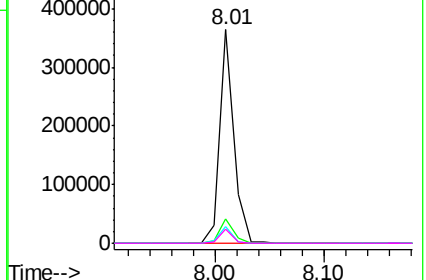
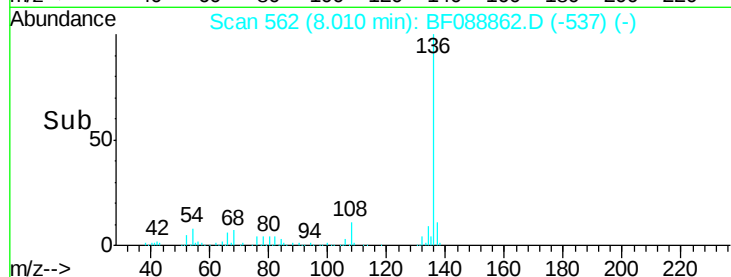


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.17 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

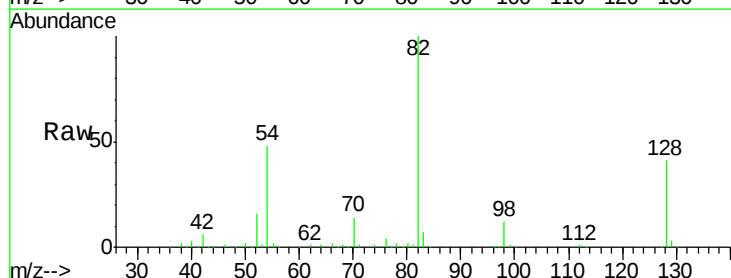
Tgt Ion: 82 Resp: 438547

Ion Ratio Lower Upper

82 100

128 40.5 35.9 53.9

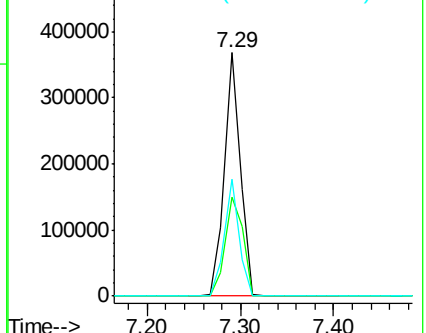
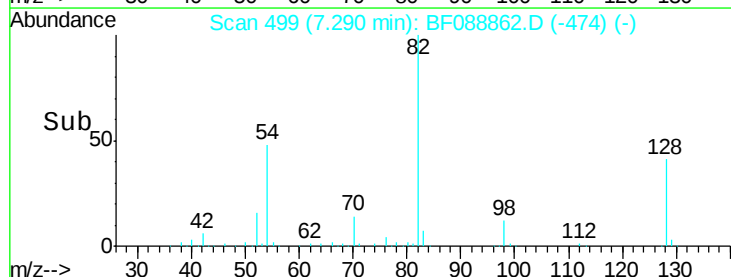
54 48.0 40.9 61.3

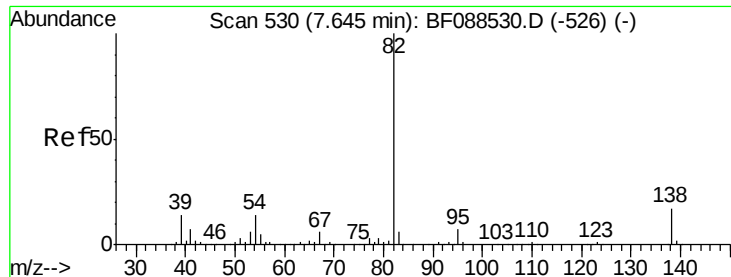


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.21 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.27 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Instrument :

BNA_F

ClientSampleId :

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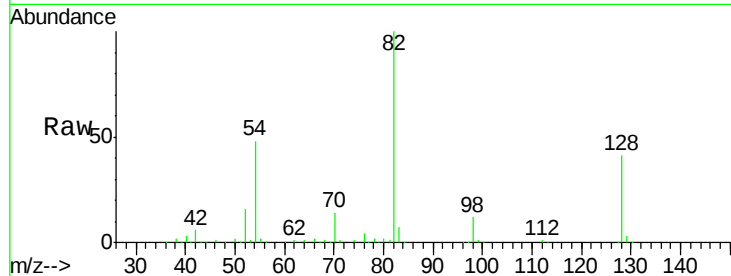
Tgt Ion: 82 Resp: 366542

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

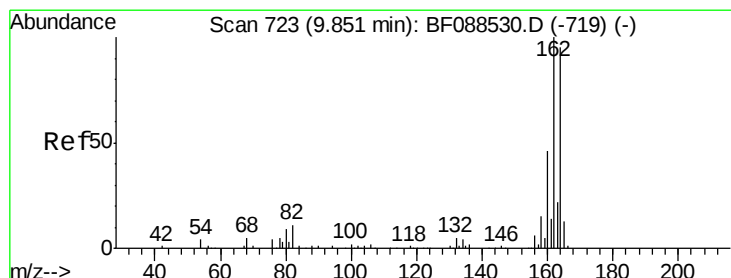
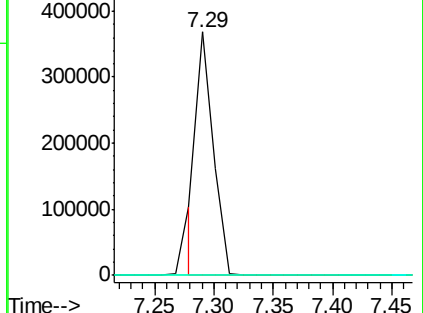
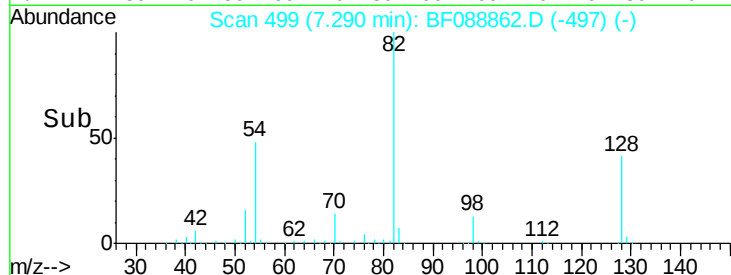
138 0.0 14.6 21.8#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

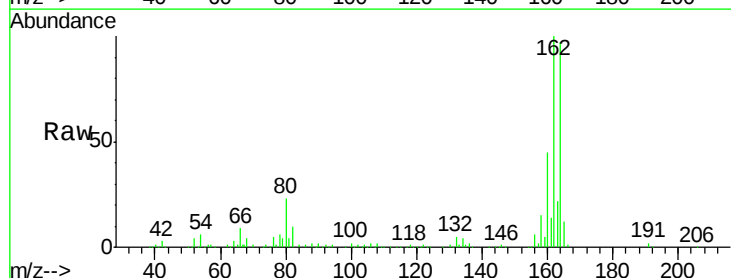
Tgt Ion: 164 Resp: 166612

Ion Ratio Lower Upper

164 100

162 103.1 85.4 128.2

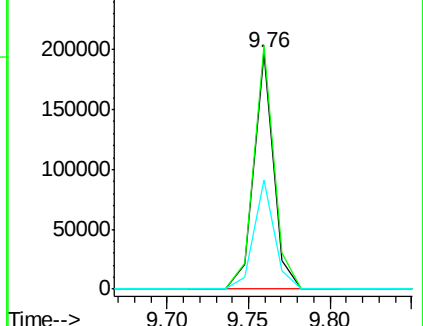
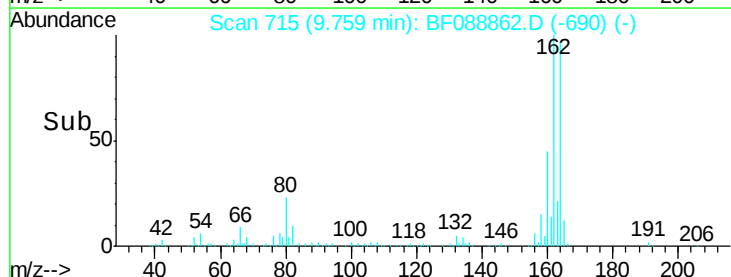
160 46.3 39.5 59.3

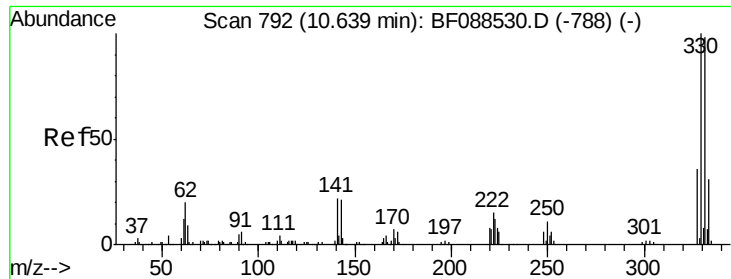


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

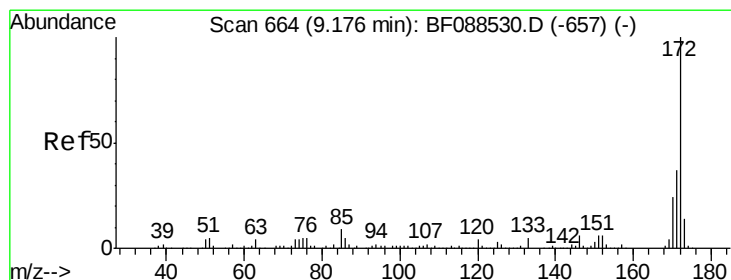
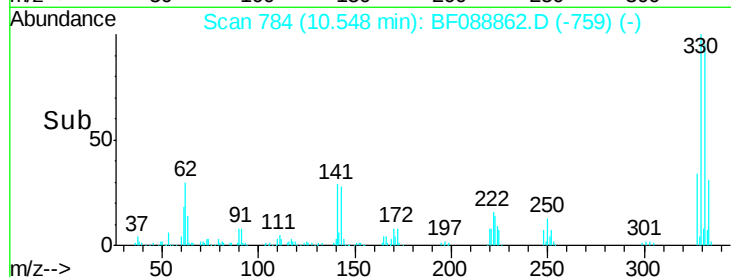
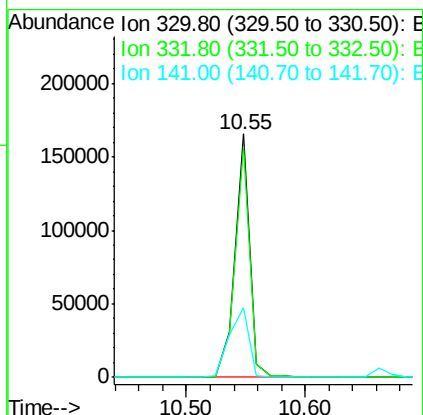
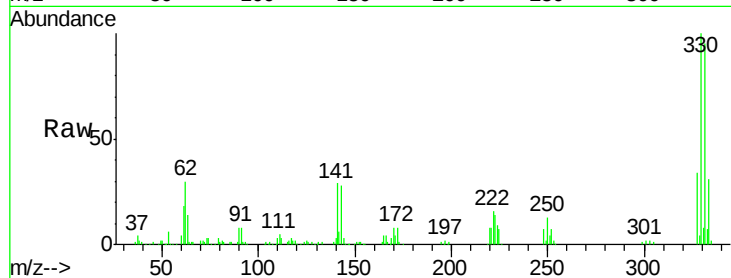




#41
 2,4,6-Tribromophenol
 Concen: 92.79 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

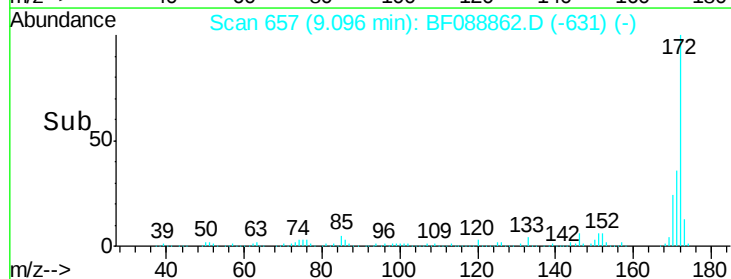
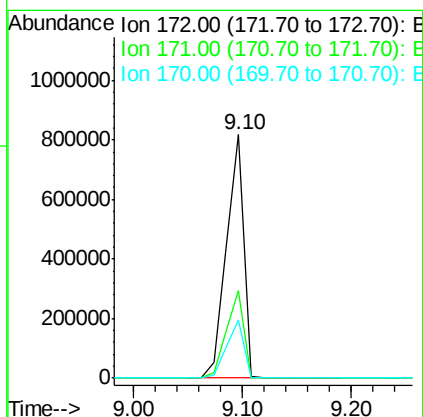
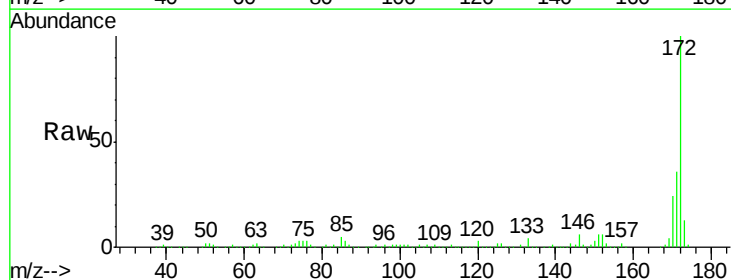
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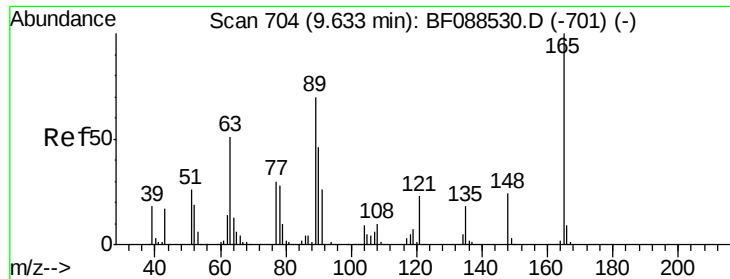
Tgt Ion: 330 Resp: 143558
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 38.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 84.85 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

Tgt Ion: 172 Resp: 895031
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 23.8 19.2 28.8

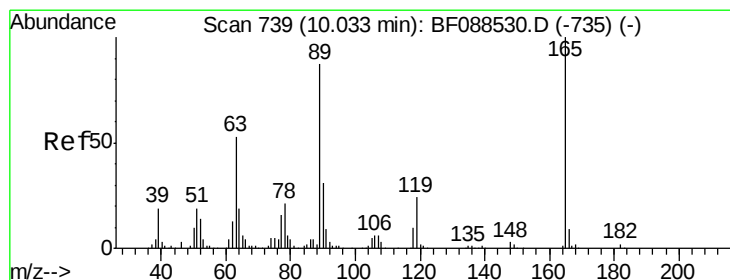
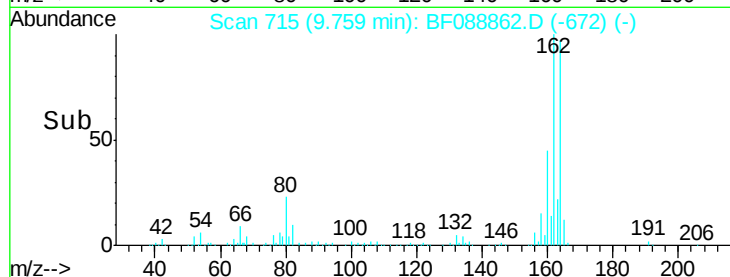
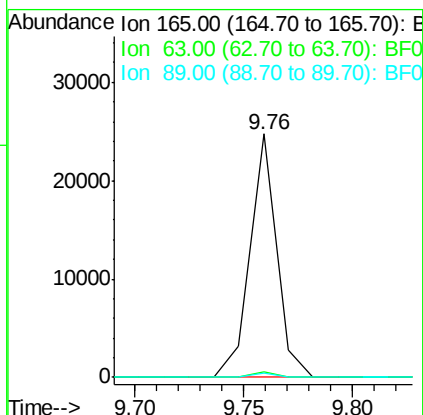
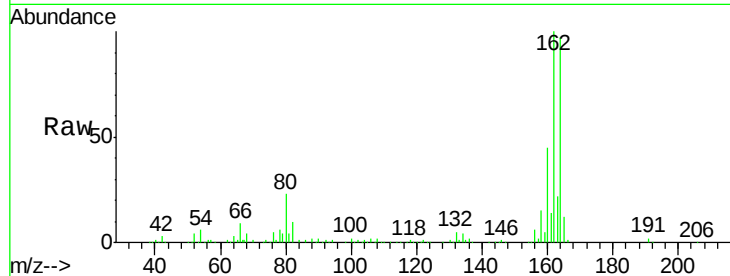




#50
 2,6-Dinitrotoluene
 Concen: 8.00 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

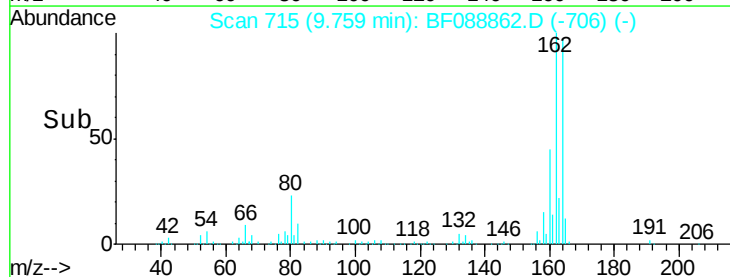
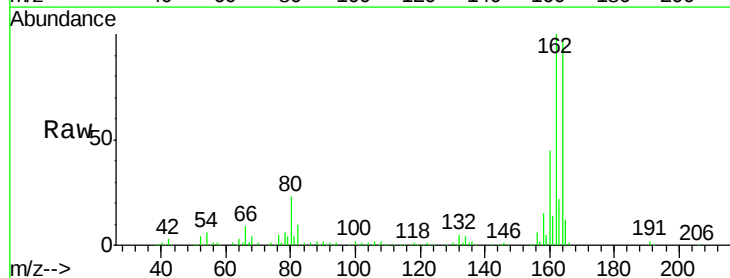
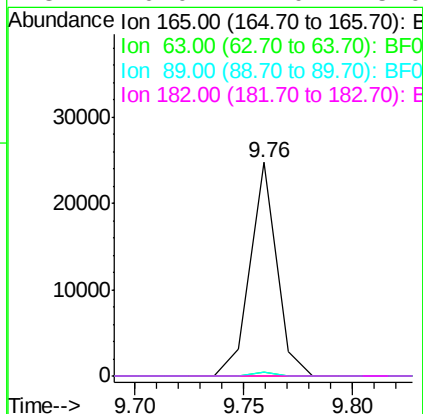
Instrument :
 BNA_F
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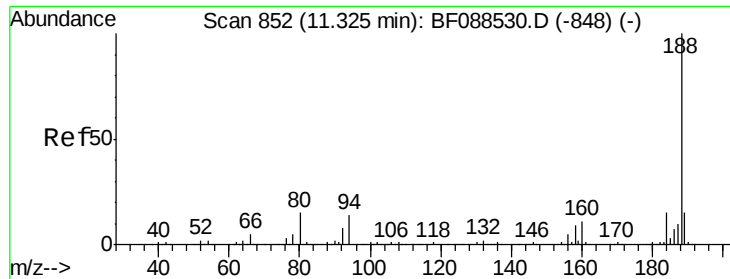
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	28.1	42.1#
89	1.9	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.12 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	22.0	33.0#
89	1.9	41.1	61.7#
182	0.0	2.0	3.0#

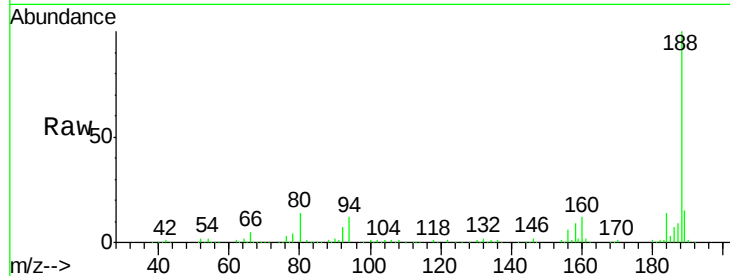




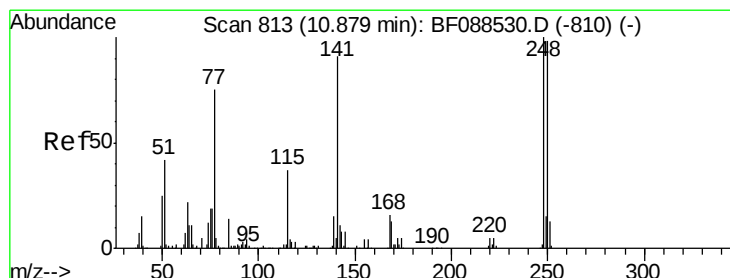
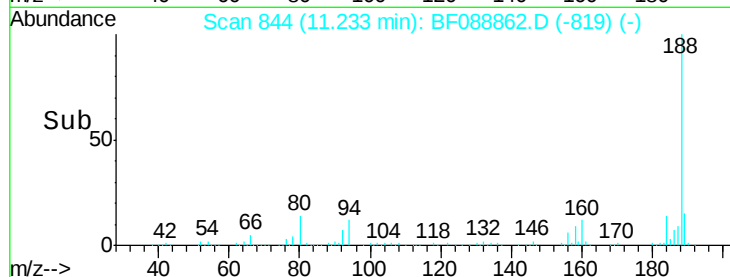
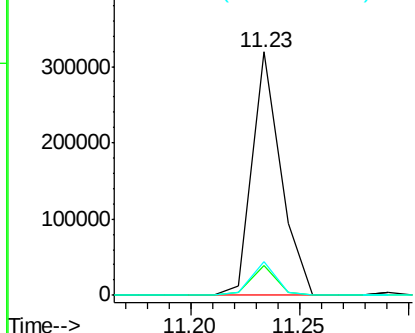
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-15A-9-11

Tgt Ion:188 Resp: 294070
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.0 13.6
 80 13.9 10.0 15.0

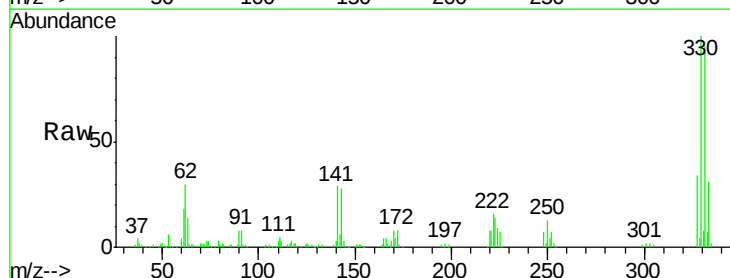


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

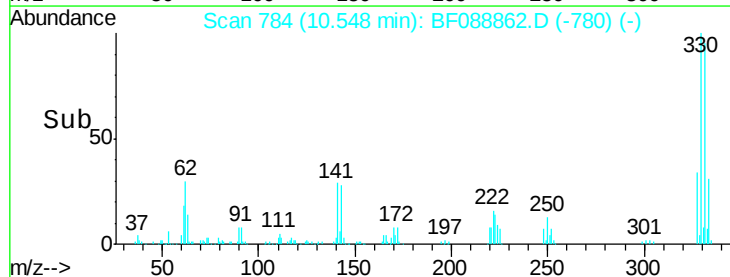
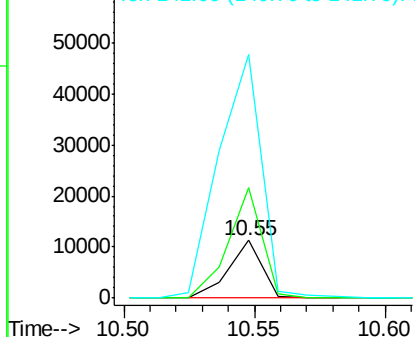


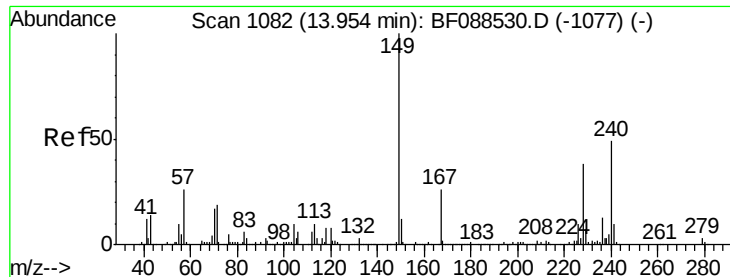
#66
 4-Bromophenyl-phenylether
 Concen: 3.43 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.25 min
 Lab File: BF088862.D
 Acq: 9 Jul 2016 9:29

Tgt Ion:248 Resp: 10161
 Ion Ratio Lower Upper
 248 100
 250 190.4 77.1 115.7#
 141 421.5 50.6 76.0#



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: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

Instrument :

BNA_F

ClientSampleId :

LOCATION-15A-9-11

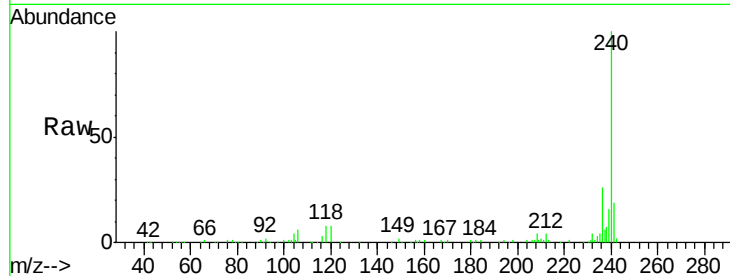
Tgt Ion:240 Resp: 186978

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

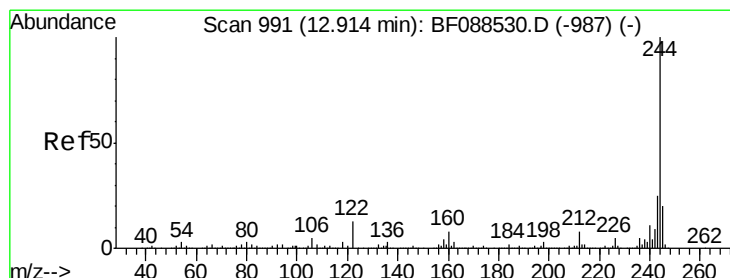
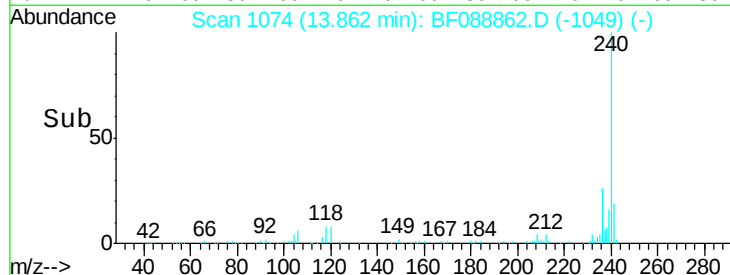
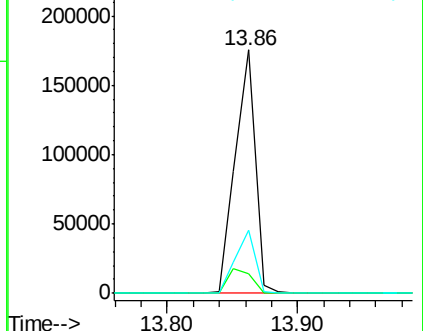
236 26.1 20.2 30.2



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: 74.93 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088862.D

Acq: 9 Jul 2016 9:29

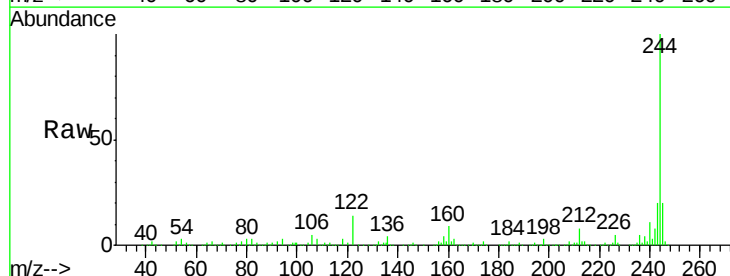
Tgt Ion:244 Resp: 628995

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

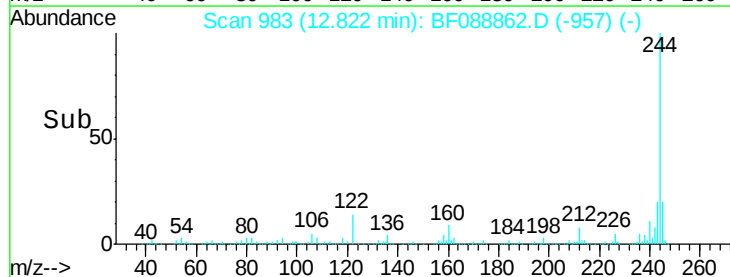
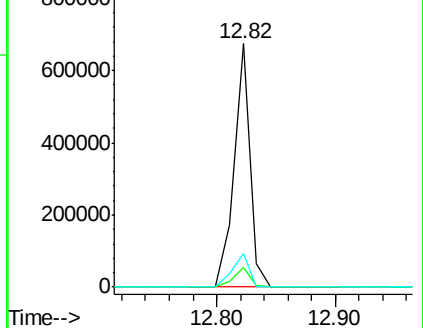
122 13.8 11.2 16.8

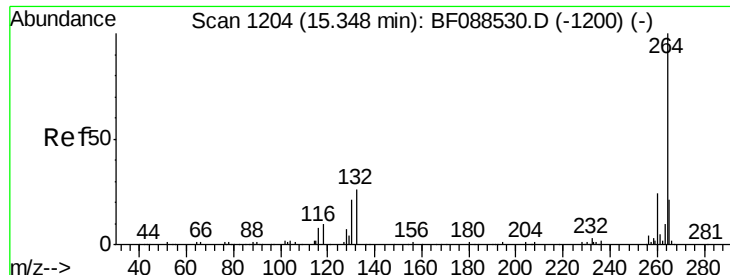


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

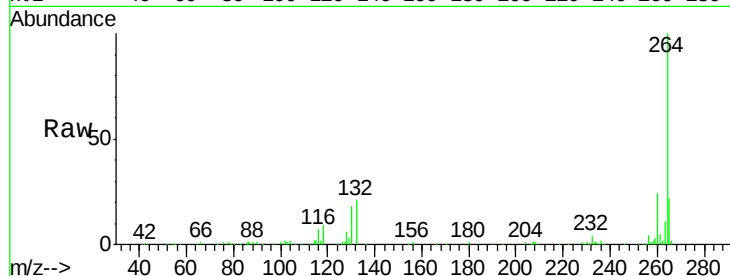




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088862.D
Acq: 9 Jul 2016 9:29

Instrument :
BNA_F
ClientSampleId :
LOCATION-15A-9-11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	16.9	25.3



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

