

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089740.D
 Acq On : 17 Aug 2016 3:37
 Operator : UM/SJ
 Sample : PB92811BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92811BL

Quant Time: Aug 17 04:26:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

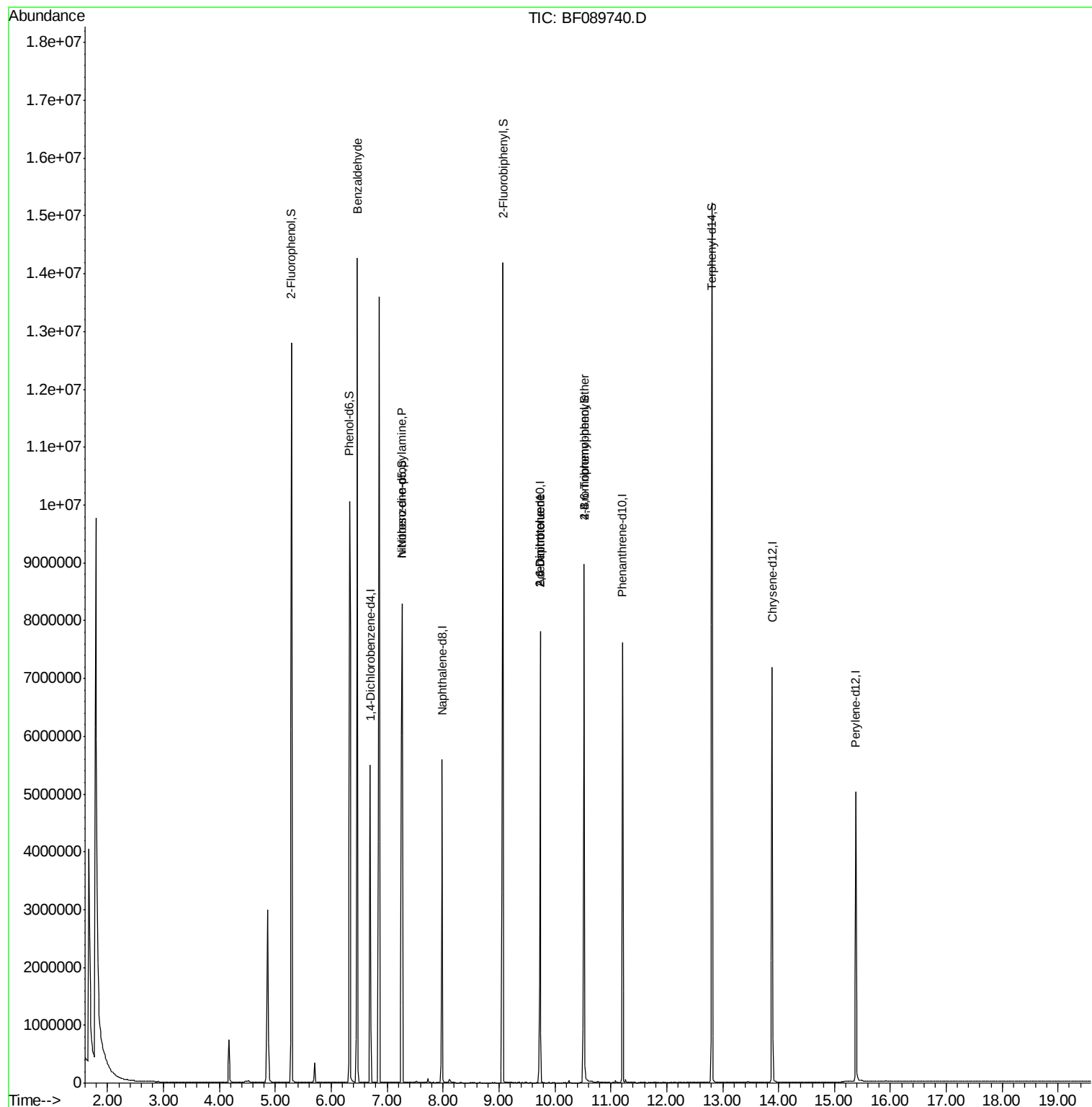
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	779907	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	3253342	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1531553	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	2685902	20.00	ng	0.00
75) Chrysene-d12	13.89	240	2405822	20.00	ng	-0.01
86) Perylene-d12	15.38	264	2028005	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	4156451	88.92	ng	0.01
7) Phenol-d6	6.33	99	5905050	99.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	3747991	70.35	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	1460406	98.57	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	6383140	66.88	ng	0.00
78) Terphenyl-d14	12.81	244	4981500	61.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	116086	2.95	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.27	70	515043	13.23	ng	# 72
50) 2,6-Dinitrotoluene	9.74	165	205177	8.18	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	205177	6.36	ng	# 35
66) 4-Bromophenyl-phenylether	10.52	248	90835	3.27	ng	# 1

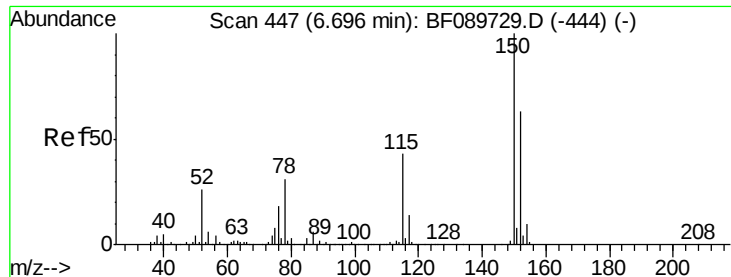
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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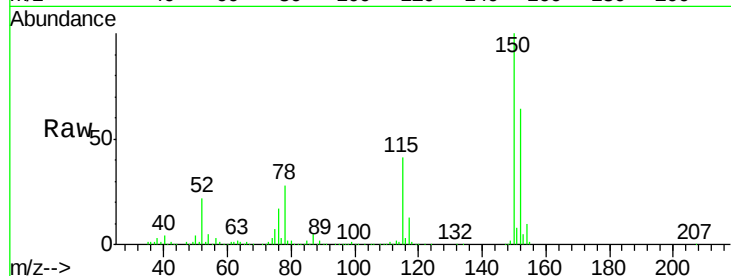


#1

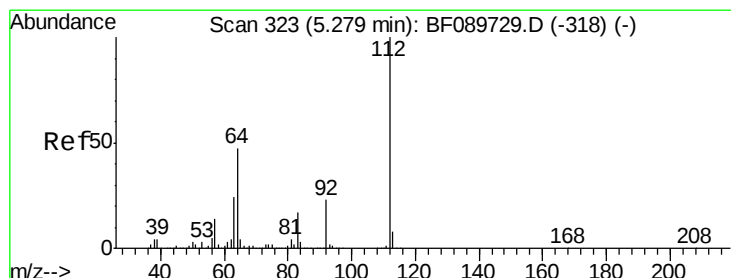
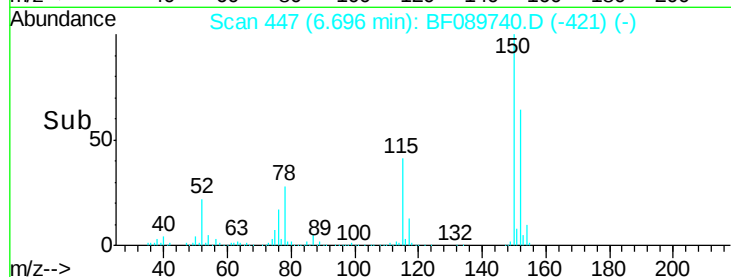
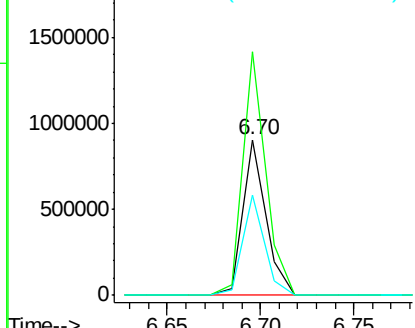
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF089740.D
Acq: 17 Aug 2016 3:37

Instrument :
BNA_F
ClientSampleId :
PB92811BL

Tgt Ion:152 Resp: 779907
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 64.4 40.9 61.3#



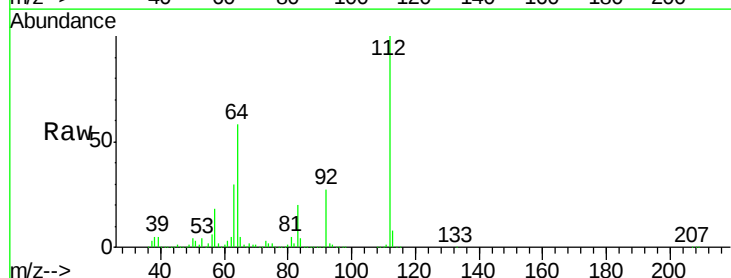
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



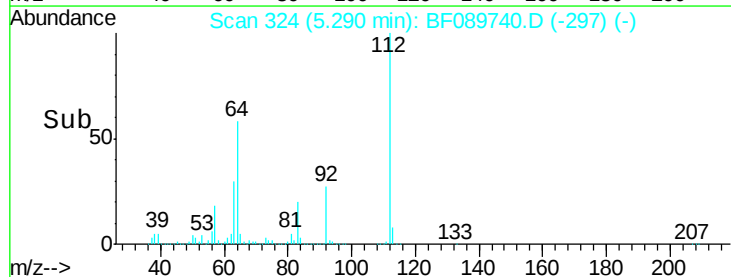
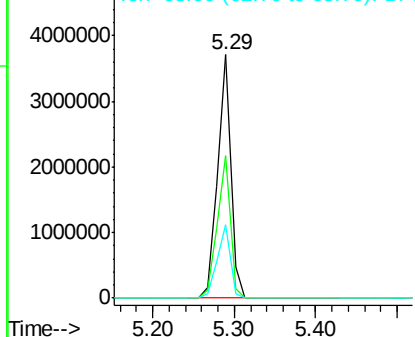
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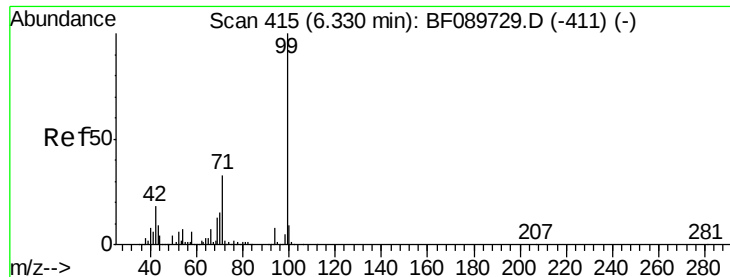
2-Fluorophenol
Concen: 88.92 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.01 min
Lab File: BF089740.D
Acq: 17 Aug 2016 3:37

Tgt Ion:112 Resp: 4156451
Ion Ratio Lower Upper
112 100
64 58.5 45.0 67.4
63 30.3 23.1 34.7



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: 99.32 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

Instrument :

BNA_F

ClientSampleId :

PB92811BL

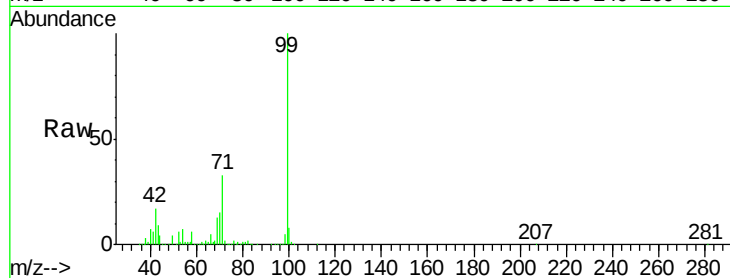
Tgt Ion: 99 Resp: 5905050

Ion Ratio Lower Upper

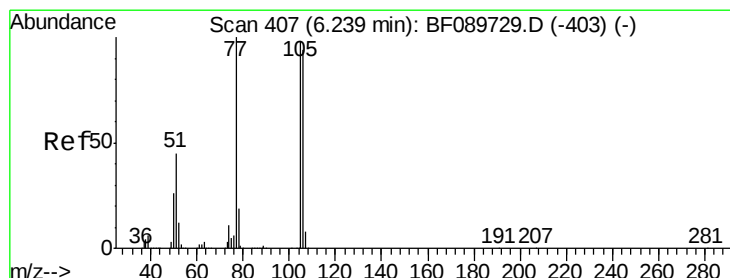
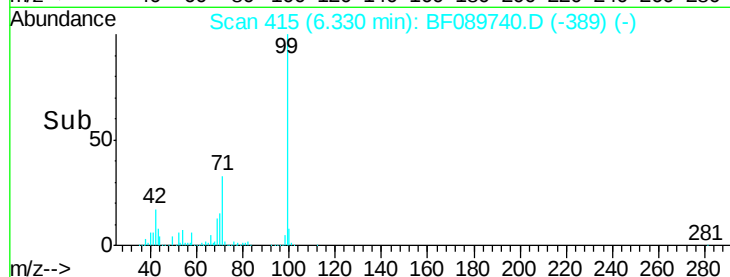
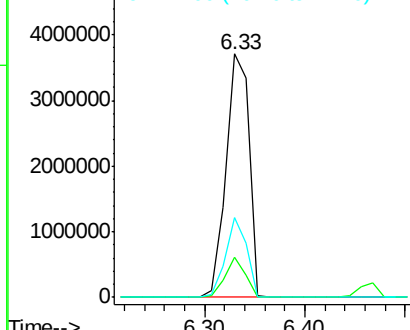
99 100

42 16.7 12.2 18.4

71 33.0 23.8 35.8



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: 2.95 ng

RT: 6.47 min Scan# 427

Delta R.T. 0.23 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

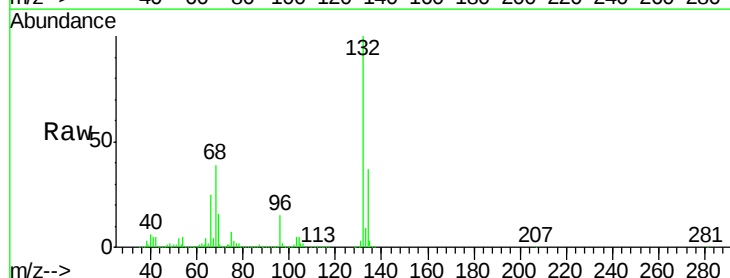
Tgt Ion: 77 Resp: 116086

Ion Ratio Lower Upper

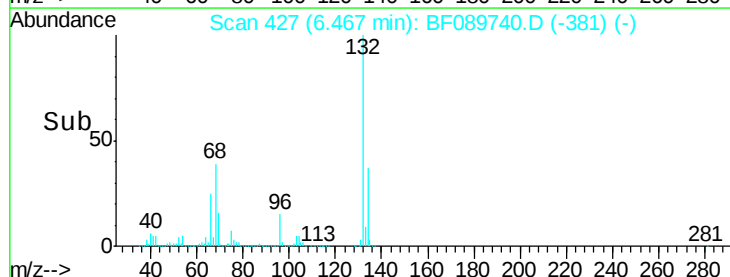
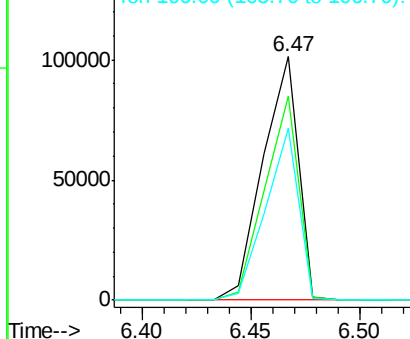
77 100

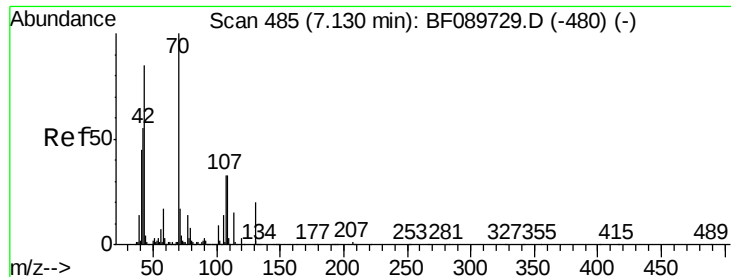
105 83.5 73.3 113.3

106 70.4 68.6 108.6



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

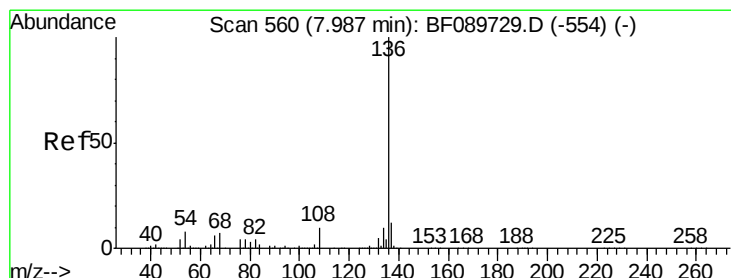
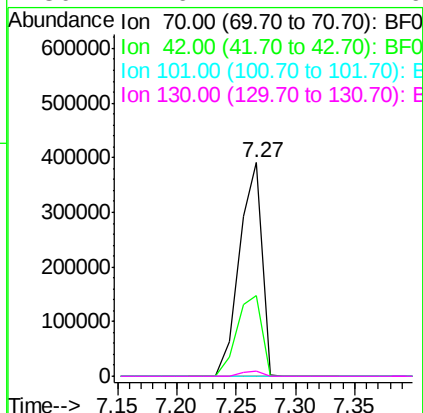
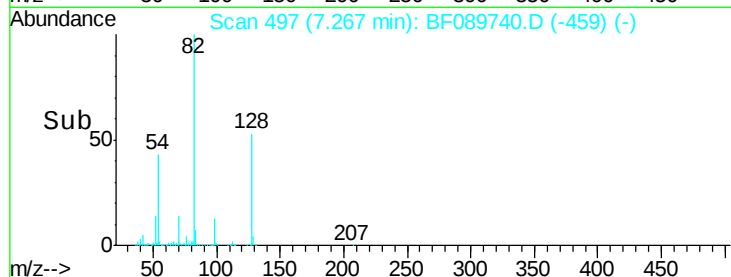
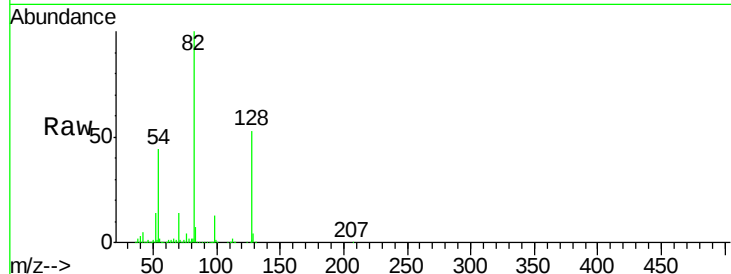




#19
n-Nitroso-di-n-propylamine
Concen: 13.23 ng
RT: 7.27 min Scan# 497
Delta R.T. 0.14 min
Lab File: BF089740.D
Acq: 17 Aug 2016 3:37

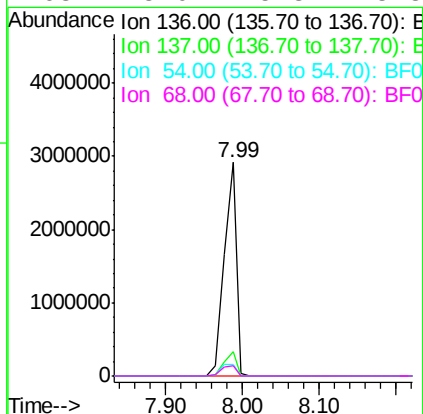
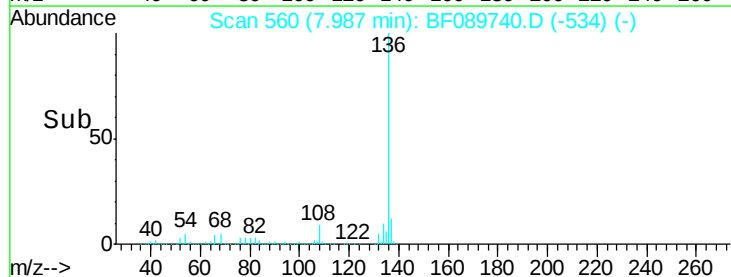
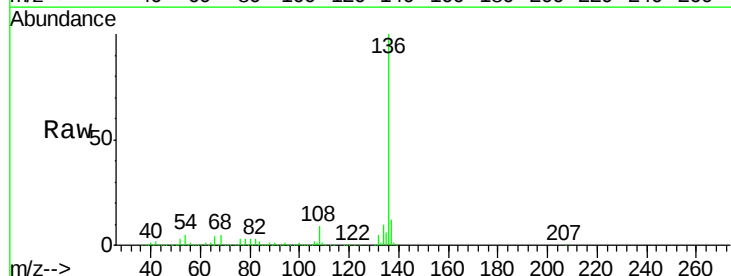
Instrument :
BNA_F
ClientSampleId :
PB92811BL

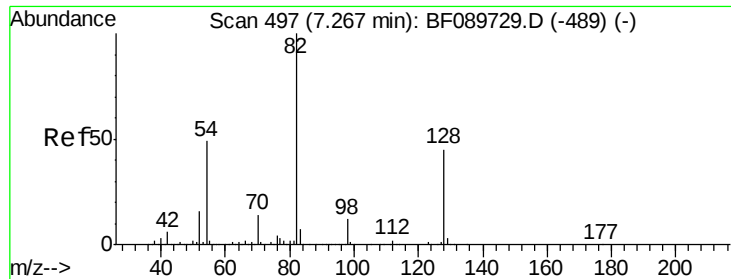
Tgt Ion: 70 Resp: 515043
Ion Ratio Lower Upper
70 100
42 37.8 46.3 69.5#
101 0.0 7.0 10.6#
130 2.6 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF089740.D
Acq: 17 Aug 2016 3:37

Tgt Ion: 136 Resp: 3253342
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 5.5 7.2 10.8#
68 5.0 5.8 8.8#

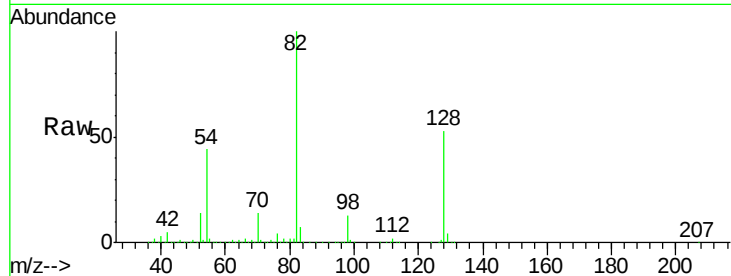




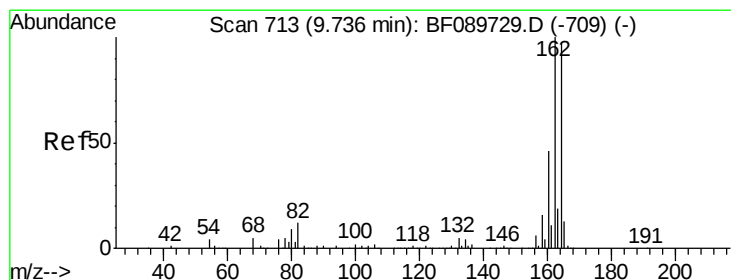
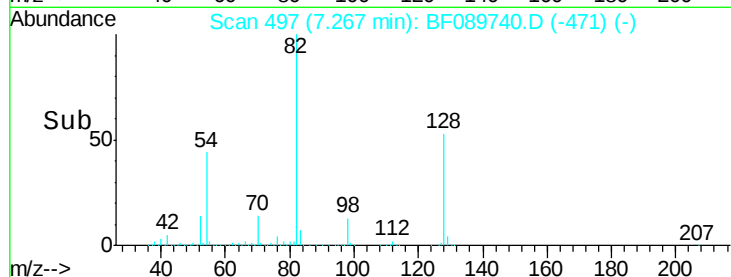
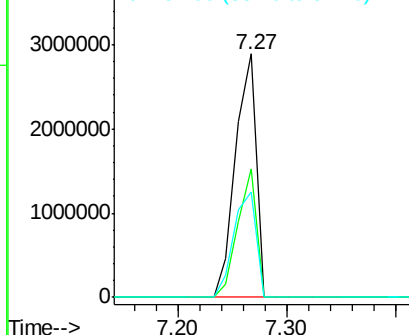
#23
 Nitrobenzene-d5
 Concen: 70.35 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Instrument :
 BNA_F
 ClientSampleId :
 PB92811BL

Tgt Ion: 82 Resp: 3747991
 Ion Ratio Lower Upper
 82 100
 128 52.6 34.4 51.6#
 54 43.5 40.3 60.5

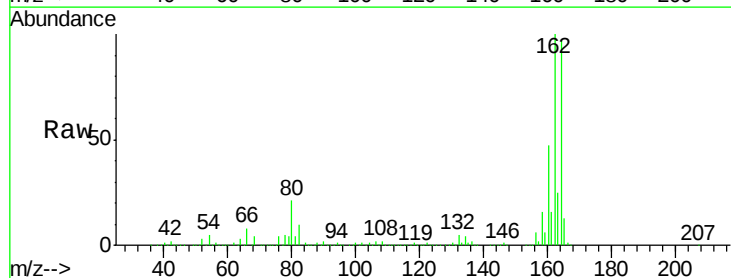


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

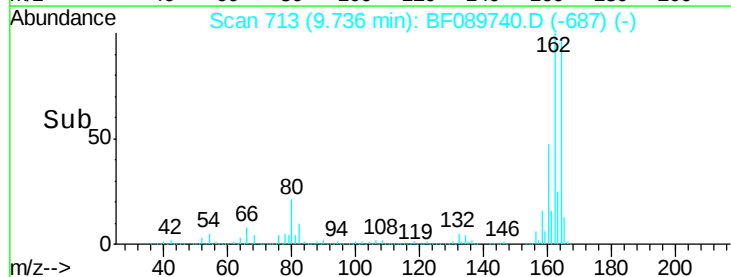
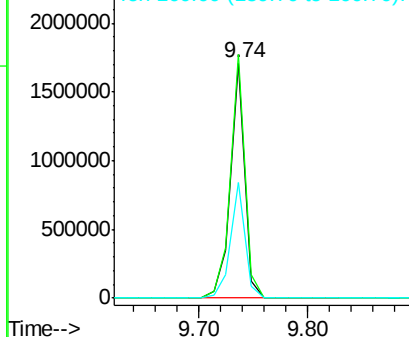


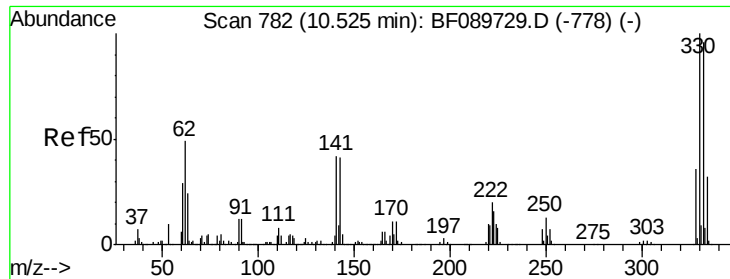
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Tgt Ion: 164 Resp: 1531553
 Ion Ratio Lower Upper
 164 100
 162 103.6 81.4 122.2
 160 49.2 37.8 56.6



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

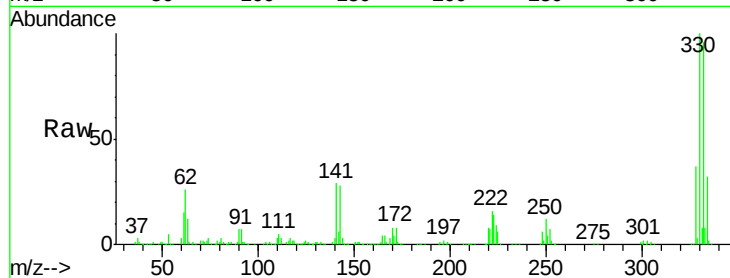




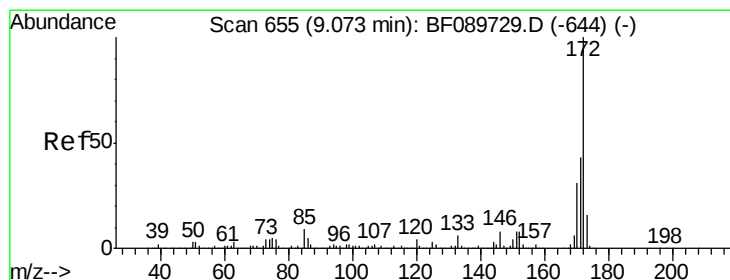
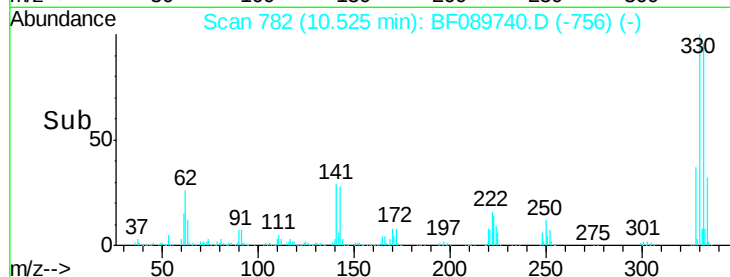
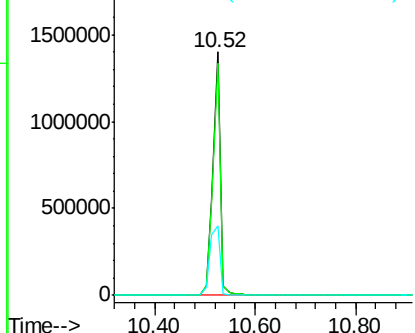
#41
 2,4,6-Tribromophenol
 Concen: 98.57 ng
 RT: 10.52 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Instrument :
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 ClientSampleId :
 PB92811BL

Tgt Ion:330 Resp: 1460406
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.7 115.1
 141 39.2 30.2 45.2

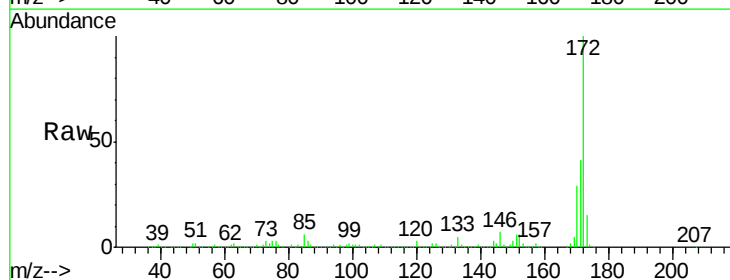


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

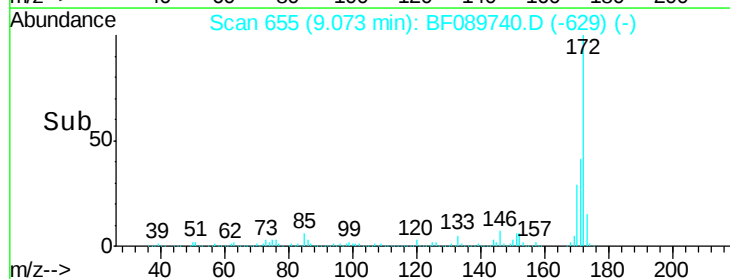
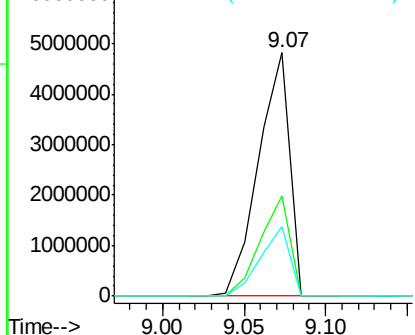


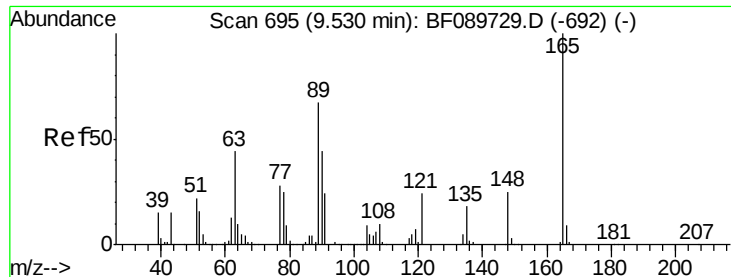
#44
 2-Fluorobiphenyl
 Concen: 66.88 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Tgt Ion:172 Resp: 6383140
 Ion Ratio Lower Upper
 172 100
 171 41.0 30.5 45.7
 170 28.6 20.6 31.0



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

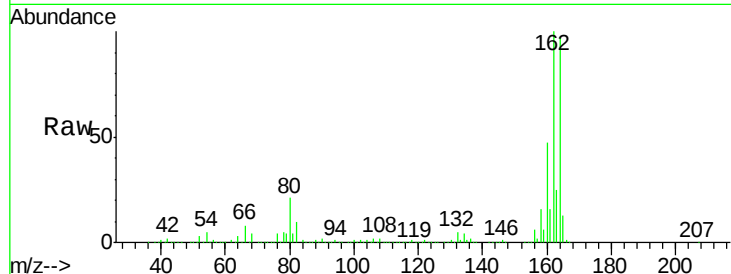




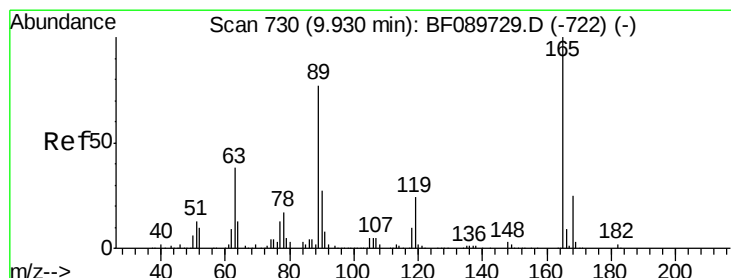
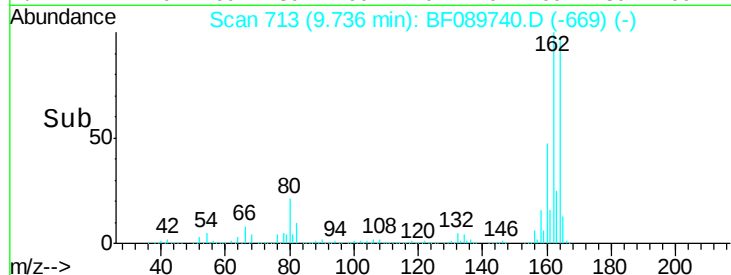
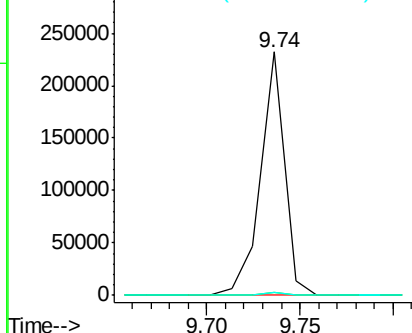
#50
 2,6-Dinitrotoluene
 Concen: 8.18 ng
 RT: 9.74 min Scan# 713
 Delta R.T. 0.21 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.7	62.5#
89	1.4	44.6	67.0#



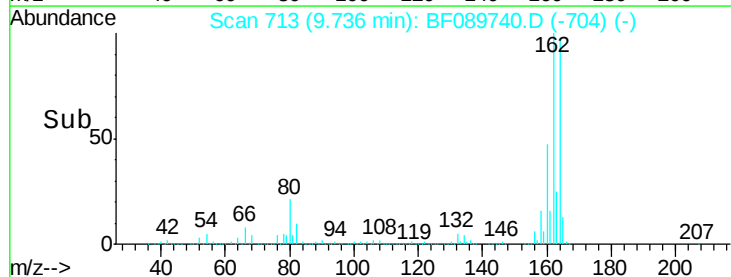
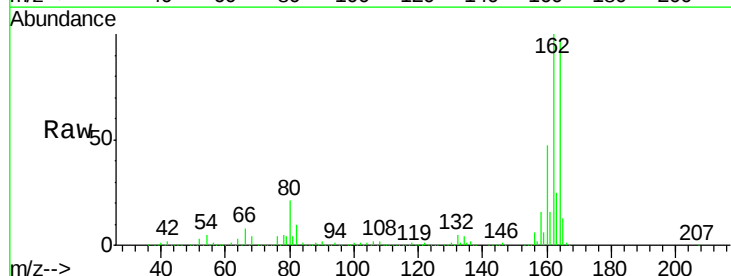
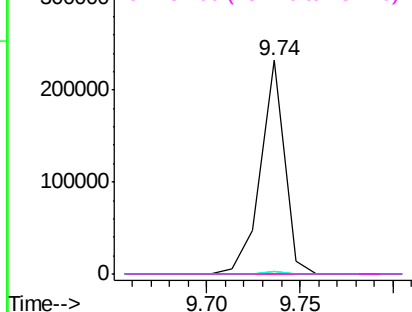
Abundance Ion 165.00 (164.70 to 165.70): E

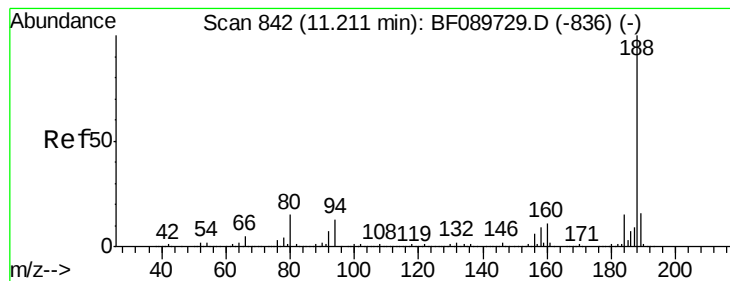


#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.74 min Scan# 713
 Delta R.T. -0.19 min
 Lab File: BF089740.D
 Acq: 17 Aug 2016 3:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	23.7	35.5#
89	1.4	44.0	66.0#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

Instrument :

BNA_F

ClientSampleId :

PB92811BL

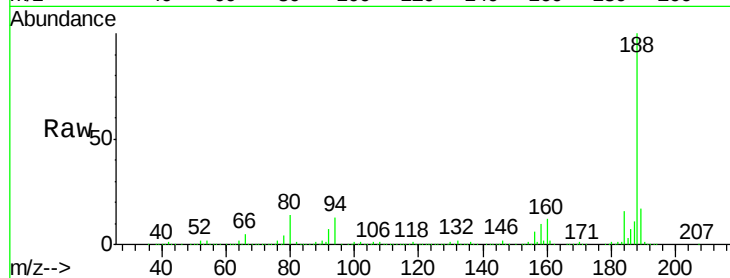
Tgt Ion:188 Resp: 2685902

Ion Ratio Lower Upper

188 100

94 13.1 10.2 15.2

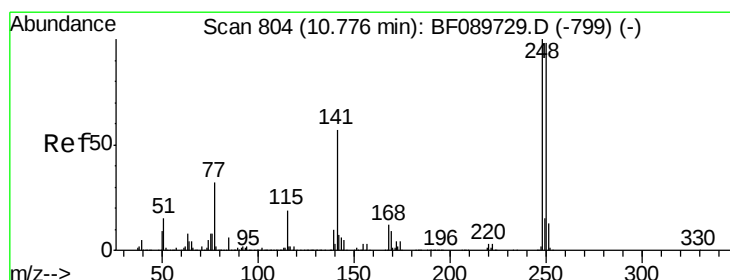
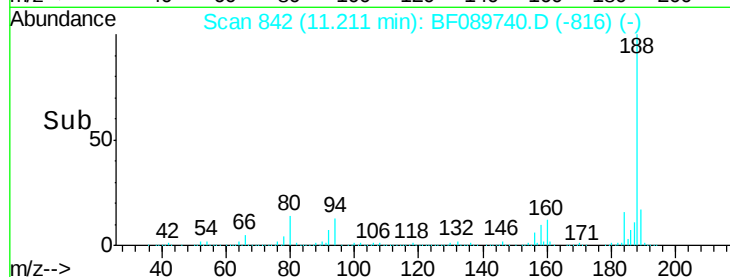
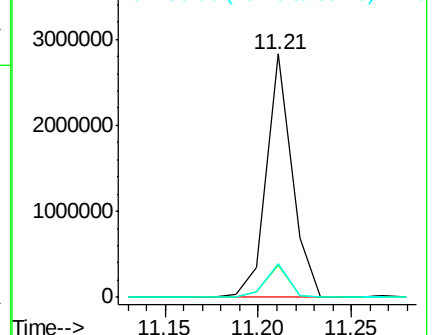
80 13.7 10.9 16.3



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: 3.27 ng

RT: 10.52 min Scan# 782

Delta R.T. -0.25 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

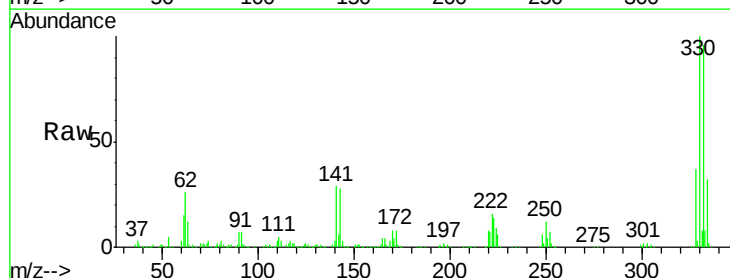
Tgt Ion:248 Resp: 90835

Ion Ratio Lower Upper

248 100

250 197.2 78.6 117.8#

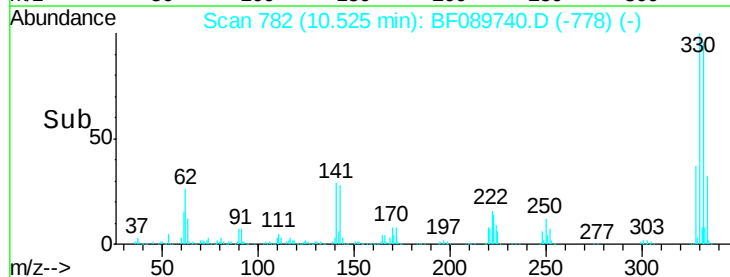
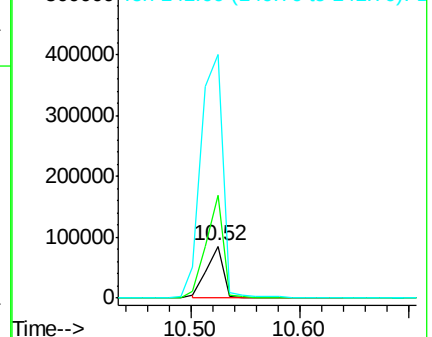
141 469.7 31.4 47.2#

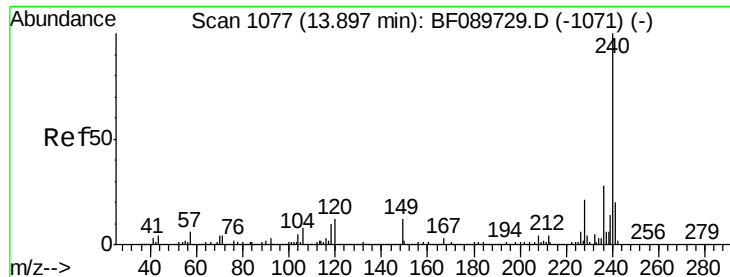


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.89 min Scan# 1076

Delta R.T. -0.01 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

Instrument :

BNA_F

ClientSampleId :

PB92811BL

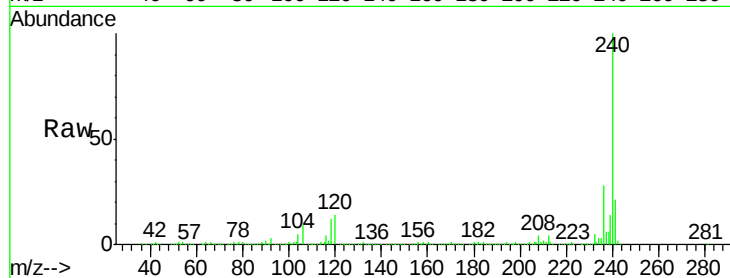
Tgt Ion:240 Resp: 2405822

Ion Ratio Lower Upper

240 100

120 14.2 8.3 12.5#

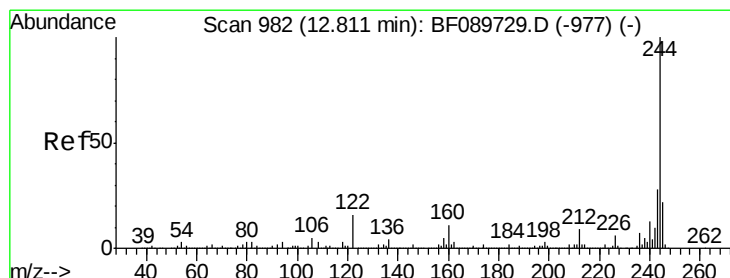
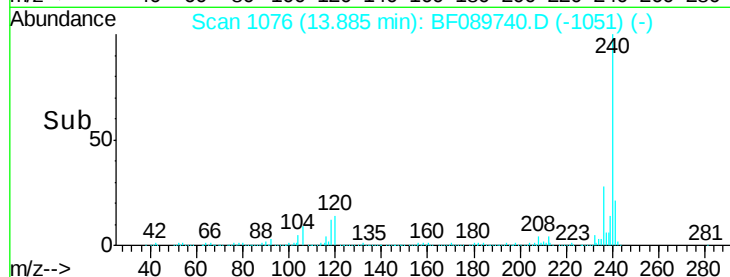
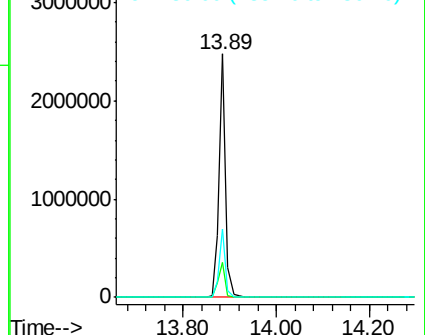
236 28.2 21.3 31.9



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: 61.86 ng

RT: 12.81 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF089740.D

Acq: 17 Aug 2016 3:37

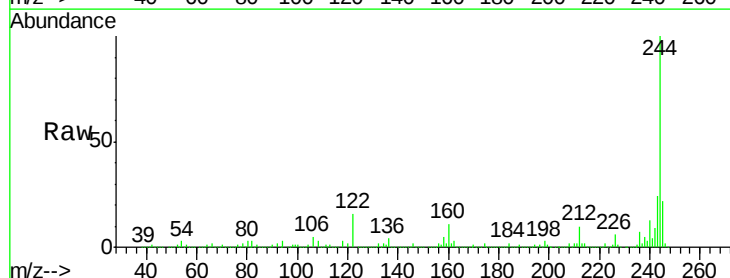
Tgt Ion:244 Resp: 4981500

Ion Ratio Lower Upper

244 100

212 9.5 6.3 9.5#

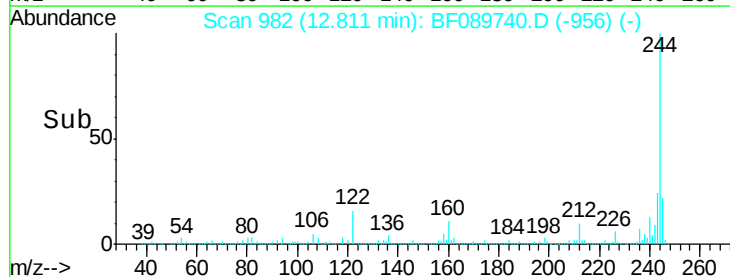
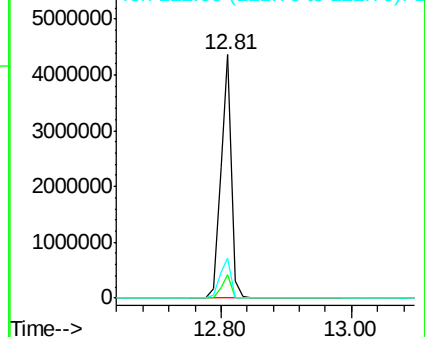
122 16.3 12.0 18.0

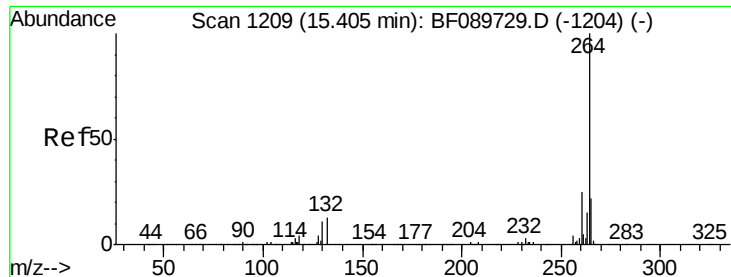


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

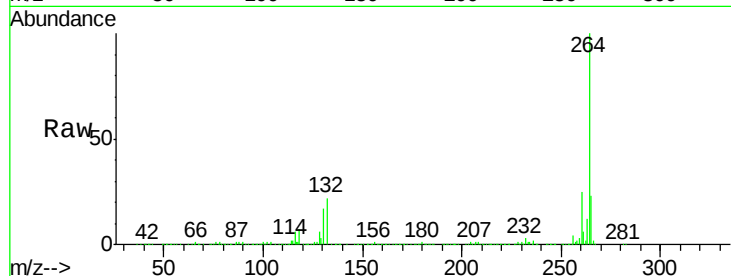




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF089740.D
Acq: 17 Aug 2016 3:37

Instrument :
BNA_F
ClientSampleId :
PB92811BL

Tgt Ion:264 Resp: 2028005
Ion Ratio Lower Upper
264 100
260 25.4 20.2 30.2
265 22.7 17.4 26.2



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

