

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088352.D
 Acq On : 25 Jun 2016 1:11
 Operator : UM/SJ
 Sample : H3607-02RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P0-004

Quant Time: Jun 25 03:43:38 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

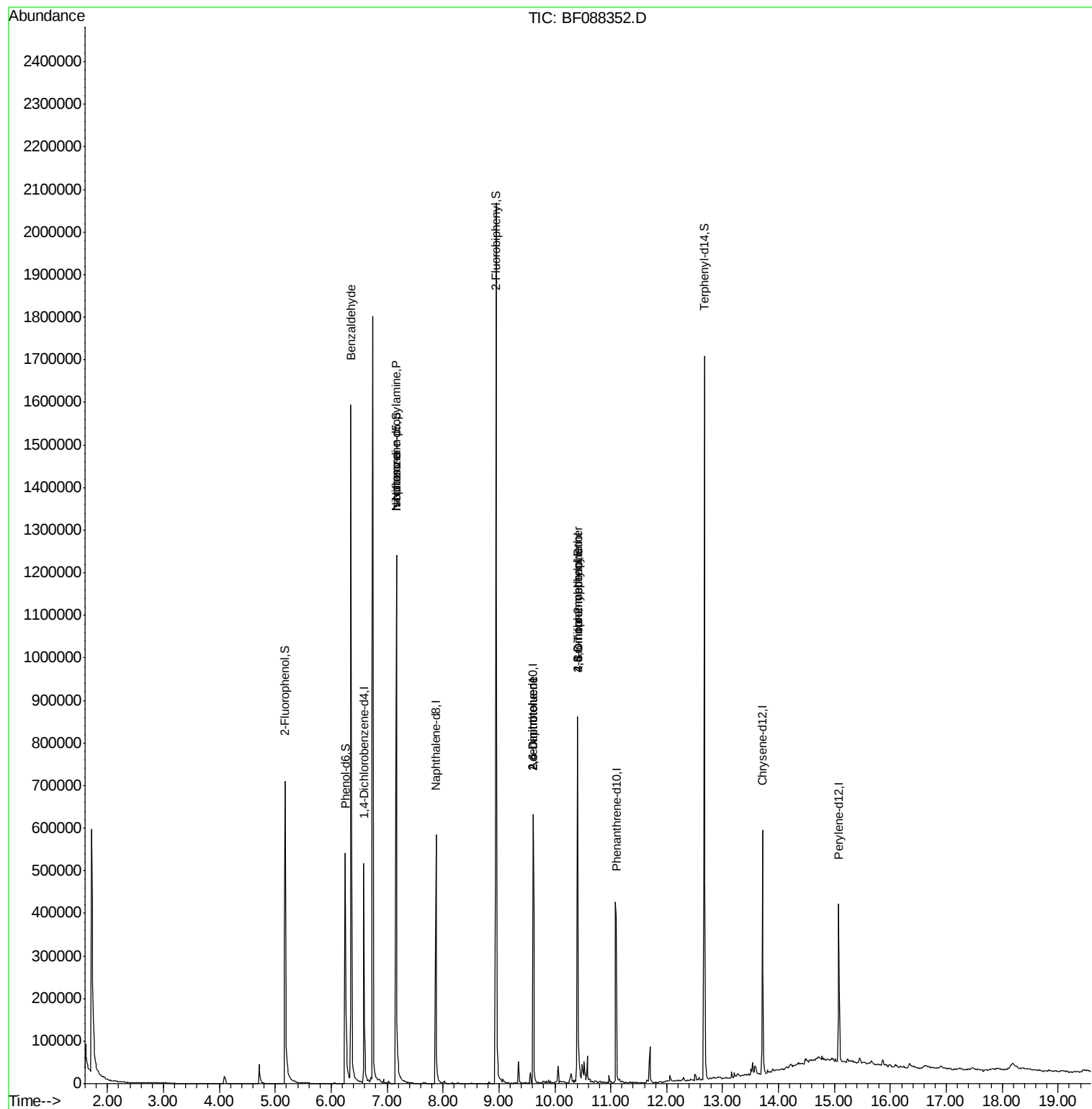
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	101703	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	385567	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	165982	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	255543	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	209812	20.00	ng	-0.03
86) Perylene-d12	15.07	264	164749	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	350023	58.84	ng	0.00
7) Phenol-d6	6.25	99	290740	40.33	ng	-0.01
23) Nitrobenzene-d5	7.16	82	590682	89.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	171548	97.88	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	972654	92.55	ng	-0.02
78) Terphenyl-d14	12.67	244	603191	65.42	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.35	77	11015	2.31	ng	# 72
10) Phenol	6.26	94	1094	Below	Cal	# 1
19) n-Nitroso-di-n-propylamine	7.16	70	75658	16.40	ng	# 68
25) Isophorone	7.16	82	587967	48.07	ng	# 65
45) 1,1'-Biphenyl	8.95	154	1946	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.61	165	20424	7.42	ng	# 39
56) 2,4-Dinitrotoluene	9.61	165	20425	5.77	ng	# 37
57) Fluorene	10.16	166	590	Below	Cal	# 70
64) 4,6-Dinitro-2-methylphenol	10.41	198	206	2.29	ng	# 21
66) 4-Bromophenyl-phenylether	10.41	248	10668	3.89	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: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

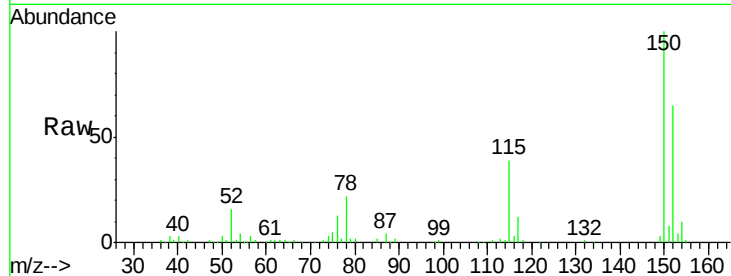
Tgt Ion:152 Resp: 101703

Ion Ratio Lower Upper

152 100

150 154.2 123.8 185.6

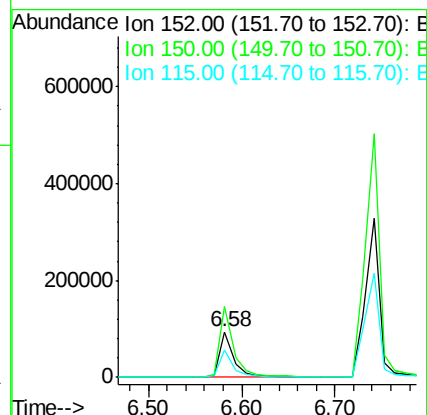
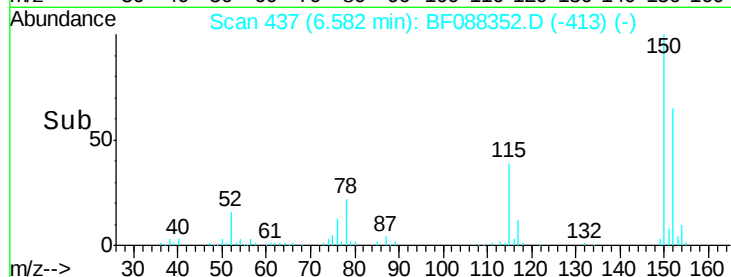
115 59.7 39.6 59.4#



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: 58.84 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

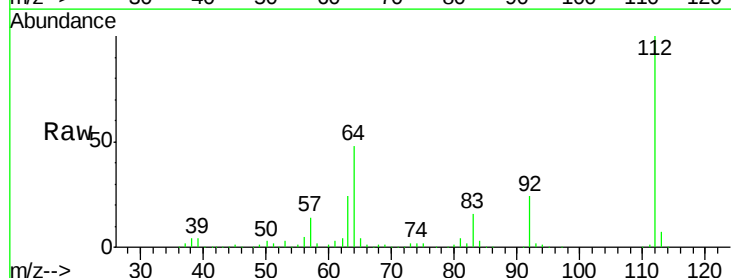
Tgt Ion:112 Resp: 350023

Ion Ratio Lower Upper

112 100

64 48.1 42.2 63.2

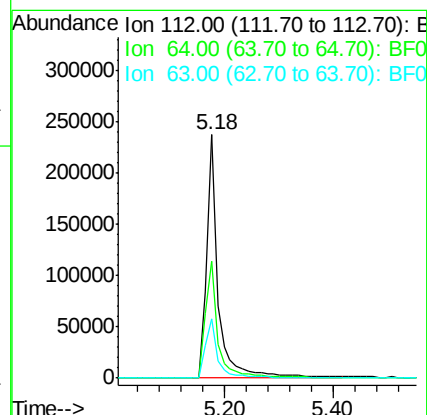
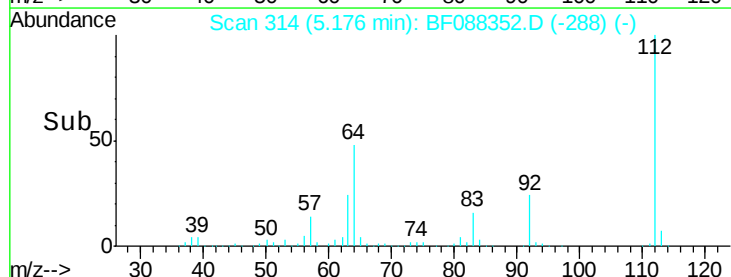
63 24.4 21.8 32.8



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: 40.33 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

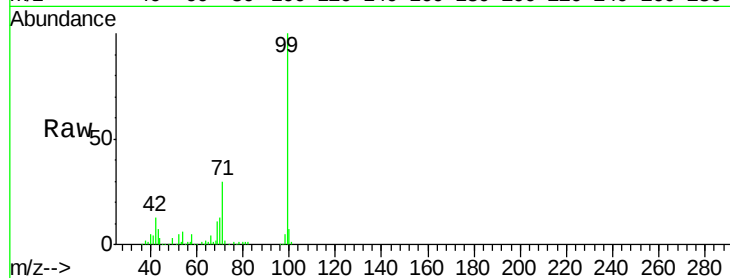
Tgt Ion: 99 Resp: 290740

Ion Ratio Lower Upper

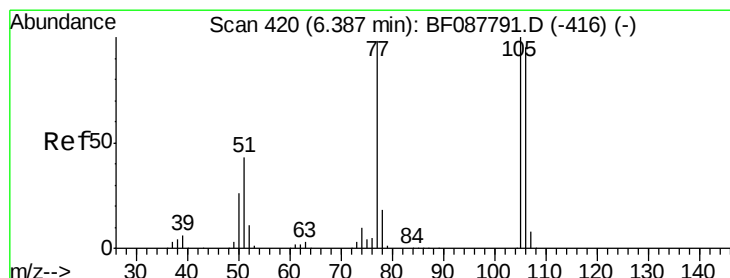
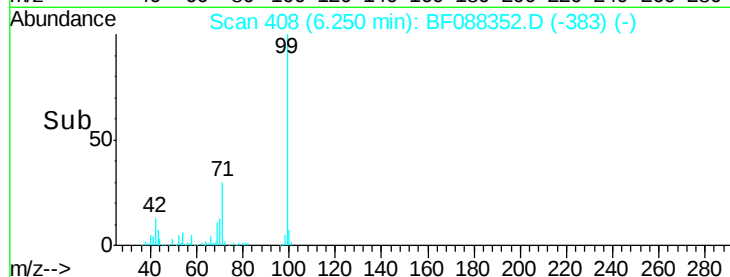
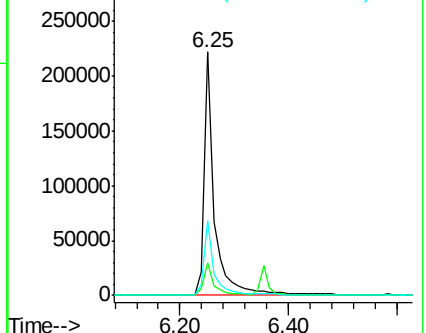
99 100

42 13.2 12.2 18.2

71 30.5 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: 2.31 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

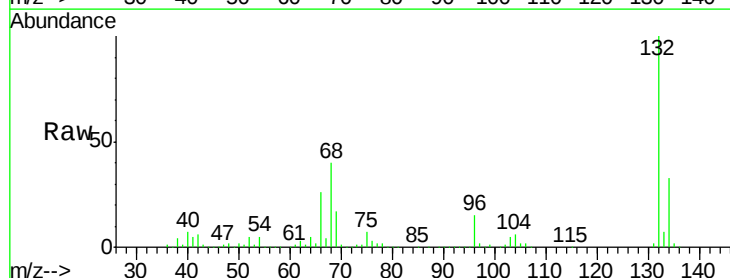
Tgt Ion: 77 Resp: 11015

Ion Ratio Lower Upper

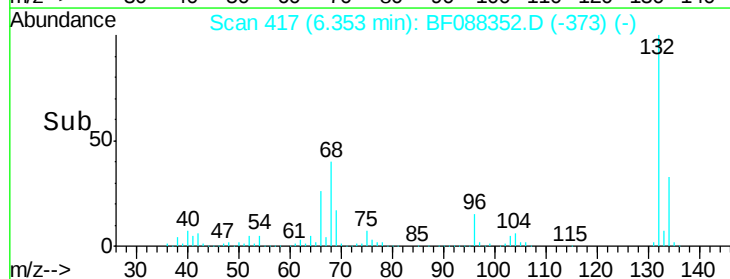
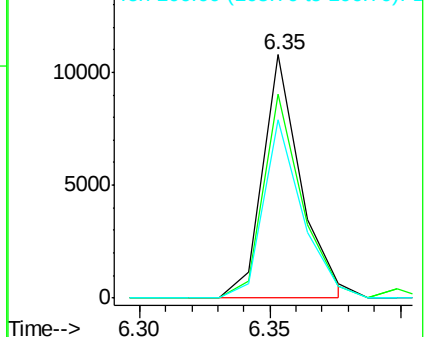
77 100

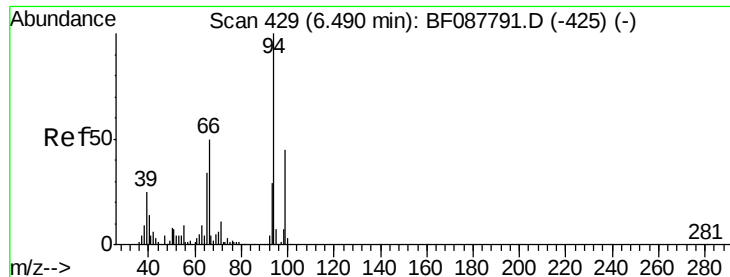
105 83.6 90.6 130.6#

106 73.3 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: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

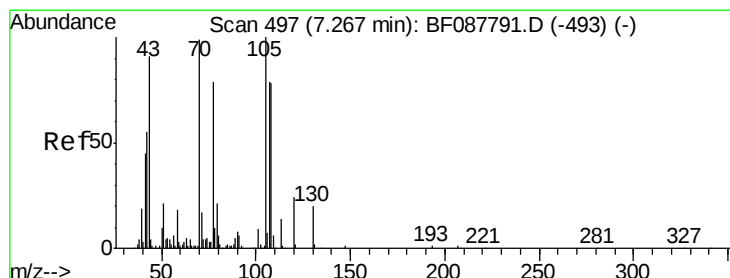
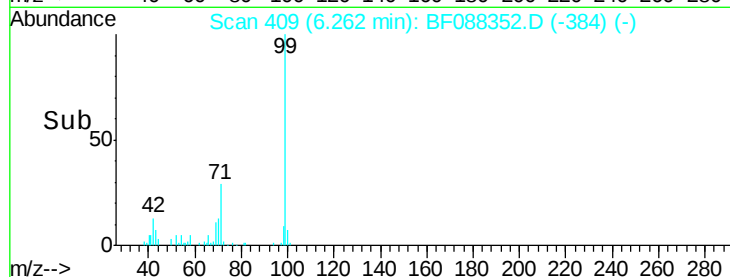
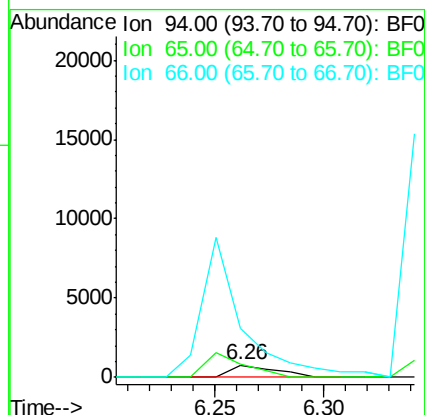
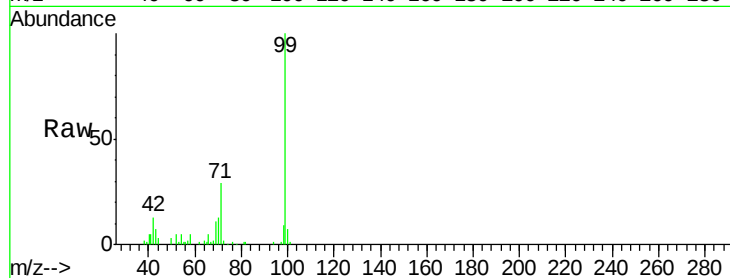
Tgt Ion: 94 Resp: 1094

Ion Ratio Lower Upper

94 100

65 111.3 5.9 45.9#

66 417.3 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.40 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.13 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Tgt Ion: 70 Resp: 75658

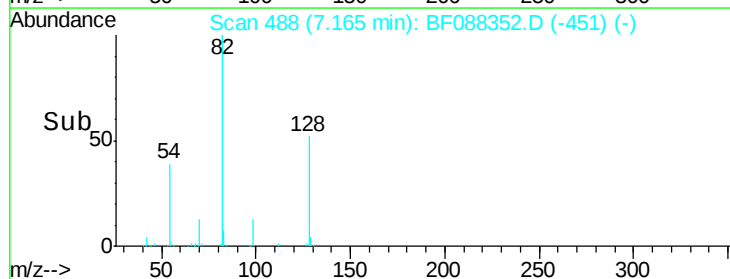
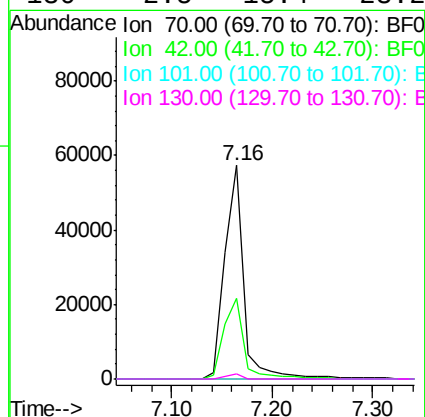
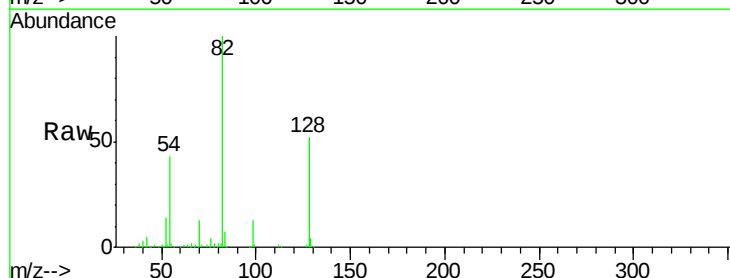
Ion Ratio Lower Upper

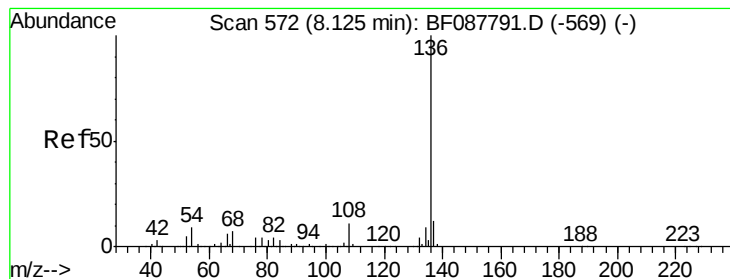
70 100

42 37.9 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: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

Tgt Ion: 136 Resp: 385567

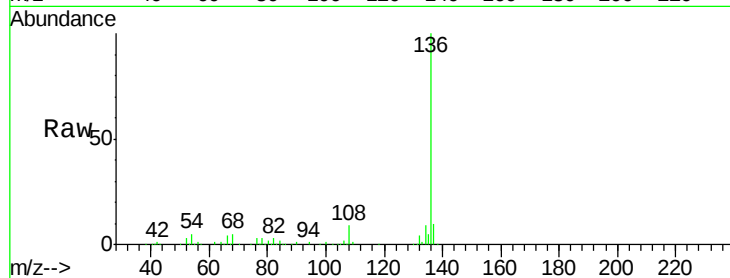
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.1 6.6 10.0#

68 4.5 5.1 7.7#

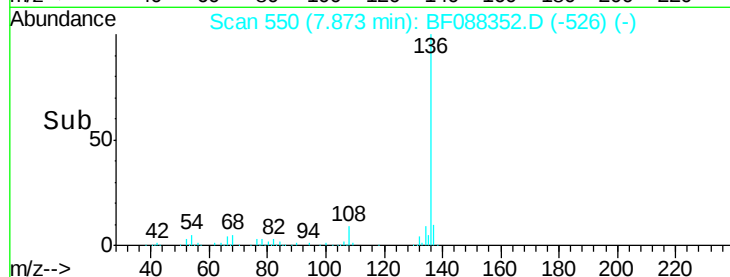


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

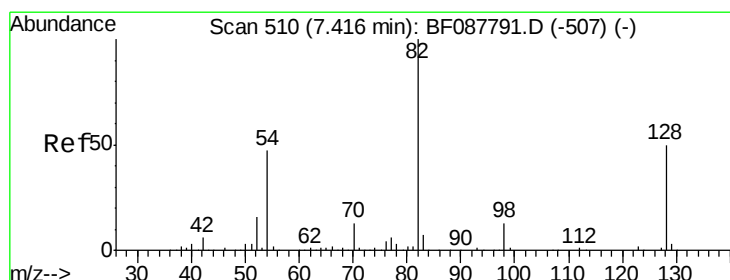
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

7.87



#23

Nitrobenzene-d5

Concen: 89.46 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

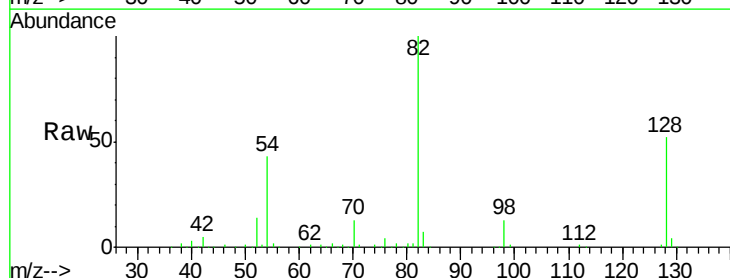
Tgt Ion: 82 Resp: 590682

Ion Ratio Lower Upper

82 100

128 51.6 35.9 53.9

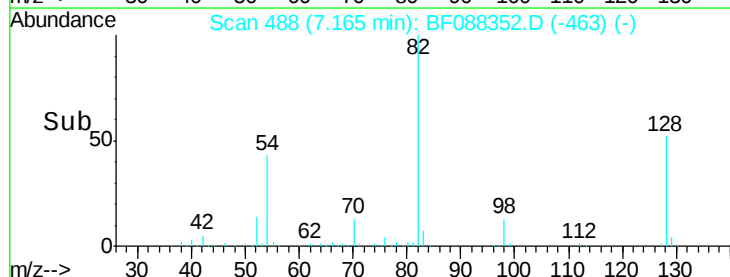
54 42.9 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

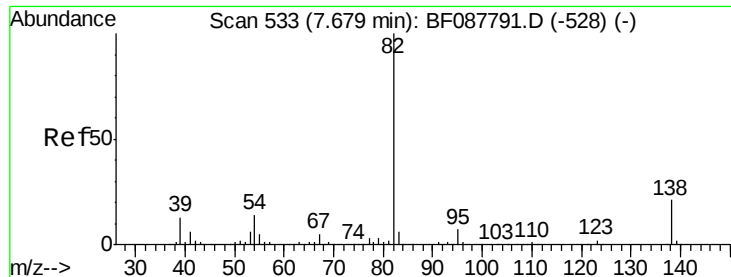
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.16



#25

Isophorone

Concen: 48.07 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

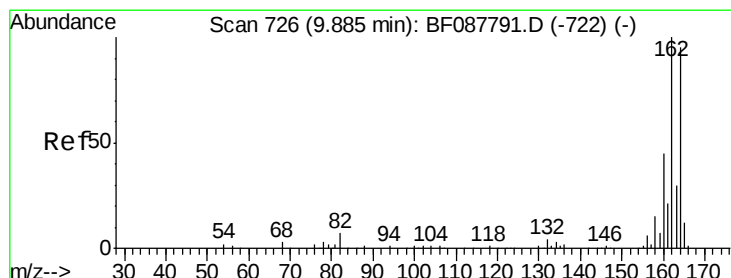
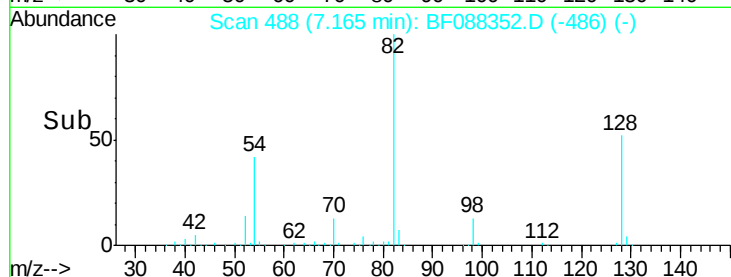
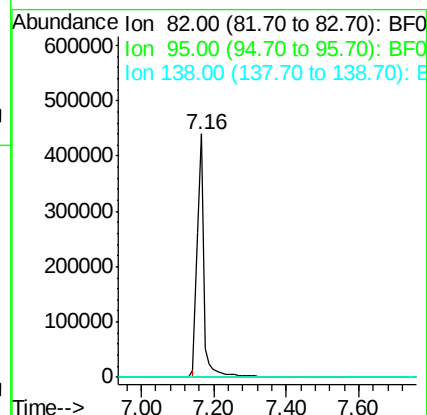
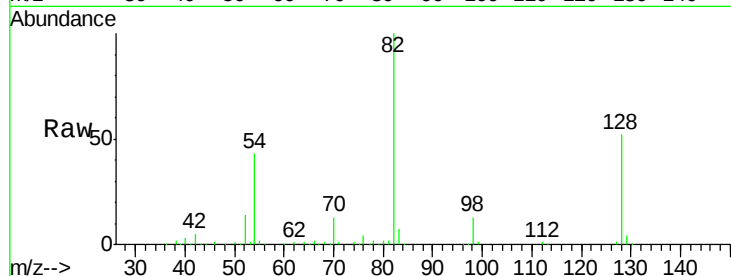
Tgt Ion: 82 Resp: 587967

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: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

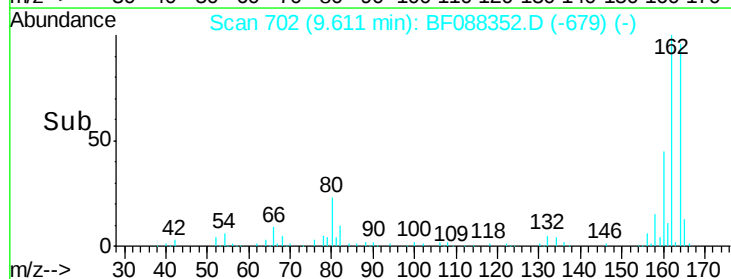
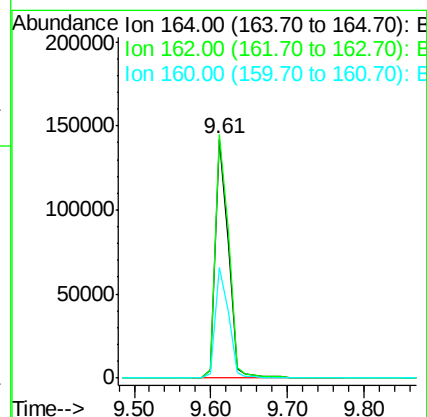
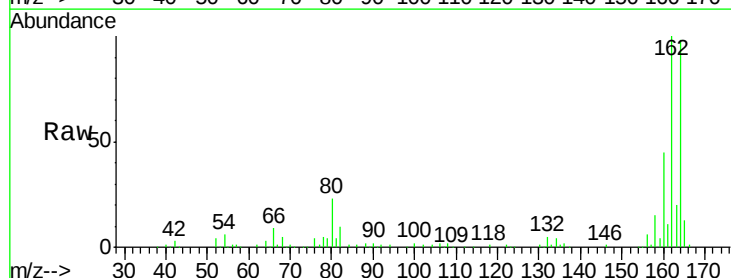
Tgt Ion: 164 Resp: 165982

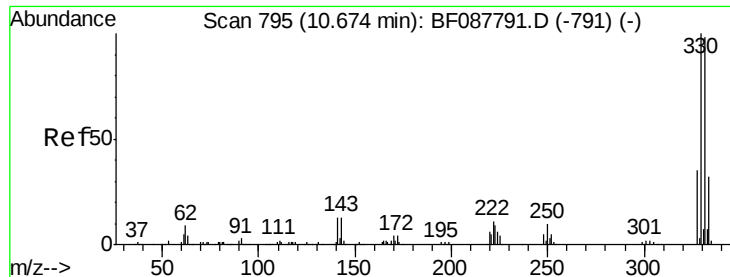
Ion Ratio Lower Upper

164 100

162 102.0 85.4 128.2

160 46.1 39.5 59.3

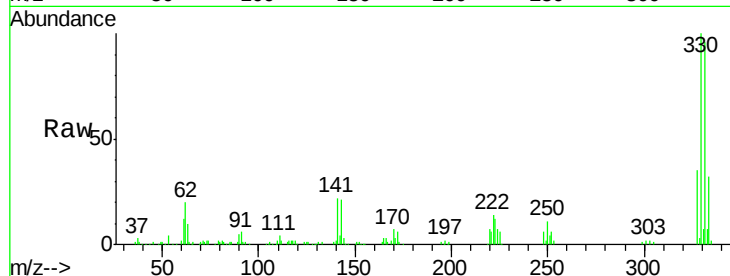




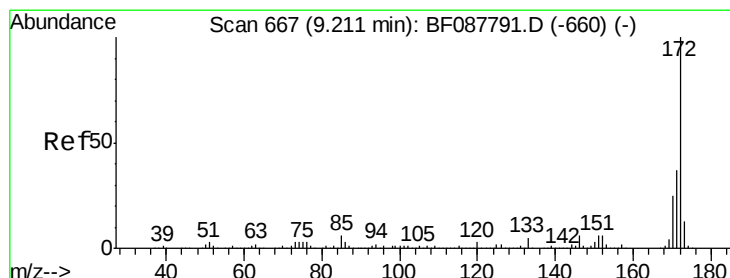
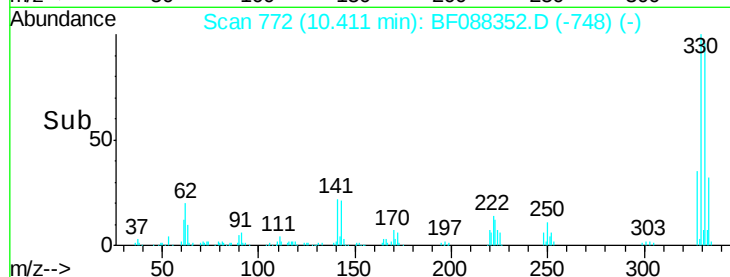
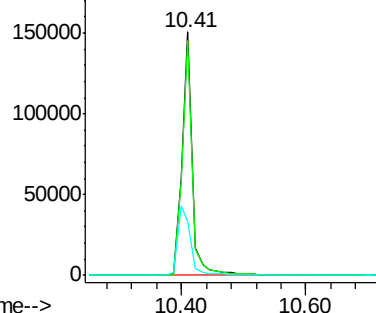
#41
 2,4,6-Tribromophenol
 Concen: 97.88 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 P0-004

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	35.7	0.0	0.0#

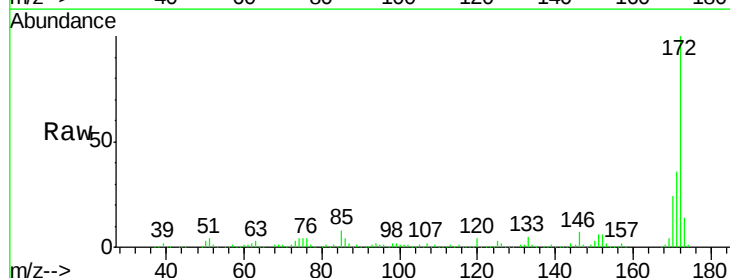


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

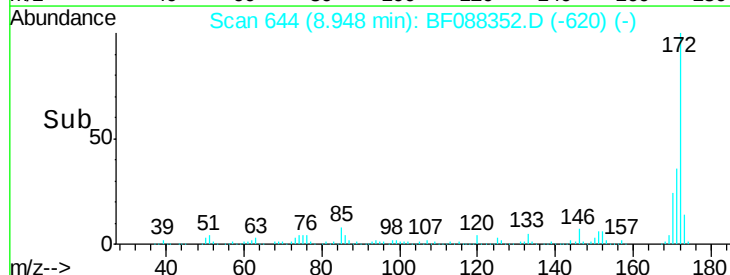
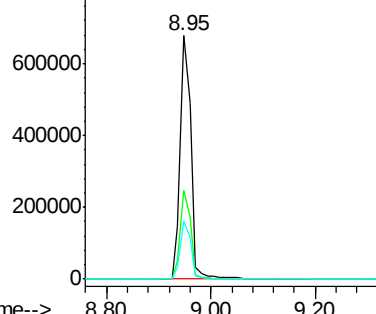


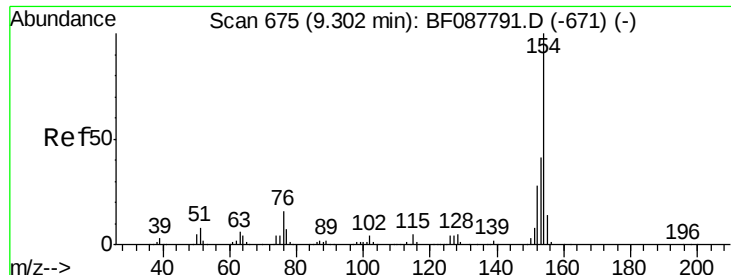
#44
 2-Fluorobiphenyl
 Concen: 92.55 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.95 min Scan# 644

Delta R.T. -0.13 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

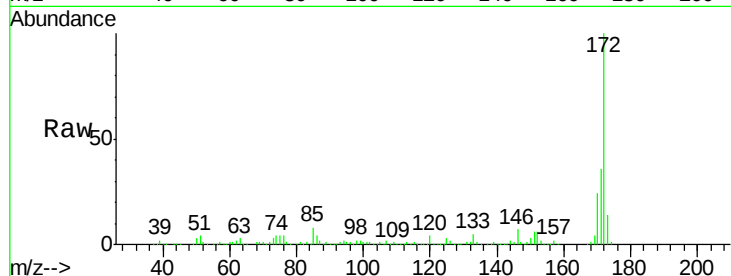
Tgt Ion:154 Resp: 1946

Ion Ratio Lower Upper

154 100

153 787.4 20.6 60.6#

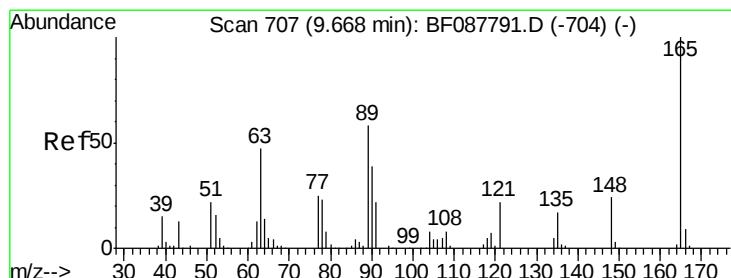
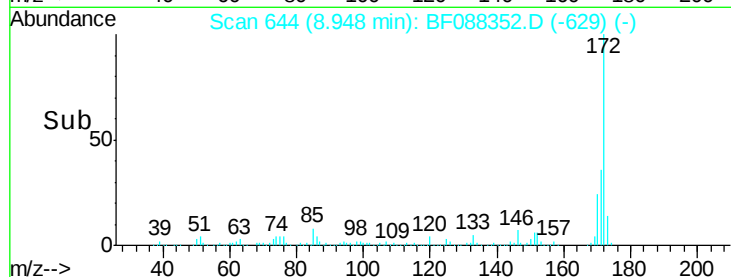
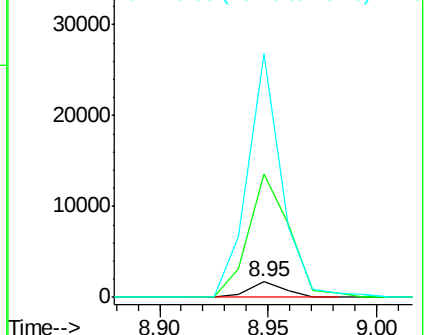
76 1561.8 0.0 35.1#



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: 7.42 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.16 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

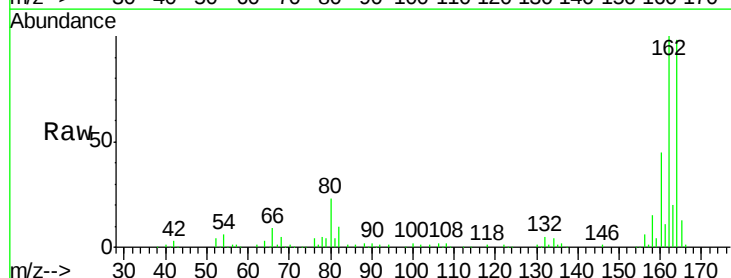
Tgt Ion:165 Resp: 20424

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

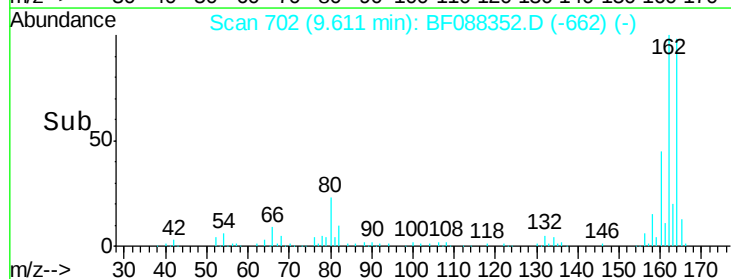
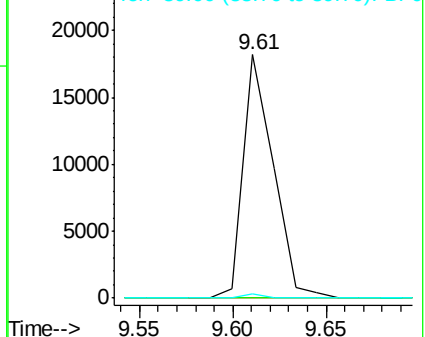
89 1.7 32.2 48.2#

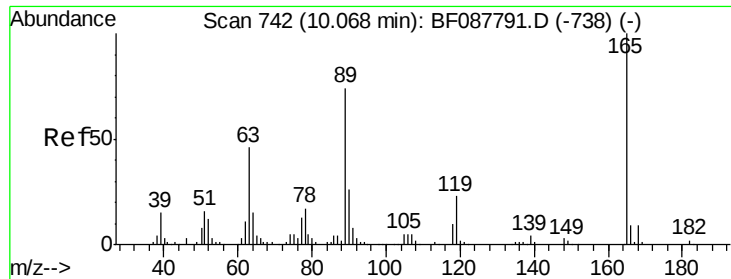


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.77 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P0-004

Tgt Ion:165 Resp: 20425

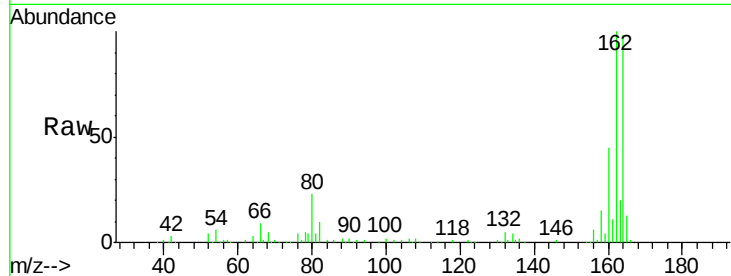
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

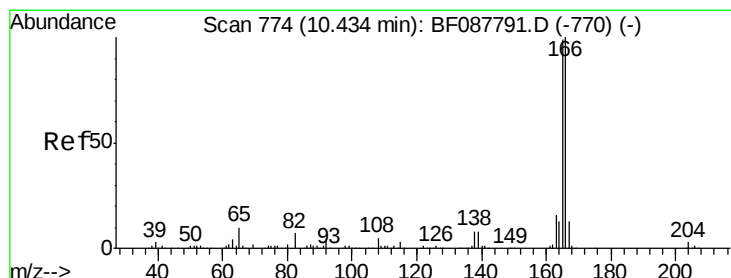
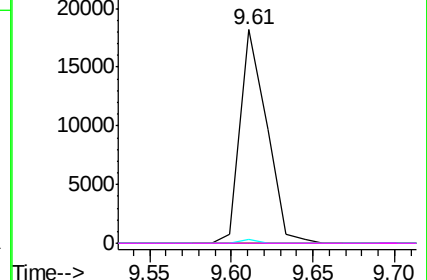
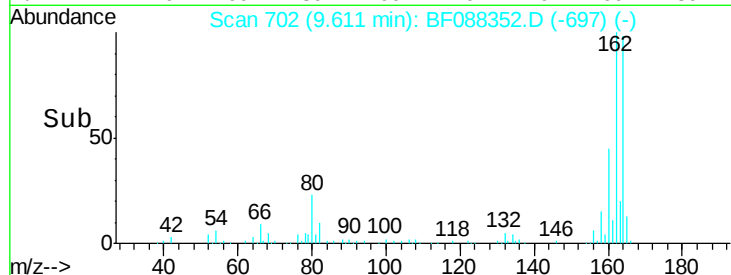


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088352.D

Acq: 25 Jun 2016 1:11

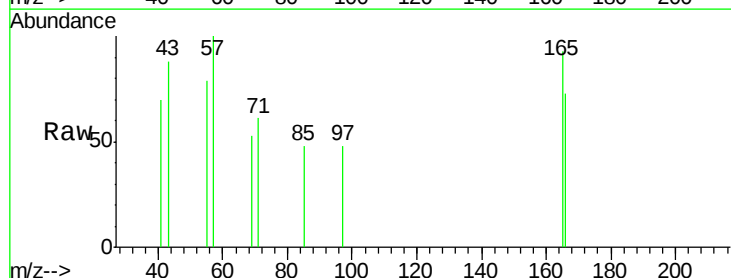
Tgt Ion:166 Resp: 590

Ion Ratio Lower Upper

166 100

165 126.5 77.8 116.8#

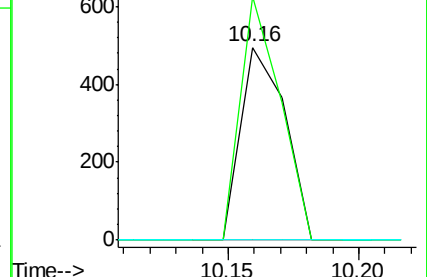
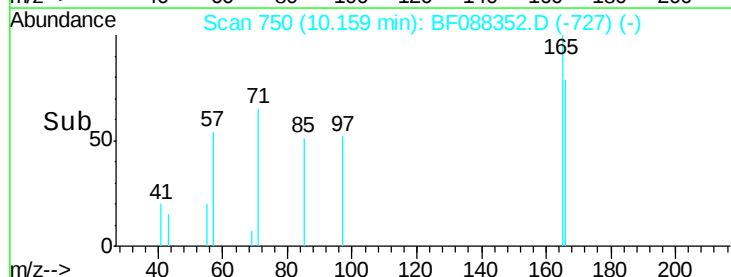
167 0.0 11.2 16.8#

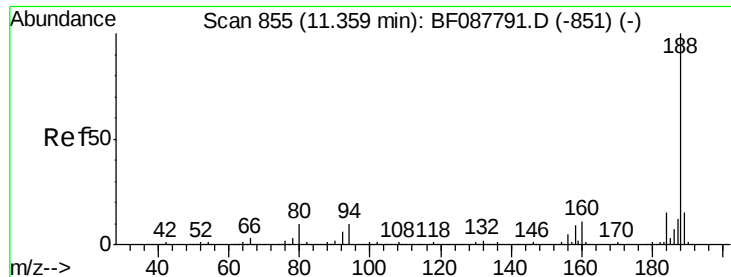


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

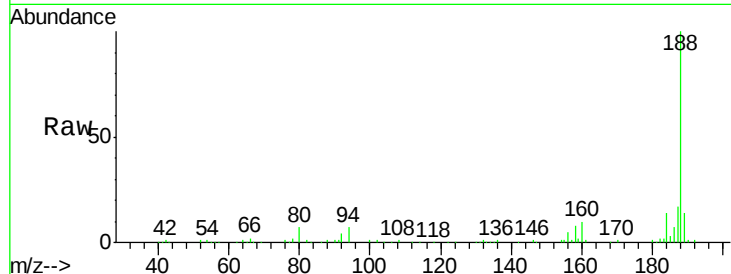




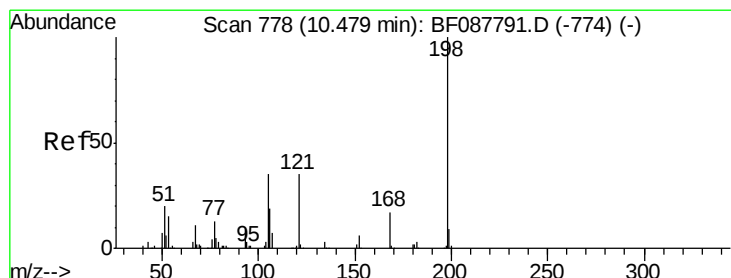
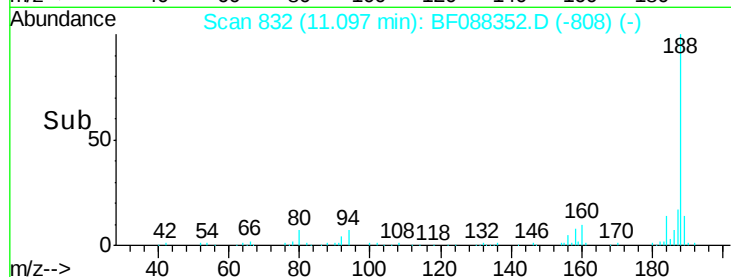
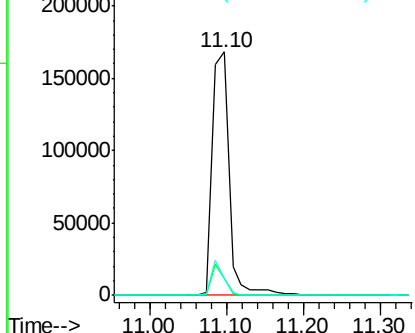
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 P0-004

Tgt Ion:188 Resp: 255543
 Ion Ratio Lower Upper
 188 100
 94 7.1 9.0 13.6#
 80 7.0 10.0 15.0#

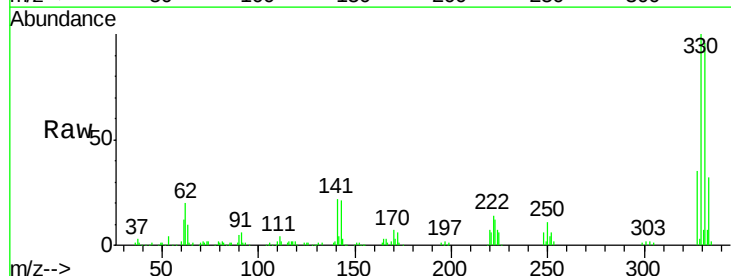


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

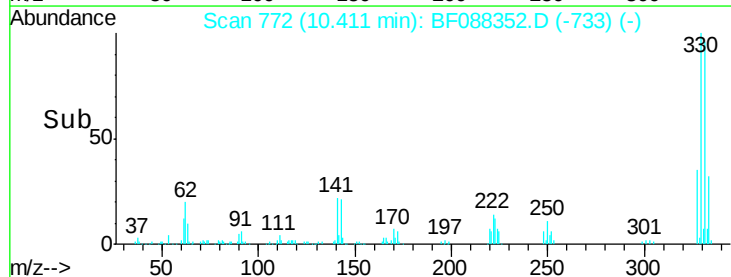
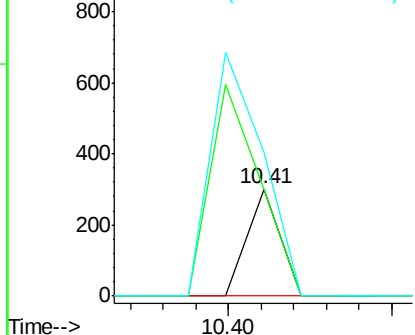


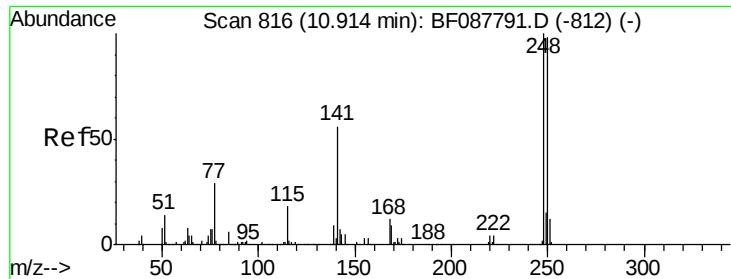
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.29 ng
 RT: 10.41 min Scan# 772
 Delta R.T. 0.15 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Tgt Ion:198 Resp: 206
 Ion Ratio Lower Upper
 198 100
 51 100.0 39.6 79.6#
 105 134.3 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

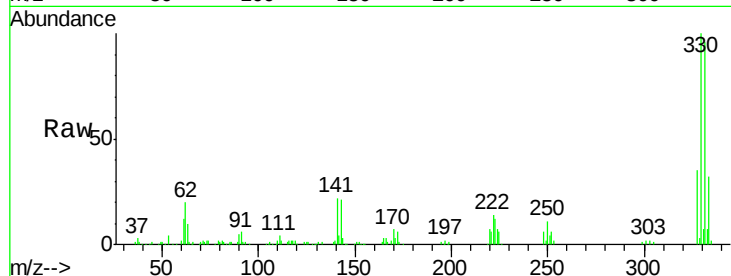




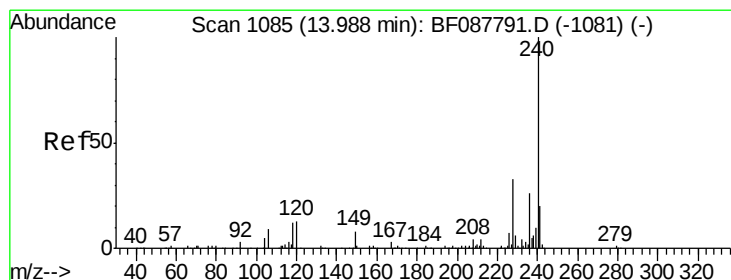
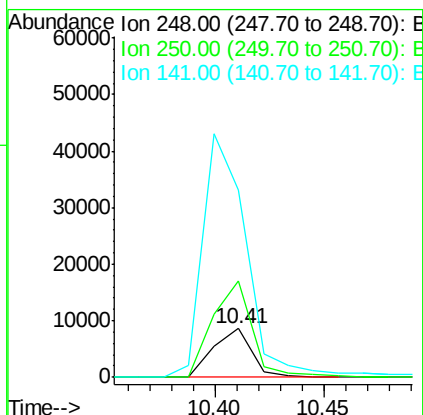
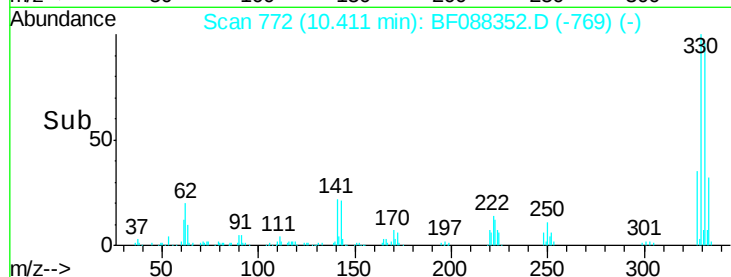
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.26 min
Lab File: BF088352.D
Acq: 25 Jun 2016 1:11

Instrument :
BNA_F
ClientSampleId :
P0-004

Tgt Ion:248 Resp: 10668
Ion Ratio Lower Upper
248 100
250 197.6 77.1 115.7#
141 384.0 50.6 76.0#

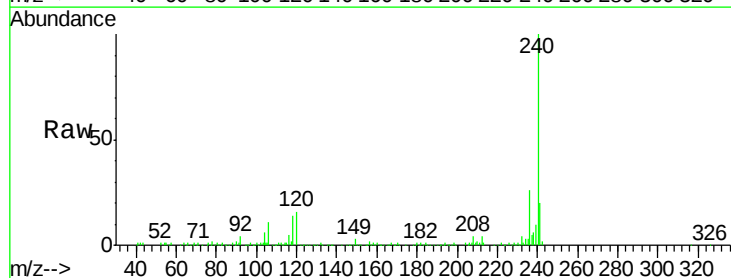


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

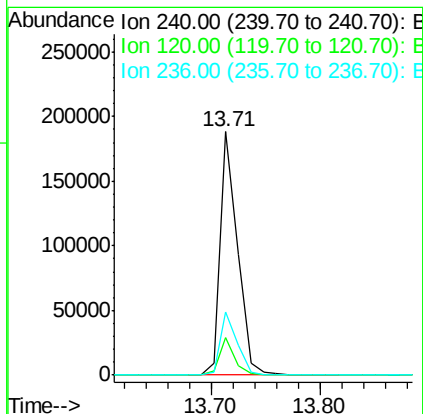
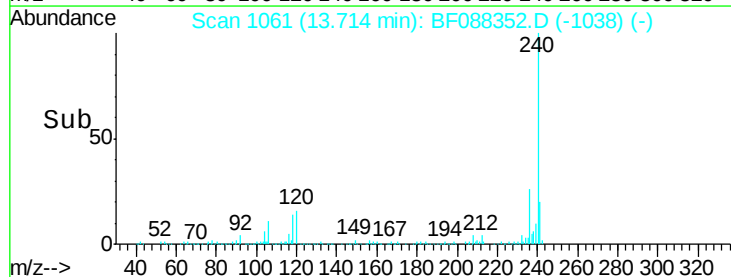


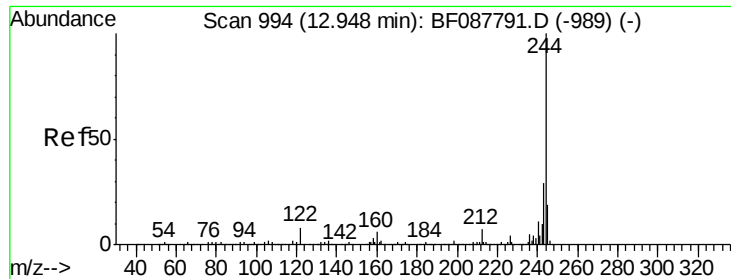
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BF088352.D
Acq: 25 Jun 2016 1:11

Tgt Ion:240 Resp: 209812
Ion Ratio Lower Upper
240 100
120 15.6 6.8 10.2#
236 25.7 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

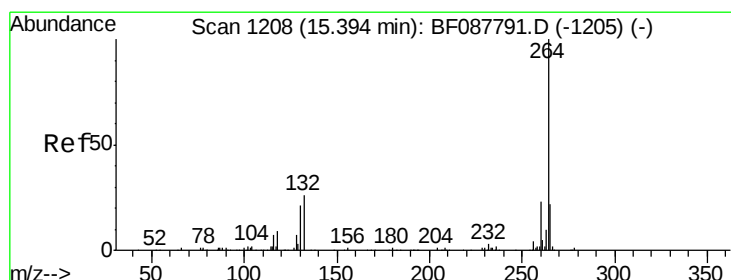
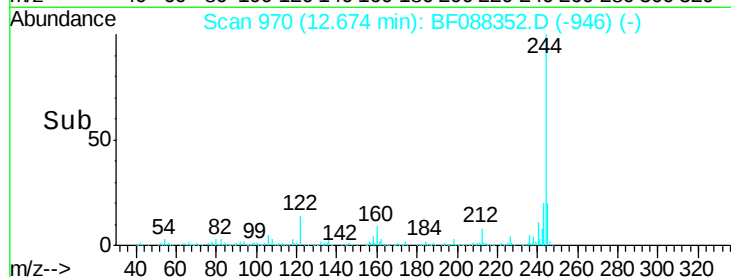
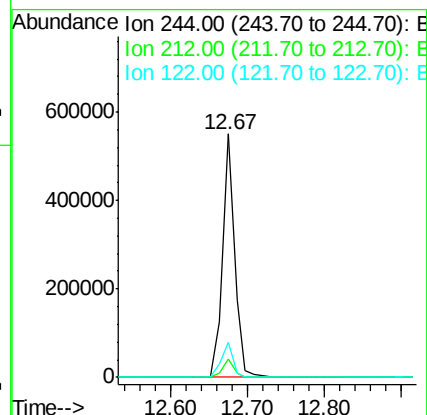
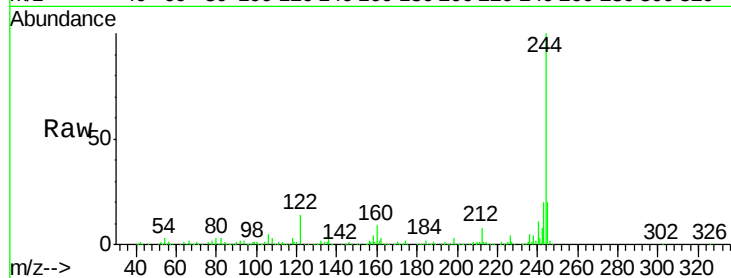




#78
 Terphenyl-d14
 Concen: 65.42 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Instrument :
 BNA_F
 ClientSampleId :
 P0-004

Tgt Ion:244 Resp: 603191
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 14.2 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.03 min
 Lab File: BF088352.D
 Acq: 25 Jun 2016 1:11

Tgt Ion:264 Resp: 164749
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.3 16.9 25.3

