

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088303.D
 Acq On : 23 Jun 2016 22:12
 Operator : UM/SJ
 Sample : H3607-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW2-15

Quant Time: Jun 24 01:38:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	93865	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	360727	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	160634	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	286894	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	185725	20.00	ng	-0.02
86) Perylene-d12	15.09	264	158729	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	346798	63.16	ng	0.01
7) Phenol-d6	6.26	99	290360	43.64	ng	0.00
23) Nitrobenzene-d5	7.18	82	539218	87.29	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	191634	112.98	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	912965	89.58	ng	-0.01
78) Terphenyl-d14	12.69	244	664493	81.42	ng	-0.01

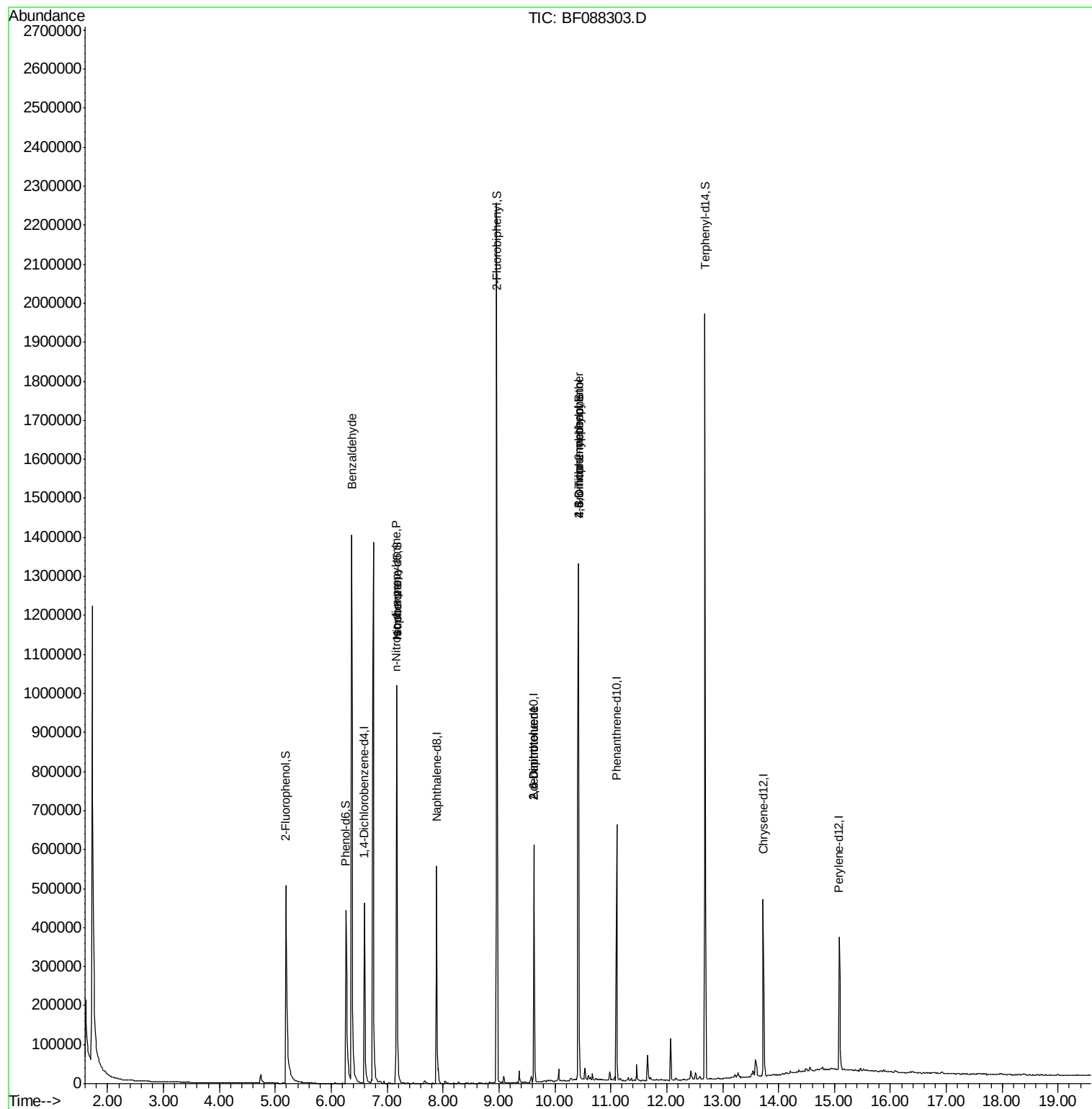
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	11185	2.47	ng	# 72
10) Phenol	6.28	94	895	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.16	70	68413	16.07	ng	# 72
25) Isophorone	7.18	82	528371	46.18	ng	# 65
45) 1,1'-Biphenyl	8.96	154	1672	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.62	165	20641	7.75	ng	# 39
56) 2,4-Dinitrotoluene	9.62	165	20641	6.03	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.42	198	270	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.42	248	13012	4.23	ng	# 1

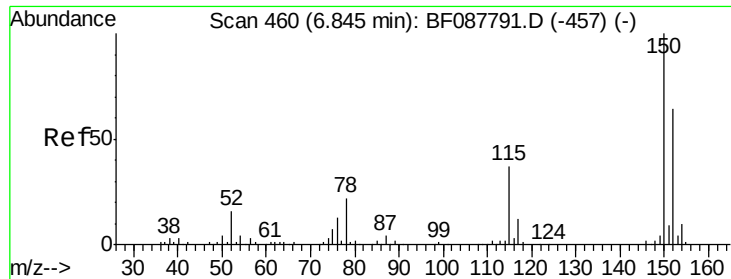
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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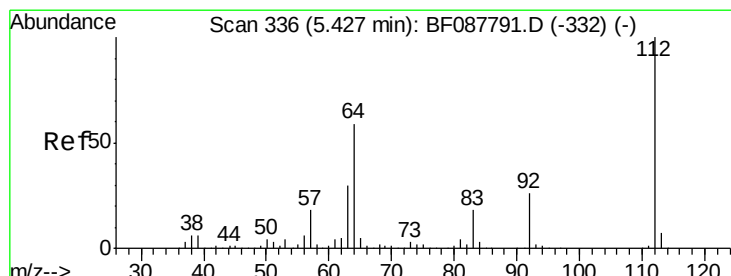
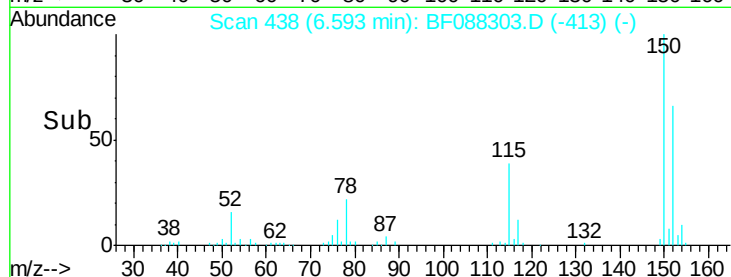
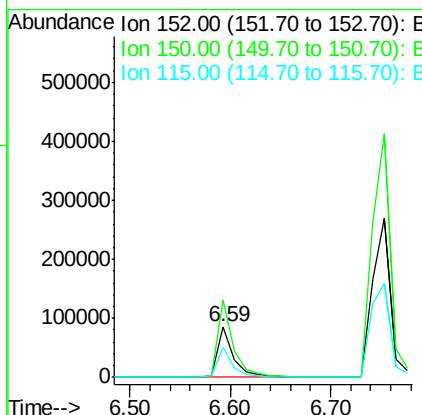
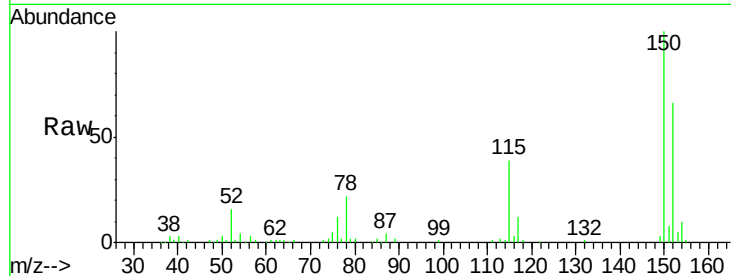




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF088303.D
 Acq: 23 Jun 2016 22:12

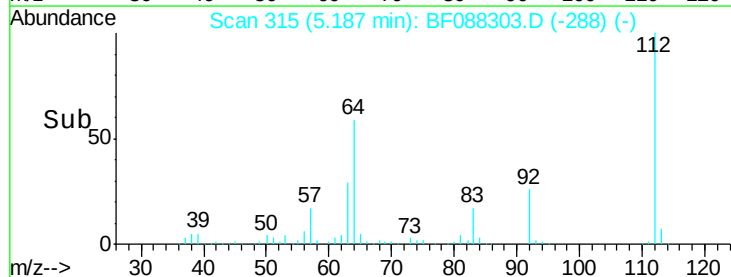
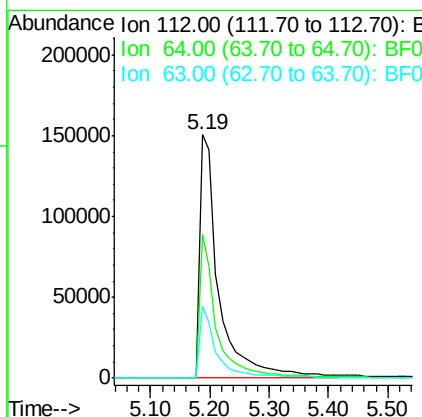
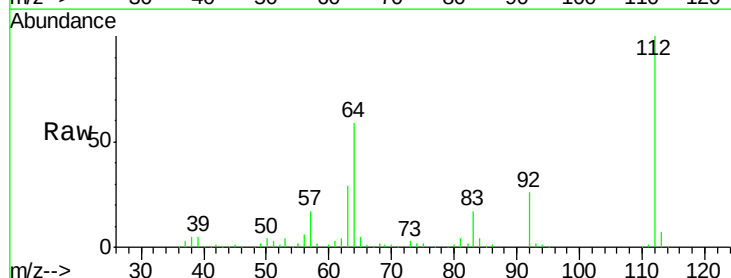
Instrument :
 BNA_F
 ClientSampleId :
 TE-MW2-15

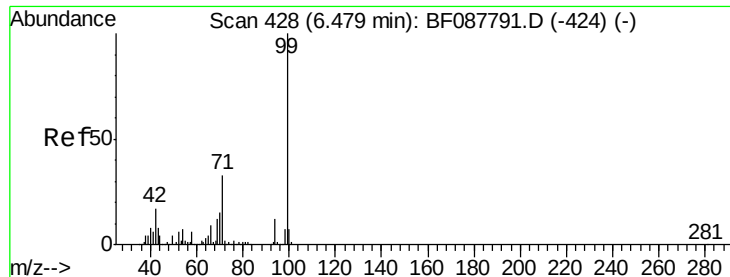
Tgt Ion:152 Resp: 93865
 Ion Ratio Lower Upper
 152 100
 150 151.6 123.8 185.6
 115 58.8 39.6 59.4



#5
 2-Fluorophenol
 Concen: 63.16 ng
 RT: 5.19 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: BF088303.D
 Acq: 23 Jun 2016 22:12

Tgt Ion:112 Resp: 346798
 Ion Ratio Lower Upper
 112 100
 64 58.9 42.2 63.2
 63 29.5 21.8 32.8





#7

Phenol-d6

Concen: 43.64 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

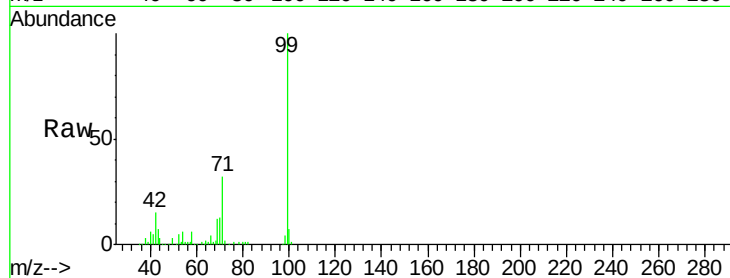
Tgt Ion: 99 Resp: 290360

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

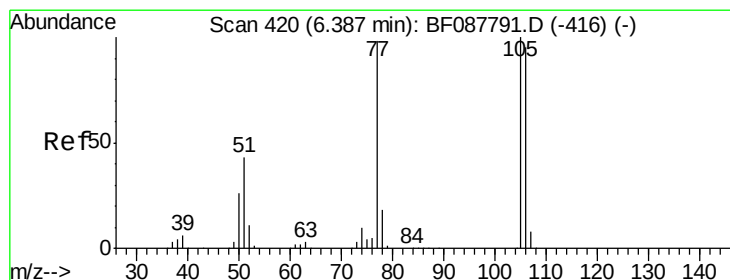
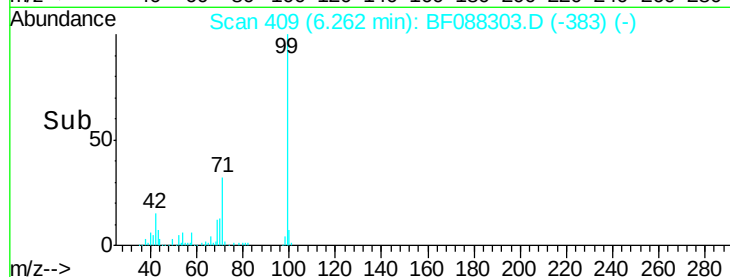
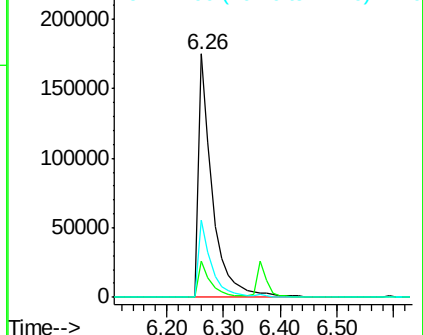
71 31.9 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.47 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.22 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

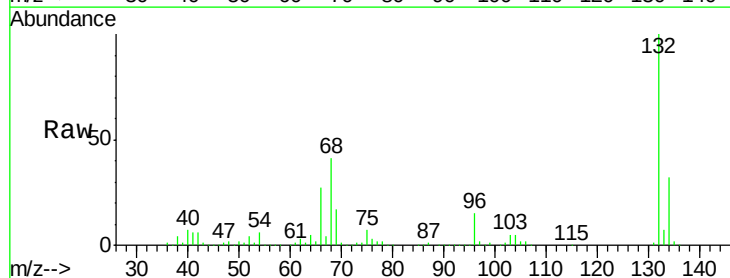
Tgt Ion: 77 Resp: 11185

Ion Ratio Lower Upper

77 100

105 82.7 90.6 130.6#

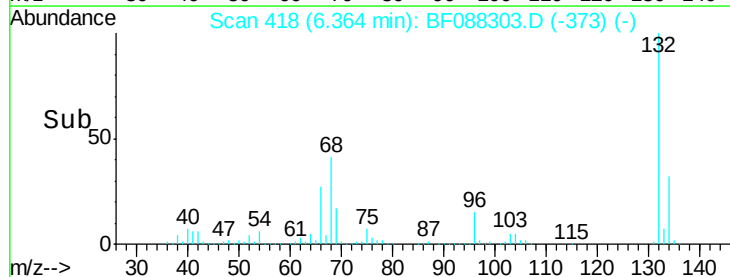
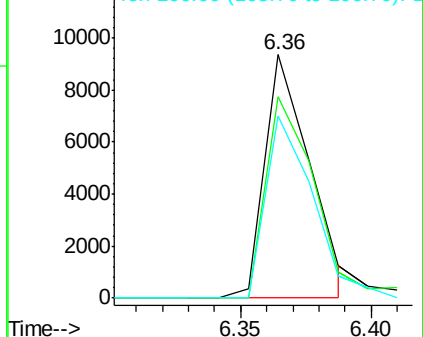
106 75.1 85.3 125.3#

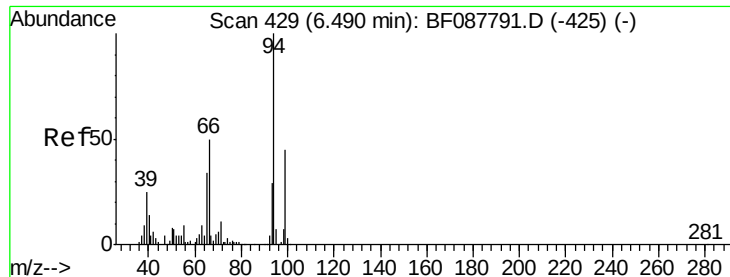


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

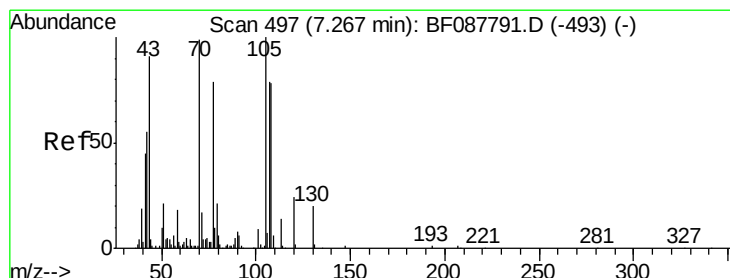
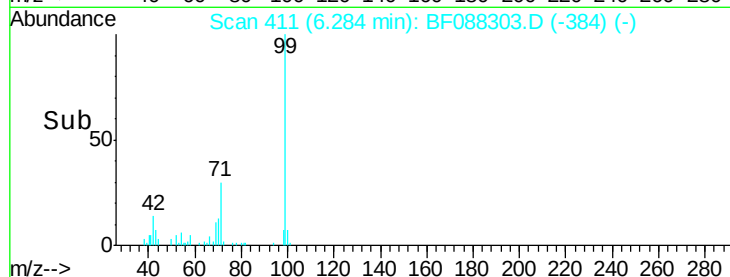
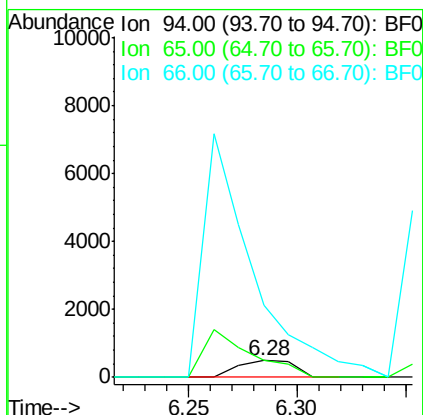
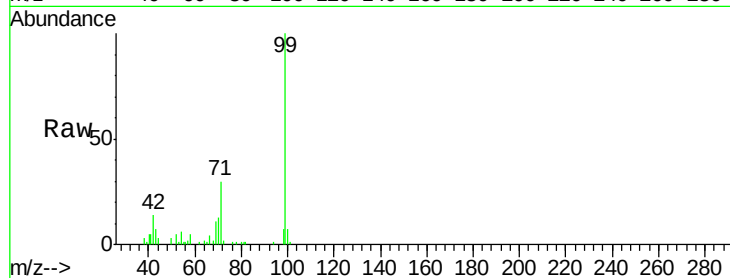
Tgt Ion: 94 Resp: 895

Ion Ratio Lower Upper

94 100

65 105.9 5.9 45.9#

66 434.8 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.07 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Tgt Ion: 70 Resp: 68413

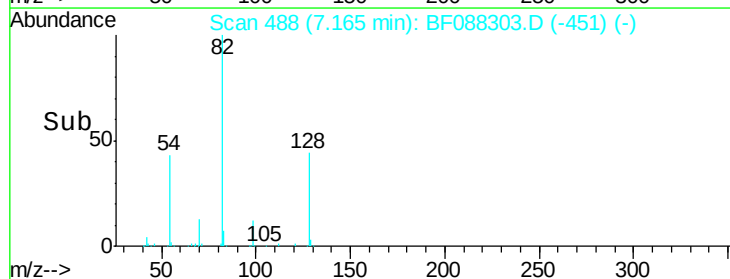
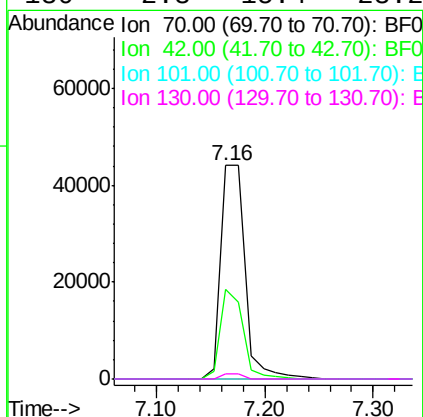
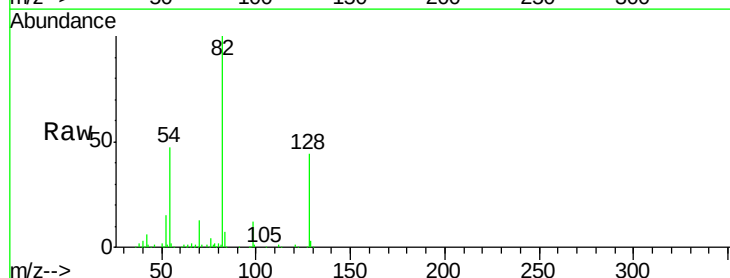
Ion Ratio Lower Upper

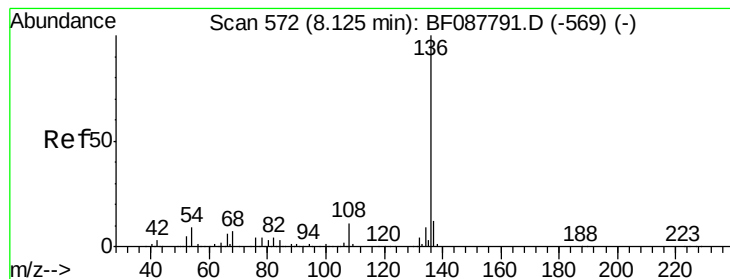
70 100

42 41.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

Tgt Ion: 136 Resp: 360727

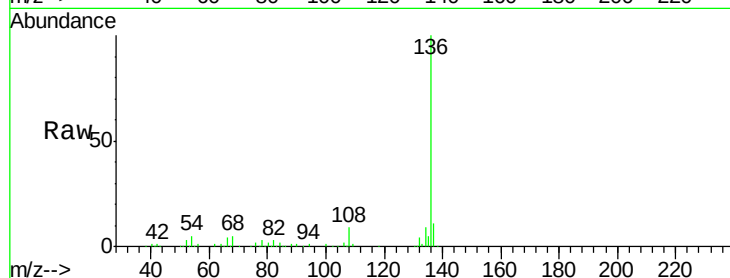
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.2 6.6 10.0#

68 4.6 5.1 7.7#

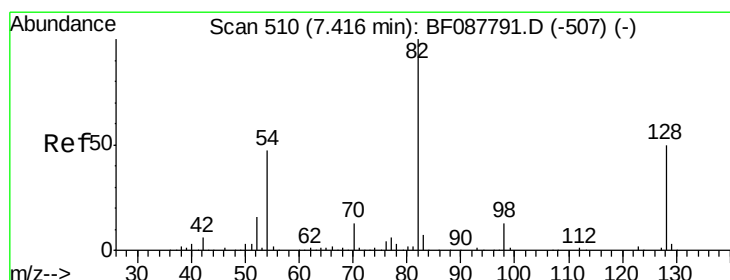
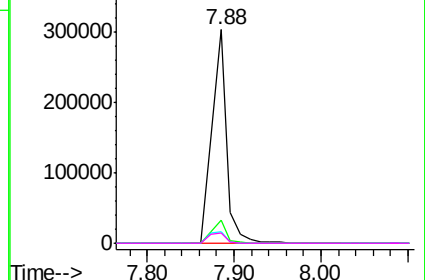
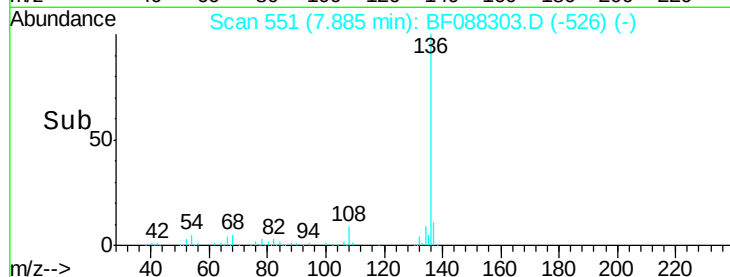


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.29 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

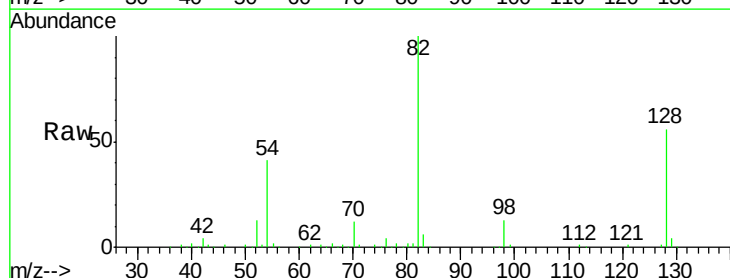
Tgt Ion: 82 Resp: 539218

Ion Ratio Lower Upper

82 100

128 56.1 35.9 53.9#

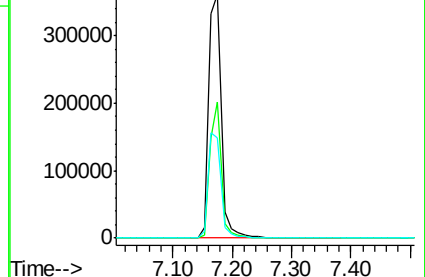
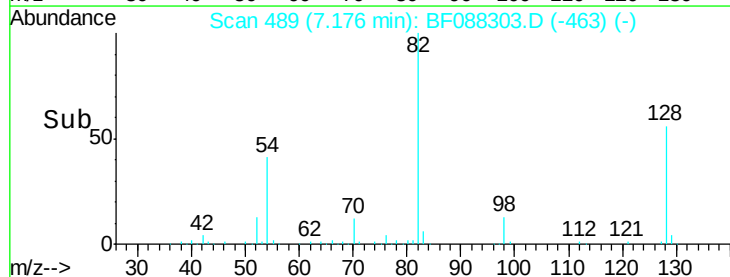
54 41.0 40.9 61.3

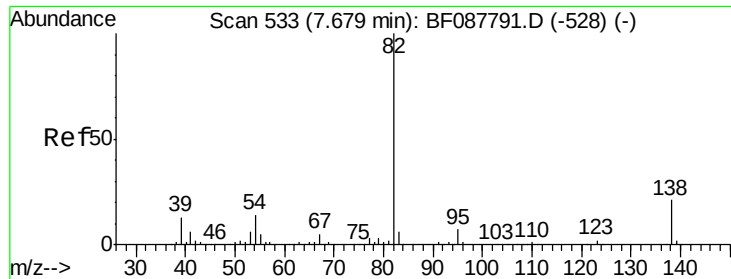


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.18 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

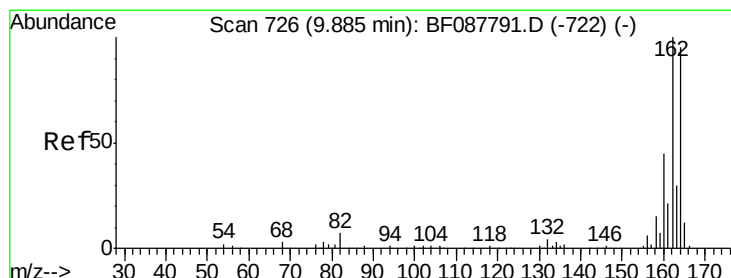
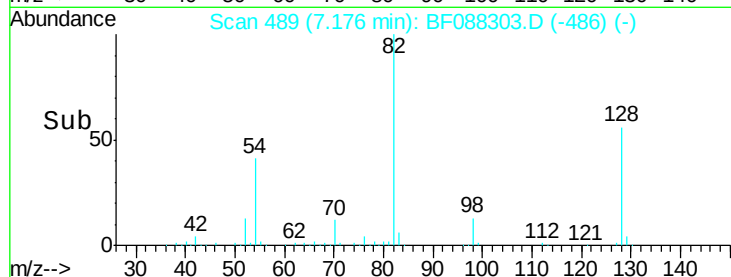
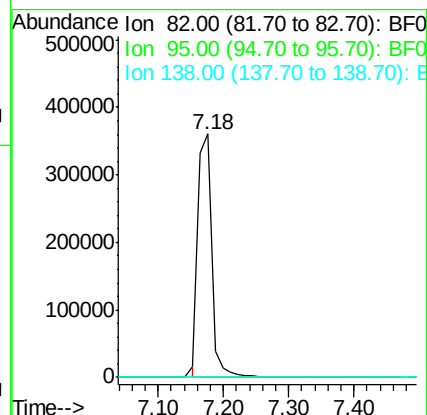
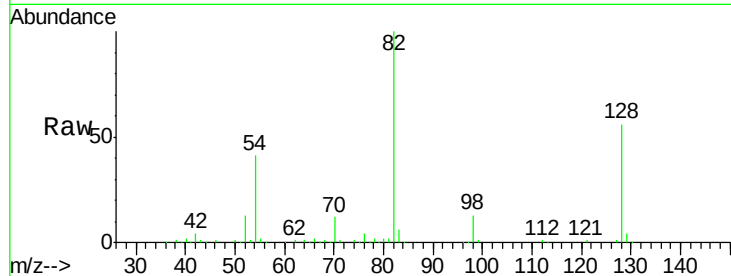
Tgt Ion: 82 Resp: 528371

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: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

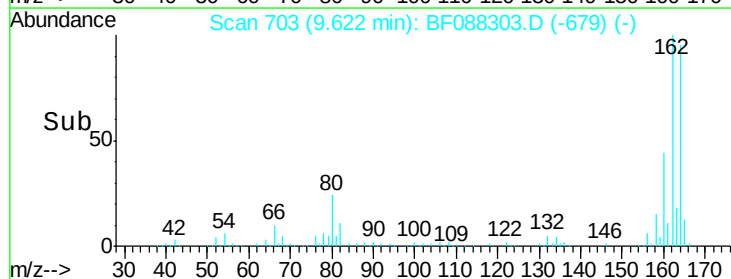
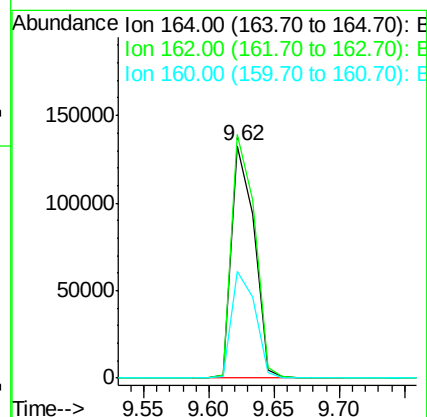
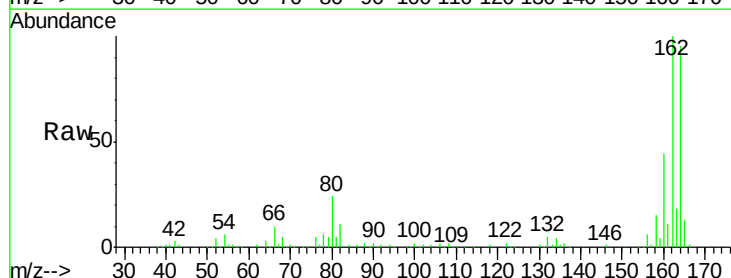
Tgt Ion: 164 Resp: 160634

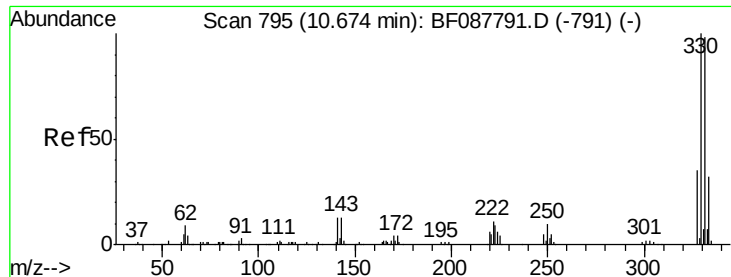
Ion Ratio Lower Upper

164 100

162 104.9 85.4 128.2

160 45.7 39.5 59.3

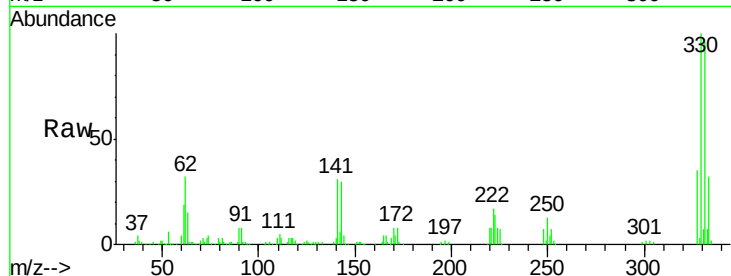




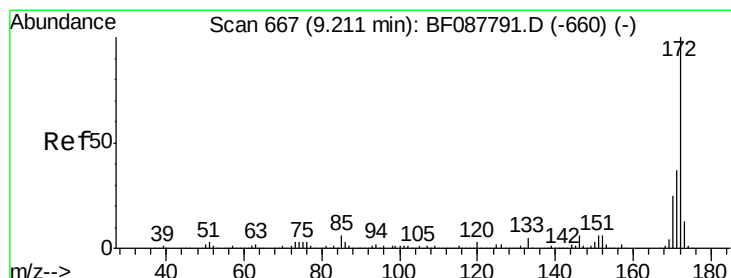
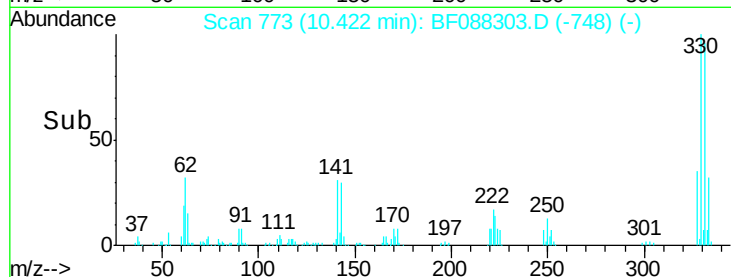
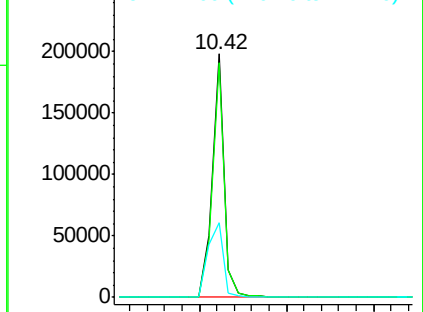
#41
 2,4,6-Tribromophenol
 Concen: 112.98 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088303.D
 Acq: 23 Jun 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW2-15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	40.0	0.0	0.0#

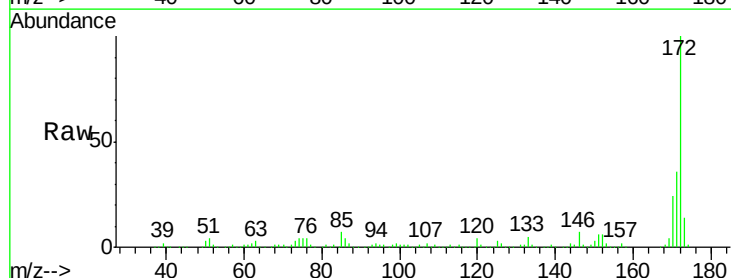


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

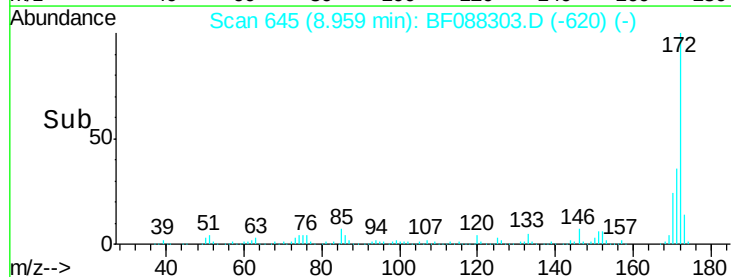
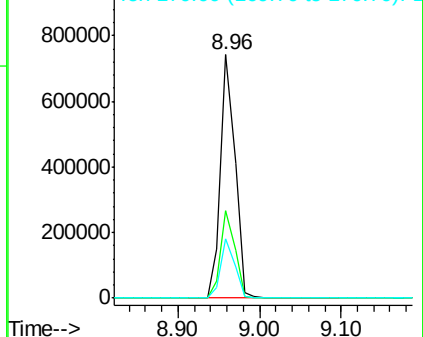


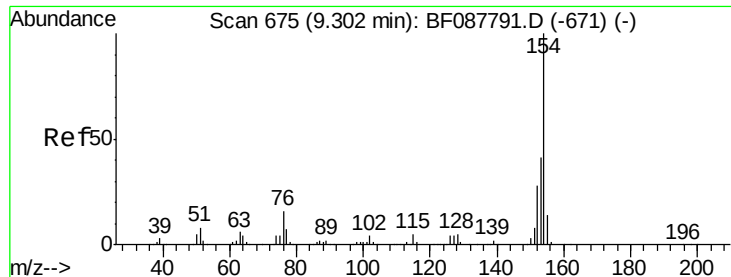
#44
 2-Fluorobiphenyl
 Concen: 89.58 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088303.D
 Acq: 23 Jun 2016 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.2	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: 8.96 min Scan# 645

Delta R.T. -0.11 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

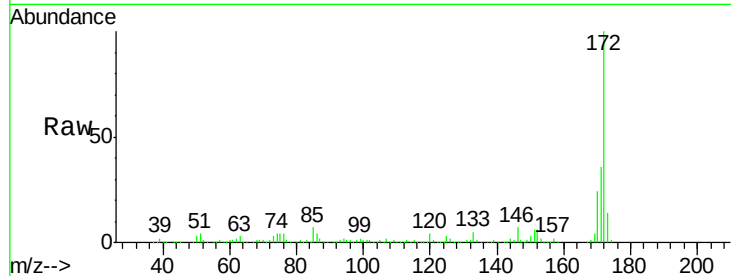
Tgt Ion:154 Resp: 1672

Ion Ratio Lower Upper

154 100

153 994.0 20.6 60.6#

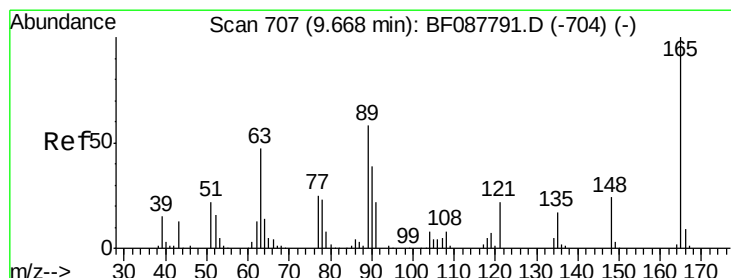
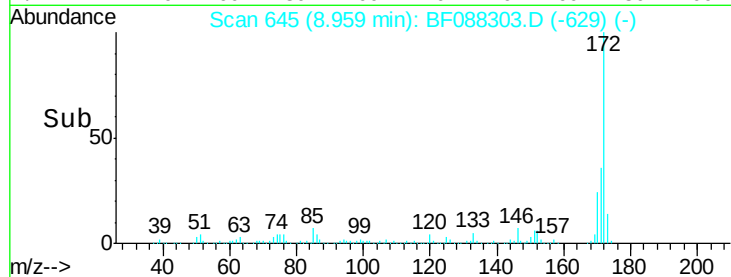
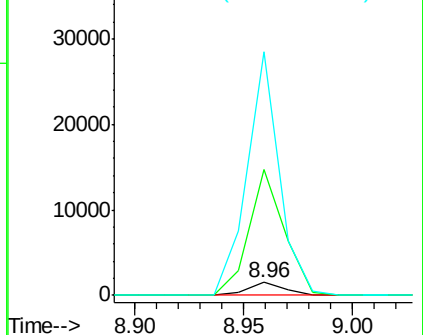
76 1928.2 0.0 35.1#



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: 7.75 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.17 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

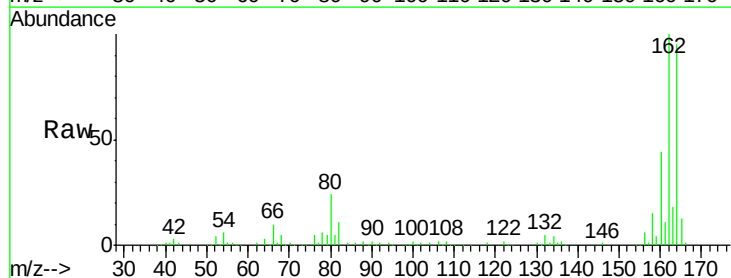
Tgt Ion:165 Resp: 20641

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

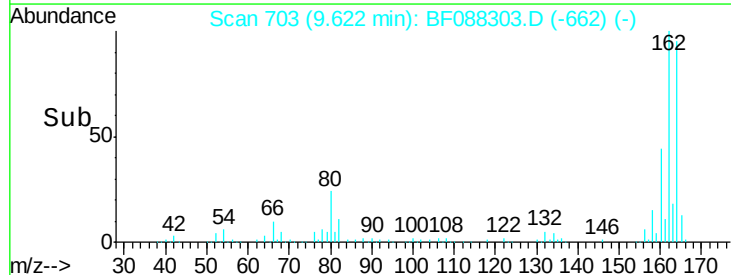
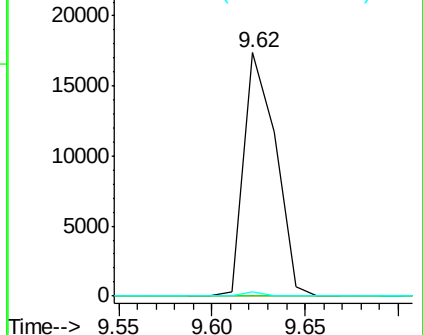
89 1.7 32.2 48.2#

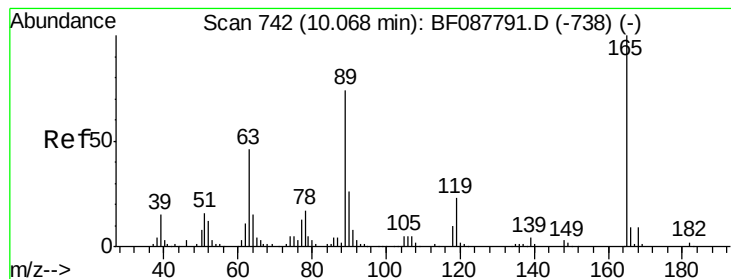


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.03 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

Tgt Ion:165 Resp: 20641

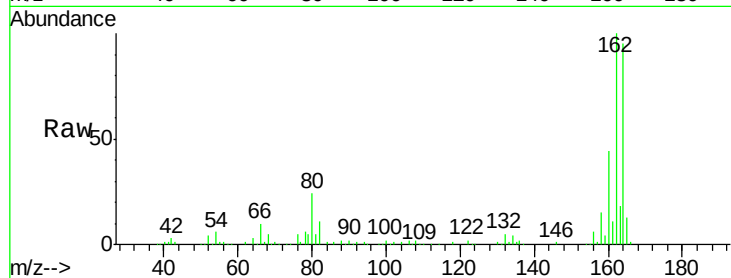
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

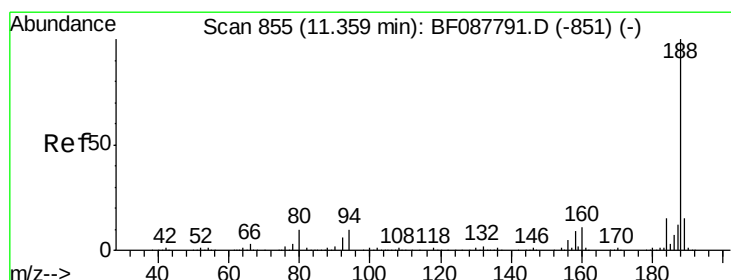
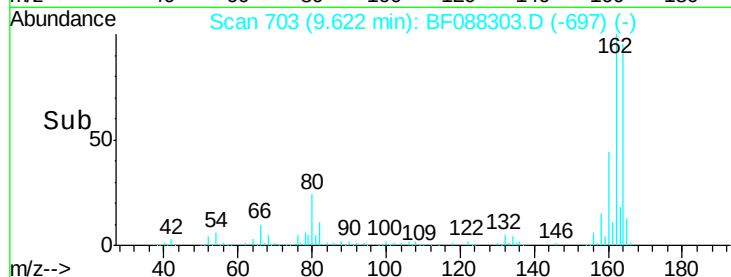
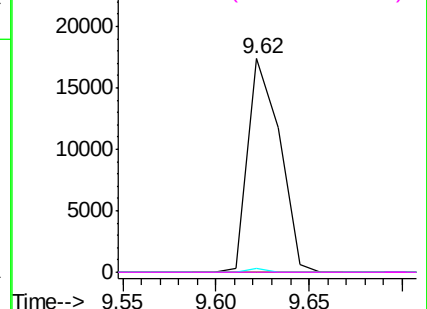


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

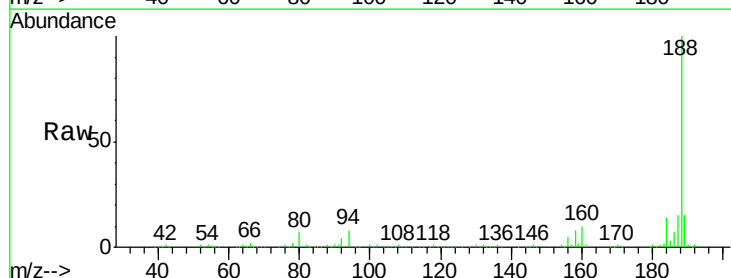
Tgt Ion:188 Resp: 286894

Ion Ratio Lower Upper

188 100

94 7.6 9.0 13.6#

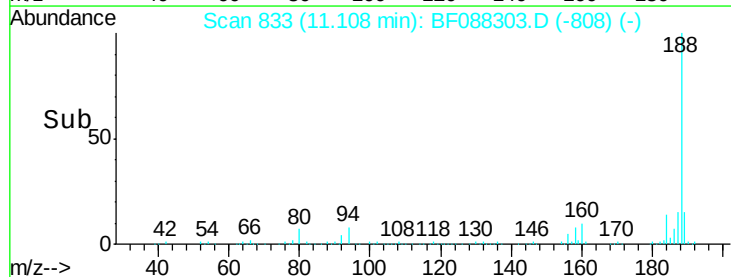
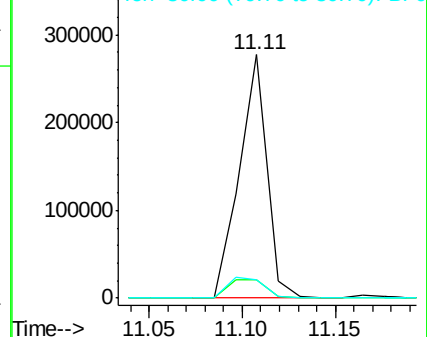
80 7.4 10.0 15.0#

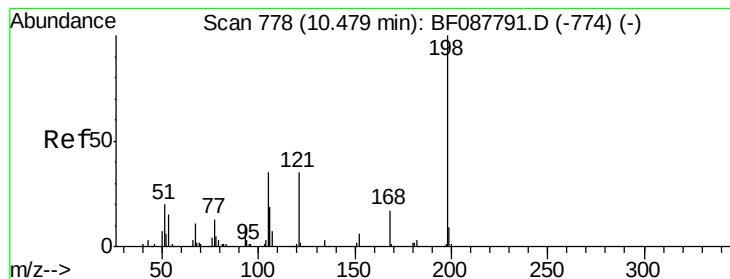


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.31 ng

RT: 10.42 min Scan# 773

Delta R.T. 0.16 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

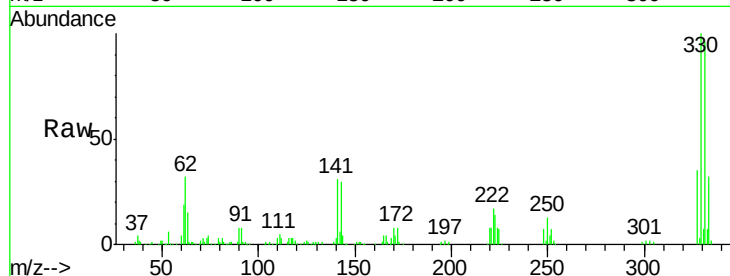
Tgt Ion:198 Resp: 270

Ion Ratio Lower Upper

198 100

51 132.2 39.6 79.6#

105 206.9 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

1000

800

600

400

200

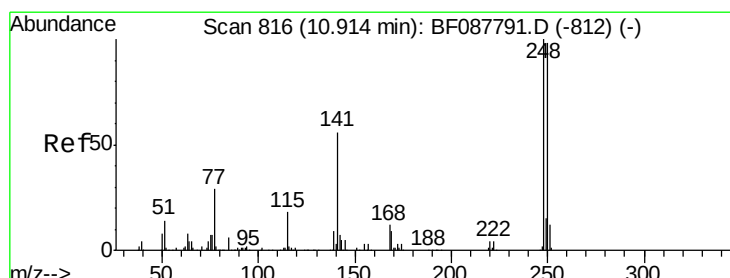
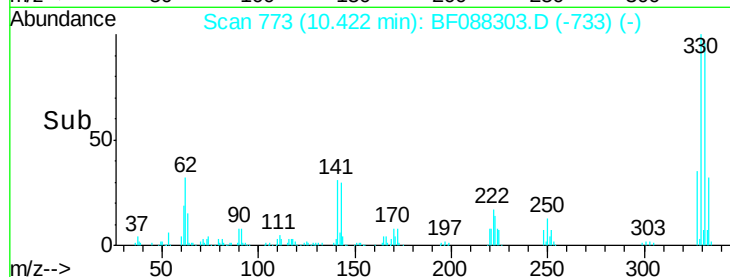
0

10.40

10.42

10.45

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.23 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

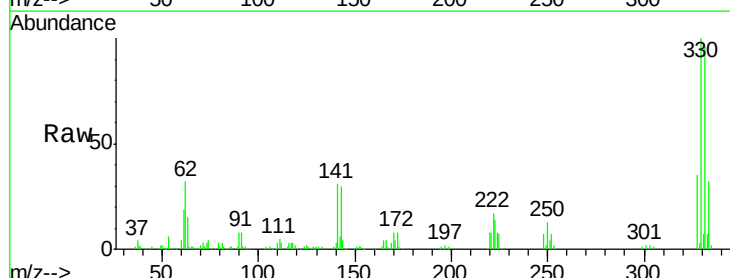
Tgt Ion:248 Resp: 13012

Ion Ratio Lower Upper

248 100

250 195.7 77.1 115.7#

141 464.9 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

80000

60000

40000

20000

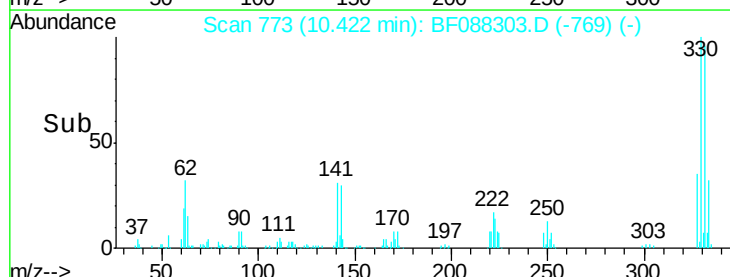
0

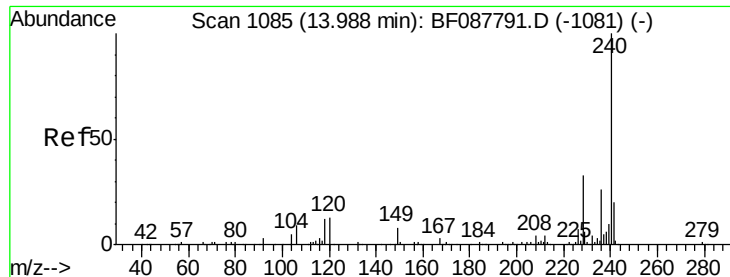
10.40

10.42

10.45

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

Instrument :

BNA_F

ClientSampleId :

TE-MW2-15

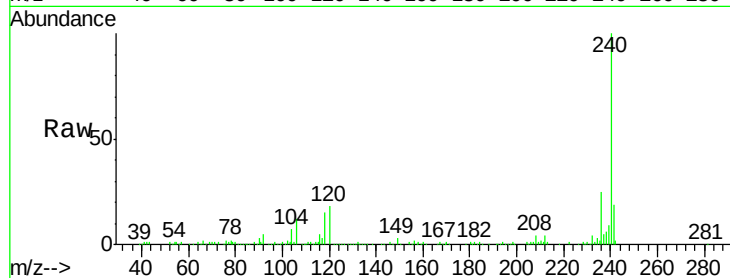
Tgt Ion:240 Resp: 185725

Ion Ratio Lower Upper

240 100

120 17.7 6.8 10.2#

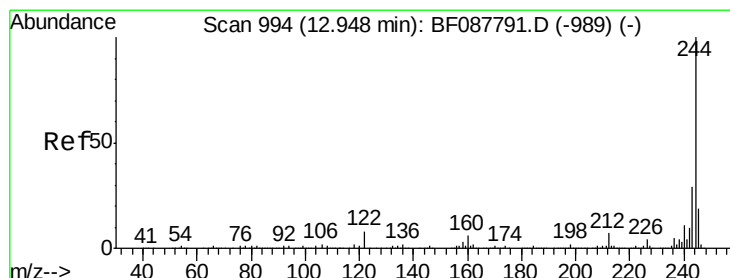
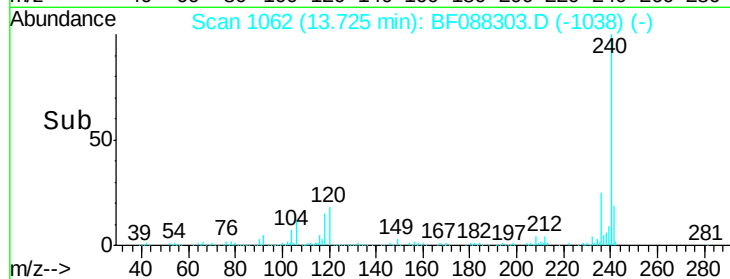
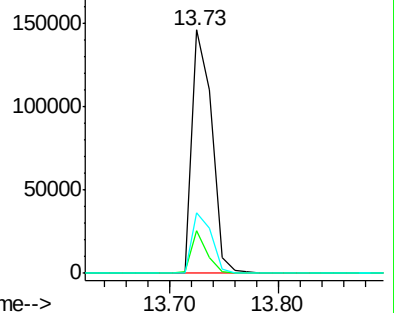
236 24.7 20.2 30.2



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: 81.42 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088303.D

Acq: 23 Jun 2016 22:12

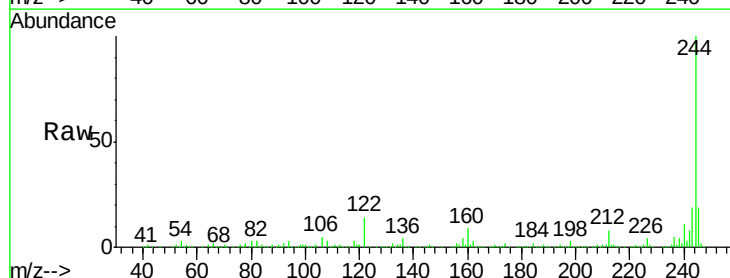
Tgt Ion:244 Resp: 664493

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

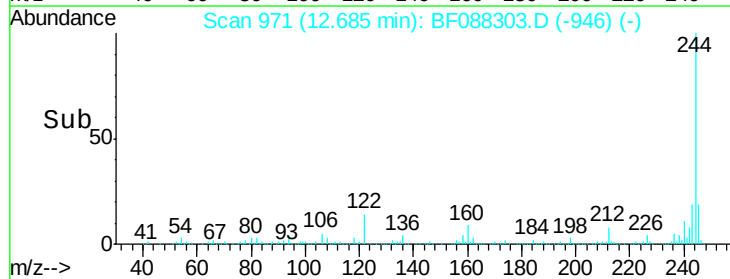
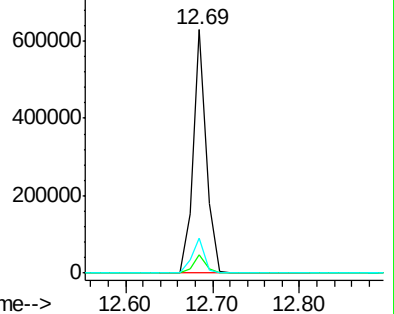
122 14.2 11.2 16.8

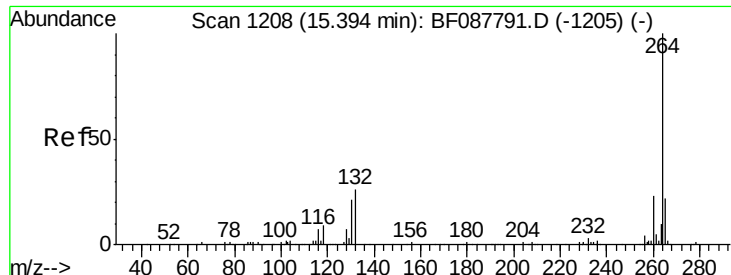


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

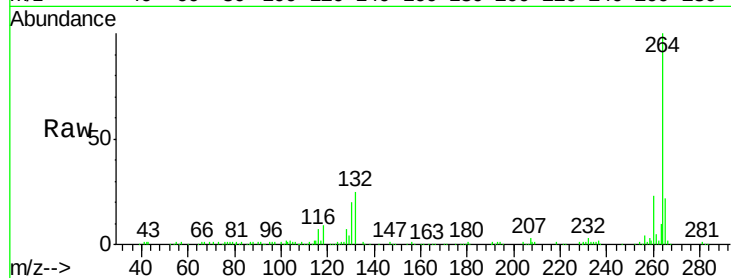




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088303.D
Acq: 23 Jun 2016 22:12

Instrument :
BNA_F
ClientSampleId :
TE-MW2-15

Tgt Ion: 264 Resp: 158729
Ion Ratio Lower Upper
264 100
260 23.1 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

