

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070816\
 Data File : BF088860.D
 Acq On : 9 Jul 2016 8:31
 Operator : UM/SJ
 Sample : H3884-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Quant Time: Jul 11 00:53:58 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

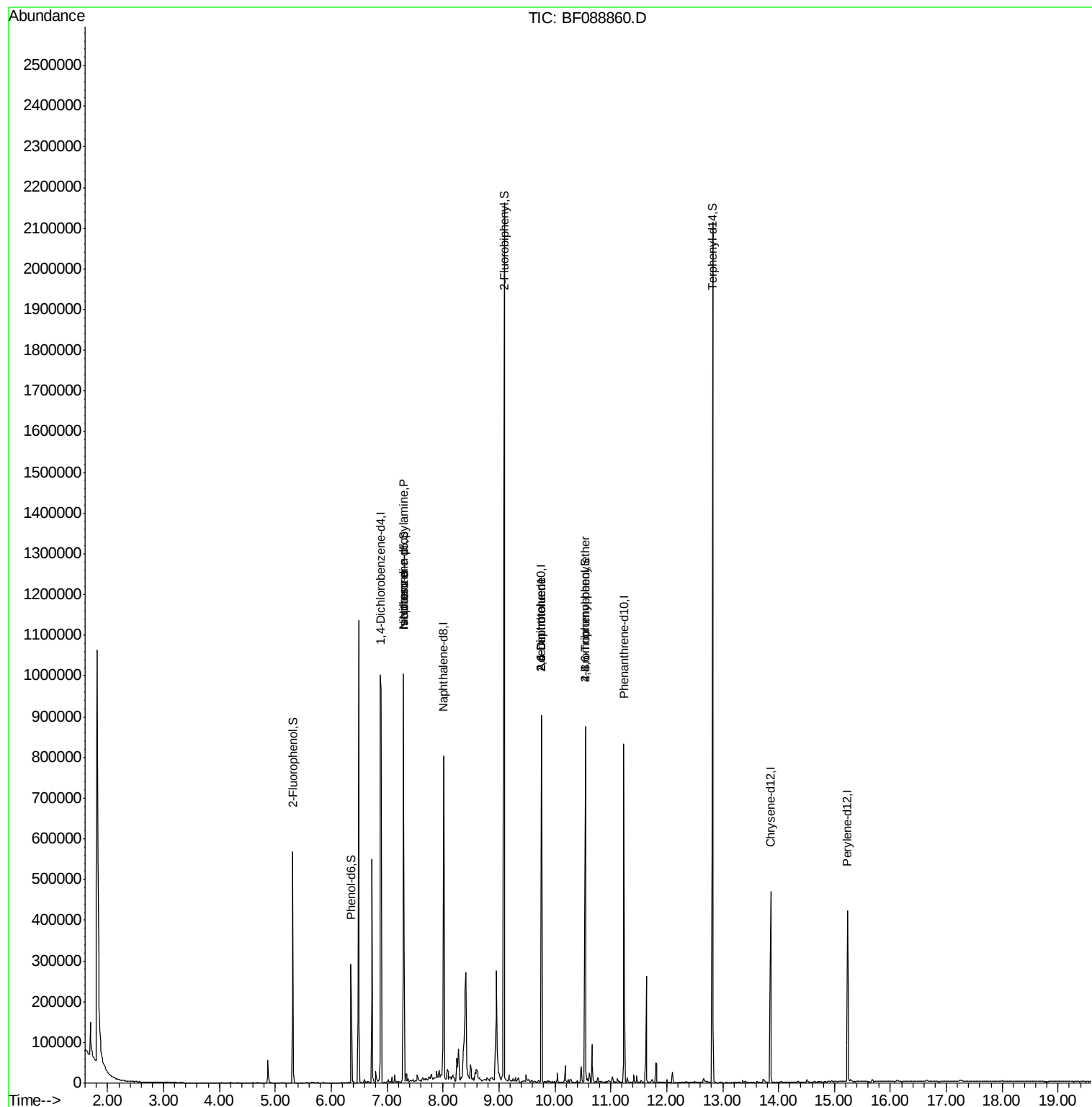
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	235815	20.00	ng	0.16
21) Naphthalene-d8	8.01	136	330085	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	160205	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	290839	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	189015	20.00	ng	-0.01
86) Perylene-d12	15.23	264	176083	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	164397	10.45	ng	-0.01
7) Phenol-d6	6.35	99	124684	6.13	ng	-0.02
23) Nitrobenzene-d5	7.29	82	393981	62.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	118134	79.41	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	834978	82.33	ng	0.00
78) Terphenyl-d14	12.82	244	602043	70.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	52184	3.82	ng	# 73
25) Isophorone	7.29	82	325234	27.88	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	21005	8.30	ng	# 41
56) 2,4-Dinitrotoluene	9.76	165	21005	6.35	ng	# 39
66) 4-Bromophenyl-phenylether	10.55	248	7797	2.66	ng	# 1

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

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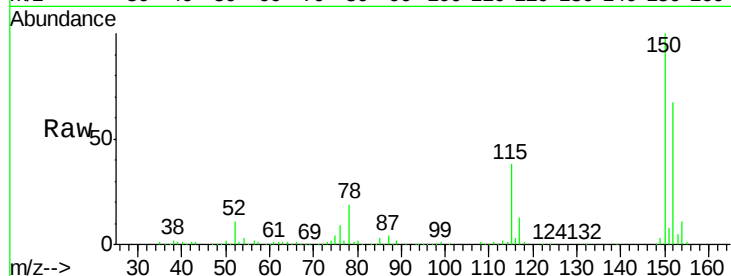




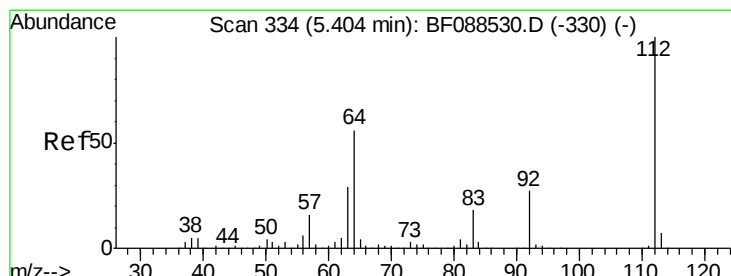
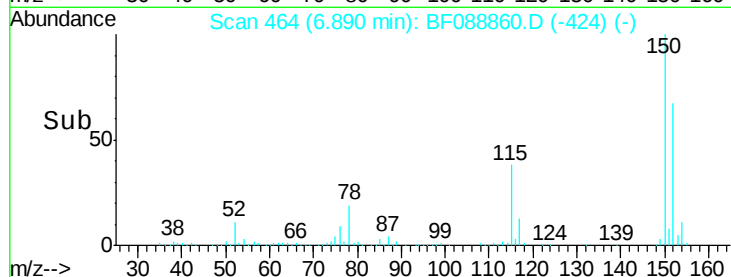
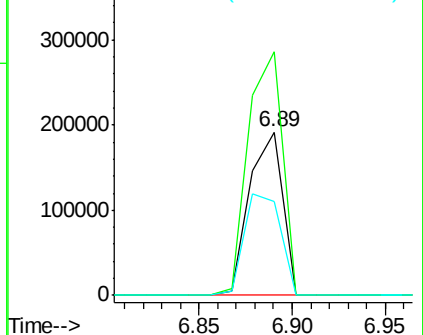
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 464
 Delta R.T. 0.16 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Tgt Ion:152 Resp: 235815
 Ion Ratio Lower Upper
 152 100
 150 149.3 123.8 185.6
 115 57.4 39.6 59.4

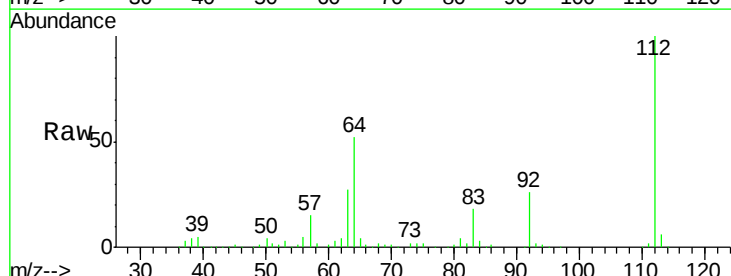


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

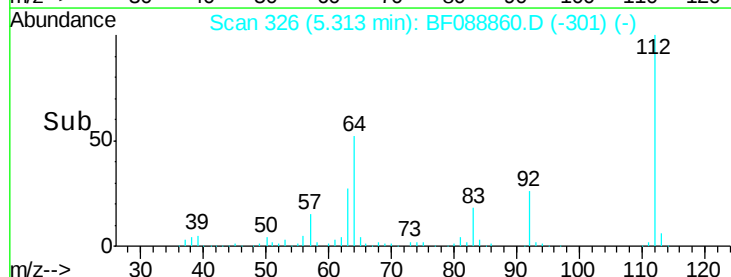
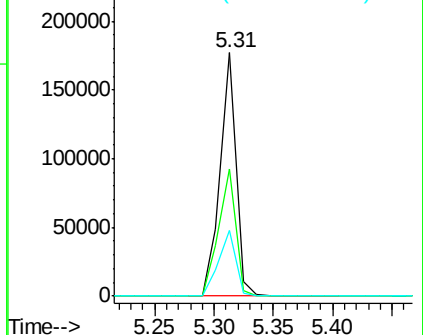


#5
 2-Fluorophenol
 Concen: 10.45 ng
 RT: 5.31 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

Tgt Ion:112 Resp: 164397
 Ion Ratio Lower Upper
 112 100
 64 52.1 42.2 63.2
 63 26.8 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: 6.13 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

Instrument :

BNA_F

ClientSampled :

LOCATION-19A

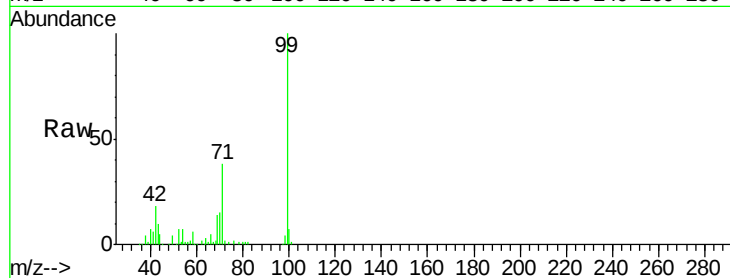
Tgt Ion: 99 Resp: 124684

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

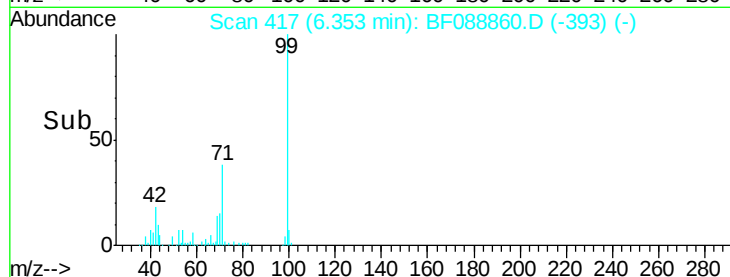
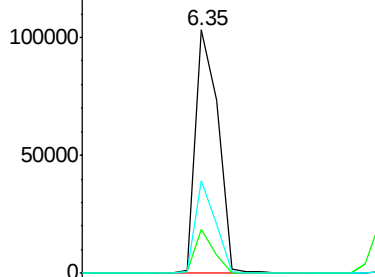
71 38.0 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.82 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.13 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

Tgt Ion: 70 Resp: 52184

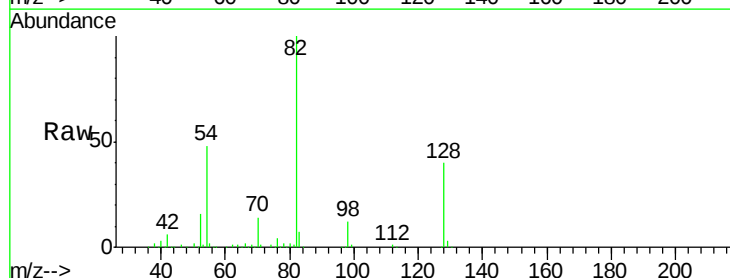
Ion Ratio Lower Upper

70 100

42 43.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#

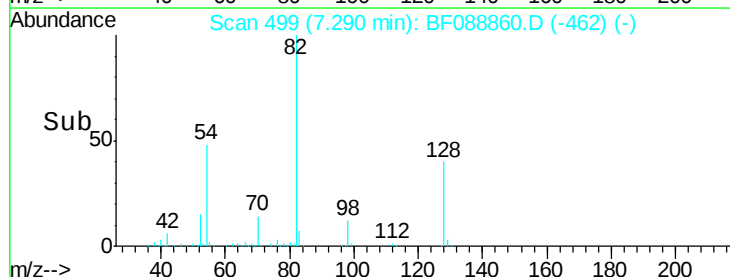
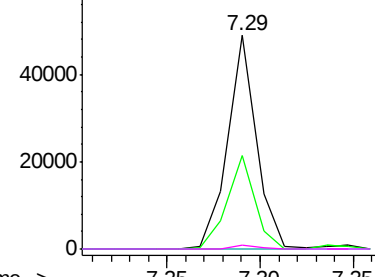


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

Tgt Ion: 136 Resp: 330085

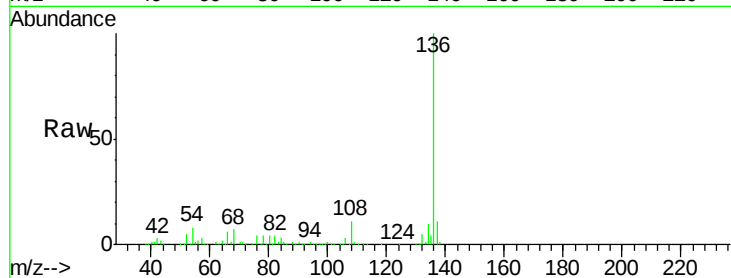
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.3 6.6 10.0

68 6.6 5.1 7.7

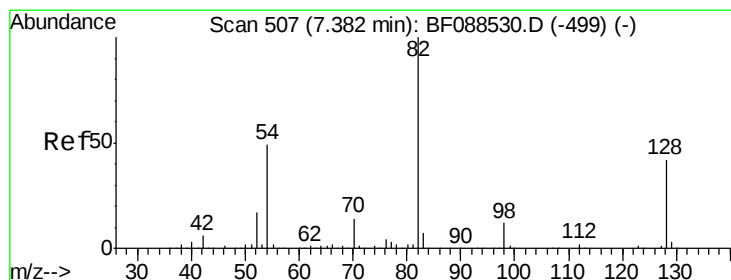
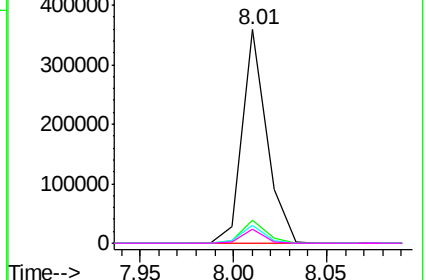
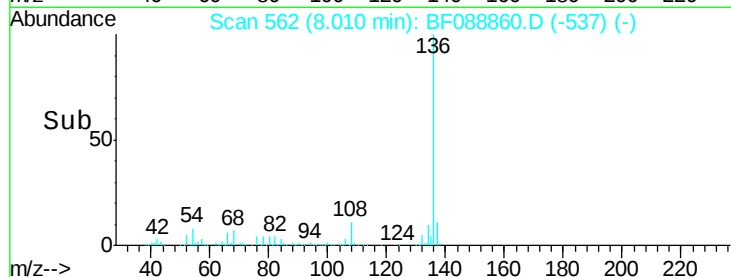


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.55 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

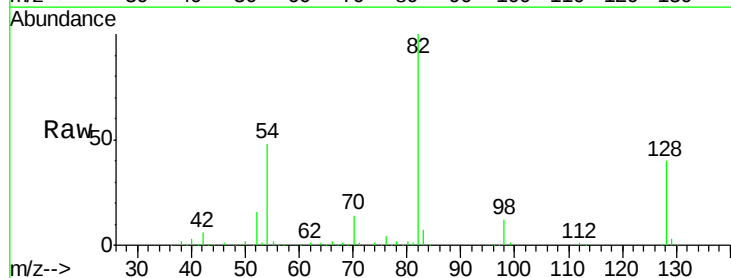
Tgt Ion: 82 Resp: 393981

Ion Ratio Lower Upper

82 100

128 40.3 35.9 53.9

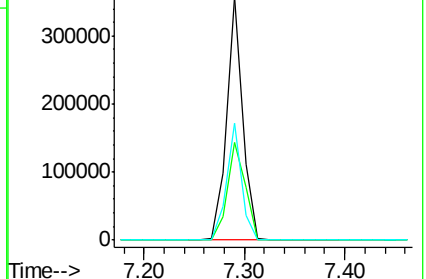
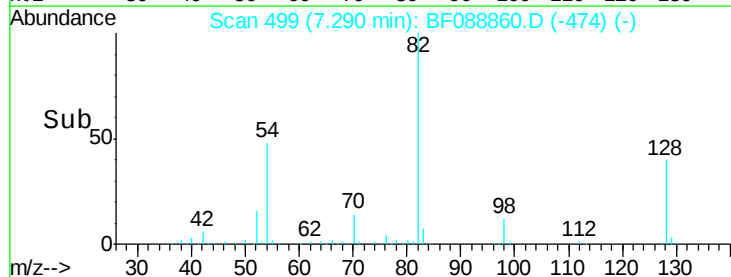
54 48.0 40.9 61.3

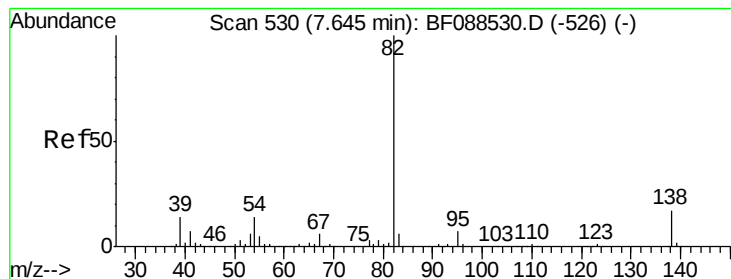


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.88 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.27 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

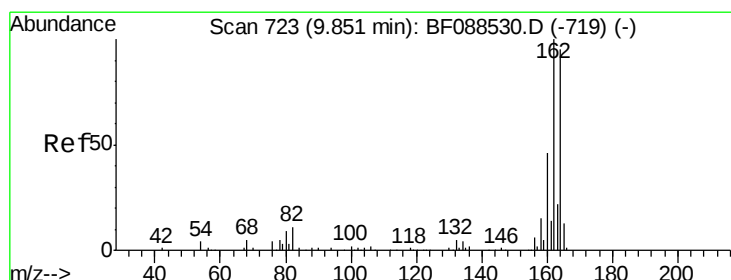
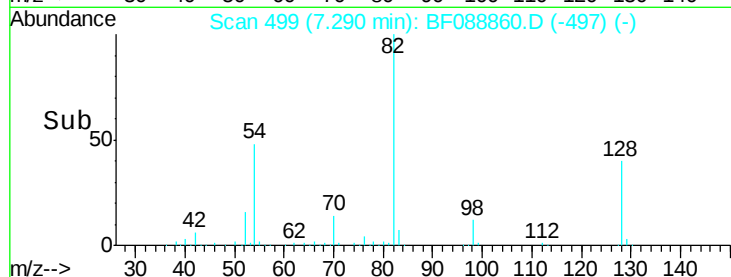
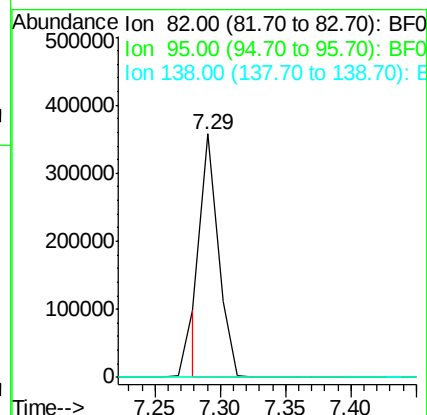
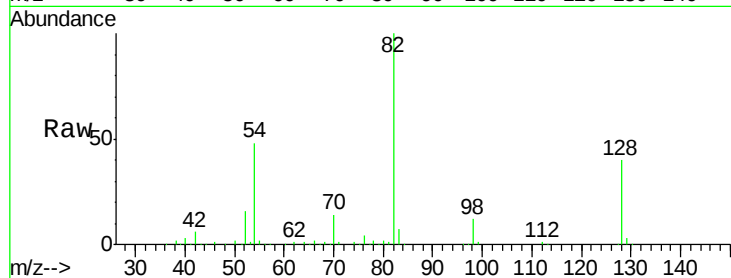
Tgt Ion: 82 Resp: 325234

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

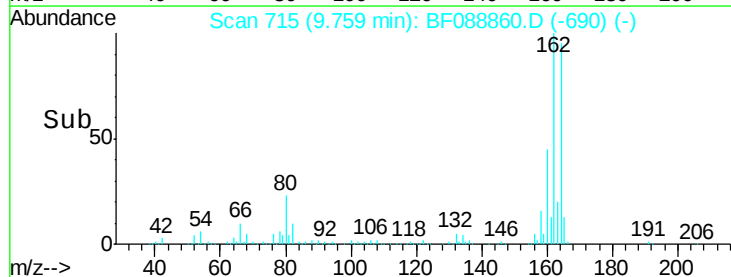
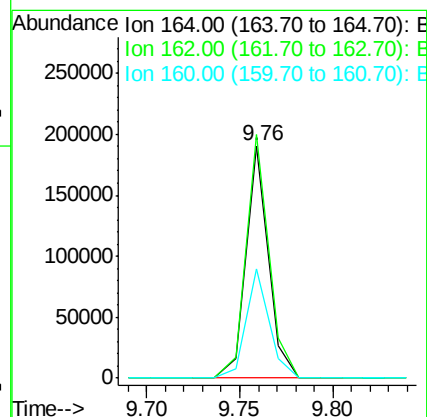
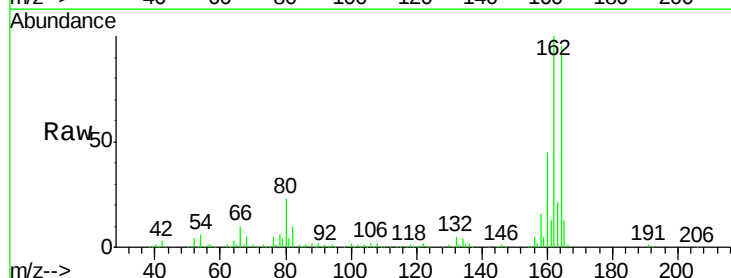
Tgt Ion: 164 Resp: 160205

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

160 47.1 39.5 59.3

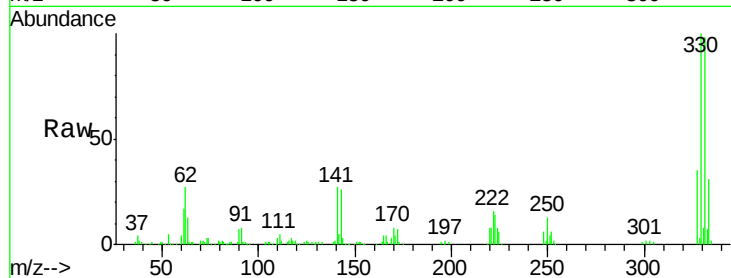




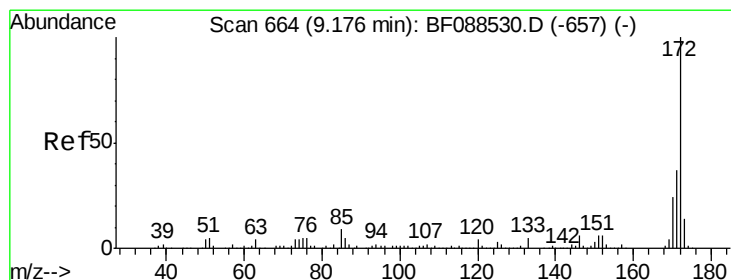
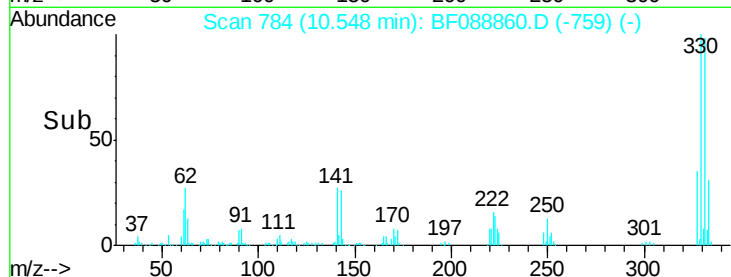
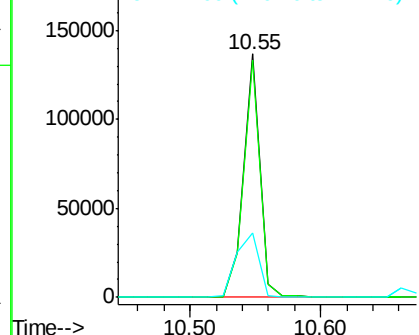
#41
 2,4,6-Tribromophenol
 Concen: 79.41 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	37.1	0.0	0.0#

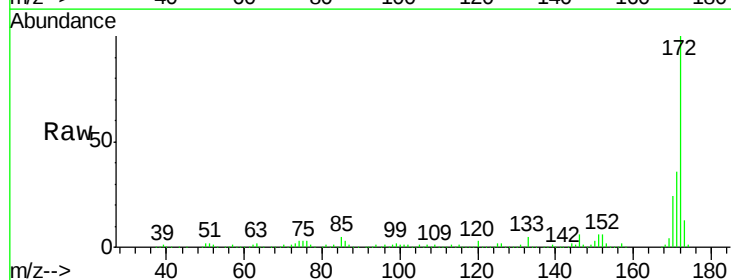


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

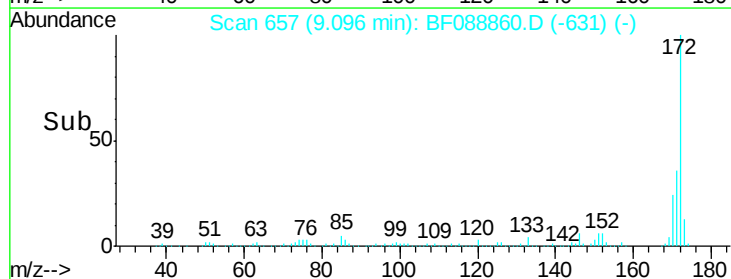
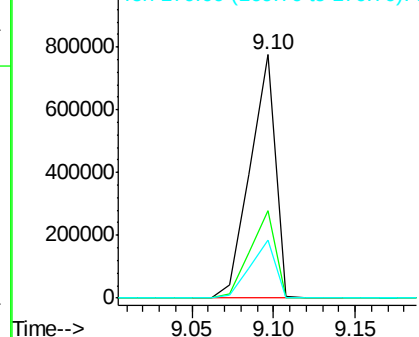


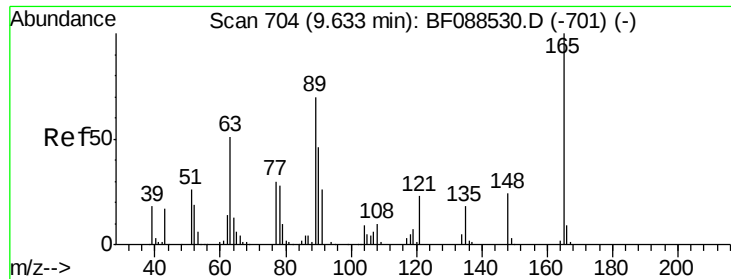
#44
 2-Fluorobiphenyl
 Concen: 82.33 ng
 RT: 9.10 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.9	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

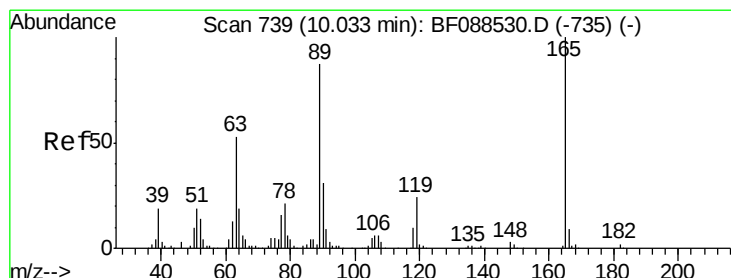
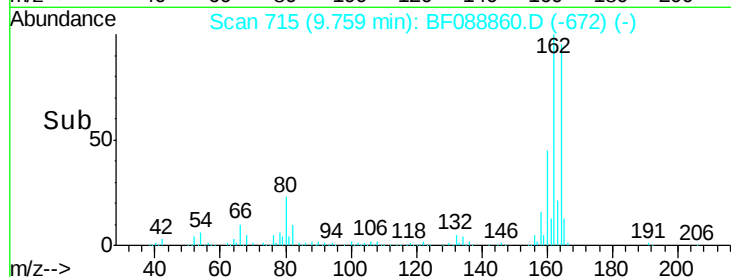
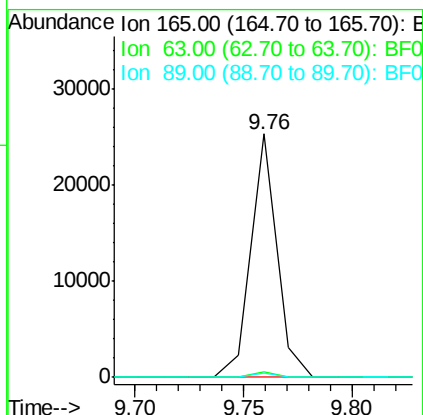
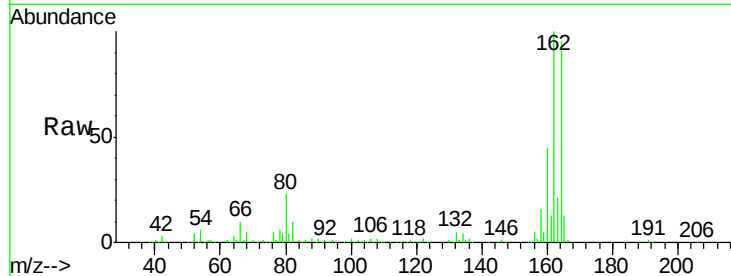




#50
 2,6-Dinitrotoluene
 Concen: 8.30 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

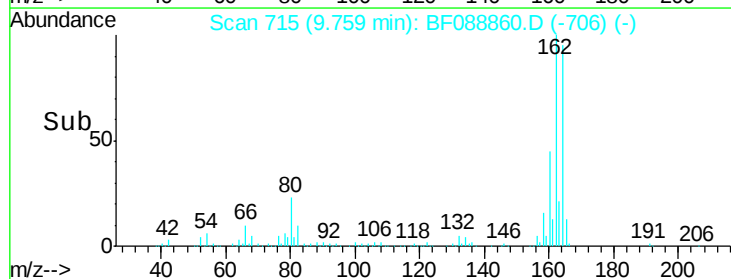
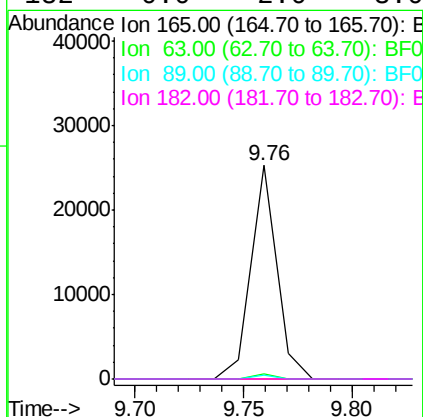
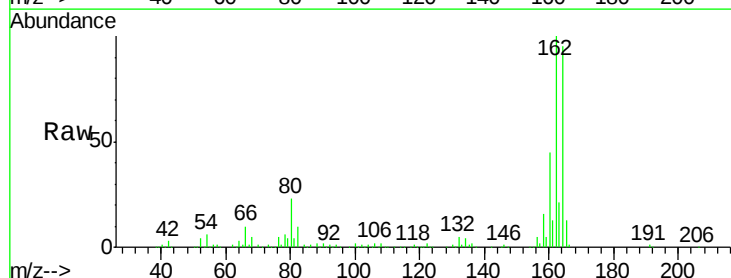
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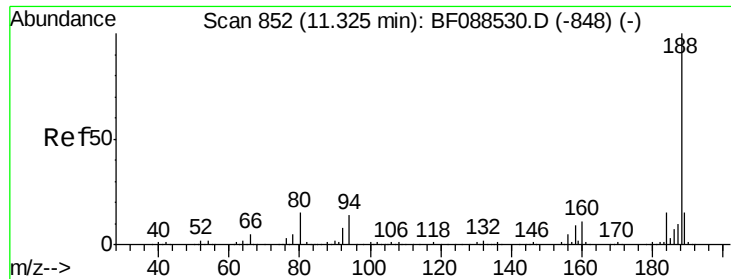
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	28.1	42.1#
89	2.0	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088860.D
 Acq: 9 Jul 2016 8:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	22.0	33.0#
89	2.0	41.1	61.7#
182	0.0	2.0	3.0#

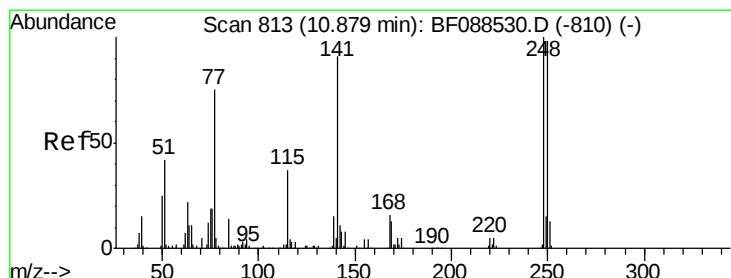
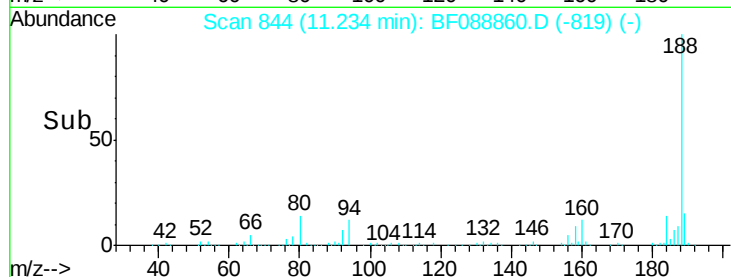
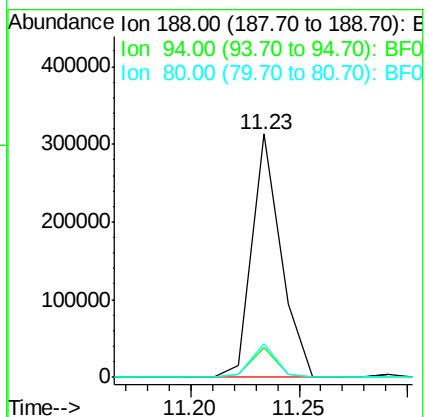
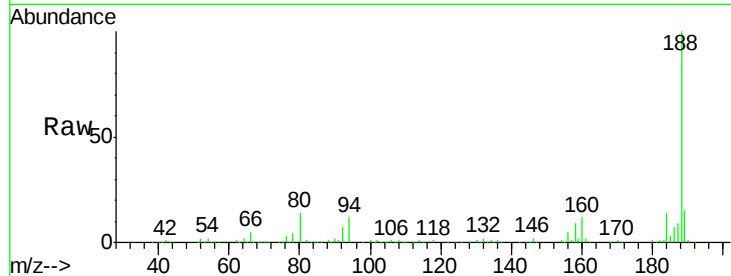




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088860.D
Acq: 9 Jul 2016 8:31

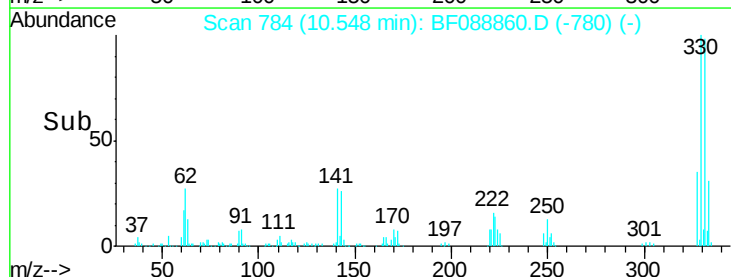
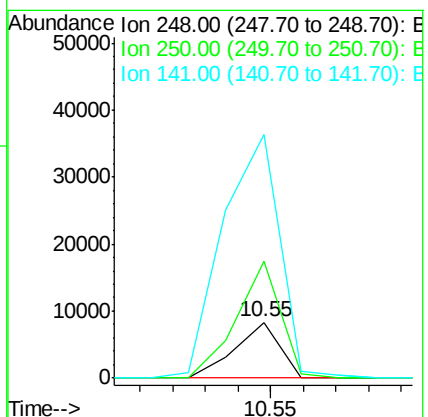
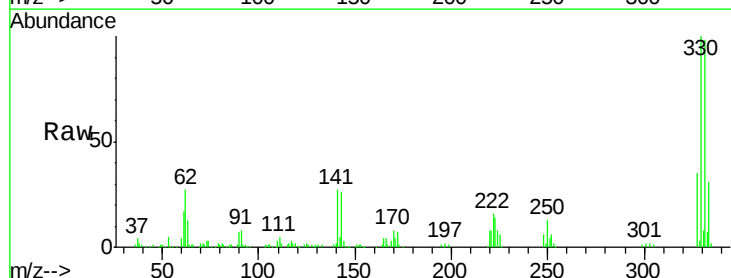
Instrument :
BNA_F
ClientSampleId :
LOCATION-19A

Tgt Ion:188 Resp: 290839
Ion Ratio Lower Upper
188 100
94 12.1 9.0 13.6
80 13.9 10.0 15.0



#66
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.55 min Scan# 784
Delta R.T. -0.25 min
Lab File: BF088860.D
Acq: 9 Jul 2016 8:31

Tgt Ion:248 Resp: 7797
Ion Ratio Lower Upper
248 100
250 209.8 77.1 115.7#
141 437.8 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

Instrument :

BNA_F

ClientSampleId :

LOCATION-19A

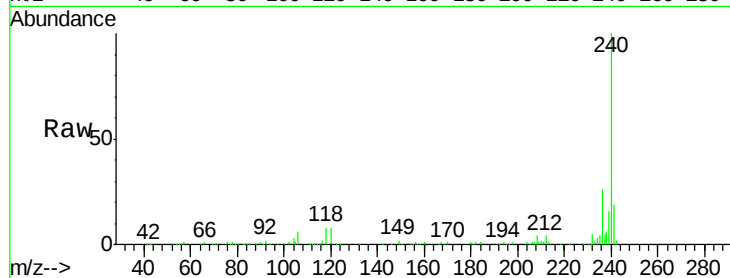
Tgt Ion:240 Resp: 189015

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

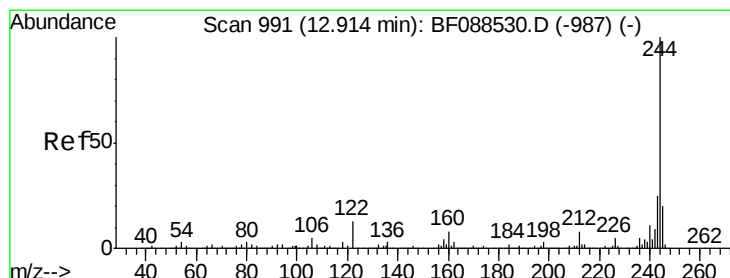
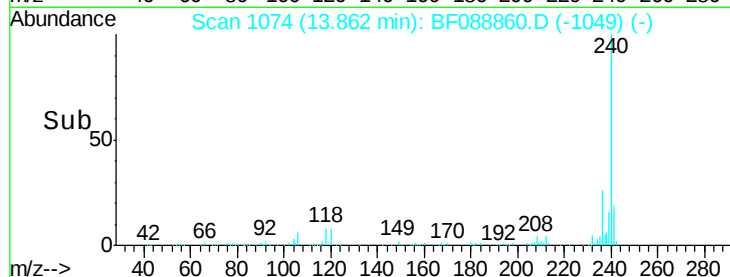
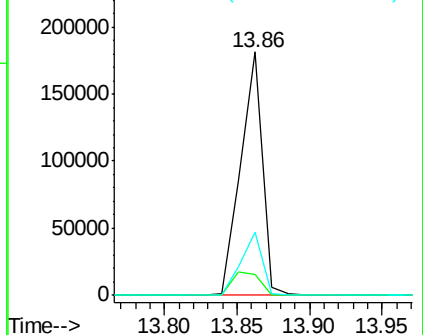
236 25.7 20.2 30.2



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: 70.94 ng

RT: 12.82 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF088860.D

Acq: 9 Jul 2016 8:31

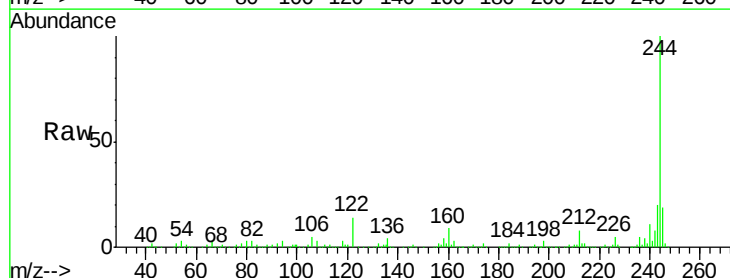
Tgt Ion:244 Resp: 602043

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

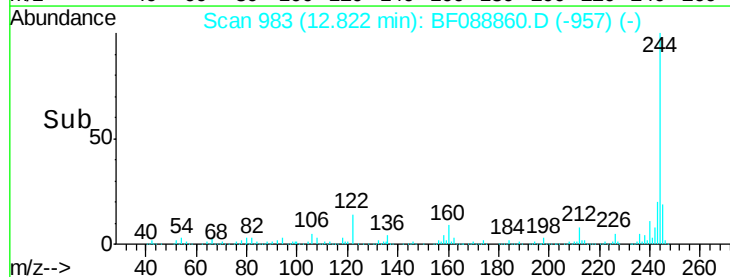
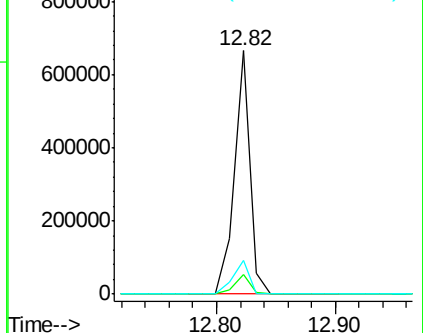
122 13.8 11.2 16.8

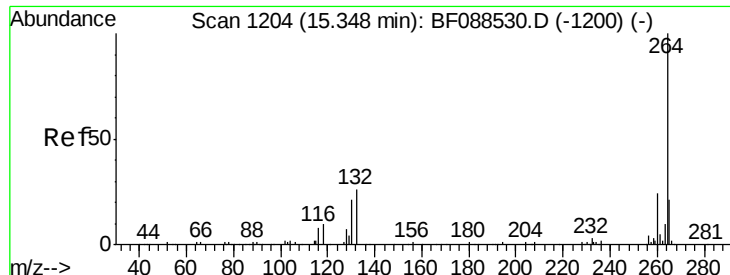


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF088860.D
 Acq: 9 Jul 2016 8:31

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-19A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.2	16.9	25.3

