

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089210.D
 Acq On : 23 Jul 2016 00:04
 Operator : UM/SJ
 Sample : H4152-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-12.5-13.5

Quant Time: Jul 25 00:55:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

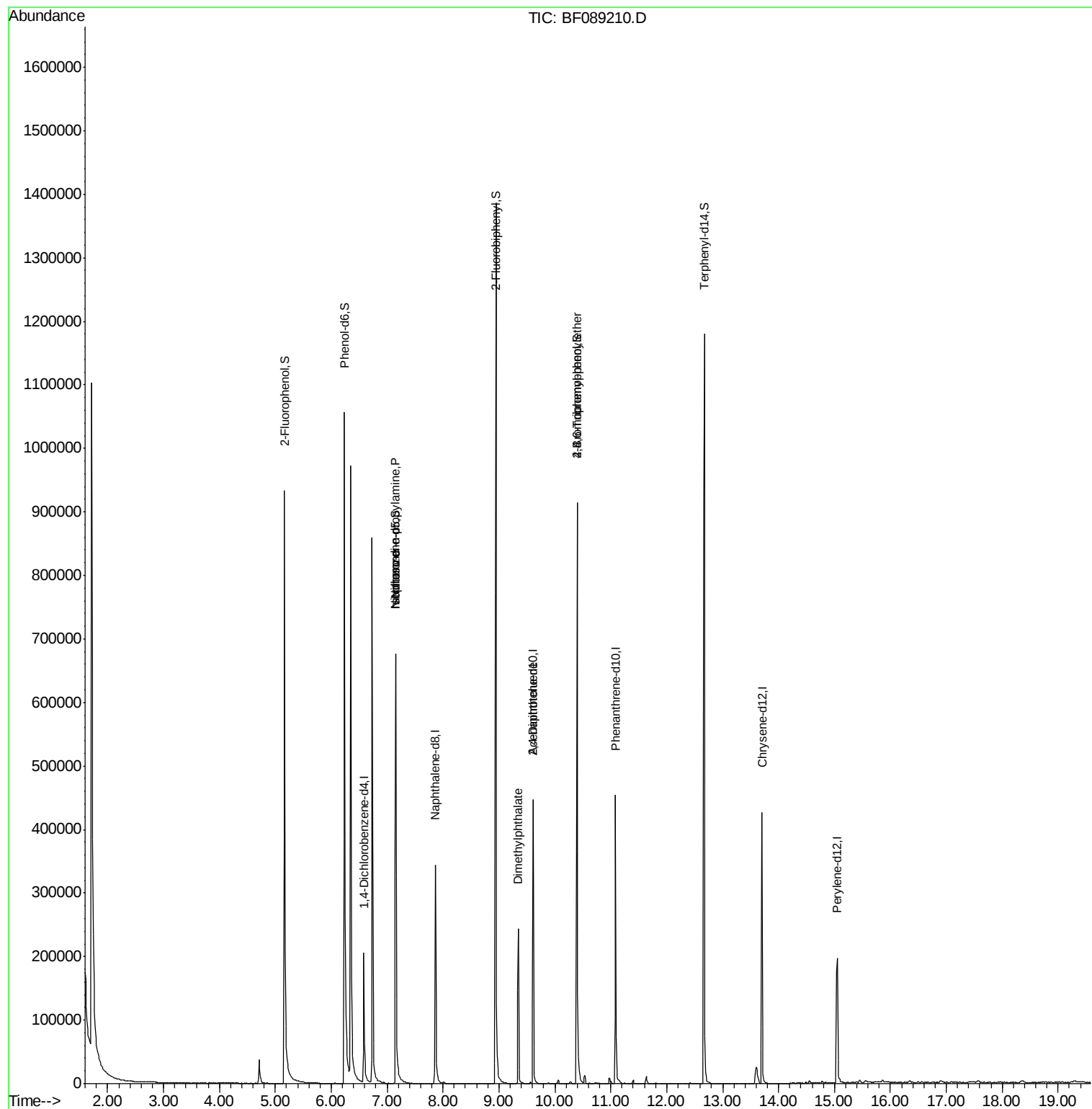
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46021	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	200247	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	96919	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	194380	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	151001	20.00	ng	-0.02
86) Perylene-d12	15.05	264	111188	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	381812	126.18	ng	-0.02
7) Phenol-d6	6.24	99	518580	132.90	ng	-0.03
23) Nitrobenzene-d5	7.15	82	328760	87.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	110656	126.81	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	587828	83.57	ng	-0.02
78) Terphenyl-d14	12.67	244	515175	74.00	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.24	77	365	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	43435	17.02 ng	#	78
25) Isophorone	7.15	82	245730	35.38 ng	#	66
49) Dimethylphthalate	9.35	163	143709	19.32 ng		100
56) 2,4-Dinitrotoluene	9.61	165	11818	5.46 ng	#	10
66) 4-Bromophenyl-phenylether	10.40	248	8757	4.55 ng	#	1

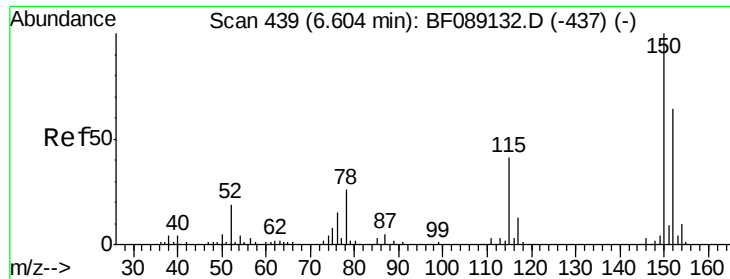
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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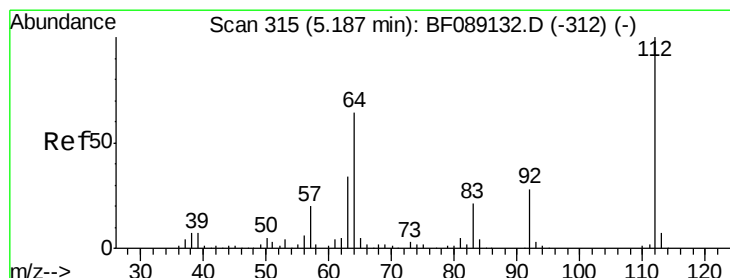
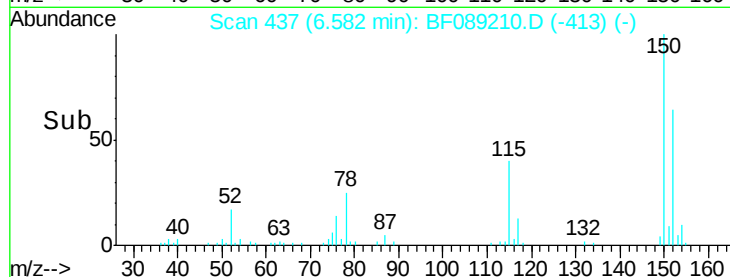
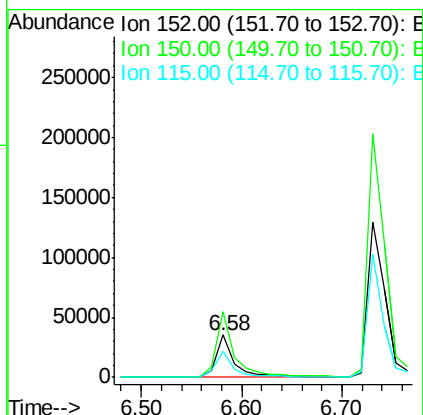
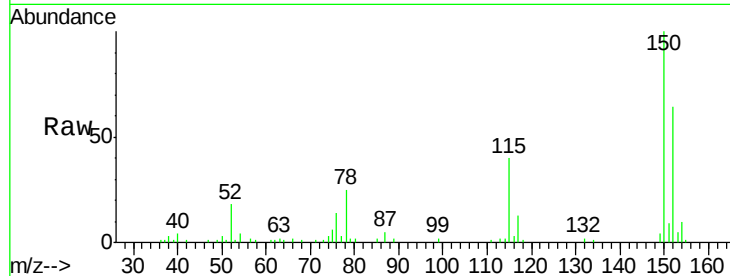




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.02 min
 Lab File: BF089210.D
 Acq: 23 Jul 2016 00:04

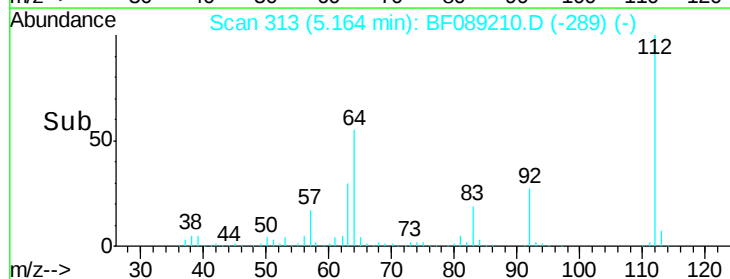
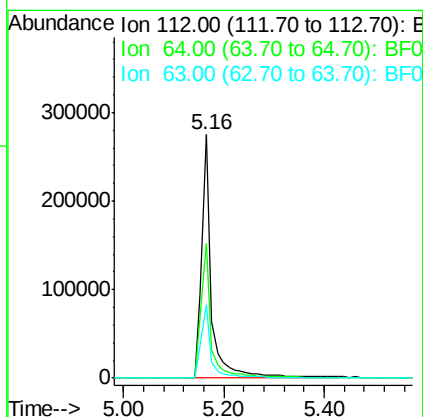
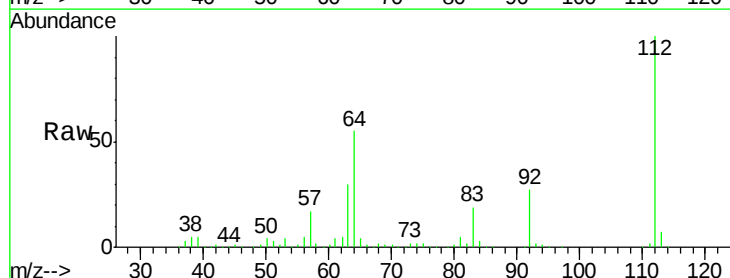
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-12.5-13.5

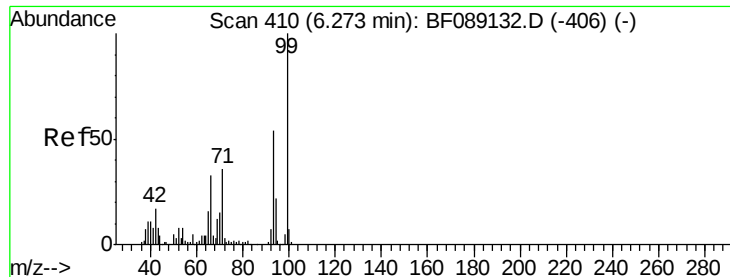
Tgt Ion:152 Resp: 46021
 Ion Ratio Lower Upper
 152 100
 150 155.1 125.1 187.7
 115 62.7 51.1 76.7



#5
 2-Fluorophenol
 Concen: 126.18 ng
 RT: 5.16 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: BF089210.D
 Acq: 23 Jul 2016 00:04

Tgt Ion:112 Resp: 381812
 Ion Ratio Lower Upper
 112 100
 64 55.4 51.0 76.4
 63 30.0 27.3 40.9





#7

Phenol-d6

Concen: 132.90 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Instrument :

BNA_F

ClientSampleId :

SB-15-12.5-13.5

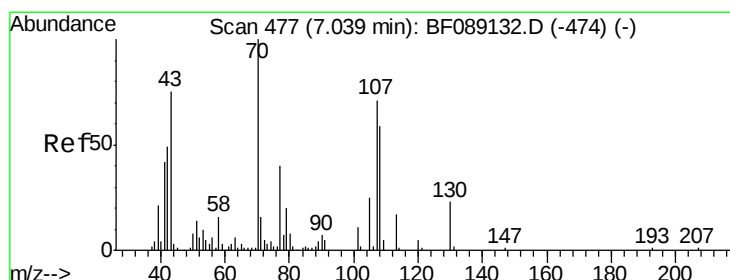
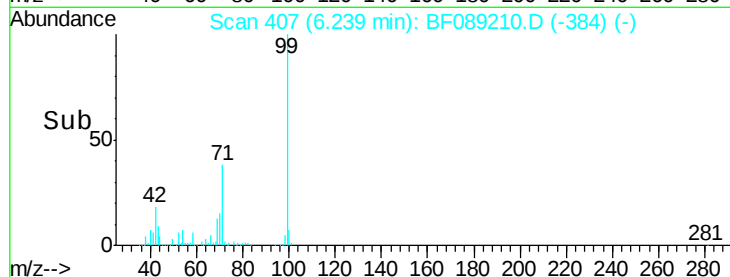
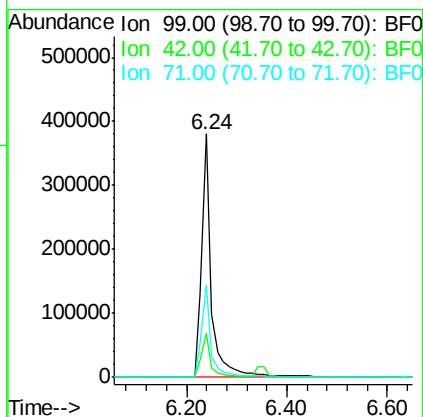
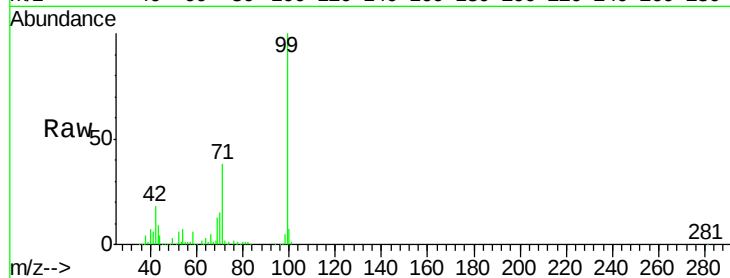
Tgt Ion: 99 Resp: 518580

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

71 37.9 28.9 43.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.02 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Tgt Ion: 70 Resp: 43435

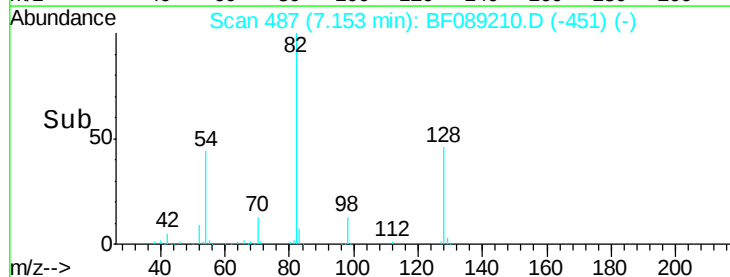
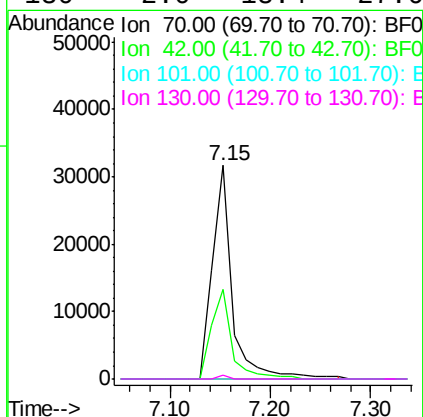
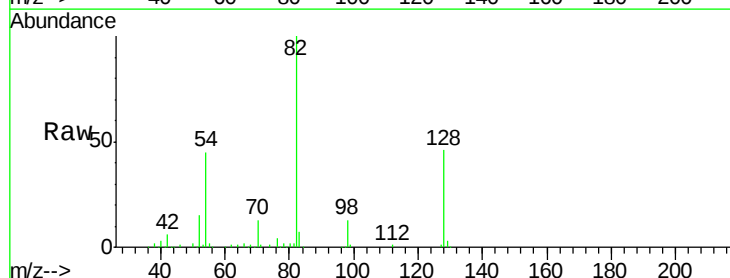
Ion Ratio Lower Upper

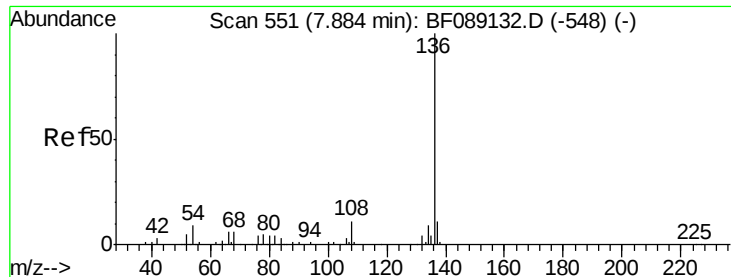
70 100

42 41.8 39.2 58.8

101 0.0 8.5 12.7#

130 2.0 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Instrument :

BNA_F

ClientSampleId :

SB-15-12.5-13.5

Tgt Ion:136 Resp: 200247

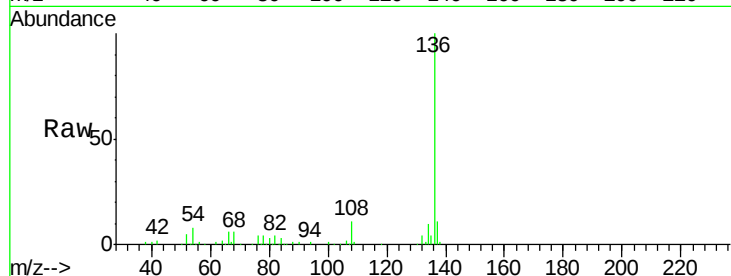
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.9 7.0 10.4

68 5.9 5.0 7.6

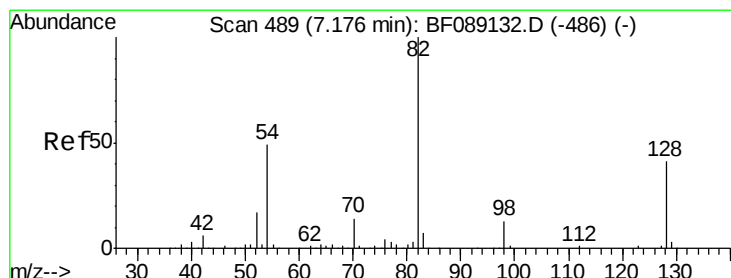
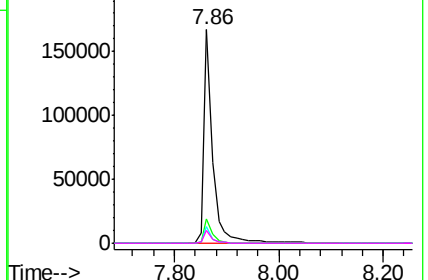
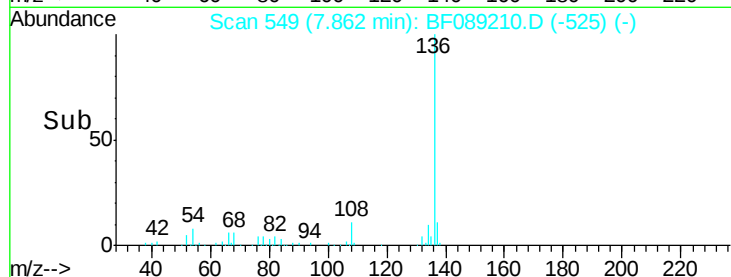


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.23 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

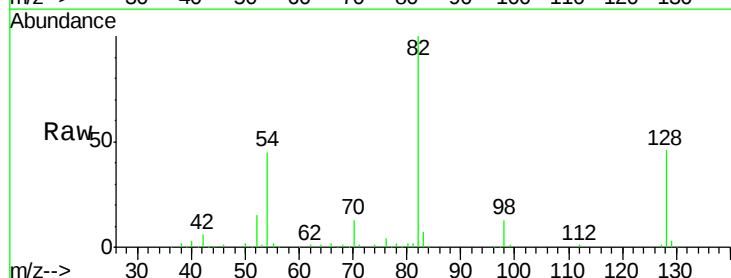
Tgt Ion: 82 Resp: 328760

Ion Ratio Lower Upper

82 100

128 45.6 33.0 49.6

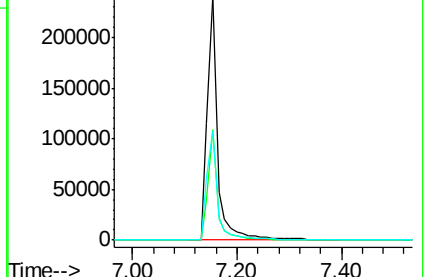
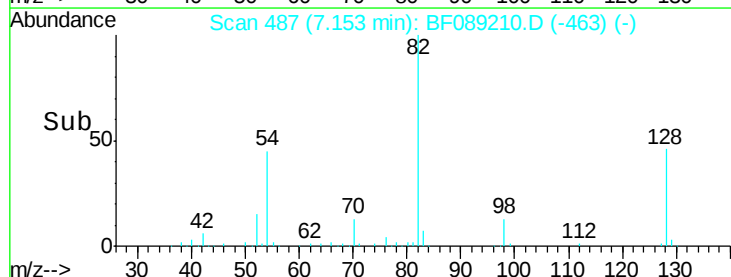
54 45.1 39.0 58.4

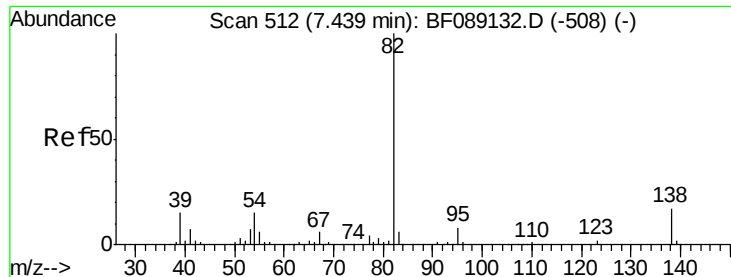


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.38 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.29 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Instrument :

BNA_F

ClientSampleId :

SB-15-12.5-13.5

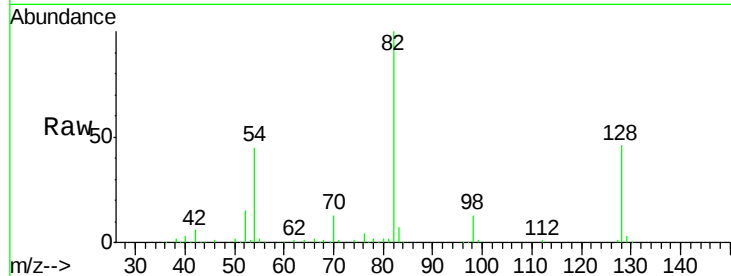
Tgt Ion: 82 Resp: 245730

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

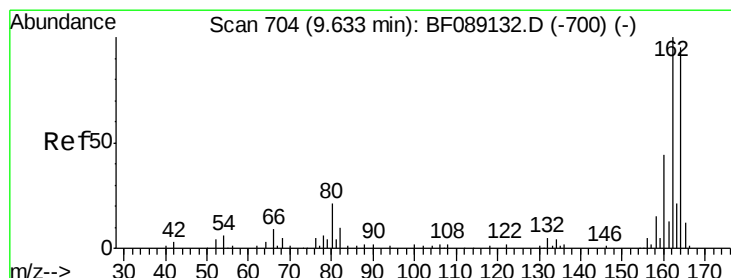
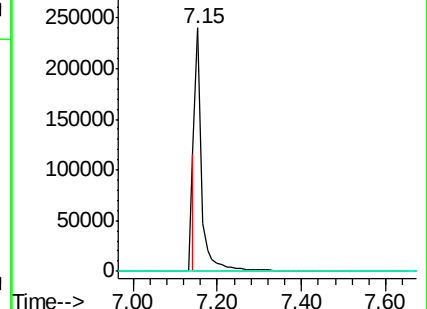
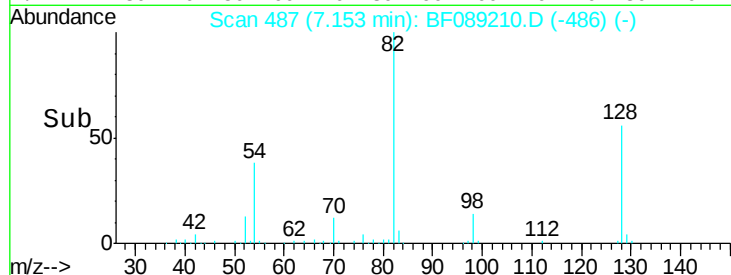
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF089210.D (-486) (-)

Ion 95.00 (94.70 to 95.70): BF089210.D (-486) (-)

Ion 138.00 (137.70 to 138.70): BF089210.D (-486) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

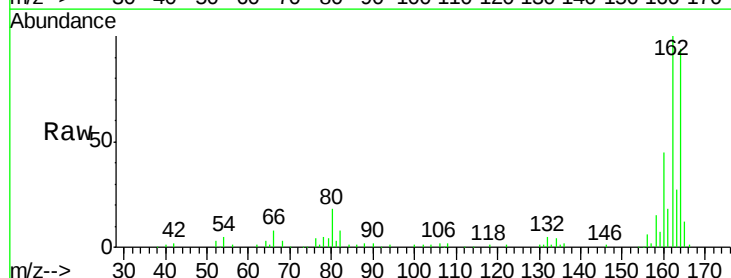
Tgt Ion: 164 Resp: 96919

Ion Ratio Lower Upper

164 100

162 106.0 84.1 126.1

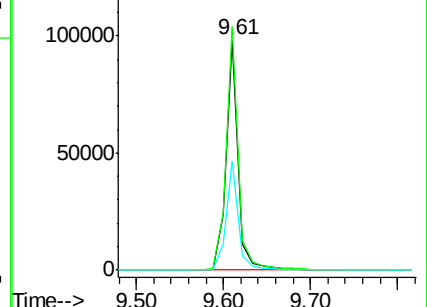
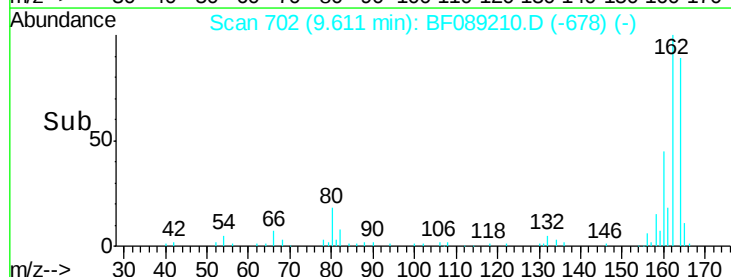
160 47.8 37.1 55.7

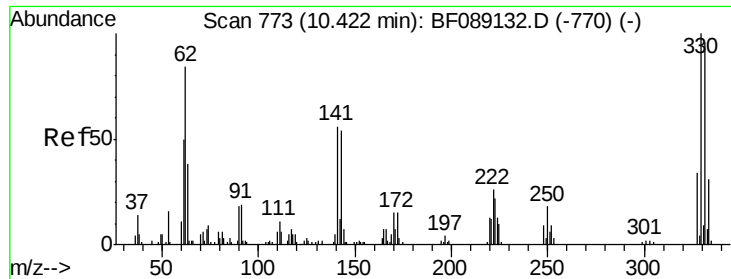


Abundance Ion 164.00 (163.70 to 164.70): BF089210.D (-678) (-)

Ion 162.00 (161.70 to 162.70): BF089210.D (-678) (-)

Ion 160.00 (159.70 to 160.70): BF089210.D (-678) (-)

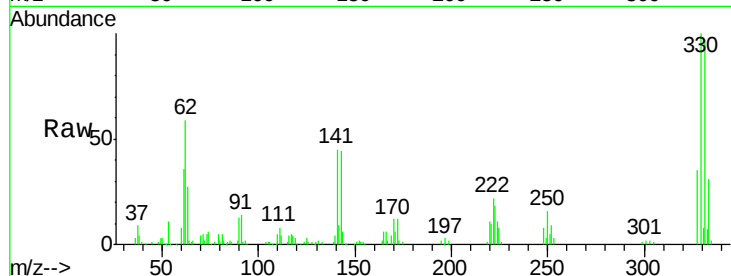




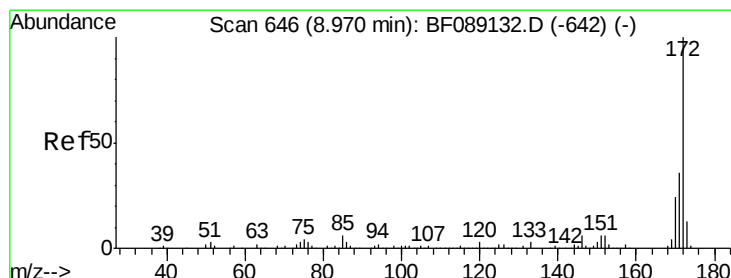
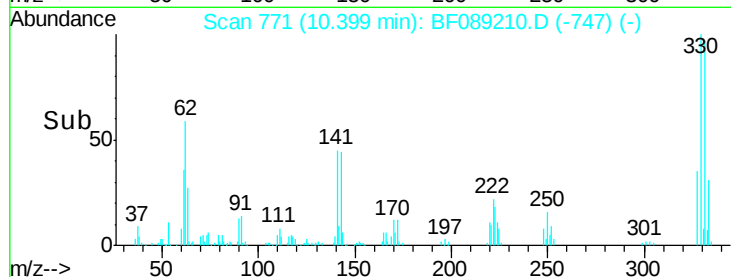
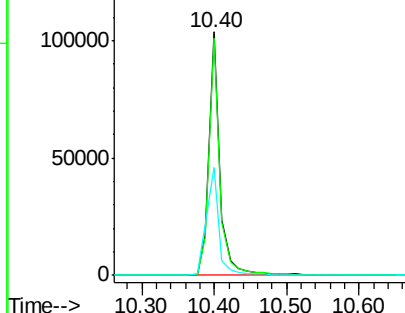
#41
 2,4,6-Tribromophenol
 Concen: 126.81 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF089210.D
 Acq: 23 Jul 2016 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-12.5-13.5

Tgt Ion: 330 Resp: 110656
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.2 115.8
 141 50.0 42.2 63.2

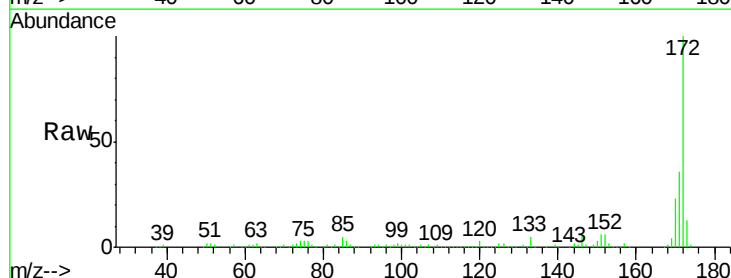


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

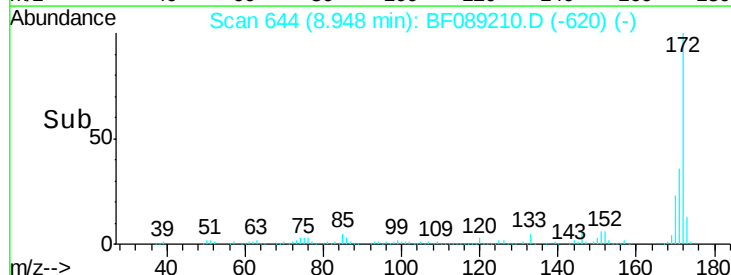
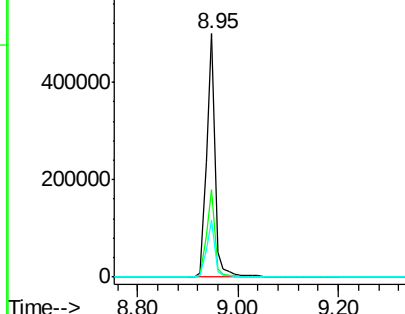


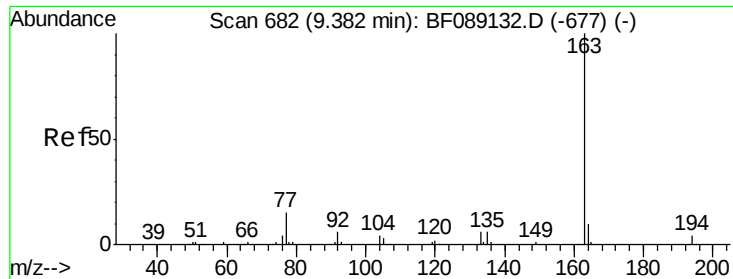
#44
 2-Fluorobiphenyl
 Concen: 83.57 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089210.D
 Acq: 23 Jul 2016 00:04

Tgt Ion: 172 Resp: 587828
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.2 43.8
 170 23.4 19.1 28.7



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

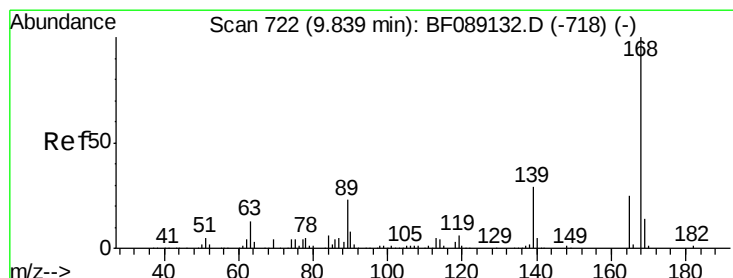
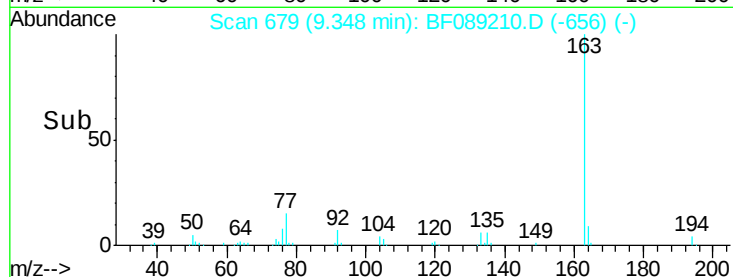
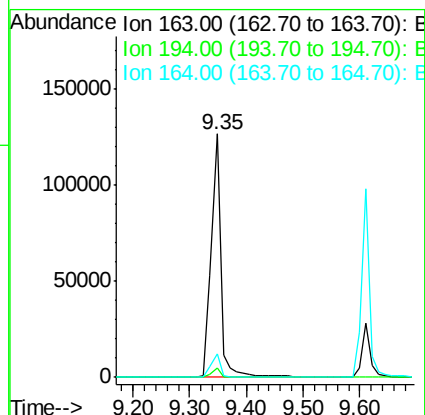
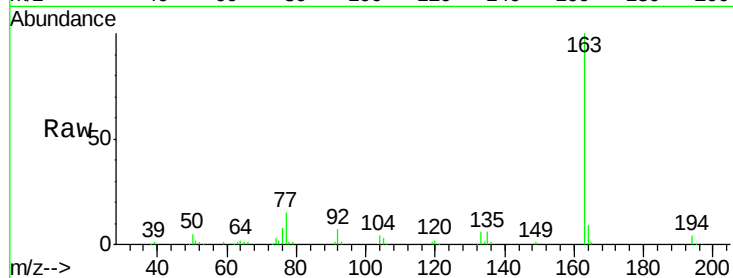




#49
Dimethylphthalate
Concen: 19.32 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF089210.D
Acq: 23 Jul 2016 00:04

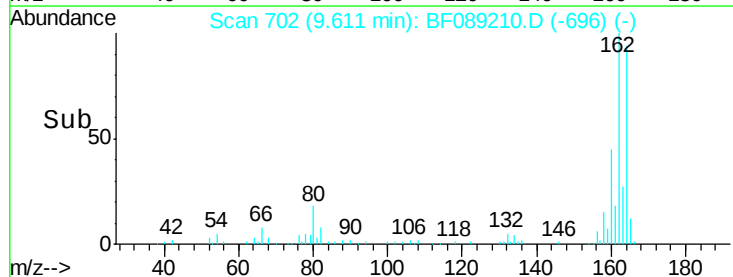
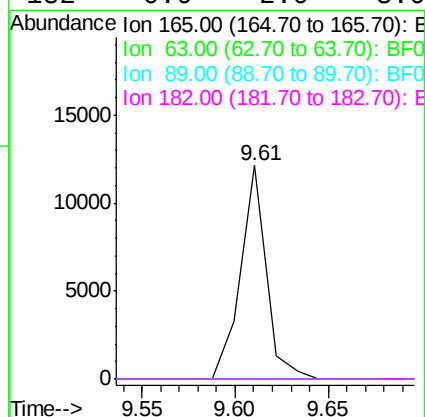
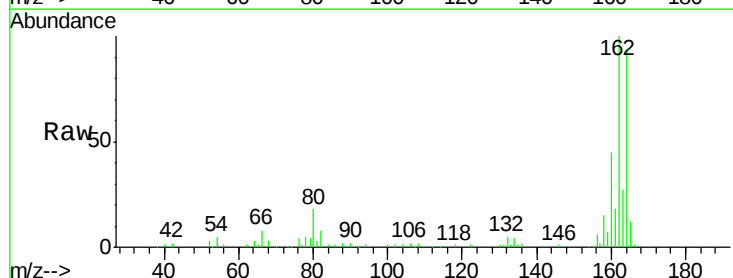
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SB-15-12.5-13.5

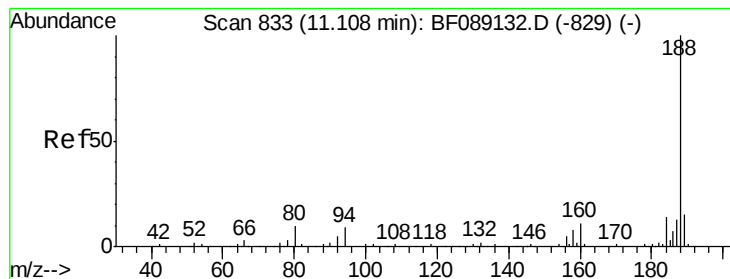
Tgt Ion:163 Resp: 143709
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 9.5 7.6 11.4



#56
2,4-Dinitrotoluene
Concen: 5.46 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089210.D
Acq: 23 Jul 2016 00:04

Tgt Ion:165 Resp: 11818
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 0.0 74.3 111.5#
182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Instrument :

BNA_F

ClientSampleId :

SB-15-12.5-13.5

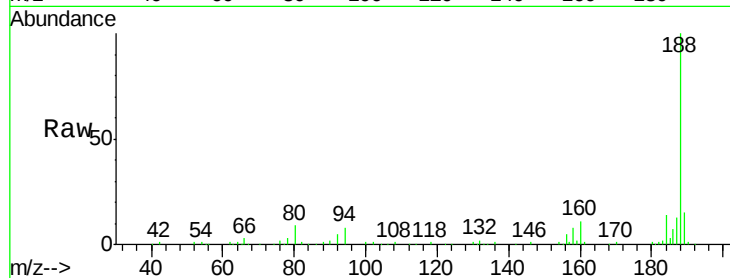
Tgt Ion:188 Resp: 194380

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

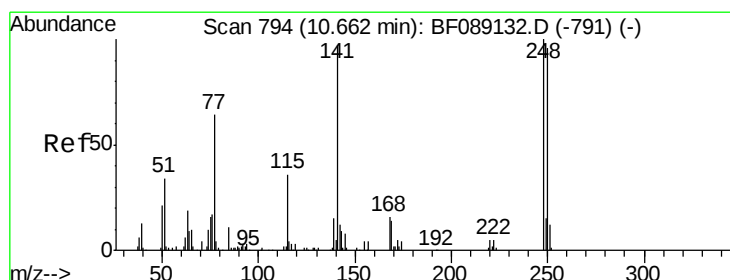
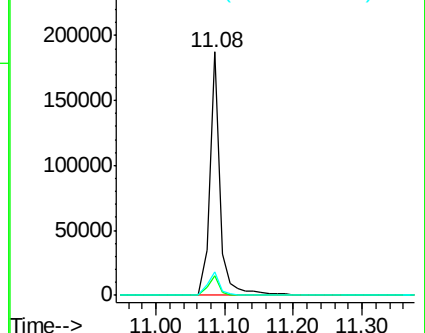
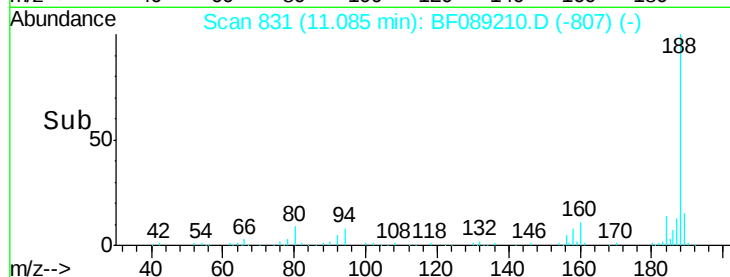
80 9.4 7.7 11.5



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: 4.55 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.26 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

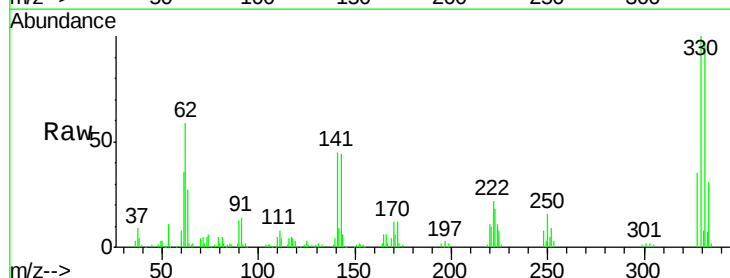
Tgt Ion:248 Resp: 8757

Ion Ratio Lower Upper

248 100

250 194.9 76.9 115.3#

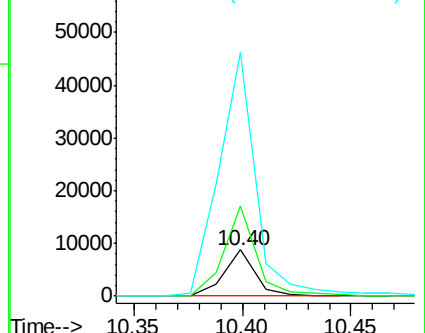
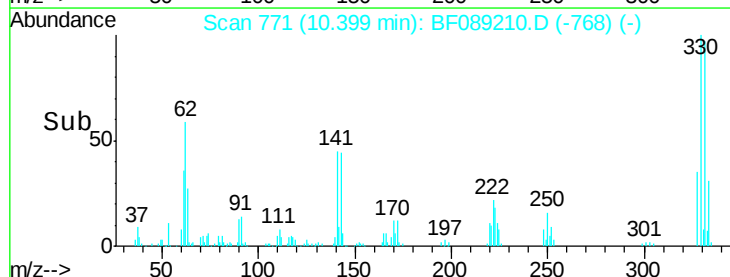
141 529.8 77.4 116.2#

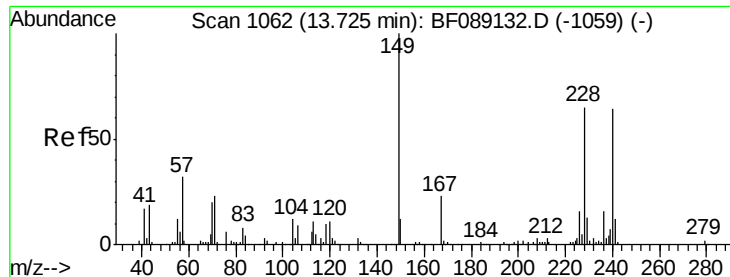


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

Instrument :

BNA_F

ClientSampleId :

SB-15-12.5-13.5

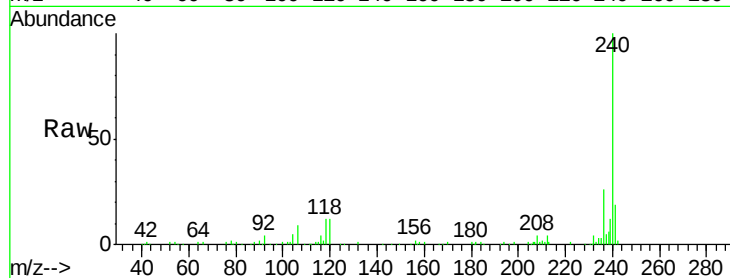
Tgt Ion:240 Resp: 151001

Ion Ratio Lower Upper

240 100

120 12.4 13.6 20.4#

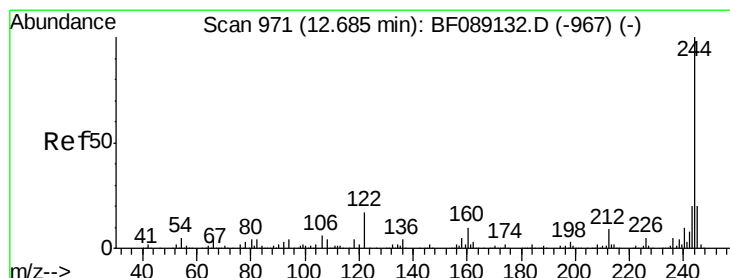
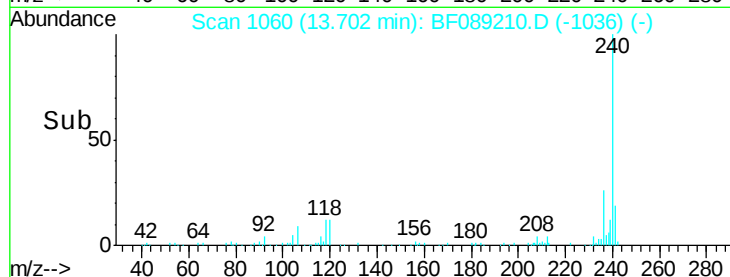
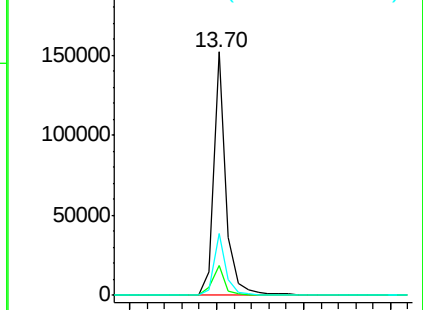
236 25.6 20.5 30.7



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: 74.00 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089210.D

Acq: 23 Jul 2016 00:04

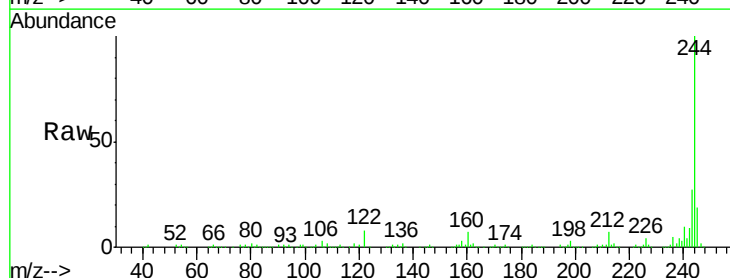
Tgt Ion:244 Resp: 515175

Ion Ratio Lower Upper

244 100

212 7.3 7.0 10.4

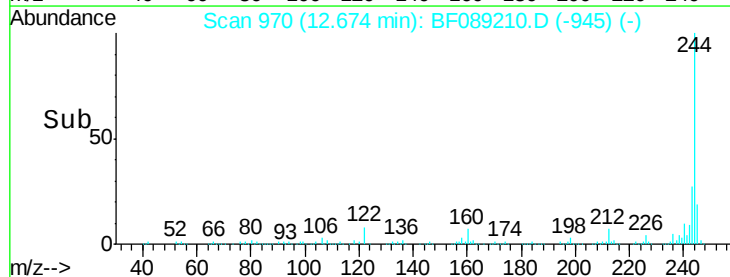
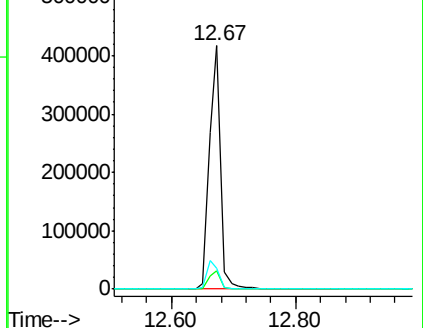
122 8.5 13.8 20.8#

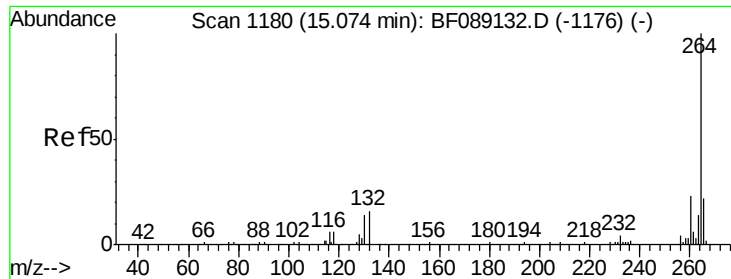


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

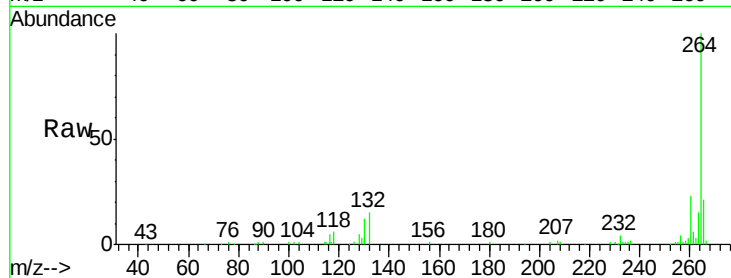




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF089210.D
 Acq: 23 Jul 2016 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-12.5-13.5

Tgt Ion: 264 Resp: 111188
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.5 27.7
 265 21.0 17.3 25.9



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

