

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087942.D
 Acq On : 12 Jun 2016 11:42
 Operator : UM/SJ
 Sample : H3425-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW2

Quant Time: Jun 13 01:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109824	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	466157	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	217820	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	428935	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	320852	20.00	ng	-0.03
86) Perylene-d12	15.37	264	242974	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	412522	64.21	ng	-0.03
7) Phenol-d6	6.43	99	347623	44.65	ng	-0.05
23) Nitrobenzene-d5	7.37	82	699800	87.66	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	244088	106.13	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1143823	82.32	ng	-0.05
78) Terphenyl-d14	12.91	244	1008229	71.51	ng	-0.03

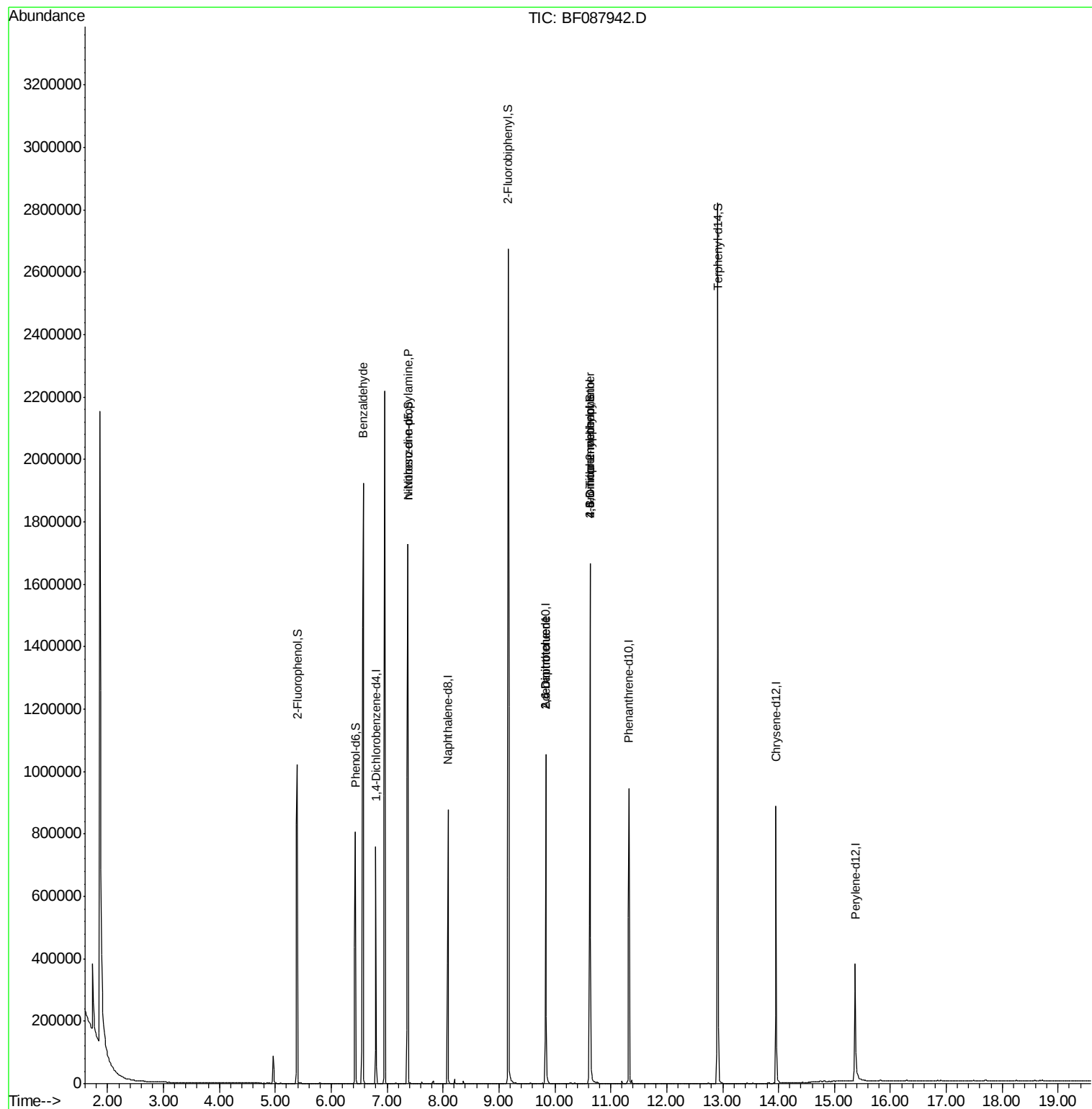
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	15825	2.85	ng	# 75
10) Phenol	6.44	94	497	Below Cal		# 59
19) n-Nitroso-di-n-propylamine	7.37	70	91345	18.34	ng	# 70
45) 1,1'-Biphenyl	9.16	154	2221	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.84	165	27266	7.55	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	27261	5.87	ng	# 37
57) Fluorene	10.63	166	11323	Below Cal		# 87
64) 4,6-Dinitro-2-methylphenol	10.63	198	385	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14941	3.25	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: 6.80 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

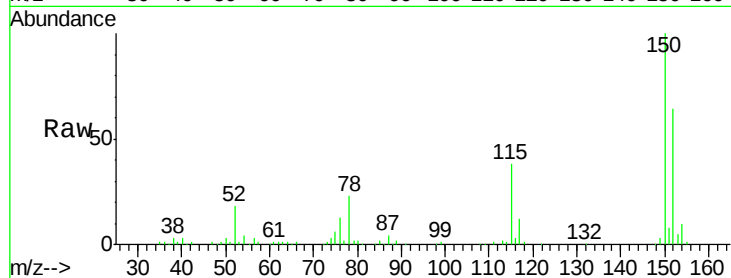
Tgt Ion:152 Resp: 109824

Ion Ratio Lower Upper

152 100

150 155.7 123.8 185.6

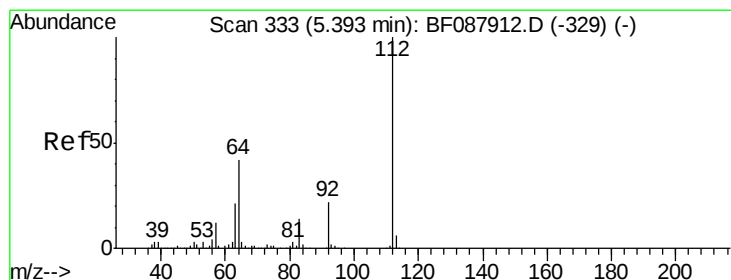
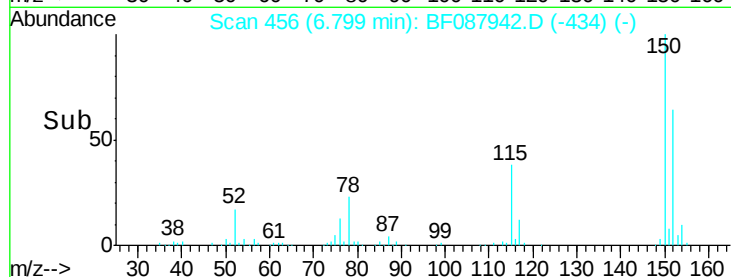
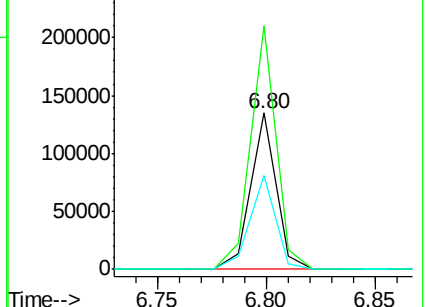
115 59.7 39.6 59.4#



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: 64.21 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

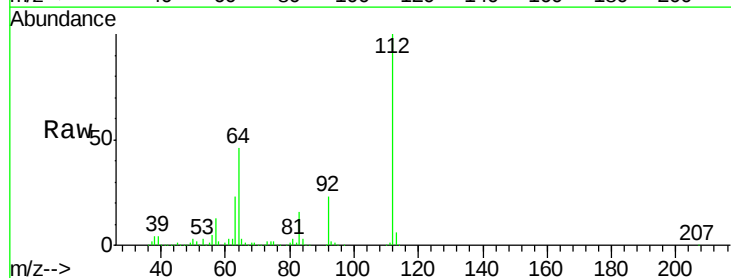
Tgt Ion:112 Resp: 412522

Ion Ratio Lower Upper

112 100

64 45.8 42.2 63.2

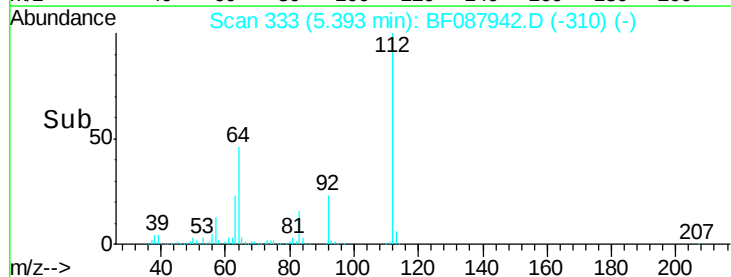
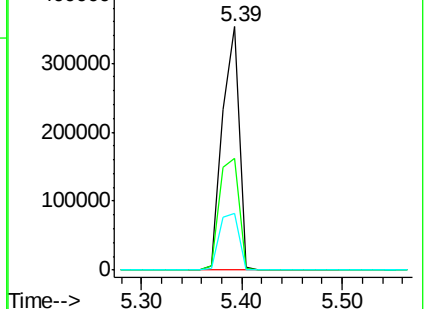
63 23.2 21.8 32.8

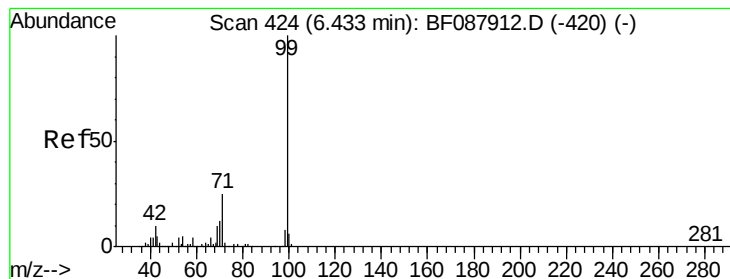


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.65 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

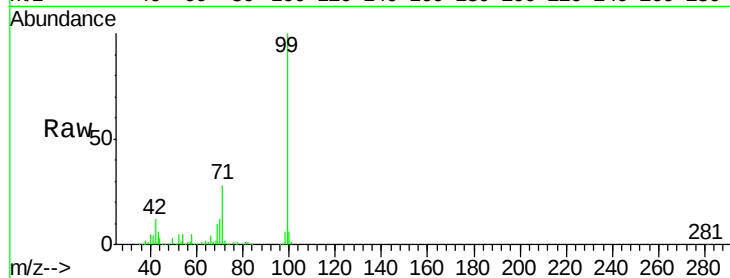
Tgt Ion: 99 Resp: 347623

Ion Ratio Lower Upper

99 100

42 12.3 12.2 18.2

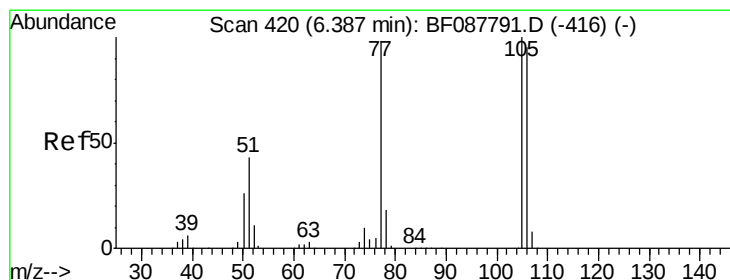
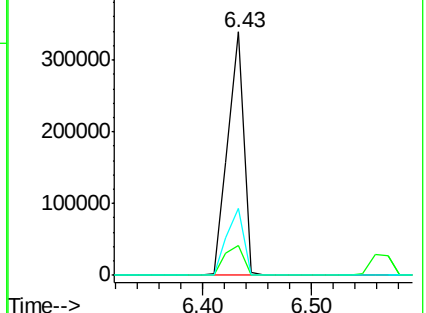
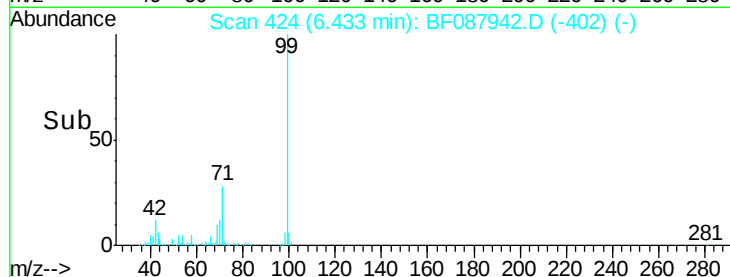
71 27.8 23.4 35.0



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: 2.85 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

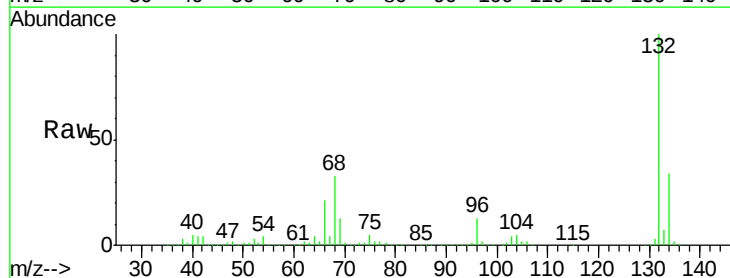
Tgt Ion: 77 Resp: 15825

Ion Ratio Lower Upper

77 100

105 85.5 90.6 130.6#

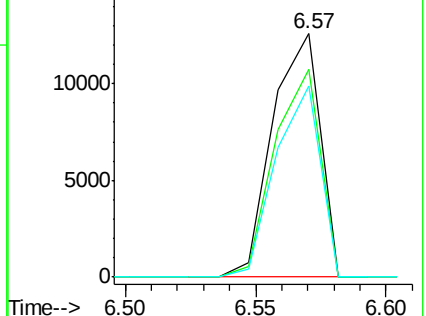
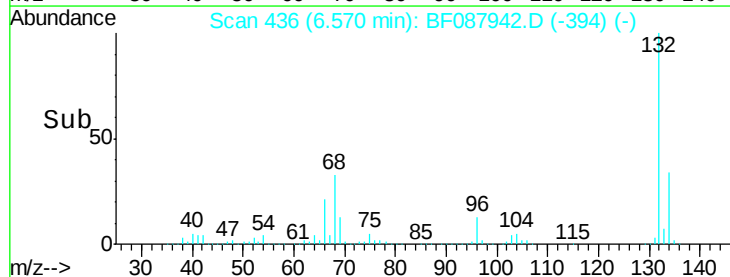
106 78.3 85.3 125.3#

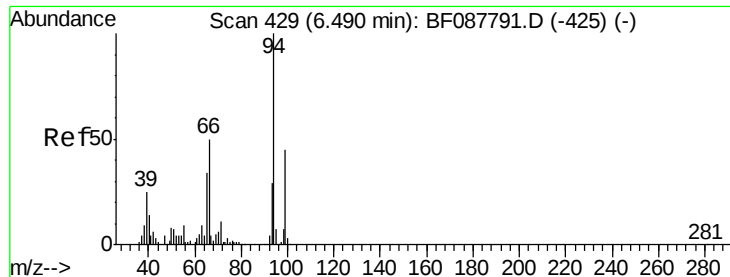


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

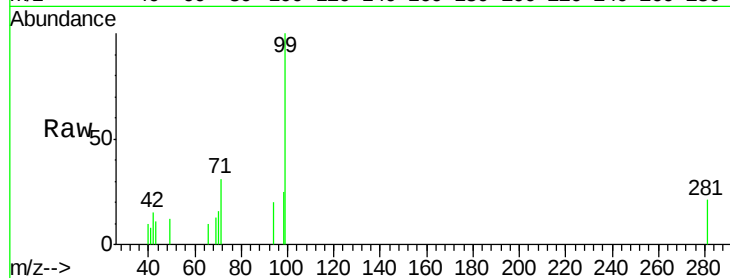
Tgt Ion: 94 Resp: 497

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

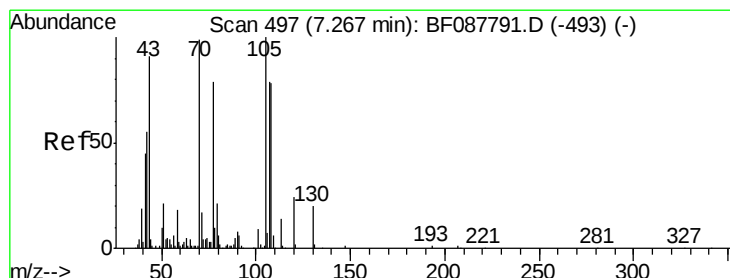
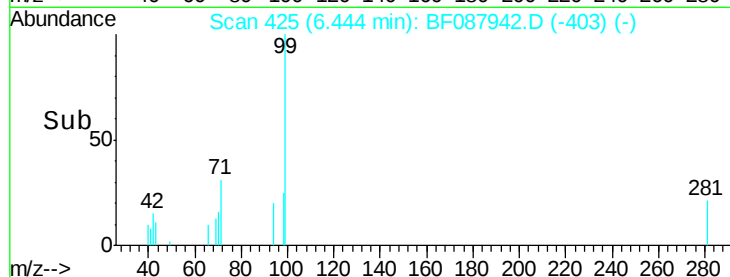
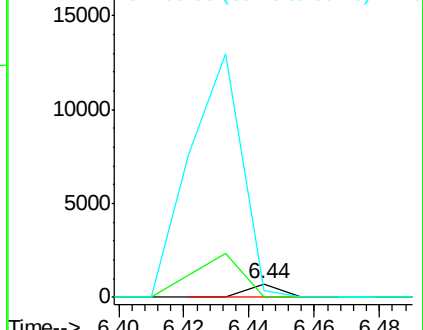
66 53.0 14.0 54.0



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: 18.34 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Tgt Ion: 70 Resp: 91345

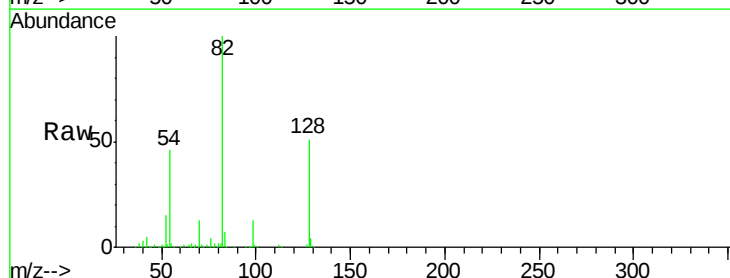
Ion Ratio Lower Upper

70 100

42 39.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

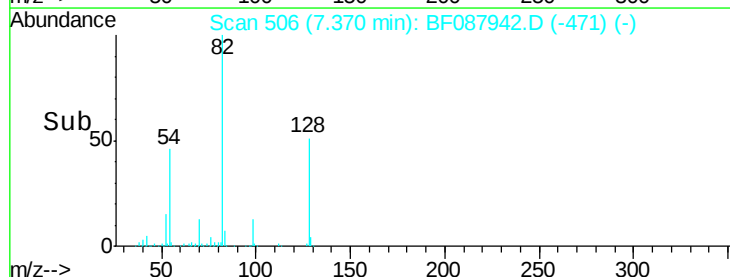
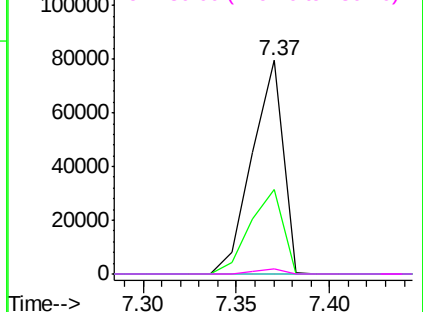


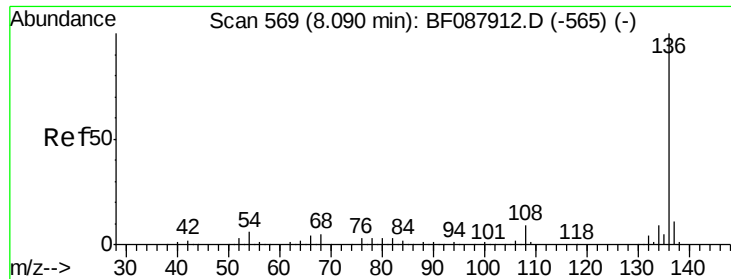
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

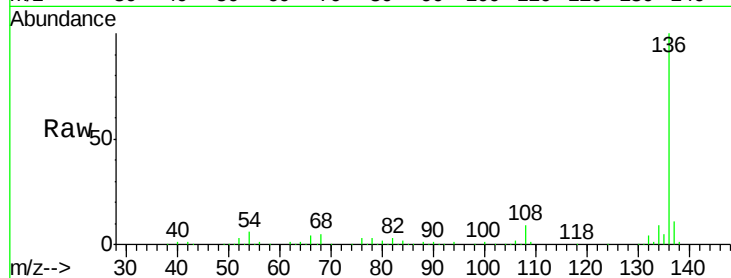




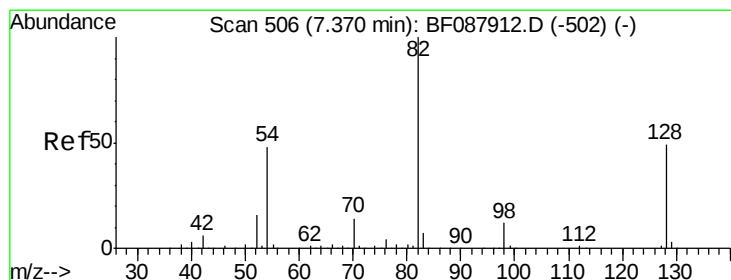
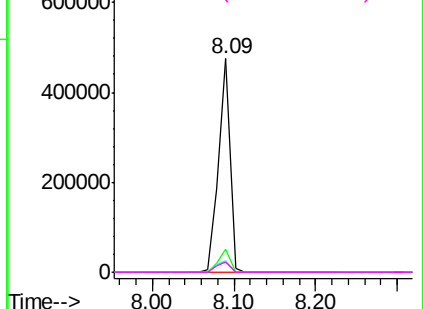
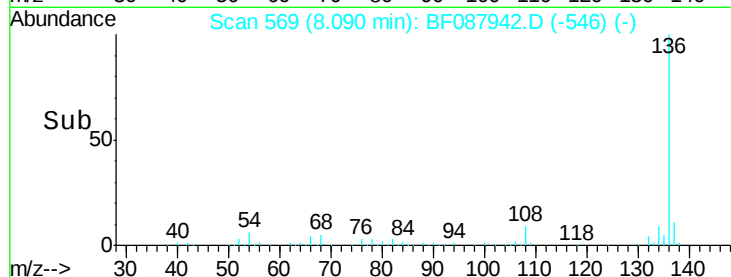
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

Tgt Ion:	136	Resp:	466157
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.5	6.6	10.0#
68	4.9	5.1	7.7#

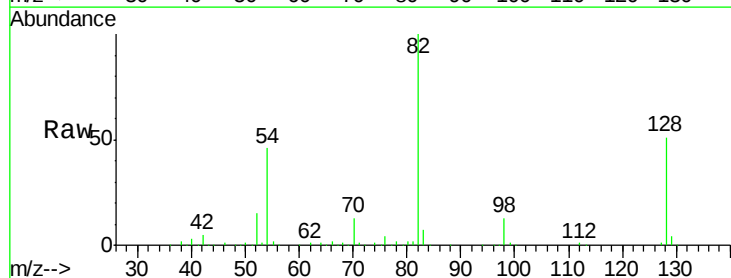


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

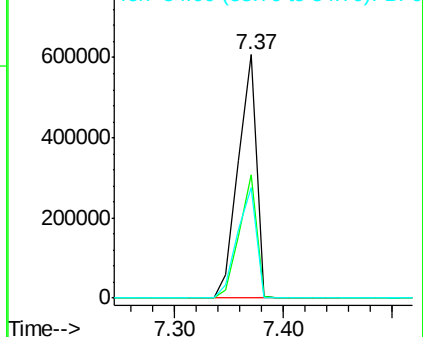
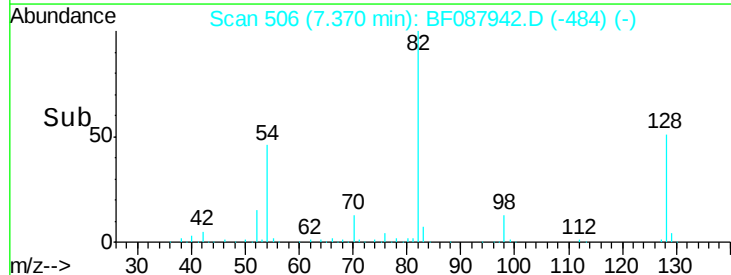


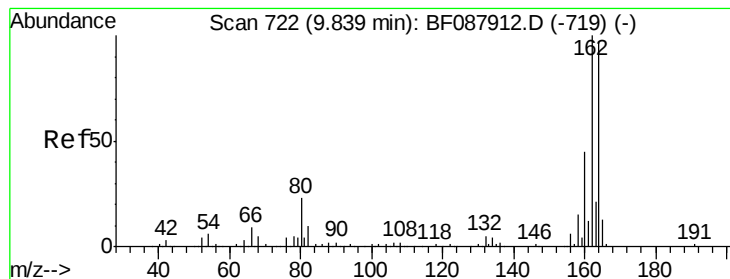
#23
Nitrobenzene-d5
Concen: 87.66 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Tgt Ion:	82	Resp:	699800
Ion	Ratio	Lower	Upper
82	100		
128	50.6	35.9	53.9
54	45.5	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

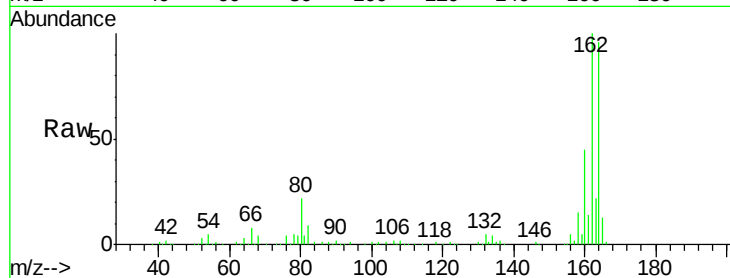
Tgt Ion:164 Resp: 217820

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.2

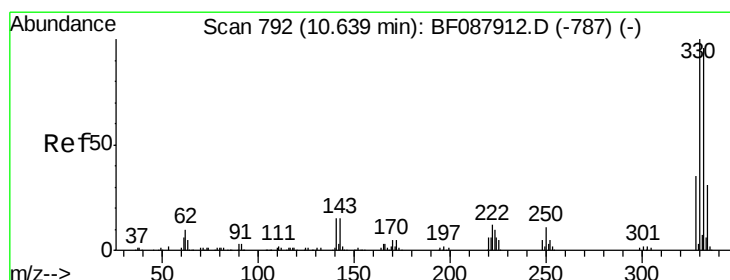
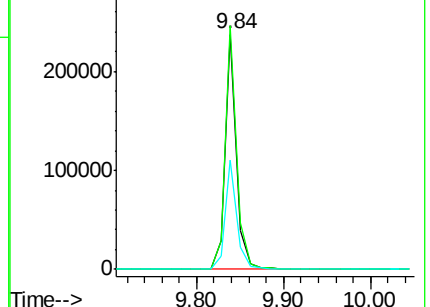
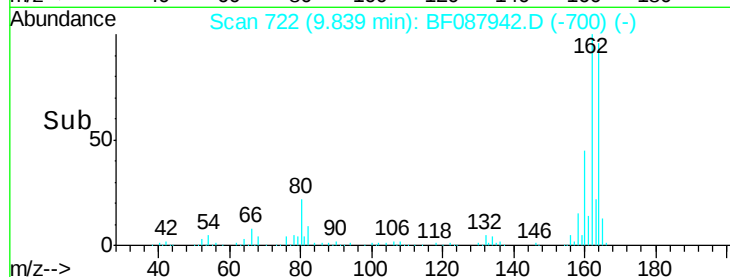
160 46.8 39.5 59.3



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: 106.13 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

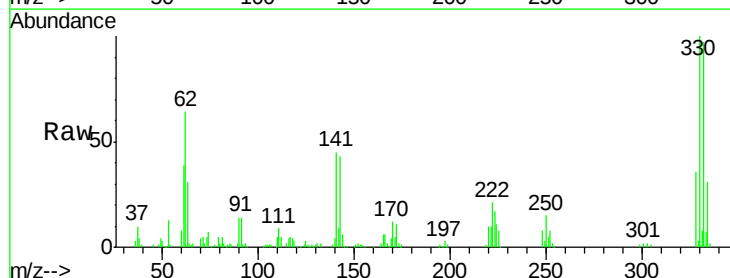
Tgt Ion:330 Resp: 244088

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

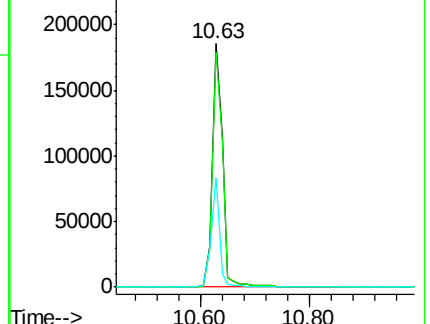
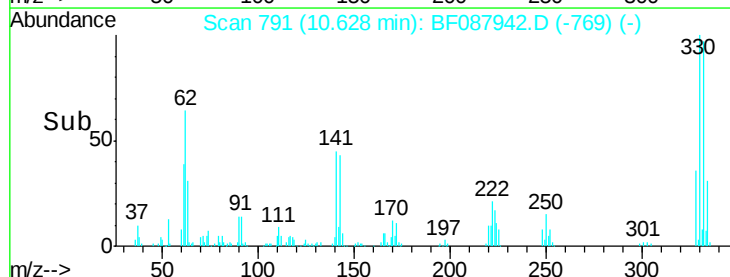
141 36.7 0.0 0.0#

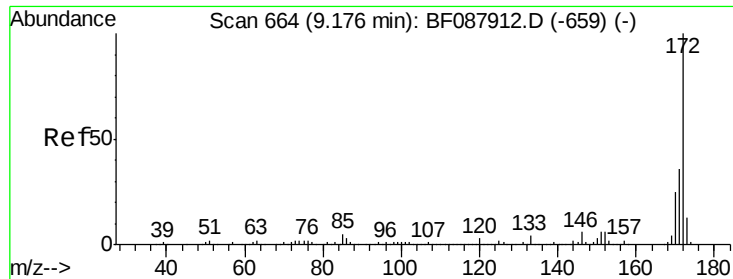


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

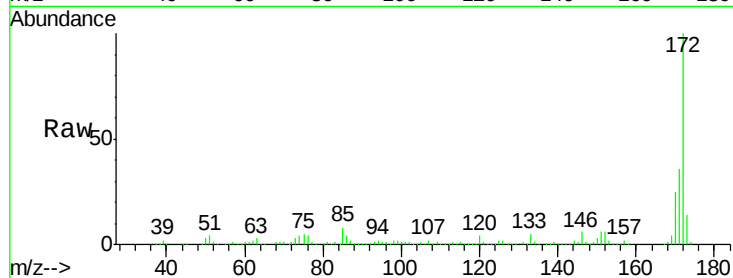




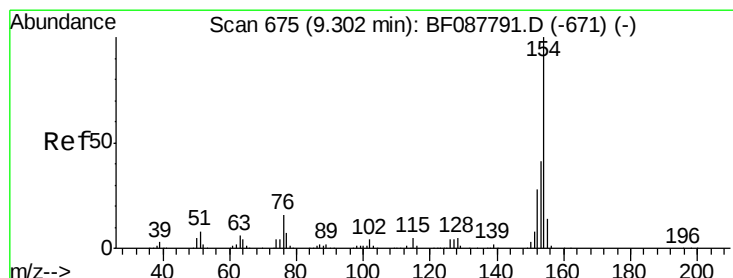
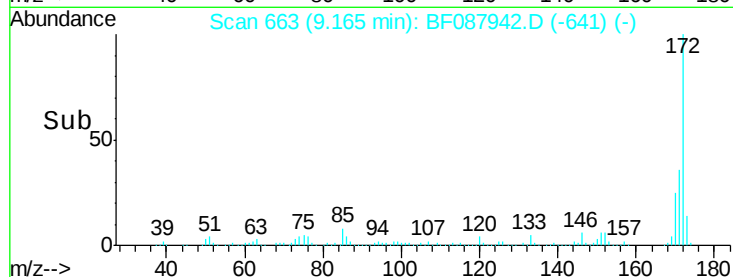
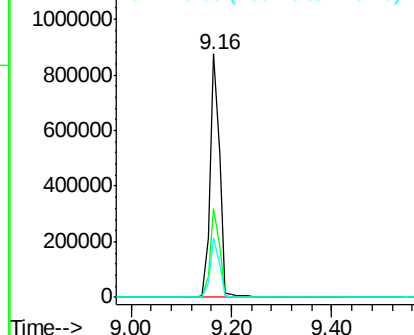
#44
 2-Fluorobiphenyl
 Concen: 82.32 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087942.D
 Acq: 12 Jun 2016 11:42

Instrument :
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Tgt Ion:172 Resp: 1143823
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.6 19.2 28.8

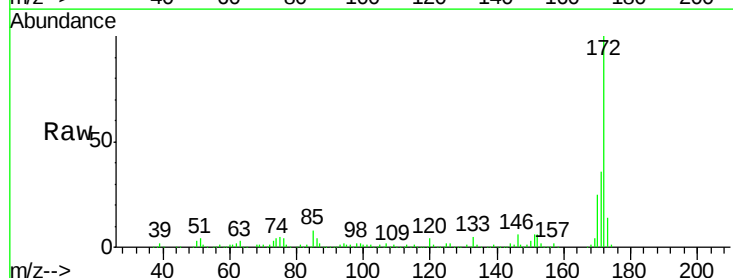


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

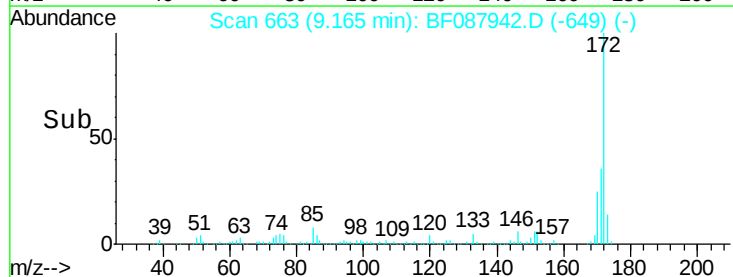
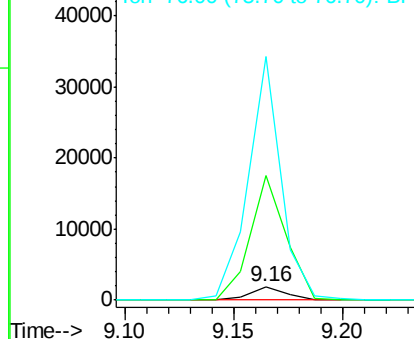


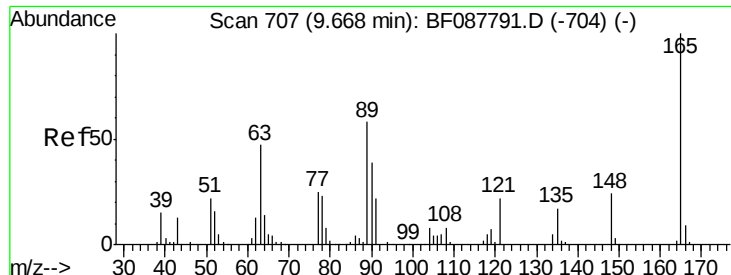
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087942.D
 Acq: 12 Jun 2016 11:42

Tgt Ion:154 Resp: 2221
 Ion Ratio Lower Upper
 154 100
 153 909.9 20.6 60.6#
 76 1771.5 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

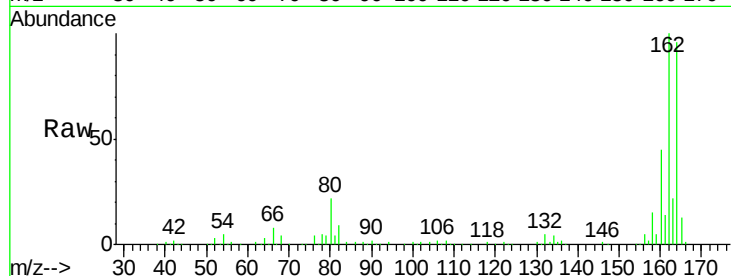




#50
 2,6-Dinitrotoluene
 Concen: 7.55 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087942.D
 Acq: 12 Jun 2016 11:42

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW2

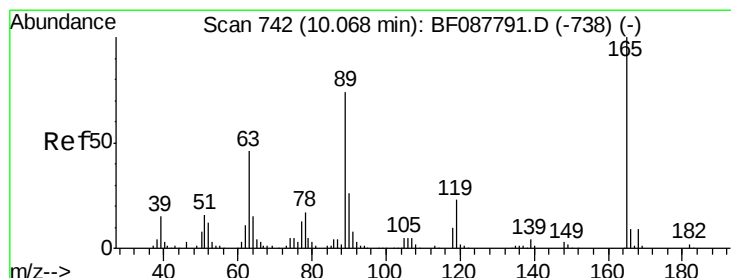
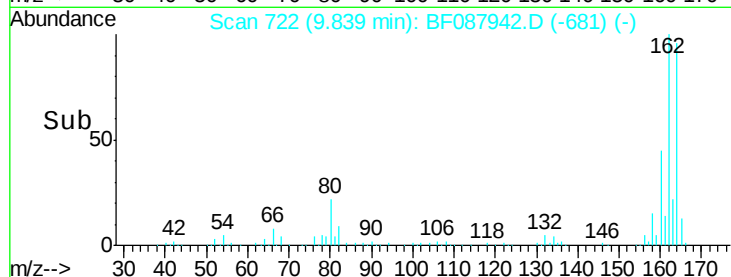
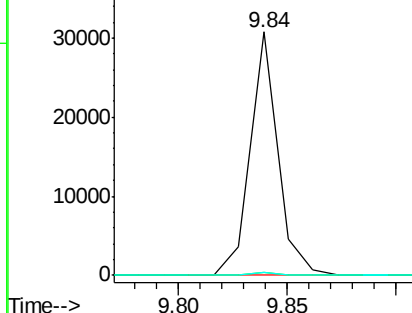
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.3	32.2	48.2#



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: 5.87 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087942.D
 Acq: 12 Jun 2016 11:42

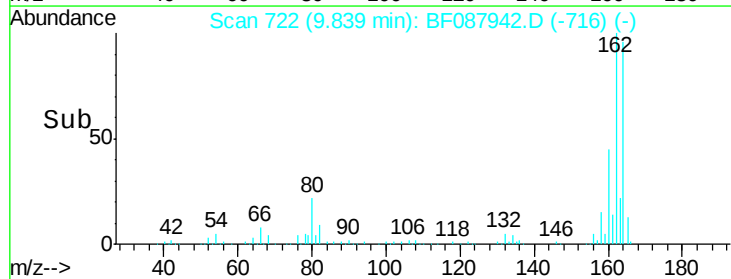
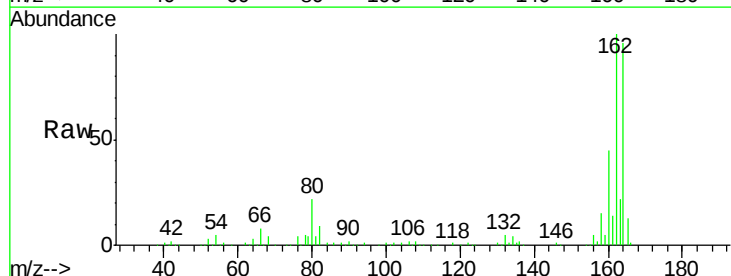
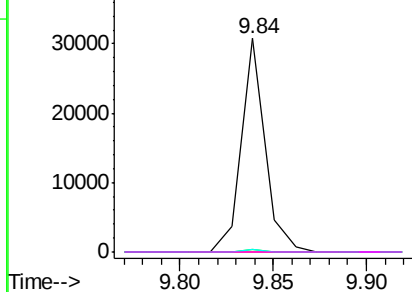
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

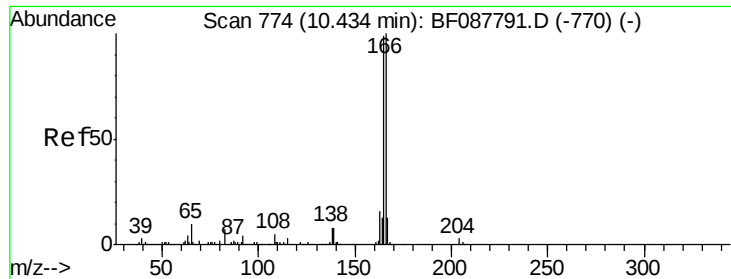
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW2

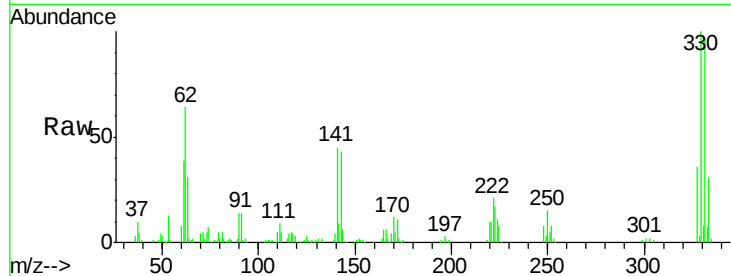
Tgt Ion:166 Resp: 11323

Ion Ratio Lower Upper

166 100

165 104.6 77.8 116.8

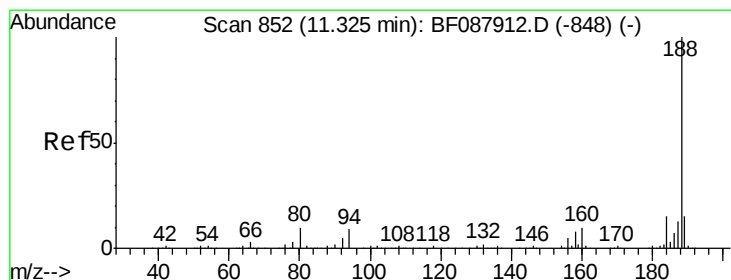
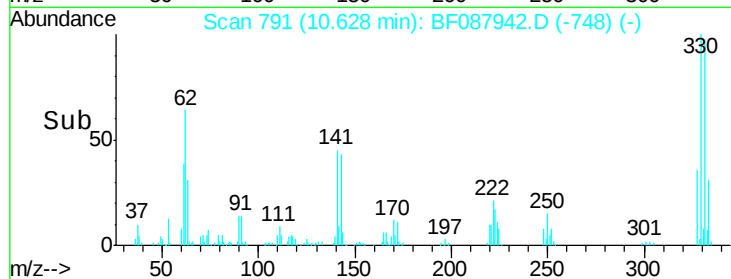
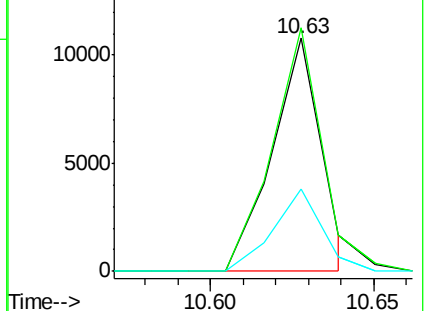
167 35.5 11.2 16.8#



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: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087942.D

Acq: 12 Jun 2016 11:42

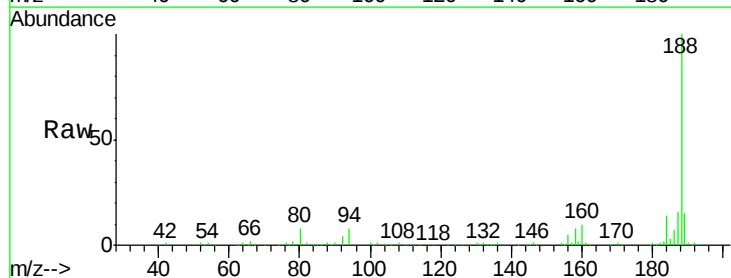
Tgt Ion:188 Resp: 428935

Ion Ratio Lower Upper

188 100

94 7.6 9.0 13.6#

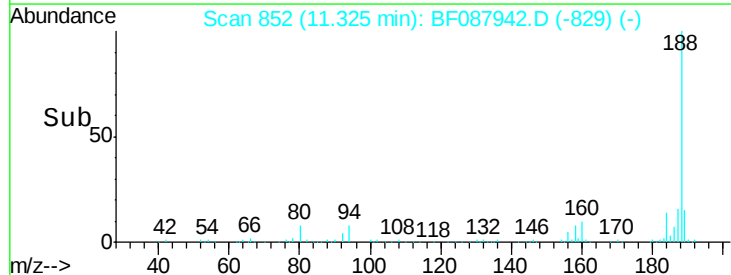
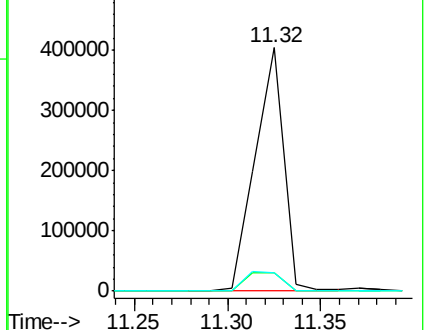
80 7.8 10.0 15.0#

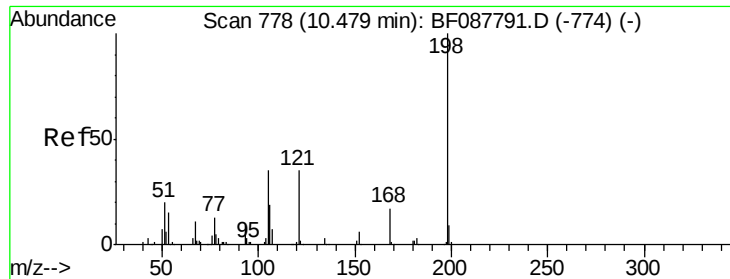


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

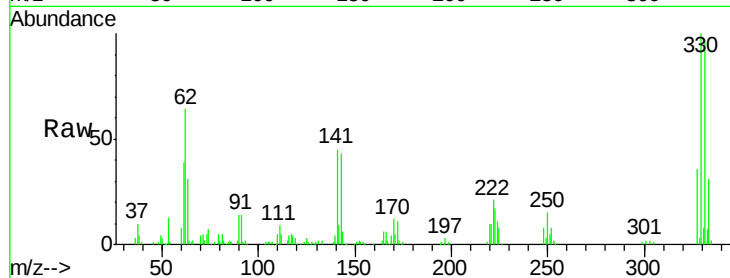




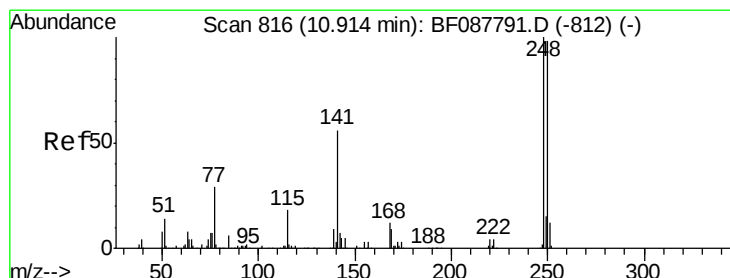
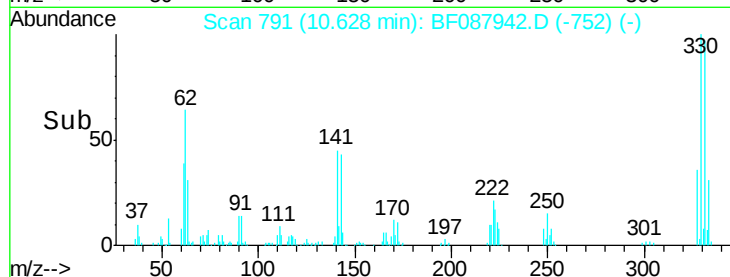
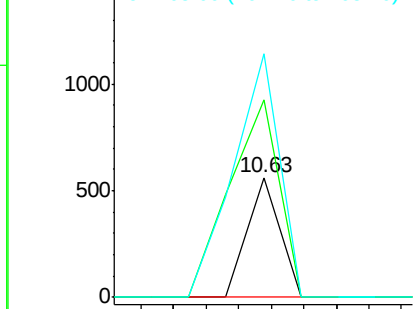
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

Tgt Ion:198 Resp: 385
Ion Ratio Lower Upper
198 100
51 165.1 39.6 79.6#
105 203.0 36.6 76.6#

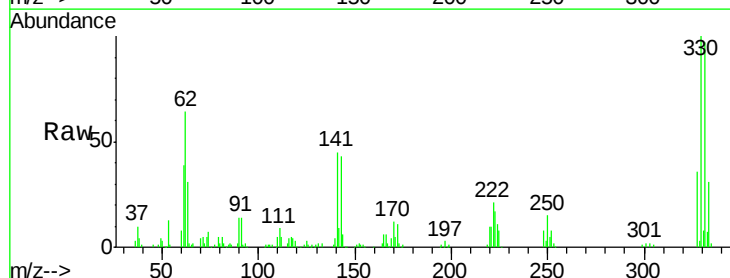


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

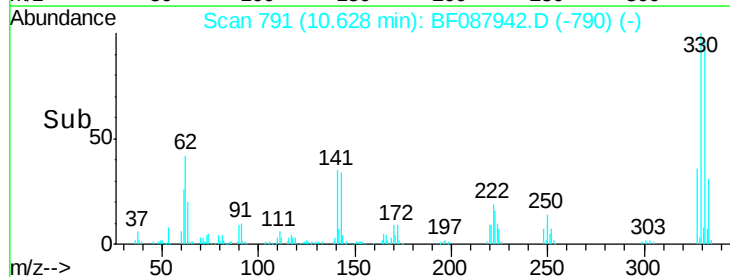
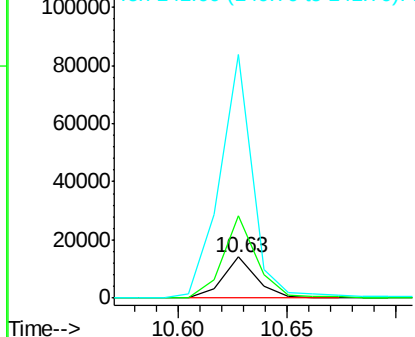


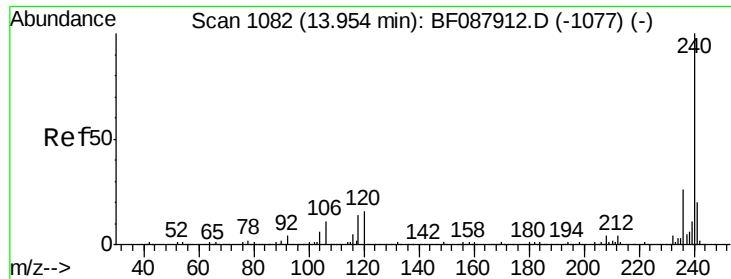
#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Tgt Ion:248 Resp: 14941
Ion Ratio Lower Upper
248 100
250 200.2 77.1 115.7#
141 591.8 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

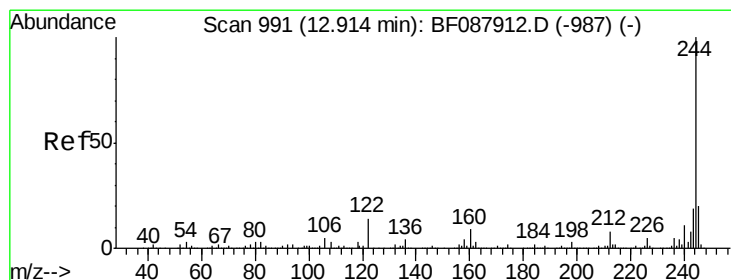
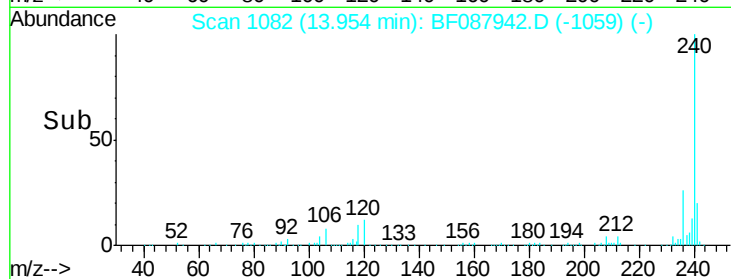
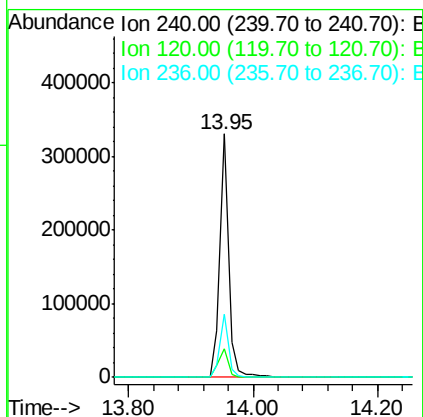
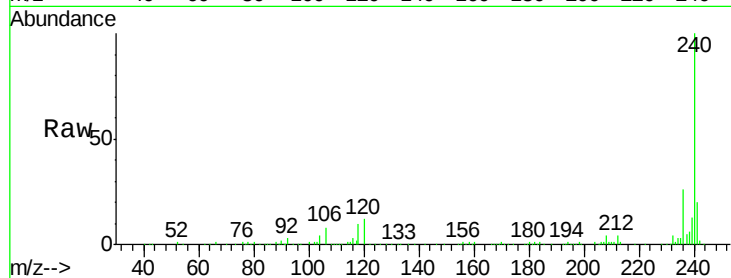




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

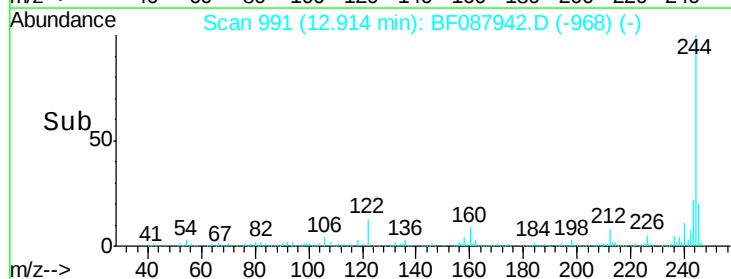
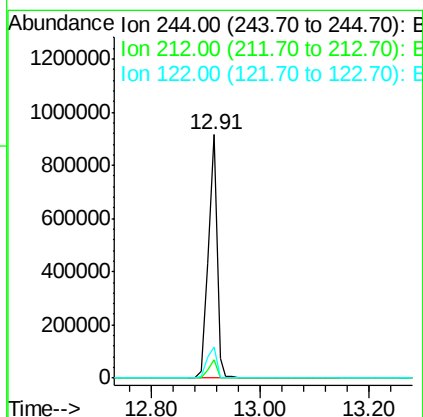
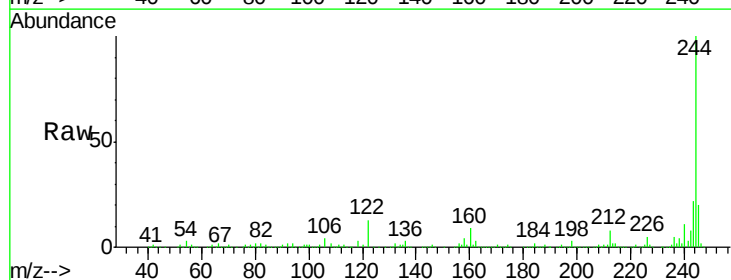
Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

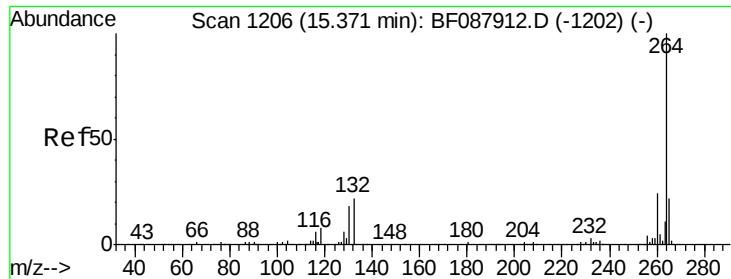
Tgt Ion:240 Resp: 320852
Ion Ratio Lower Upper
240 100
120 11.9 6.8 10.2#
236 25.7 20.2 30.2



#78
Terphenyl-d14
Concen: 71.51 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Tgt Ion:244 Resp: 1008229
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 12.8 11.2 16.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087942.D
Acq: 12 Jun 2016 11:42

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW2

Tgt Ion: 264 Resp: 242974
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.2 16.9 25.3

