

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088173.D
 Acq On : 20 Jun 2016 15:33
 Operator : UM/SJ
 Sample : PB91373BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91373BL

Quant Time: Jun 20 18:01:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

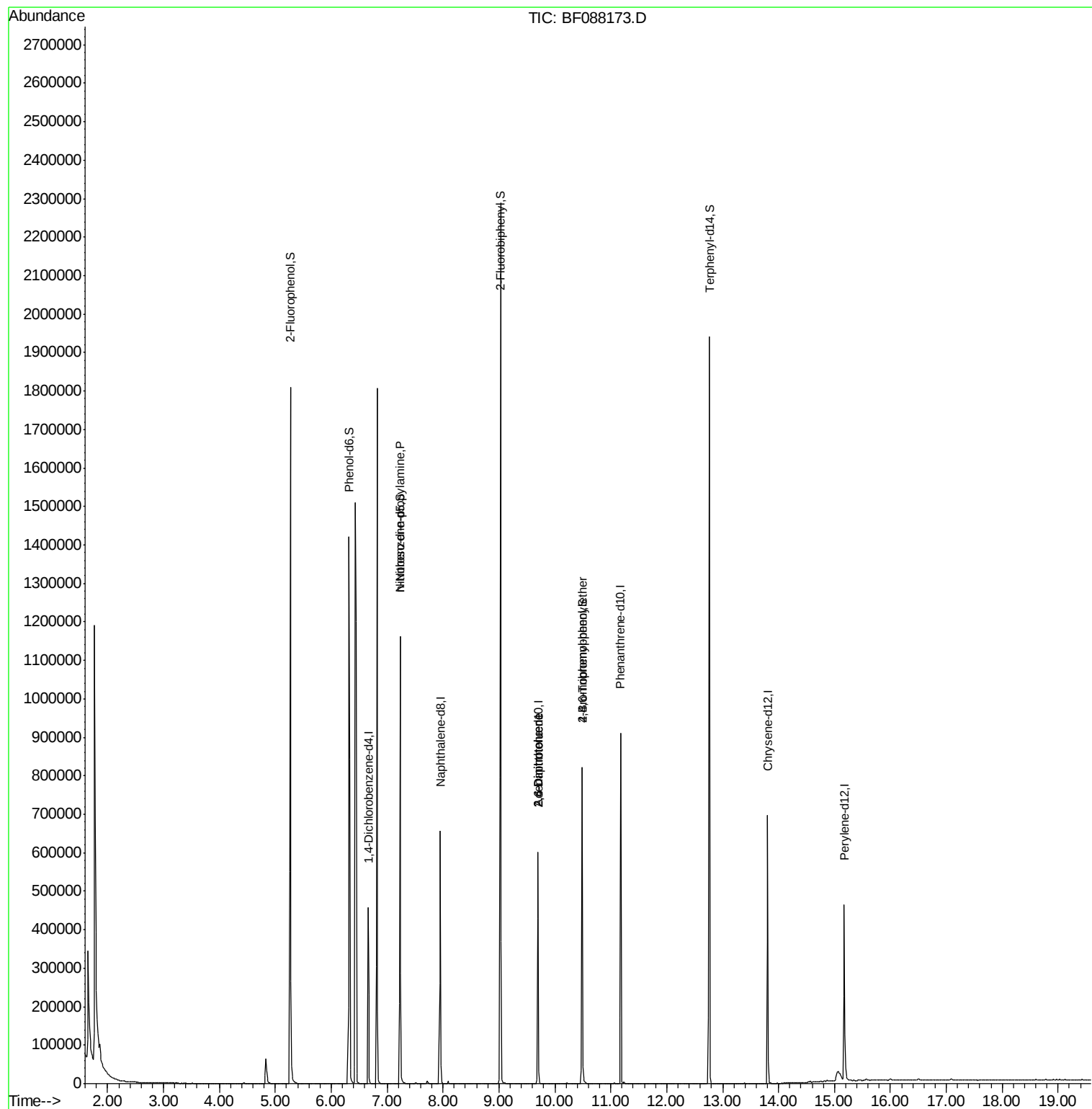
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	86107	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	353328	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	162535	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	328155	20.00	ng	0.00
75) Chrysene-d12	13.81	240	285947	20.00	ng	0.00
86) Perylene-d12	15.18	264	212567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	580300	115.21	ng	0.01
7) Phenol-d6	6.32	99	699863	114.65	ng	-0.01
23) Nitrobenzene-d5	7.23	82	418228	69.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	159809	93.12	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	831154	80.01	ng	-0.01
78) Terphenyl-d14	12.77	244	892394	71.02	ng	0.00
Target Compounds						
10) Phenol	6.43	94	1066	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	52485	13.44 ng	#	72
45) 1,1'-Biphenyl	9.03	154	1459	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.70	165	20595	7.64 ng	#	37
56) 2,4-Dinitrotoluene	9.70	165	20595	5.94 ng	#	36
57) Fluorene	10.48	166	7324	Below Cal	#	88
66) 4-Bromophenyl-phenylether	10.49	248	10238	2.91 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. -0.01 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

PB91373BL

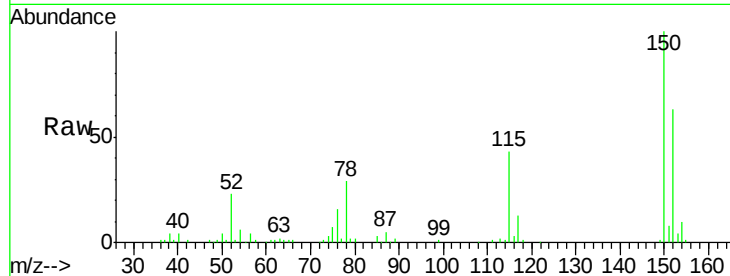
Tgt Ion:152 Resp: 86107

Ion Ratio Lower Upper

152 100

150 157.6 123.8 185.6

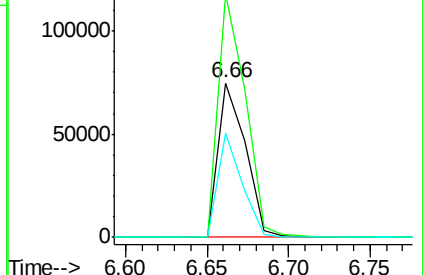
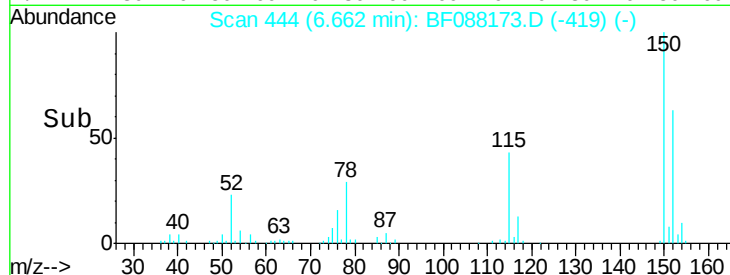
115 67.8 39.6 59.4#



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: 115.21 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

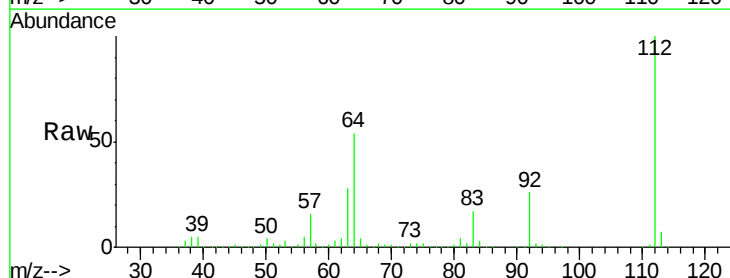
Tgt Ion:112 Resp: 580300

Ion Ratio Lower Upper

112 100

64 54.2 42.2 63.2

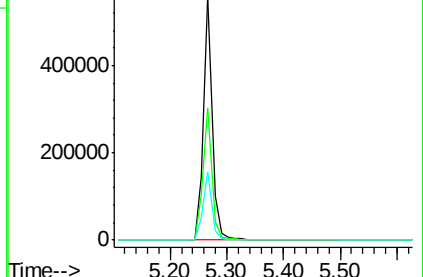
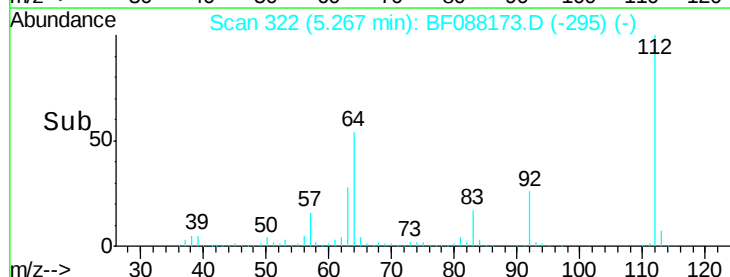
63 28.0 21.8 32.8



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: 114.65 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

PB91373BL

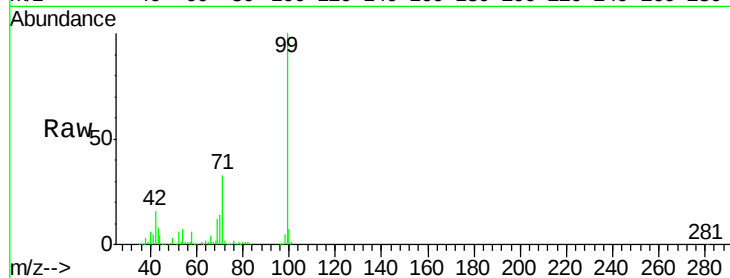
Tgt Ion: 99 Resp: 699863

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

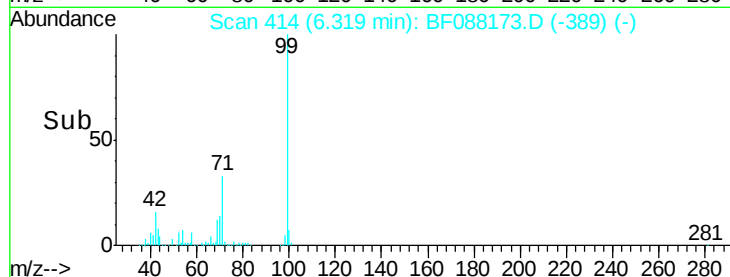
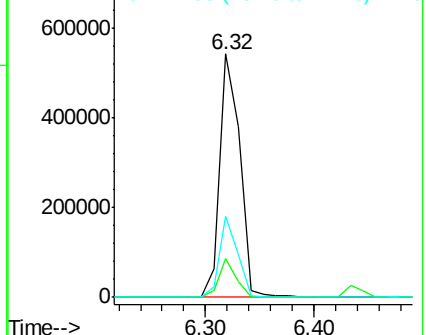
71 33.4 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. 0.09 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

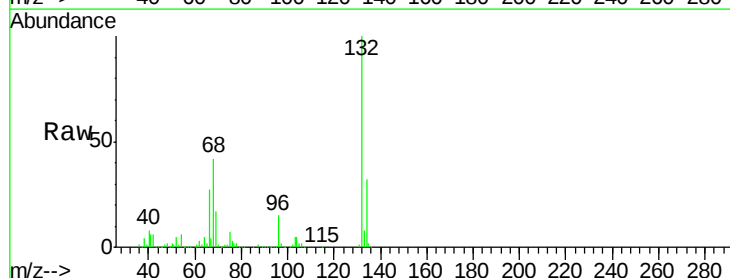
Tgt Ion: 94 Resp: 1066

Ion Ratio Lower Upper

94 100

65 1040.7 5.9 45.9#

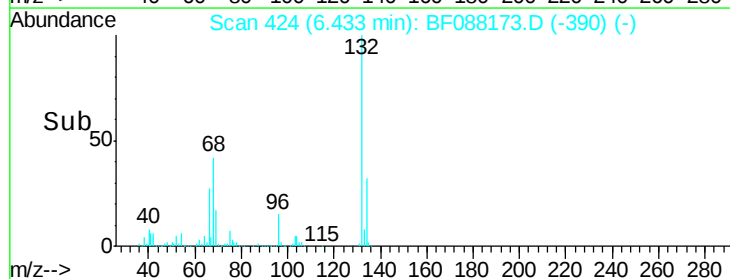
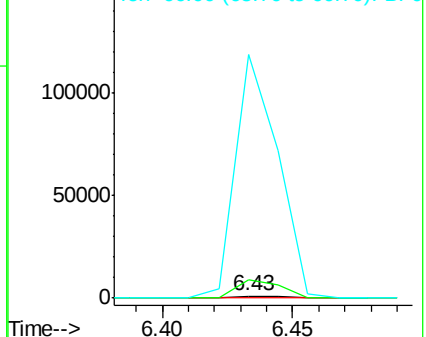
66 13958.7 14.0 54.0#

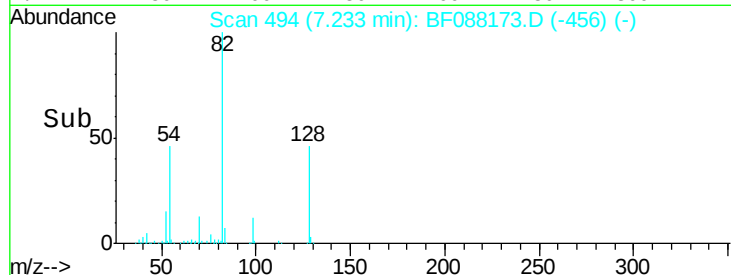
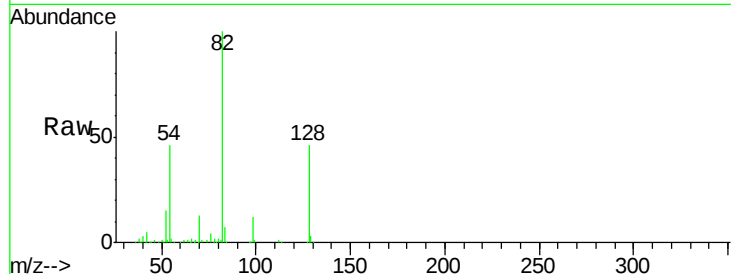


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

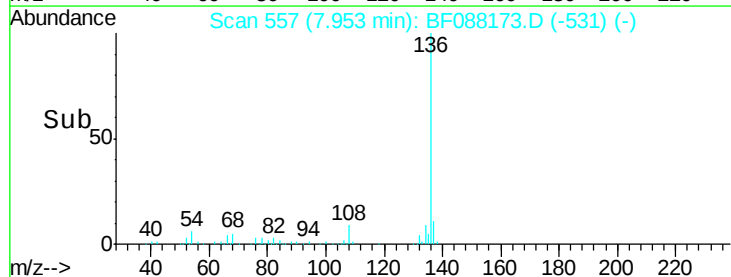
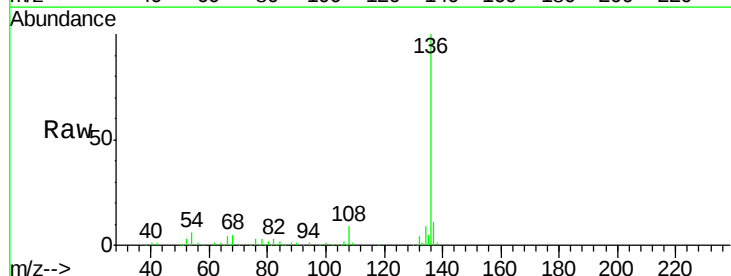
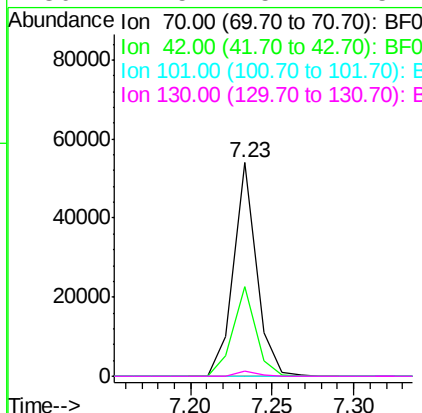




#19
n-Nitroso-di-n-propylamine
Concen: 13.44 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.14 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

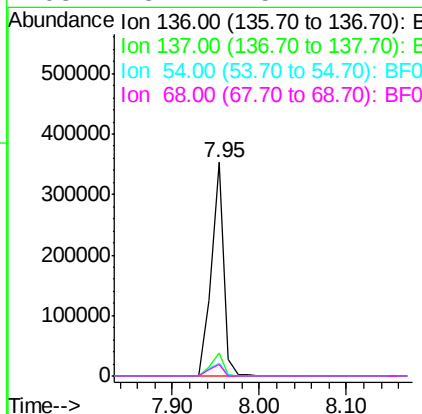
Instrument :
BNA_F
ClientSampleId :
PB91373BL

Tgt Ion:	70	Resp:	52485
Ion	Ratio	Lower	Upper
70	100		
42	42.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.5	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Tgt Ion:	136	Resp:	353328
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.8	6.6	10.0#
68	5.1	5.1	7.7

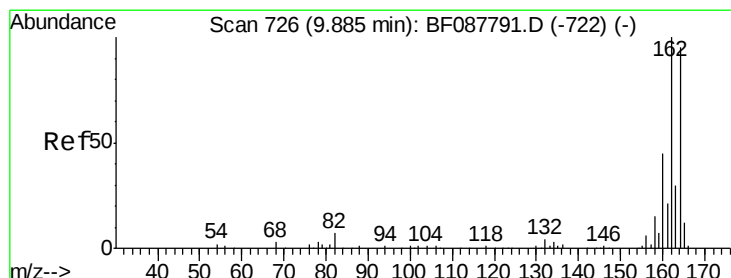
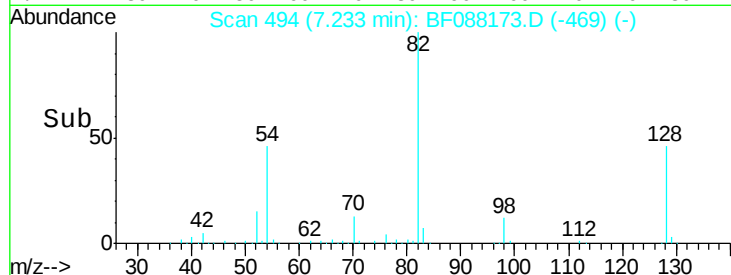
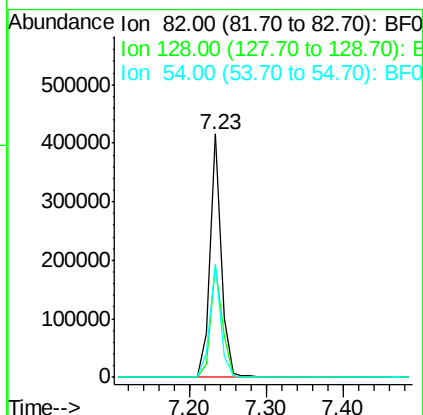
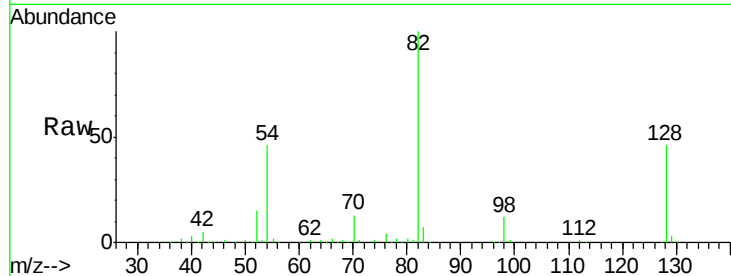




#23
 Nitrobenzene-d5
 Concen: 69.12 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF088173.D
 Acq: 20 Jun 2016 15:33

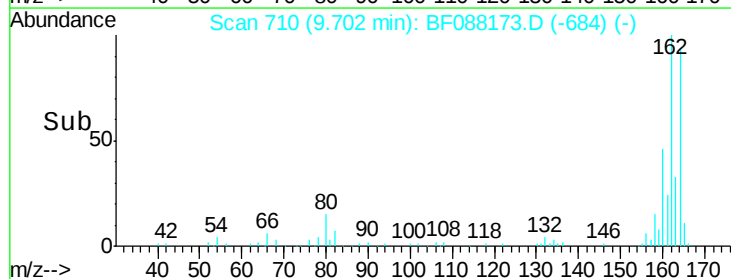
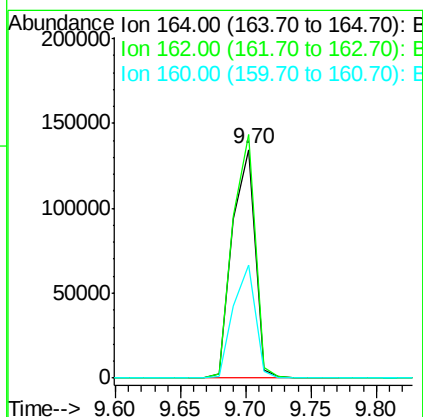
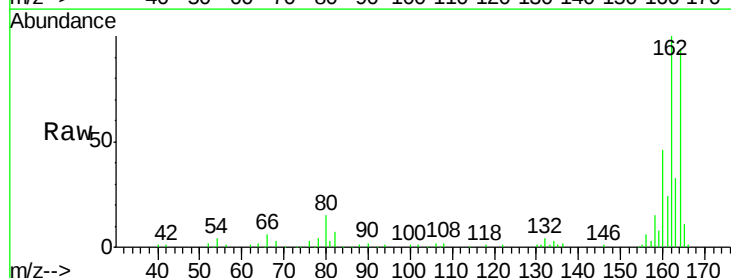
Instrument :
 BNA_F
 ClientSampled :
 PB91373BL

Tgt Ion: 82 Resp: 418228
 Ion Ratio Lower Upper
 82 100
 128 46.0 35.9 53.9
 54 46.4 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BF088173.D
 Acq: 20 Jun 2016 15:33

Tgt Ion: 164 Resp: 162535
 Ion Ratio Lower Upper
 164 100
 162 106.5 85.4 128.2
 160 49.2 39.5 59.3

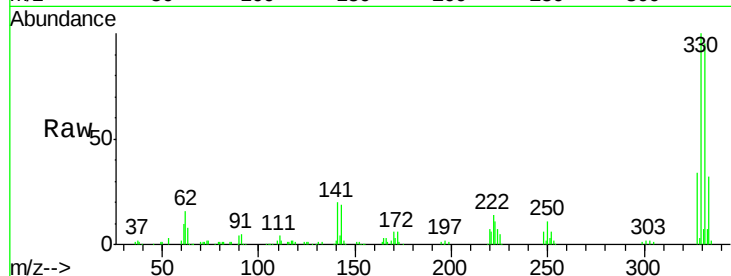




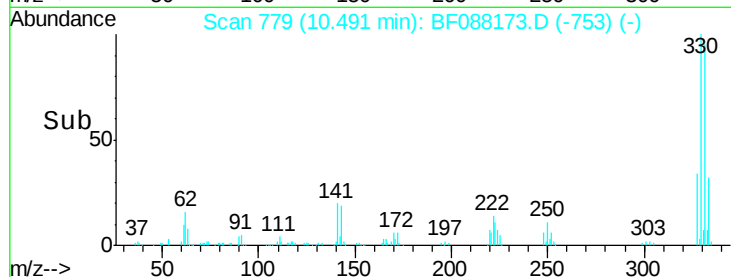
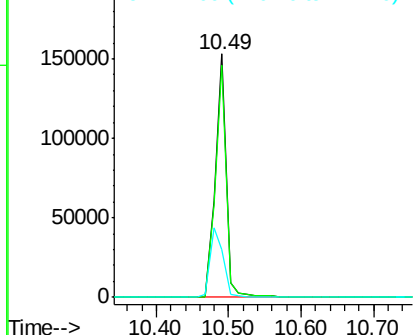
#41
 2,4,6-Tribromophenol
 Concen: 93.12 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF088173.D
 Acq: 20 Jun 2016 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PB91373BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	0.0	0.0#
141	34.5	0.0	0.0#

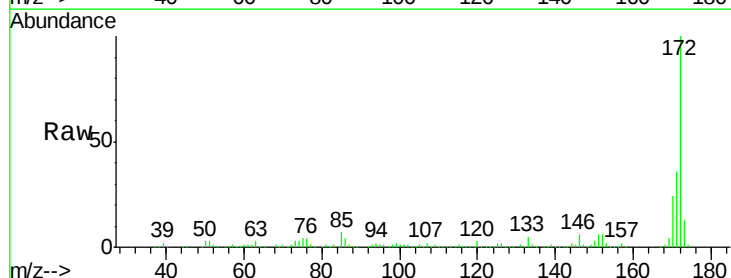


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

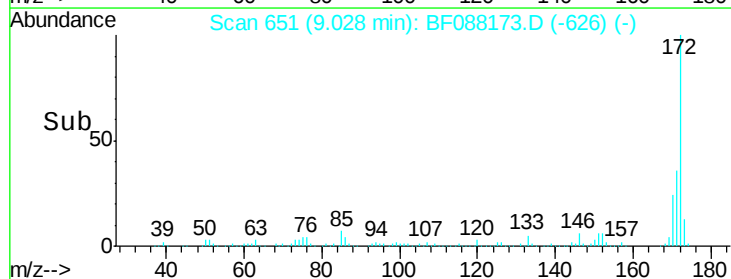
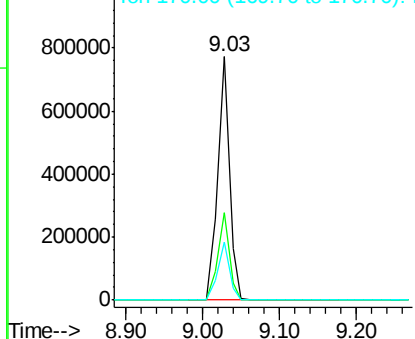


#44
 2-Fluorobiphenyl
 Concen: 80.01 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088173.D
 Acq: 20 Jun 2016 15:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.03 min Scan# 651

Delta R.T. -0.10 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

PB91373BL

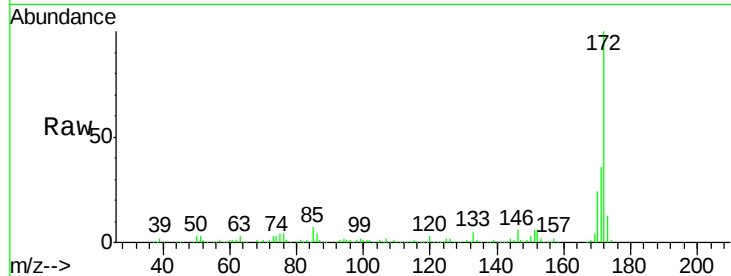
Tgt Ion:154 Resp: 1459

Ion Ratio Lower Upper

154 100

153 939.6 20.6 60.6#

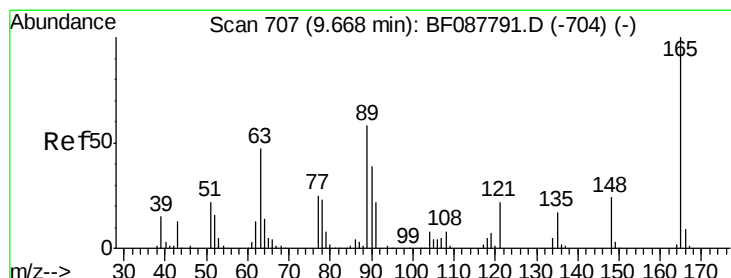
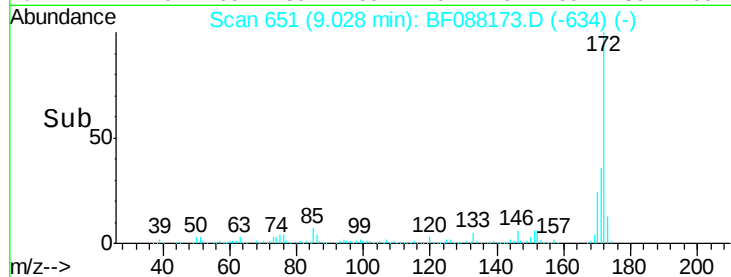
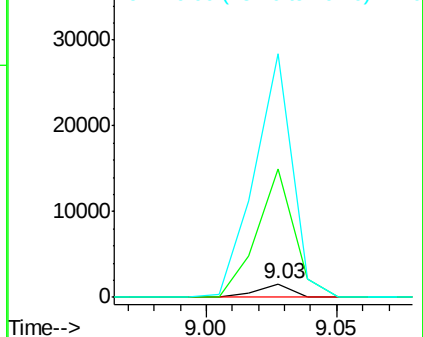
76 1785.7 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 9.70 min Scan# 710

Delta R.T. 0.19 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

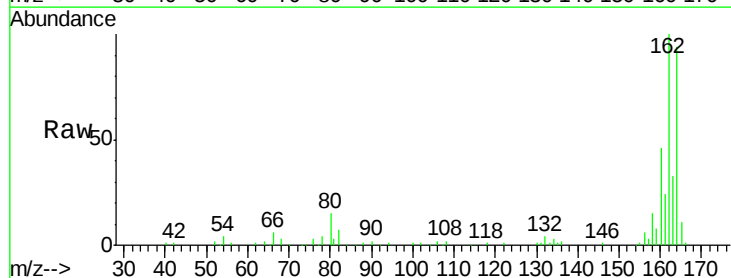
Tgt Ion:165 Resp: 20595

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

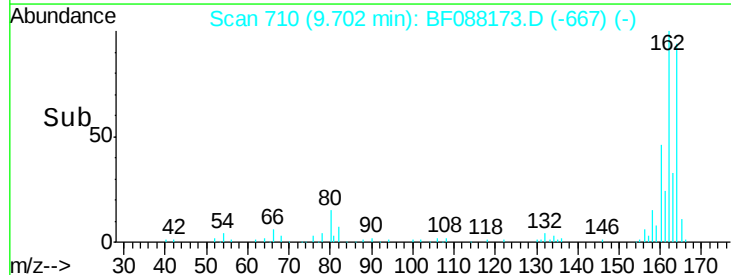
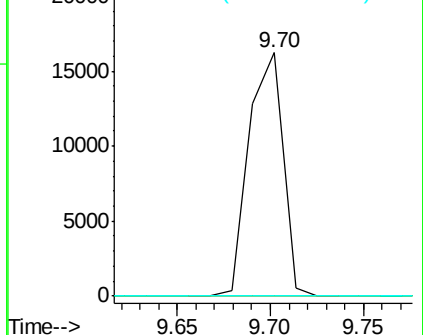
89 0.0 32.2 48.2#



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

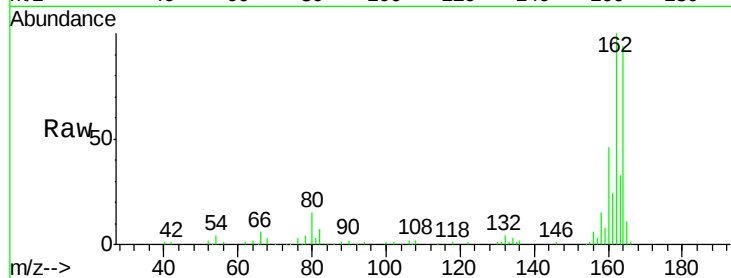




#56
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Instrument :
BNA_F
ClientSampleId :
PB91373BL

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



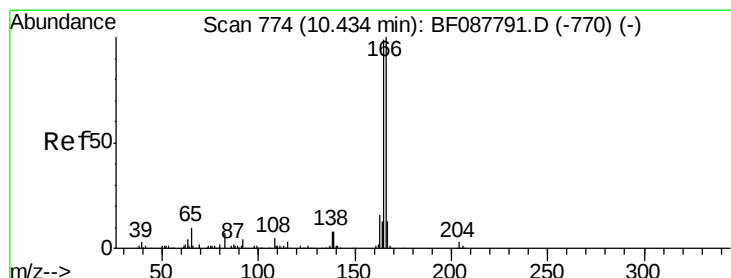
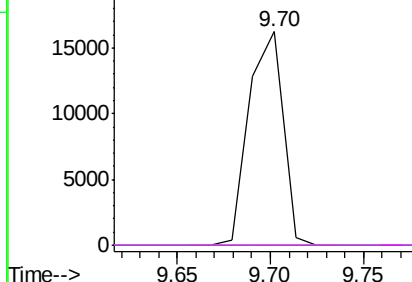
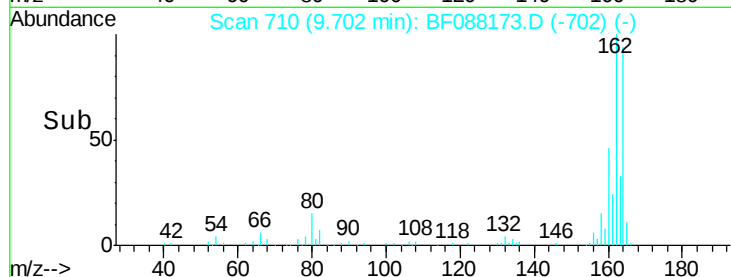
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

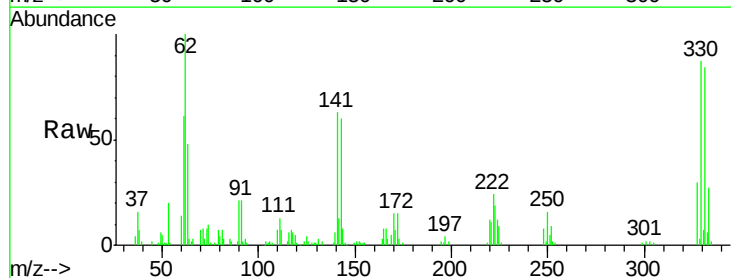
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 778
Delta R.T. 0.23 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	77.8	116.8
167	36.8	11.2	16.8#

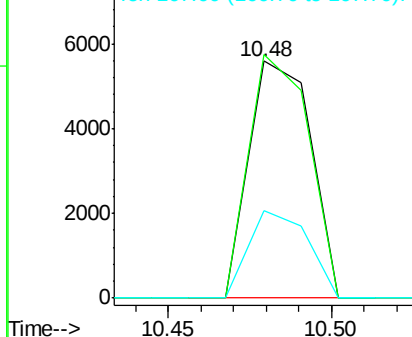
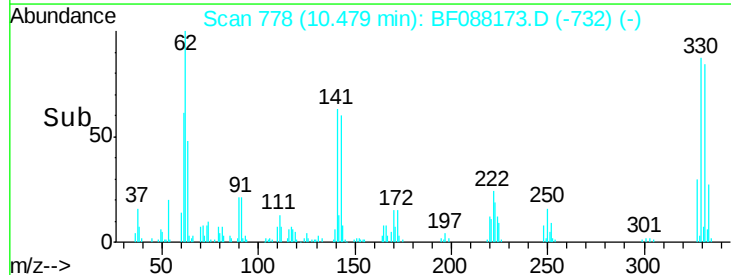


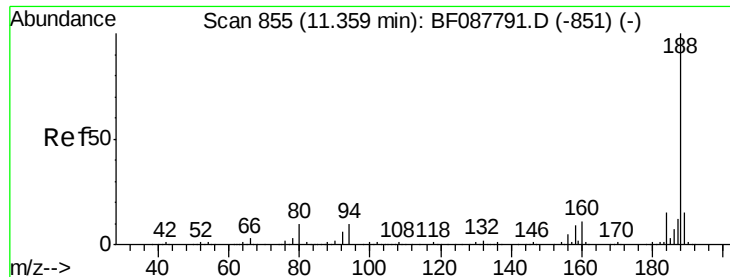
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

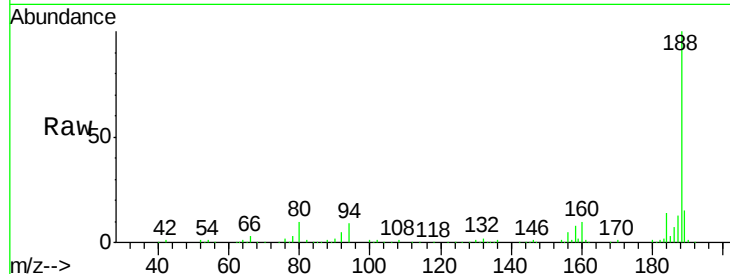




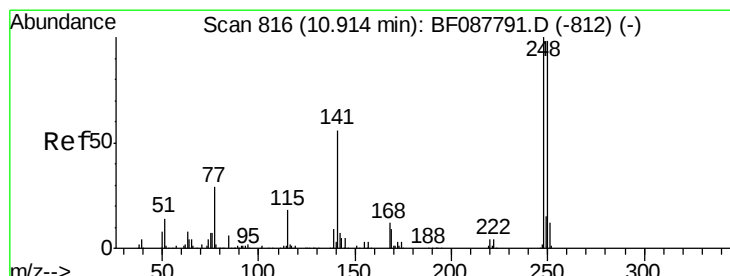
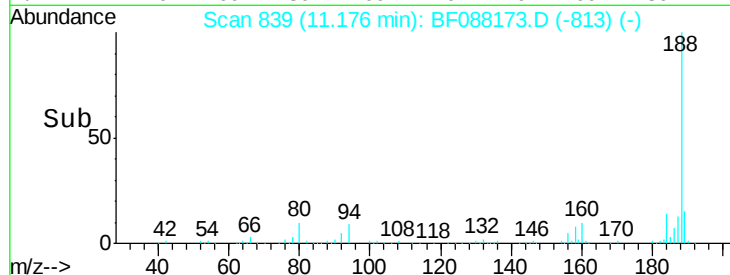
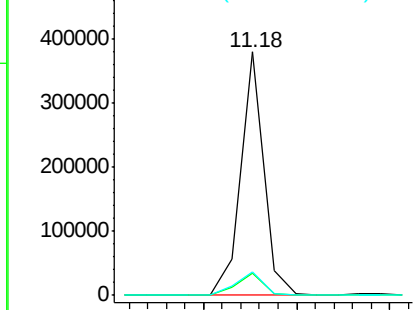
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Instrument :
BNA_F
ClientSampleId :
PB91373BL

Tgt Ion:188 Resp: 328155
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.6
80 9.7 10.0 15.0#

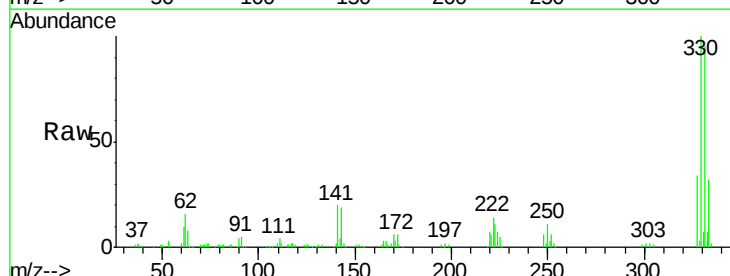


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

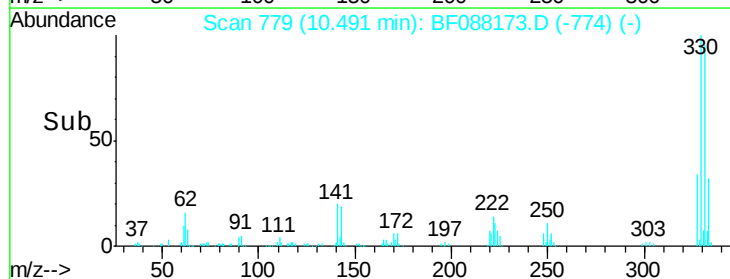
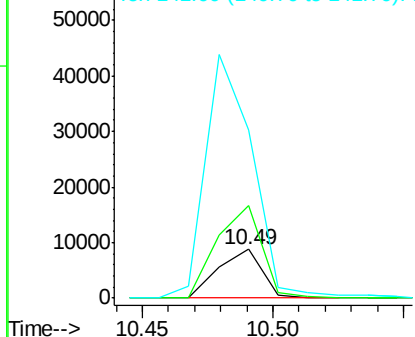


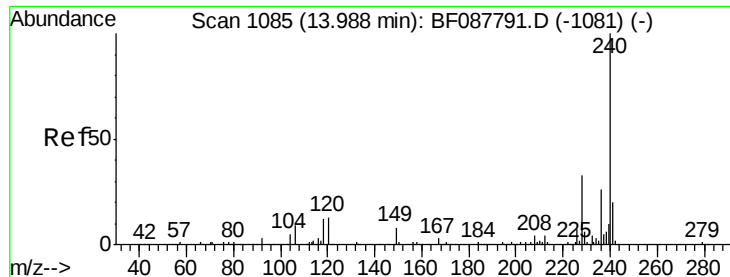
#66
4-Bromophenyl-phenylether
Concen: 2.91 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.24 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Tgt Ion:248 Resp: 10238
Ion Ratio Lower Upper
248 100
250 188.3 77.1 115.7#
141 343.3 50.6 76.0#



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: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

Instrument :

BNA_F

ClientSampleId :

PB91373BL

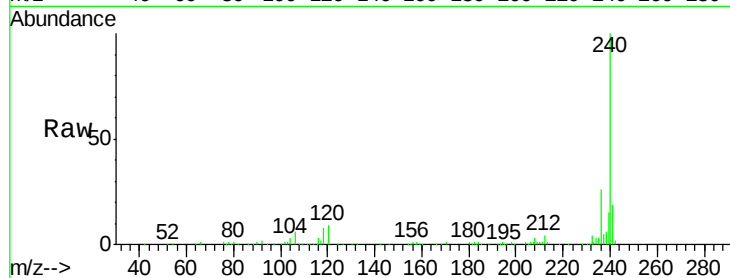
Tgt Ion:240 Resp: 285947

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

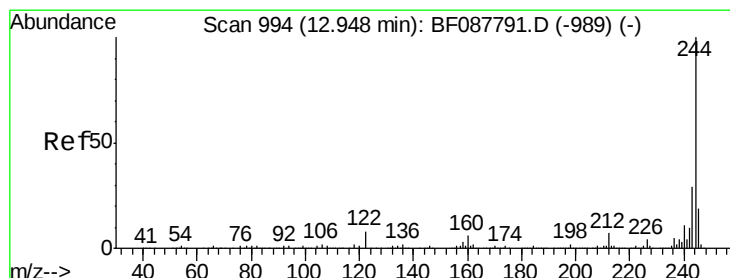
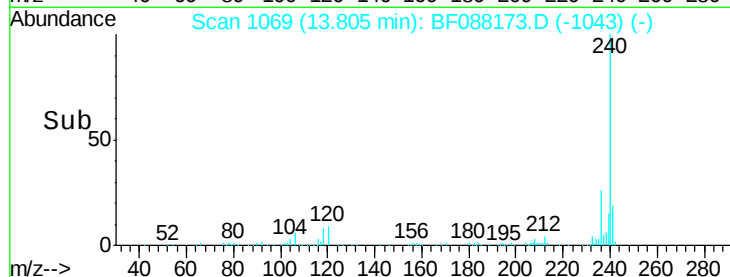
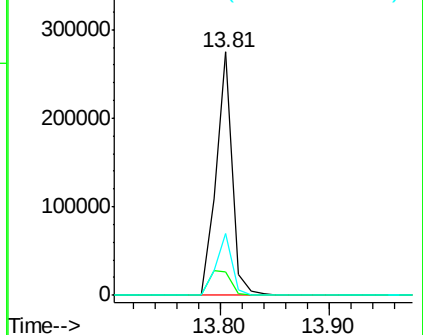
236 25.6 20.2 30.2



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: 71.02 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088173.D

Acq: 20 Jun 2016 15:33

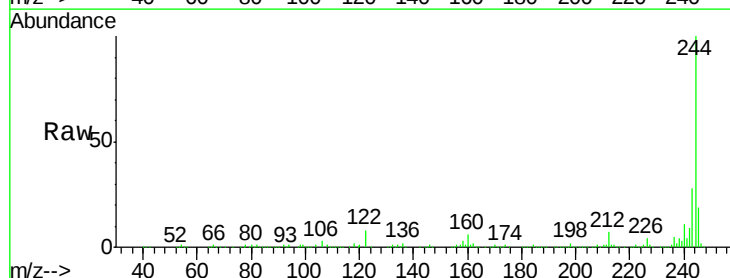
Tgt Ion:244 Resp: 892394

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

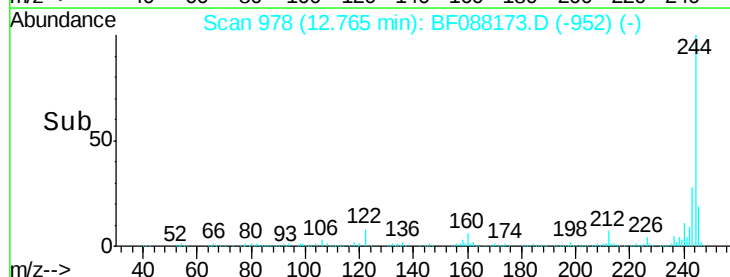
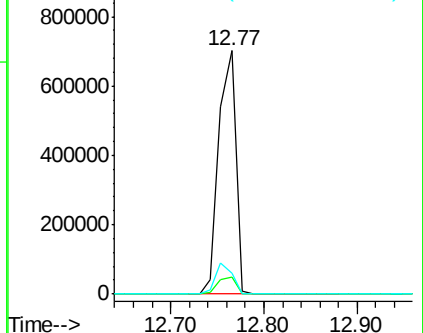
122 8.4 11.2 16.8#

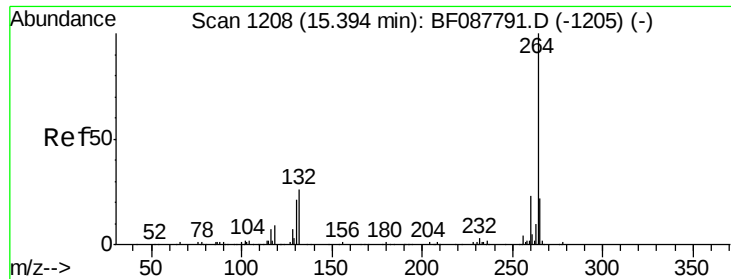


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

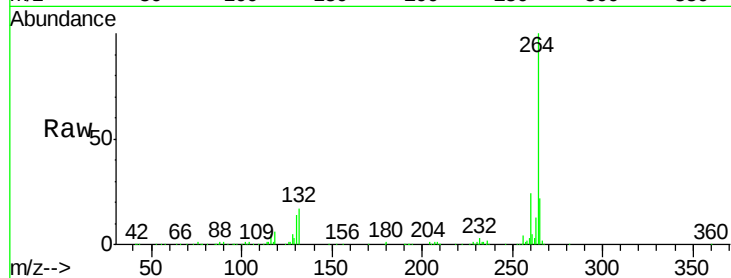




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF088173.D
Acq: 20 Jun 2016 15:33

Instrument :
BNA_F
ClientSampleId :
PB91373BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	16.9	25.3



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

