

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084998.D
 Acq On : 10 Feb 2016 17:40
 Operator : SJ/IZ
 Sample : H1386-04RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(1-3)RE

Quant Time: Feb 11 00:21:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

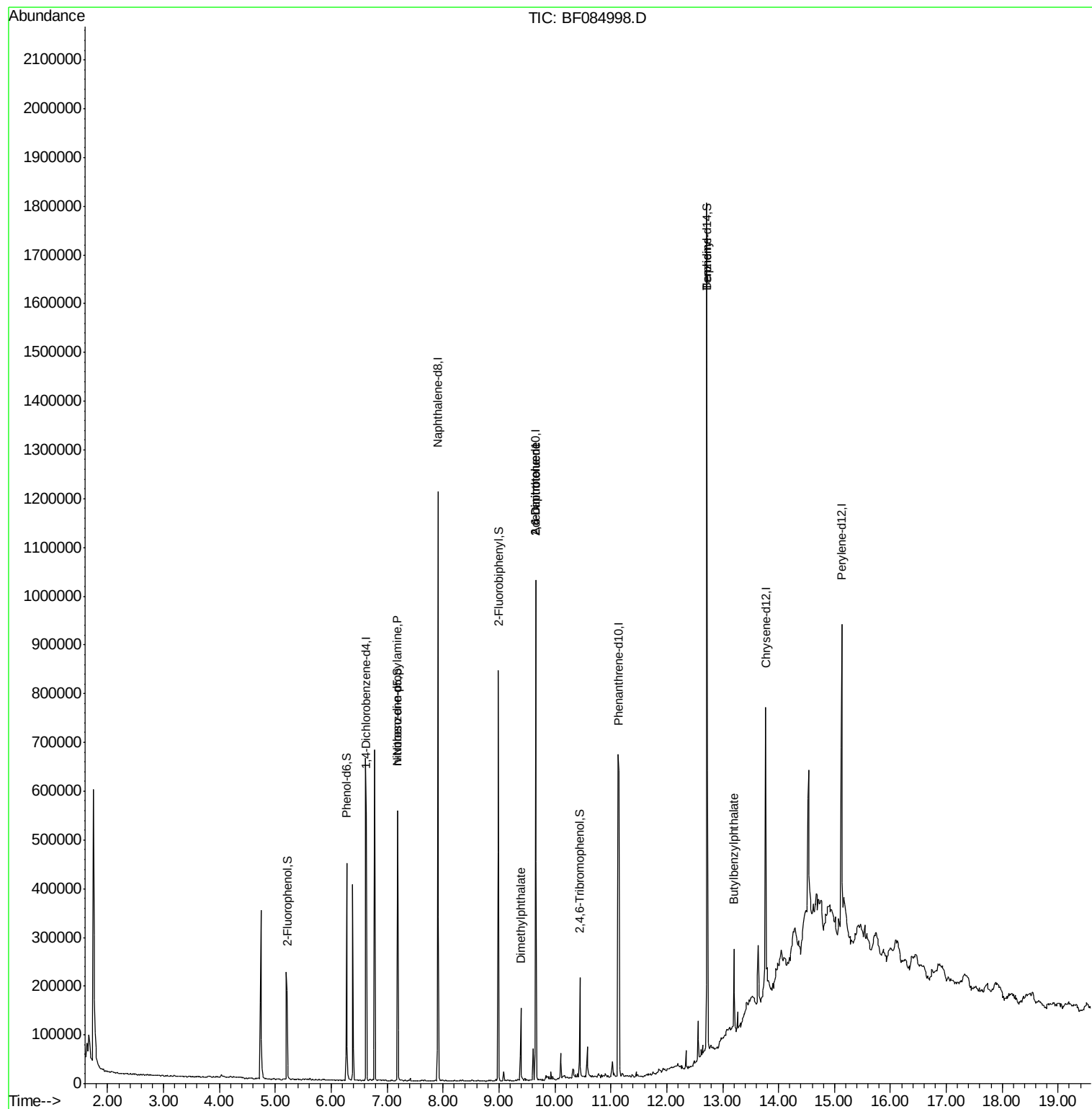
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	136762	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	546643	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	219892	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	364238	20.00	ng	0.00
75) Chrysene-d12	13.77	240	295096	20.00	ng	0.00
86) Perylene-d12	15.13	264	282109	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	90606	10.32	ng	0.01
7) Phenol-d6	6.27	99	148319	13.63	ng	-0.01
23) Nitrobenzene-d5	7.19	82	162901	16.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	21323	9.30	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	320067	18.73	ng	0.00
78) Terphenyl-d14	12.72	244	551985	42.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	21288	3.12	ng	# 70
49) Dimethylphthalate	9.39	163	63381	3.78	ng	# 91
50) 2,6-Dinitrotoluene	9.66	165	27602	7.54	ng	# 38
56) 2,4-Dinitrotoluene	9.66	165	27602	5.91	ng	# 22
76) Benzidine	12.72	184	8144	7.41	ng	97
79) Butylbenzylphthalate	13.20	149	39858	3.89	ng	88

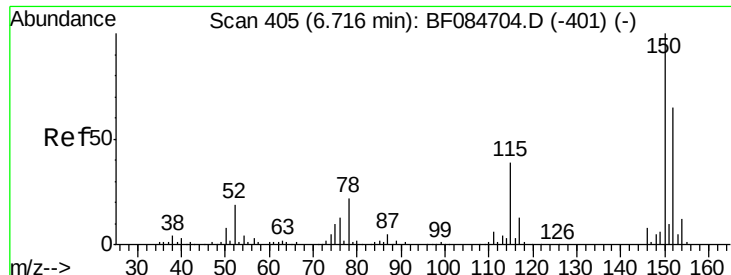
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF084998.D

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Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)RE

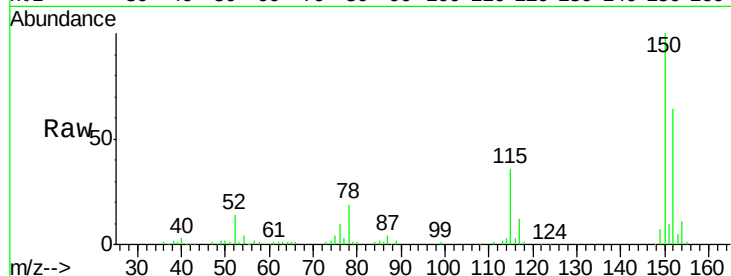
Tgt Ion:152 Resp: 136762

Ion Ratio Lower Upper

152 100

150 155.3 123.0 184.4

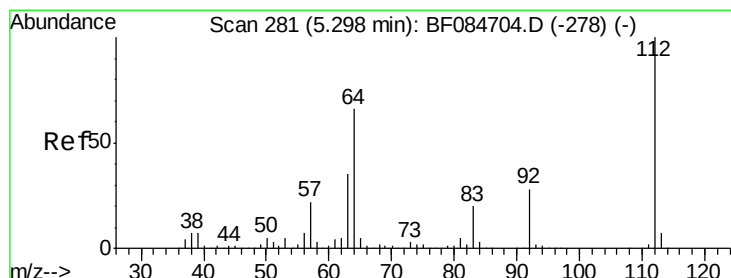
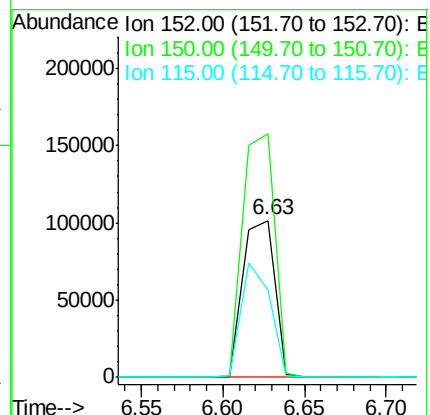
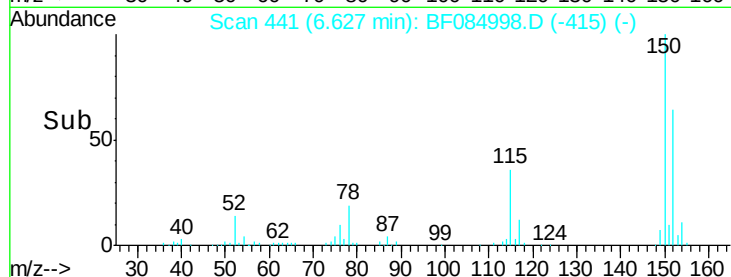
115 55.4 51.4 77.2



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: 10.32 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

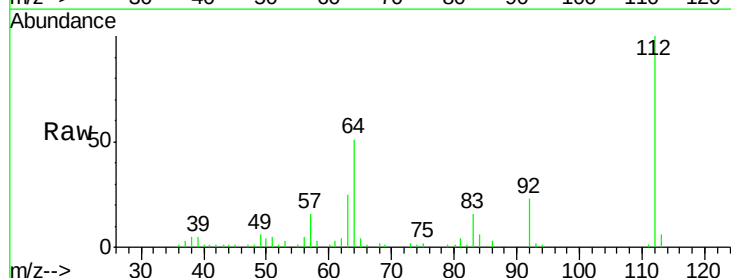
Tgt Ion:112 Resp: 90606

Ion Ratio Lower Upper

112 100

64 51.3 36.6 55.0

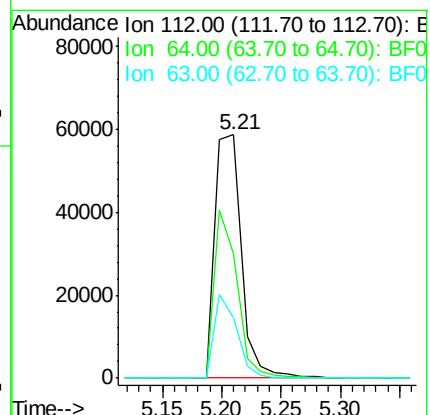
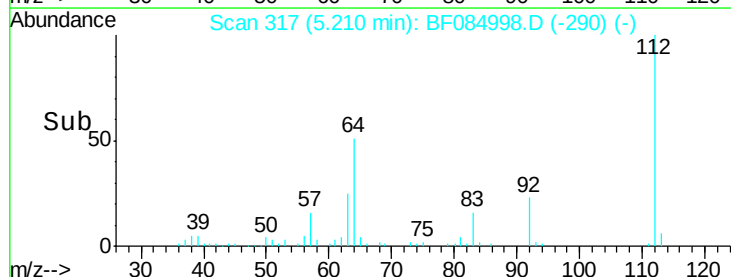
63 24.7 19.4 29.0

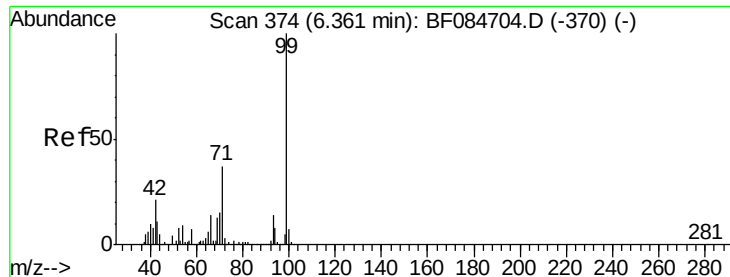


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.63 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)RE

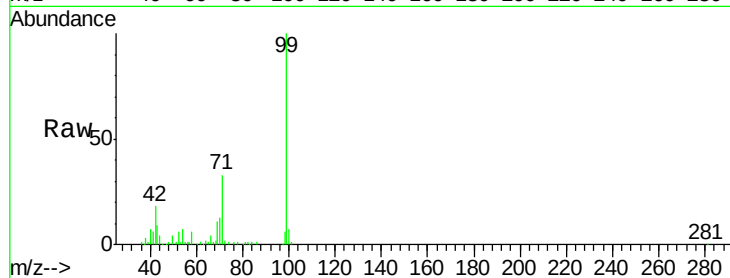
Tgt Ion: 99 Resp: 148319

Ion Ratio Lower Upper

99 100

42 17.8 12.8 19.2

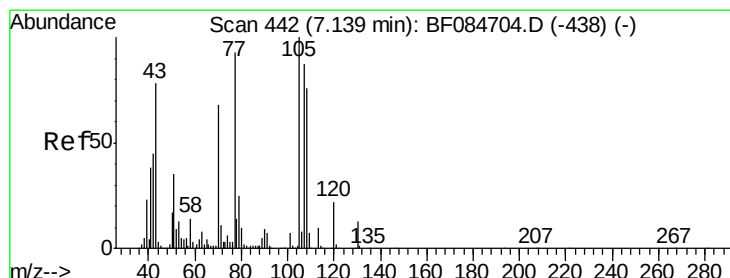
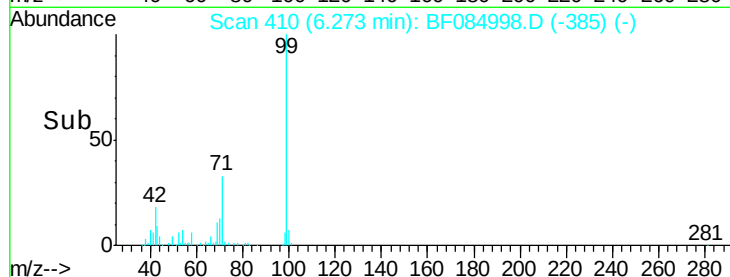
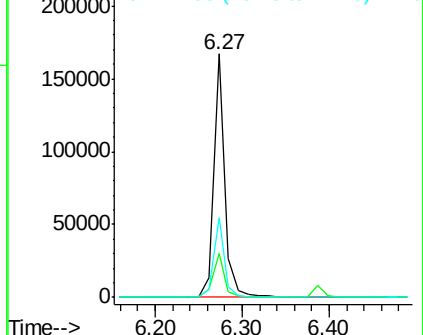
71 32.6 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.12 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.13 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

Tgt Ion: 70 Resp: 21288

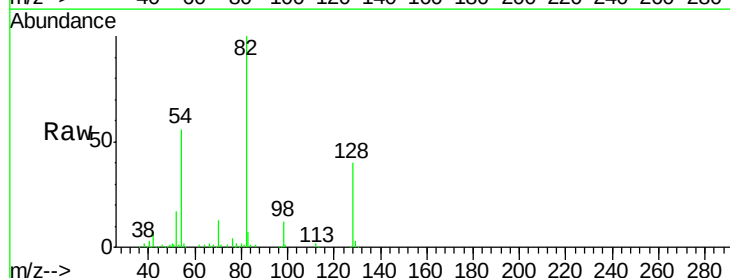
Ion Ratio Lower Upper

70 100

42 50.3 33.3 49.9#

101 0.0 9.3 13.9#

130 1.4 23.4 35.0#

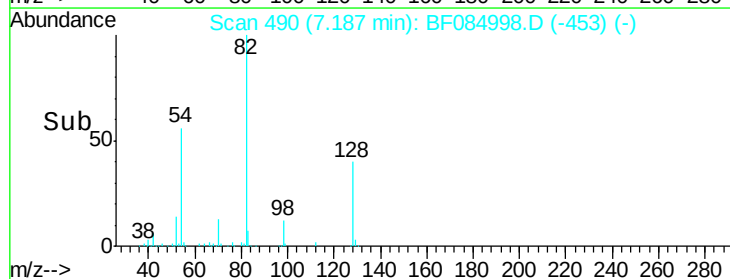
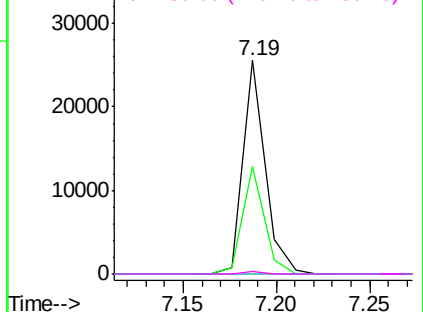


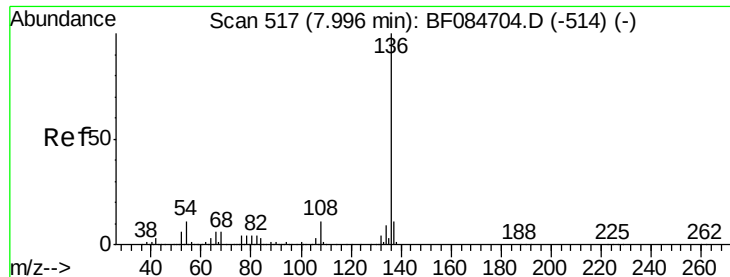
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

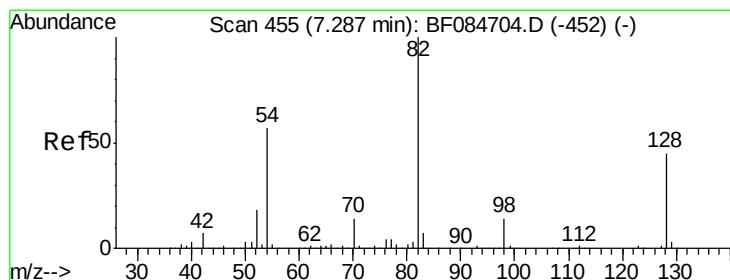
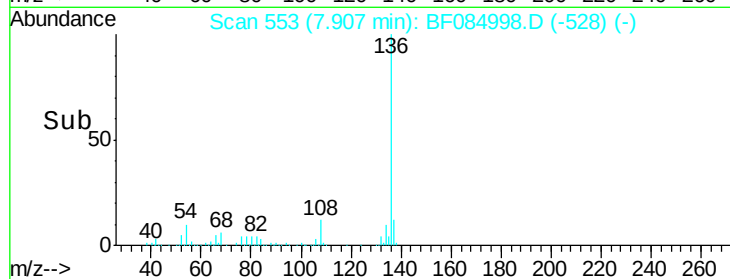
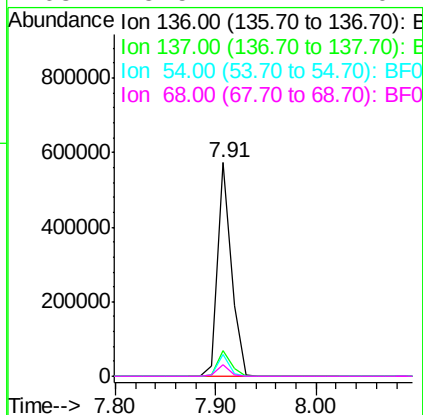
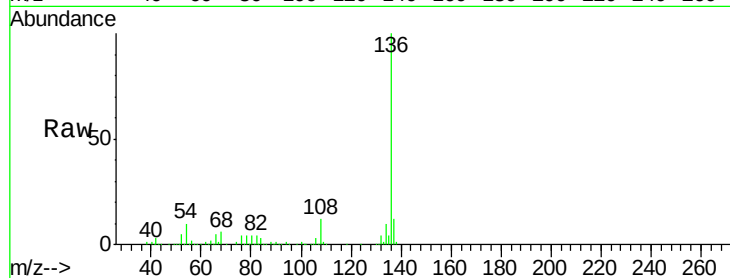




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF084998.D
Acq: 10 Feb 2016 17:40

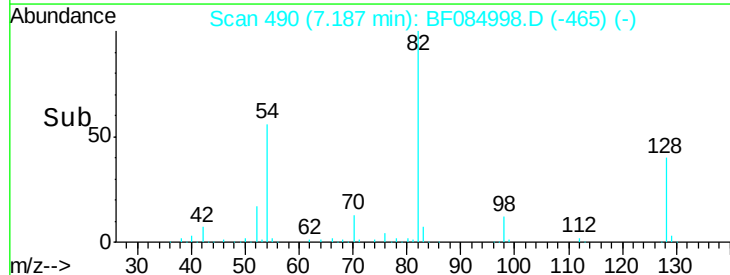
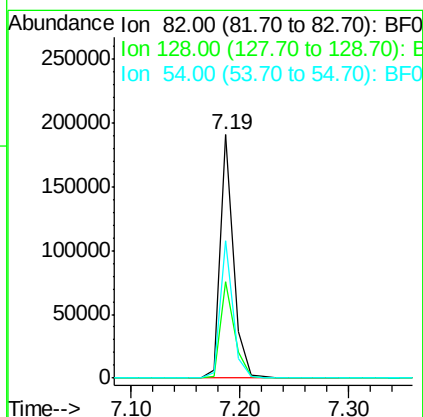
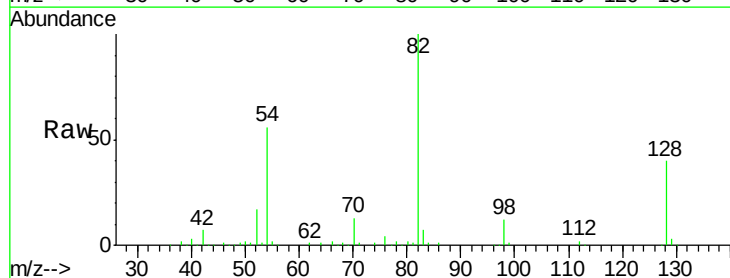
Instrument :
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S4-B018(1-3)RE

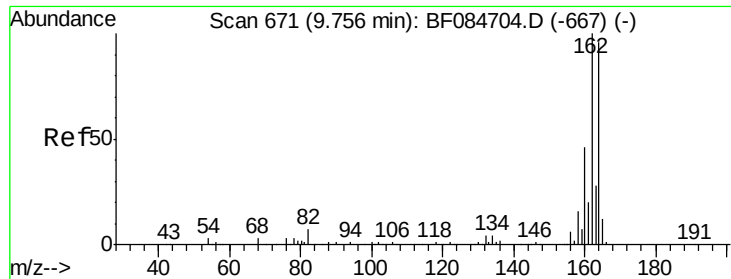
Tgt Ion:	136	Resp:	546643
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	10.2	5.8	8.8#
68	5.5	4.2	6.2



#23
Nitrobenzene-d5
Concen: 16.79 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF084998.D
Acq: 10 Feb 2016 17:40

Tgt Ion:	82	Resp:	162901
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.6	51.8
54	56.5	38.4	57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)RE

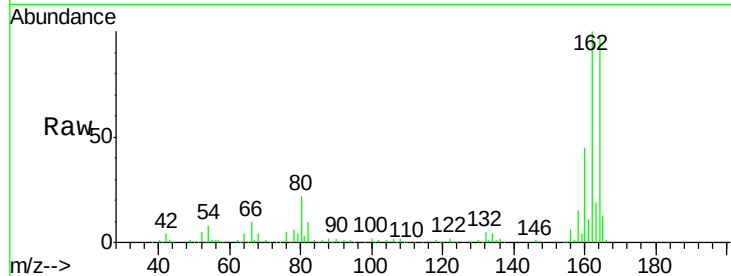
Tgt Ion:164 Resp: 219892

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

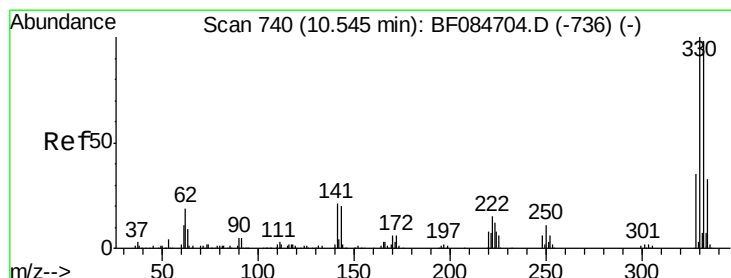
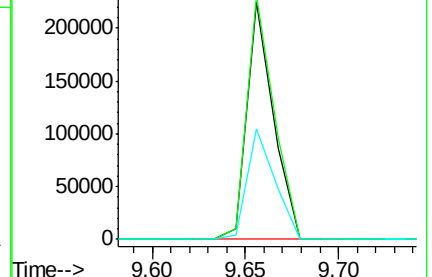
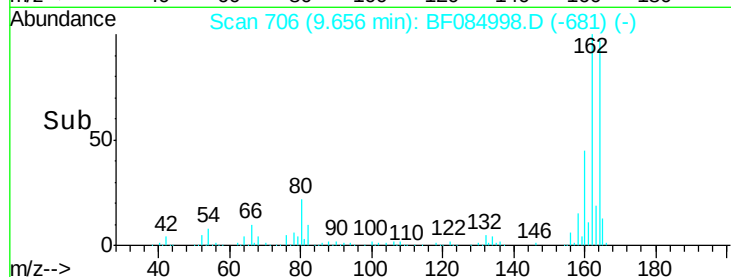
160 46.6 37.5 56.3



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: 9.30 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

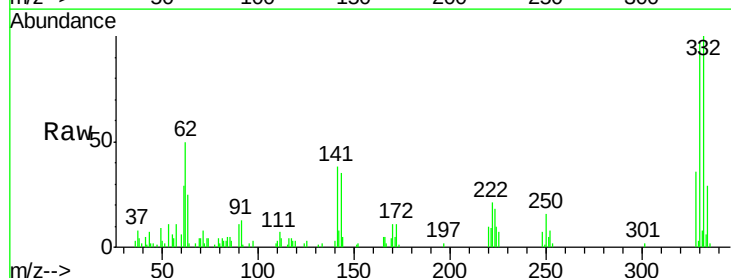
Tgt Ion:330 Resp: 21323

Ion Ratio Lower Upper

330 100

332 104.0 76.6 114.8

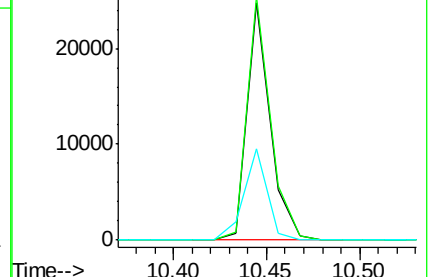
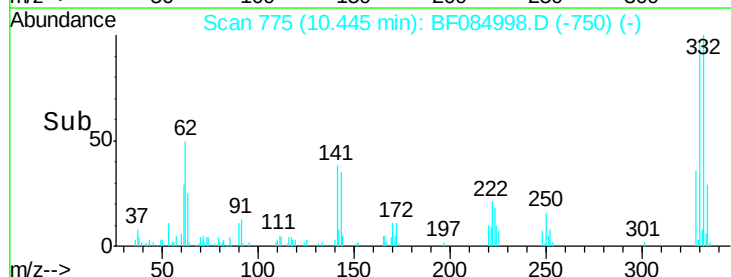
141 39.0 27.8 41.6

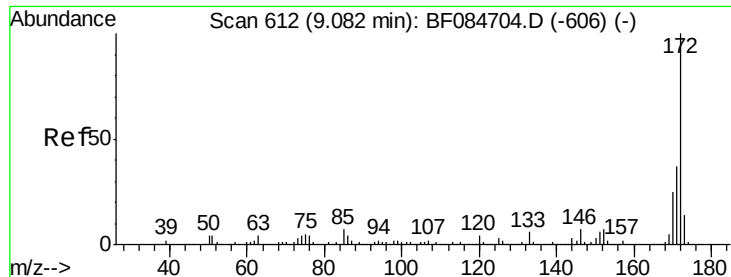


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

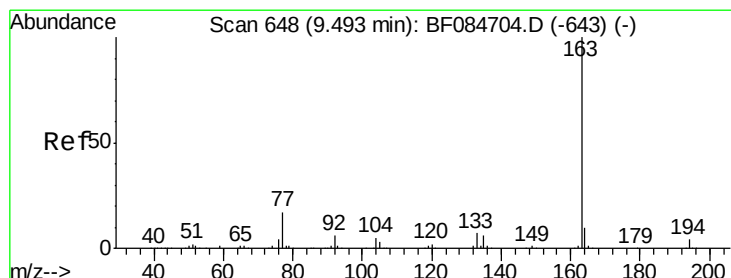
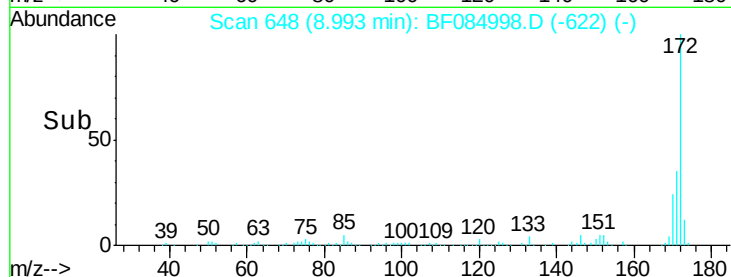
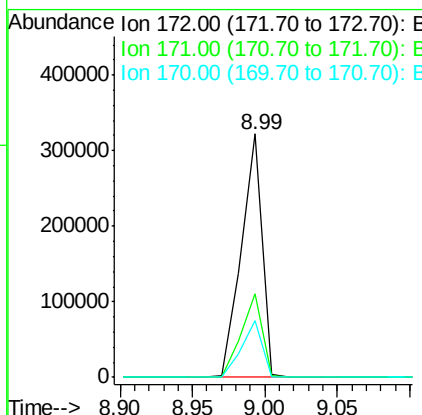
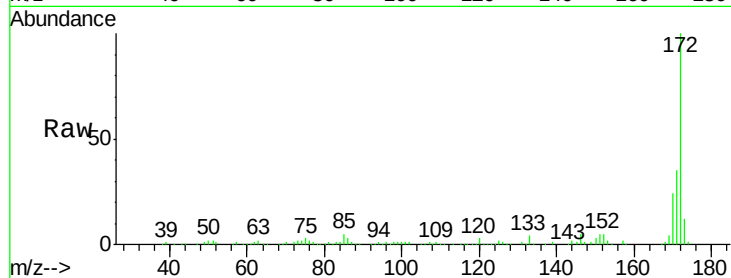




#44
 2-Fluorobiphenyl
 Concen: 18.73 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF084998.D
 Acq: 10 Feb 2016 17:40

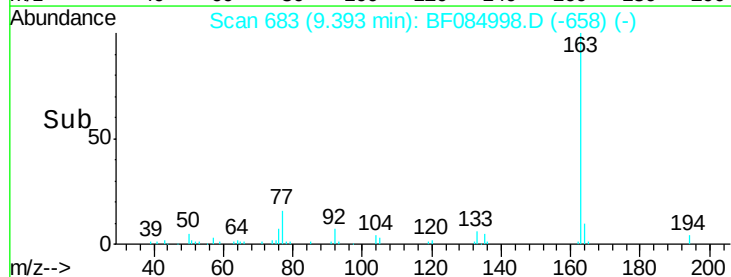
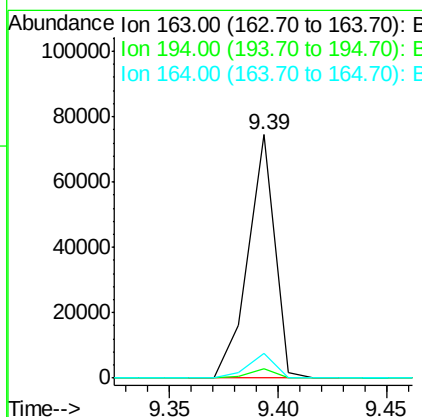
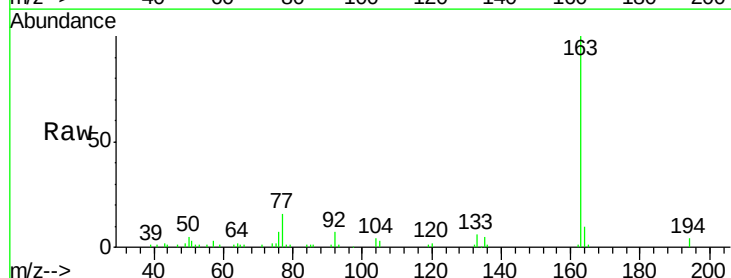
Instrument :
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 S4-B018(1-3)RE

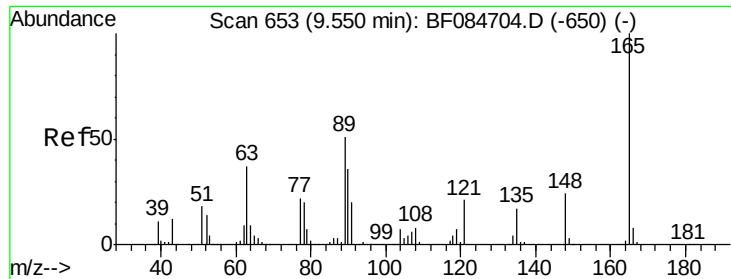
Tgt Ion:172 Resp: 320067
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 23.5 18.6 27.8



#49
 Dimethylphthalate
 Concen: 3.78 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF084998.D
 Acq: 10 Feb 2016 17:40

Tgt Ion:163 Resp: 63381
 Ion Ratio Lower Upper
 163 100
 194 3.9 8.0 12.0#
 164 10.3 8.0 12.0

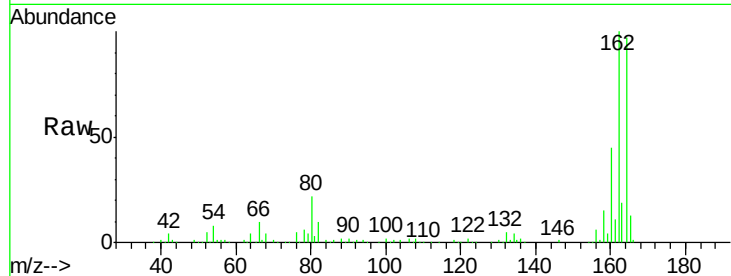




#50
 2,6-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.18 min
 Lab File: BF084998.D
 Acq: 10 Feb 2016 17:40

Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(1-3)RE

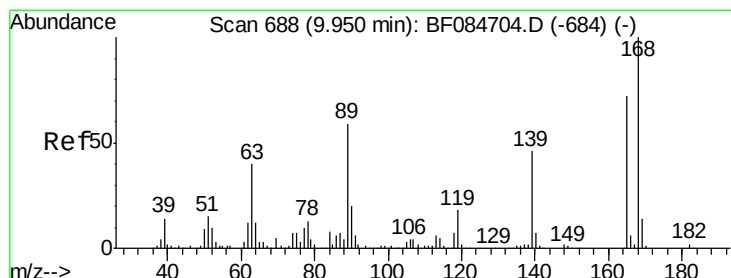
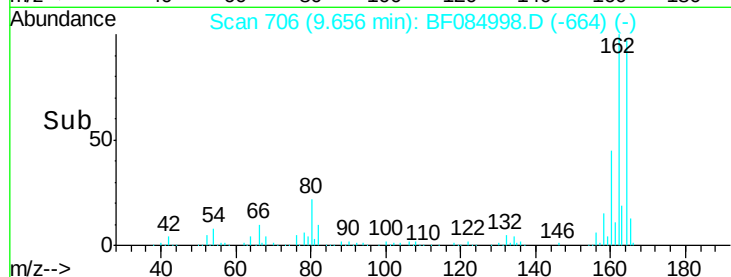
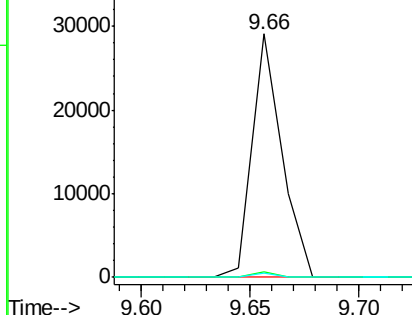
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	28.8	43.2#
89	1.6	35.1	52.7#



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: 5.91 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.22 min
 Lab File: BF084998.D
 Acq: 10 Feb 2016 17:40

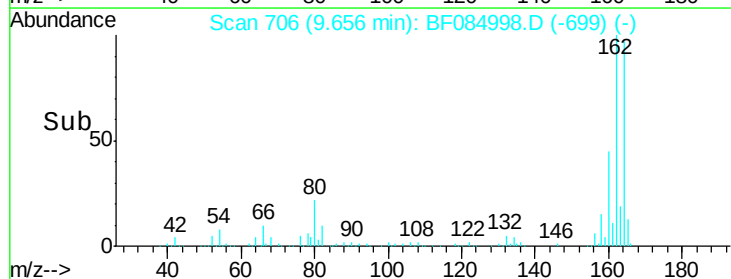
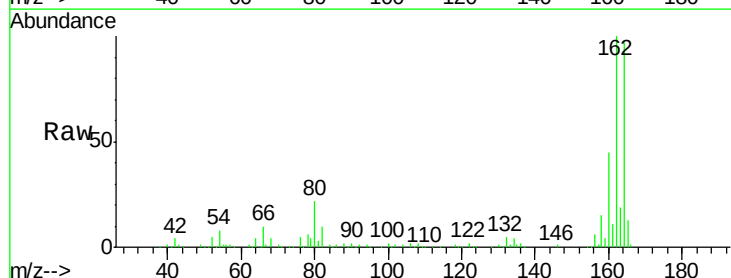
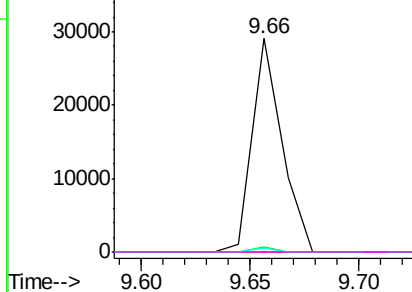
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

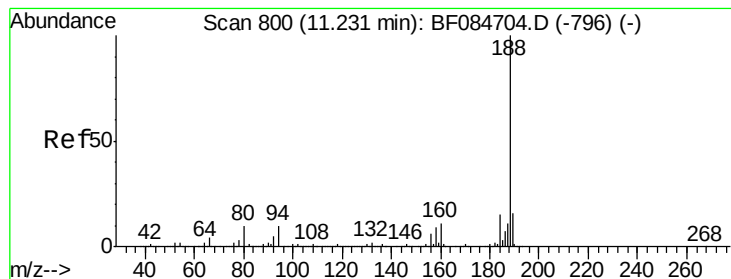
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

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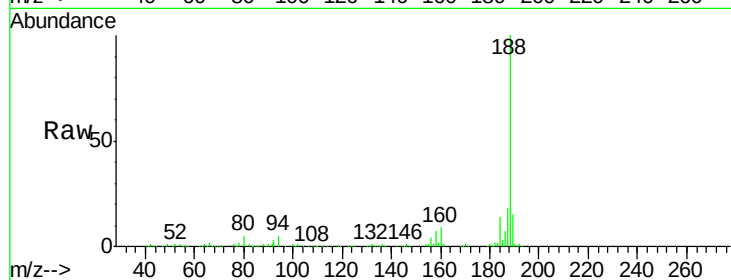
Tgt Ion:188 Resp: 364238

Ion Ratio Lower Upper

188 100

94 5.4 9.0 13.4#

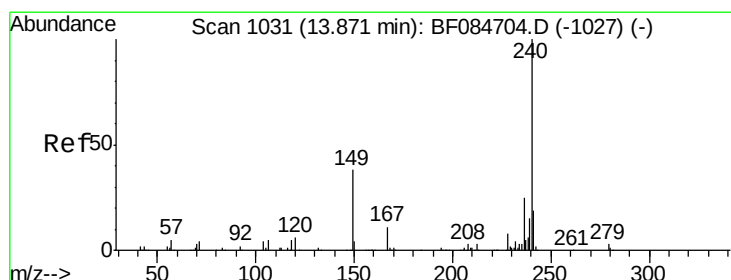
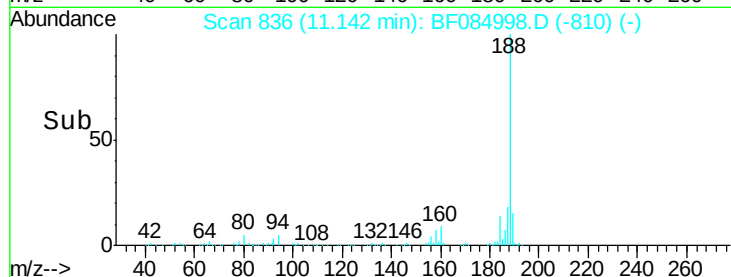
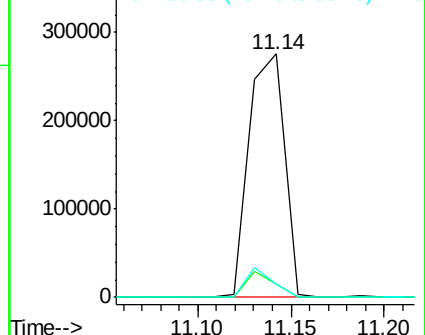
80 5.3 9.6 14.4#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

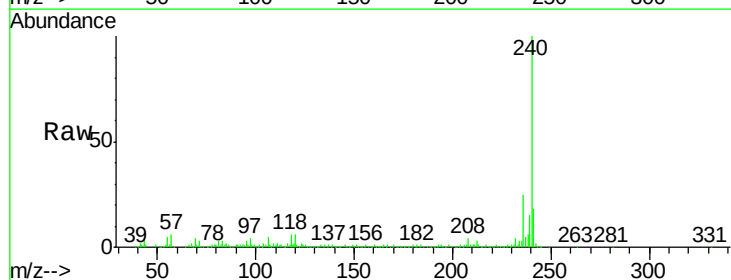
Tgt Ion:240 Resp: 295096

Ion Ratio Lower Upper

240 100

120 5.9 9.5 14.3#

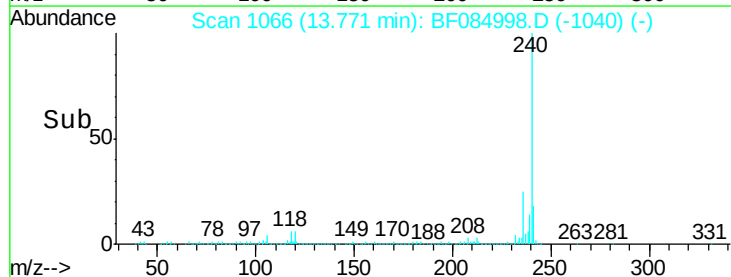
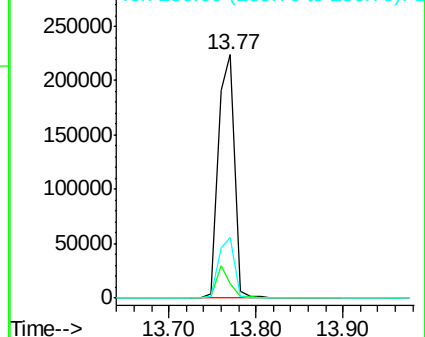
236 24.9 20.6 31.0

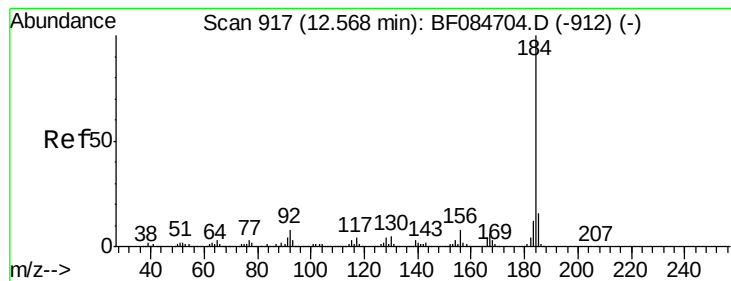


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.41 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.24 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

Instrument :

BNA_F

ClientSampleId :

S4-B018(1-3)RE

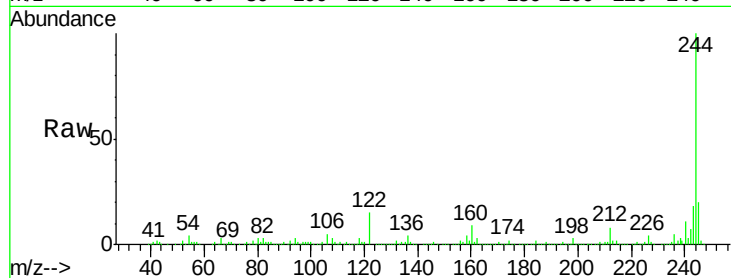
Tgt Ion:184 Resp: 8144

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

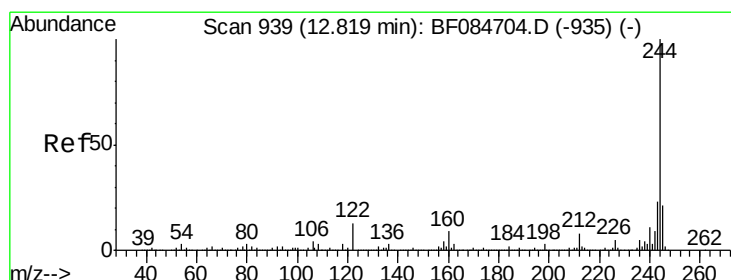
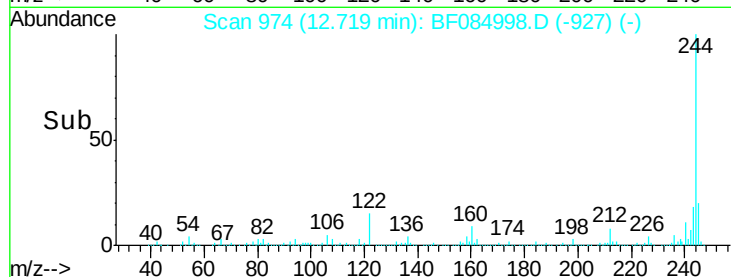
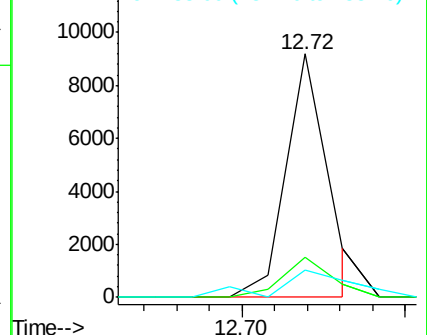
183 11.3 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 42.39 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF084998.D

Acq: 10 Feb 2016 17:40

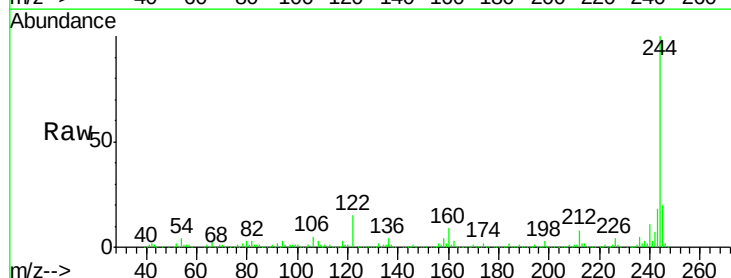
Tgt Ion:244 Resp: 551985

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

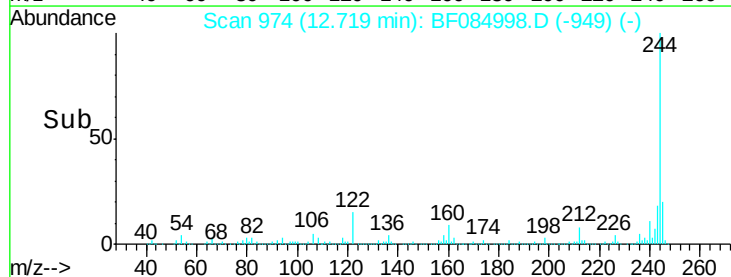
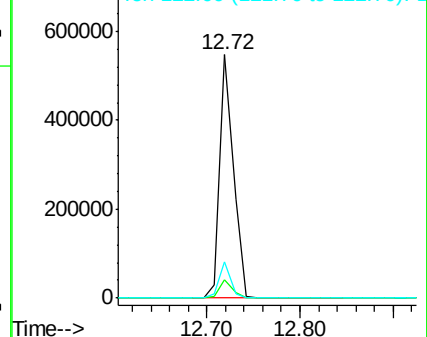
122 14.7 7.4 11.0#

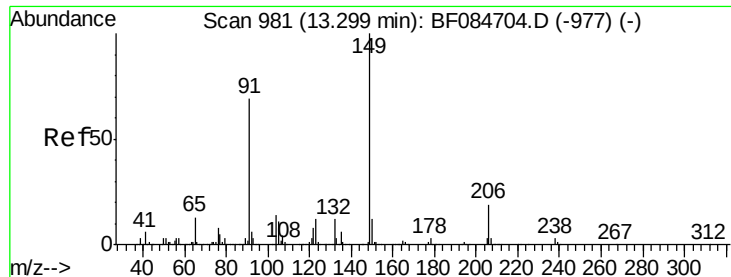


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

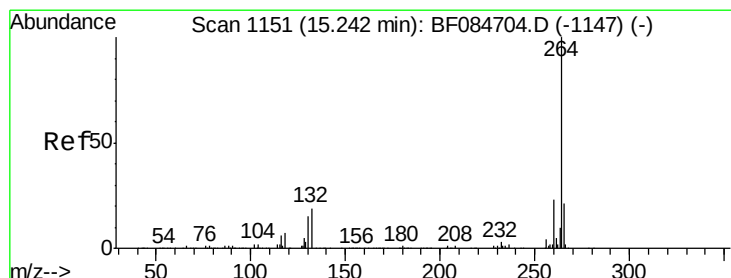
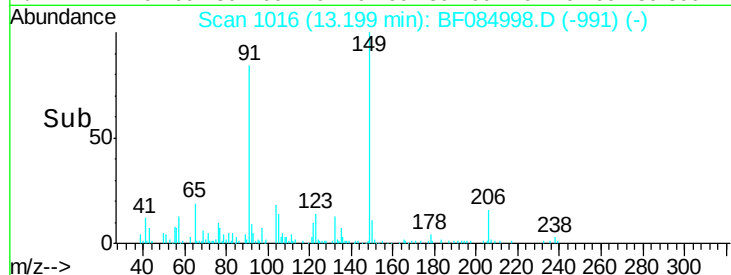
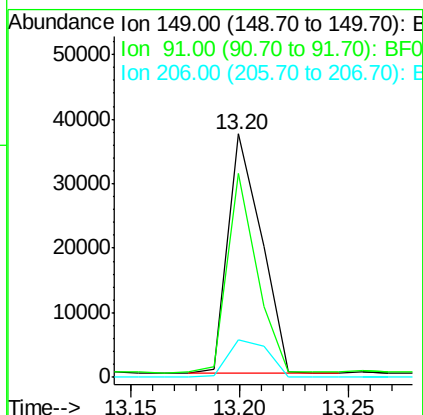
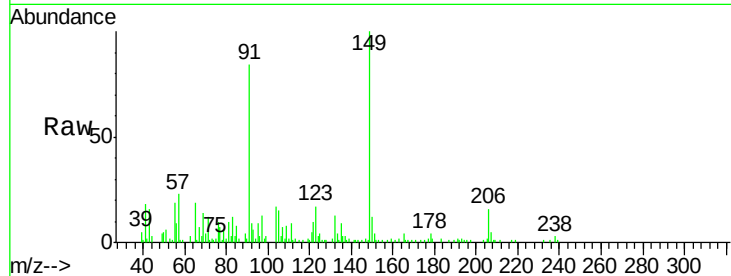




#79
Butylbenzylphthalate
Concen: 3.89 ng
RT: 13.20 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF084998.D
Acq: 10 Feb 2016 17:40

Instrument :
BNA_F
ClientSampleId :
S4-B018(1-3)RE

Tgt Ion:149 Resp: 39858
Ion Ratio Lower Upper
149 100
91 83.9 57.6 86.4
206 15.5 13.2 19.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF084998.D
Acq: 10 Feb 2016 17:40

Tgt Ion:264 Resp: 282109
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 21.6 17.8 26.6

