

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
 Data File : BF089881.D
 Acq On : 24 Aug 2016 18:14
 Operator : UM/SJ
 Sample : PB93077BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB93077BL

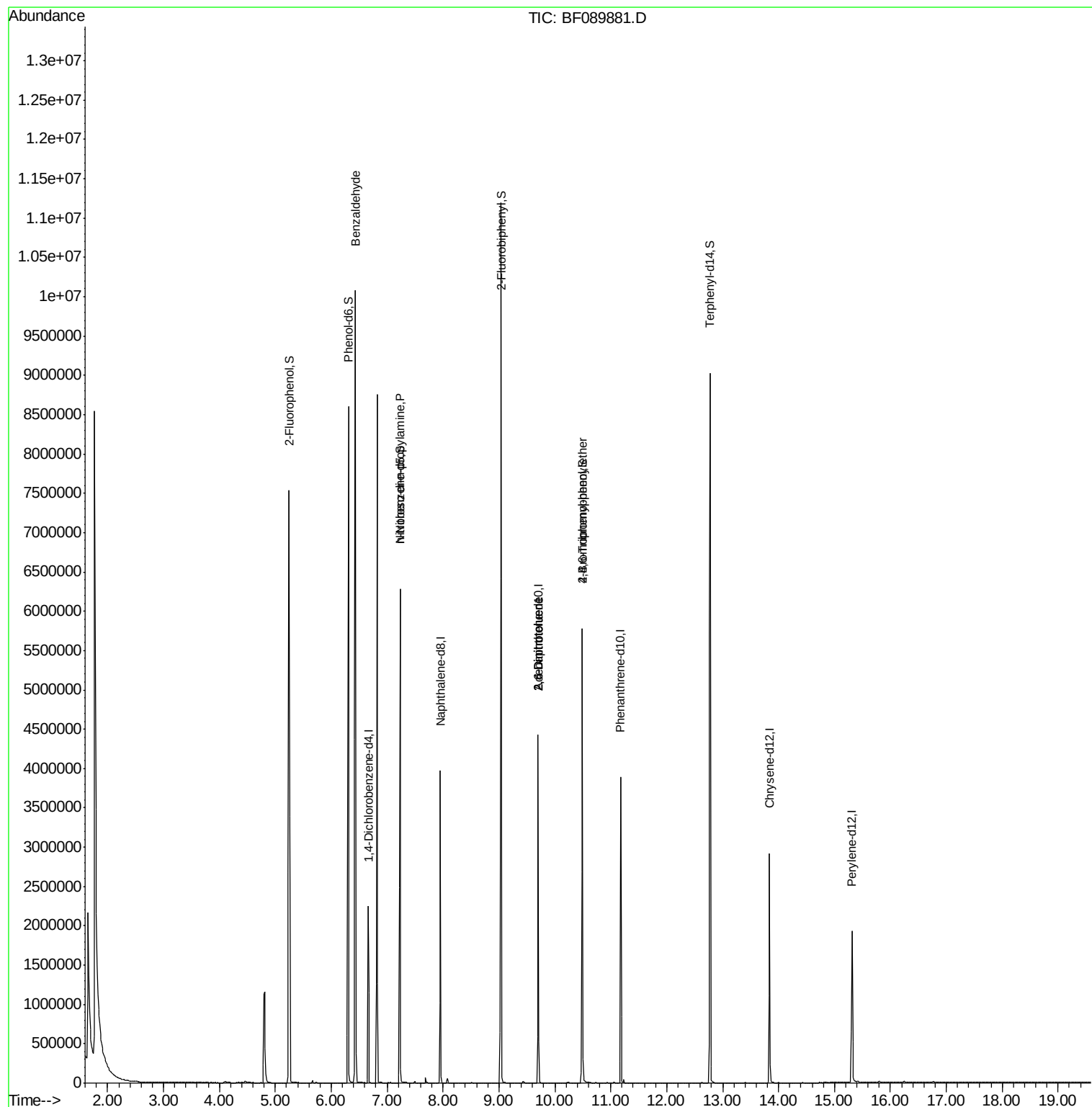
Quant Time: Aug 25 12:20:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

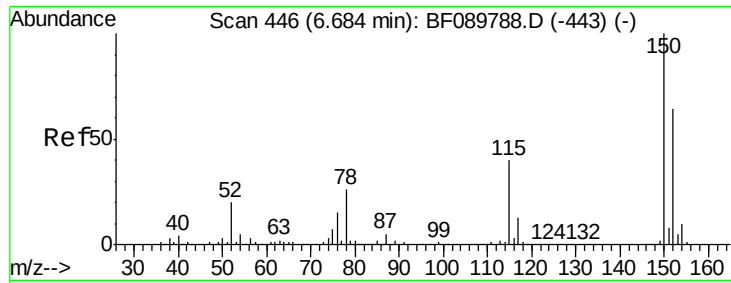
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	406365	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	1804254	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	830899	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1371087	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	1085630	20.00	ng	-0.03
86) Perylene-d12	15.31	264	826061	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	3038998	128.25	ng	-0.01
7) Phenol-d6	6.31	99	3663681	125.95	ng	-0.01
23) Nitrobenzene-d5	7.23	82	2224344	76.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	792007	100.30	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	4237423	89.63	ng	-0.01
78) Terphenyl-d14	12.78	244	3367171	70.17	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.43	77	69642	3.68	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	7.23	70	299356	16.09	ng	# 73
50) 2,6-Dinitrotoluene	9.70	165	108858	8.06	ng	# 26
56) 2,4-Dinitrotoluene	9.70	165	108839	6.21	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	49785	3.46	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: 6.66 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF089881.D

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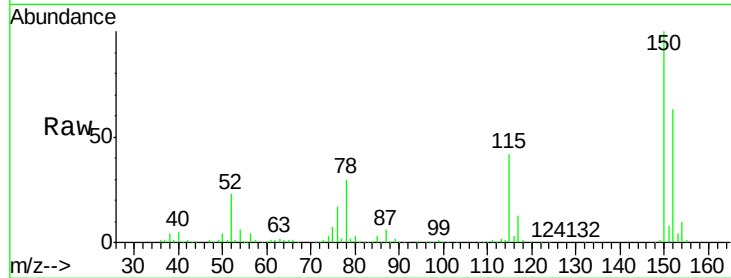
Tgt Ion:152 Resp: 406365

Ion Ratio Lower Upper

152 100

150 159.9 125.3 187.9

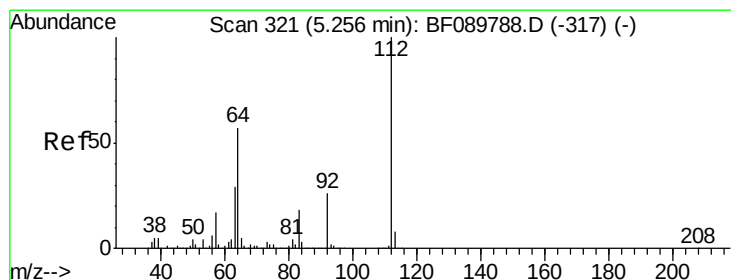
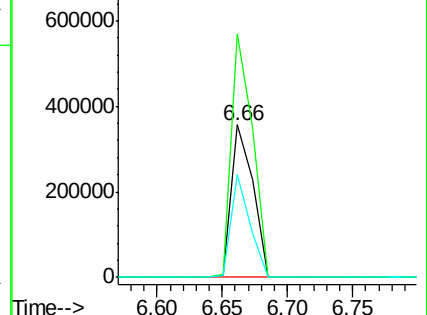
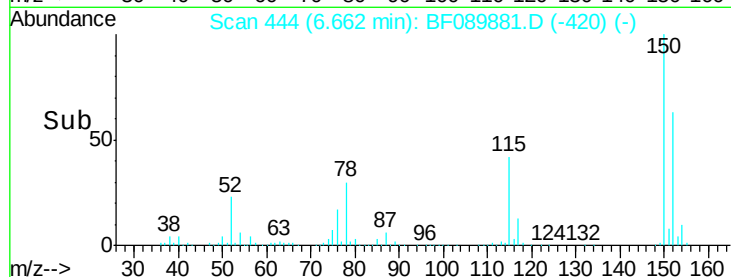
115 67.9 40.9 61.3#



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



#5

2-Fluorophenol

Concen: 128.25 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

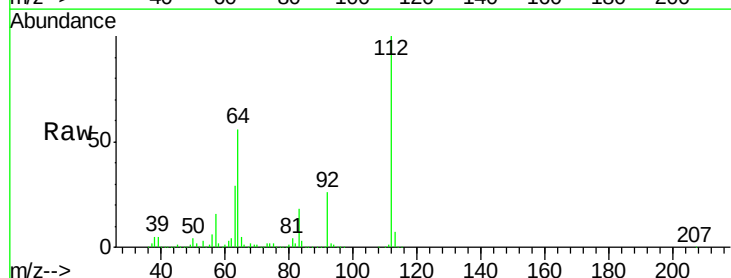
Tgt Ion:112 Resp: 3038998

Ion Ratio Lower Upper

112 100

64 56.0 45.0 67.4

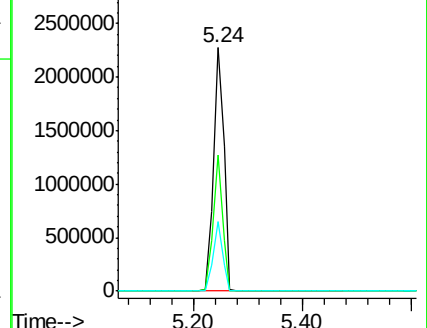
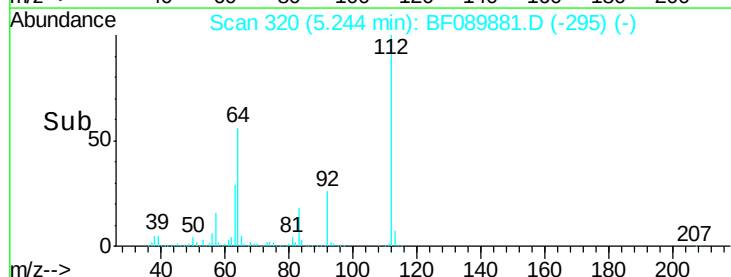
63 28.6 23.1 34.7

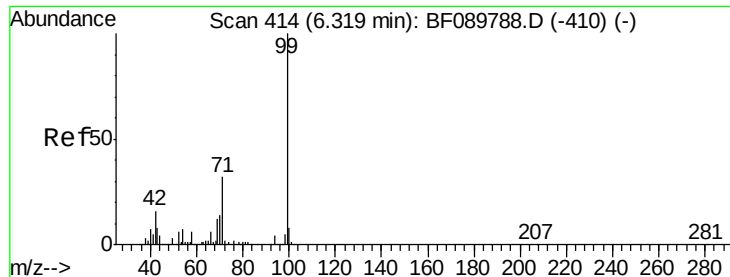


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.95 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

Instrument :

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ClientSampleId :

PB93077BL

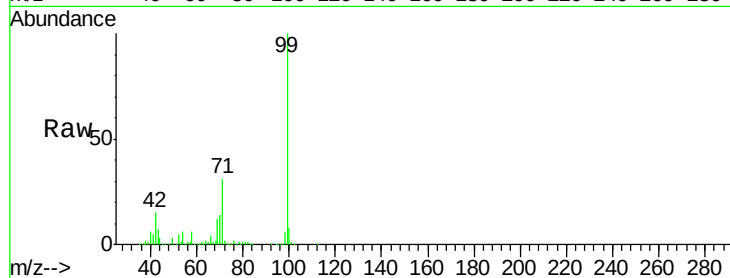
Tgt Ion: 99 Resp: 3663681

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.4

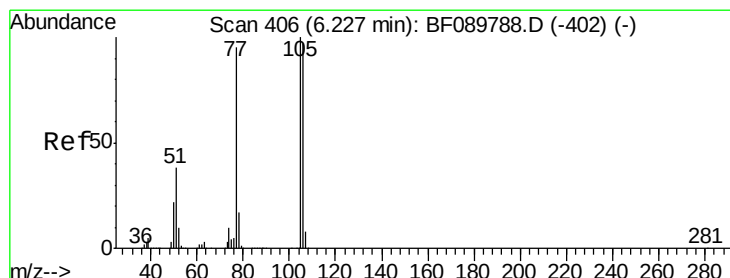
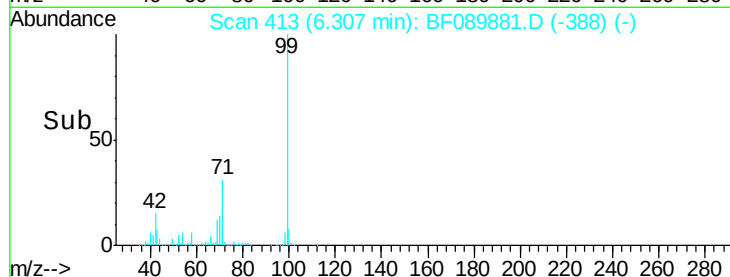
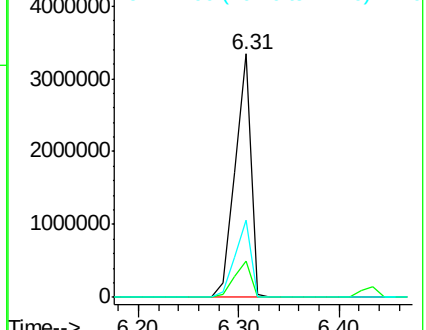
71 31.5 23.8 35.8



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: 3.68 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

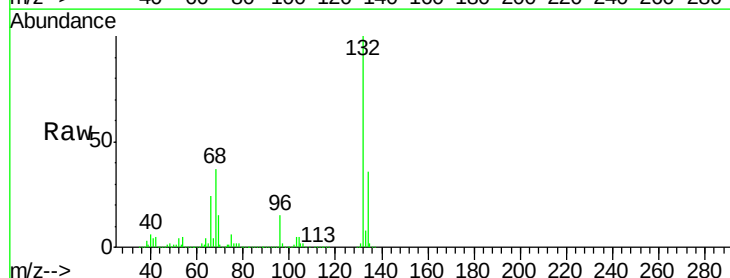
Tgt Ion: 77 Resp: 69642

Ion Ratio Lower Upper

77 100

105 85.8 73.3 113.3

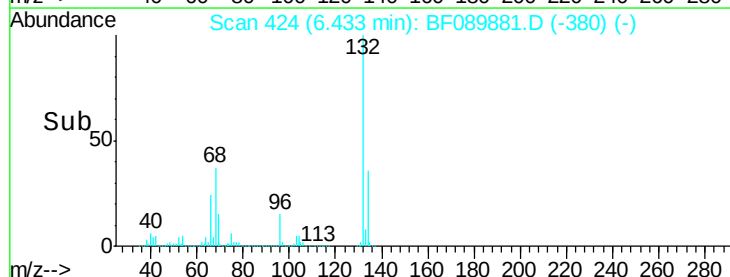
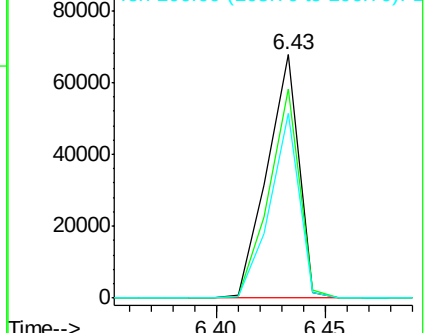
106 76.0 68.6 108.6

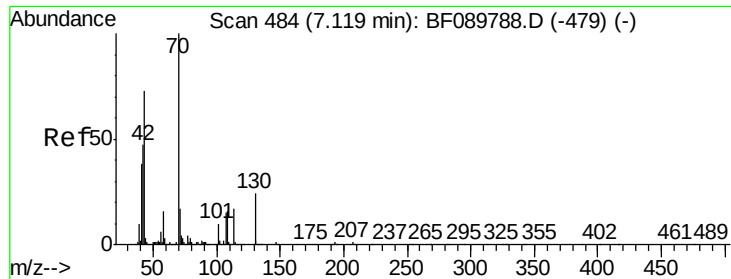


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

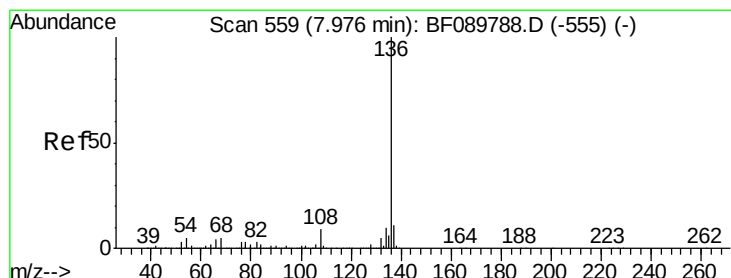
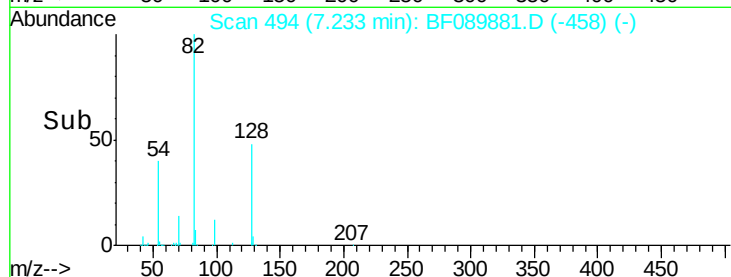
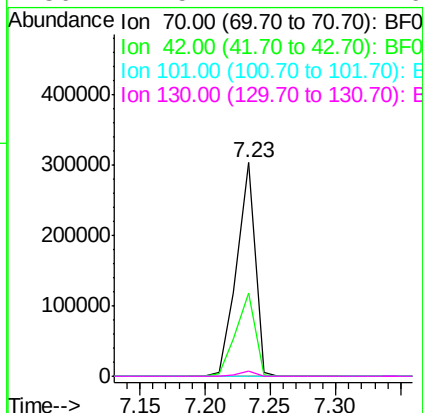
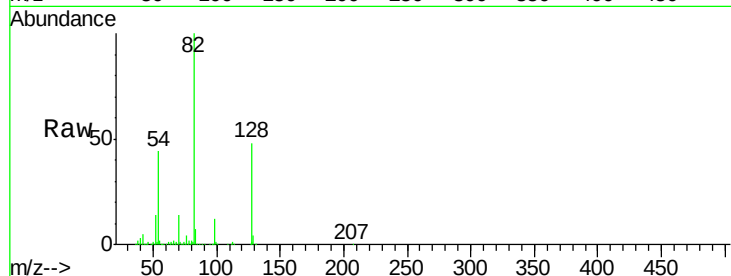




#19
n-Nitroso-di-n-propylamine
Concen: 16.09 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.11 min
Lab File: BF089881.D
Acq: 24 Aug 2016 18:14

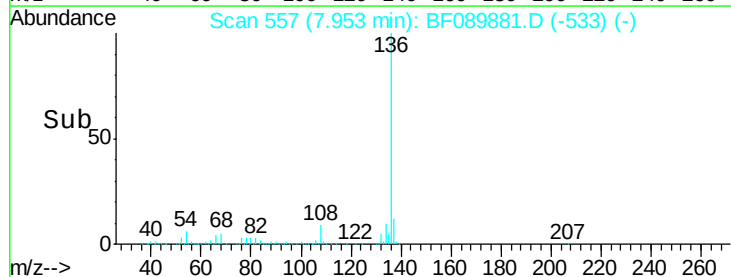
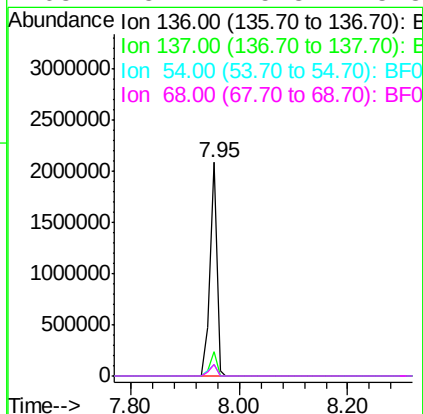
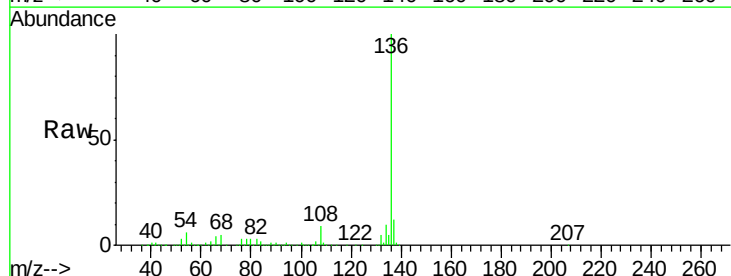
Instrument :
BNA_F
ClientSampleId :
PB93077BL

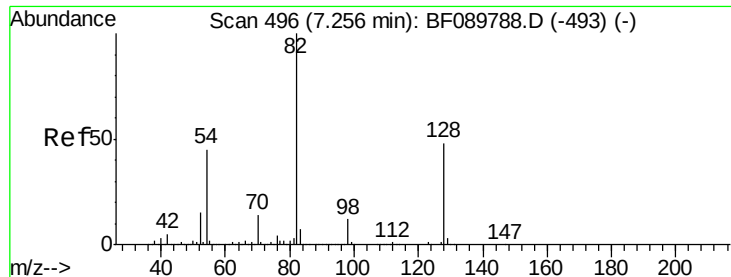
Tgt Ion:	70	Resp:	299356
Ion	Ratio	Lower	Upper
70	100		
42	39.2	46.3	69.5#
101	0.0	7.0	10.6#
130	2.5	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089881.D
Acq: 24 Aug 2016 18:14

Tgt Ion:	136	Resp:	1804254
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	5.6	7.2	10.8#
68	5.2	5.8	8.8#

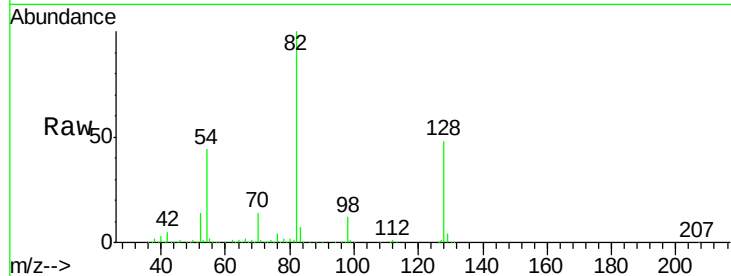




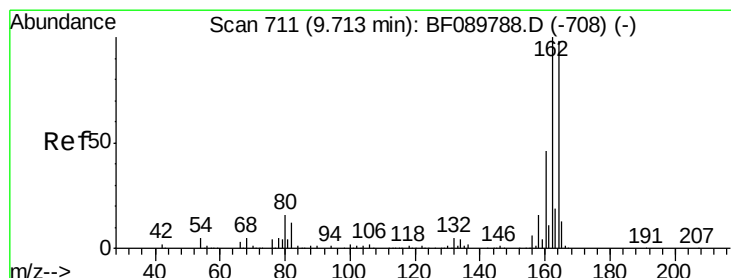
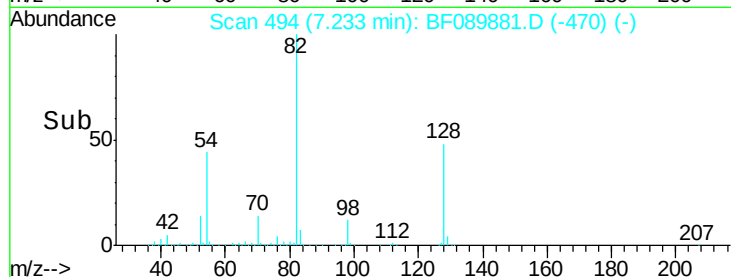
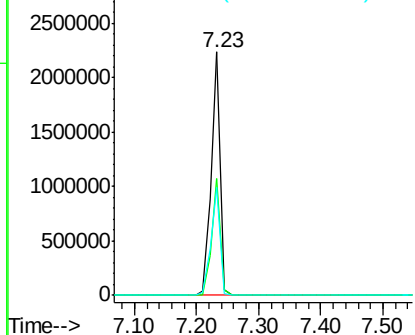
#23
 Nitrobenzene-d5
 Concen: 76.59 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: BF089881.D
 Acq: 24 Aug 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 PB93077BL

Tgt Ion: 82 Resp: 2224344
 Ion Ratio Lower Upper
 82 100
 128 47.9 34.4 51.6
 54 44.4 40.3 60.5

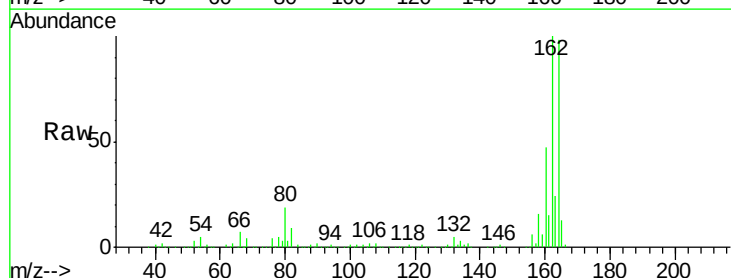


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

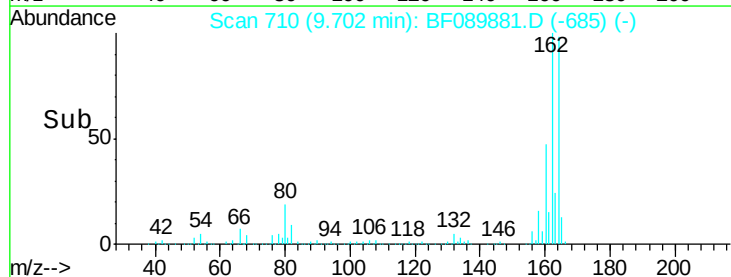
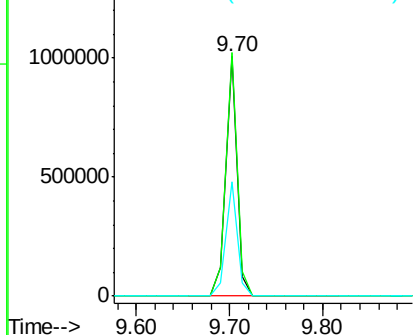


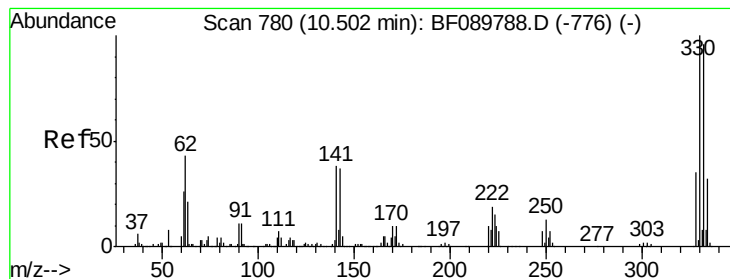
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF089881.D
 Acq: 24 Aug 2016 18:14

Tgt Ion: 164 Resp: 830899
 Ion Ratio Lower Upper
 164 100
 162 101.8 81.4 122.2
 160 47.7 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

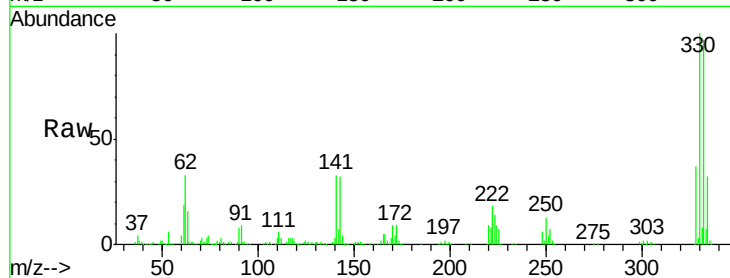




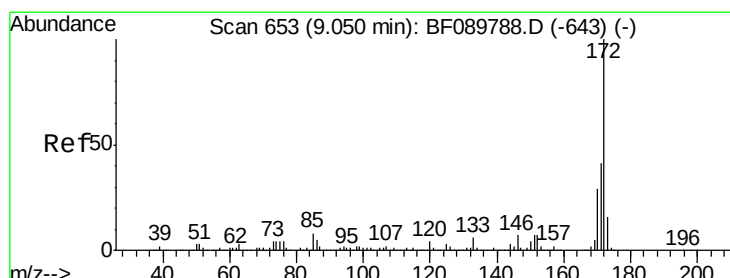
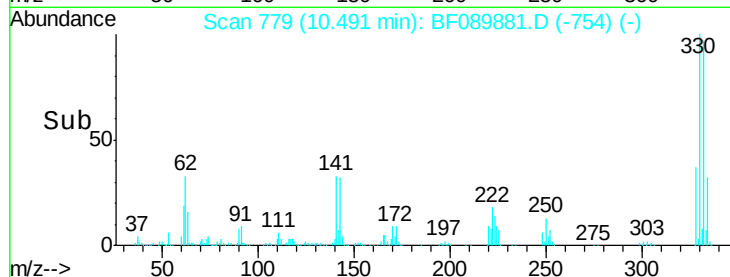
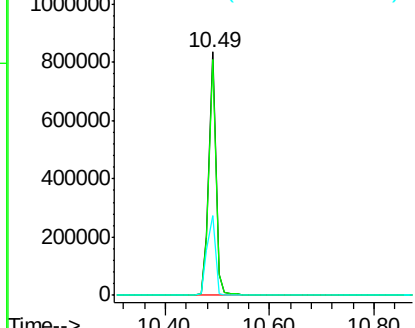
#41
 2,4,6-Tribromophenol
 Concen: 100.30 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089881.D
 Acq: 24 Aug 2016 18:14

Instrument :
 BNA_F
 ClientSampleId :
 PB93077BL

Tgt Ion:330 Resp: 792007
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.7 115.1
 141 39.5 30.2 45.2

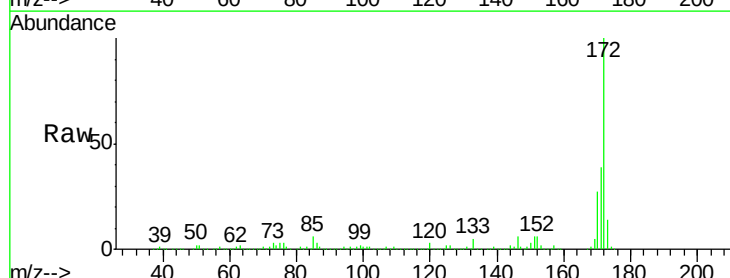


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

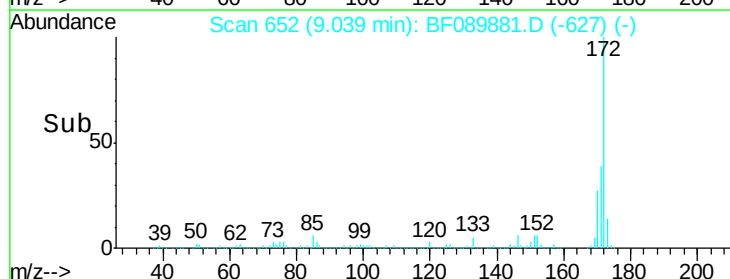
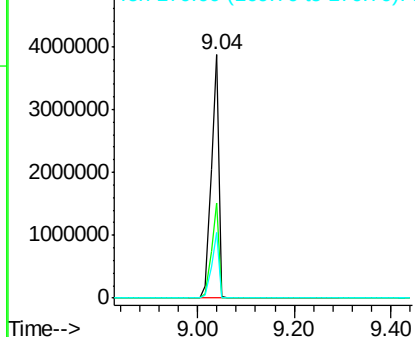


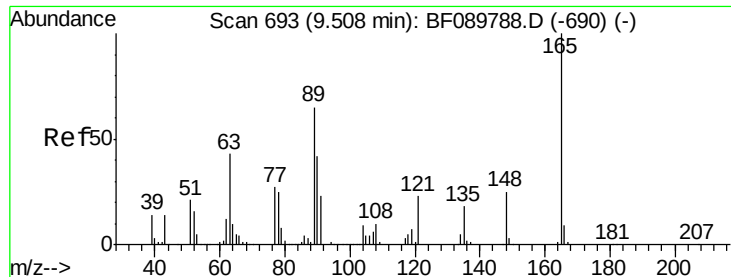
#44
 2-Fluorobiphenyl
 Concen: 89.63 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089881.D
 Acq: 24 Aug 2016 18:14

Tgt Ion:172 Resp: 4237423
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.5 45.7
 170 27.2 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: 8.06 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

Instrument :

BNA_F

ClientSampleId :

PB93077BL

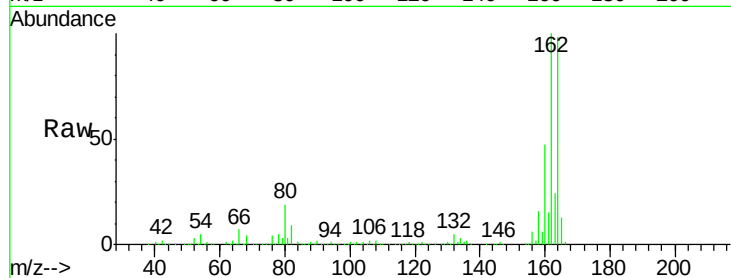
Tgt Ion:165 Resp: 108858

Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

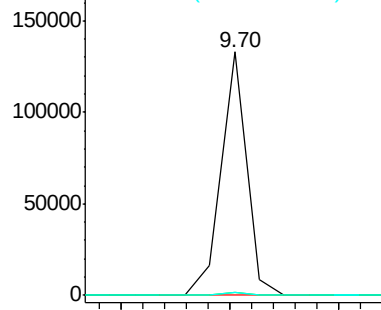
89 1.3 44.6 67.0#



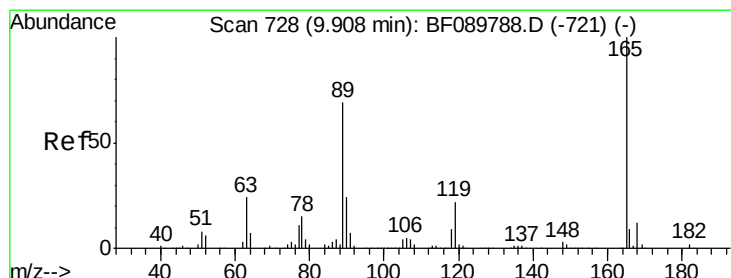
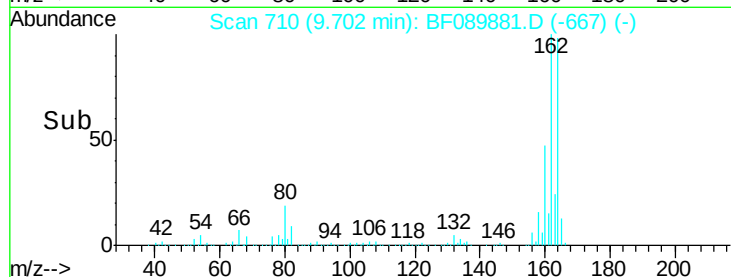
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.21 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

Tgt Ion:165 Resp: 108839

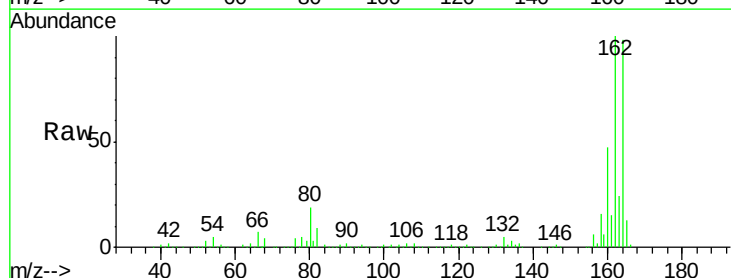
Ion Ratio Lower Upper

165 100

63 1.1 23.7 35.5#

89 1.3 44.0 66.0#

182 0.0 2.0 3.0#

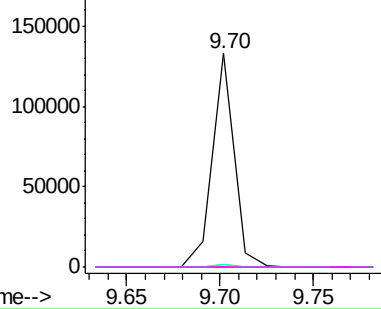


Abundance Ion 165.00 (164.70 to 165.70): E

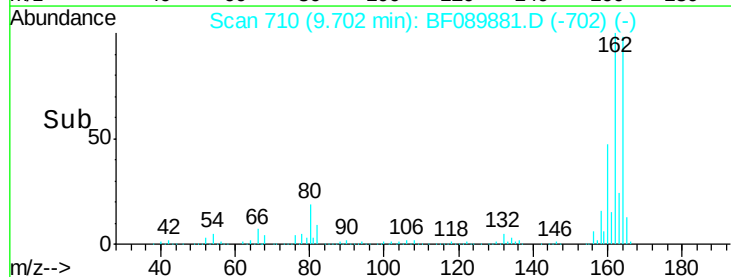
Ion 63.00 (62.70 to 63.70): BF0

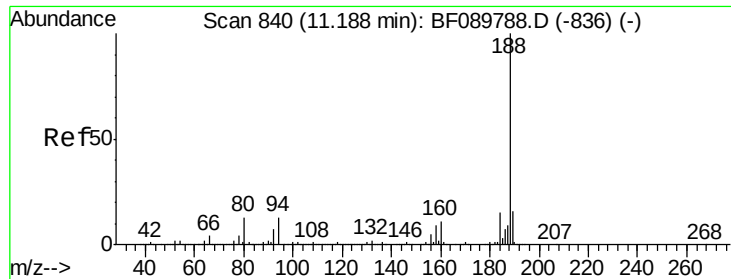
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->

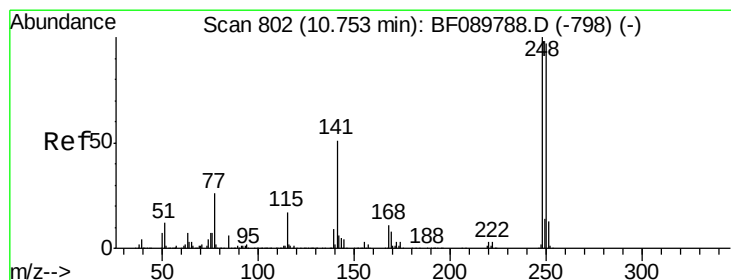
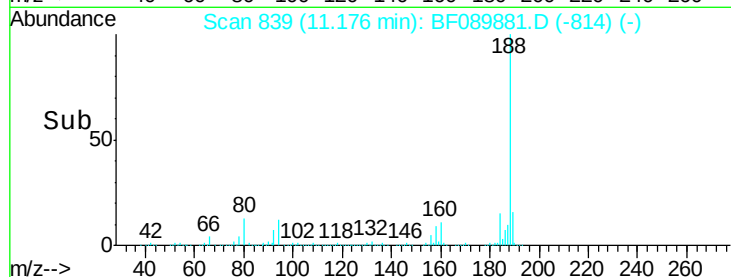
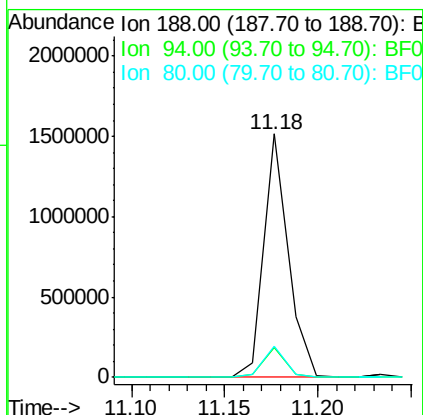
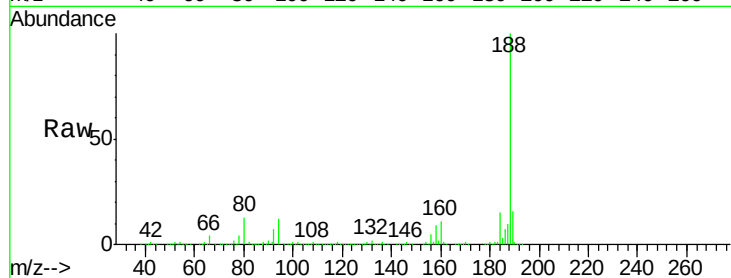




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089881.D
Acq: 24 Aug 2016 18:14

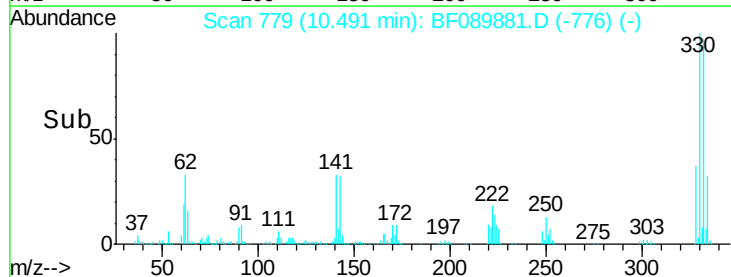
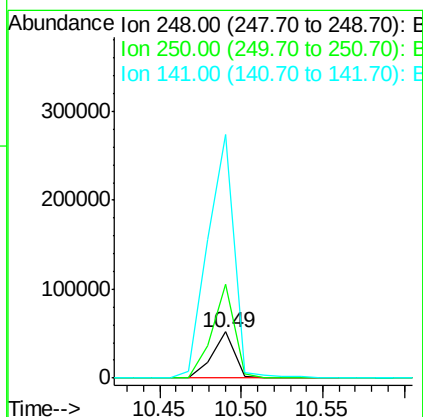
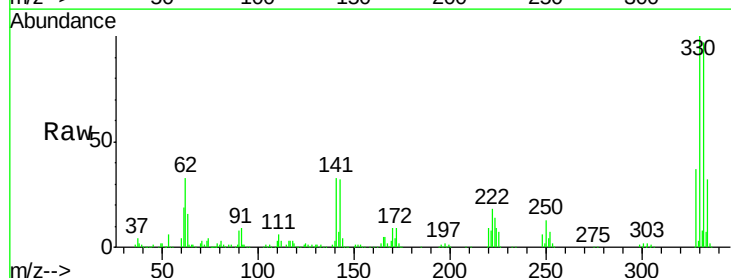
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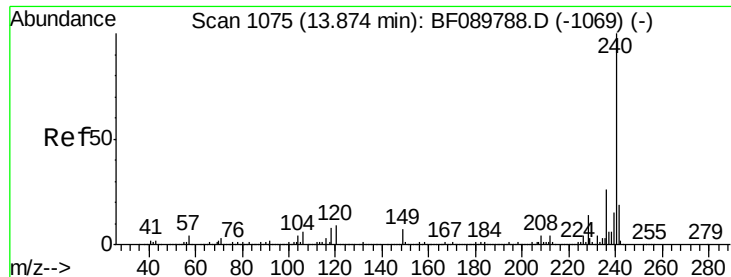
Tgt Ion:188 Resp: 1371087
Ion Ratio Lower Upper
188 100
94 12.3 10.2 15.2
80 13.0 10.9 16.3



#66
4-Bromophenyl-phenylether
Concen: 3.46 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.26 min
Lab File: BF089881.D
Acq: 24 Aug 2016 18:14

Tgt Ion:248 Resp: 49785
Ion Ratio Lower Upper
248 100
250 202.3 78.6 117.8#
141 528.0 31.4 47.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

Instrument :

BNA_F

ClientSampleId :

PB93077BL

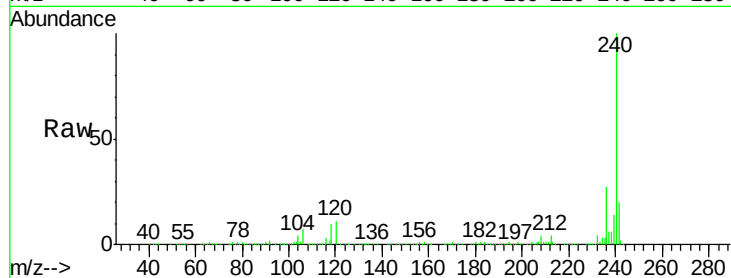
Tgt Ion:240 Resp: 1085630

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

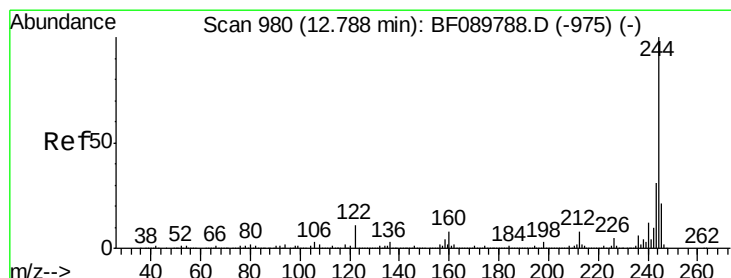
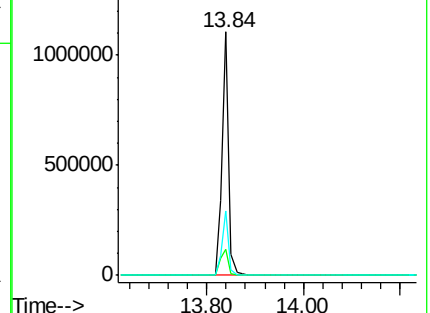
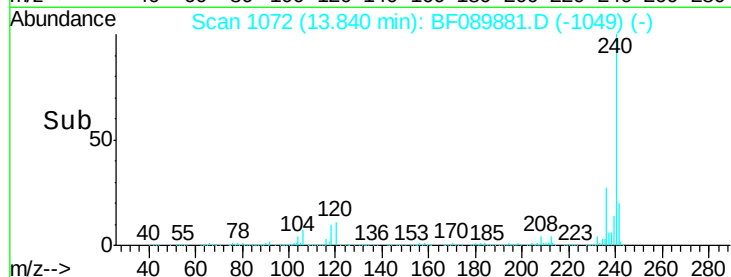
236 26.5 21.3 31.9



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: 70.17 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089881.D

Acq: 24 Aug 2016 18:14

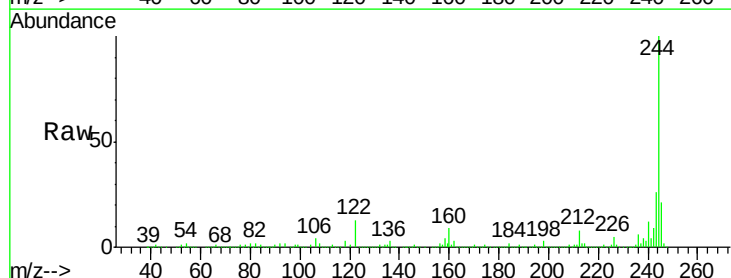
Tgt Ion:244 Resp: 3367171

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

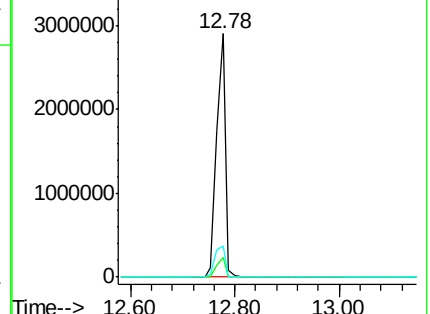
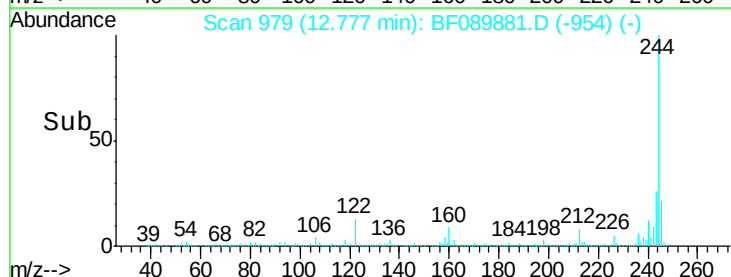
122 12.9 12.0 18.0

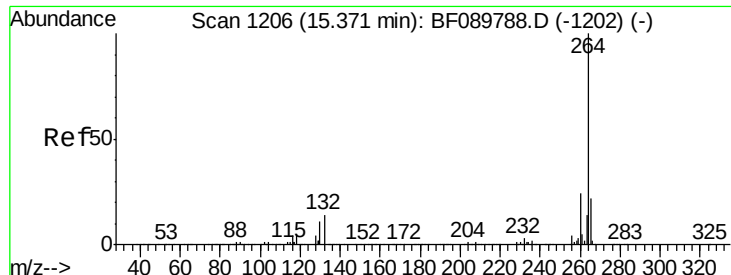


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

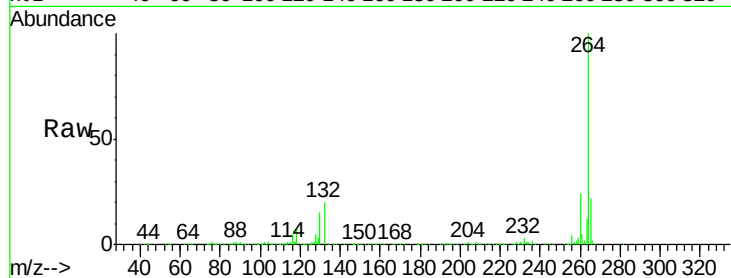




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.06 min
Lab File: BF089881.D
Acq: 24 Aug 2016 18:14

Instrument :
BNA_F
ClientSampleId :
PB93077BL

Tgt Ion:	264	Resp:	826061
Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.2	30.2
265	21.8	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

