

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084880.D
 Acq On : 6 Feb 2016 00:42
 Operator : SJ/IZ
 Sample : H1311-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Quant Time: Feb 06 03:39:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

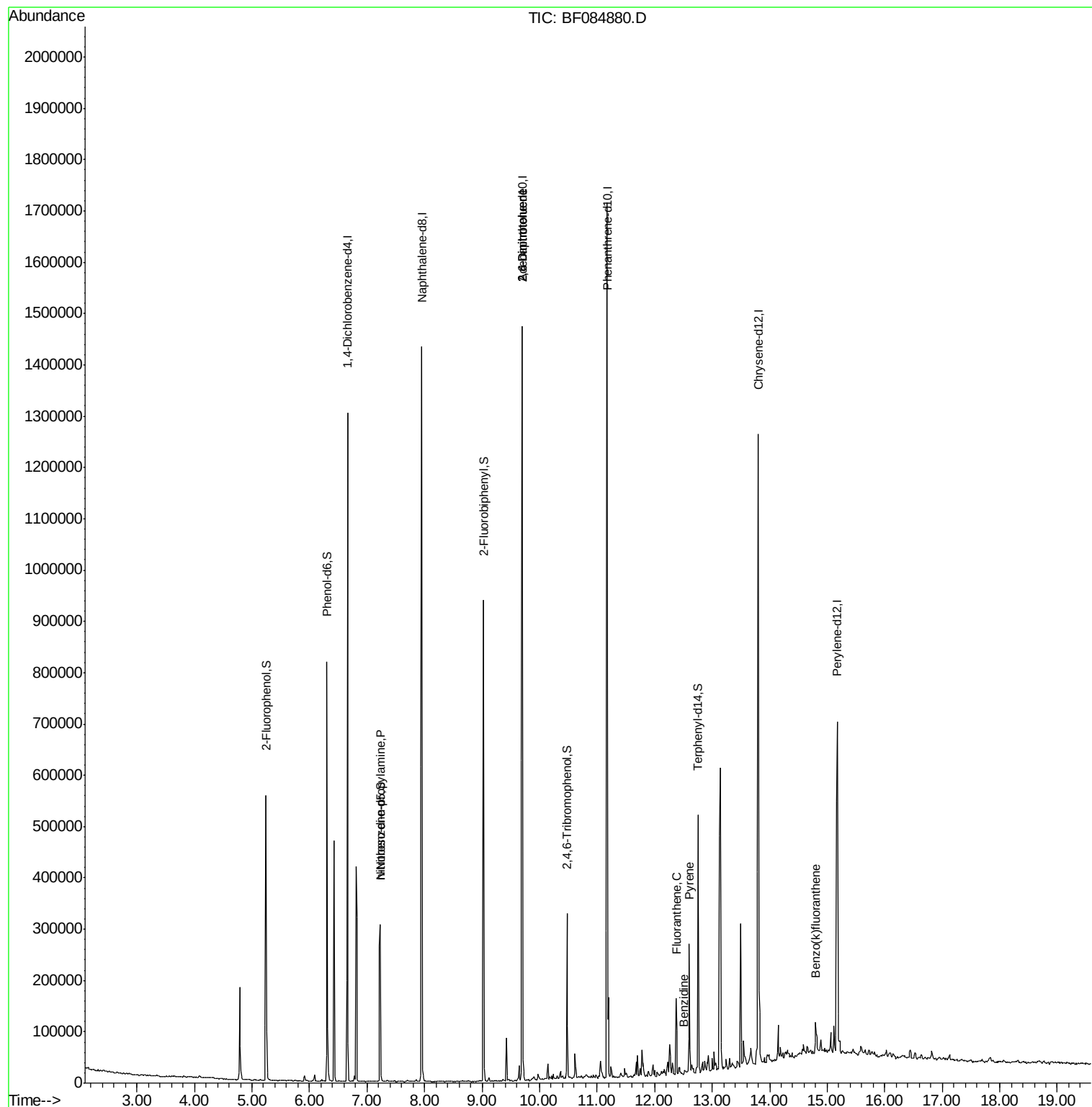
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	176419	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	717272	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	317722	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	574438	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	401332	20.00	ng	-0.03
86) Perylene-d12	15.17	264	321540	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	159699	14.10	ng	-0.03
7) Phenol-d6	6.30	99	246779	17.58	ng	-0.03
23) Nitrobenzene-d5	7.23	82	136911	10.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	34610	10.44	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	270163	10.21	ng	-0.03
78) Terphenyl-d14	12.75	244	203169	11.47	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	17824	2.03	ng	# 73
50) 2,6-Dinitrotoluene	9.70	165	41229	7.80	ng	# 38
56) 2,4-Dinitrotoluene	9.70	165	41229	6.11	ng	# 21
74) Fluoranthene	12.37	202	71017	2.20	ng	98
76) Benzydine	12.51	184	588	6.92	ng	# 66
77) Pyrene	12.60	202	96047	3.13	ng	98
88) Benzo(k)fluoranthene	14.80	252	37356	2.09	ng	97

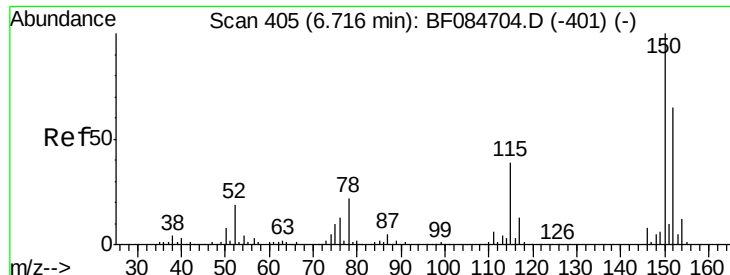
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

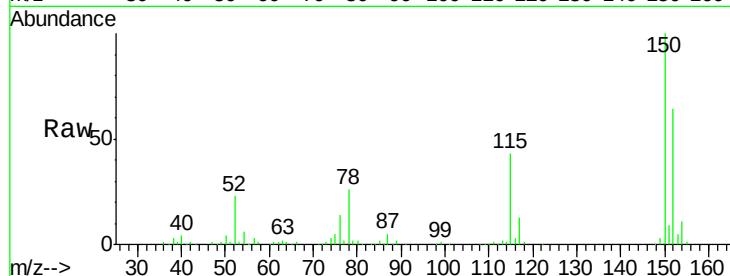
Tgt Ion:152 Resp: 176419

Ion Ratio Lower Upper

152 100

150 156.5 123.0 184.4

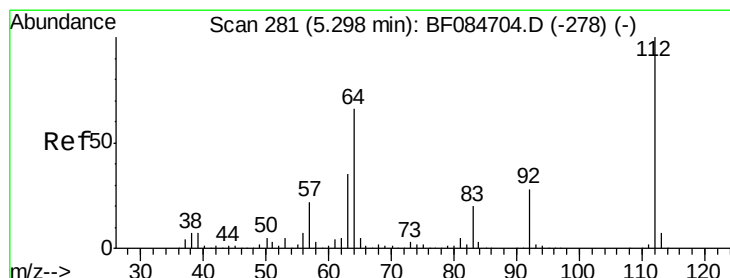
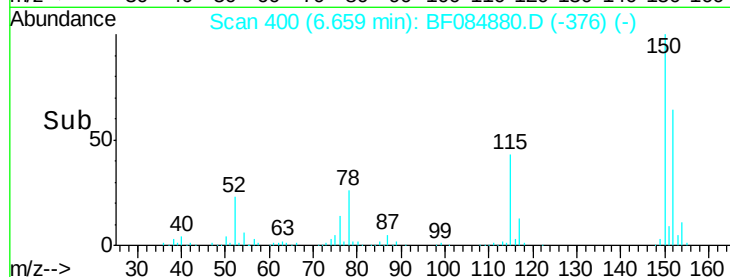
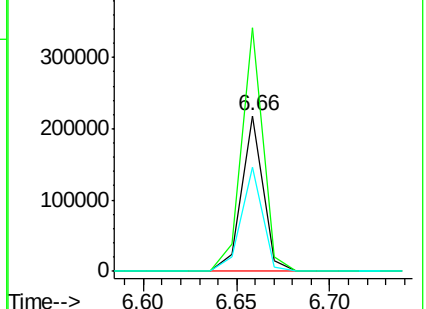
115 66.7 51.4 77.2



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: 14.10 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

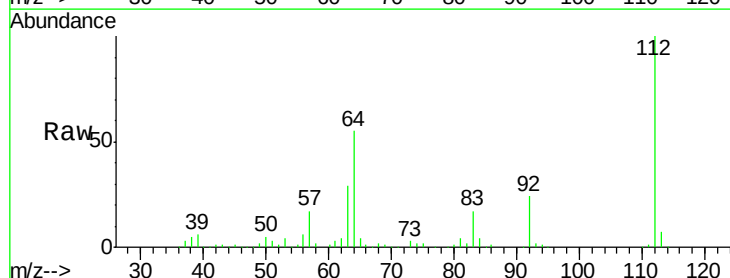
Tgt Ion:112 Resp: 159699

Ion Ratio Lower Upper

112 100

64 54.9 36.6 55.0

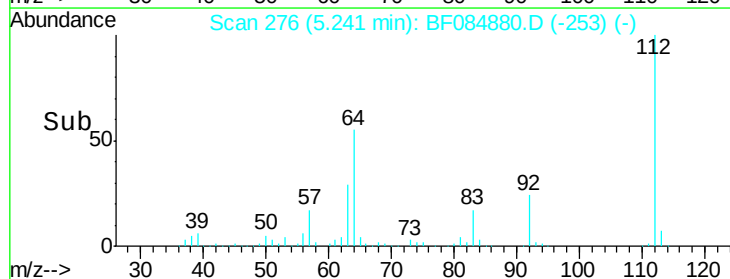
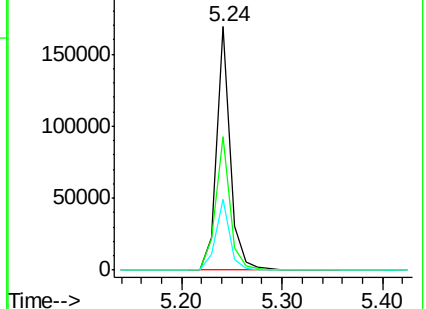
63 28.9 19.4 29.0

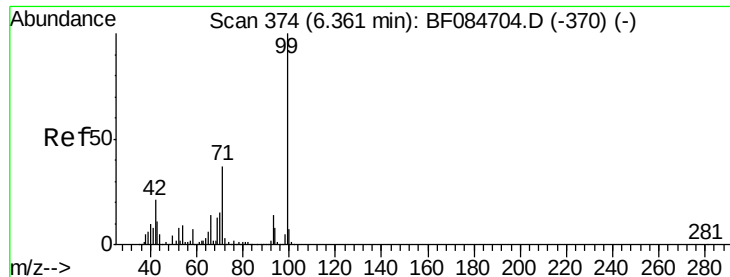


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.58 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

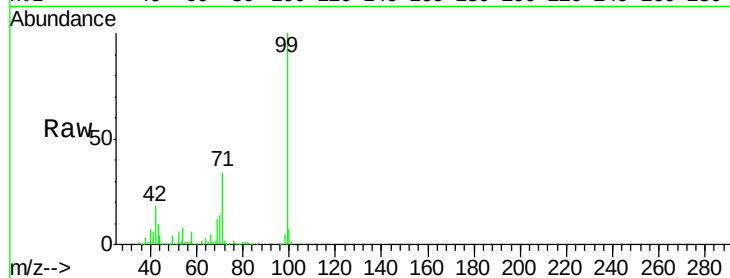
Tgt Ion: 99 Resp: 246779

Ion Ratio Lower Upper

99 100

42 18.2 12.8 19.2

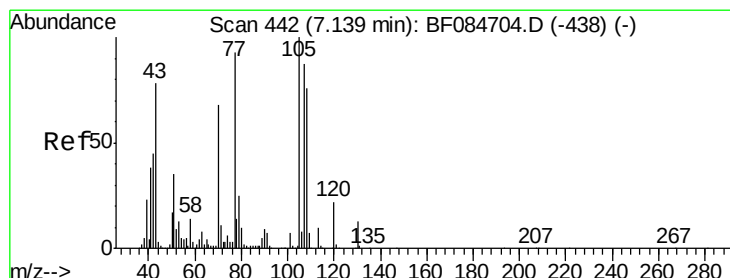
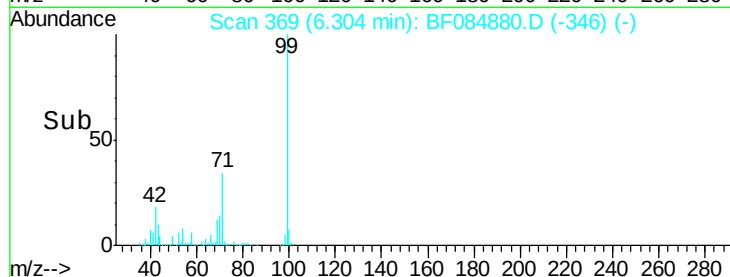
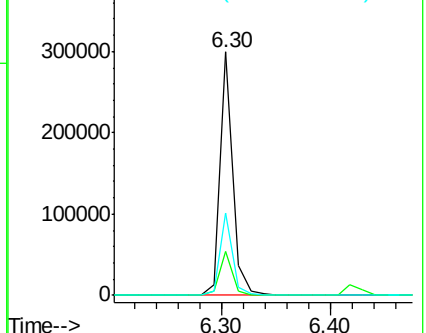
71 33.7 30.9 46.3



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: 2.03 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Tgt Ion: 70 Resp: 17824

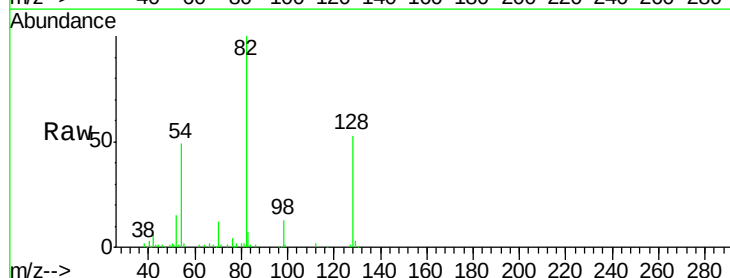
Ion Ratio Lower Upper

70 100

42 47.9 33.3 49.9

101 0.0 9.3 13.9#

130 2.4 23.4 35.0#

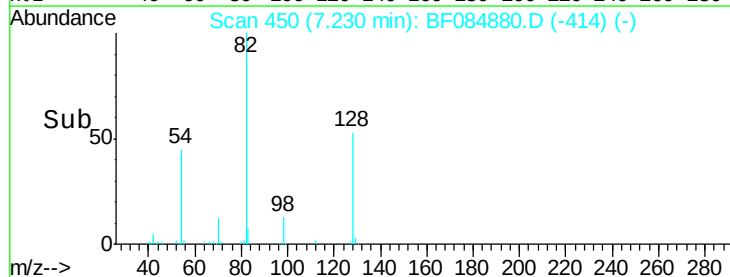
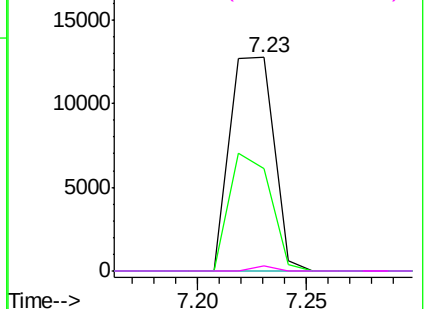


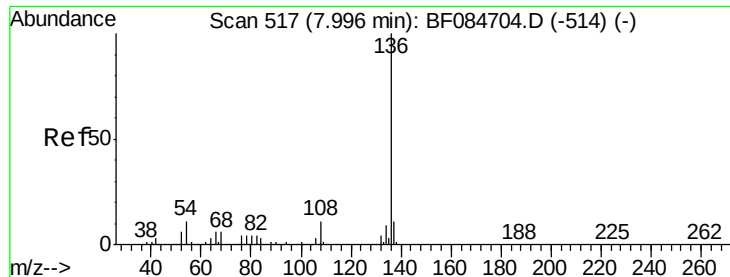
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

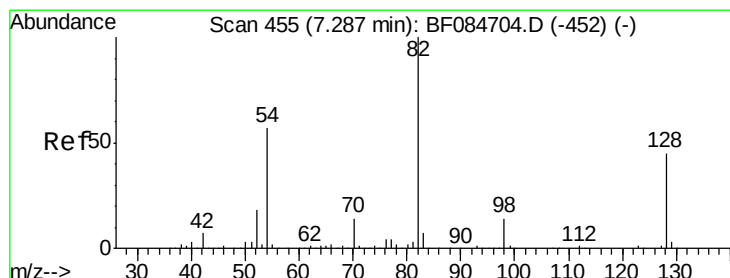
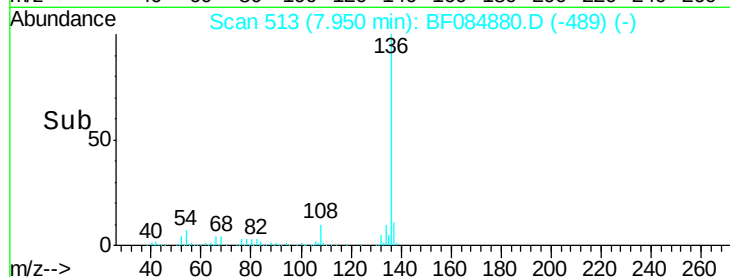
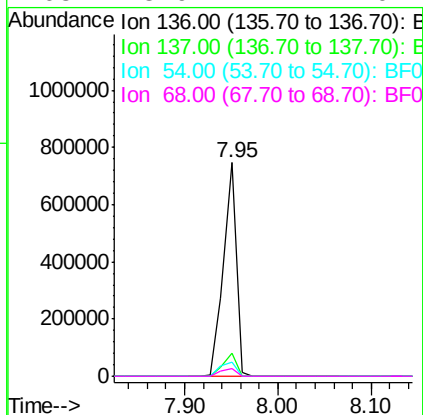
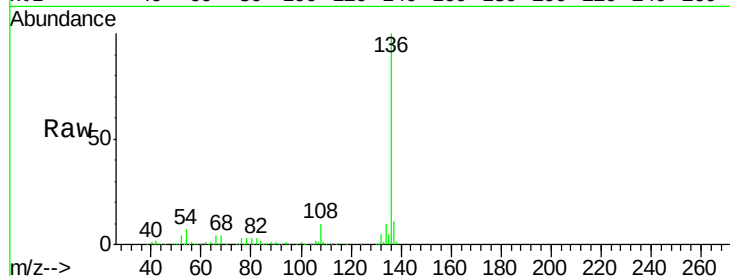




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084880.D
Acq: 6 Feb 2016 00:42

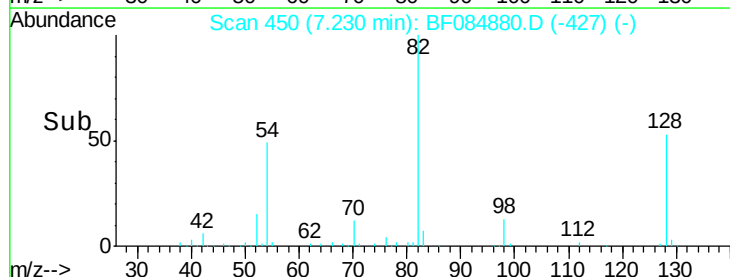
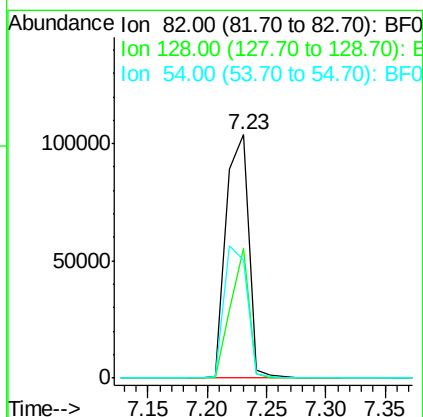
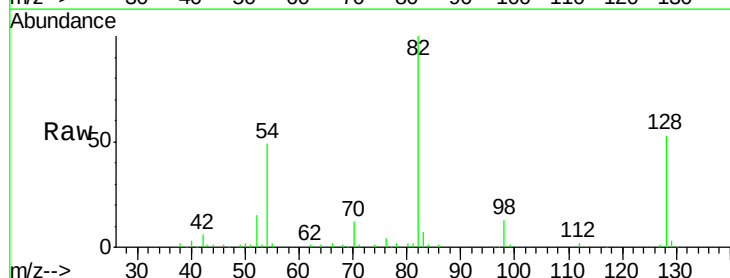
Instrument :
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SUP-B017(5-7)

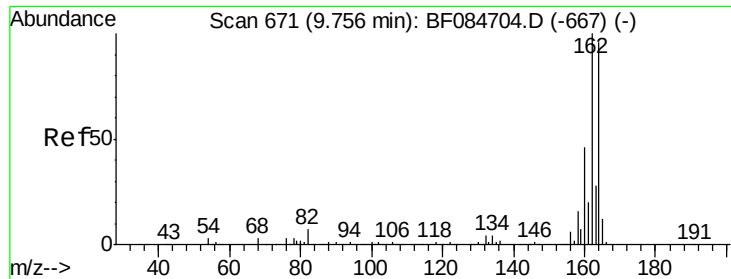
Tgt Ion:	136	Resp:	717272
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.8	5.8	8.8
68	3.9	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 10.75 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084880.D
Acq: 6 Feb 2016 00:42

Tgt Ion:	82	Resp:	136911
Ion	Ratio	Lower	Upper
82	100		
128	53.2	34.6	51.8#
54	48.6	38.4	57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

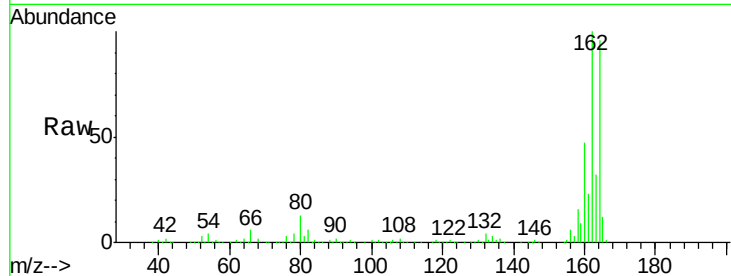
Tgt Ion:164 Resp: 317722

Ion Ratio Lower Upper

164 100

162 104.0 85.1 127.7

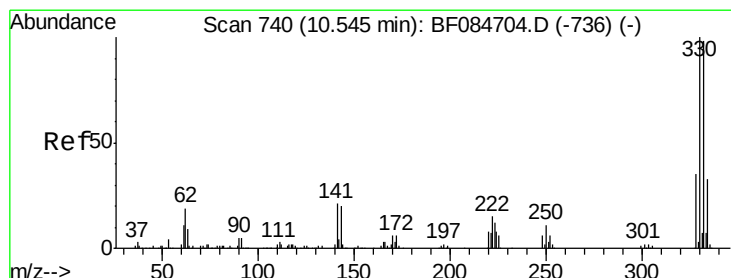
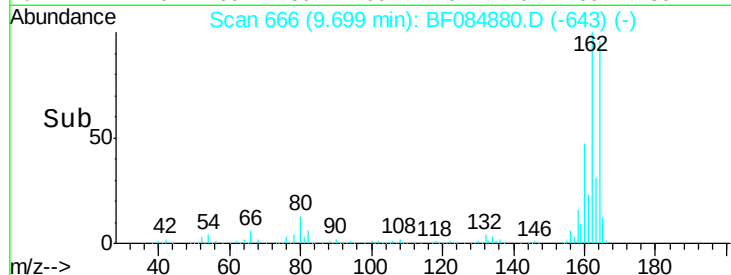
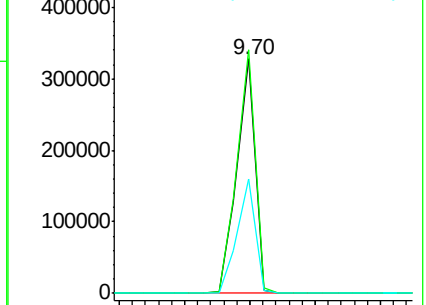
160 49.1 37.5 56.3



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: 10.44 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

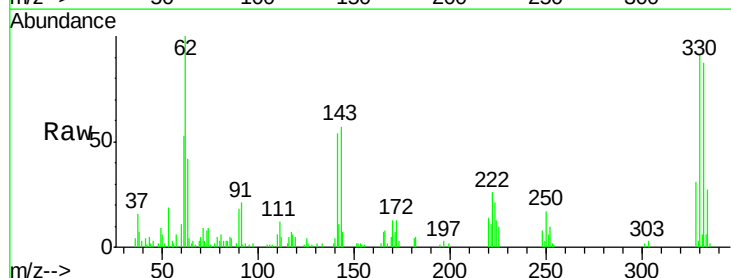
Tgt Ion:330 Resp: 34610

Ion Ratio Lower Upper

330 100

332 100.5 76.6 114.8

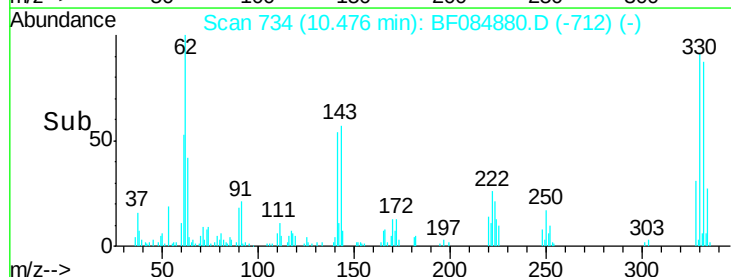
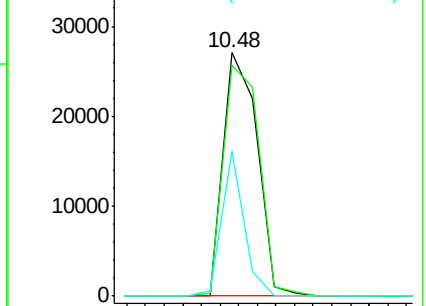
141 38.5 27.8 41.6

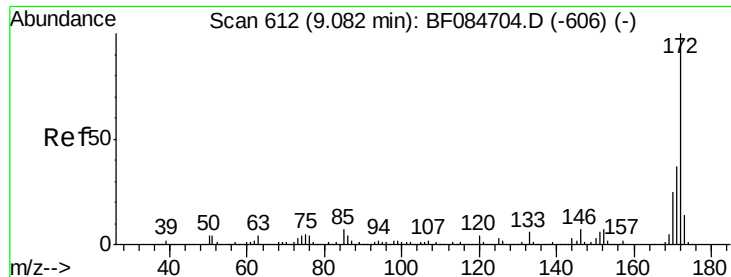


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

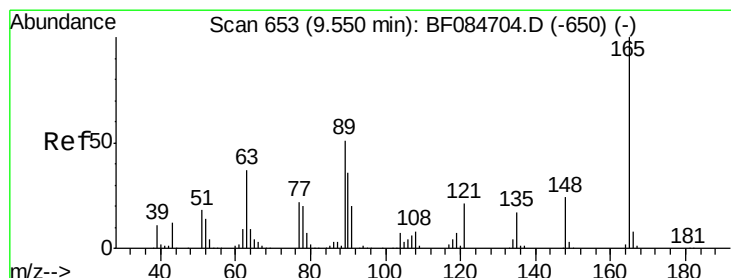
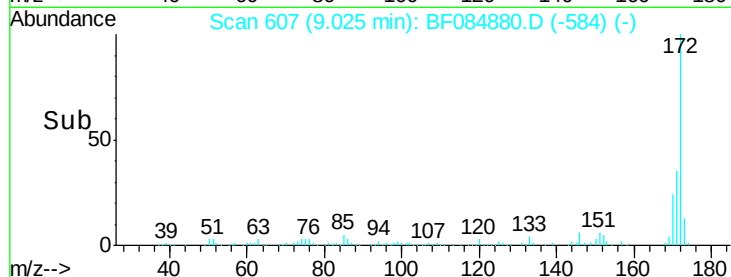
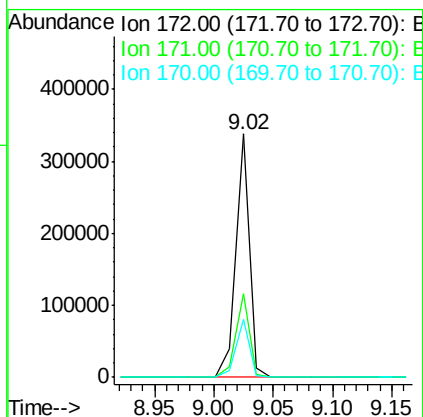
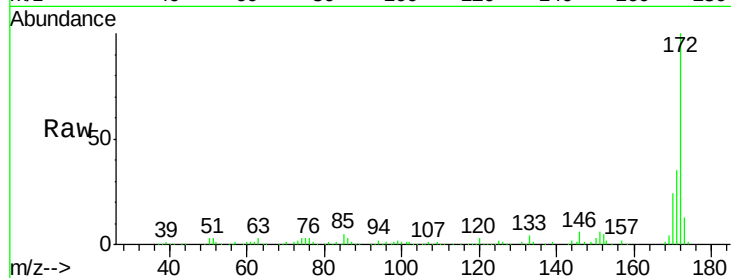




#44
 2-Fluorobiphenyl
 Concen: 10.21 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

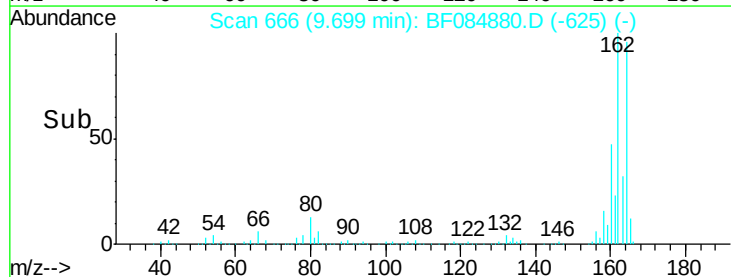
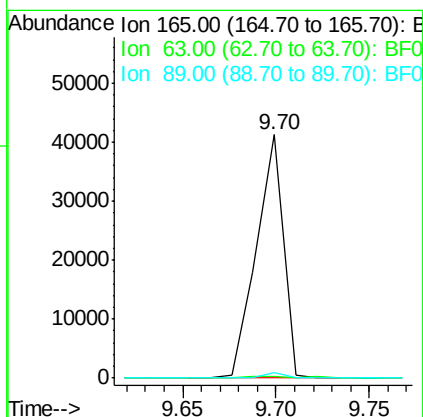
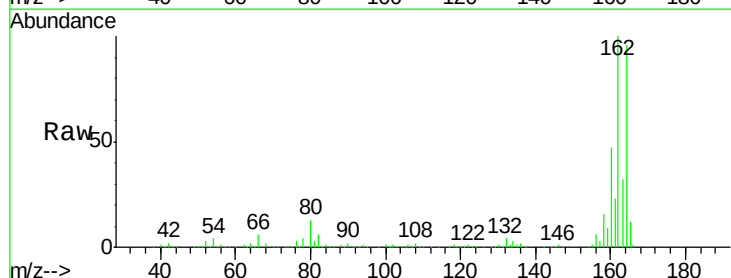
Instrument :
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 SUP-B017(5-7)

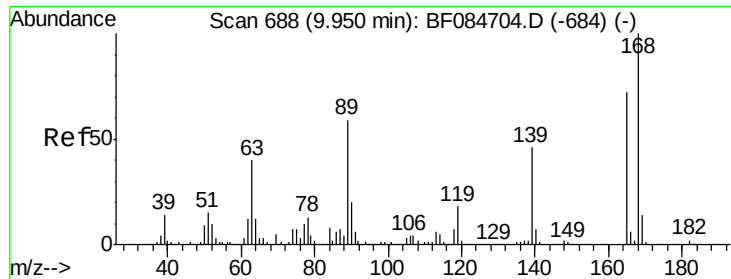
Tgt Ion:172 Resp: 270163
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.9 43.3
 170 23.6 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

Tgt Ion:165 Resp: 41229
 Ion Ratio Lower Upper
 165 100
 63 0.9 28.8 43.2#
 89 2.0 35.1 52.7#

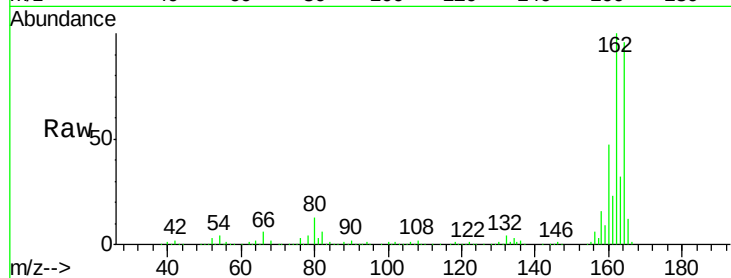




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.7	55.1#
89	2.0	61.9	92.9#
182	0.0	2.0	3.0#

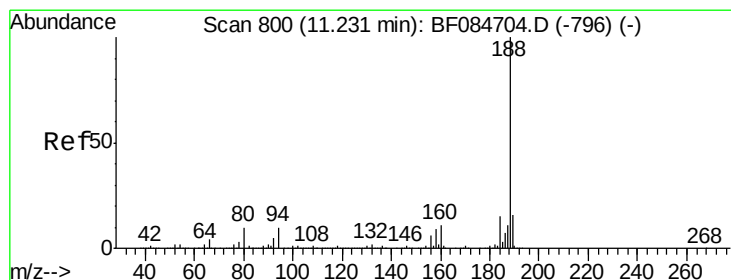
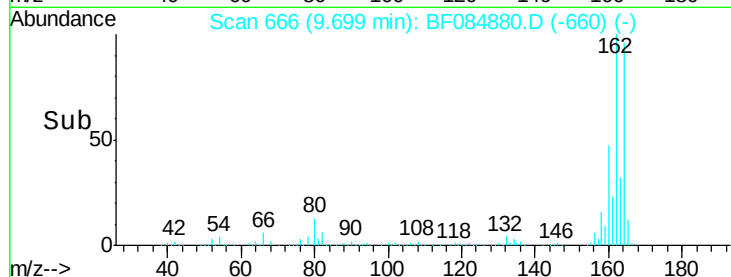
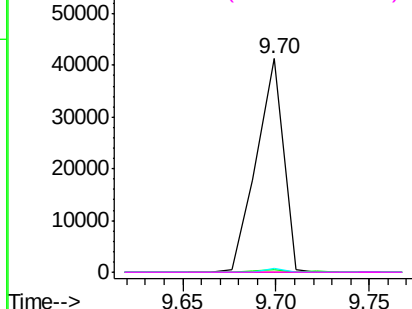


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

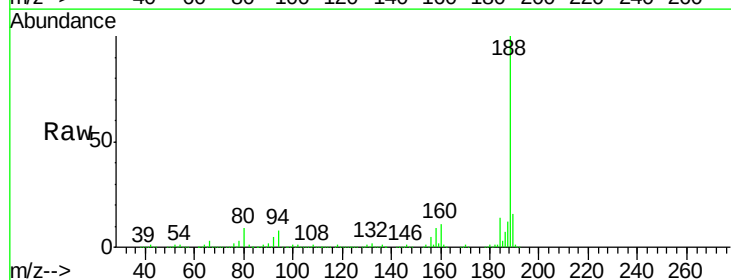
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

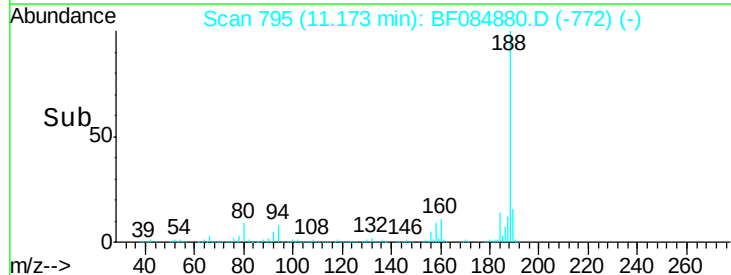
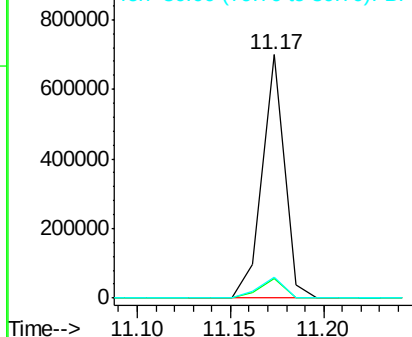
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.0	13.4#
80	8.6	9.6	14.4#

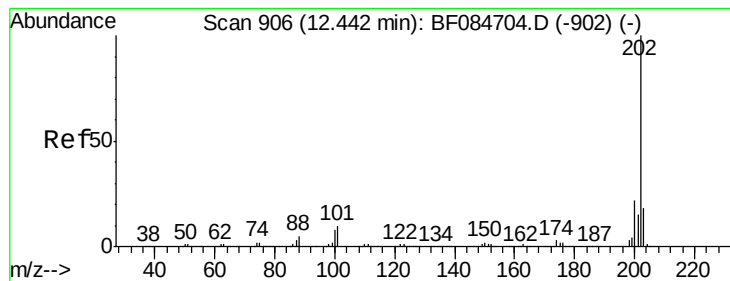


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.20 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Instrument :

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SUP-B017(5-7)

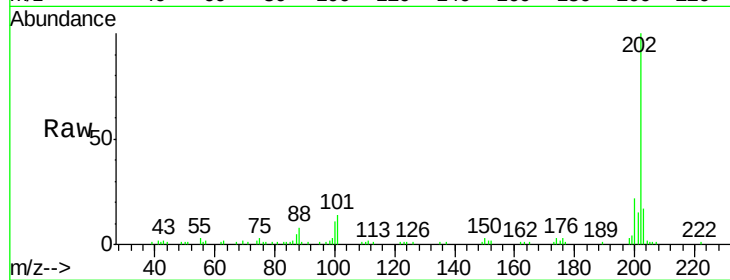
Tgt Ion:202 Resp: 71017

Ion Ratio Lower Upper

202 100

101 13.7 0.0 32.8

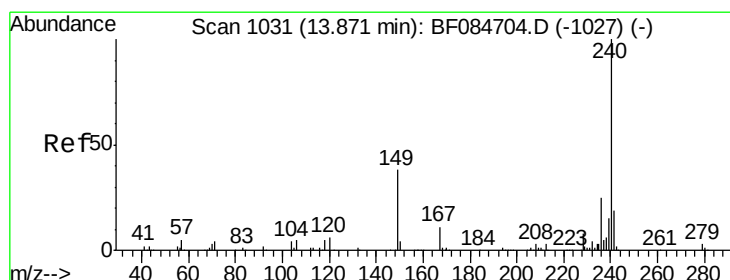
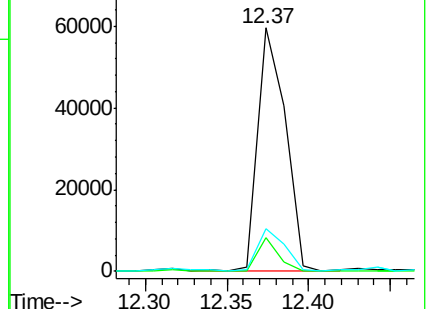
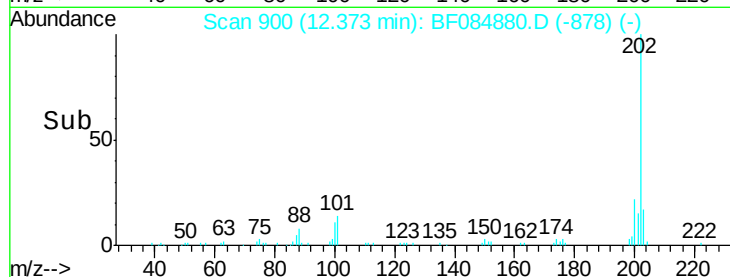
203 17.3 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

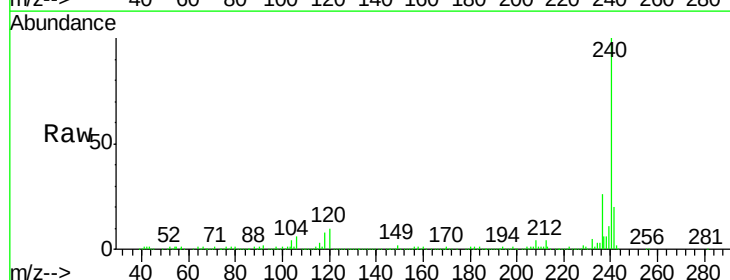
Tgt Ion:240 Resp: 401332

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

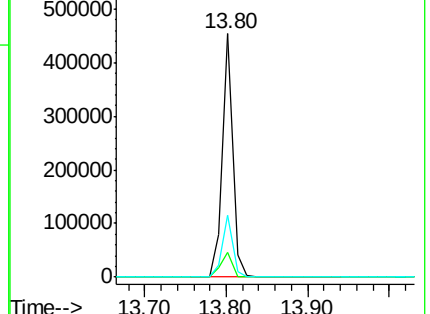
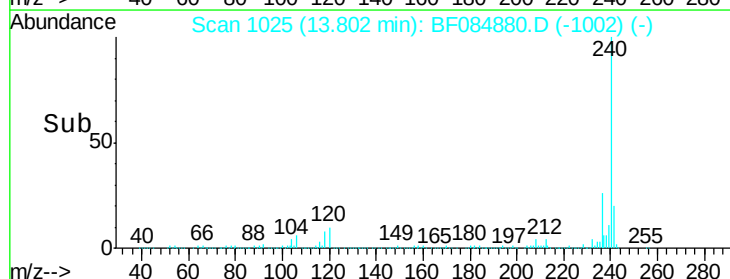
236 25.6 20.6 31.0

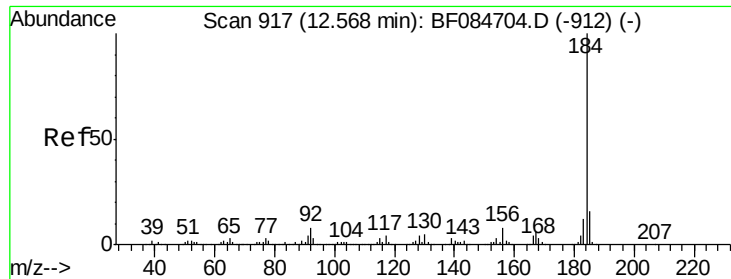


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.92 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

Instrument :

BNA_F

ClientSampleId :

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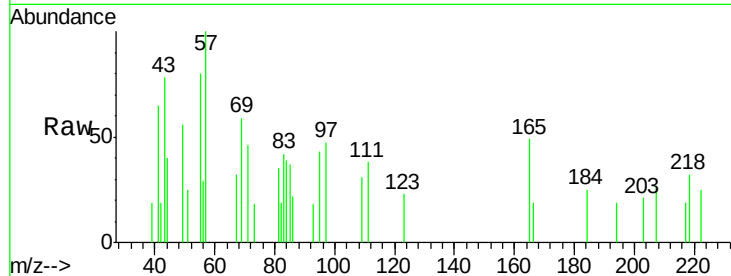
Tgt Ion:184 Resp: 588

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

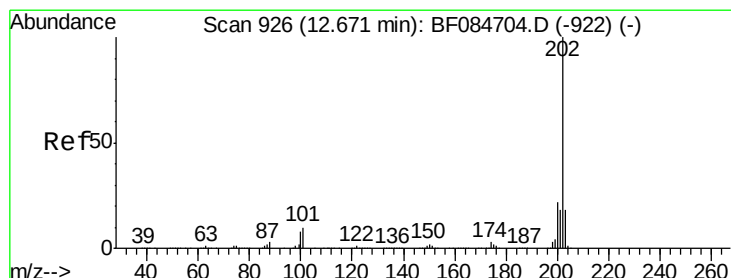
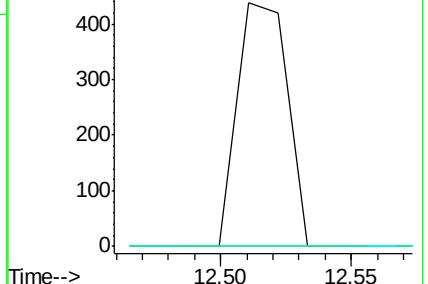
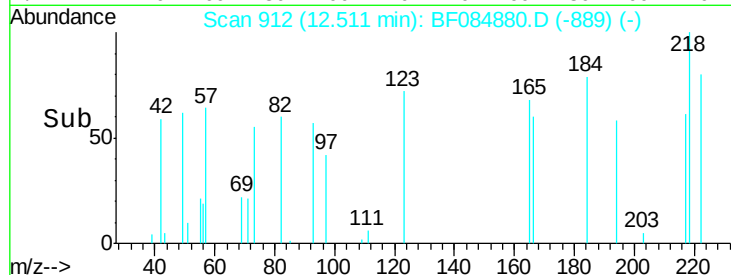
183 0.0 9.8 14.8#



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



#77

Pyrene

Concen: 3.13 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084880.D

Acq: 6 Feb 2016 00:42

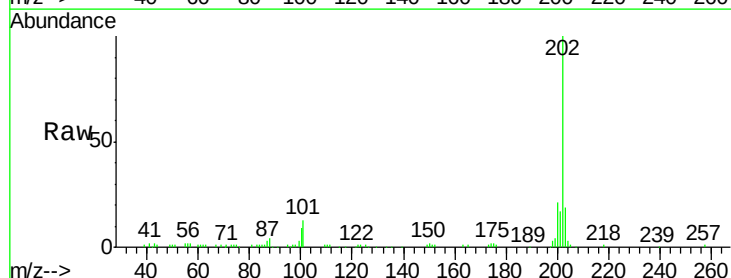
Tgt Ion:202 Resp: 96047

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

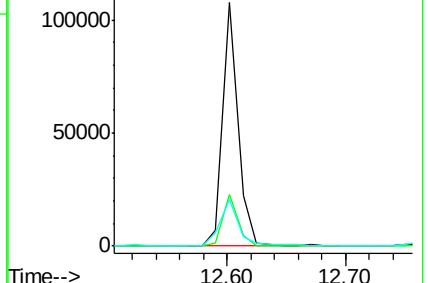
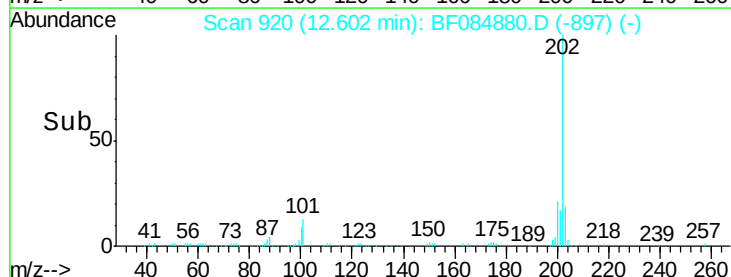
203 19.1 14.3 21.5

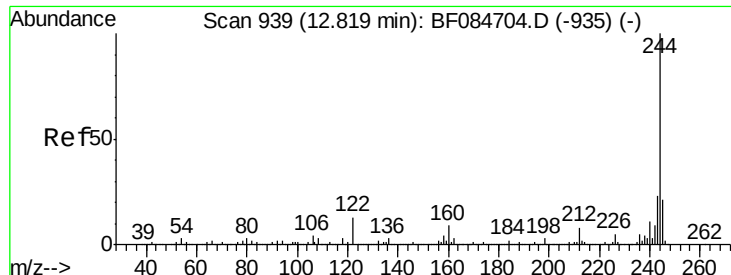


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

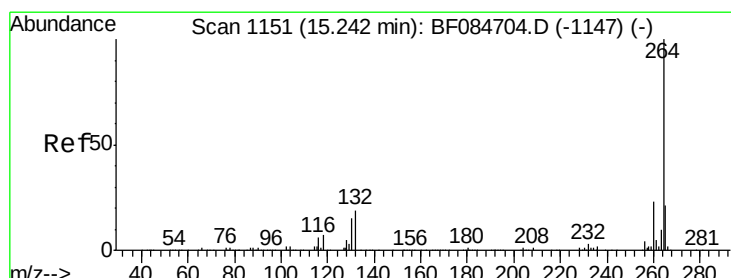
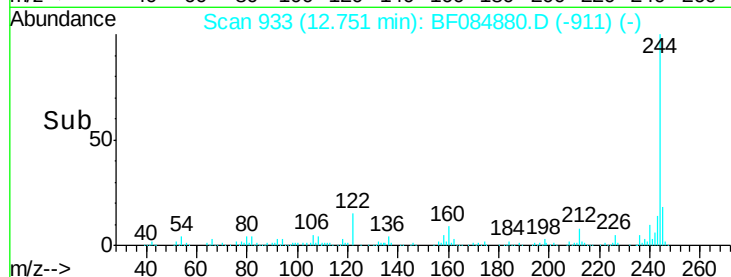
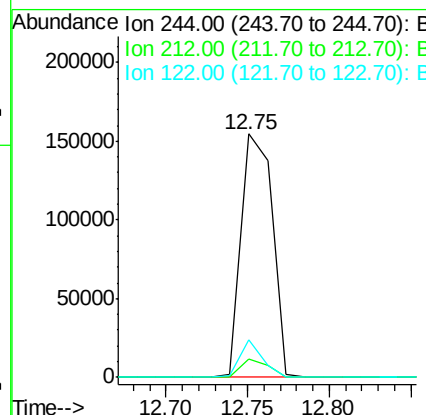
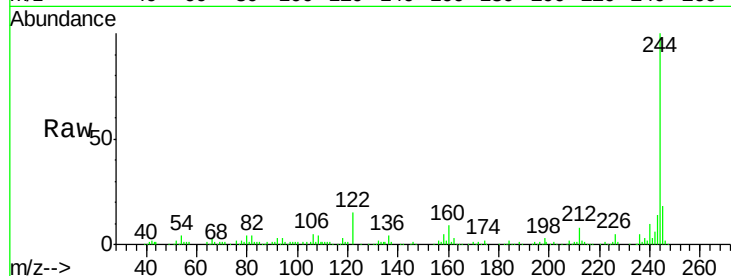




#78
 Terphenyl-d14
 Concen: 11.47 ng
 RT: 12.75 min Scan# 933
 Delta R.T. -0.05 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

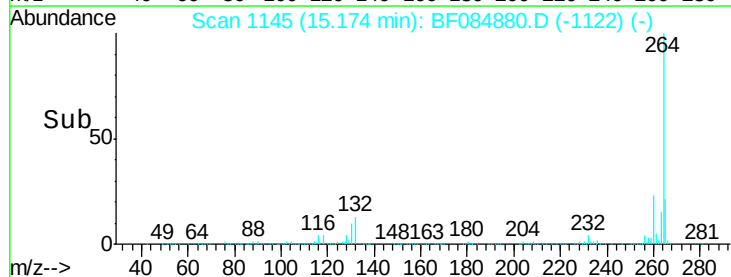
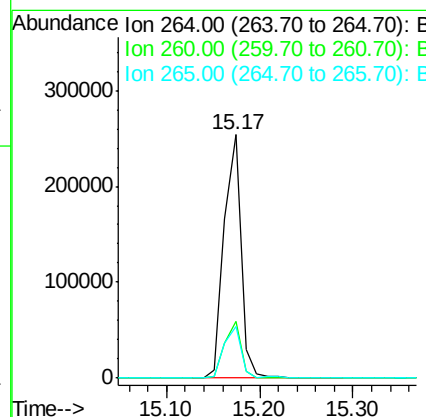
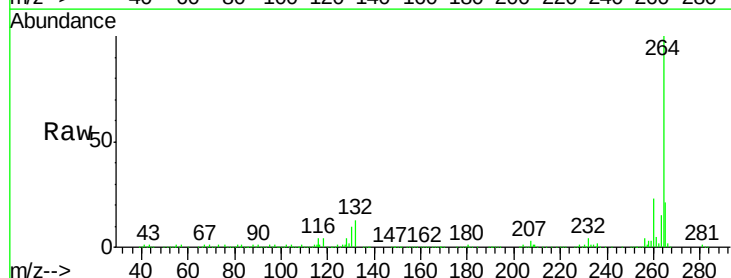
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

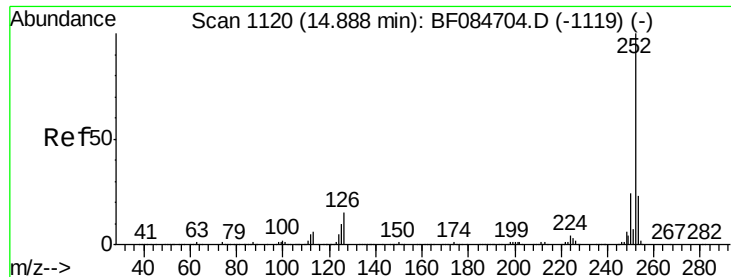
Tgt Ion:244 Resp: 203169
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 15.3 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084880.D
 Acq: 6 Feb 2016 00:42

Tgt Ion:264 Resp: 321540
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 21.1 17.8 26.6





#88

Benzo(k)fluoranthene

Concen: 2.09 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF084880.D

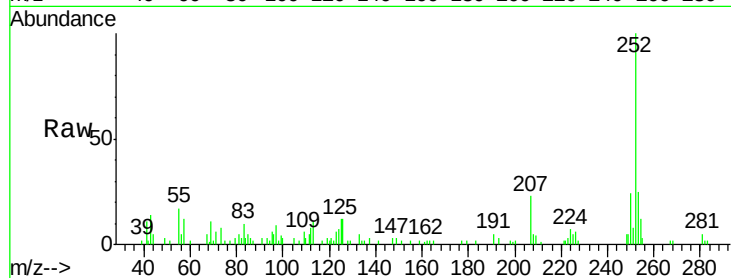
Acq: 6 Feb 2016 00:42

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)



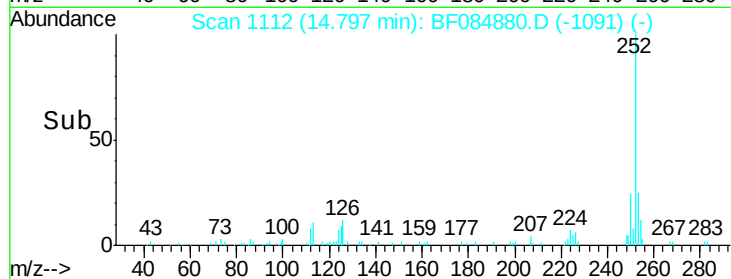
Tgt Ion: 252 Resp: 37356

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

125 12.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

