

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088027.D
 Acq On : 15 Jun 2016 5:18
 Operator : UM/SJ
 Sample : H3425-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW2

Quant Time: Jun 15 05:48:39 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	101037	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	395353	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	156356	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	251793	20.00	ng	0.00
75) Chrysene-d12	13.93	240	233657	20.00	ng	-0.01
86) Perylene-d12	15.35	264	182192	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	363235	61.46	ng	0.00
7) Phenol-d6	6.41	99	276848	38.65	ng	-0.01
23) Nitrobenzene-d5	7.35	82	513437	75.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	168826	102.26	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	972294	98.57	ng	0.00
78) Terphenyl-d14	12.89	244	666772	64.94	ng	0.00

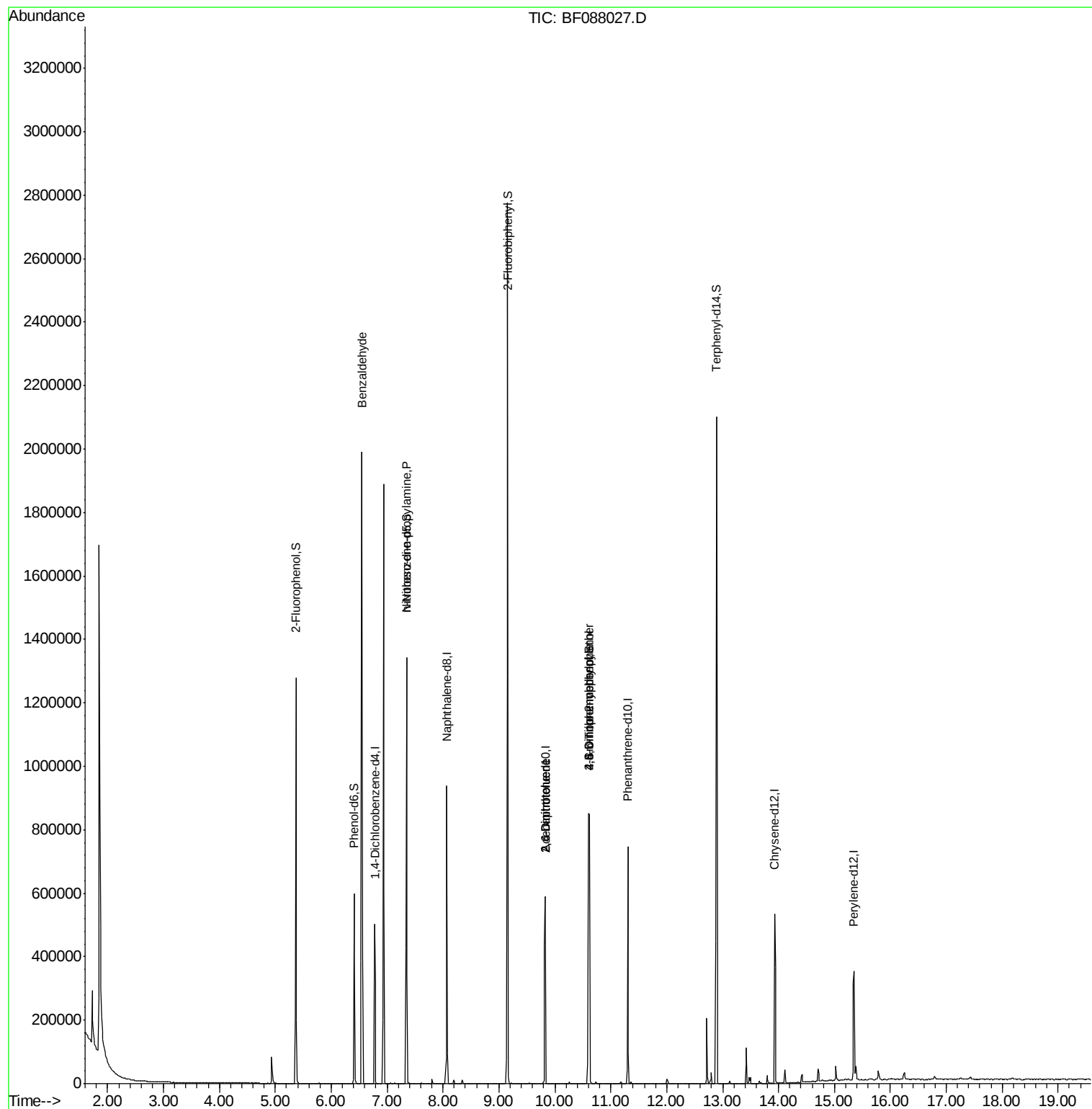
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	12431	2.53	ng	# 69
10) Phenol	6.42	94	552	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.35	70	65535	14.30	ng	# 73
45) 1,1'-Biphenyl	9.15	154	1965	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.83	165	19466	7.50	ng	# 37
56) 2,4-Dinitrotoluene	9.83	165	19466	5.84	ng	# 36
57) Fluorene	10.60	166	8235	Below Cal		# 92
64) 4,6-Dinitro-2-methylphenol	10.62	198	206	2.29	ng	# 28
66) 4-Bromophenyl-phenylether	10.62	248	10347	3.83	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: BF088027.D

Acq: 15 Jun 2016 5:18

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

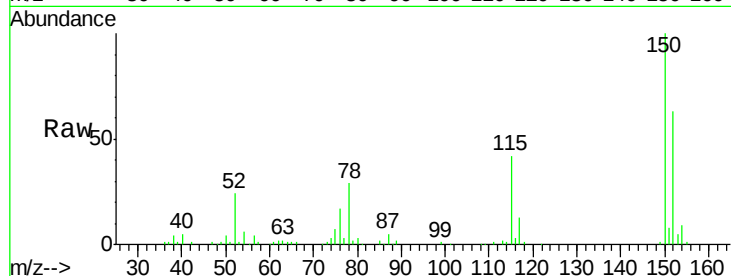
Tgt Ion:152 Resp: 101037

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

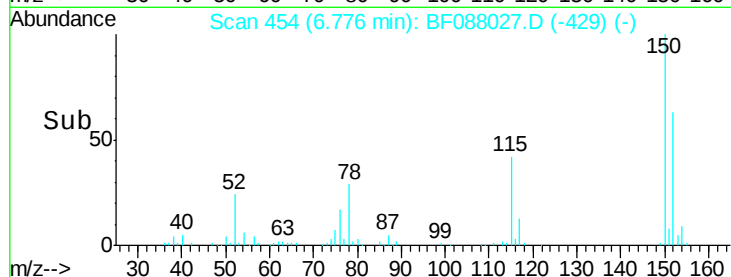
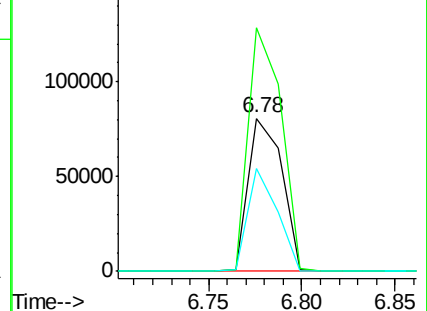
115 67.5 39.6 59.4#



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: 61.46 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.00 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

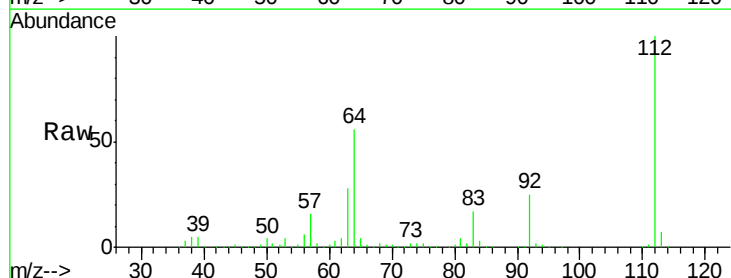
Tgt Ion:112 Resp: 363235

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

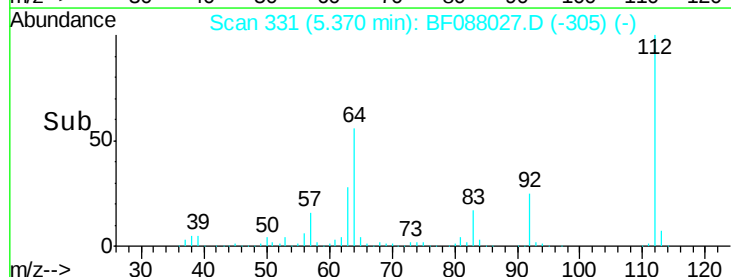
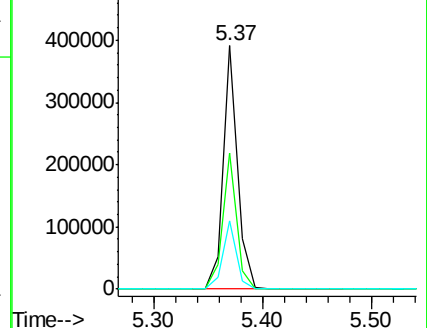
63 28.2 21.8 32.8



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: 38.65 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

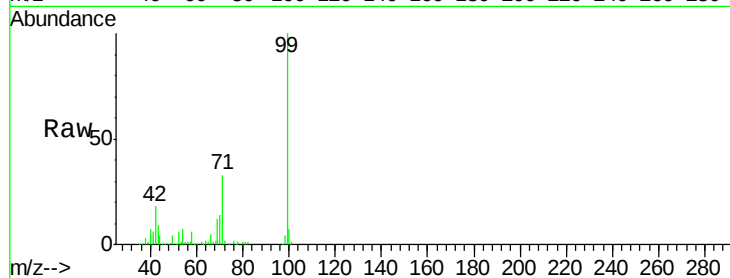
Tgt Ion: 99 Resp: 276848

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

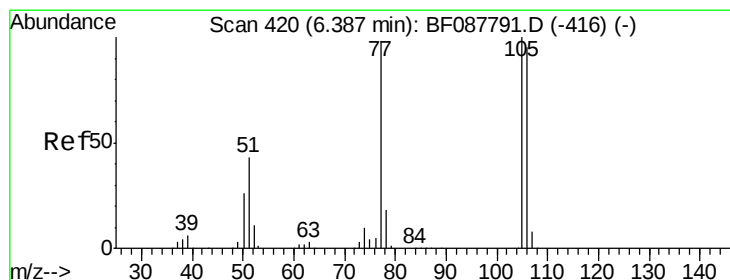
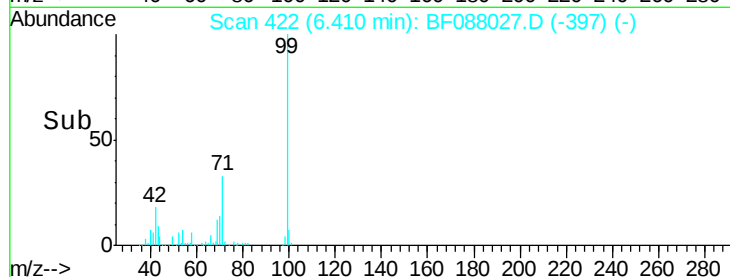
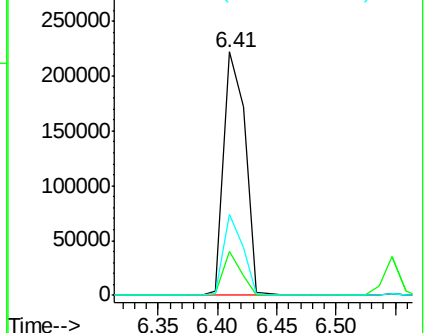
71 33.2 23.4 35.0



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: 2.53 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.22 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

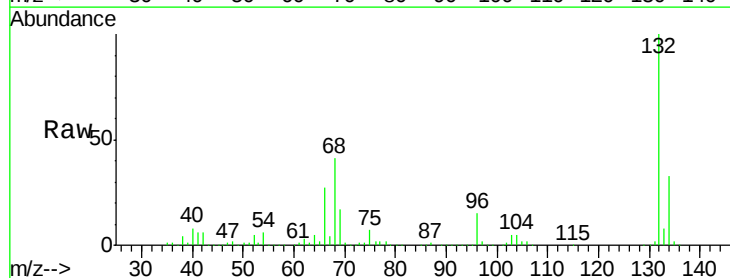
Tgt Ion: 77 Resp: 12431

Ion Ratio Lower Upper

77 100

105 79.4 90.6 130.6#

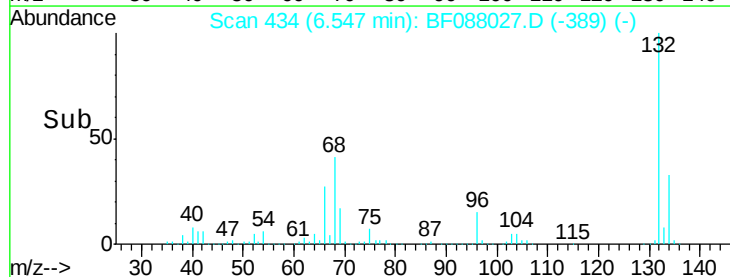
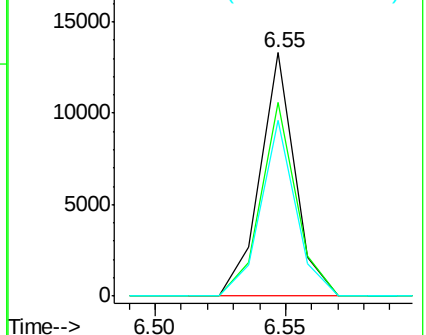
106 72.0 85.3 125.3#

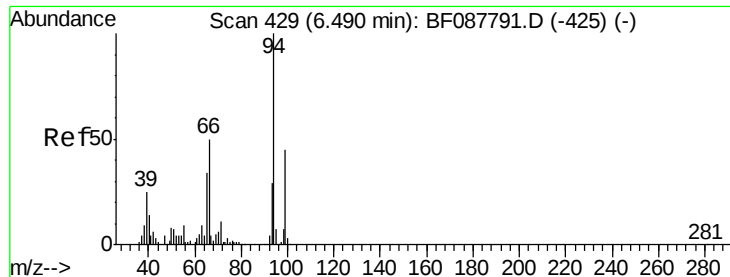


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

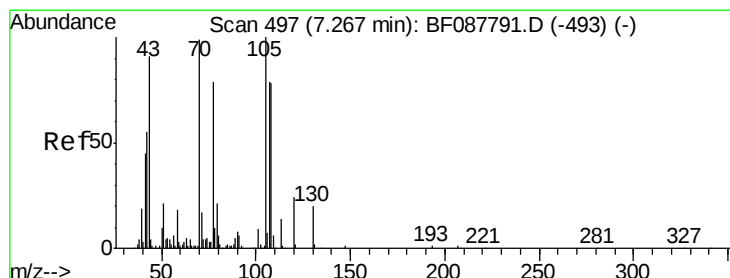
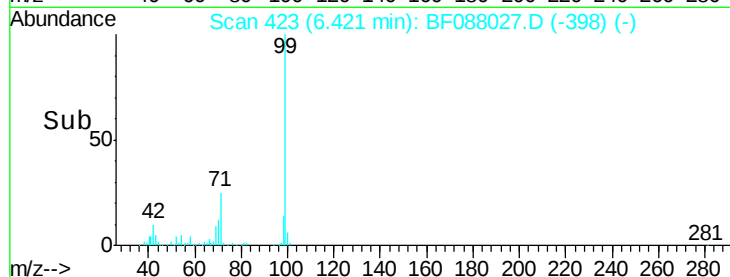
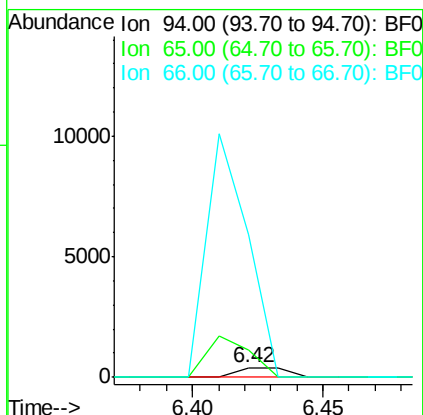
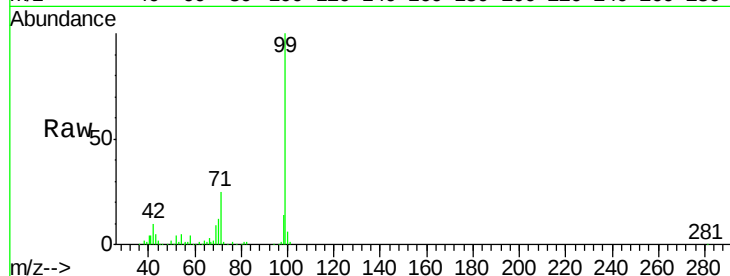
Tgt Ion: 94 Resp: 552

Ion Ratio Lower Upper

94 100

65 284.7 5.9 45.9#

66 1461.1 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.30 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.14 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

Tgt Ion: 70 Resp: 65535

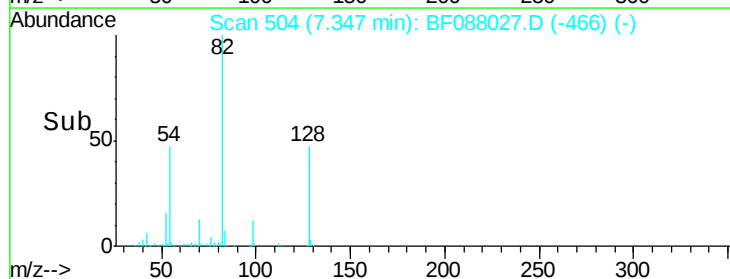
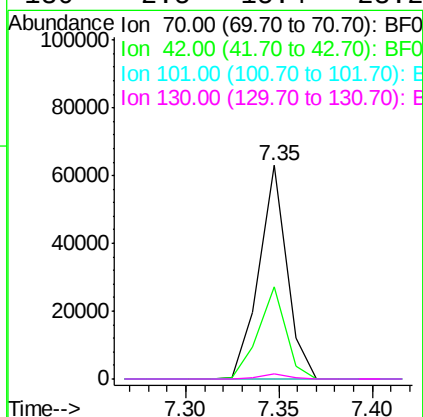
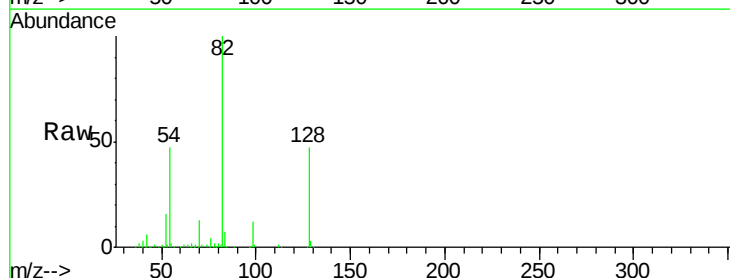
Ion Ratio Lower Upper

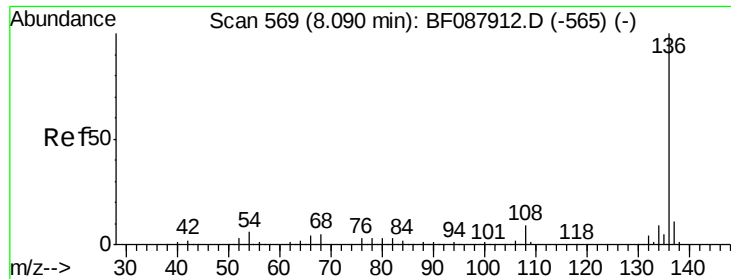
70 100

42 43.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

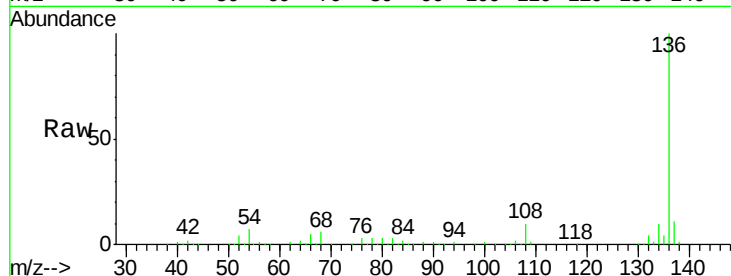




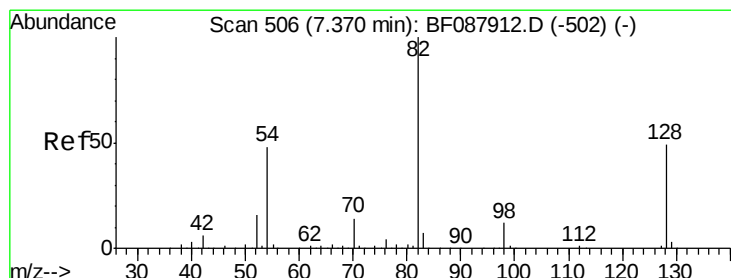
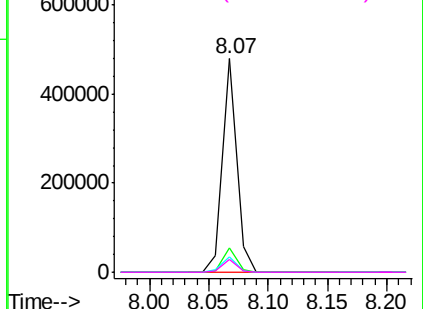
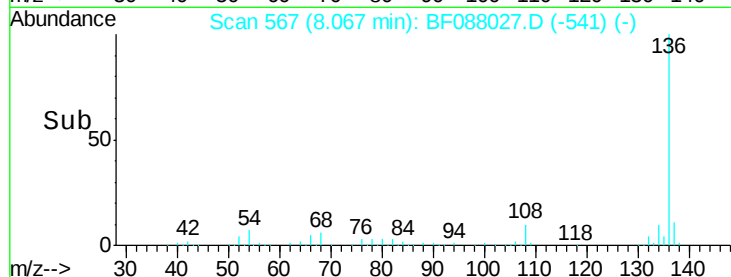
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

Tgt Ion:	136	Resp:	395353
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.4	6.6	10.0
68	6.2	5.1	7.7

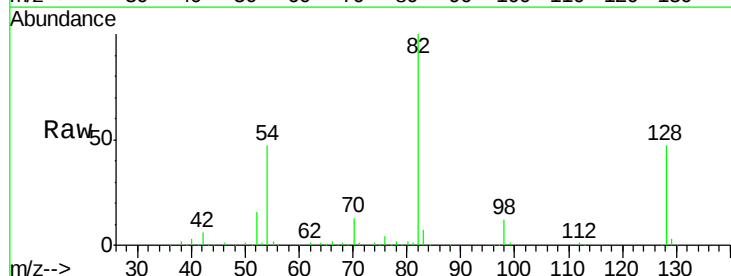


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

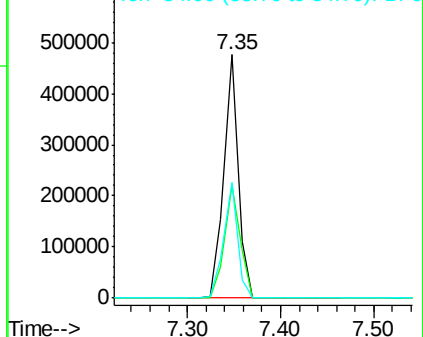
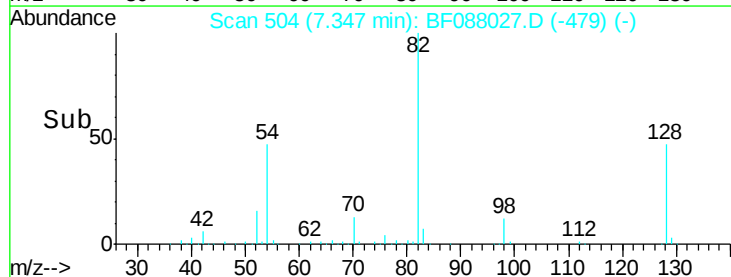


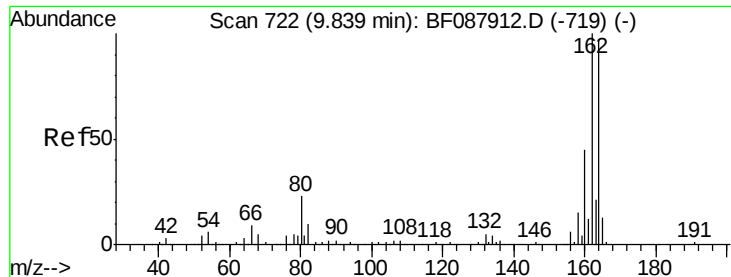
#23
Nitrobenzene-d5
Concen: 75.84 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

Tgt Ion:	82	Resp:	513437
Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.9	53.9
54	47.2	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: BF088027.D

Acq: 15 Jun 2016 5:18

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

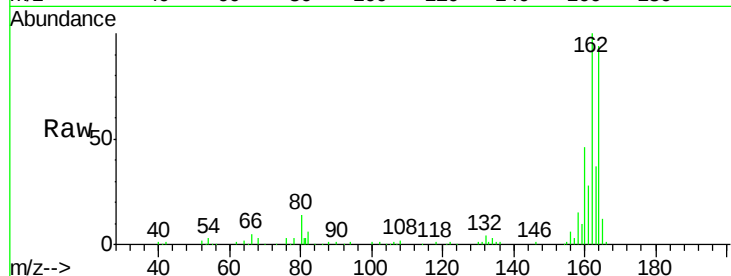
Tgt Ion:164 Resp: 156356

Ion Ratio Lower Upper

164 100

162 106.5 85.4 128.2

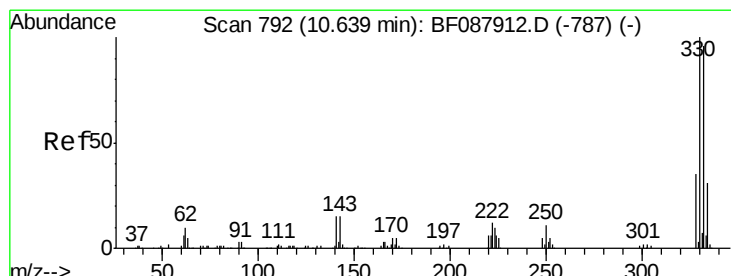
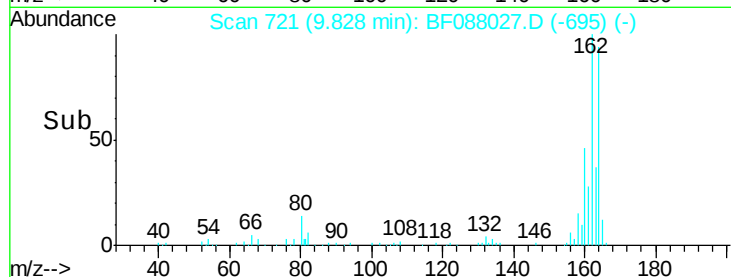
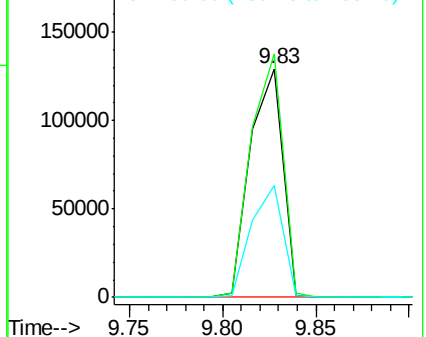
160 48.8 39.5 59.3



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: 102.26 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF088027.D

Acq: 15 Jun 2016 5:18

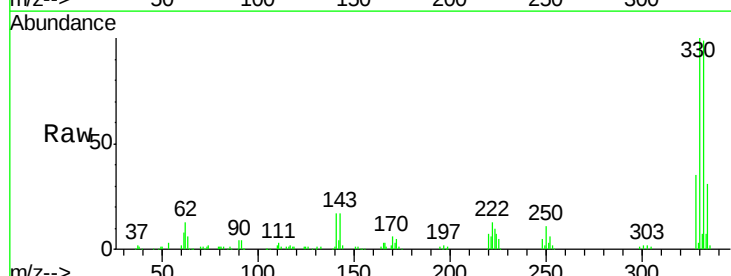
Tgt Ion:330 Resp: 168826

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

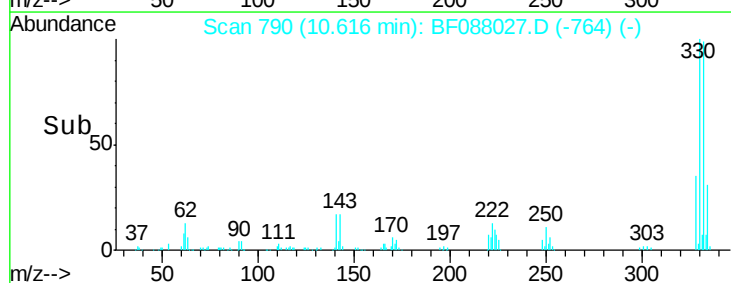
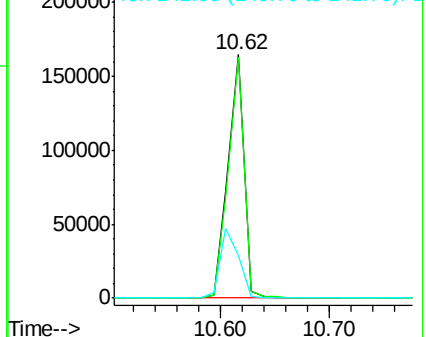
141 32.6 0.0 0.0#

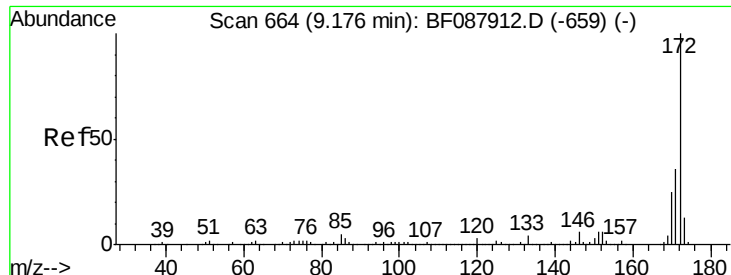


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

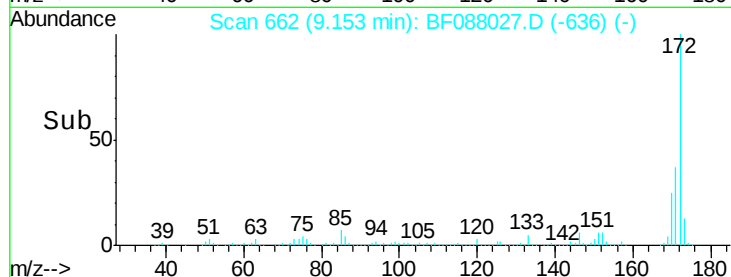
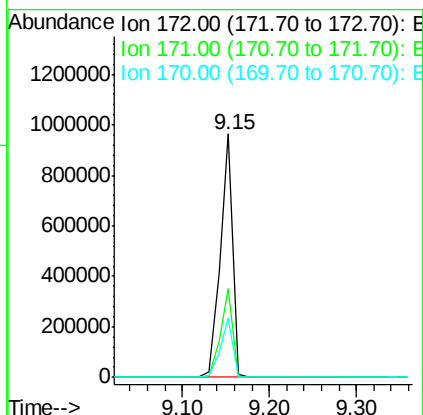
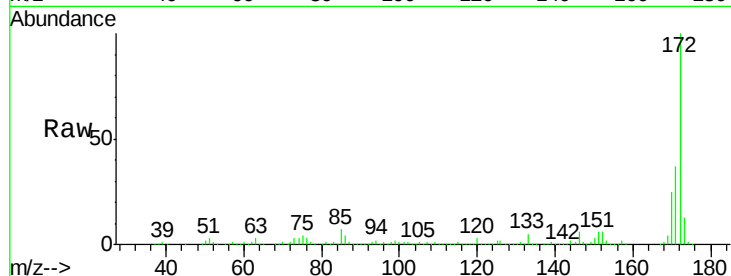




#44
 2-Fluorobiphenyl
 Concen: 98.57 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF088027.D
 Acq: 15 Jun 2016 5:18

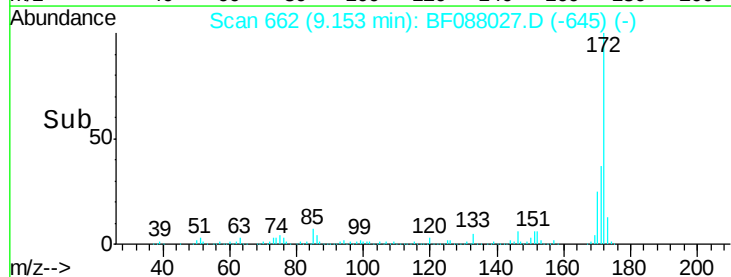
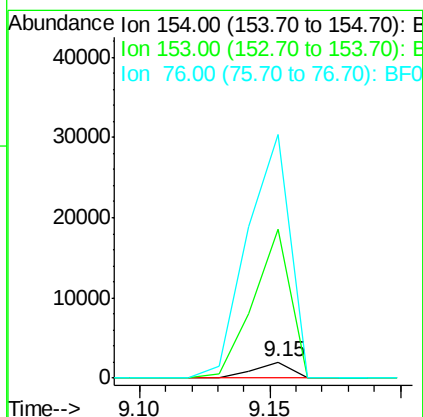
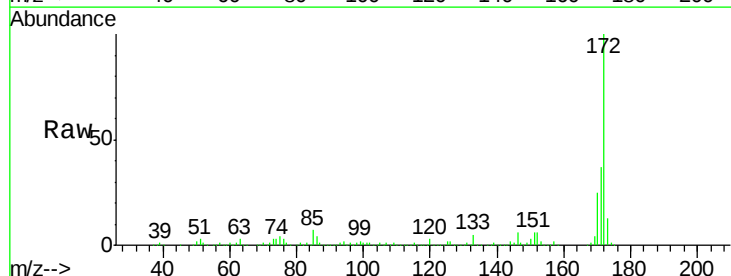
Instrument :
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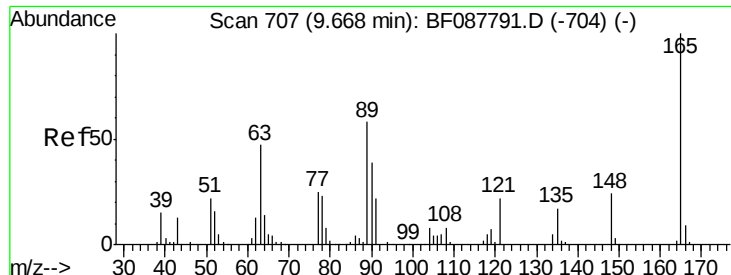
Tgt Ion:172 Resp: 972294
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.5 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.15 min Scan# 662
 Delta R.T. -0.10 min
 Lab File: BF088027.D
 Acq: 15 Jun 2016 5:18

Tgt Ion:154 Resp: 1965
 Ion Ratio Lower Upper
 154 100
 153 945.9 20.6 60.6#
 76 1541.5 0.0 35.1#

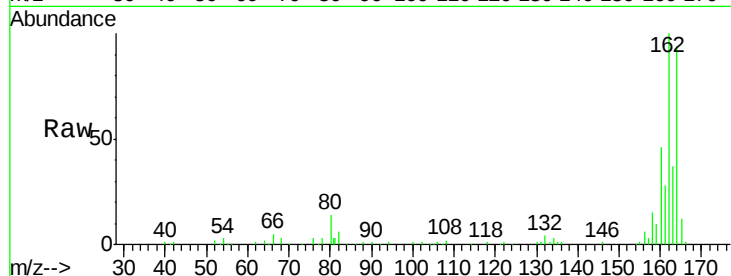




#50
2,6-Dinitrotoluene
Concen: 7.50 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.21 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

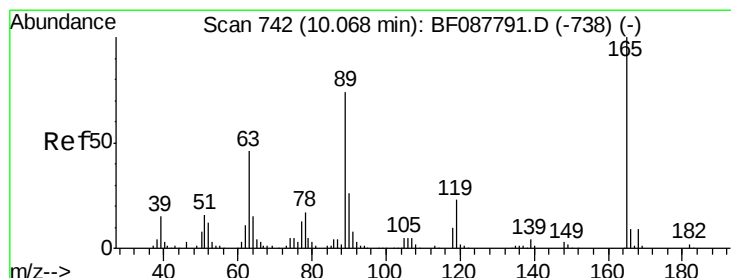
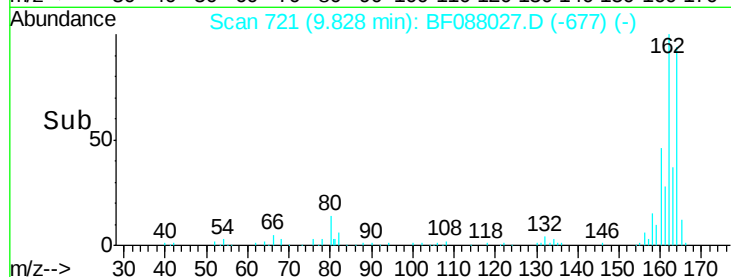
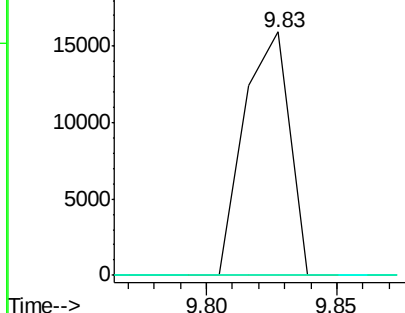
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 5.84 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.19 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

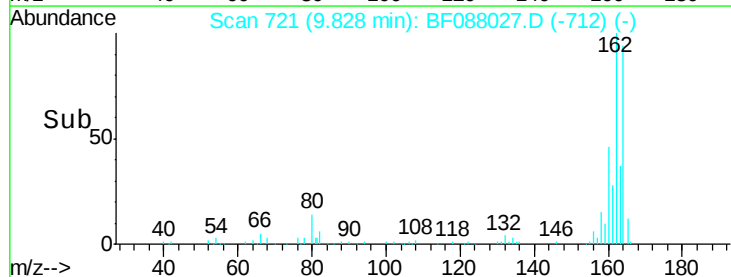
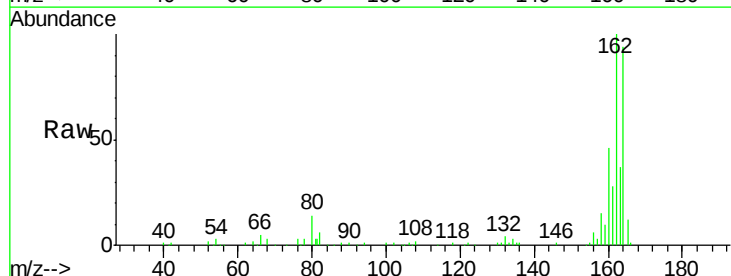
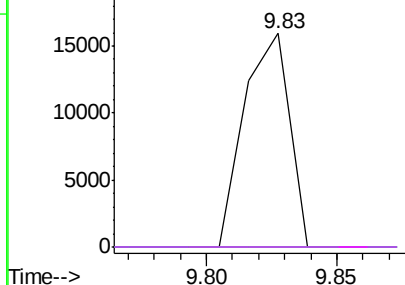
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

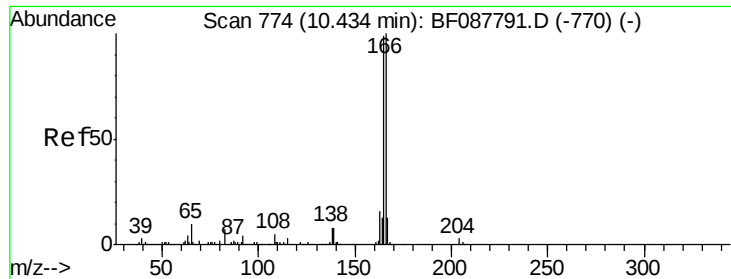
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF088027.D

Acq: 15 Jun 2016 5:18

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

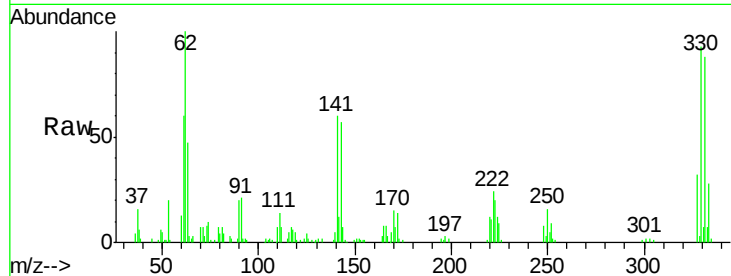
Tgt Ion:166 Resp: 8235

Ion Ratio Lower Upper

166 100

165 100.4 77.8 116.8

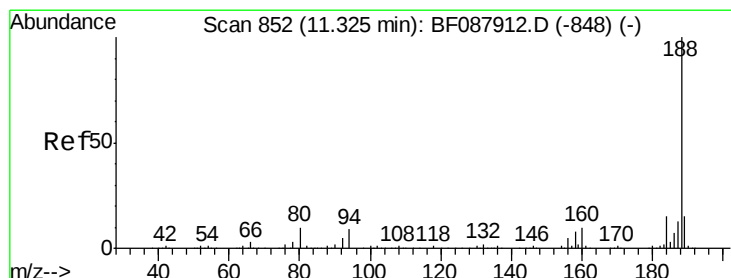
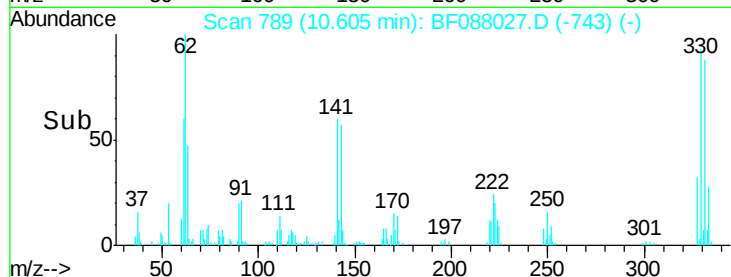
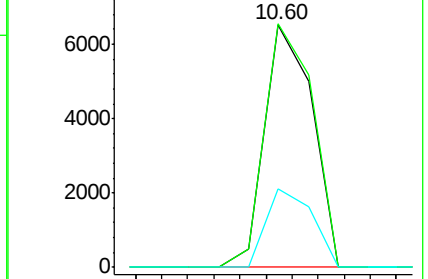
167 32.6 11.2 16.8#



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: BF088027.D

Acq: 15 Jun 2016 5:18

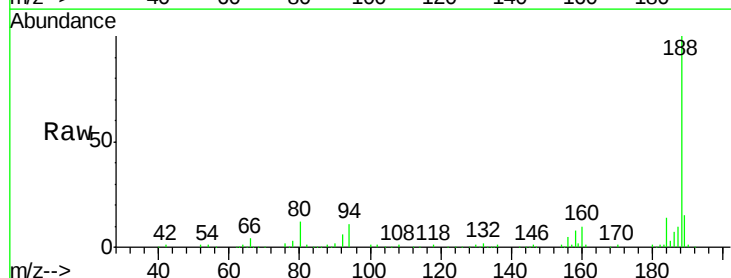
Tgt Ion:188 Resp: 251793

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.6

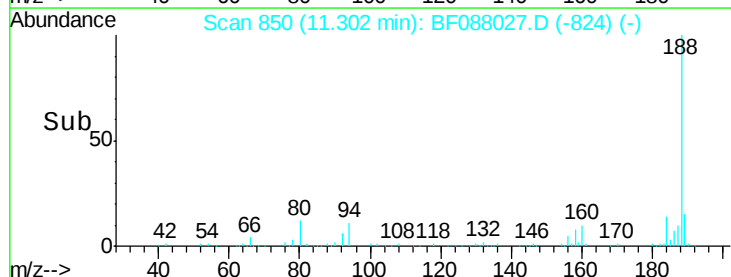
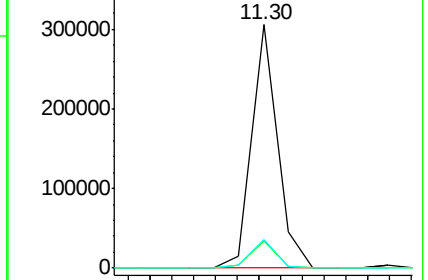
80 11.6 10.0 15.0

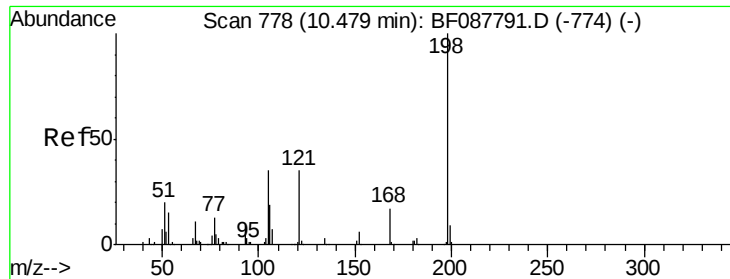


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

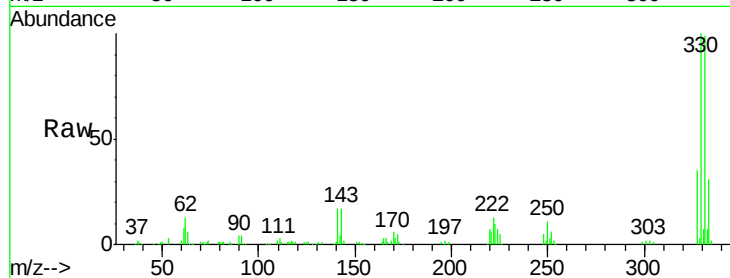




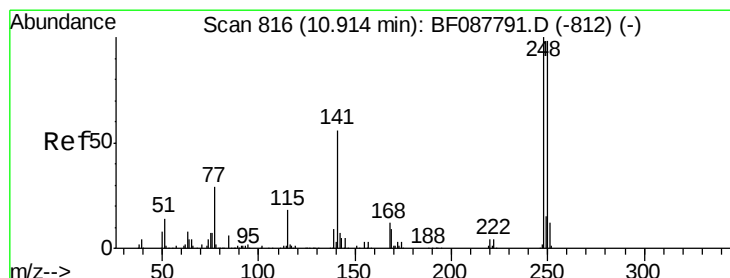
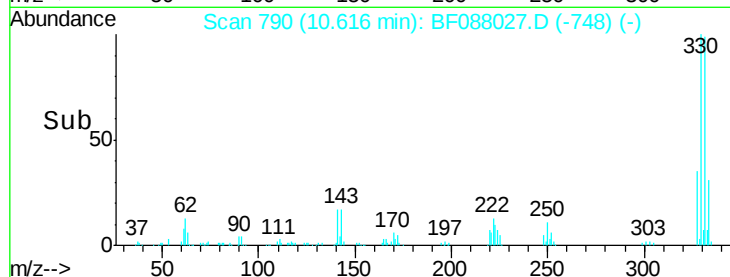
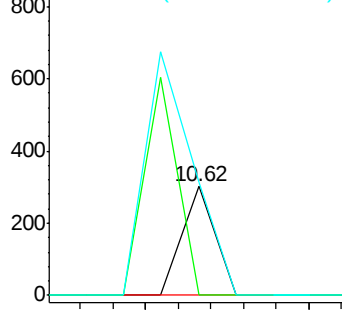
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.29 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.18 min
 Lab File: BF088027.D
 Acq: 15 Jun 2016 5:18

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW2

Tgt Ion:198 Resp: 206
 Ion Ratio Lower Upper
 198 100
 51 0.0 39.6 79.6#
 105 104.7 36.6 76.6#

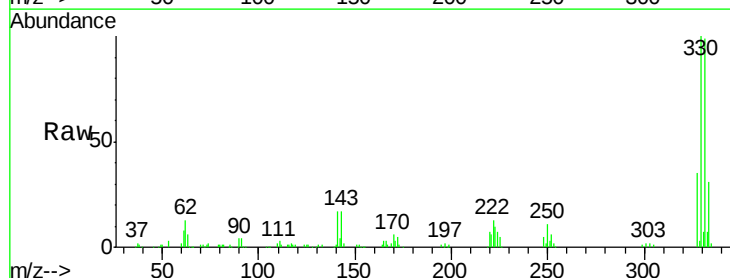


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

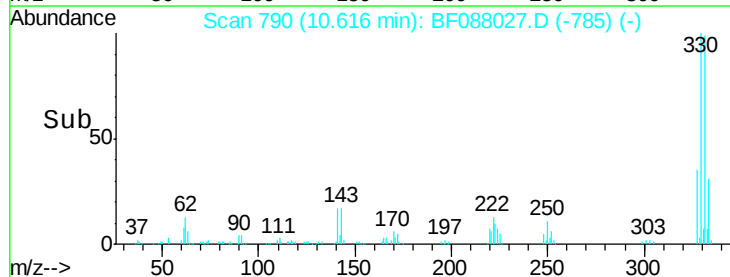
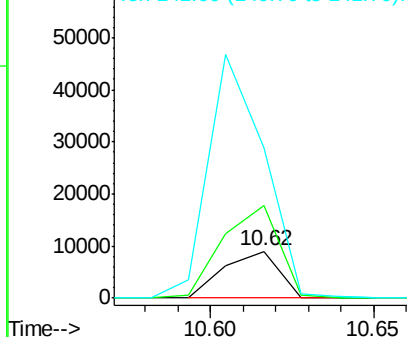


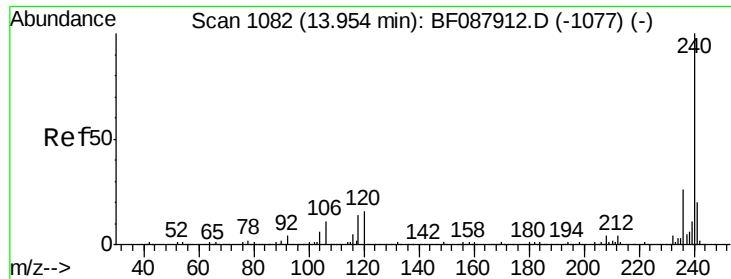
#66
 4-Bromophenyl-phenylether
 Concen: 3.83 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.24 min
 Lab File: BF088027.D
 Acq: 15 Jun 2016 5:18

Tgt Ion:248 Resp: 10347
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.1 115.7#
 141 321.8 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

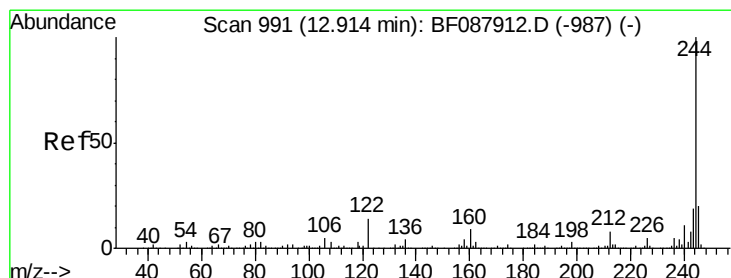
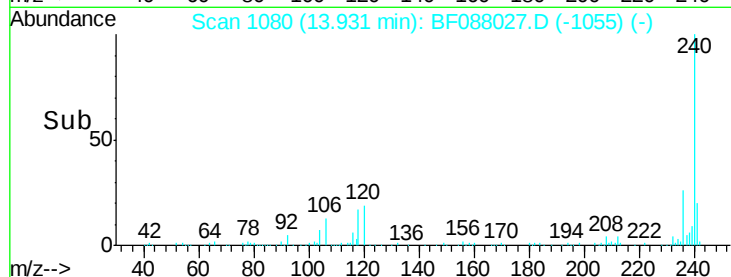
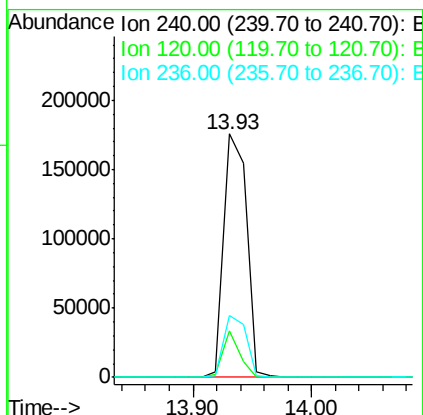
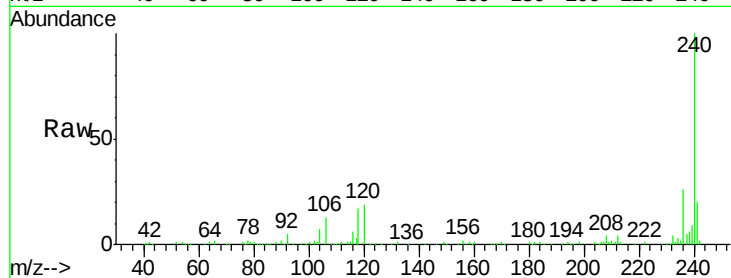




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

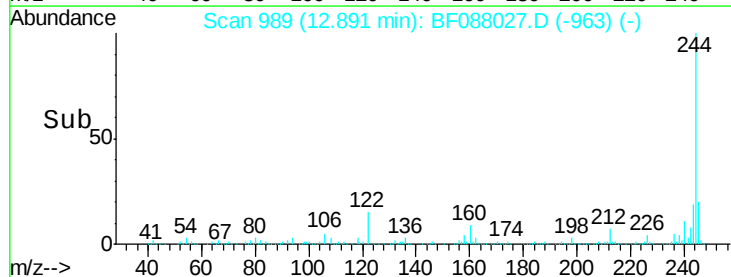
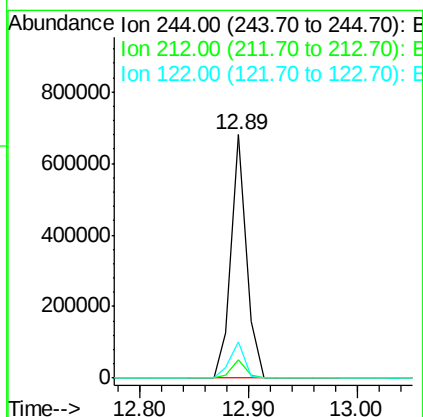
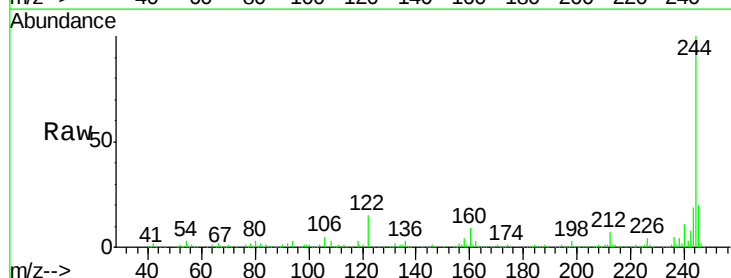
Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

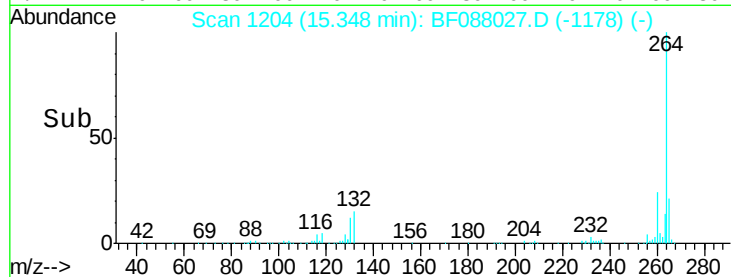
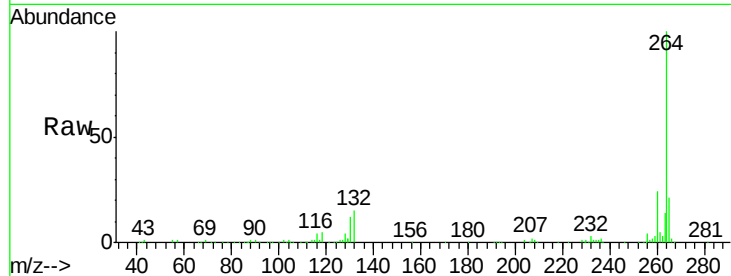
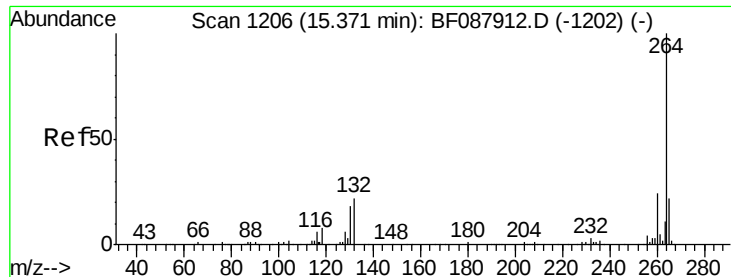
Tgt Ion:240 Resp: 233657
Ion Ratio Lower Upper
240 100
120 19.0 6.8 10.2#
236 25.5 20.2 30.2



#78
Terphenyl-d14
Concen: 64.94 ng
RT: 12.89 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF088027.D
Acq: 15 Jun 2016 5:18

Tgt Ion:244 Resp: 666772
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 14.8 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: BF088027.D
Acq: 15 Jun 2016 5:18

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

Tgt Ion:	264	Resp:	182192
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.9	16.9	25.3

