

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082416\
 Data File : BF089872.D
 Acq On : 24 Aug 2016 14:15
 Operator : UM/SJ
 Sample : H4551-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 24 18:42:02 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

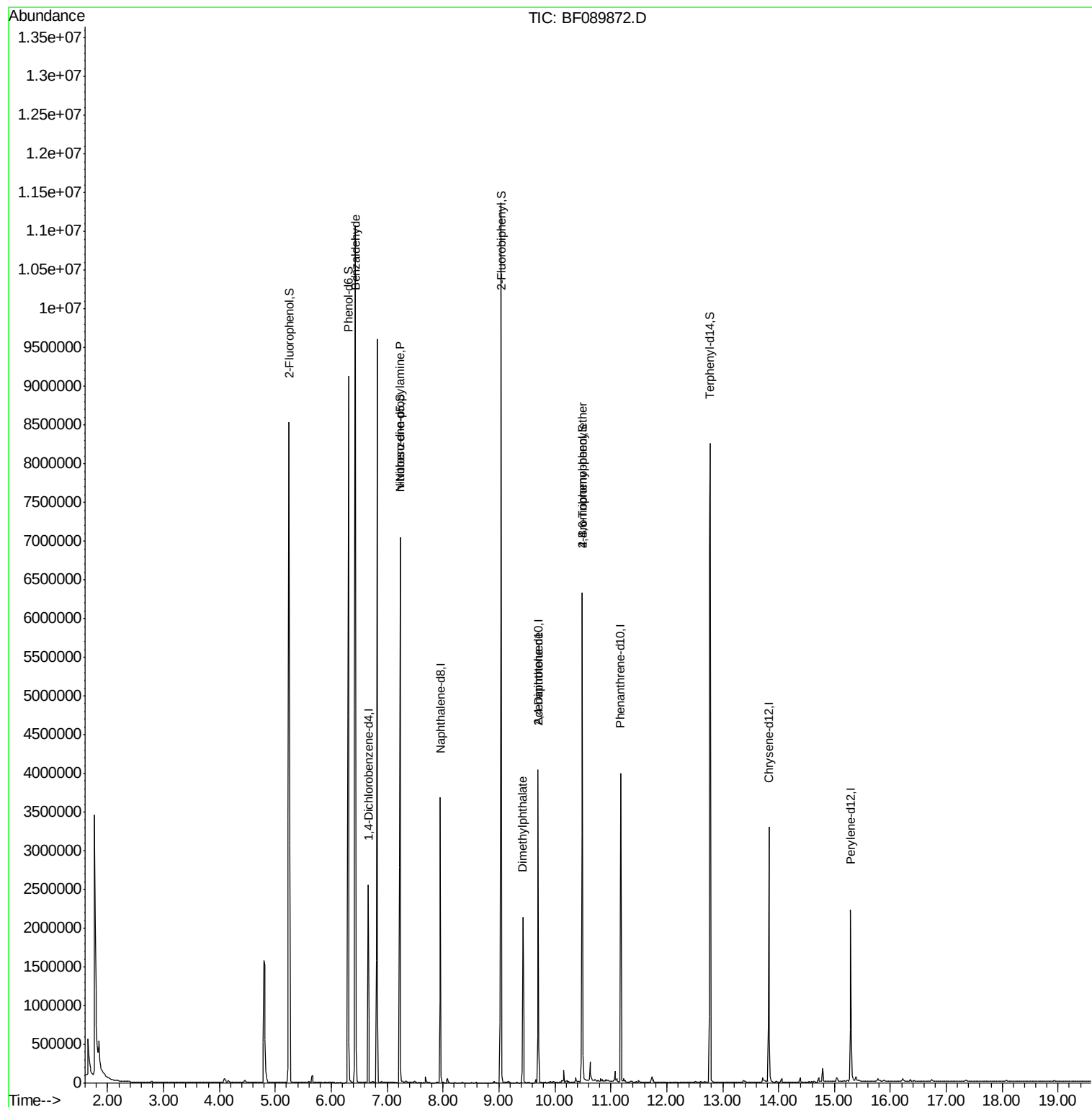
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	400178	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	1732959	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	768516	20.00	ng	-0.03
63) Phenanthrene-d10	11.18	188	1368289	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	1132280	20.00	ng	-0.07
86) Perylene-d12	15.29	264	920811	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	3321363	138.48	ng	-0.03
7) Phenol-d6	6.31	99	3883442	127.30	ng	-0.02
23) Nitrobenzene-d5	7.23	82	2467963	86.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	891956	119.97	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	4214928	88.01	ng	-0.03
78) Terphenyl-d14	12.78	244	3562197	93.99	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.43	77	77560	3.84	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.23	70	340109	17.02	ng	# 73
49) Dimethylphthalate	9.43	163	1003386	18.04	ng	100
56) 2,4-Dinitrotoluene	9.70	165	101560	6.28	ng	# 35
66) 4-Bromophenyl-phenylether	10.49	248	56307	3.97	ng	# 1

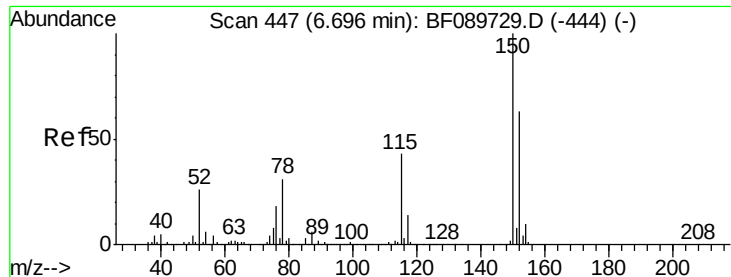
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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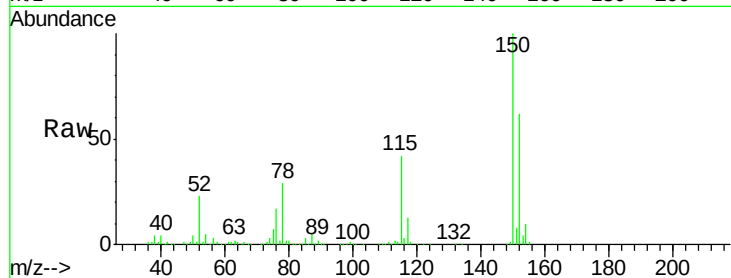


#1

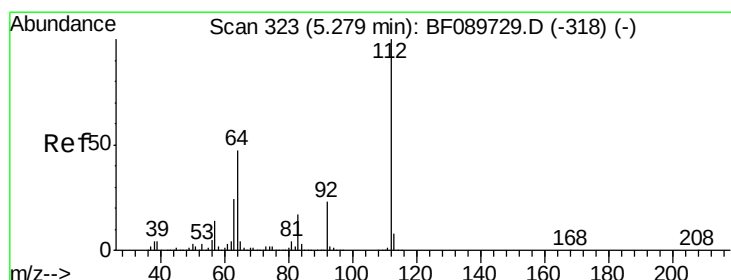
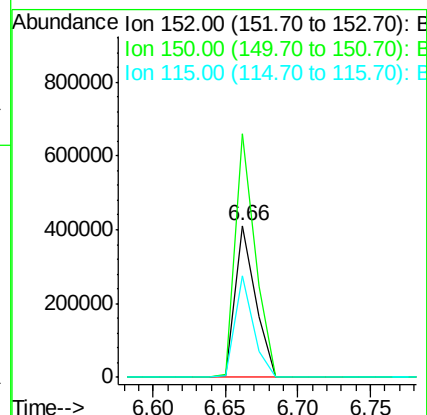
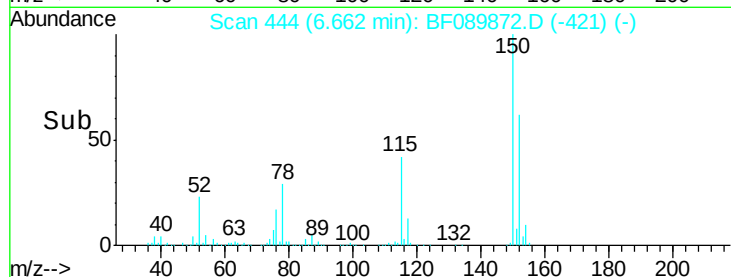
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 400178
Ion Ratio Lower Upper
152 100
150 160.2 125.3 187.9
115 66.5 40.9 61.3#



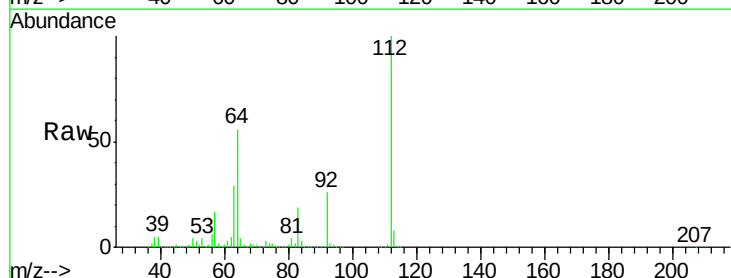
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



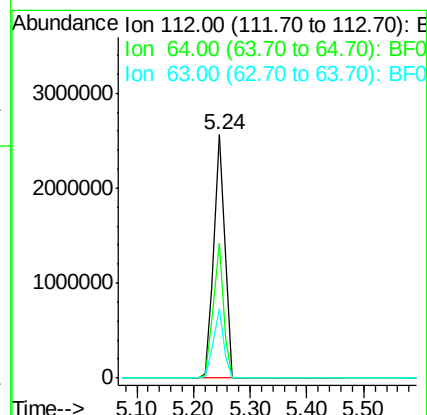
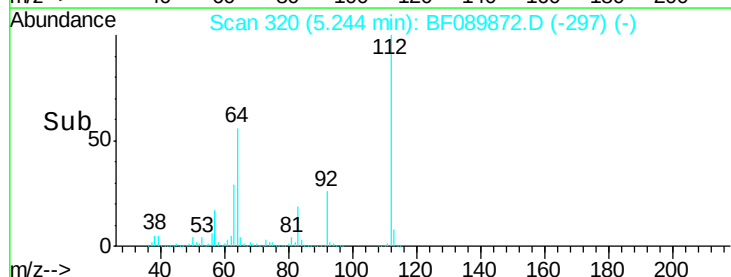
#5

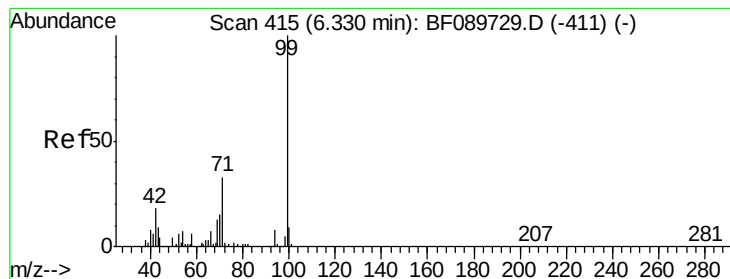
2-Fluorophenol
Concen: 138.48 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.03 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Tgt Ion:112 Resp: 3321363
Ion Ratio Lower Upper
112 100
64 55.6 45.0 67.4
63 28.7 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: 127.30 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

Instrument :

BNA_F

ClientSampleId :

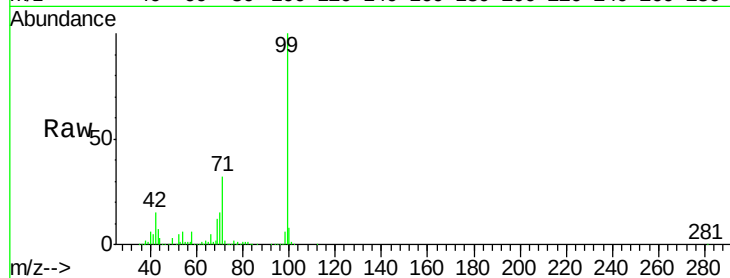
Tot Ion: 99 Resp: 3883442

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.4

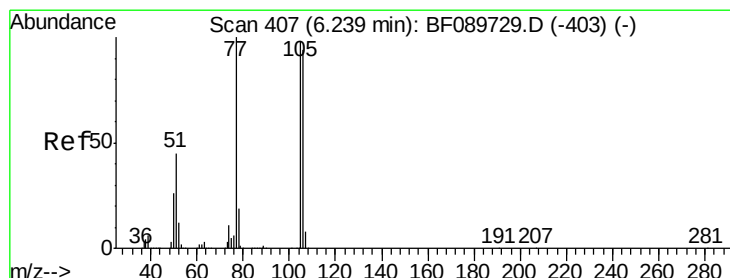
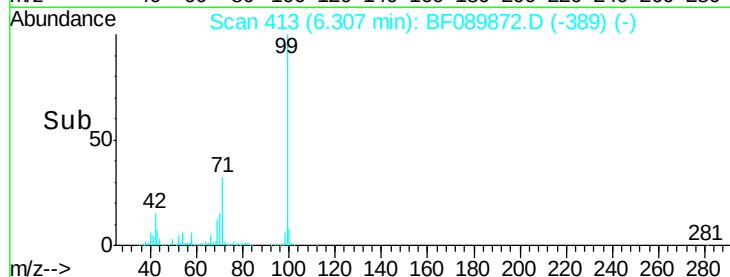
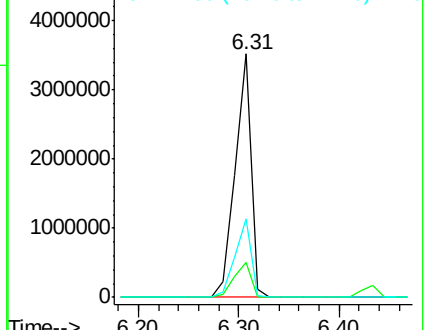
71 32.0 23.8 35.8



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: 3.84 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.19 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

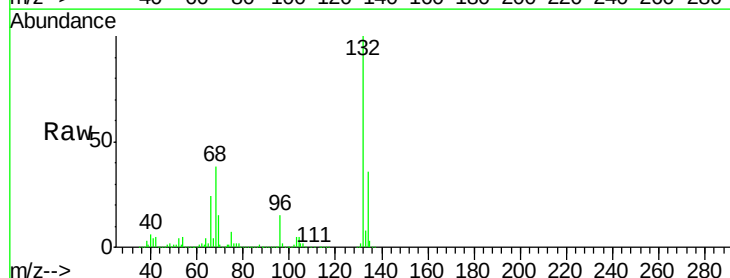
Tgt Ion: 77 Resp: 77560

Ion Ratio Lower Upper

77 100

105 85.1 73.3 113.3

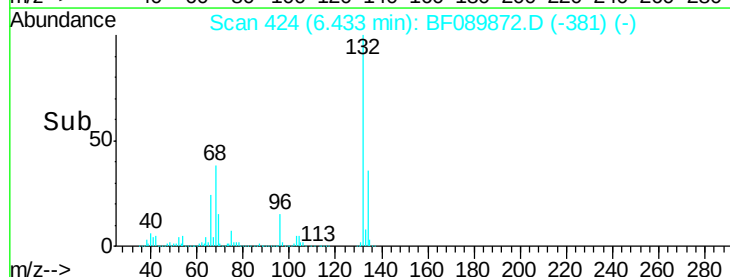
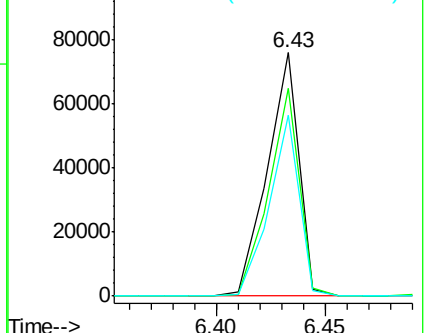
106 74.5 68.6 108.6

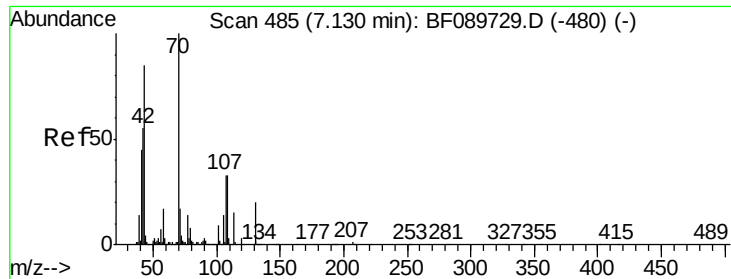


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

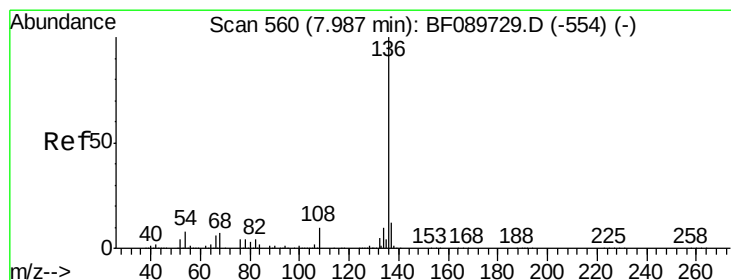
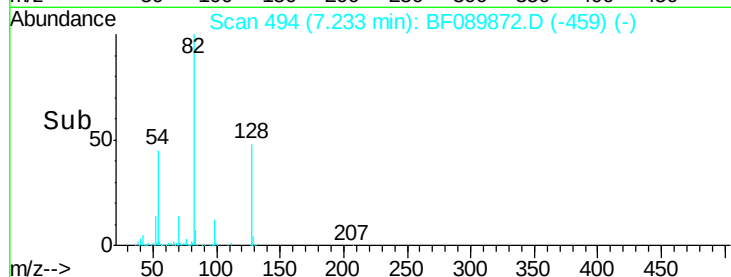
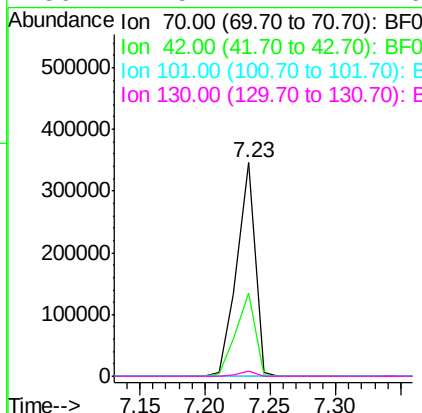
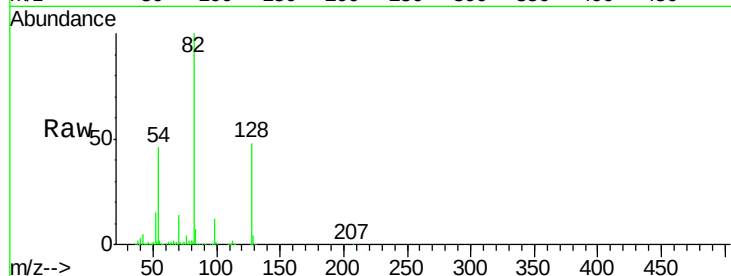




#19
n-Nitroso-di-n-propylamine
Concen: 17.02 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.10 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

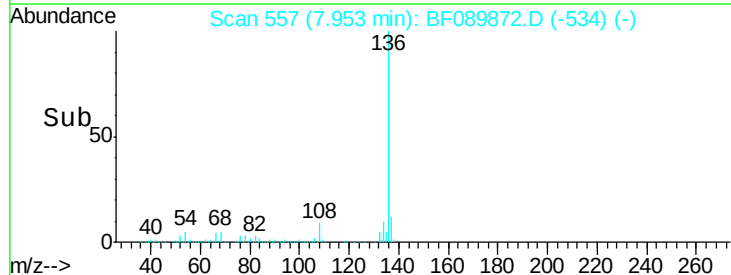
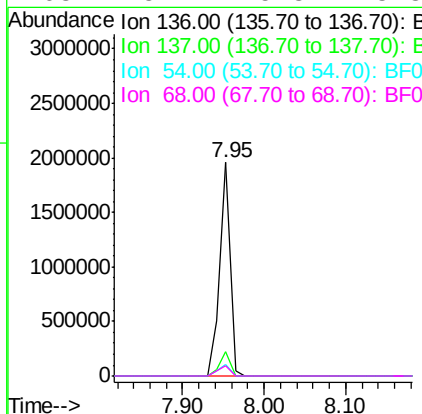
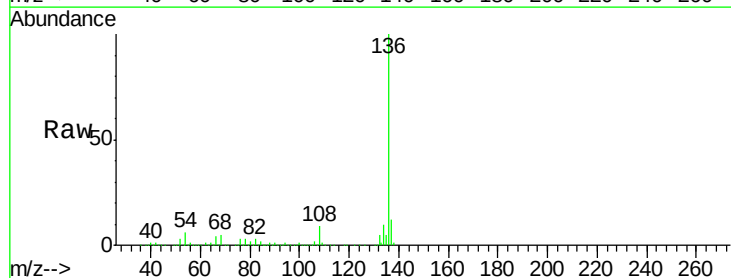
Instrument :
BNA_F
ClientSampleId :

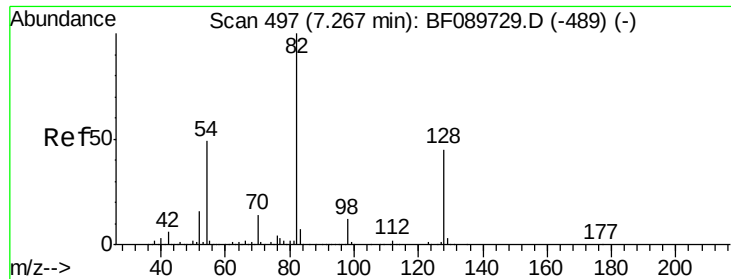
Tot Ion:	70	Resp:	340109
Ion	Ratio	Lower	Upper
70	100		
42	39.1	46.3	69.5#
101	0.0	7.0	10.6#
130	2.5	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.03 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Tgt Ion:	136	Resp:	1732959
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	5.5	7.2	10.8#
68	5.1	5.8	8.8#





#23

Nitrobenzene-d5

Concen: 86.96 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.03 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

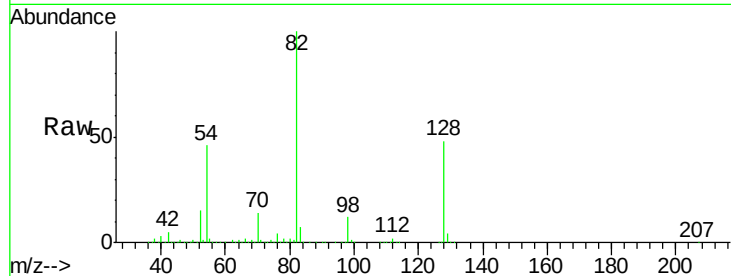
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 2467963

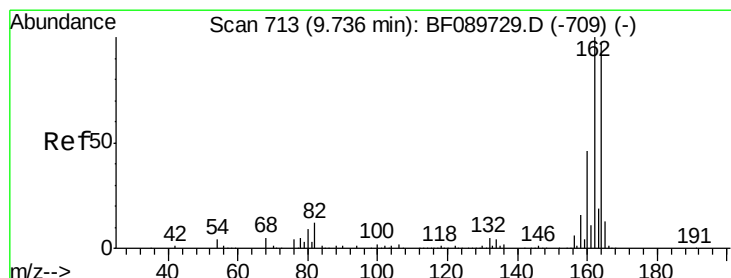
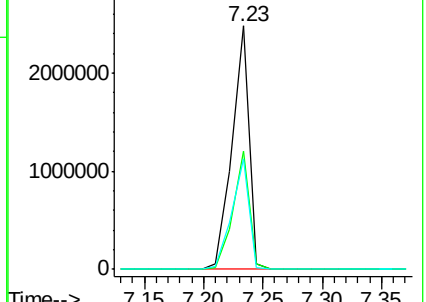
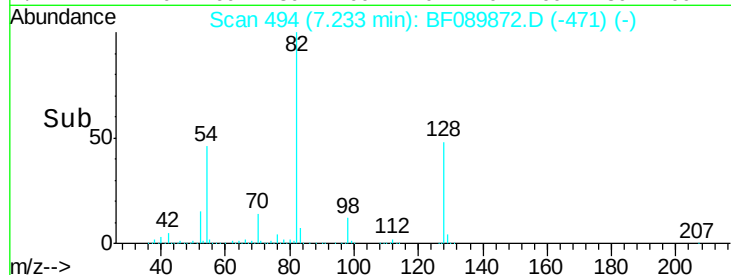
Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.4	51.6
54	45.6	40.3	60.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

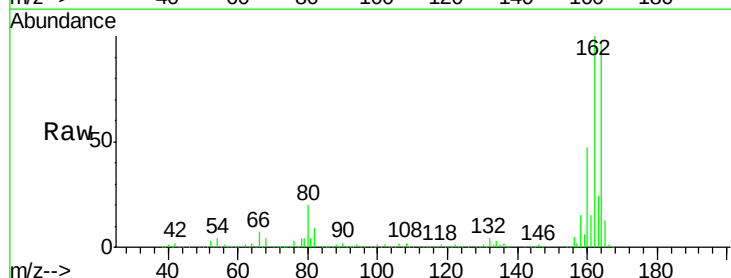
Delta R.T. -0.03 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

Tgt Ion: 164 Resp: 768516

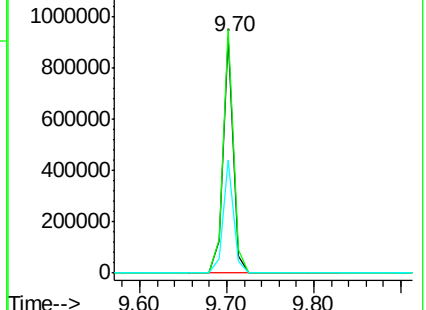
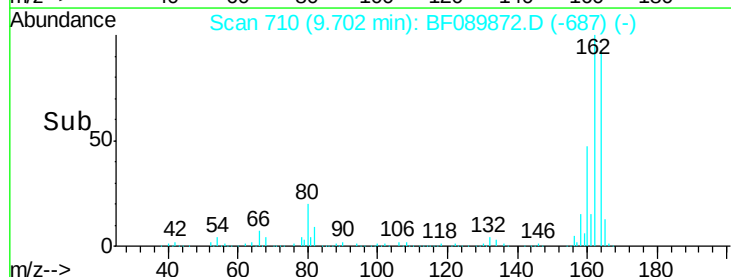
Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.4	122.2
160	47.9	37.8	56.6

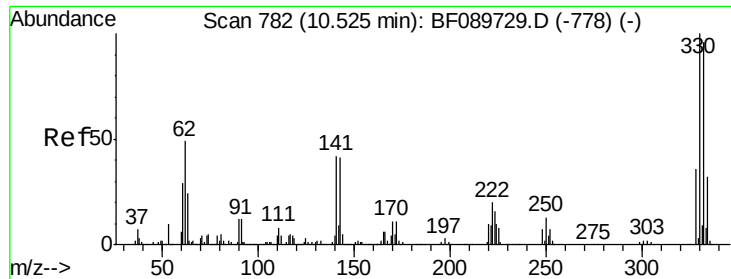


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

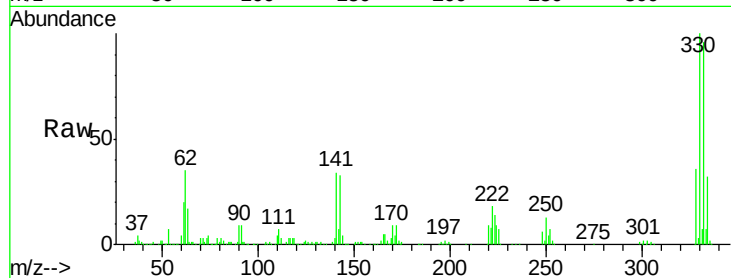




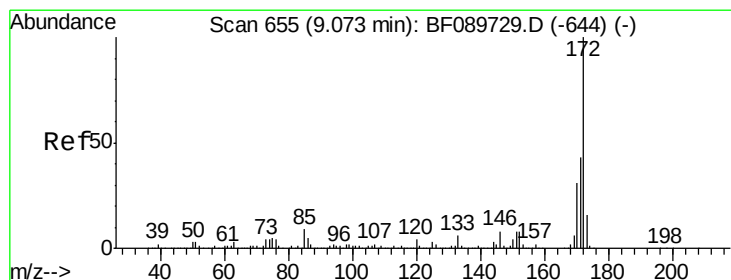
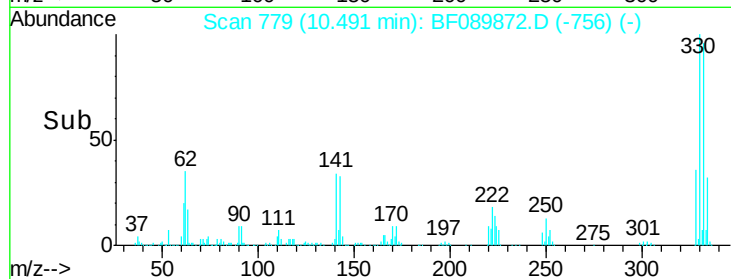
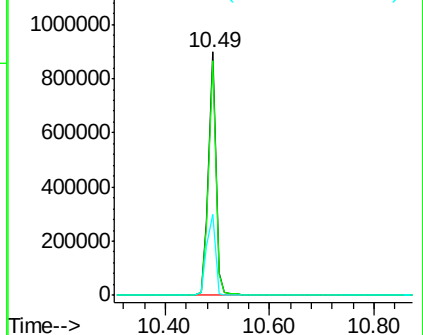
#41
 2,4,6-Tribromophenol
 Concen: 119.97 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: BF089872.D
 Acq: 24 Aug 2016 14:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	39.7	30.2	45.2

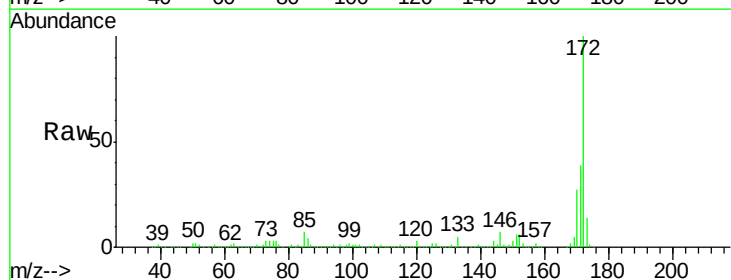


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

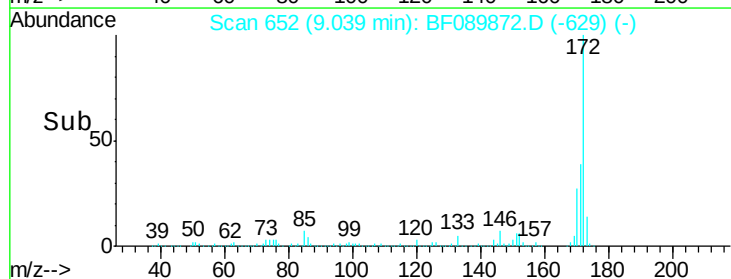
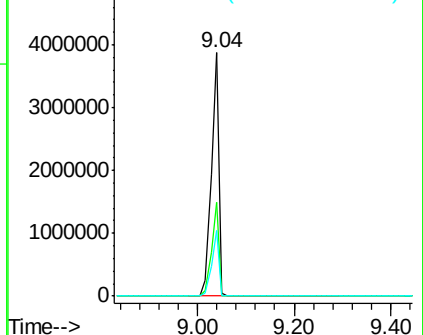


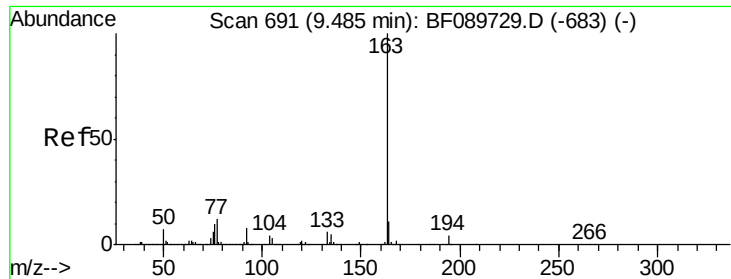
#44
 2-Fluorobiphenyl
 Concen: 88.01 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089872.D
 Acq: 24 Aug 2016 14:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.5	45.7
170	27.1	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





#49

Dimethylphthalate

Concen: 18.04 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

Instrument :

BNA_F

ClientSampleId :

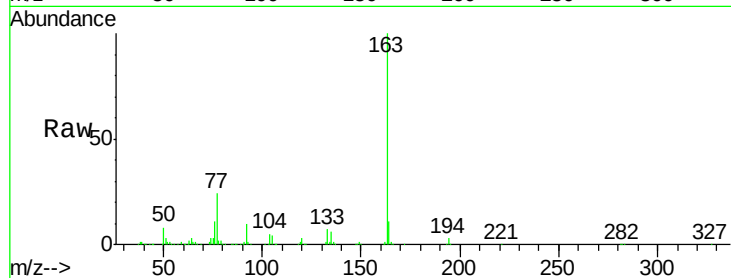
Tot Ion:163 Resp: 1003386

Ion Ratio Lower Upper

163 100

194 2.9 2.6 3.8

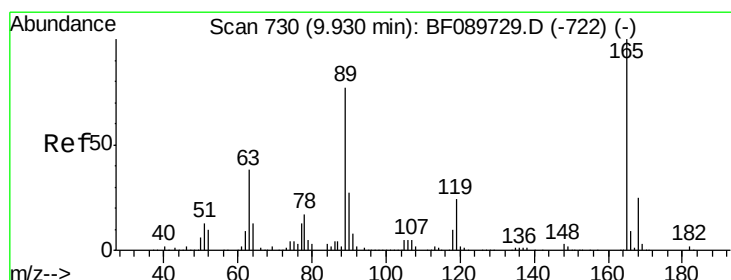
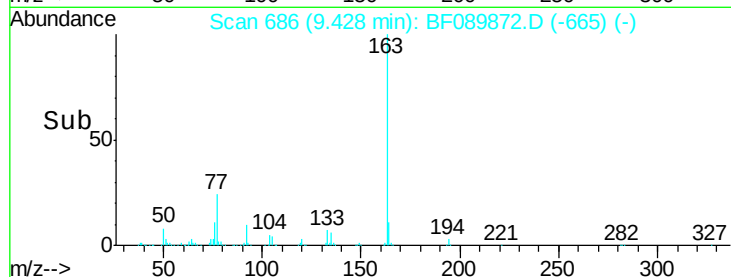
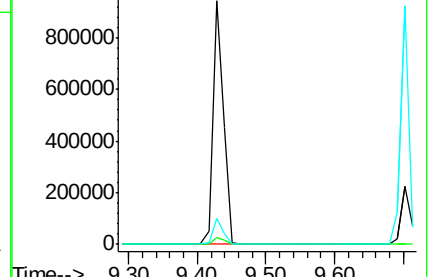
164 10.7 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.23 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

Tgt Ion:165 Resp: 101560

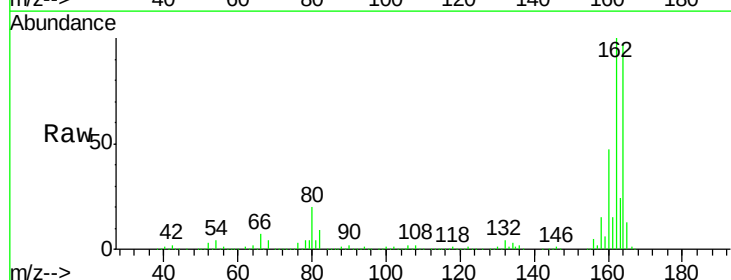
Ion Ratio Lower Upper

165 100

63 0.9 23.7 35.5#

89 1.1 44.0 66.0#

182 0.0 2.0 3.0#

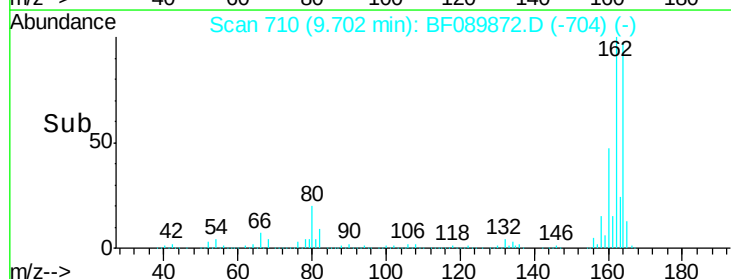
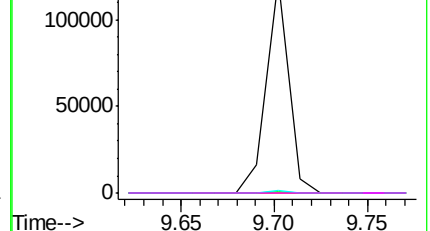


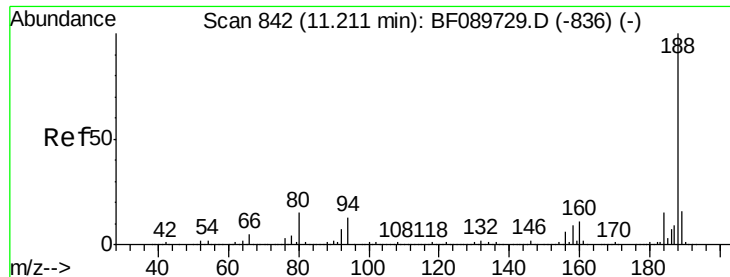
Abundance Ion 165.00 (164.70 to 165.70): E

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

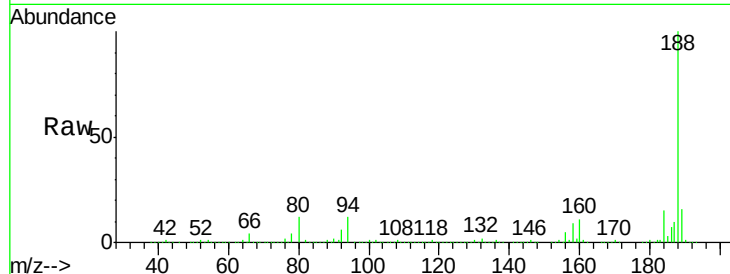




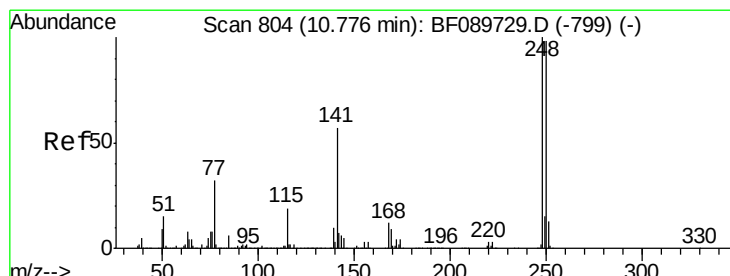
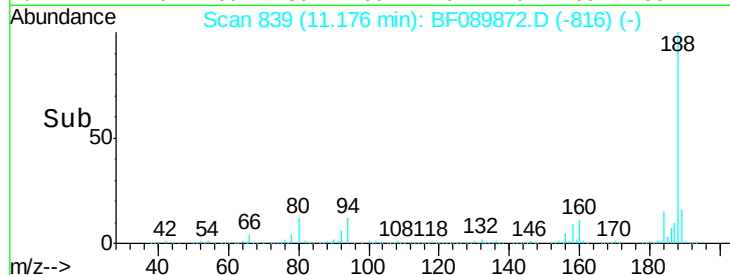
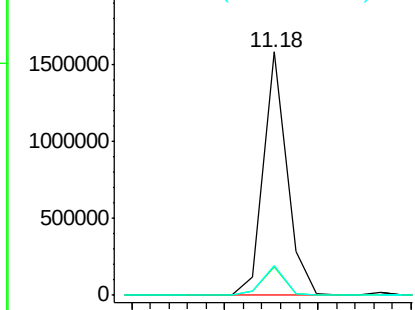
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.03 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 1368289
Ion Ratio Lower Upper
188 100
94 11.8 10.2 15.2
80 12.3 10.9 16.3

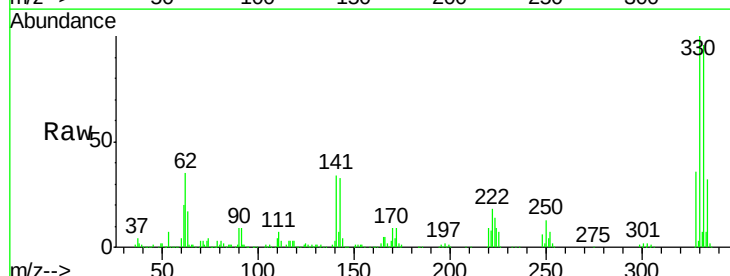


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

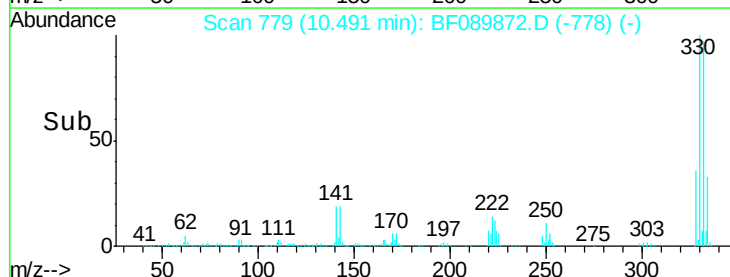
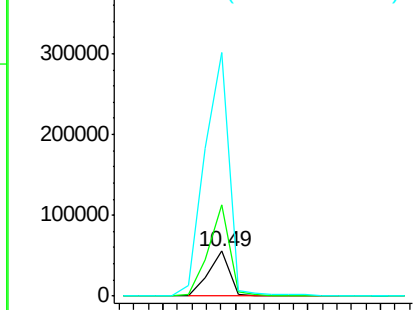


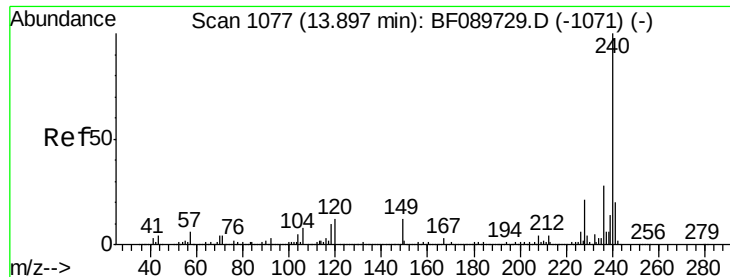
#66
4-Bromophenyl-phenylether
Concen: 3.97 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Tgt Ion:248 Resp: 56307
Ion Ratio Lower Upper
248 100
250 205.1 78.6 117.8#
141 545.3 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: 13.83 min Scan# 1071

Delta R.T. -0.07 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

Instrument :

BNA_F

ClientSampleId :

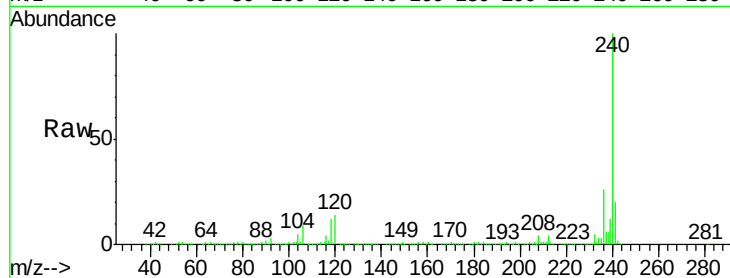
Tot Ion:240 Resp: 1132280

Ion Ratio Lower Upper

240 100

120 14.1 8.3 12.5#

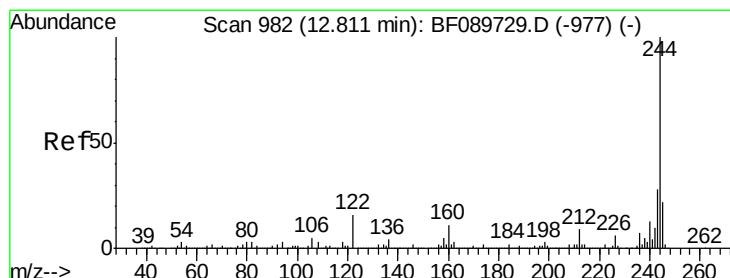
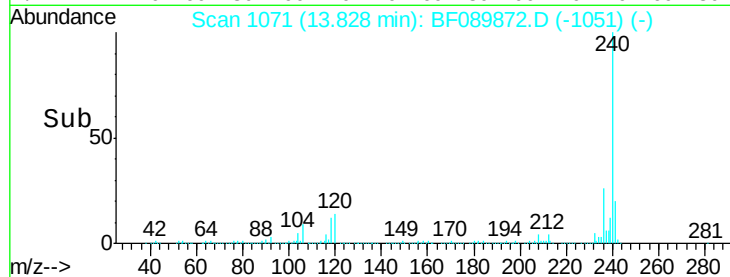
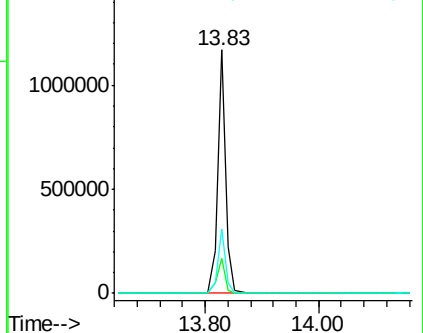
236 26.2 21.3 31.9



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: 93.99 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.03 min

Lab File: BF089872.D

Acq: 24 Aug 2016 14:15

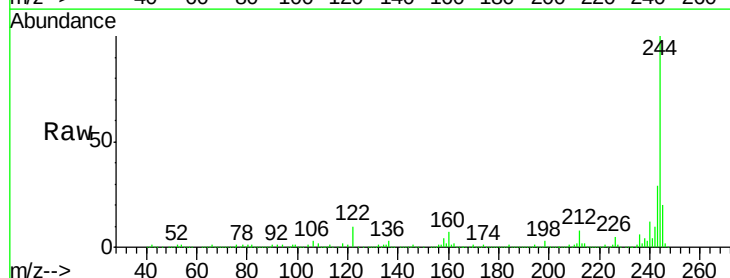
Tgt Ion:244 Resp: 3562197

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

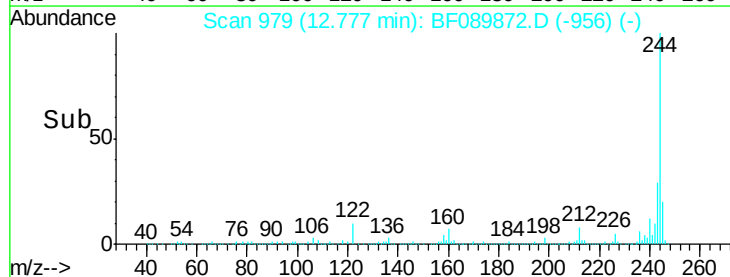
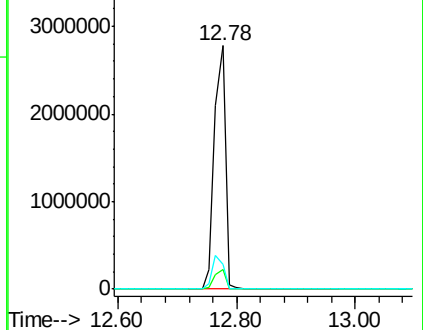
122 10.3 12.0 18.0#

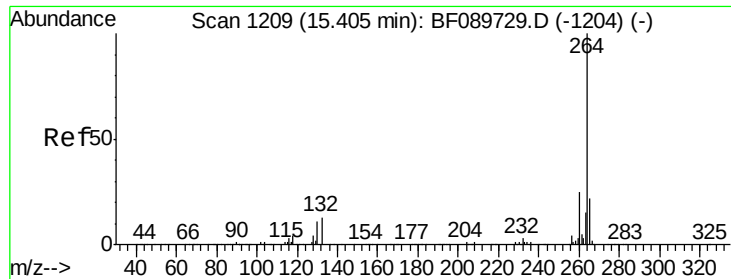


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.11 min
Lab File: BF089872.D
Acq: 24 Aug 2016 14:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 920811
Ion Ratio Lower Upper
264 100
260 24.3 20.2 30.2
265 21.8 17.4 26.2

