

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089102.D
 Acq On : 19 Jul 2016 1:10
 Operator : UM/SJ
 Sample : H4045-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M9-B2(0-8)C

Quant Time: Jul 19 03:18:58 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	51911	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	207015	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	75655	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	129503	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	94206	20.00	ng	-0.08
86) Perylene-d12	15.13	264	70685	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	465602	134.42	ng	-0.05
7) Phenol-d6	6.31	99	621068	138.77	ng	-0.05
23) Nitrobenzene-d5	7.21	82	307742	77.90	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	86455	123.06	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	464616	97.01	ng	-0.07
78) Terphenyl-d14	12.73	244	319053	75.43	ng	-0.07

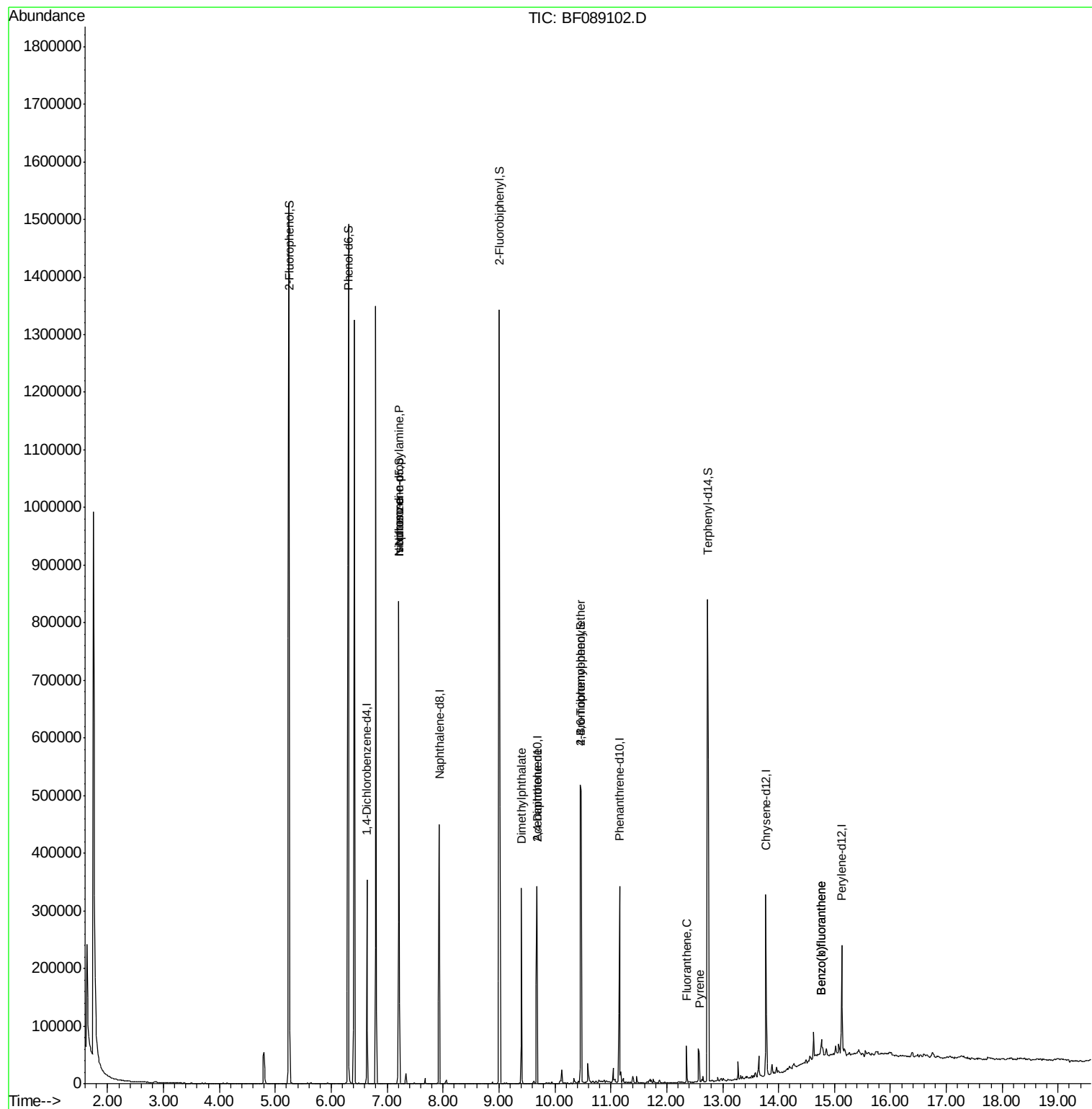
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	41966	13.96	ng	# 75
25) Isophorone	7.21	82	235873	32.23	ng	# 65
49) Dimethylphthalate	9.40	163	129259	23.98	ng	99
56) 2,4-Dinitrotoluene	9.68	165	9400	6.02	ng	# 36
66) 4-Bromophenyl-phenylether	10.47	248	6716	5.15	ng	# 1
74) Fluoranthene	12.35	202	23664	3.30	ng	99
77) Pyrene	12.58	202	17190	2.15	ng	100
87) Benzo(b)fluoranthene	14.77	252	14022	3.16	ng	# 87
88) Benzo(k)fluoranthene	14.77	252	14022	3.63	ng	# 92

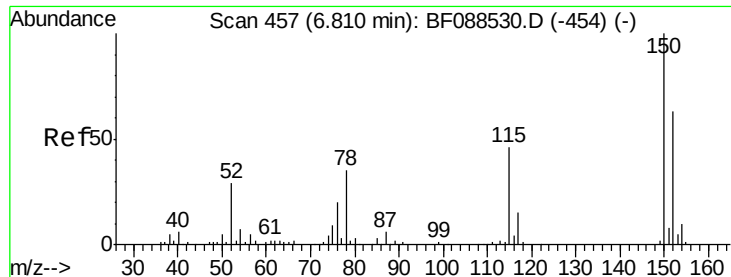
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

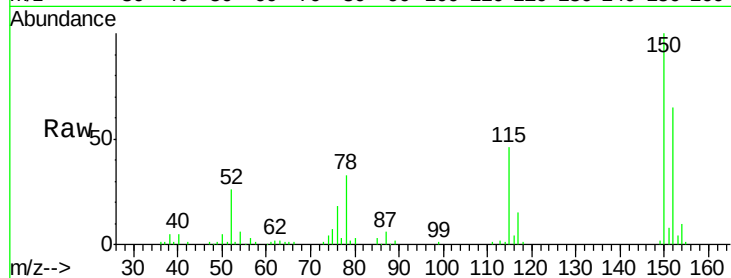
Tgt Ion:152 Resp: 51911

Ion Ratio Lower Upper

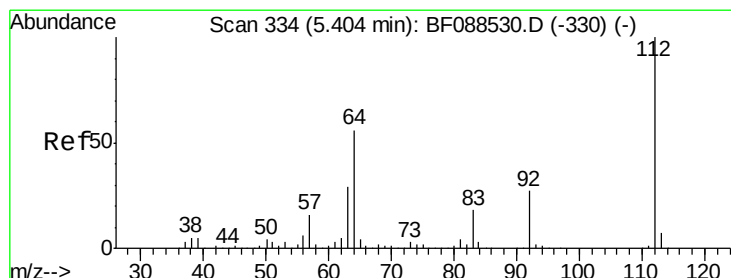
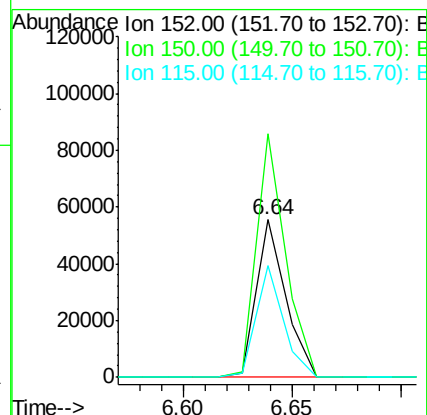
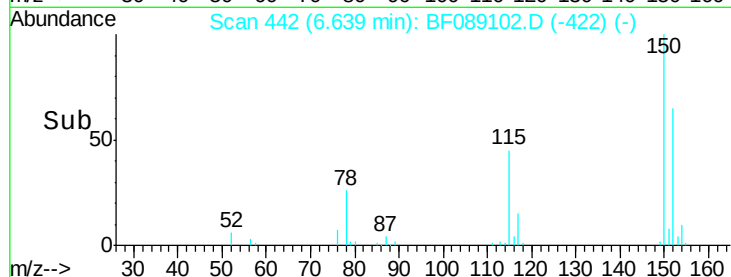
152 100

150 154.5 123.8 185.6

115 70.7 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: 134.42 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.05 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

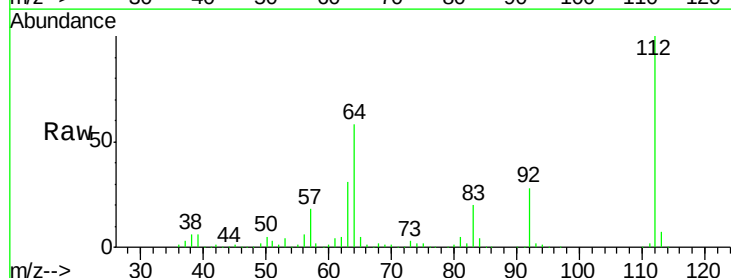
Tgt Ion:112 Resp: 465602

Ion Ratio Lower Upper

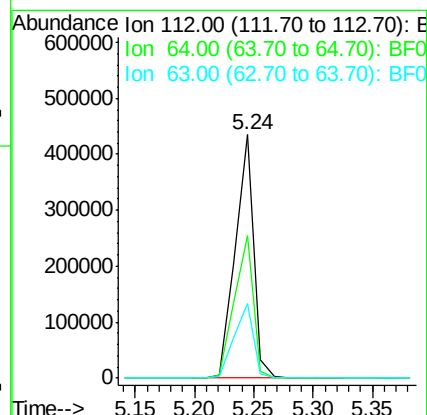
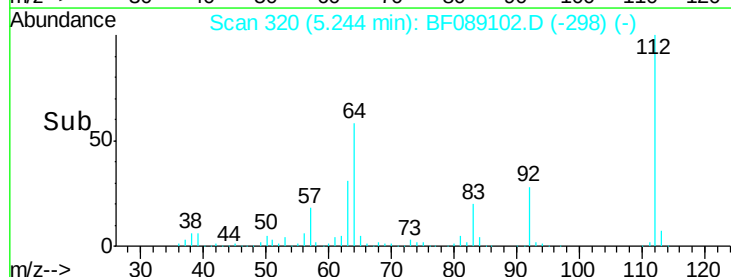
112 100

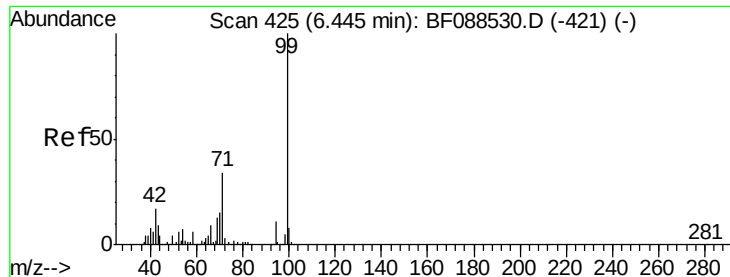
64 58.5 42.2 63.2

63 30.9 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: 138.77 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

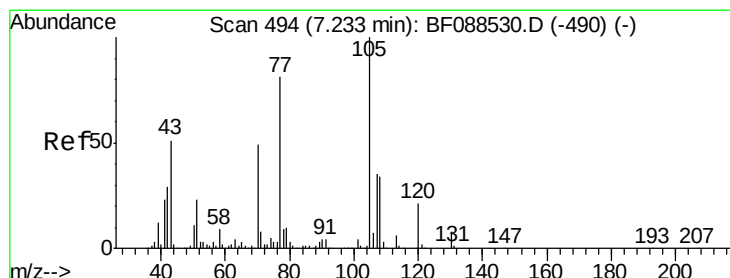
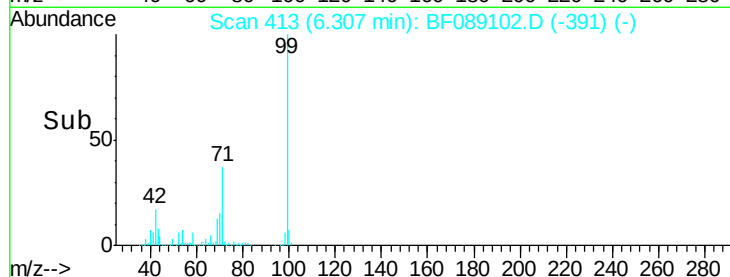
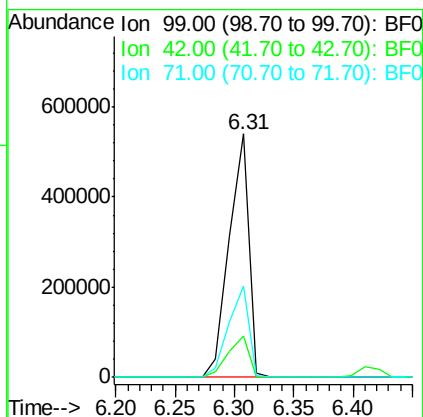
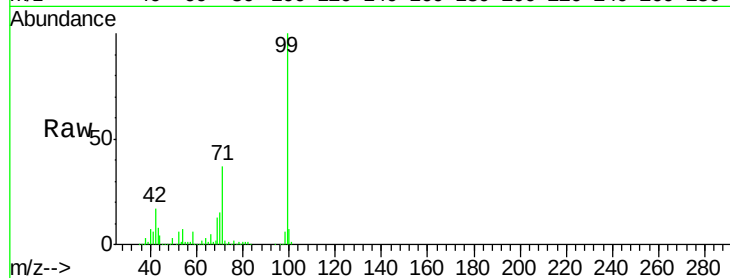
Tgt Ion: 99 Resp: 621068

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 37.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.96 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Tgt Ion: 70 Resp: 41966

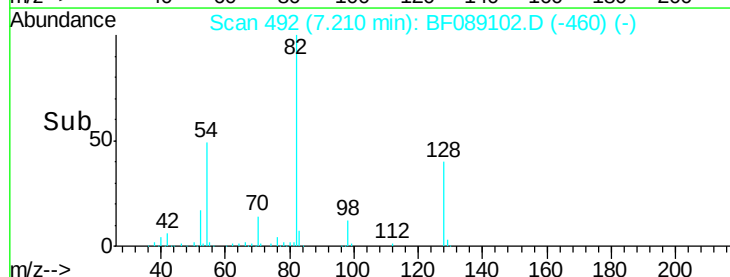
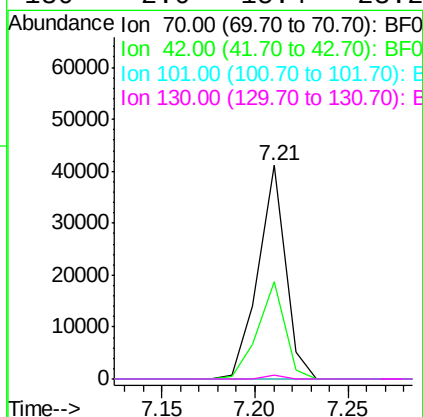
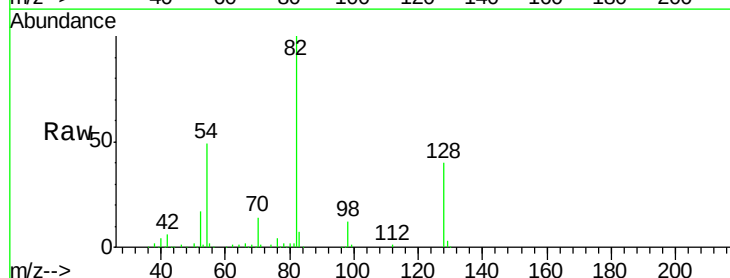
Ion Ratio Lower Upper

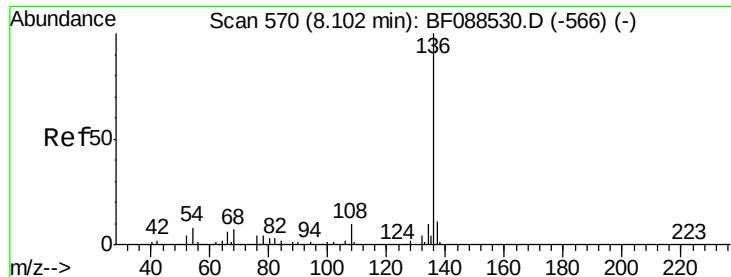
70 100

42 45.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 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: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

Tgt Ion:136 Resp: 207015

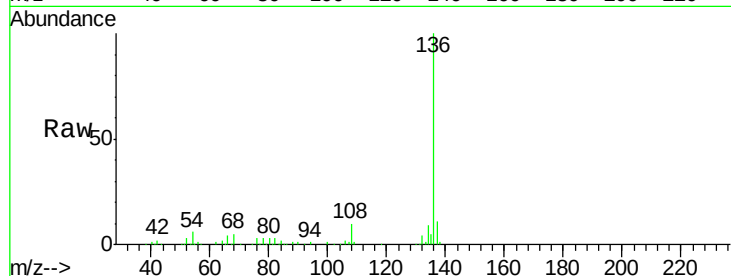
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.7 6.6 10.0#

68 4.8 5.1 7.7#

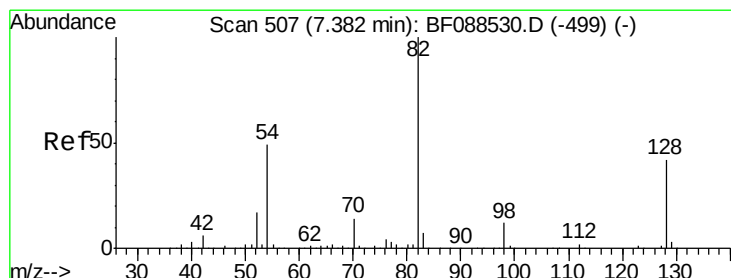
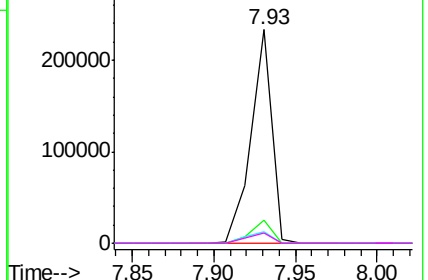
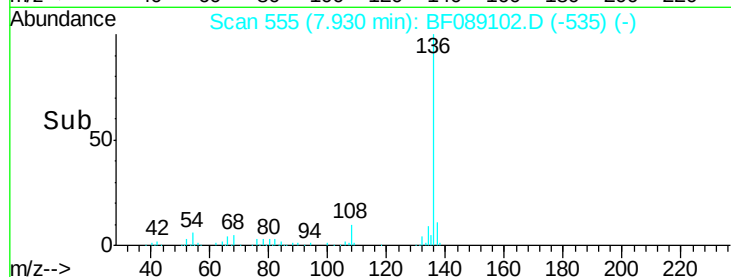


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.90 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

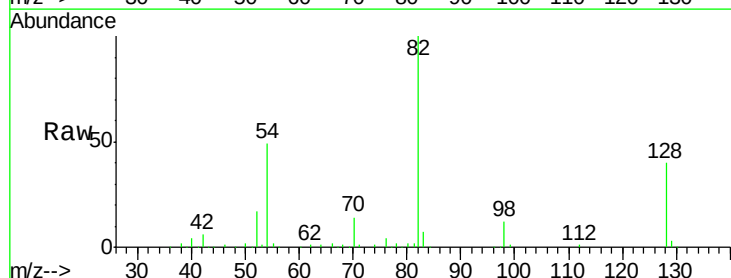
Tgt Ion: 82 Resp: 307742

Ion Ratio Lower Upper

82 100

128 40.3 35.9 53.9

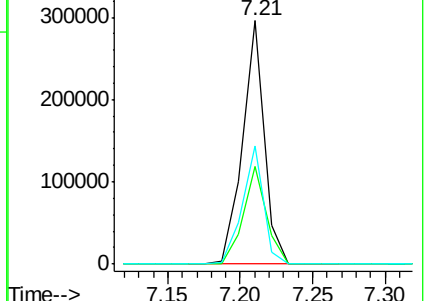
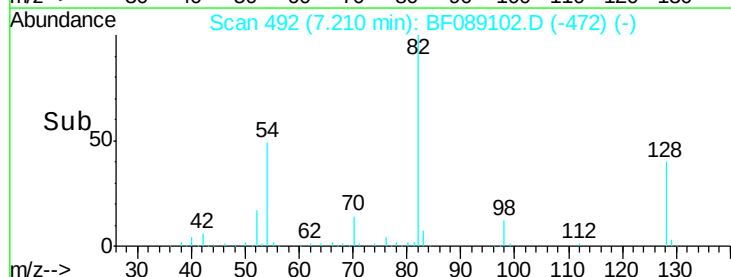
54 48.7 40.9 61.3

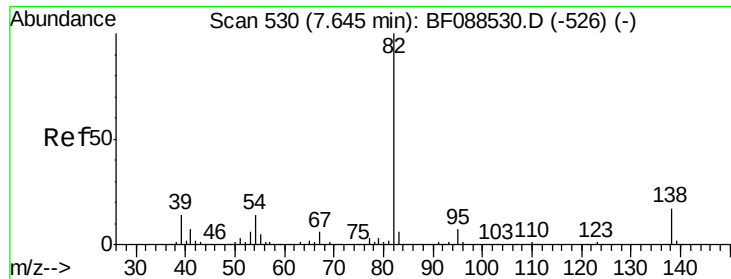


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.23 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

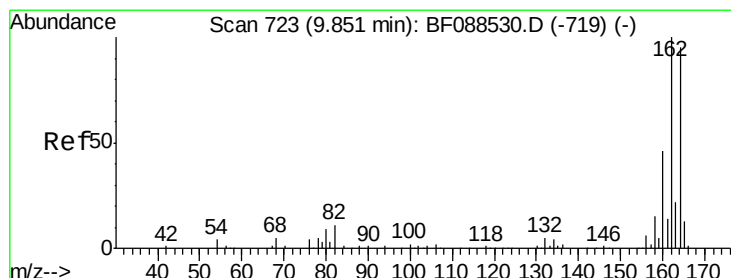
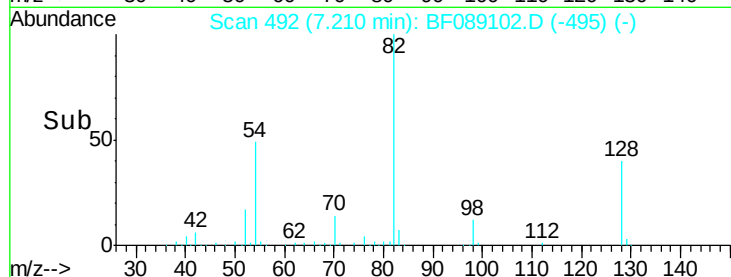
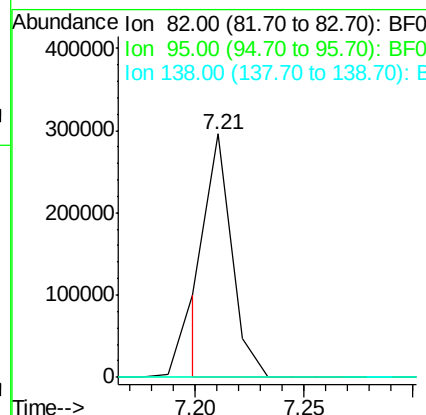
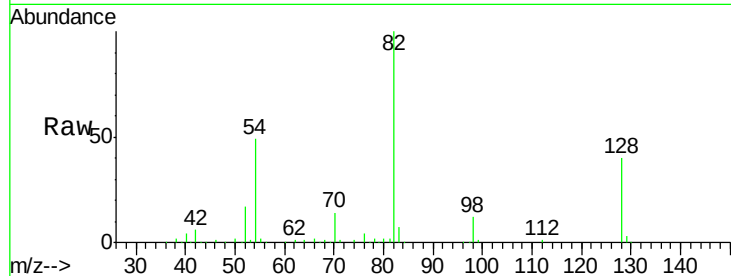
Tgt Ion: 82 Resp: 235873

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

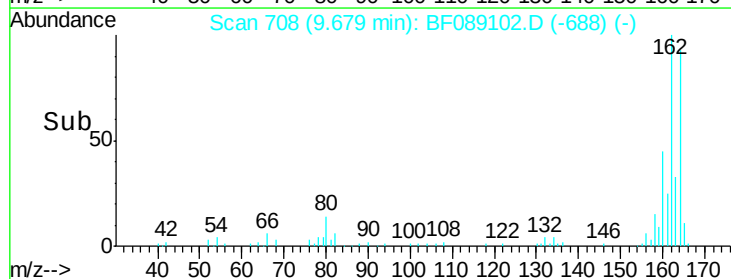
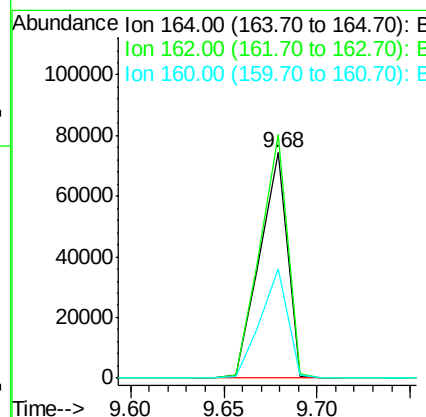
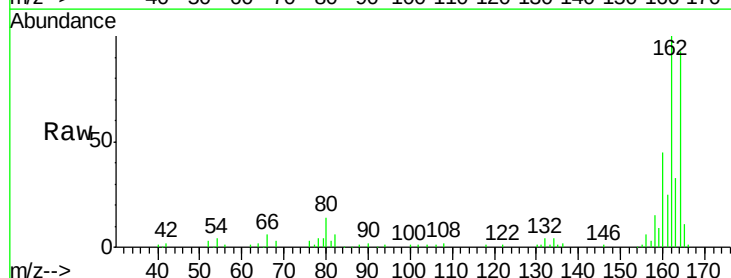
Tgt Ion: 164 Resp: 75655

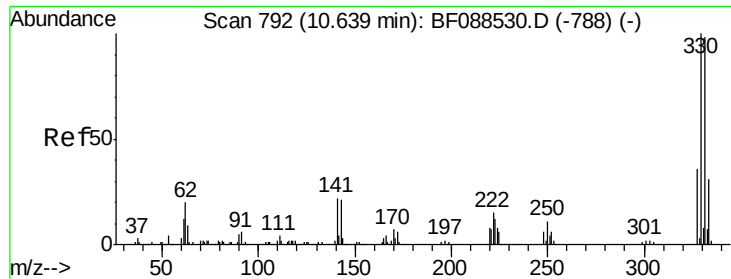
Ion Ratio Lower Upper

164 100

162 108.1 85.4 128.2

160 48.5 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 123.06 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

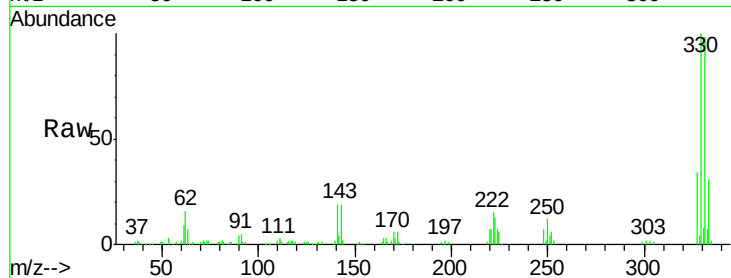
Tgt Ion:330 Resp: 86455

Ion Ratio Lower Upper

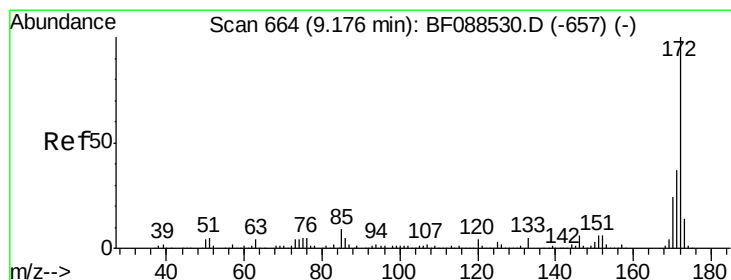
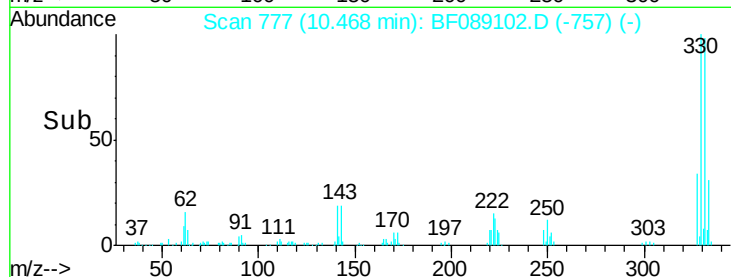
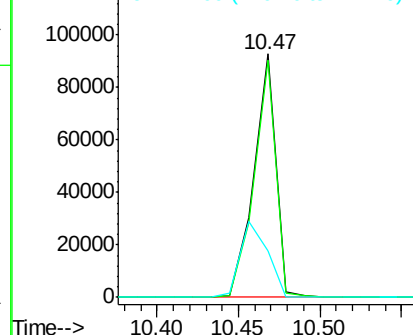
330 100

332 96.5 0.0 0.0#

141 38.8 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: 97.01 ng

RT: 9.00 min Scan# 649

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

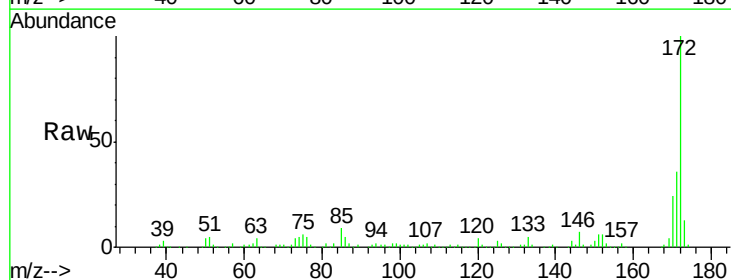
Tgt Ion:172 Resp: 464616

Ion Ratio Lower Upper

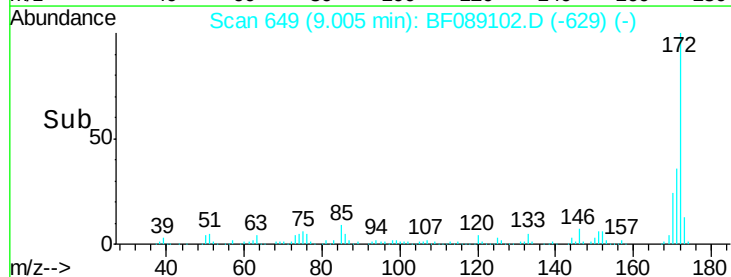
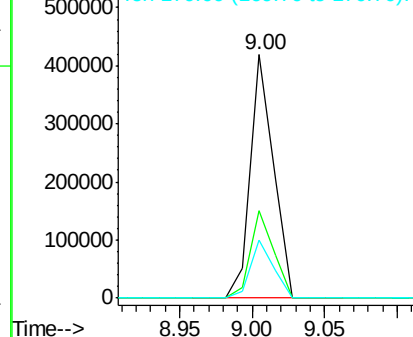
172 100

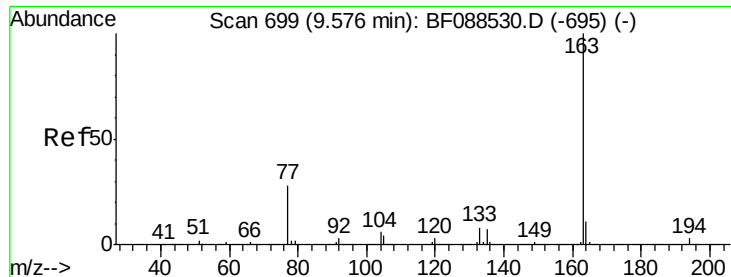
171 35.9 28.6 43.0

170 23.8 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

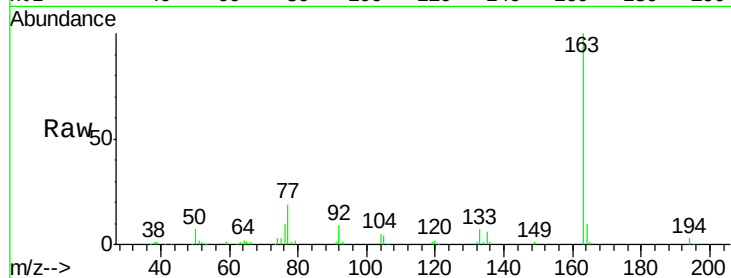




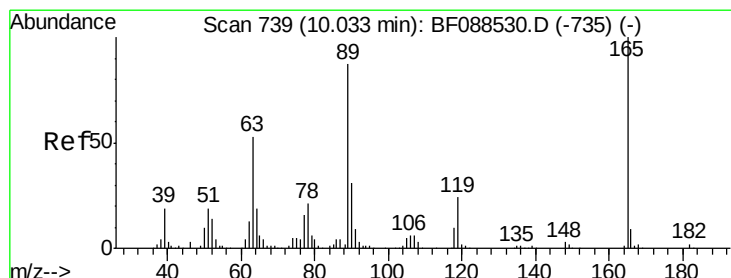
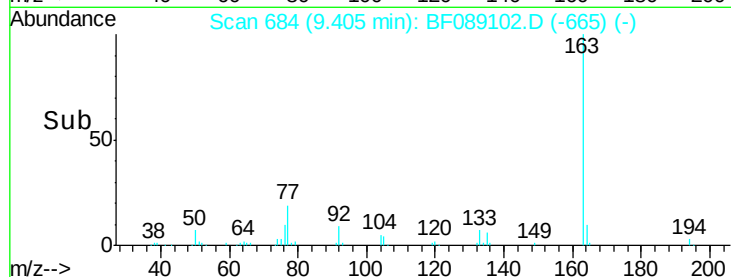
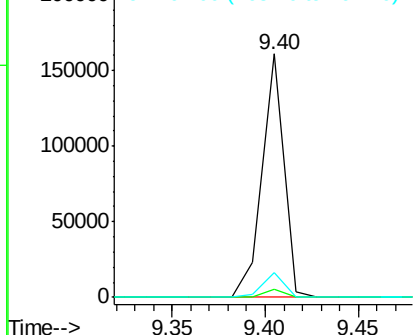
#49
Dimethylphthalate
Concen: 23.98 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
M9-B2(0-8)C

Tgt Ion:163 Resp: 129259
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.0 8.3 12.5

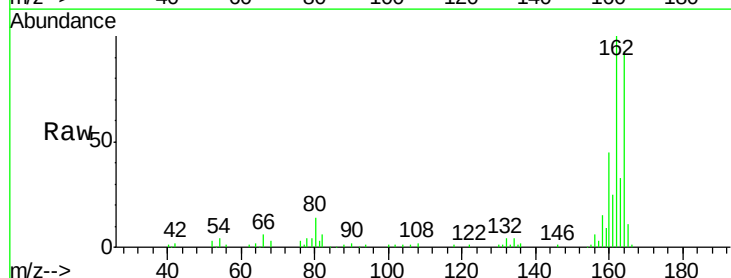


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

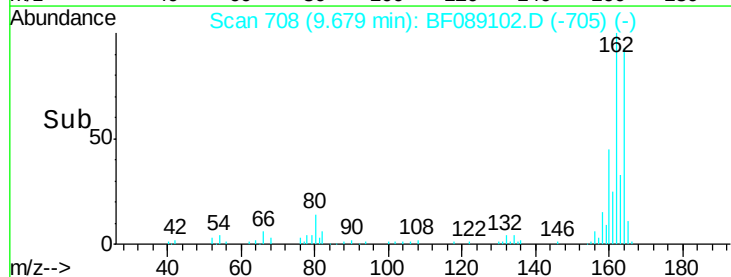
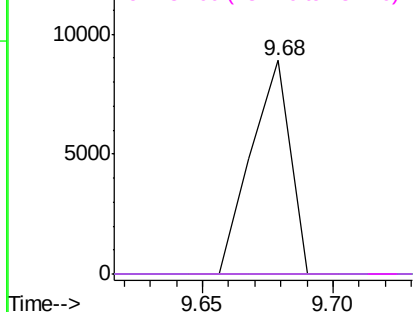


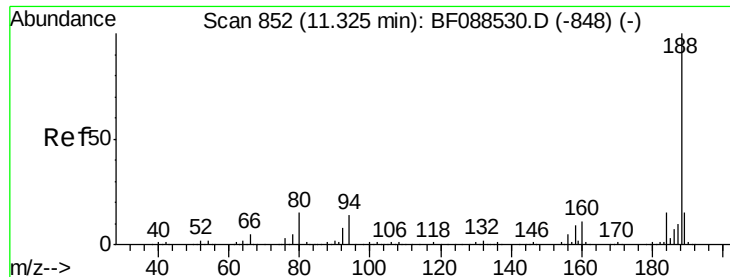
#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Tgt Ion:165 Resp: 9400
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

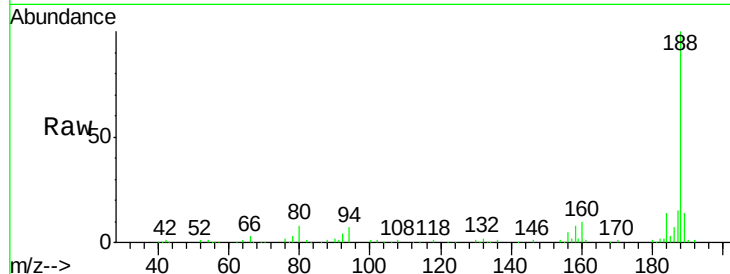




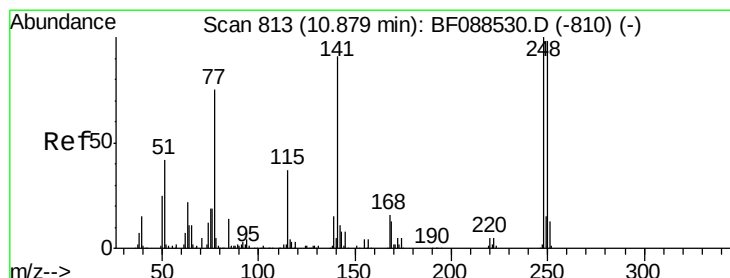
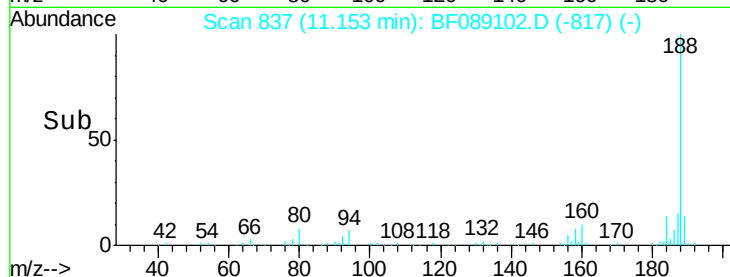
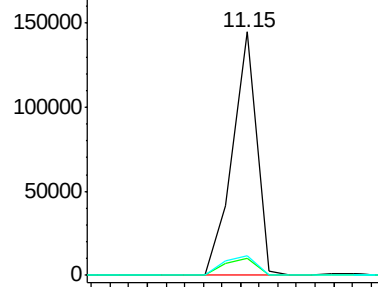
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
M9-B2(0-8)C

Tgt Ion:188 Resp: 129503
Ion Ratio Lower Upper
188 100
94 7.2 9.0 13.6#
80 7.8 10.0 15.0#

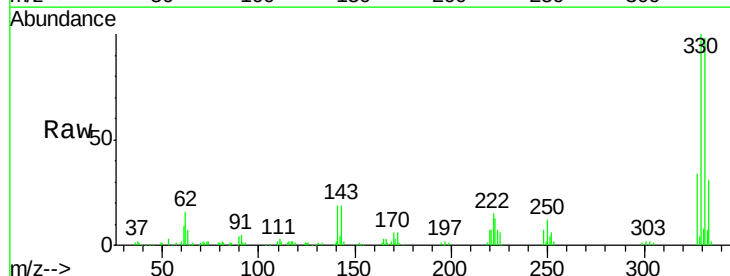


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

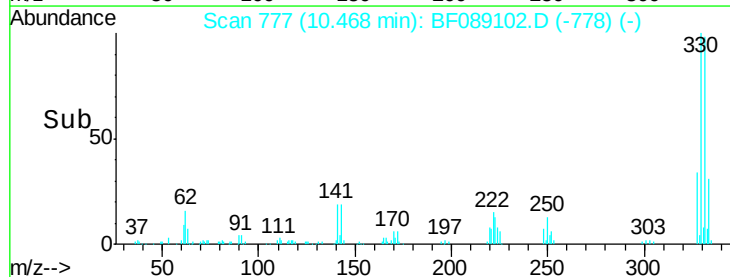
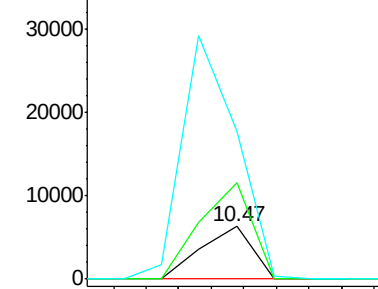


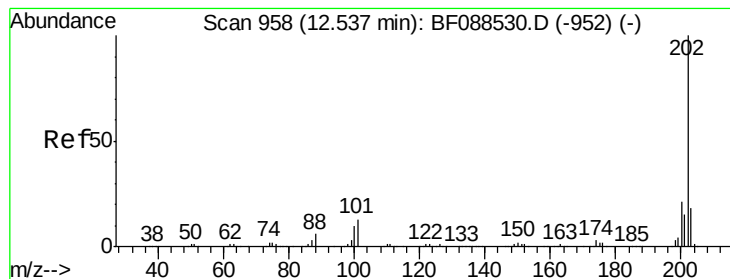
#66
4-Bromophenyl-phenylether
Concen: 5.15 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.31 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Tgt Ion:248 Resp: 6716
Ion Ratio Lower Upper
248 100
250 183.9 77.1 115.7#
141 283.1 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





#74

Fluoranthene

Concen: 3.30 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

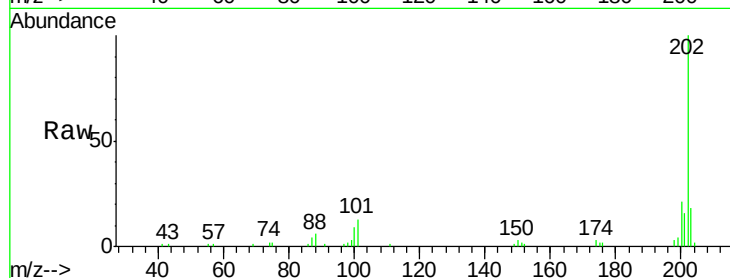
Tgt Ion:202 Resp: 23664

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.1

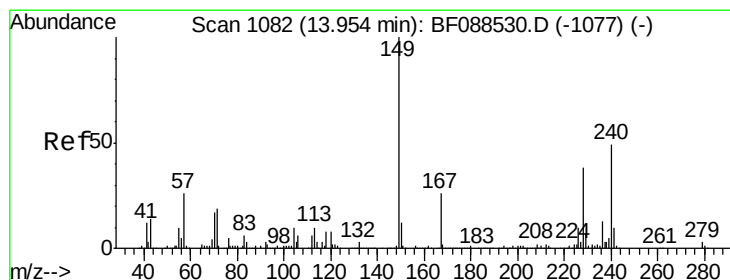
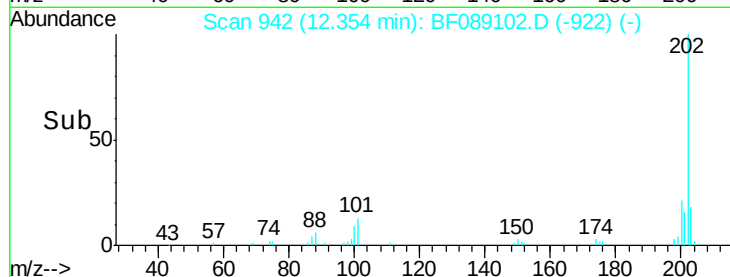
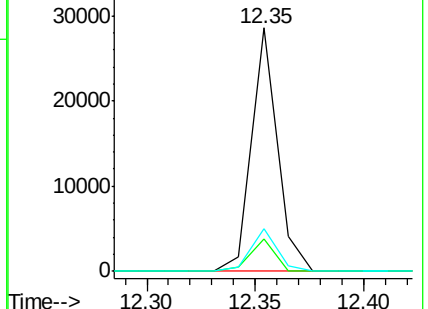
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

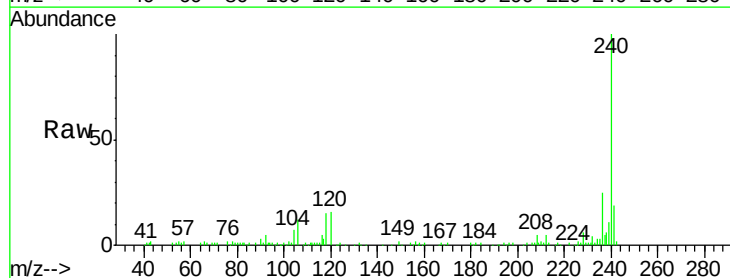
Tgt Ion:240 Resp: 94206

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

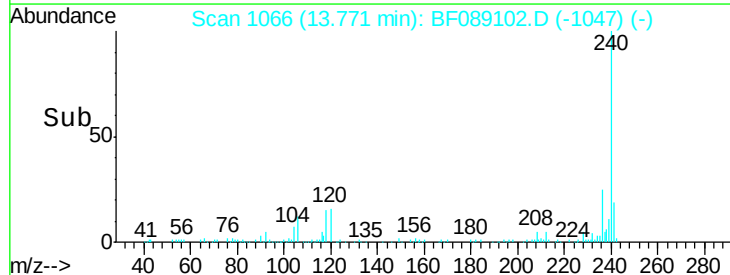
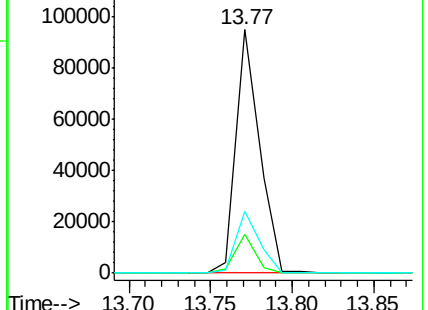
236 25.2 20.2 30.2

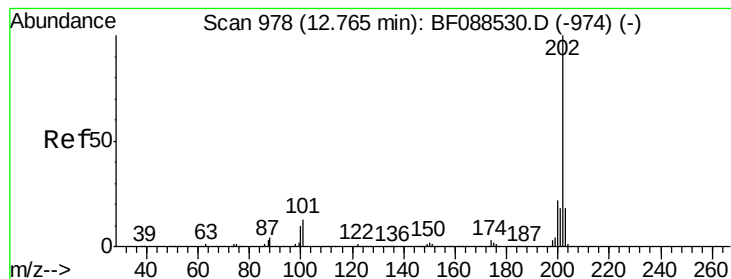


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.15 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

Instrument :

BNA_F

ClientSampleId :

M9-B2(0-8)C

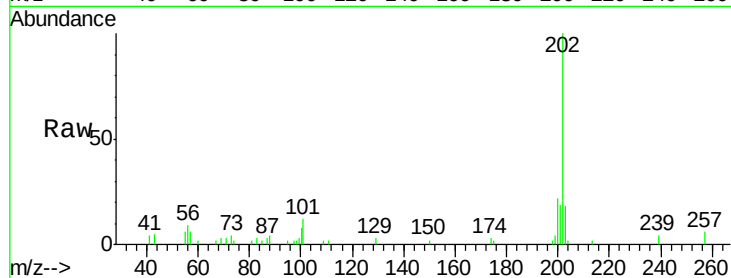
Tgt Ion:202 Resp: 17190

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

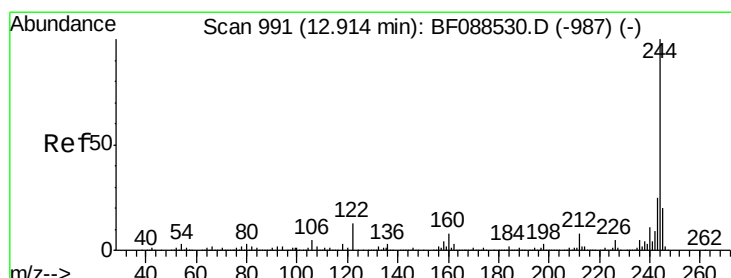
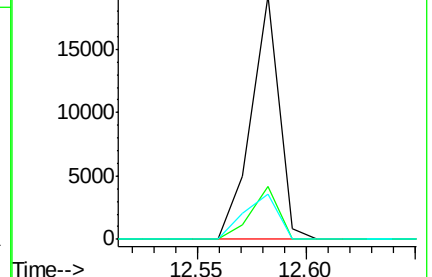
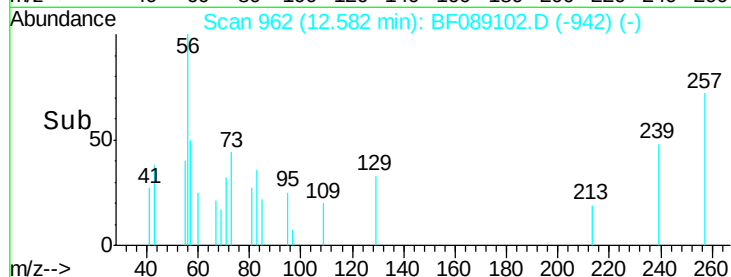
203 18.3 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.43 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089102.D

Acq: 19 Jul 2016 1:10

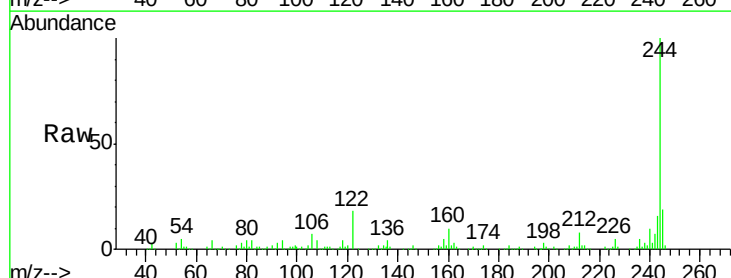
Tgt Ion:244 Resp: 319053

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

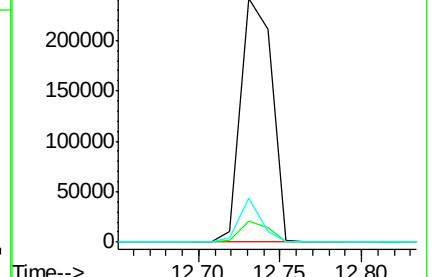
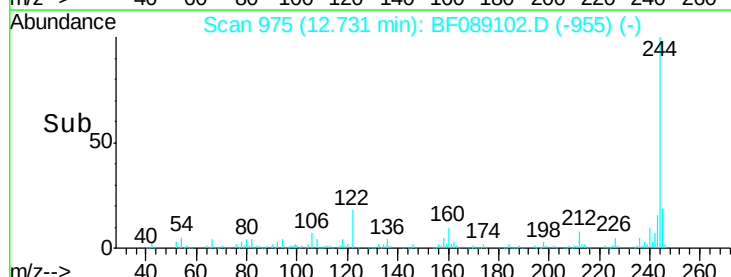
122 18.1 11.2 16.8#

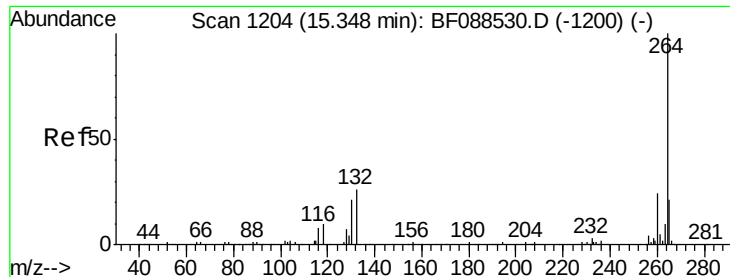


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



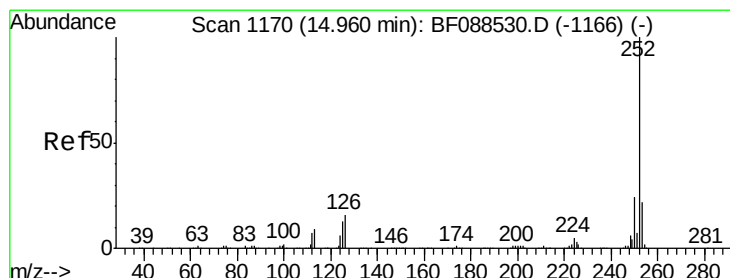
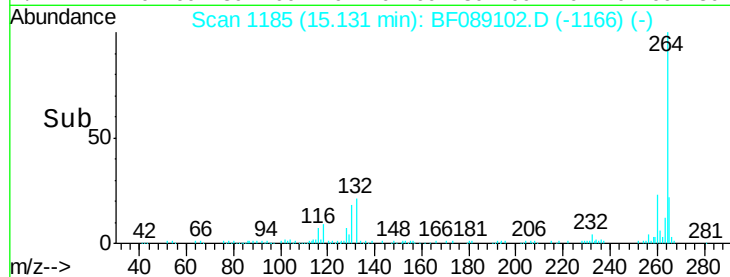
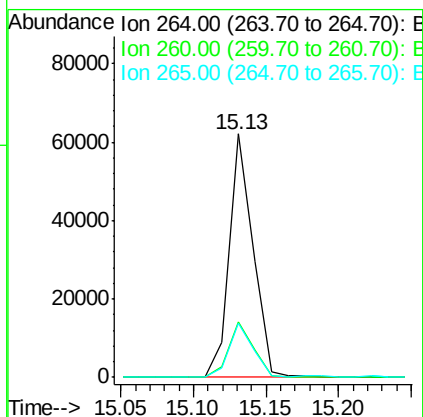
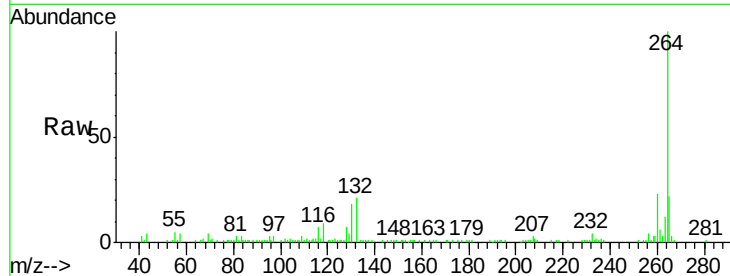


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Instrument :
BNA_F
ClientSampleId :
M9-B2(0-8)C

Tgt Ion: 264 Resp: 70685

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.0	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 3.16 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF089102.D
Acq: 19 Jul 2016 1:10

Tgt Ion: 252 Resp: 14022

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.2
125	17.9	7.1	10.7#

