

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089103.D
 Acq On : 19 Jul 2016 1:39
 Operator : UM/SJ
 Sample : H4044-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(6-12)C

Quant Time: Jul 19 03:19:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

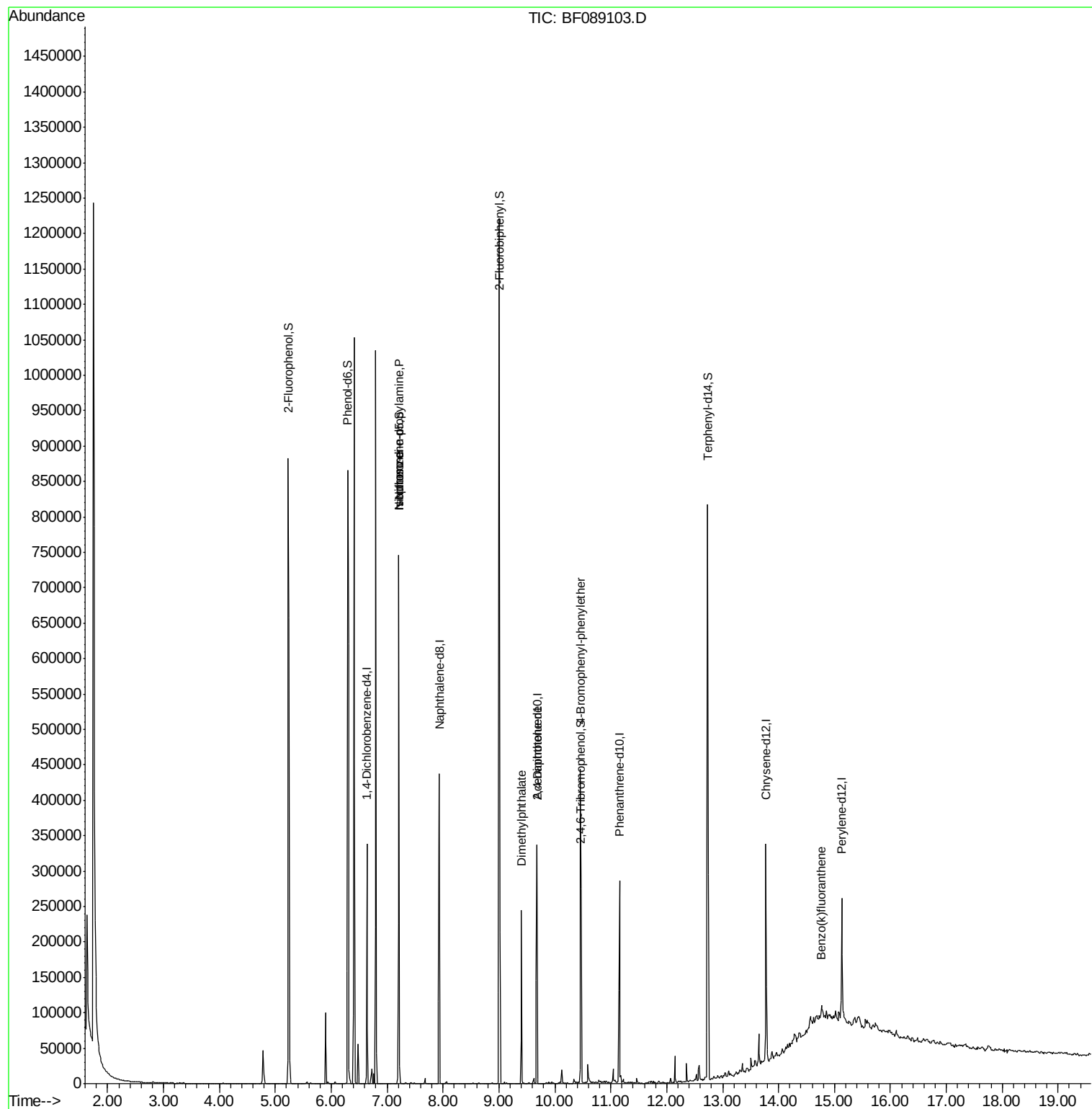
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	47458	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	194947	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	72558	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	117451	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	91252	20.00	ng	-0.08
86) Perylene-d12	15.13	264	66643	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	325245	102.71	ng	-0.06
7) Phenol-d6	6.30	99	417271	101.98	ng	-0.06
23) Nitrobenzene-d5	7.21	82	244919	65.84	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	57706	85.65	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	355768	77.45	ng	-0.07
78) Terphenyl-d14	12.73	244	243984	59.55	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	33695	12.26	ng	# 74
25) Isophorone	7.21	82	188245	27.32	ng	# 65
49) Dimethylphthalate	9.40	163	97823	18.92	ng	98
56) 2,4-Dinitrotoluene	9.68	165	9118	6.09	ng	# 36
66) 4-Bromophenyl-phenylether	10.46	248	4196	3.55	ng	# 1
88) Benzo(k)fluoranthene	14.77	252	7390	2.03	ng	# 44

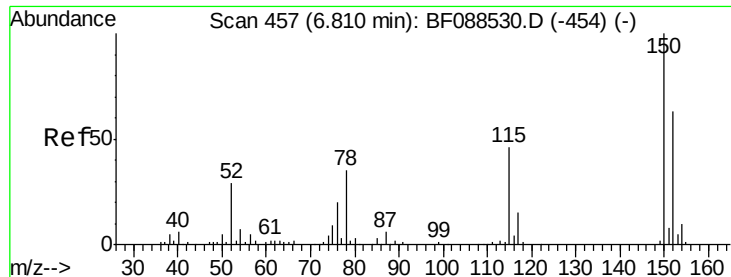
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

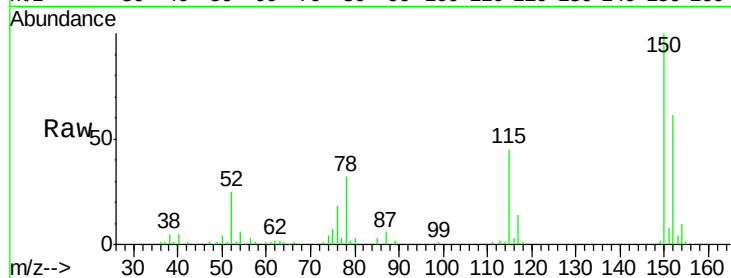
Tgt Ion:152 Resp: 47458

Ion Ratio Lower Upper

152 100

150 163.2 123.8 185.6

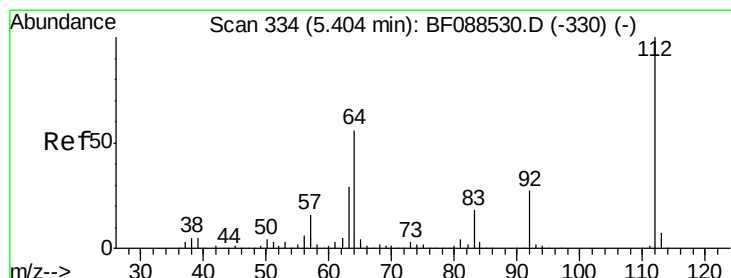
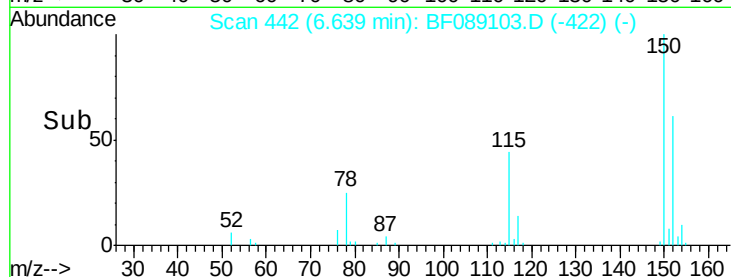
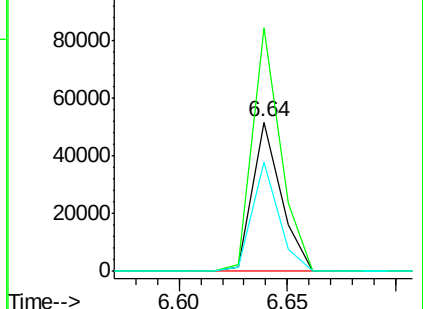
115 73.1 39.6 59.4#



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: 102.71 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

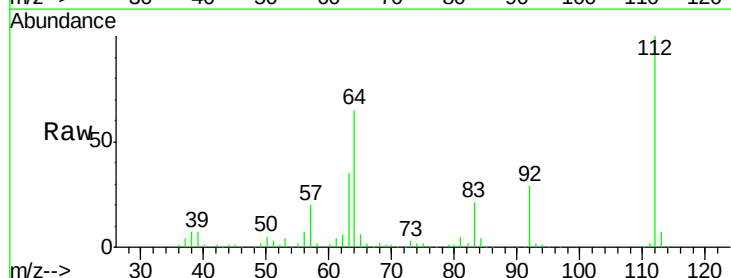
Tgt Ion:112 Resp: 325245

Ion Ratio Lower Upper

112 100

64 64.7 42.2 63.2#

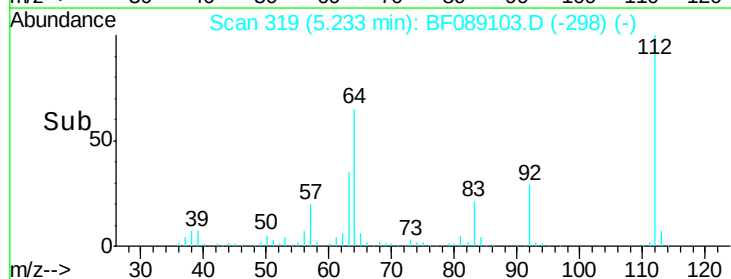
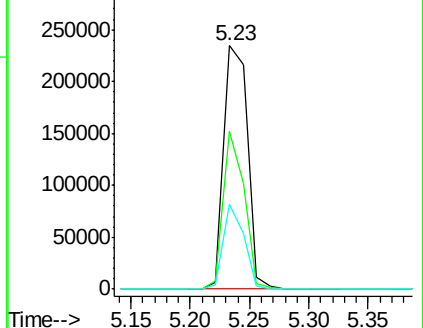
63 34.8 21.8 32.8#

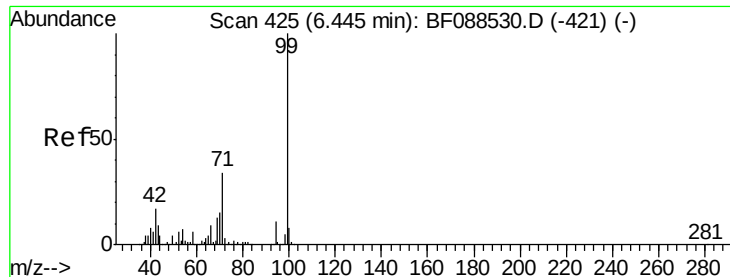


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.98 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

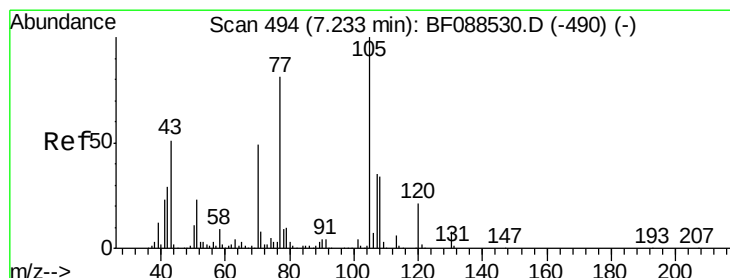
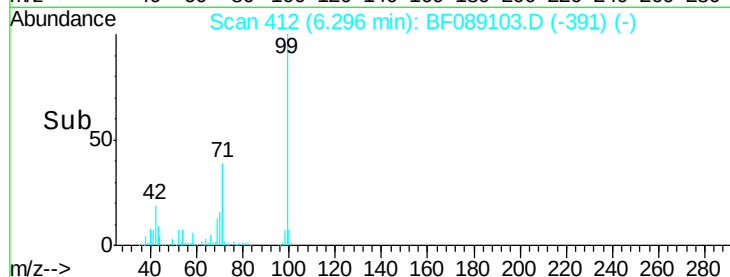
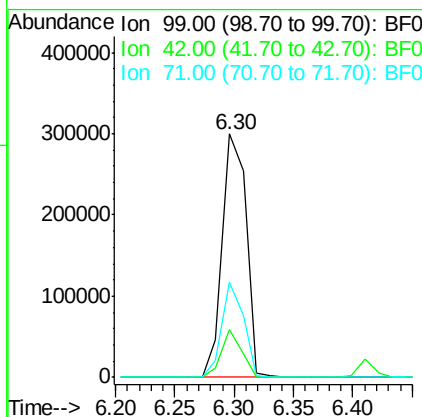
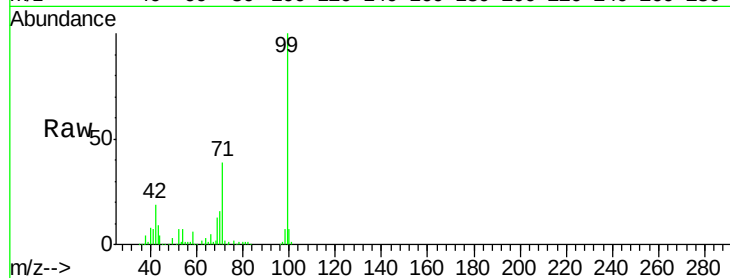
Tgt Ion: 99 Resp: 417271

Ion Ratio Lower Upper

99 100

42 19.4 12.2 18.2#

71 39.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.26 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Tgt Ion: 70 Resp: 33695

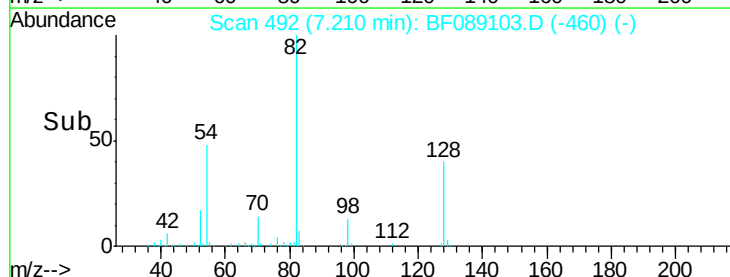
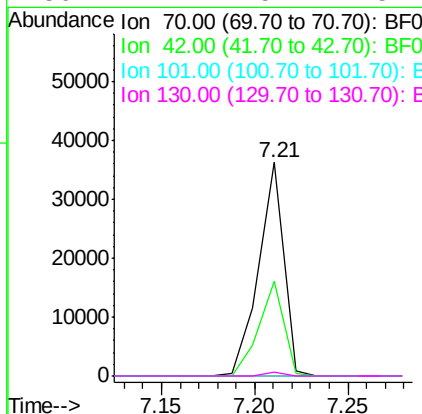
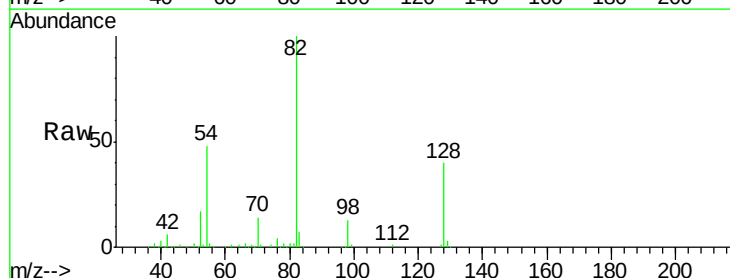
Ion Ratio Lower Upper

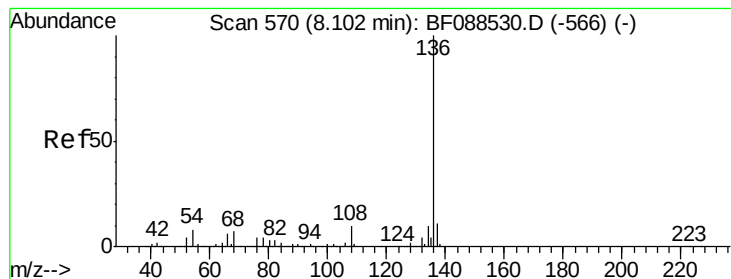
70 100

42 44.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

Tgt Ion: 136 Resp: 194947

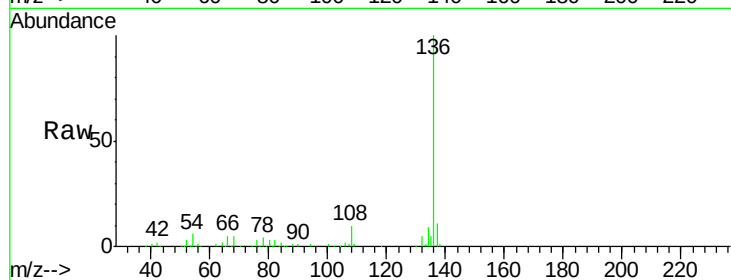
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

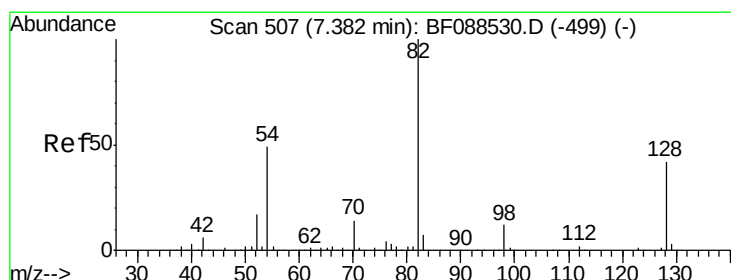
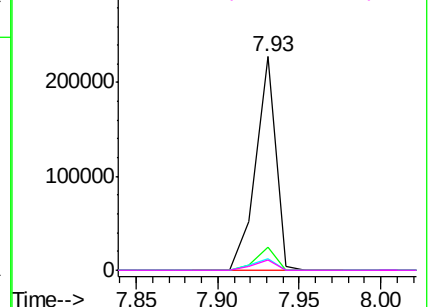
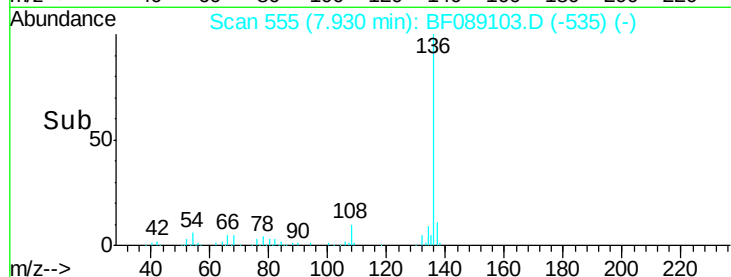


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.84 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

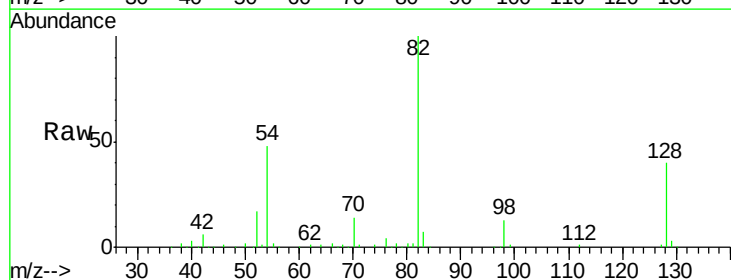
Tgt Ion: 82 Resp: 244919

Ion Ratio Lower Upper

82 100

128 40.3 35.9 53.9

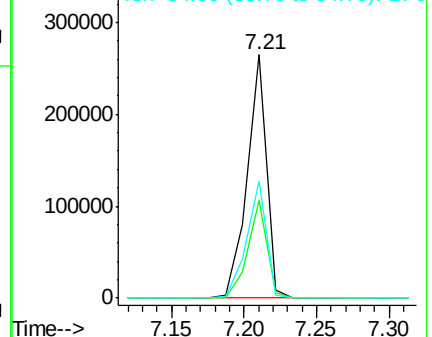
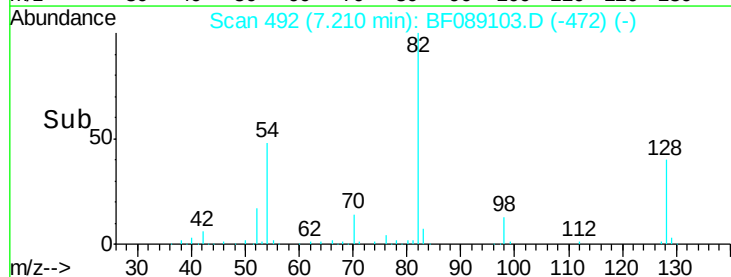
54 47.8 40.9 61.3

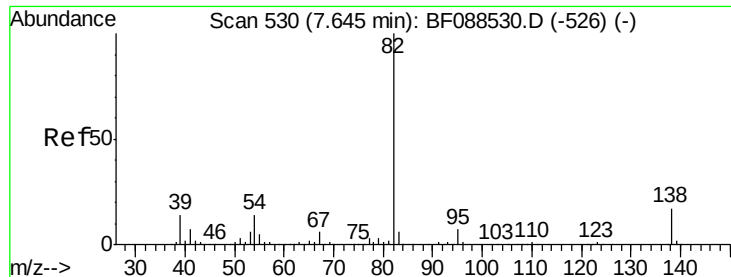


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.32 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

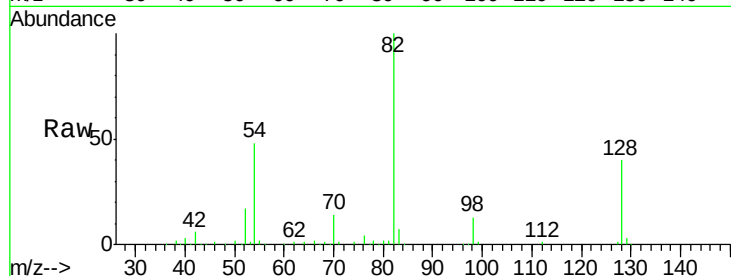
Tgt Ion: 82 Resp: 188245

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

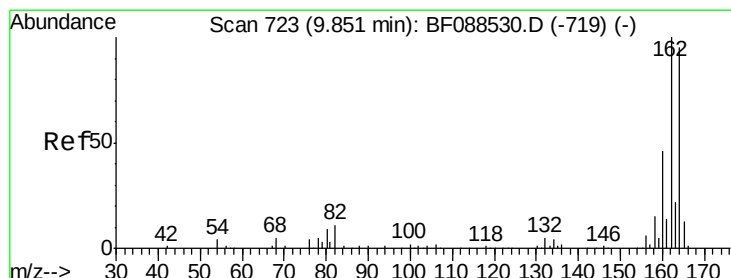
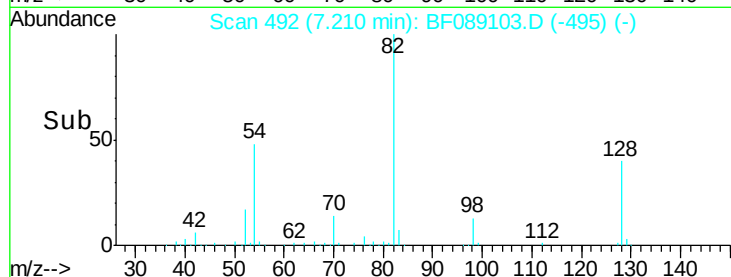
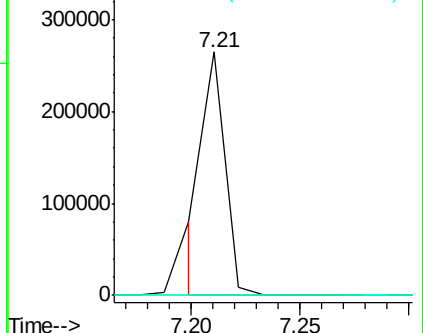
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

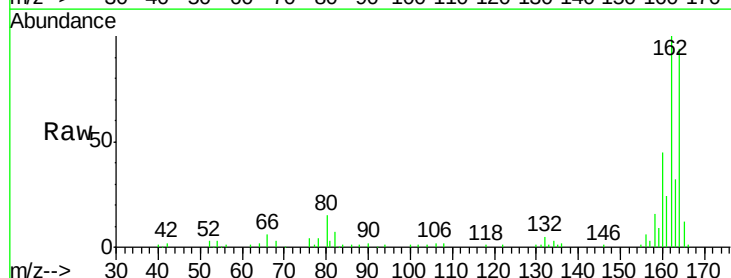
Tgt Ion: 164 Resp: 72558

Ion Ratio Lower Upper

164 100

162 106.0 85.4 128.2

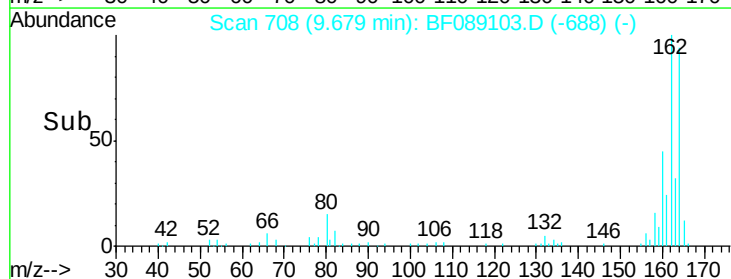
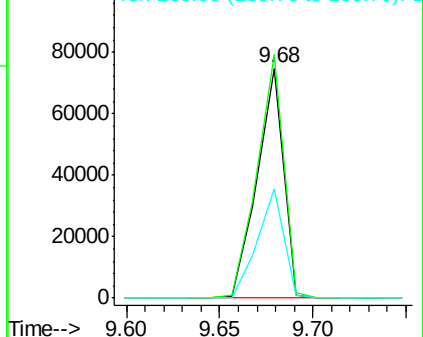
160 47.7 39.5 59.3

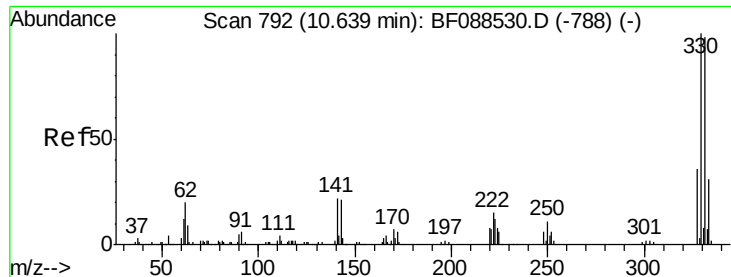


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

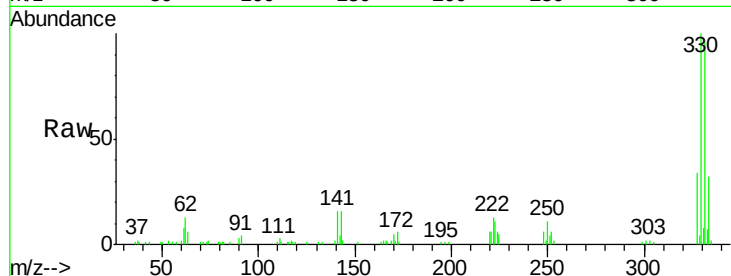




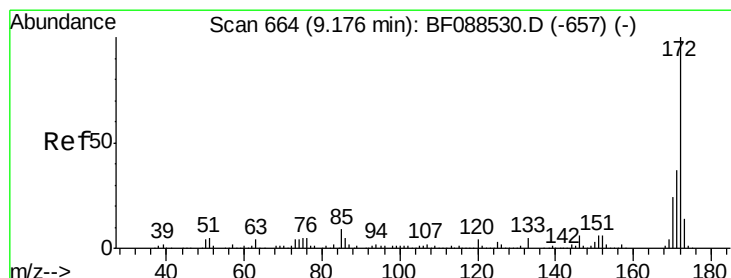
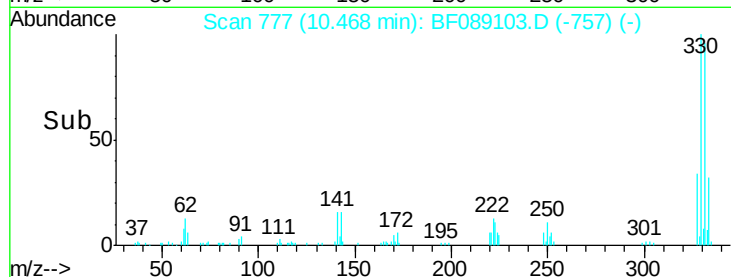
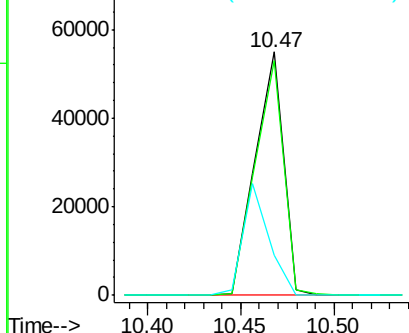
#41
 2,4,6-Tribromophenol
 Concen: 85.65 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.07 min
 Lab File: BF089103.D
 Acq: 19 Jul 2016 1:39

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(6-12)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	42.0	0.0	0.0#

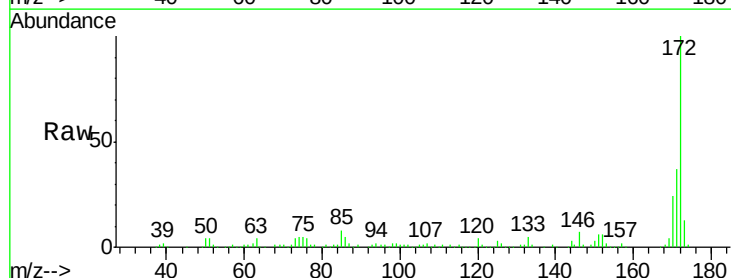


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

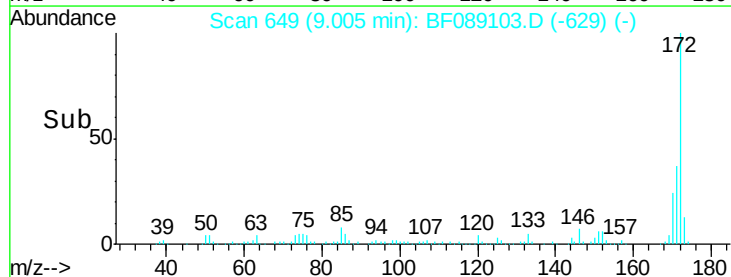
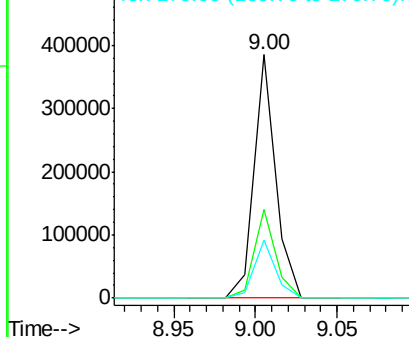


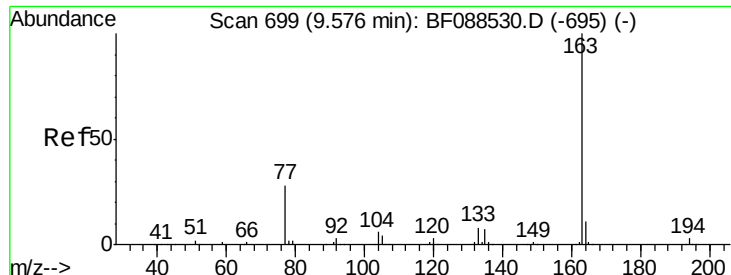
#44
 2-Fluorobiphenyl
 Concen: 77.45 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089103.D
 Acq: 19 Jul 2016 1:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	23.9	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





#49

Dimethylphthalate

Concen: 18.92 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.08 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

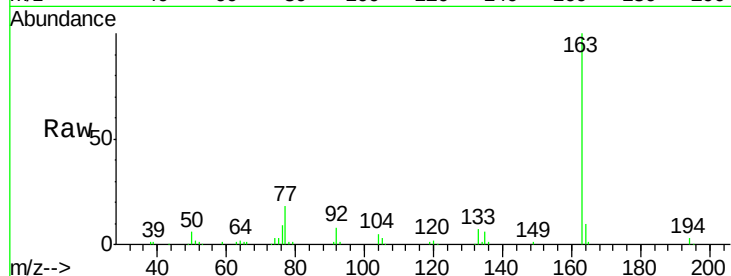
Tgt Ion:163 Resp: 97823

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

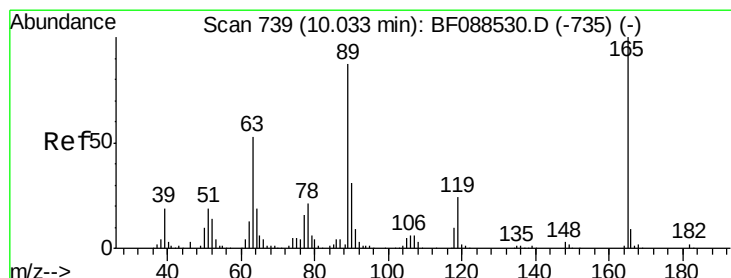
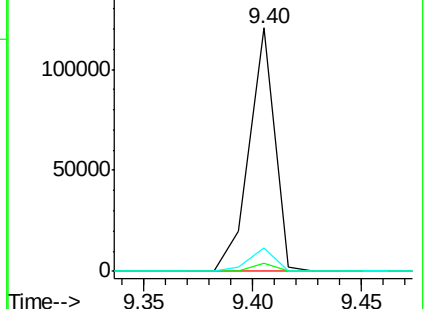
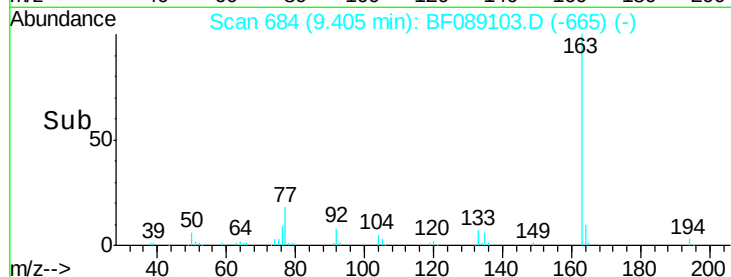
164 9.6 8.3 12.5



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: 6.09 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.26 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Tgt Ion:165 Resp: 9118

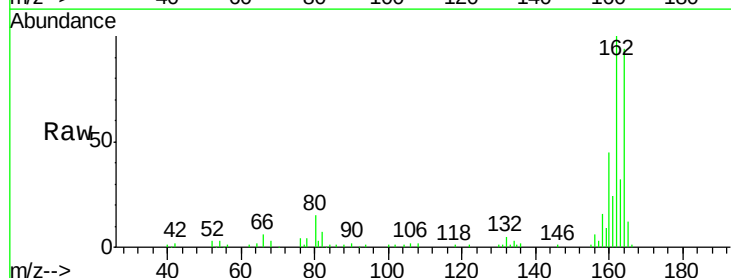
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

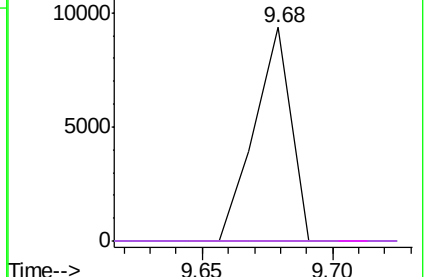
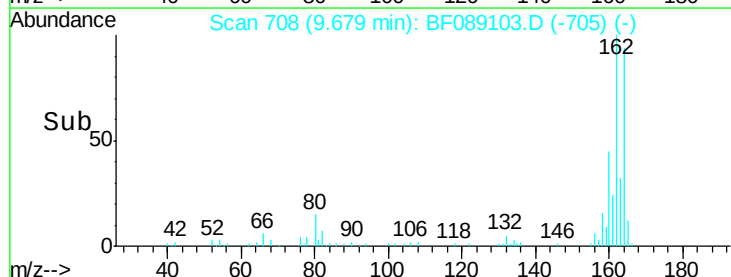


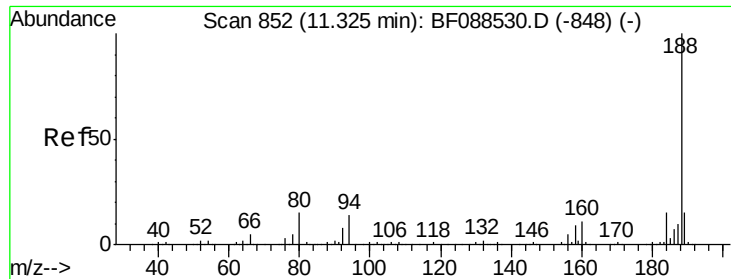
Abundance Ion 165.00 (164.70 to 165.70): E

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

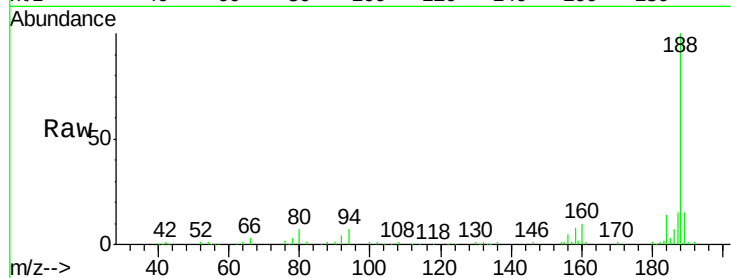




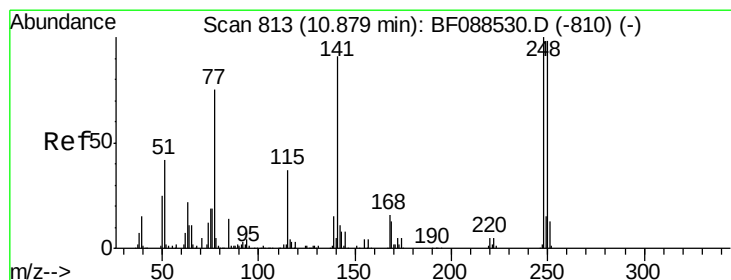
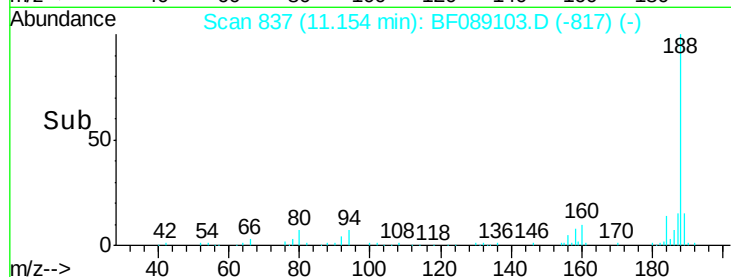
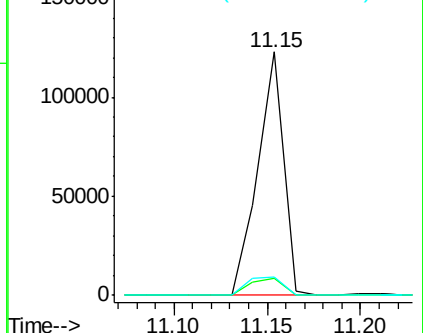
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089103.D
Acq: 19 Jul 2016 1:39

Instrument :
BNA_F
ClientSampleId :
F9-B1(6-12)C

Tgt Ion:188 Resp: 117451
Ion Ratio Lower Upper
188 100
94 6.9 9.0 13.6#
80 7.3 10.0 15.0#

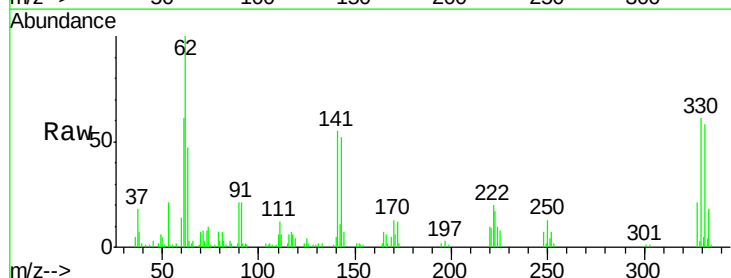


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

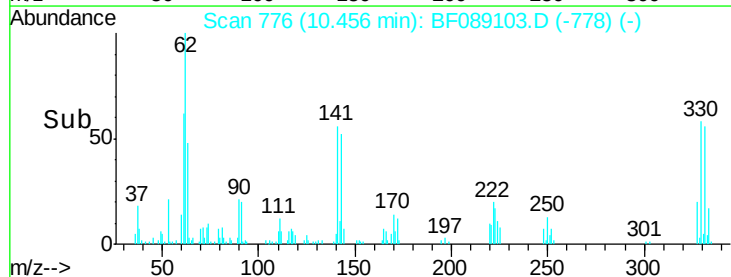
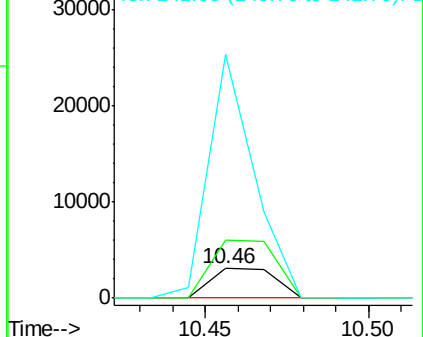


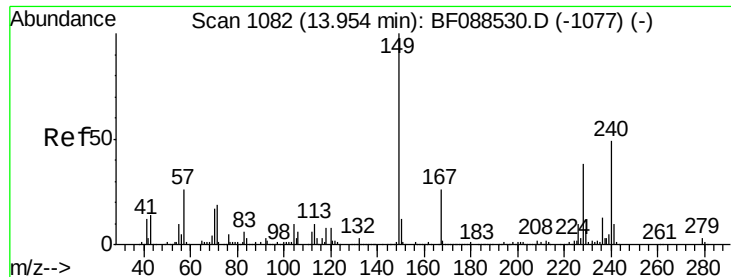
#66
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.32 min
Lab File: BF089103.D
Acq: 19 Jul 2016 1:39

Tgt Ion:248 Resp: 4196
Ion Ratio Lower Upper
248 100
250 193.9 77.1 115.7#
141 818.7 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: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

Instrument :

BNA_F

ClientSampleId :

F9-B1(6-12)C

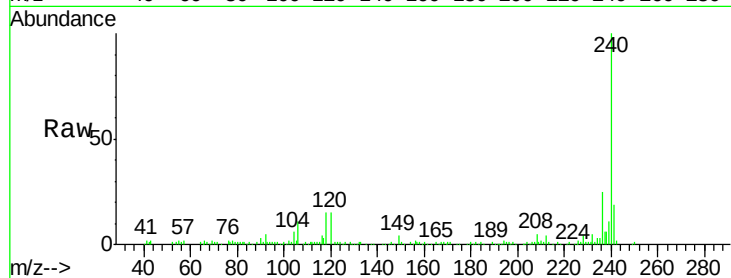
Tgt Ion:240 Resp: 91252

Ion Ratio Lower Upper

240 100

120 15.5 6.8 10.2#

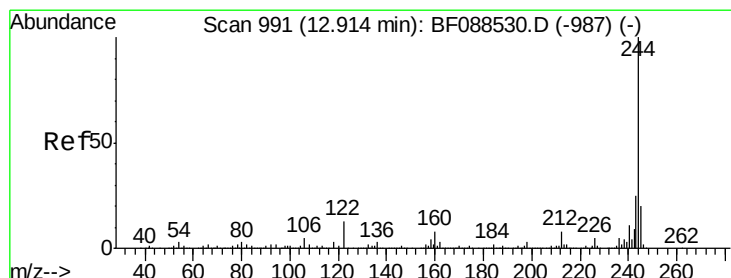
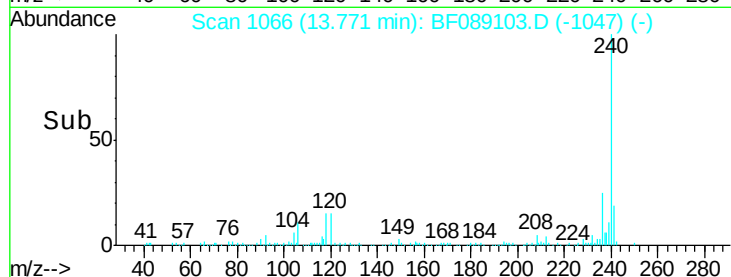
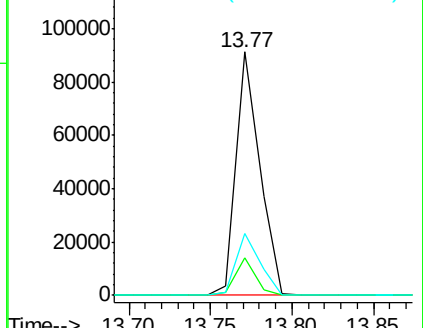
236 25.3 20.2 30.2



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: 59.55 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089103.D

Acq: 19 Jul 2016 1:39

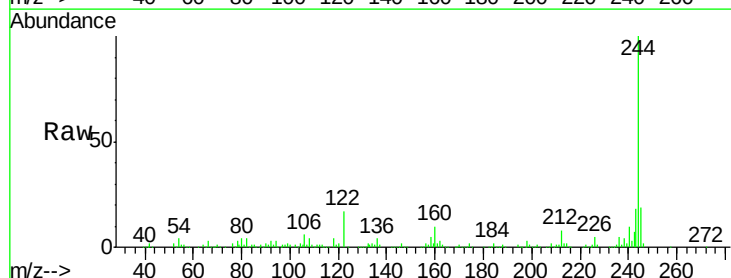
Tgt Ion:244 Resp: 243984

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

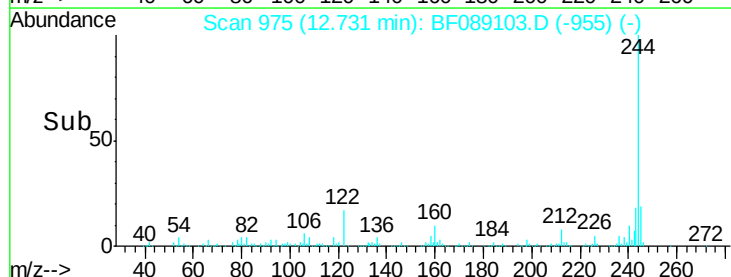
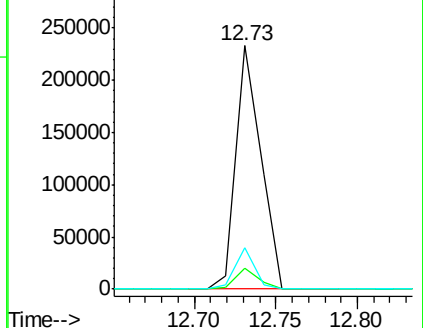
122 17.2 11.2 16.8#

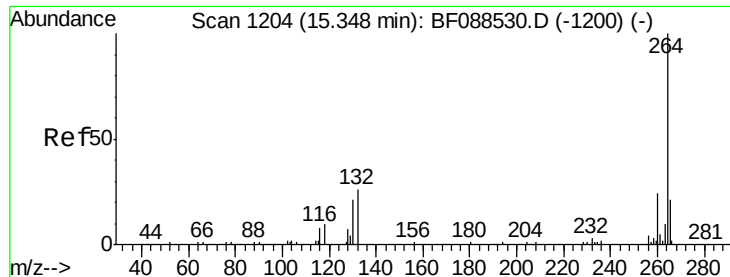


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

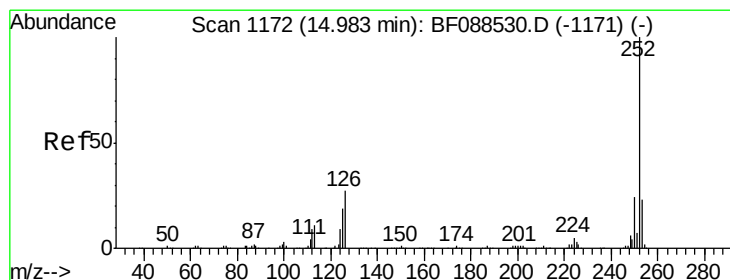
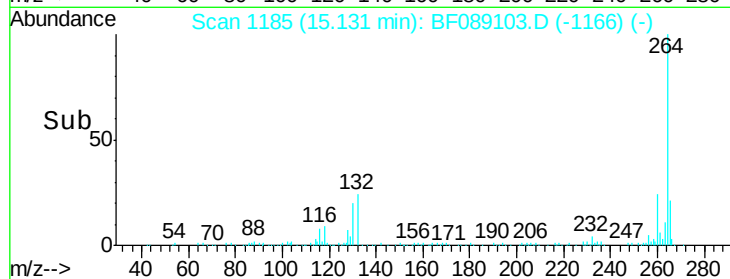
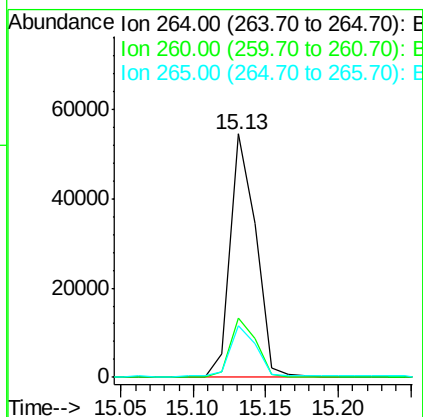
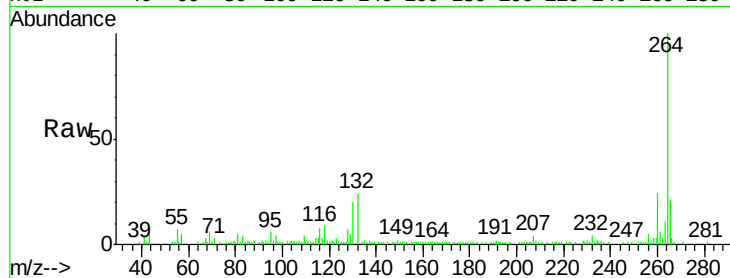




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF089103.D
Acq: 19 Jul 2016 1:39

Instrument :
BNA_F
ClientSampleId :
F9-B1(6-12)C

Tgt Ion: 264 Resp: 66643
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.3 16.9 25.3



#88
Benzo(k)fluoranthene
Concen: 2.03 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.10 min
Lab File: BF089103.D
Acq: 19 Jul 2016 1:39

Tgt Ion: 252 Resp: 7390
Ion Ratio Lower Upper
252 100
253 54.3 18.0 27.0#
125 30.2 11.2 16.8#

