

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
 Data File : BF089195.D
 Acq On : 22 Jul 2016 14:11
 Operator : UM/SJ
 Sample : H4112-08DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-01-5.0-7.ODL

Quant Time: Jul 25 00:50:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	47638	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	184079	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	90373	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	148176	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	89745	20.00	ng	-0.01
86) Perylene-d12	15.05	264	99214	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	30886	9.86	ng	-0.01
7) Phenol-d6	6.25	99	45679	11.31	ng	-0.02
23) Nitrobenzene-d5	7.16	82	37696	10.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	5715	7.02	ng	-0.01
44) 2-Fluorobiphenyl	8.95	172	51912	7.91	ng	-0.02
78) Terphenyl-d14	12.67	244	31104	7.52	ng	-0.01

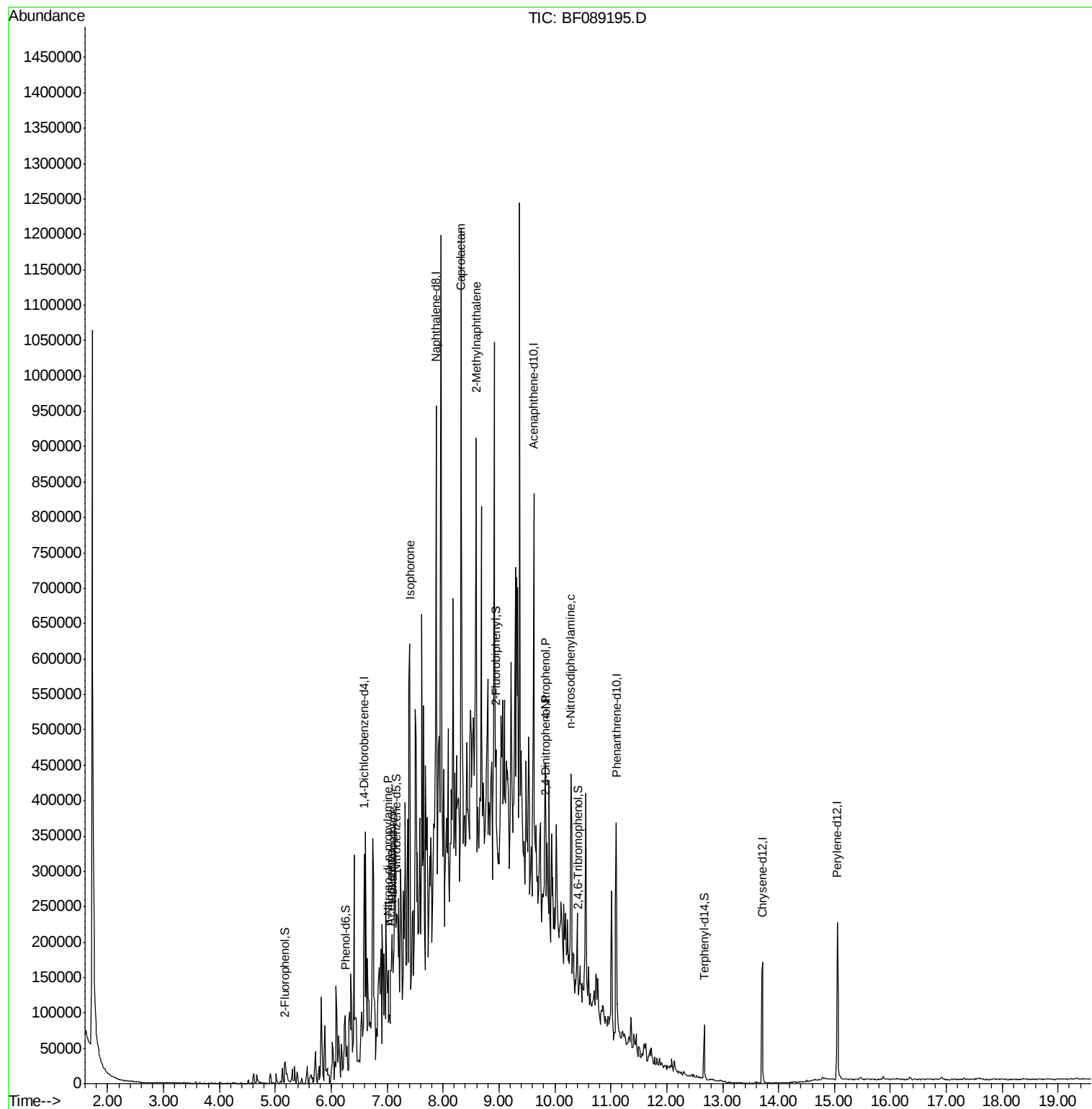
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.10	117	9103	6.26	ng	# 1
19) n-Nitroso-di-n-propylamine	7.02	70	6163	2.33	ng	# 81
22) Acetophenone	7.06	105	10699	2.18	ng	# 31
25) Isophorone	7.40	82	16984	2.66	ng	# 1
35) Caprolactam	8.32	113	26918	33.50	ng	# 9
37) 2-Methylnaphthalene	8.59	142	178691	28.20	ng	98
53) 2,4-Dinitrophenol	9.84	184	260	8.82	ng	# 1
55) 4-Nitrophenol	9.83	139	5942	5.28	ng	# 58
65) n-Nitrosodiphenylamine	10.28	169	18830	3.80	ng	# 42

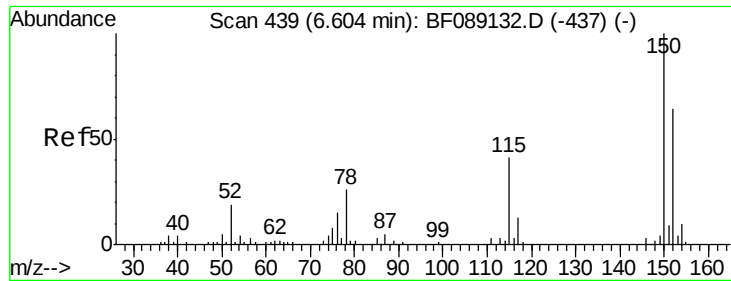
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072216\
Data File : BF089195.D
Acq On : 22 Jul 2016 14:11
Operator : UM/SJ
Sample : H4112-08DL 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KMW-01-5.0-7.0DL

Quant Time: Jul 25 00:50:21 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

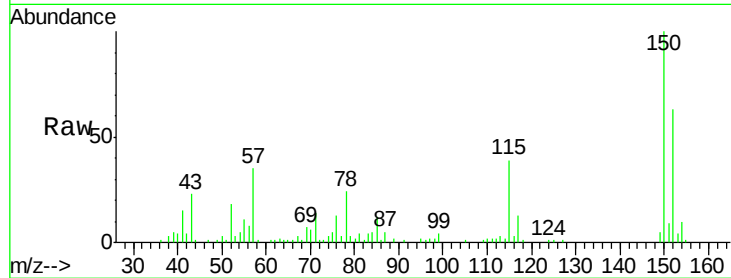
Tgt Ion:152 Resp: 47638

Ion Ratio Lower Upper

152 100

150 158.9 125.1 187.7

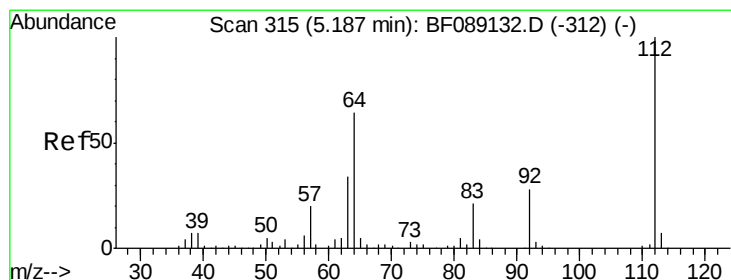
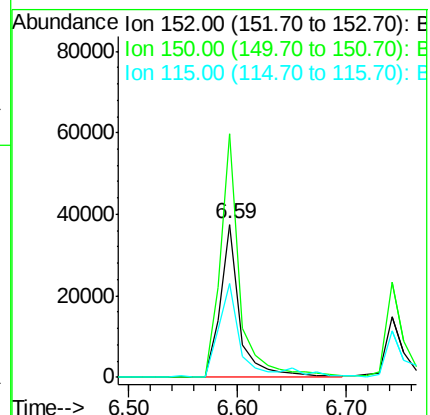
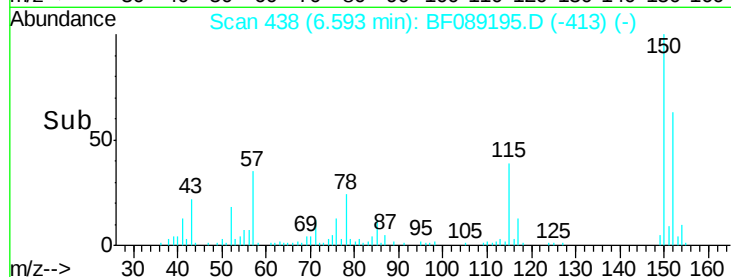
115 61.5 51.1 76.7



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: 9.86 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

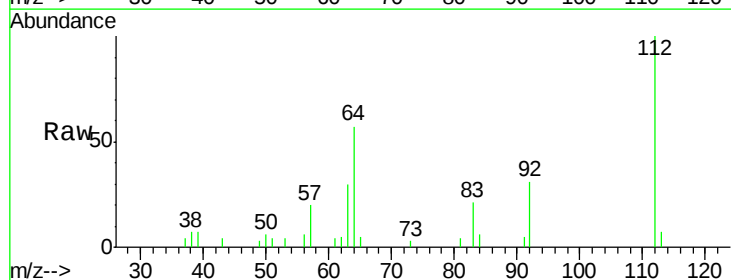
Tgt Ion:112 Resp: 30886

Ion Ratio Lower Upper

112 100

64 56.7 51.0 76.4

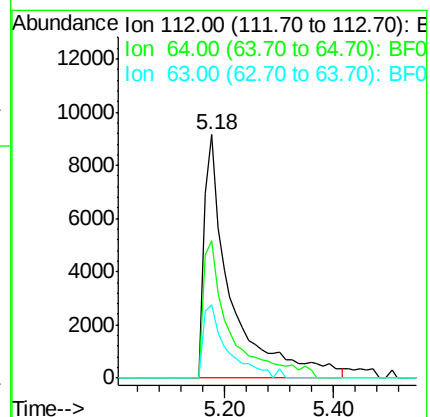
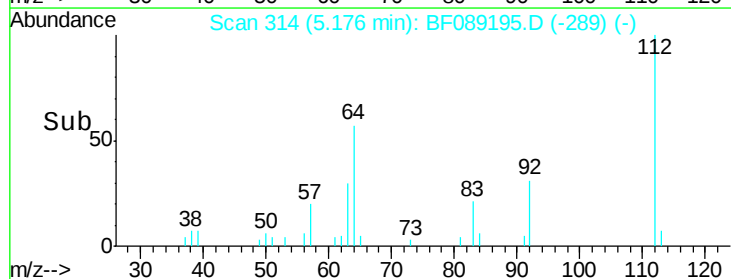
63 30.0 27.3 40.9

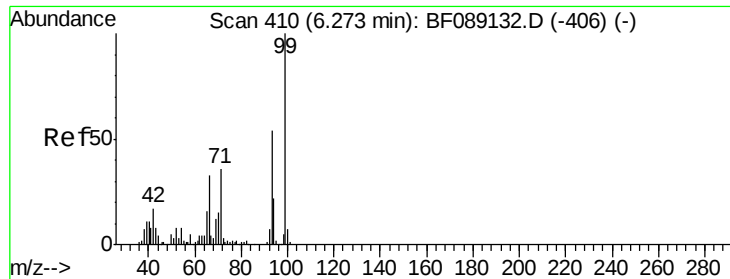


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.31 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

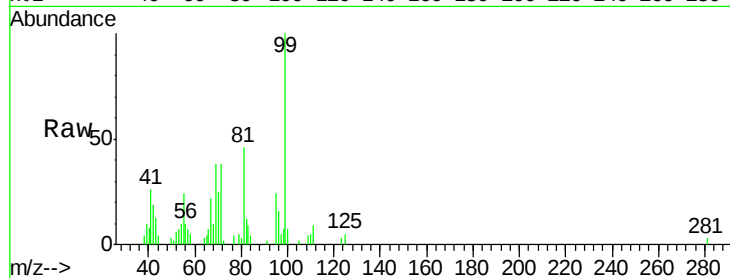
Tgt Ion: 99 Resp: 45679

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

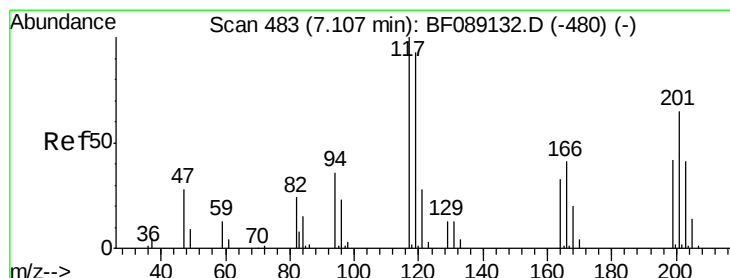
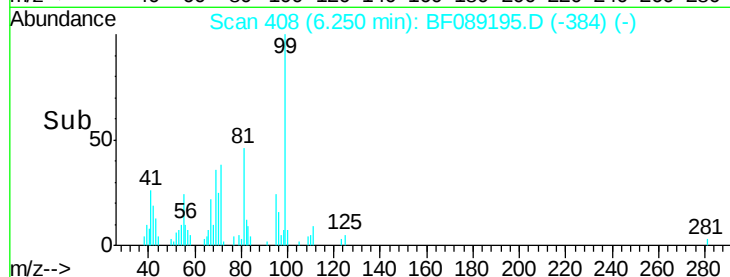
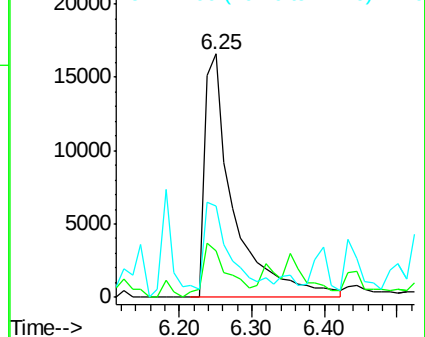
71 37.5 28.9 43.3



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



#18

Hexachloroethane

Concen: 6.26 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

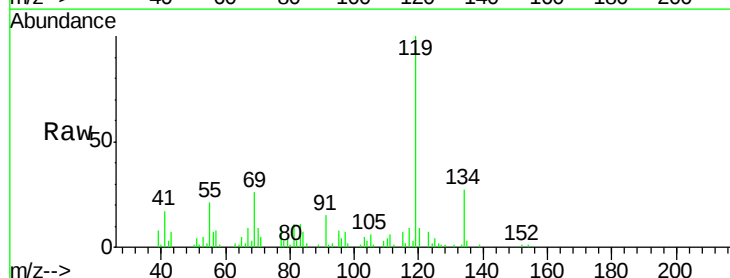
Tgt Ion: 117 Resp: 9103

Ion Ratio Lower Upper

117 100

119 1173.6 74.5 111.7#

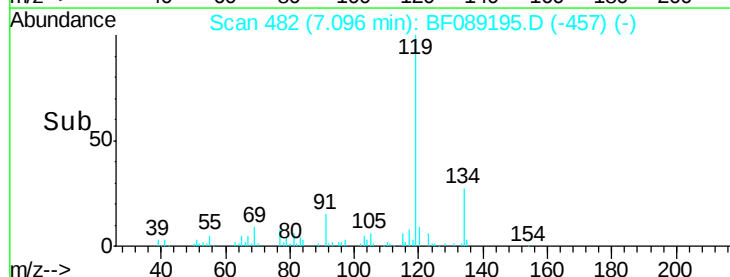
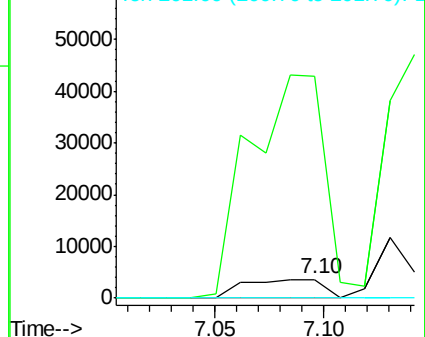
201 0.0 51.8 77.6#

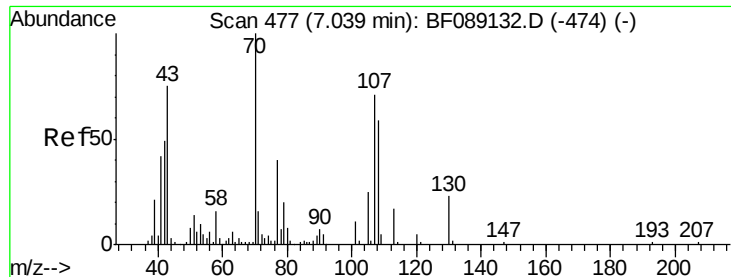


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

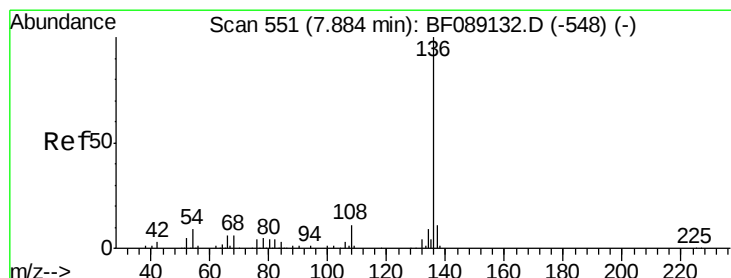
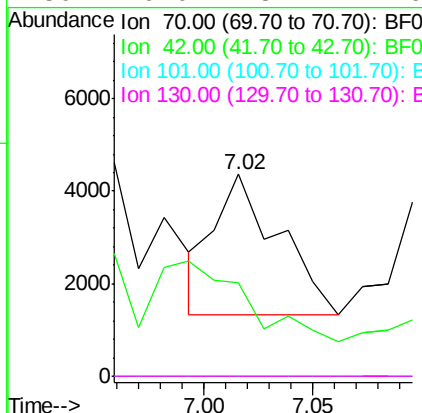
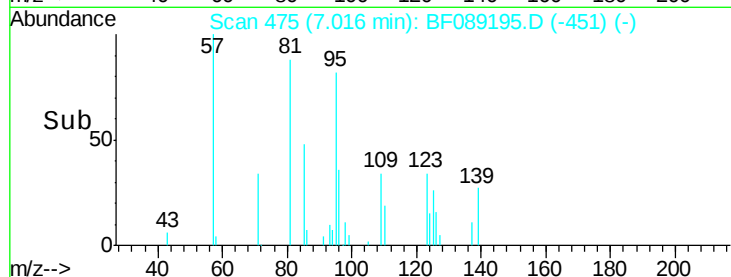
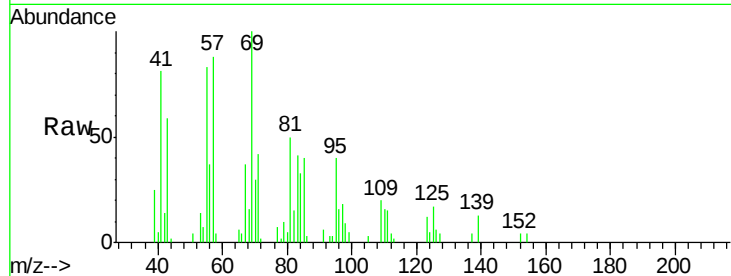




#19
n-Nitroso-di-n-propylamine
Concen: 2.33 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF089195.D
Acq: 22 Jul 2016 14:11

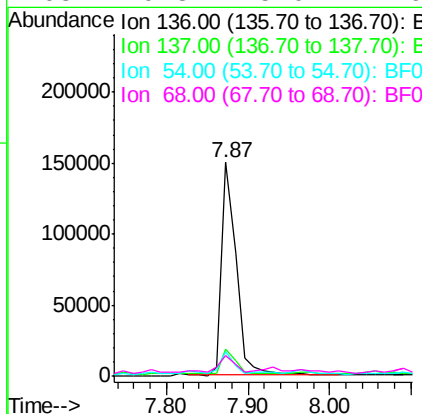
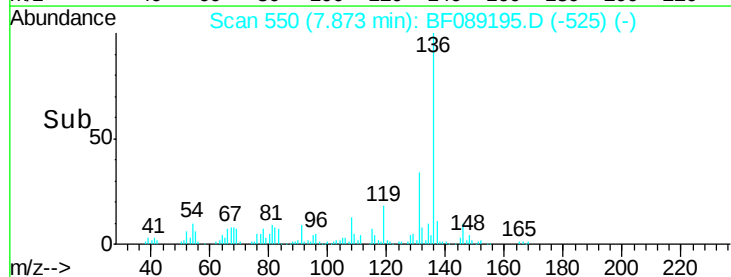
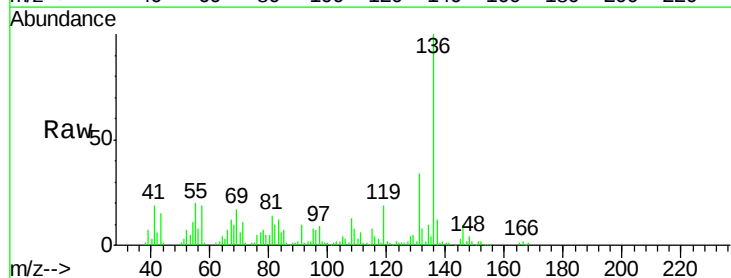
Instrument :
BNA_F
ClientSampleId :
KMW-01-5.0-7.0DL

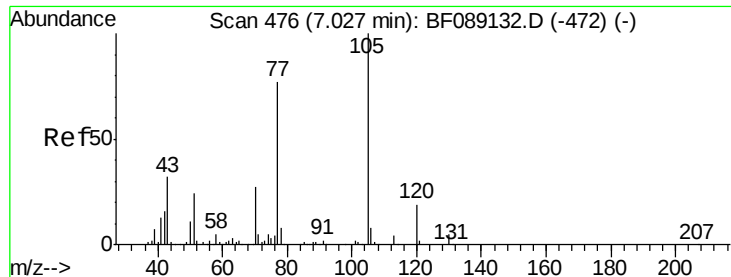
Tgt Ion: 70 Resp: 6163
Ion Ratio Lower Upper
70 100
42 46.1 39.2 58.8
101 0.0 8.5 12.7#
130 0.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF089195.D
Acq: 22 Jul 2016 14:11

Tgt Ion: 136 Resp: 184079
Ion Ratio Lower Upper
136 100
137 12.4 8.8 13.2
54 11.2 7.0 10.4#
68 9.8 5.0 7.6#





#22

Acetophenone

Concen: 2.18 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.03 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

Tgt Ion:105 Resp: 10699

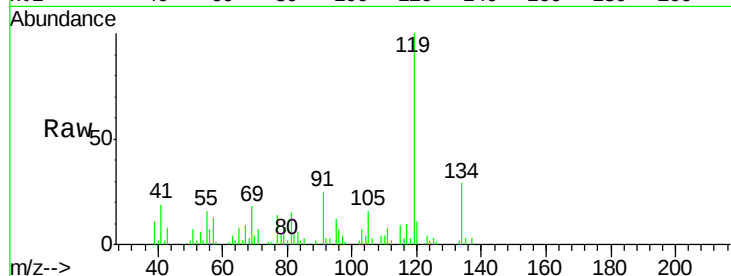
Ion Ratio Lower Upper

105 100

71 40.0 3.8 5.6#

51 43.3 19.6 29.4#

120 64.3 15.5 23.3#

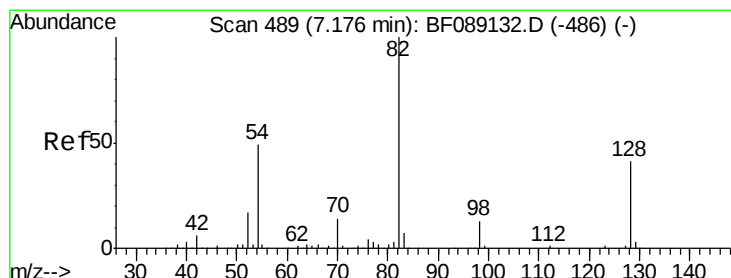
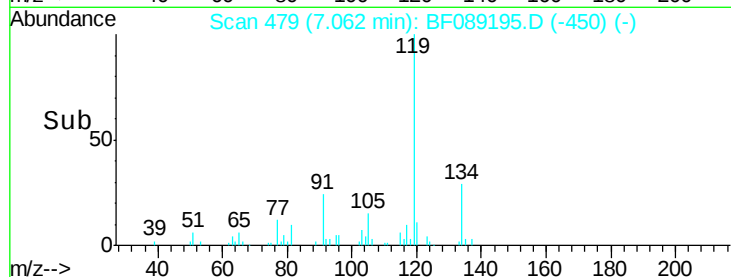
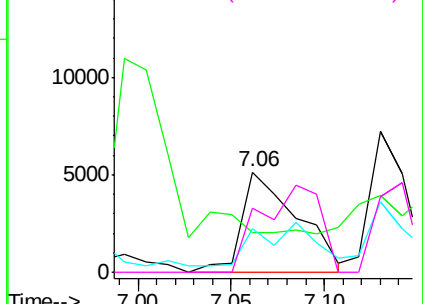


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 10.88 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

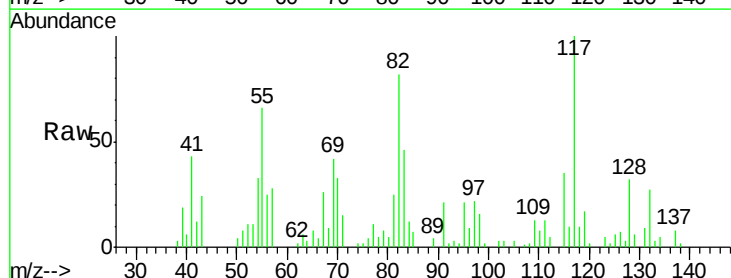
Tgt Ion: 82 Resp: 37696

Ion Ratio Lower Upper

82 100

128 38.9 33.0 49.6

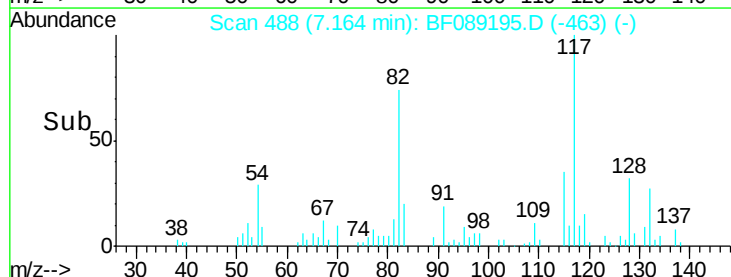
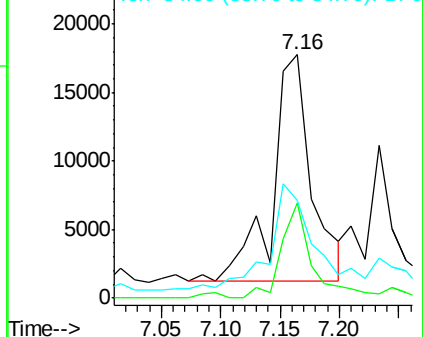
54 40.2 39.0 58.4

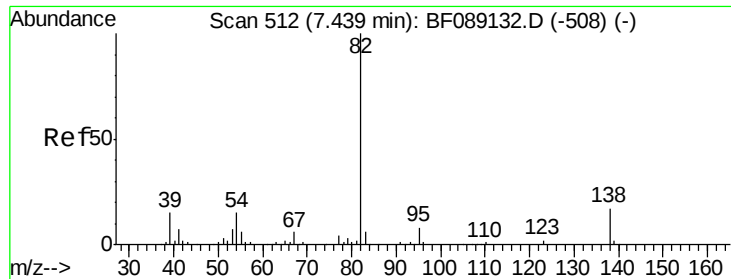


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.66 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

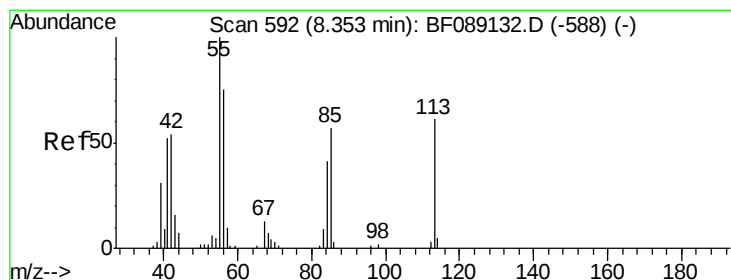
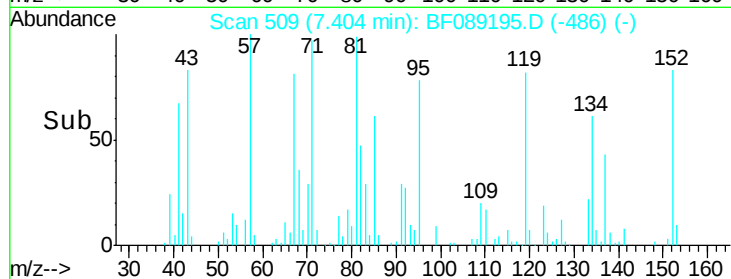
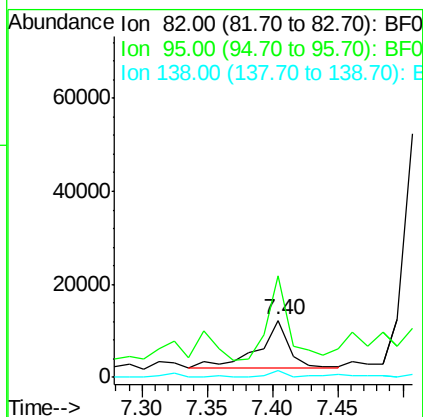
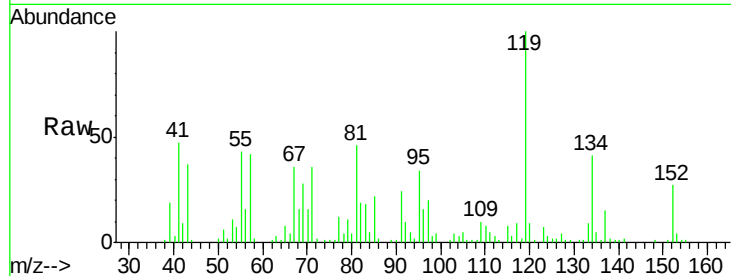
Tgt Ion: 82 Resp: 16984

Ion Ratio Lower Upper

82 100

95 179.9 6.1 9.1#

138 11.0 13.6 20.4#



#35

Caprolactam

Concen: 33.50 ng

RT: 8.32 min Scan# 589

Delta R.T. -0.03 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

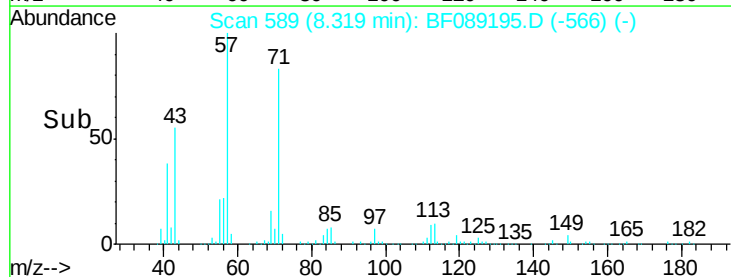
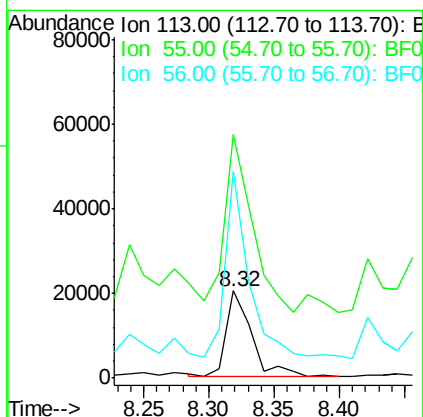
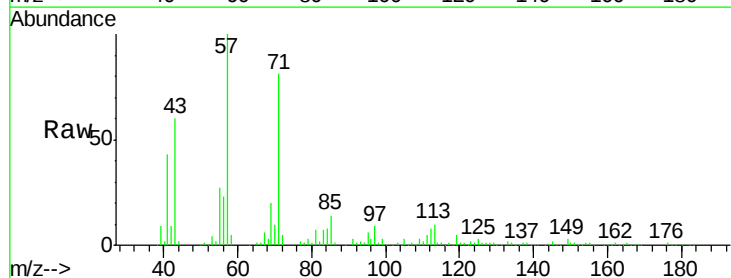
Tgt Ion: 113 Resp: 26918

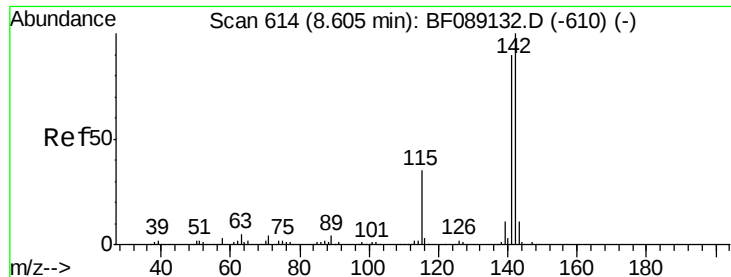
Ion Ratio Lower Upper

113 100

55 280.2 145.3 185.3#

56 236.9 104.3 144.3#

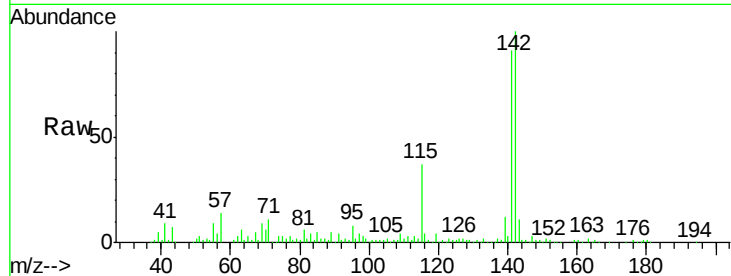




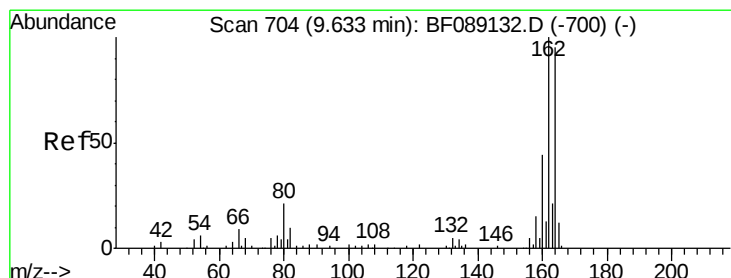
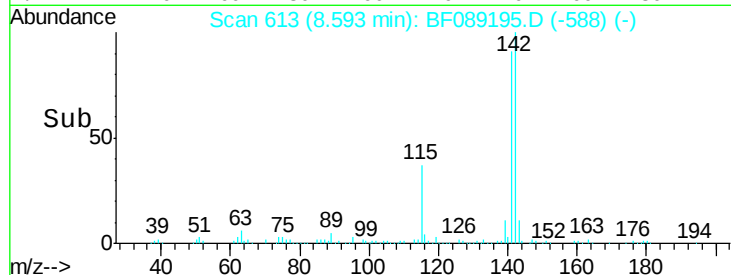
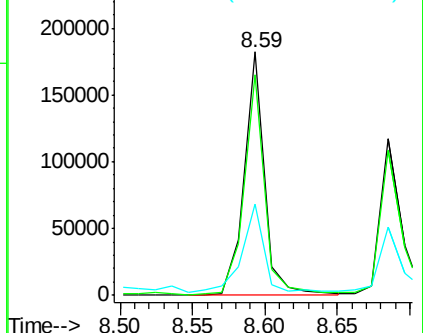
#37
 2-Methylnaphthalene
 Concen: 28.20 ng
 RT: 8.59 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF089195.D
 Acq: 22 Jul 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 KMW-01-5.0-7.0DL

Tgt Ion:142 Resp: 178691
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.6 107.4
 115 37.5 27.6 41.4

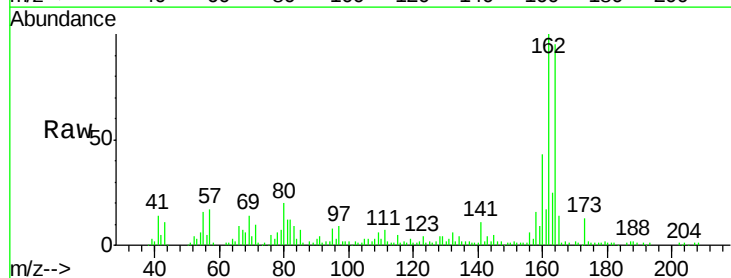


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

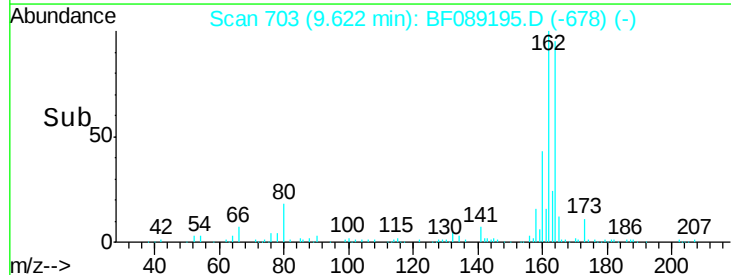
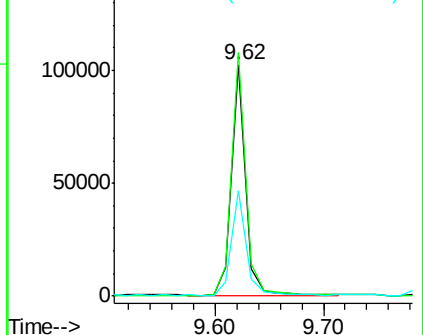


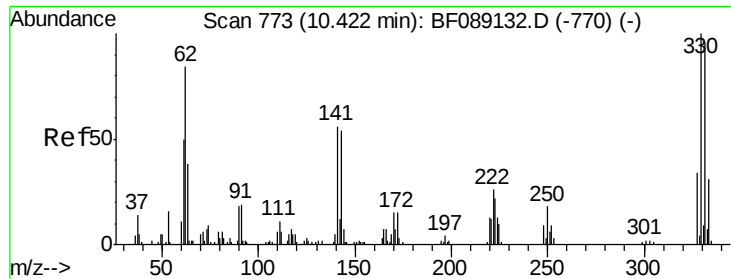
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF089195.D
 Acq: 22 Jul 2016 14:11

Tgt Ion:164 Resp: 90373
 Ion Ratio Lower Upper
 164 100
 162 105.4 84.1 126.1
 160 45.8 37.1 55.7



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

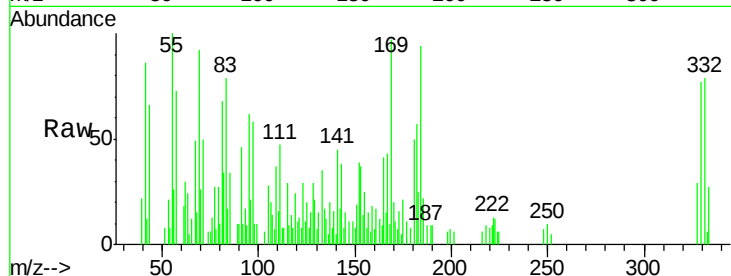




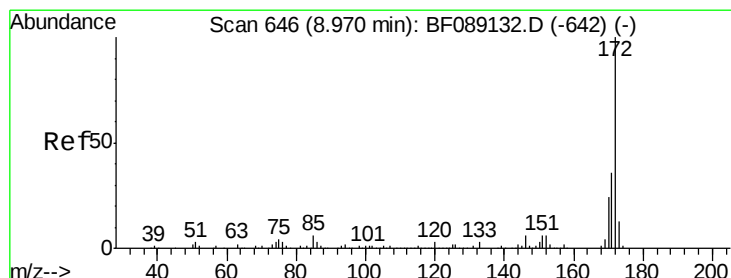
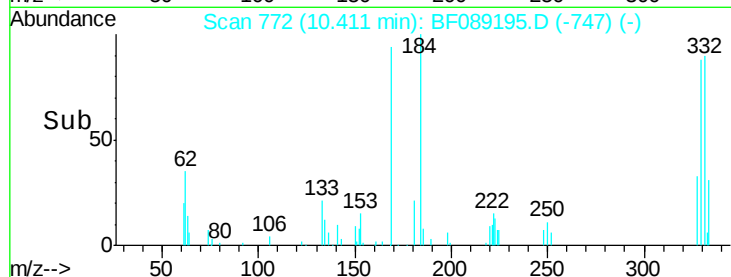
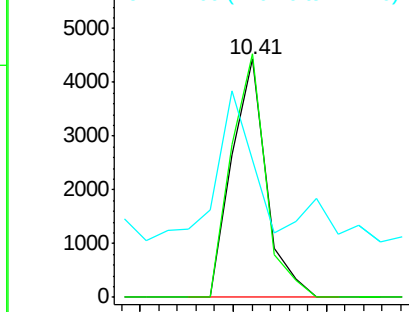
#41
 2,4,6-Tribromophenol
 Concen: 7.02 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BF089195.D
 Acq: 22 Jul 2016 14:11

Instrument :
 BNA_F
 ClientSampleId :
 KMW-01-5.0-7.0DL

Tgt Ion:330 Resp: 5715
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.2 115.8
 141 68.0 42.2 63.2#

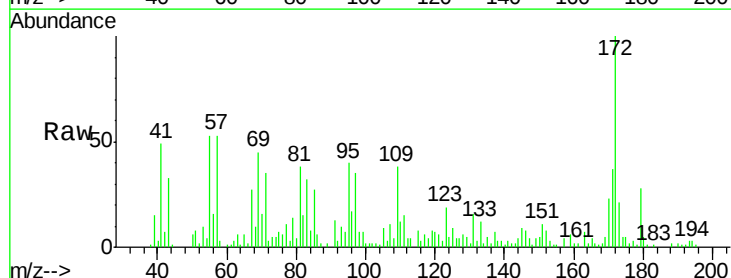


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

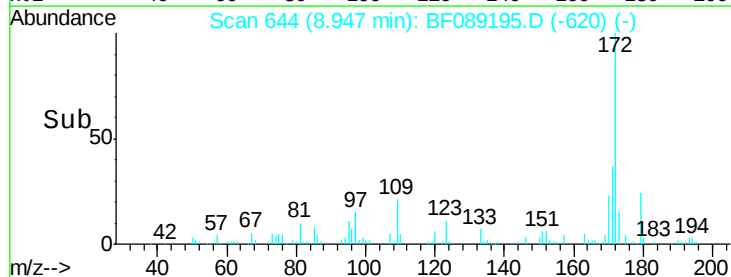
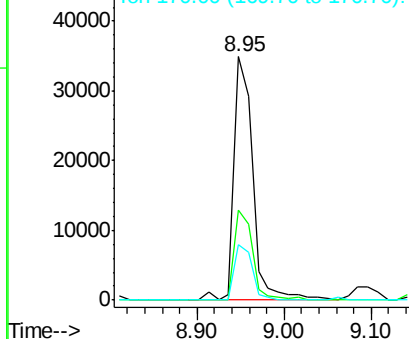


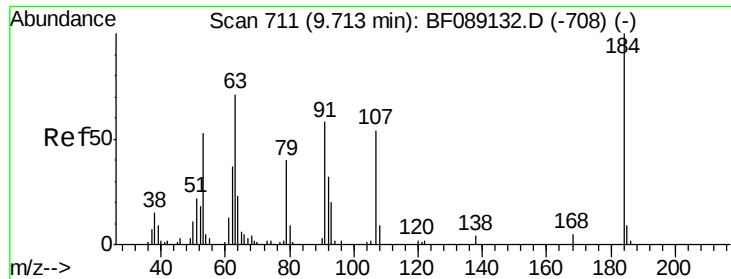
#44
 2-Fluorobiphenyl
 Concen: 7.91 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089195.D
 Acq: 22 Jul 2016 14:11

Tgt Ion:172 Resp: 51912
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.2 43.8
 170 23.0 19.1 28.7



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

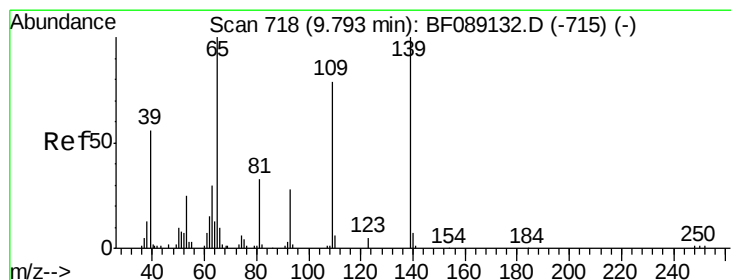
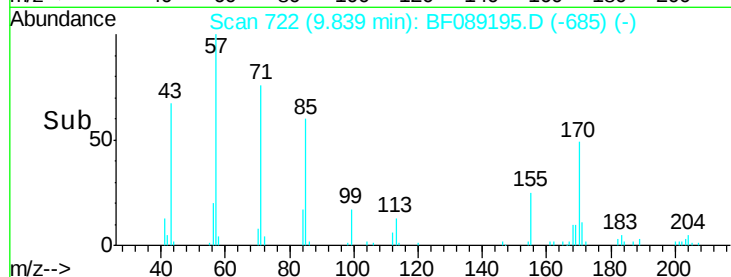
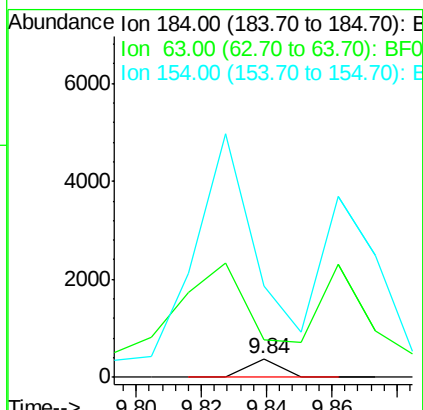
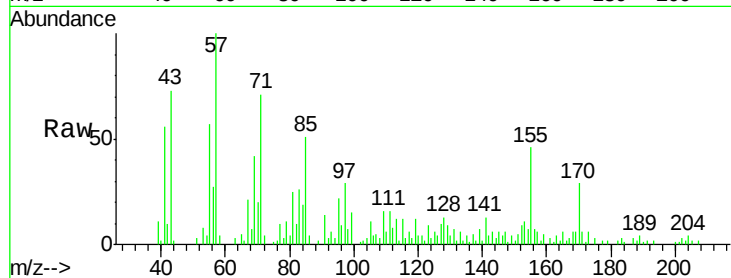




#53
2,4-Dinitrophenol
Concen: 8.82 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.13 min
Lab File: BF089195.D
Acq: 22 Jul 2016 14:11

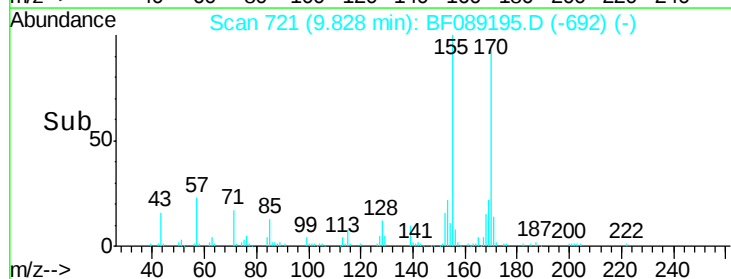
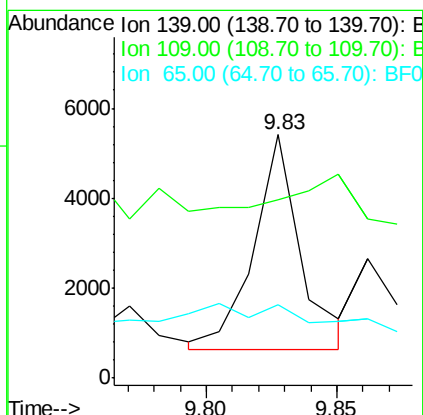
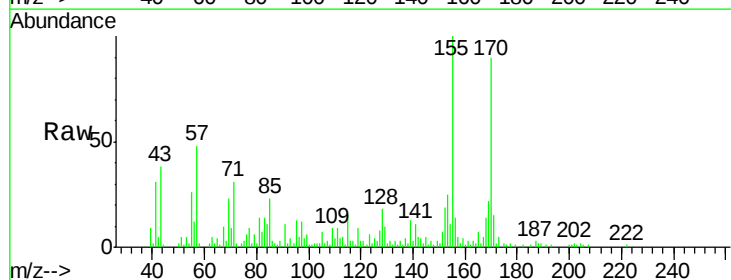
Instrument :
BNA_F
ClientSampleId :
KMW-01-5.0-7.0DL

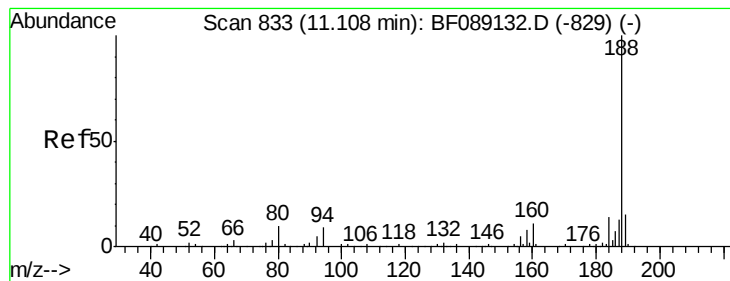
Tgt Ion:184 Resp: 260
Ion Ratio Lower Upper
184 100
63 205.5 60.3 90.5#
154 493.7 60.7 91.1#



#55
4-Nitrophenol
Concen: 5.28 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.03 min
Lab File: BF089195.D
Acq: 22 Jul 2016 14:11

Tgt Ion:139 Resp: 5942
Ion Ratio Lower Upper
139 100
109 73.1 58.7 98.7
65 30.3 80.2 120.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

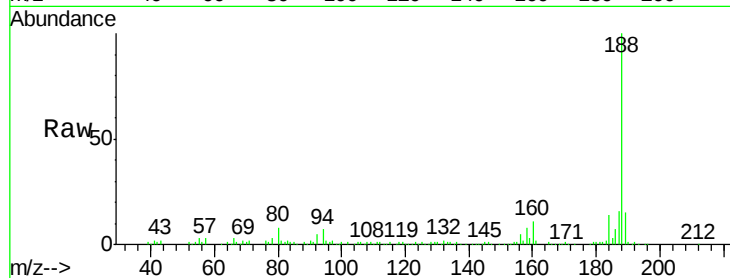
Tgt Ion:188 Resp: 148176

Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.4

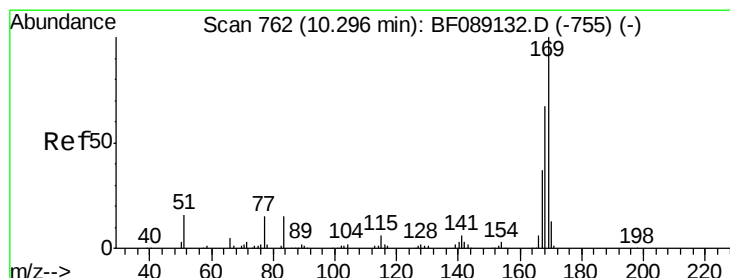
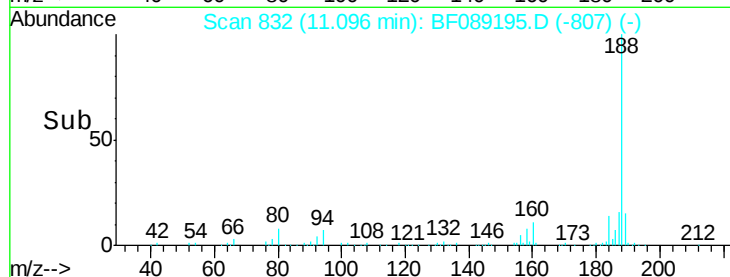
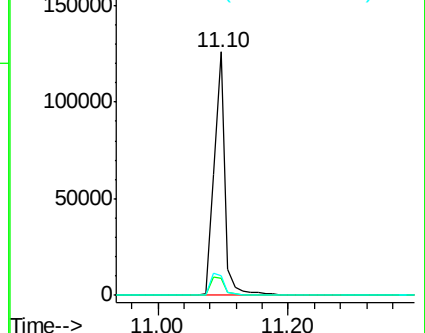
80 8.0 7.7 11.5



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



#65

n-Nitrosodiphenylamine

Concen: 3.80 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

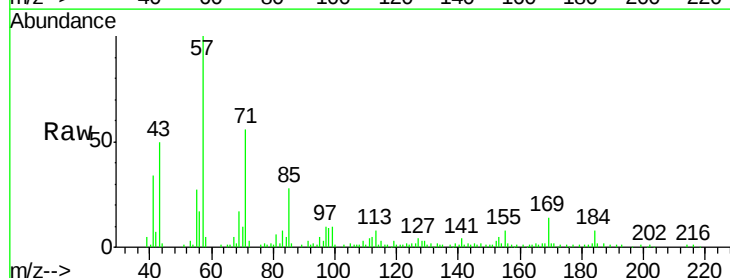
Tgt Ion:169 Resp: 18830

Ion Ratio Lower Upper

169 100

168 13.1 53.4 80.0#

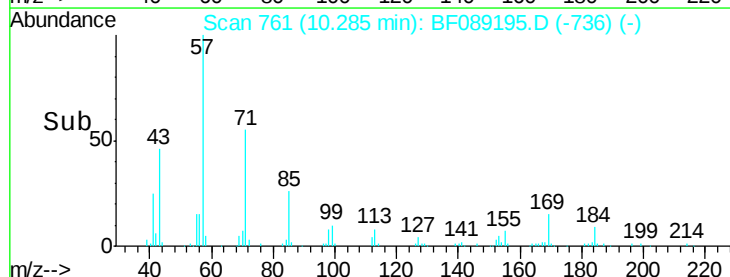
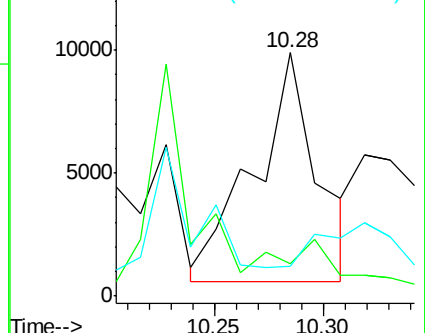
167 12.3 29.5 44.3#

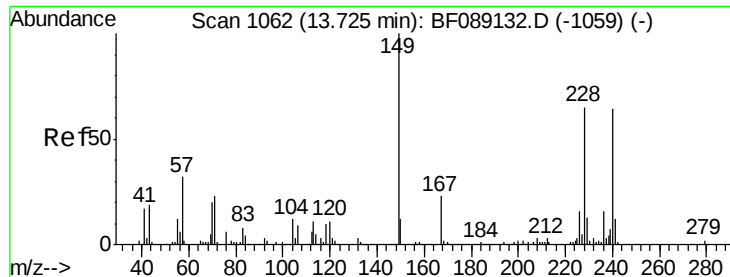


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_F

ClientSampleId :

KMW-01-5.0-7.0DL

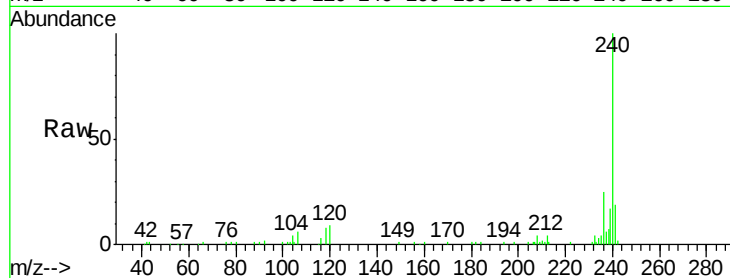
Tgt Ion:240 Resp: 89745

Ion Ratio Lower Upper

240 100

120 8.6 13.6 20.4#

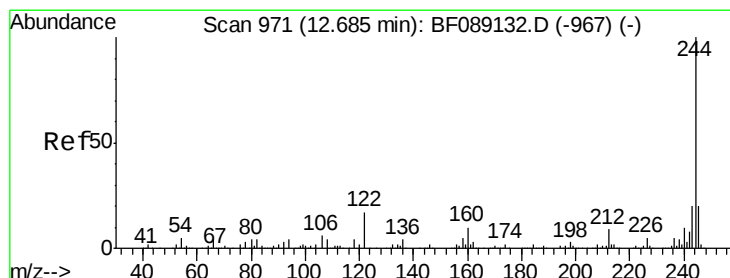
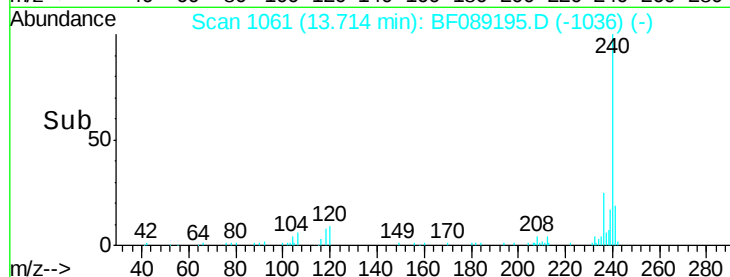
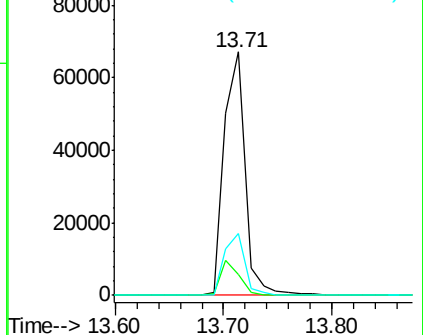
236 25.4 20.5 30.7



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: 7.52 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF089195.D

Acq: 22 Jul 2016 14:11

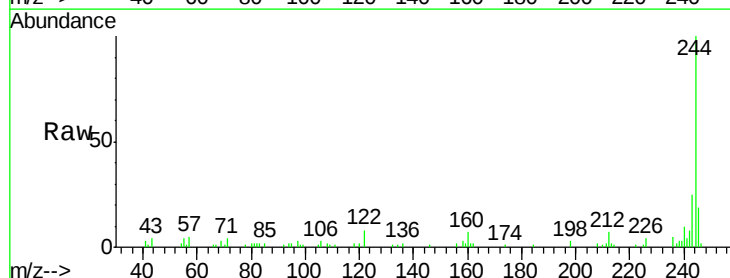
Tgt Ion:244 Resp: 31104

Ion Ratio Lower Upper

244 100

212 7.3 7.0 10.4

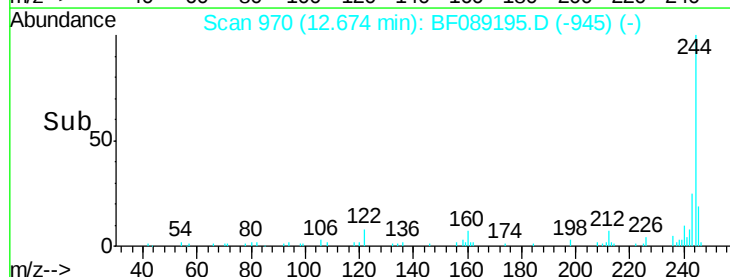
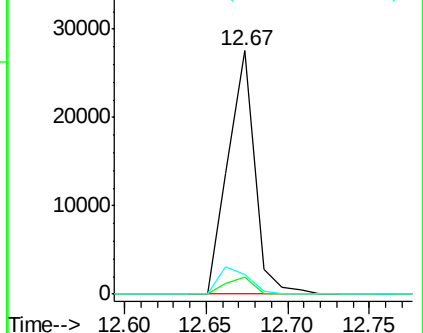
122 8.1 13.8 20.8#

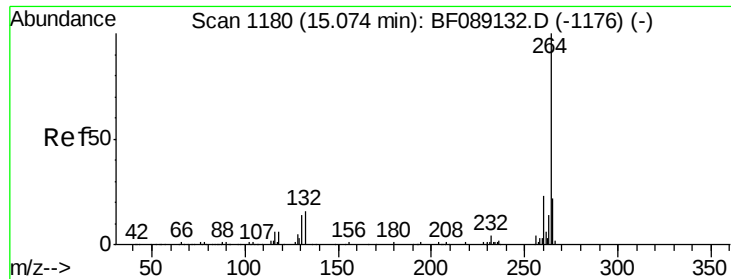


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.05 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF089195.D
Acq: 22 Jul 2016 14:11

Instrument :
BNA_F
ClientSampleId :
KMW-01-5.0-7.0DL

Tgt Ion: 264 Resp: 99214
Ion Ratio Lower Upper
264 100
260 24.8 18.5 27.7
265 21.6 17.3 25.9

