

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088024.D
 Acq On : 15 Jun 2016 3:50
 Operator : UM/SJ
 Sample : H3425-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

Quant Time: Jun 15 05:31:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

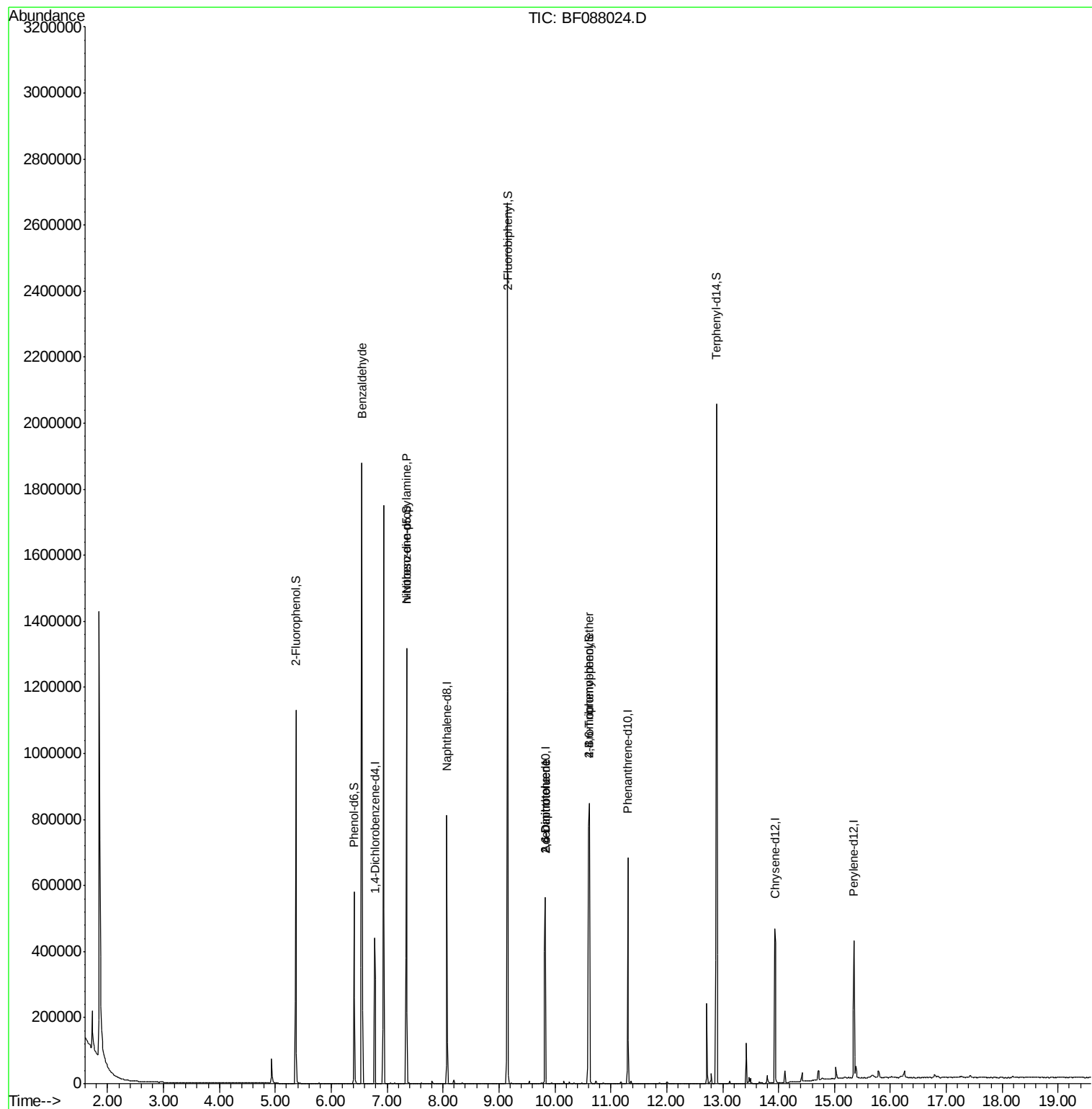
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	93078	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	353374	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	147128	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	240514	20.00	ng	0.00
75) Chrysene-d12	13.94	240	228221	20.00	ng	0.00
86) Perylene-d12	15.35	264	178334	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	315658	57.98	ng	0.00
7) Phenol-d6	6.41	99	227198	34.43	ng	-0.01
23) Nitrobenzene-d5	7.35	82	463879	76.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	159931	102.95	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	928227	100.09	ng	0.00
78) Terphenyl-d14	12.89	244	643041	64.12	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.55	77	11230	2.50	ng	# 69
10) Phenol	6.43	94	1673	Below	Cal	# 87
19) n-Nitroso-di-n-propylamine	7.35	70	60508	14.33	ng	# 72
45) 1,1'-Biphenyl	9.24	154	233	Below	Cal	# 43
50) 2,6-Dinitrotoluene	9.83	165	18849	7.72	ng	# 37
56) 2,4-Dinitrotoluene	9.83	165	18849	6.01	ng	# 36
57) Fluorene	10.60	166	7727	Below	Cal	# 84
66) 4-Bromophenyl-phenylether	10.62	248	9934	3.85	ng	# 1

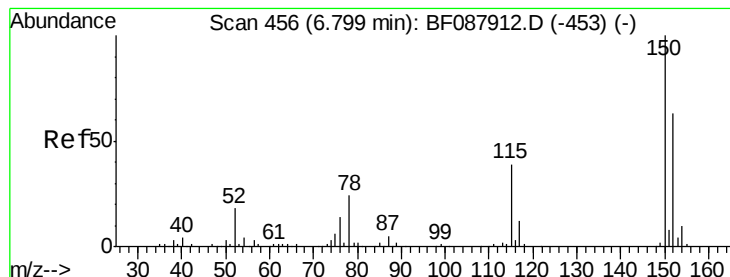
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

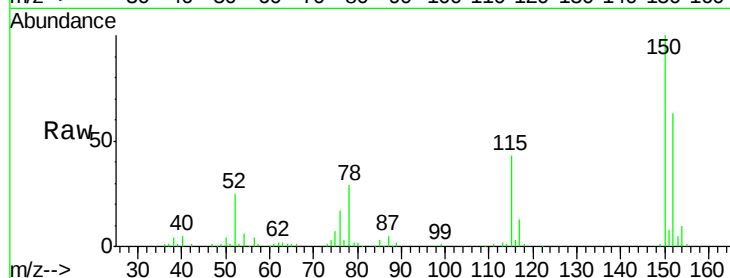
Tgt Ion:152 Resp: 93078

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

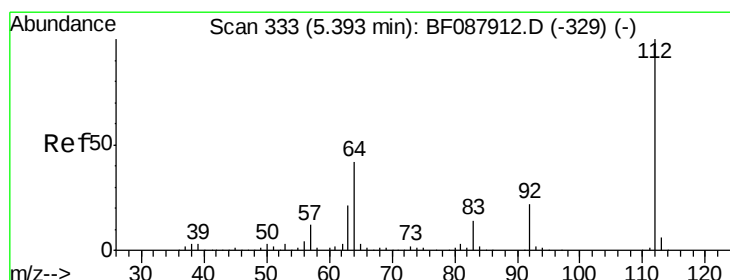
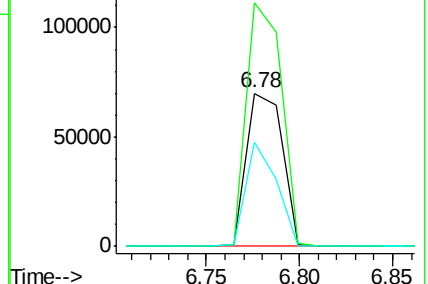
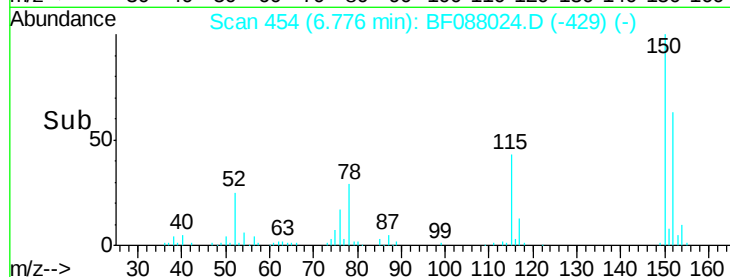
115 68.2 39.6 59.4#



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: 57.98 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

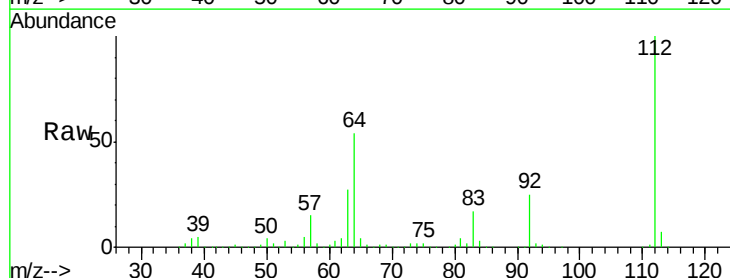
Tgt Ion:112 Resp: 315658

Ion Ratio Lower Upper

112 100

64 53.8 42.2 63.2

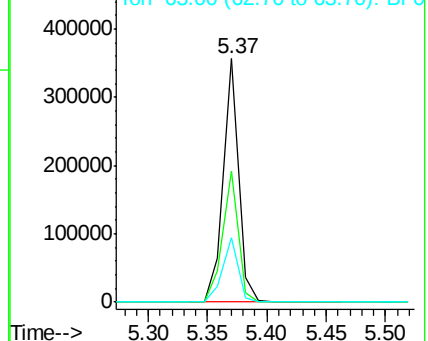
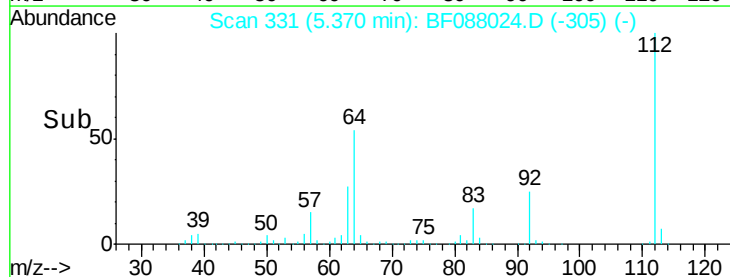
63 26.6 21.8 32.8

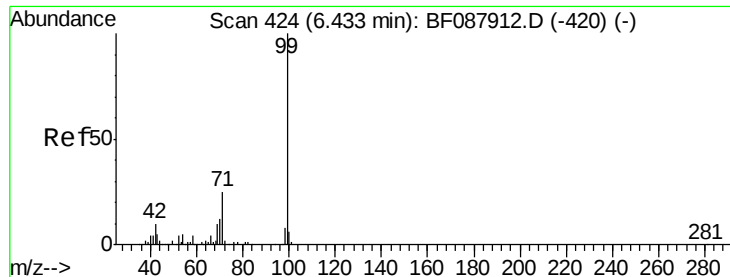


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.43 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

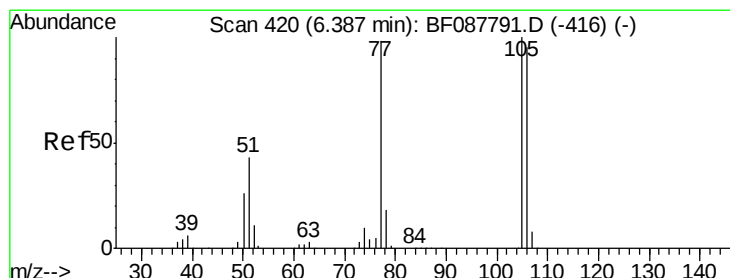
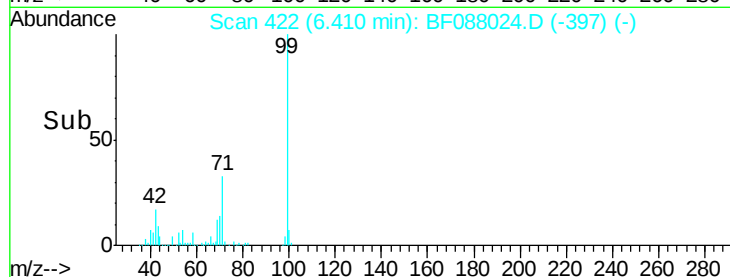
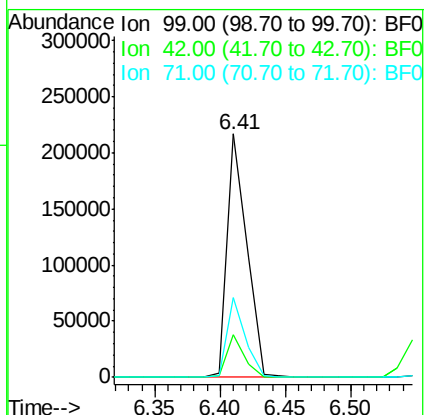
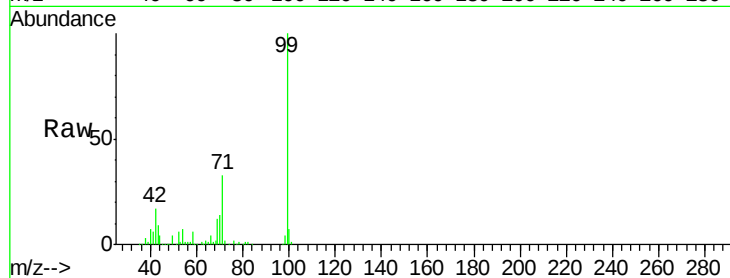
Tgt Ion: 99 Resp: 227198

Ion Ratio Lower Upper

99 100

42 17.4 12.2 18.2

71 32.9 23.4 35.0



#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.22 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

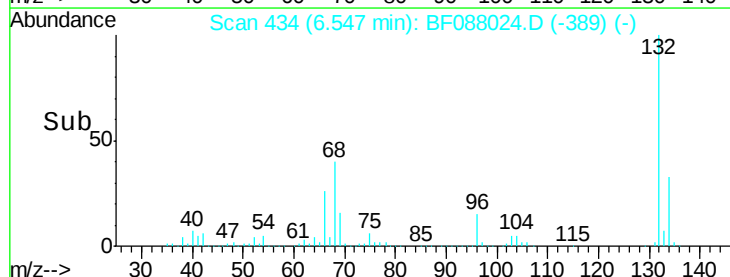
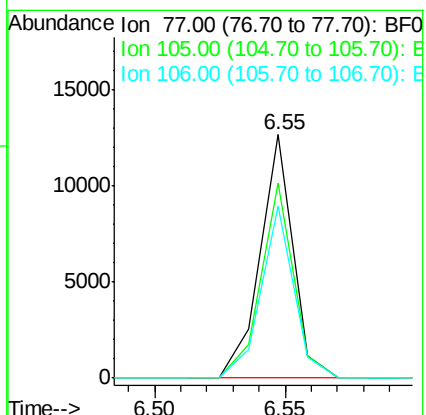
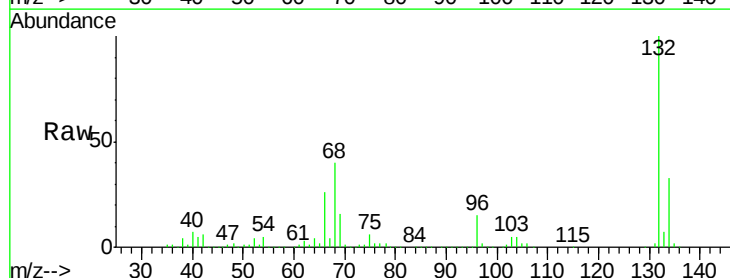
Tgt Ion: 77 Resp: 11230

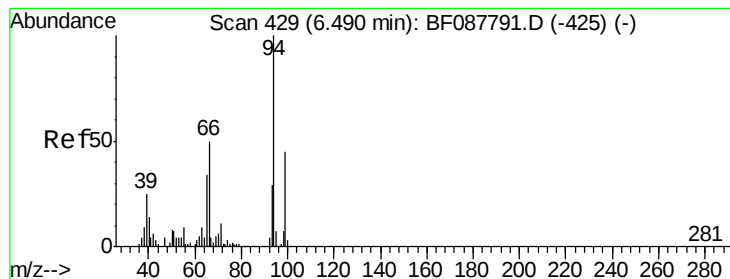
Ion Ratio Lower Upper

77 100

105 80.0 90.6 130.6#

106 70.4 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

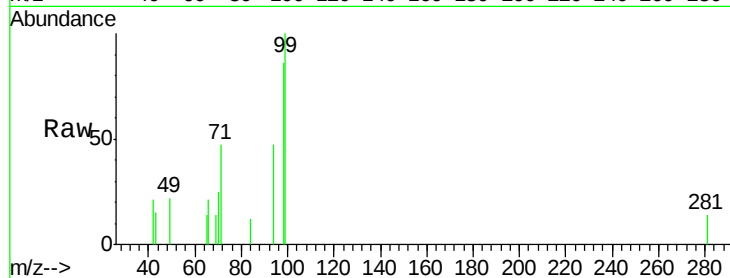
Tgt Ion: 94 Resp: 1673

Ion Ratio Lower Upper

94 100

65 29.6 5.9 45.9

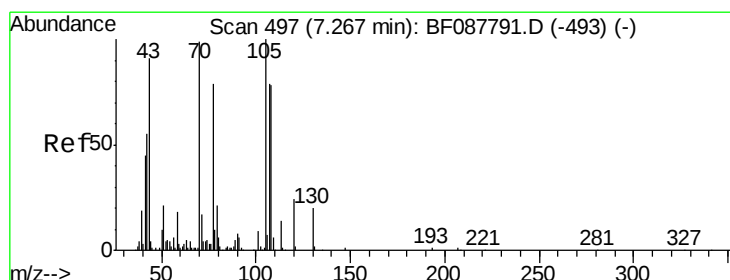
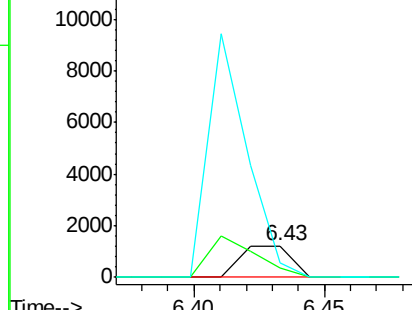
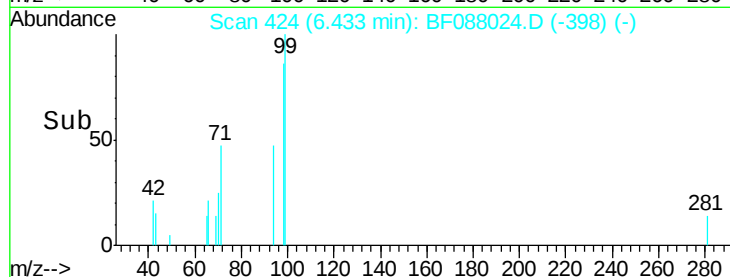
66 44.3 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.33 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.14 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Tgt Ion: 70 Resp: 60508

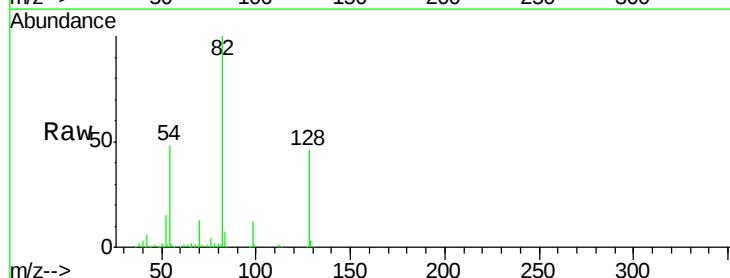
Ion Ratio Lower Upper

70 100

42 42.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

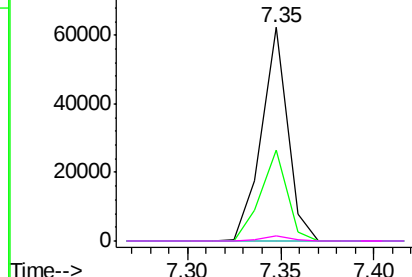
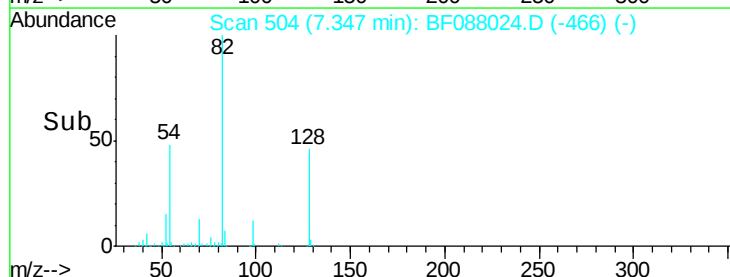


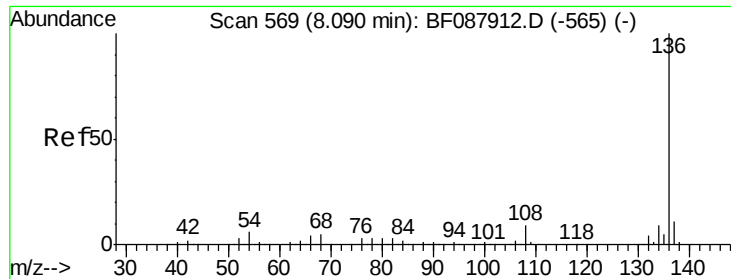
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

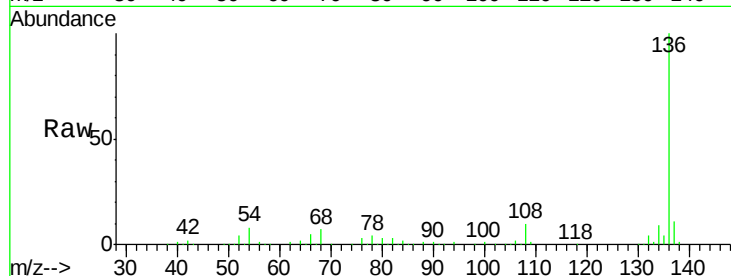




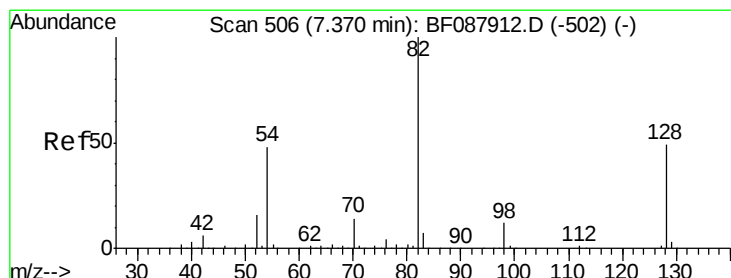
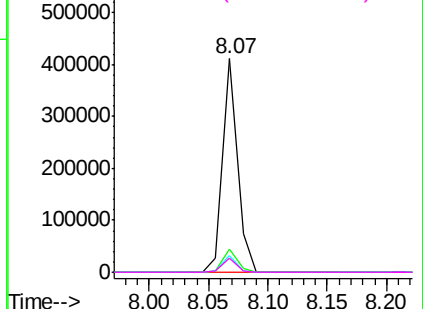
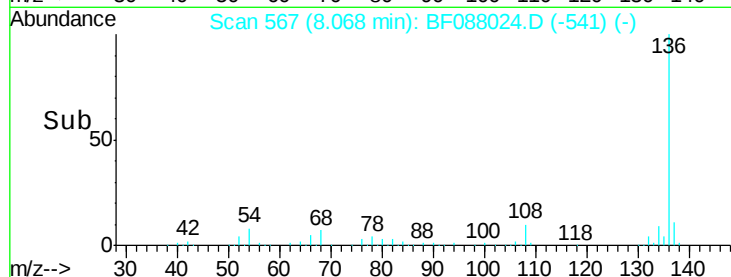
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

Tgt Ion: 136 Resp: 353374
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.9 6.6 10.0
68 6.7 5.1 7.7

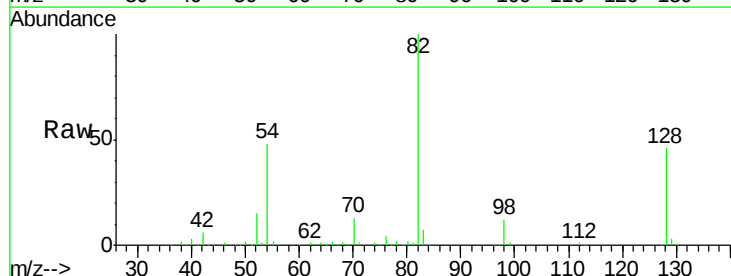


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

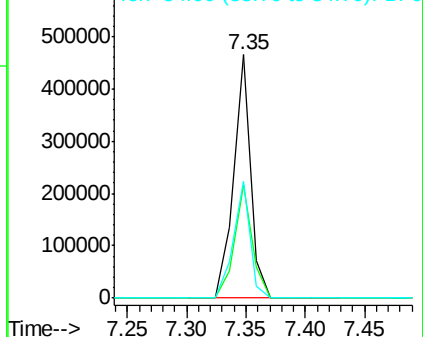
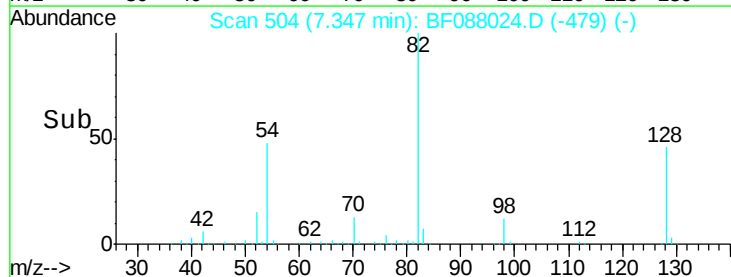


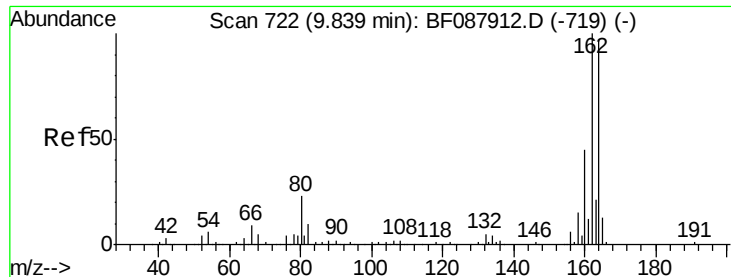
#23
Nitrobenzene-d5
Concen: 76.65 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Tgt Ion: 82 Resp: 463879
Ion Ratio Lower Upper
82 100
128 46.4 35.9 53.9
54 47.9 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

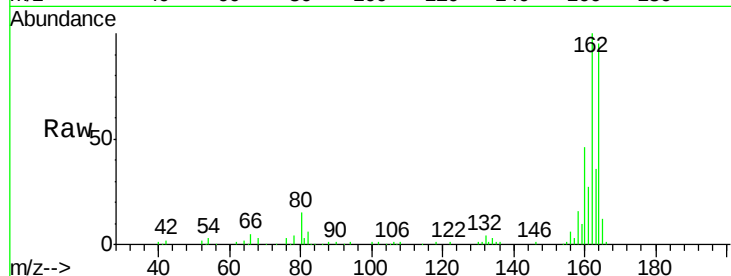
Tgt Ion:164 Resp: 147128

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

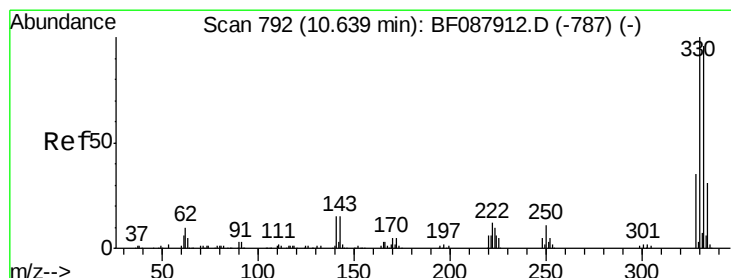
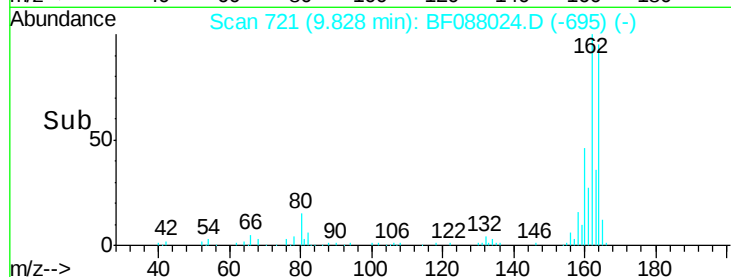
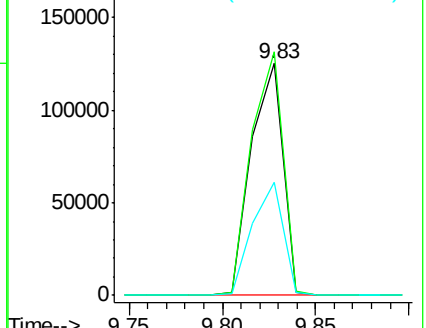
160 48.7 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 102.95 ng

RT: 10.62 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

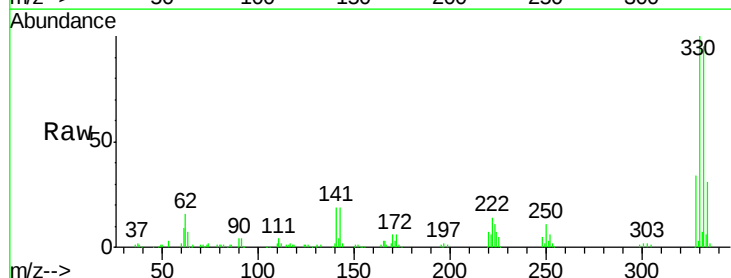
Tgt Ion:330 Resp: 159931

Ion Ratio Lower Upper

330 100

332 94.4 0.0 0.0#

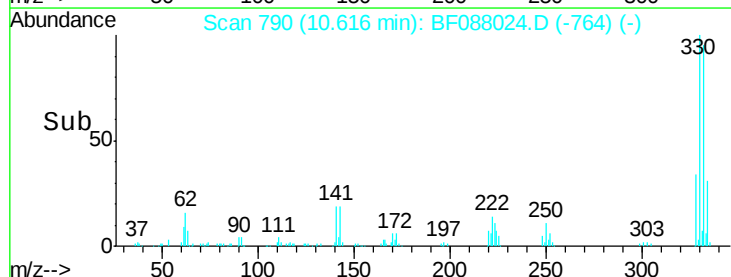
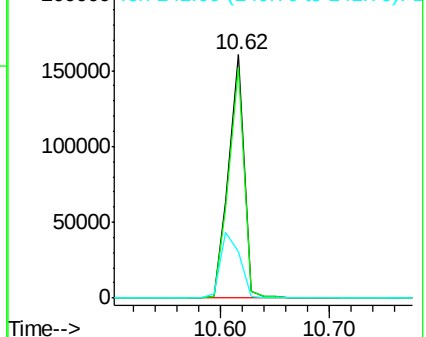
141 33.8 0.0 0.0#

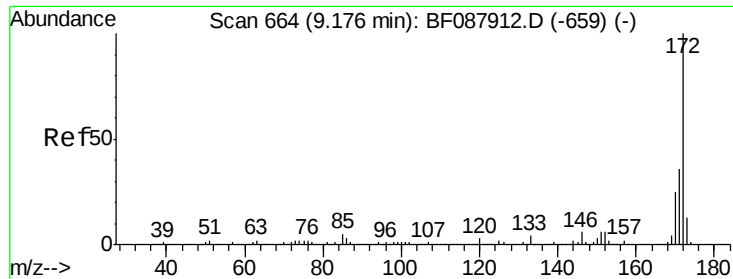


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

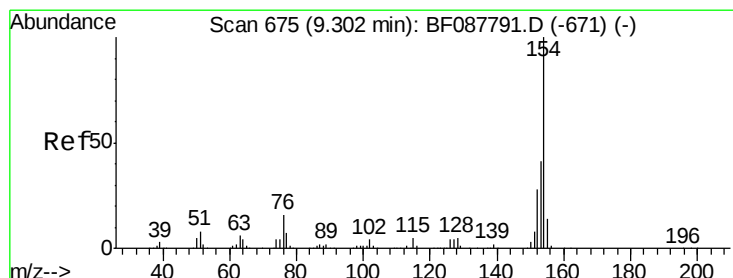
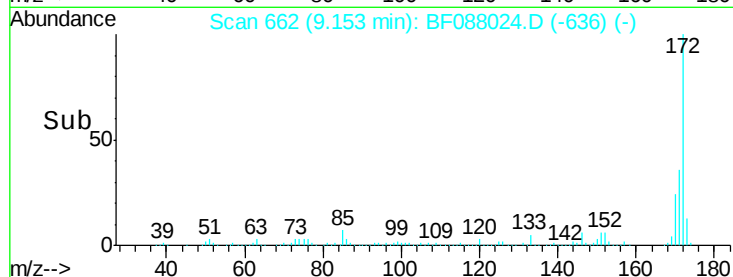
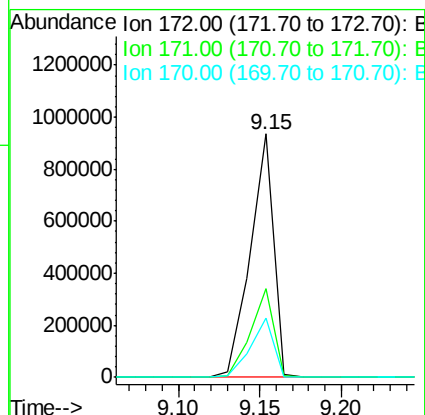
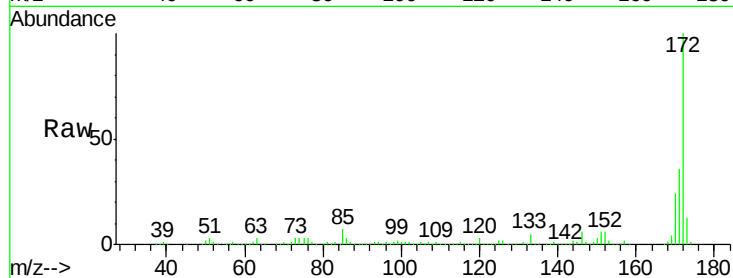




#44
2-Fluorobiphenyl
Concen: 100.09 ng
RT: 9.15 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

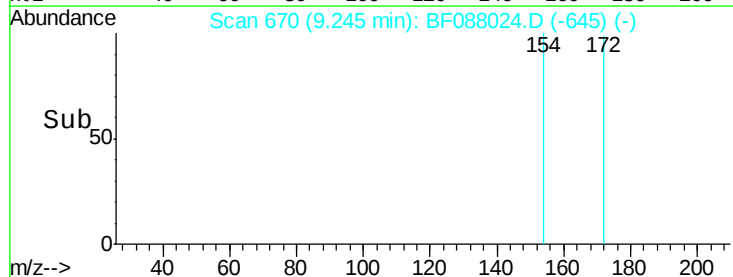
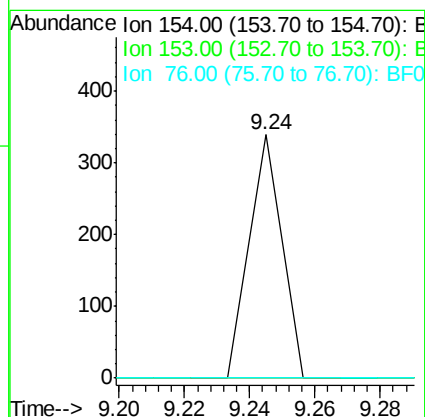
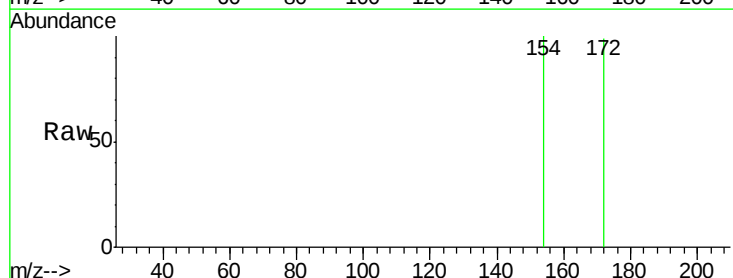
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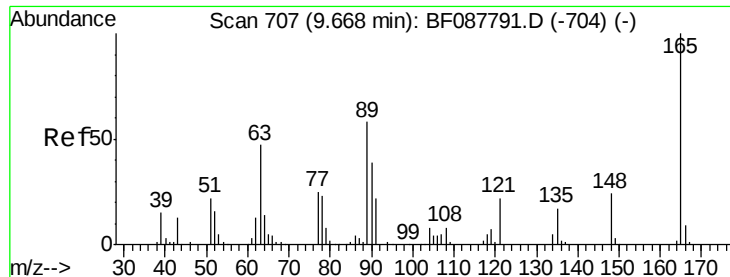
Tgt Ion:172 Resp: 928227
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.3 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.24 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Tgt Ion:154 Resp: 233
Ion Ratio Lower Upper
154 100
153 0.0 20.6 60.6#
76 0.0 0.0 35.1

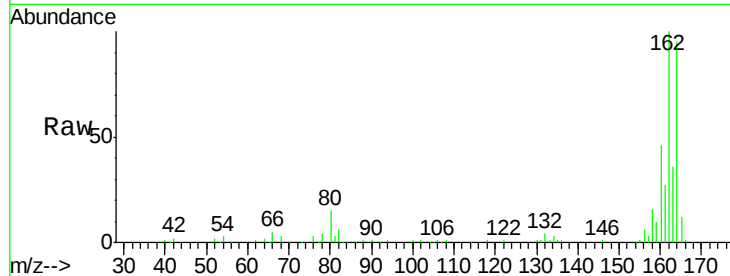




#50
2,6-Dinitrotoluene
Concen: 7.72 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.21 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

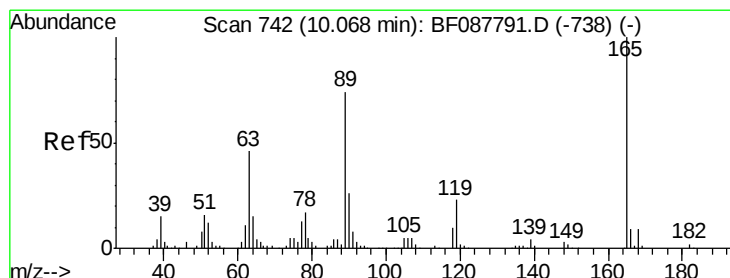
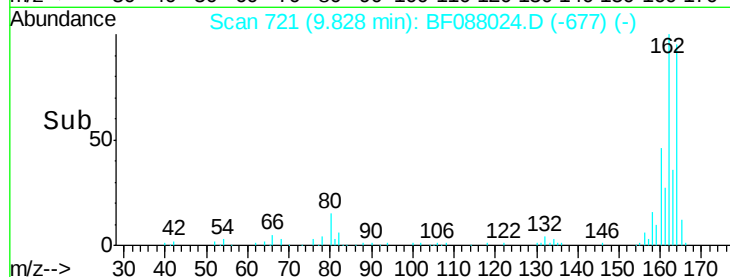
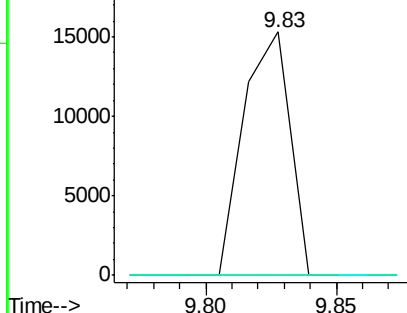
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

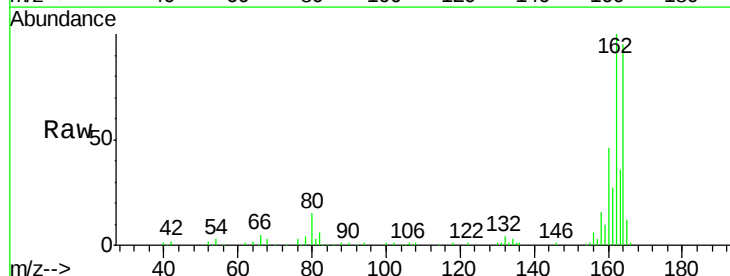
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.19 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Tgt 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#

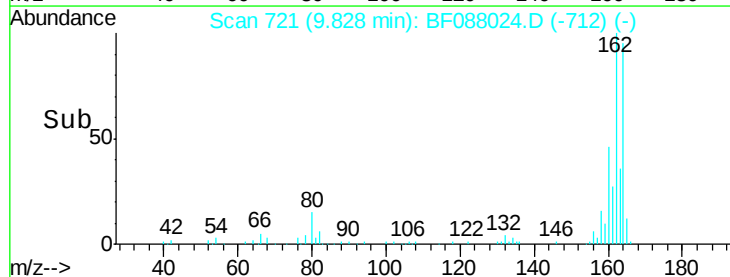
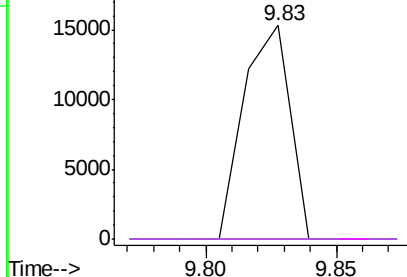


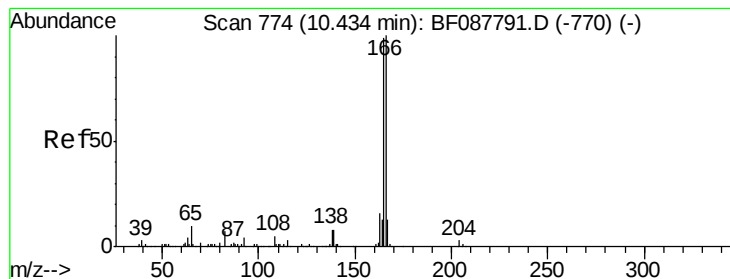
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.60 min Scan# 789

Delta R.T. 0.23 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

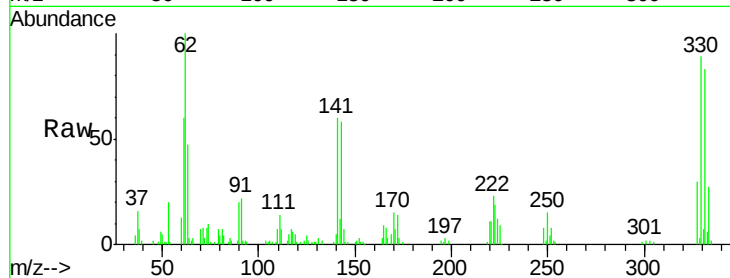
Tgt Ion:166 Resp: 7727

Ion Ratio Lower Upper

166 100

165 108.3 77.8 116.8

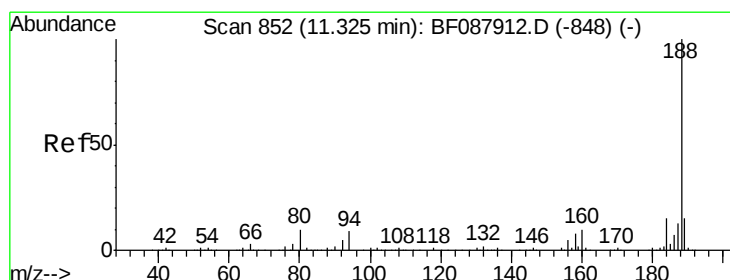
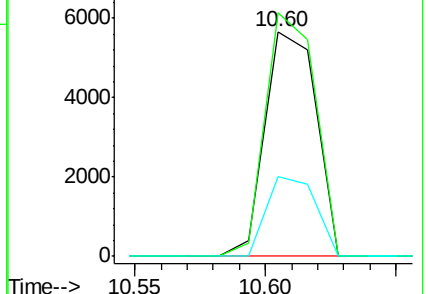
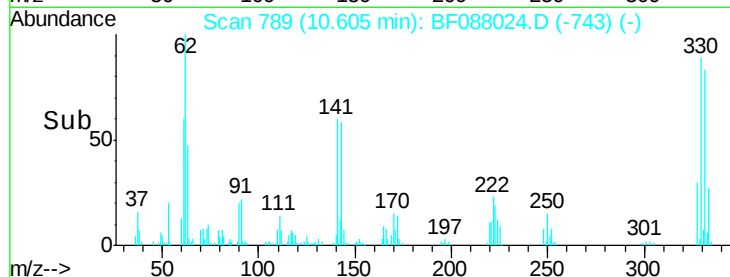
167 35.5 11.2 16.8#



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: 11.30 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF088024.D

Acq: 15 Jun 2016 3:50

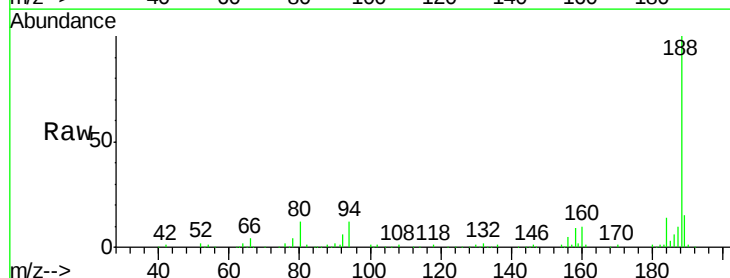
Tgt Ion:188 Resp: 240514

Ion Ratio Lower Upper

188 100

94 11.7 9.0 13.6

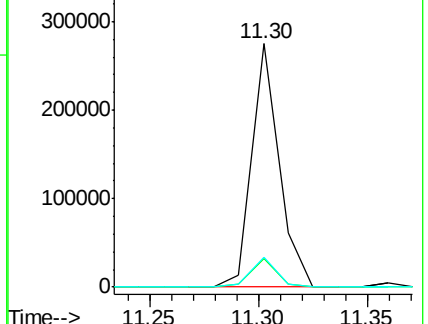
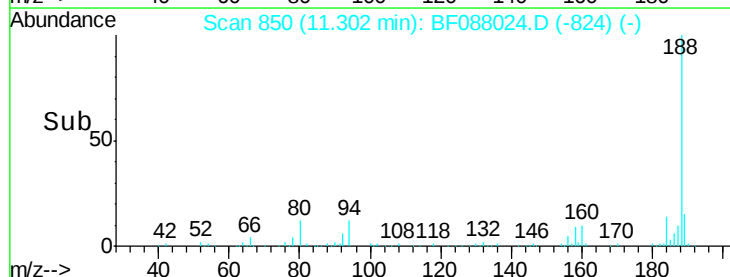
80 12.2 10.0 15.0

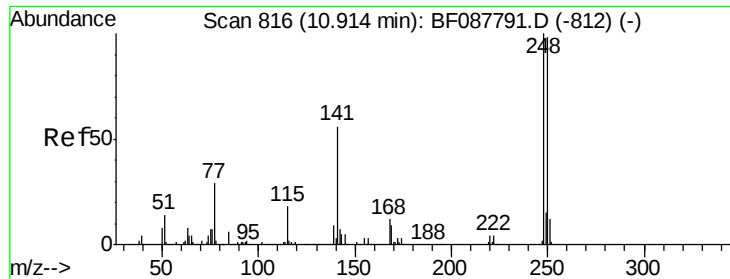


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

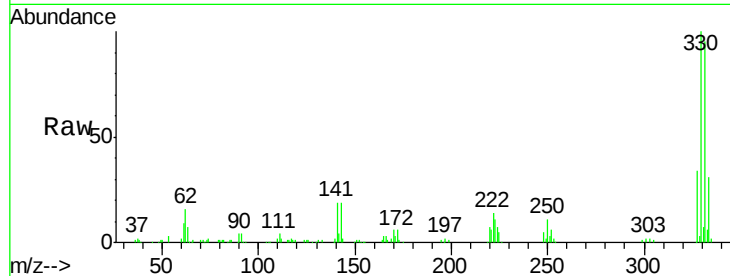




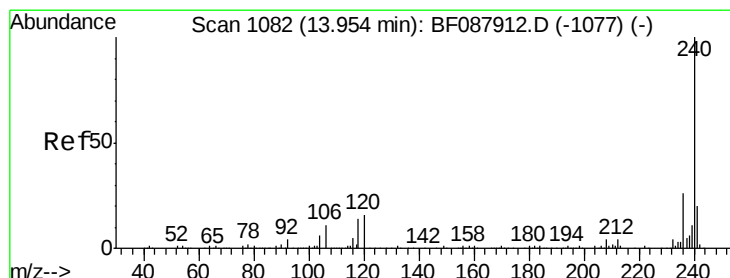
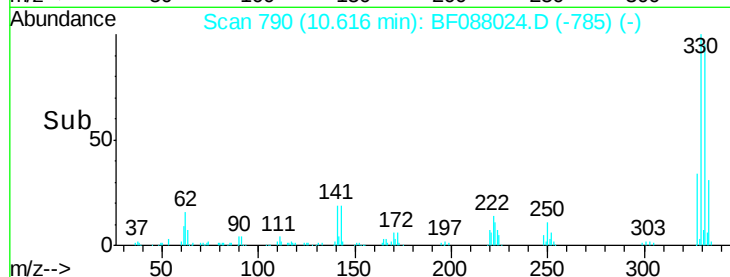
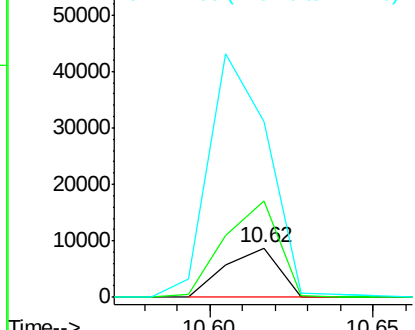
#66
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.24 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

Tgt Ion:248 Resp: 9934
Ion Ratio Lower Upper
248 100
250 194.7 77.1 115.7#
141 353.2 50.6 76.0#

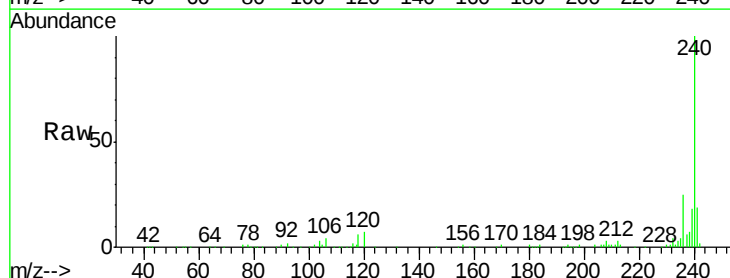


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

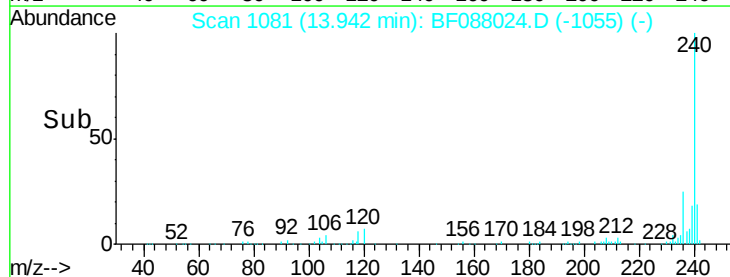
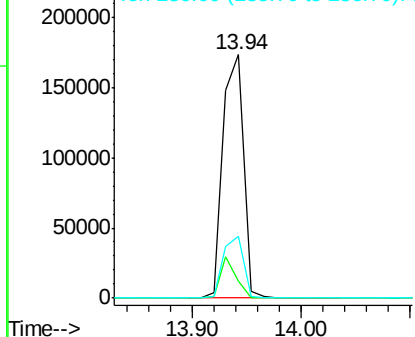


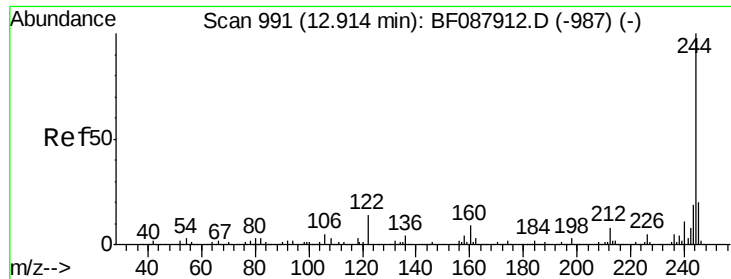
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. 0.00 min
Lab File: BF088024.D
Acq: 15 Jun 2016 3:50

Tgt Ion:240 Resp: 228221
Ion Ratio Lower Upper
240 100
120 7.2 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

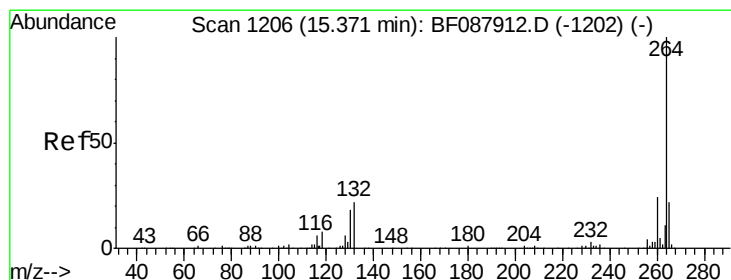
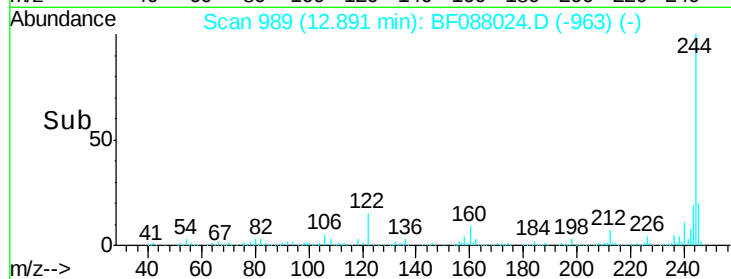
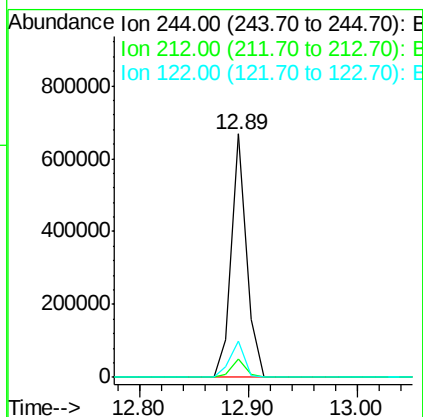
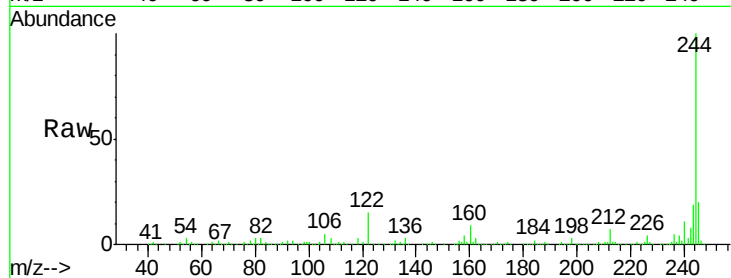




#78
 Terphenyl-d14
 Concen: 64.12 ng
 RT: 12.89 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BF088024.D
 Acq: 15 Jun 2016 3:50

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

Tgt Ion:244 Resp: 643041
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 15.0 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF088024.D
 Acq: 15 Jun 2016 3:50

Tgt Ion:264 Resp: 178334
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.4 16.9 25.3

