

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081815\
 Data File : BF081072.D
 Acq On : 19 Aug 2015 7:59
 Operator : UM/IZ
 Sample : G3289-09 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-5

Quant Time: Aug 19 12:43:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

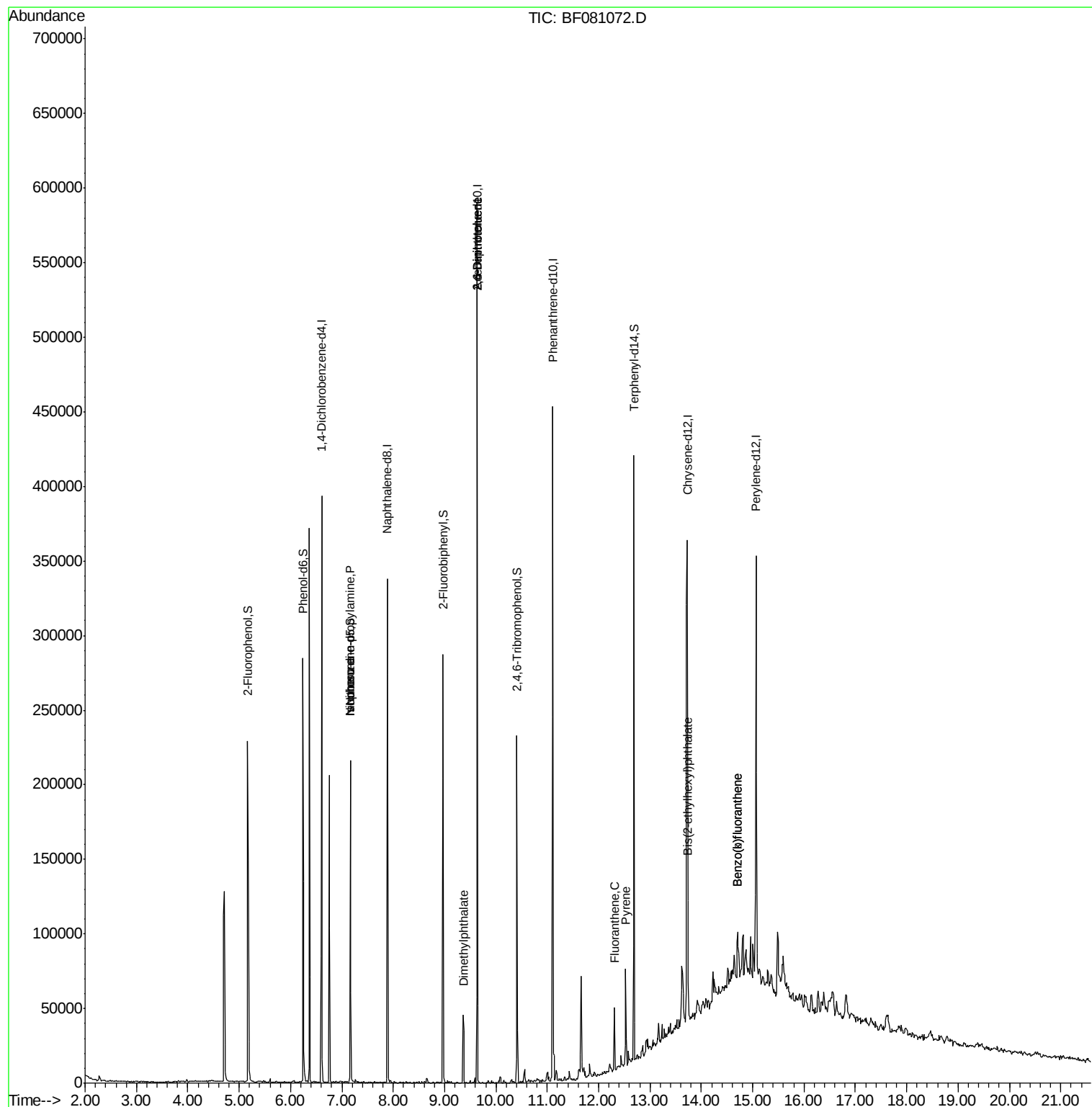
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	53272	20.00	ng	-0.02
21) Naphthalene-d8	7.88	136	201301	20.00	ng	-0.02
38) Acenaphthene-d10	9.63	164	100848	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	194846	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	133936	20.00	ng	-0.02
86) Perylene-d12	15.06	264	116623	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	75003	21.18	ng	-0.02
7) Phenol-d6	6.24	99	105667	22.87	ng	-0.02
23) Nitrobenzene-d5	7.16	82	65384	14.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	17457	19.97	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	117386	15.25	ng	-0.02
78) Terphenyl-d14	12.69	244	112921	18.07	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	8188	2.56	ng	# 81
25) Isophorone	7.16	82	64408	7.84	ng	# 71
49) Dimethylphthalate	9.37	163	24599	2.96	ng	98
50) 2,6-Dinitrotoluene	9.63	165	12993	7.29	ng	# 20
56) 2,4-Dinitrotoluene	9.63	165	12993	5.50	ng	# 16
74) Fluoranthene	12.31	202	25947	2.08	ng	97
77) Pyrene	12.53	202	22149	2.03	ng	98
83) Bis(2-ethylhexyl)phthalate	13.74	149	18471	3.08	ng	98
87) Benzo(b)fluoranthene	14.71	252	19366	2.35	ng	# 89
88) Benzo(k)fluoranthene	14.71	252	19366	2.52	ng	# 92

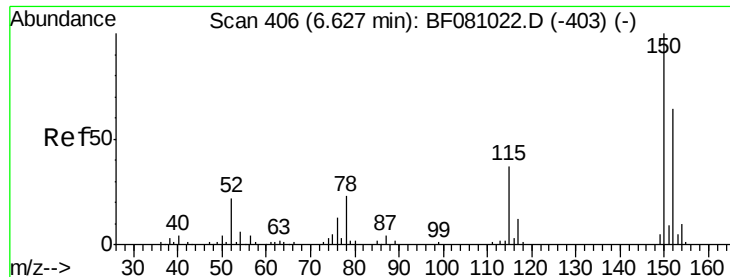
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

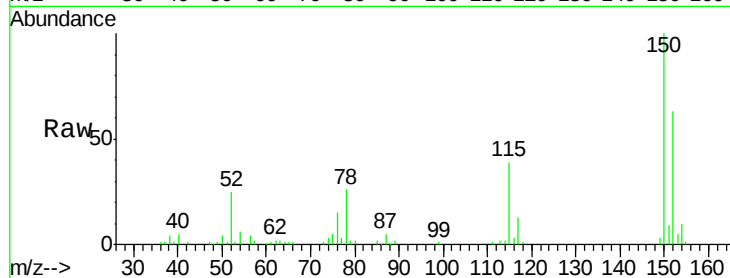
Tgt Ion:152 Resp: 53272

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.6

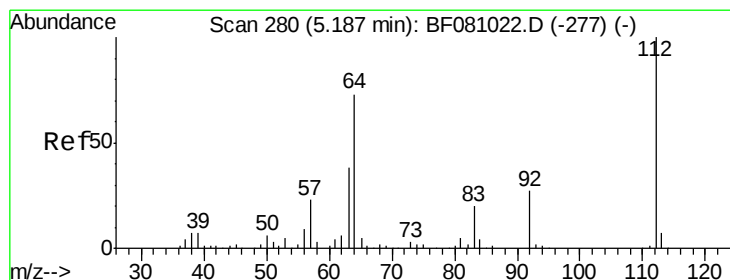
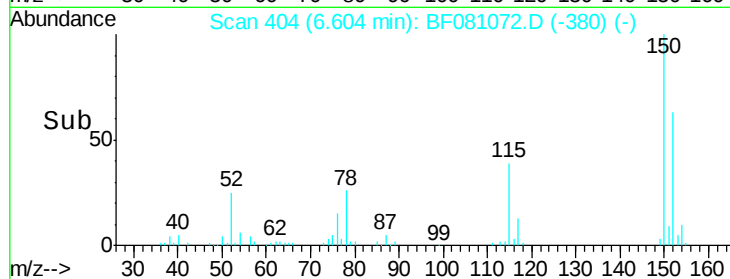
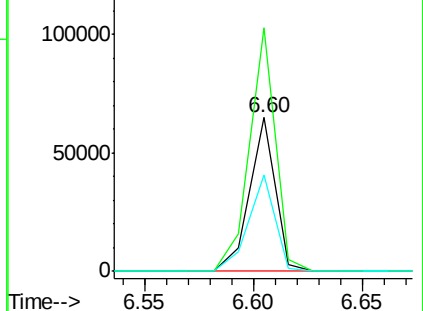
115 62.4 52.1 78.1



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: 21.18 ng

RT: 5.16 min Scan# 278

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

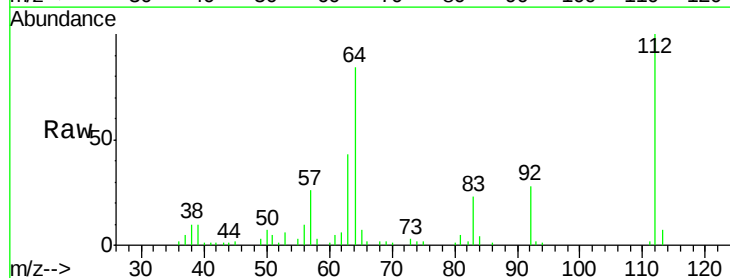
Tgt Ion:112 Resp: 75003

Ion Ratio Lower Upper

112 100

64 84.2 66.9 100.3

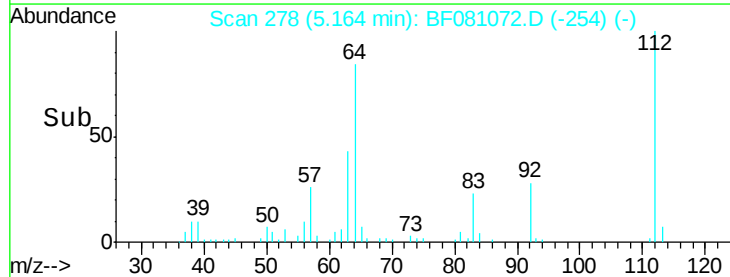
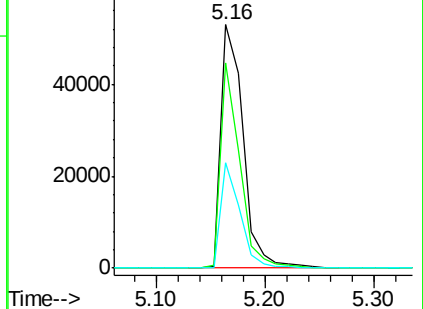
63 43.3 38.1 57.1

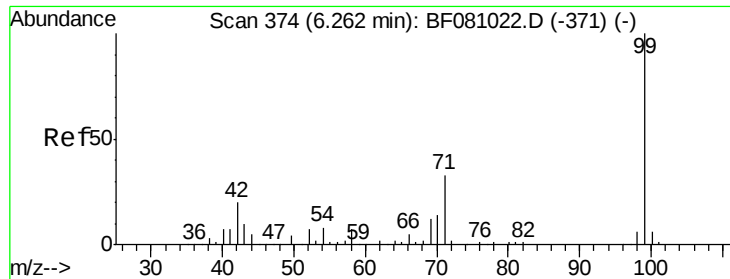


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.87 ng

RT: 6.24 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

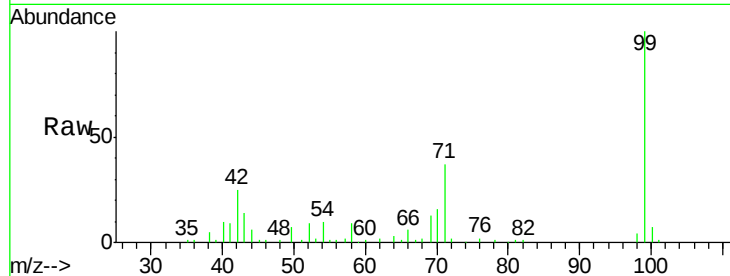
Tgt Ion: 99 Resp: 105667

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

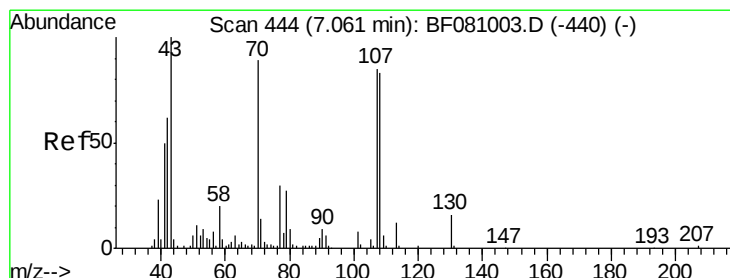
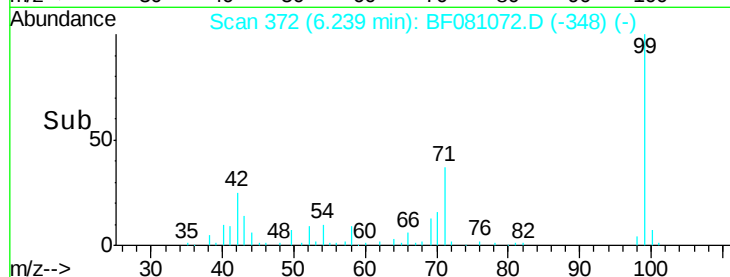
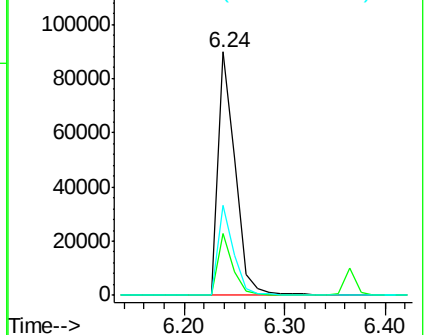
71 37.1 31.2 46.8



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: 2.56 ng

RT: 7.16 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Tgt Ion: 70 Resp: 8188

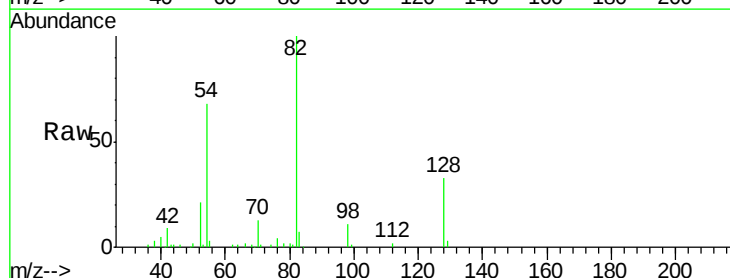
Ion Ratio Lower Upper

70 100

42 68.4 65.0 97.4

101 0.0 7.4 11.2#

130 0.0 13.0 19.4#

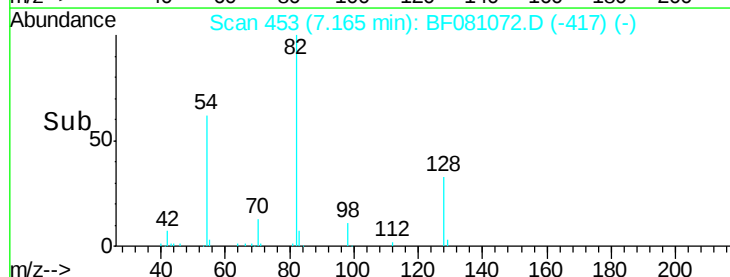
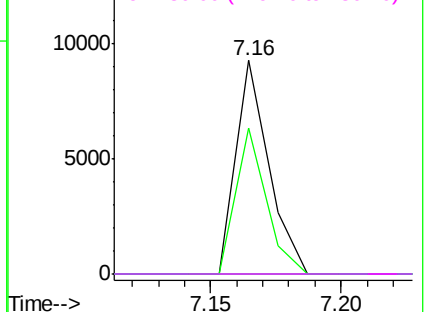


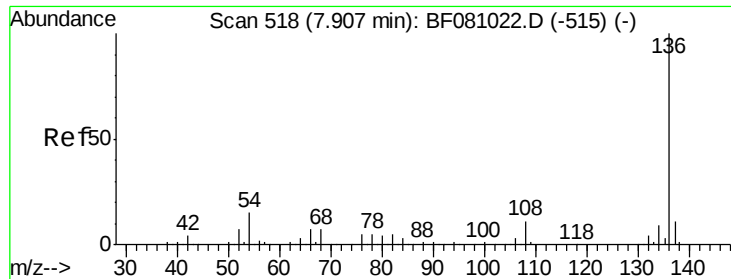
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

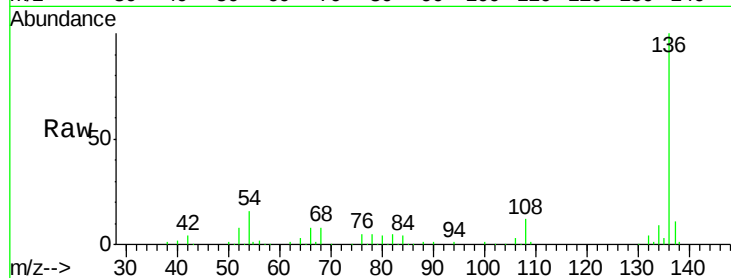




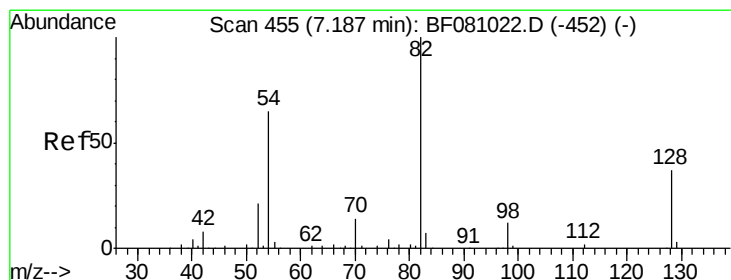
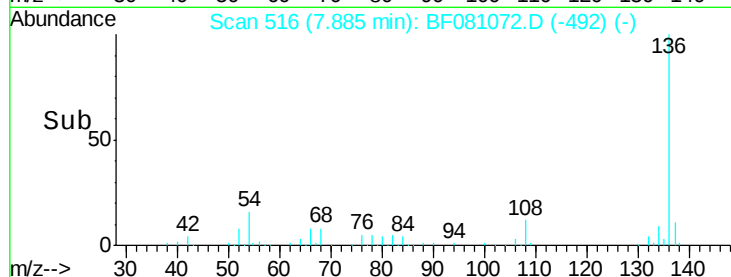
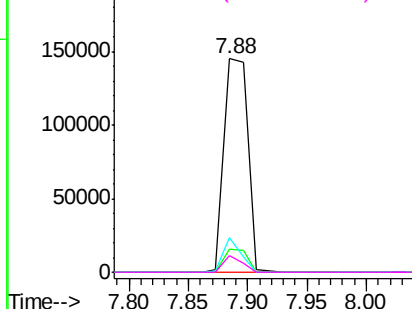
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 516
Delta R.T. -0.02 min
Lab File: BF081072.D
Acq: 19 Aug 2015 7:59

Instrument :
BNA_F
ClientSampleId :
RAMPB-T(0-2)-5

Tgt Ion:	136	Resp:	201301
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.2
54	16.2	7.7	11.5#
68	7.7	3.4	5.2#

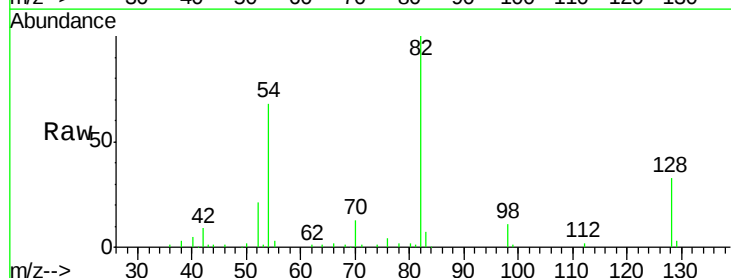


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

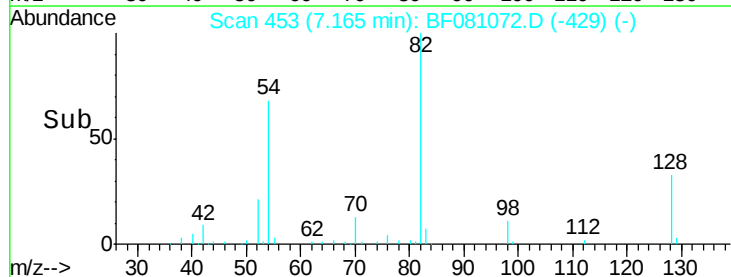
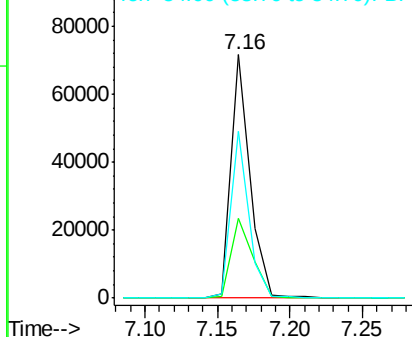


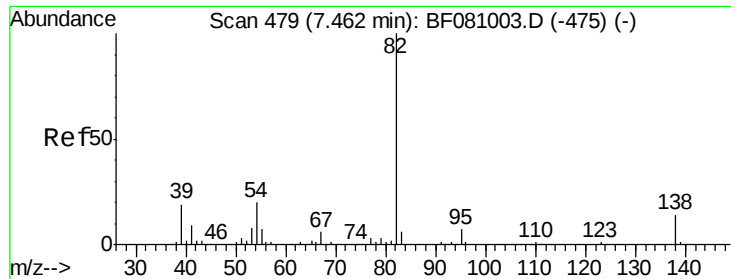
#23
Nitrobenzene-d5
Concen: 14.84 ng
RT: 7.16 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF081072.D
Acq: 19 Aug 2015 7:59

Tgt Ion:	82	Resp:	65384
Ion	Ratio	Lower	Upper
82	100		
128	32.5	28.6	42.8
54	68.4	55.1	82.7



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





#25

Isophorone

Concen: 7.84 ng

RT: 7.16 min Scan# 453

Delta R.T. -0.29 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

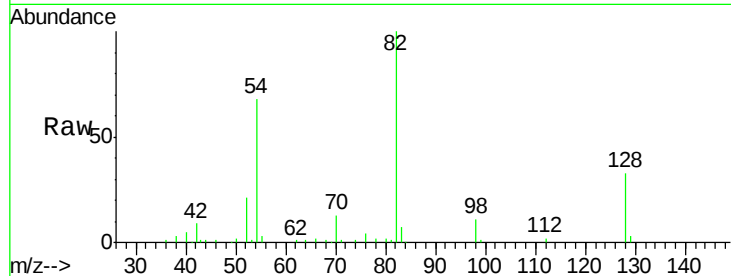
Tgt Ion: 82 Resp: 64408

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

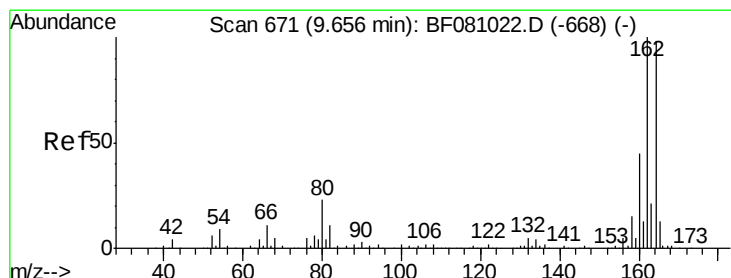
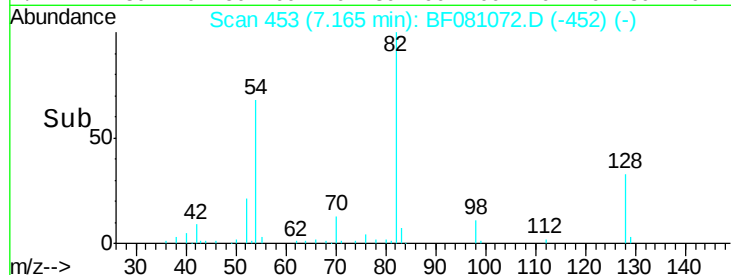
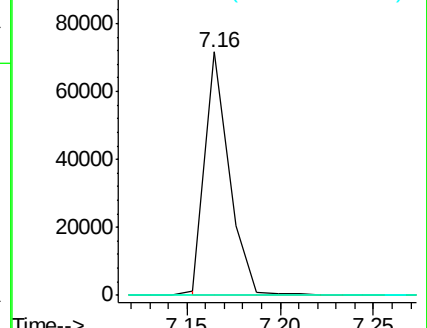
138 0.0 10.5 15.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

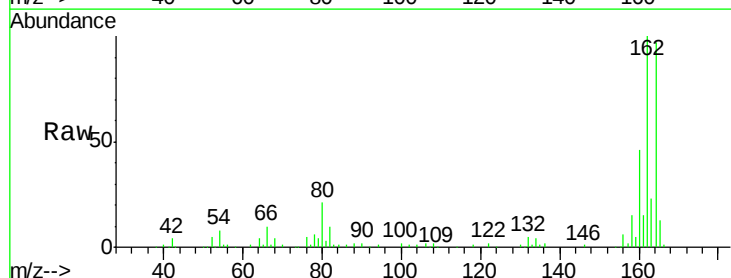
Tgt Ion: 164 Resp: 100848

Ion Ratio Lower Upper

164 100

162 102.8 83.8 125.8

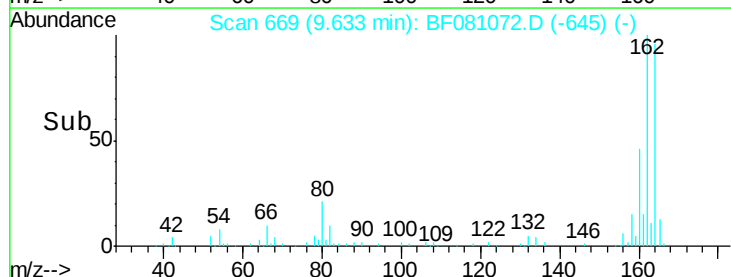
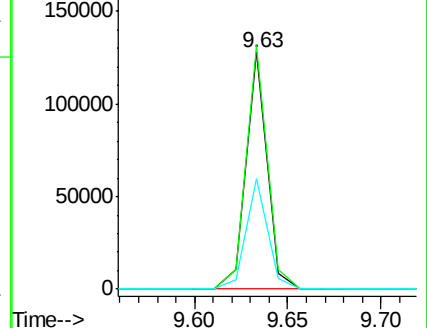
160 46.8 39.8 59.8

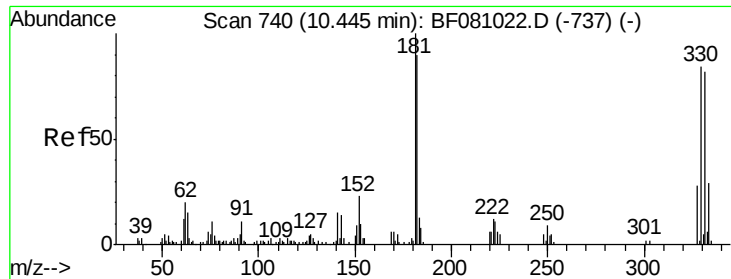


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 19.97 ng

RT: 10.41 min Scan# 737

Delta R.T. -0.03 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

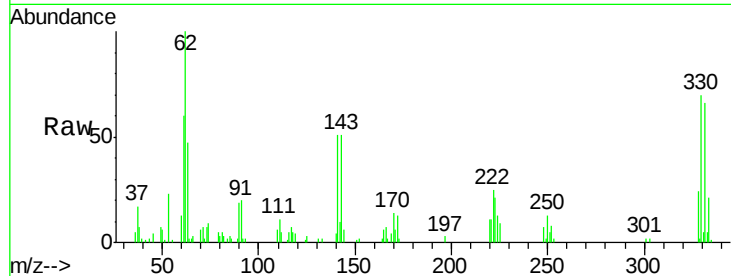
Tgt Ion:330 Resp: 17457

Ion Ratio Lower Upper

330 100

332 94.2 77.3 115.9

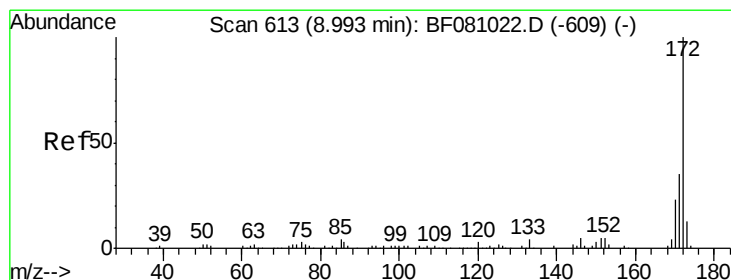
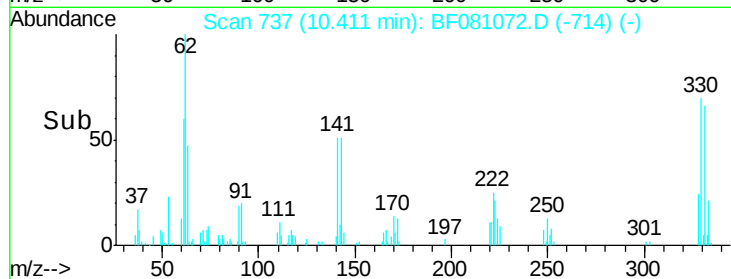
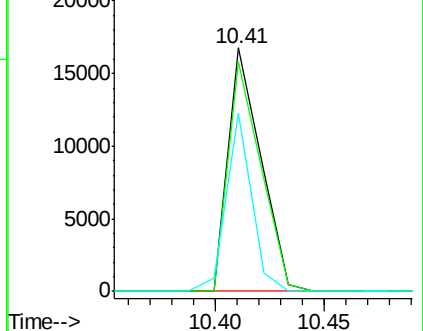
141 56.7 44.9 67.3



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: 15.25 ng

RT: 8.97 min Scan# 611

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

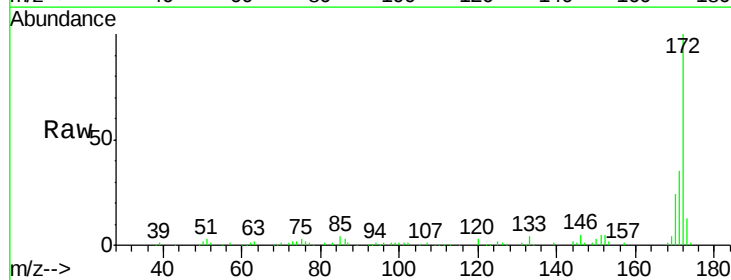
Tgt Ion:172 Resp: 117386

Ion Ratio Lower Upper

172 100

171 34.6 28.9 43.3

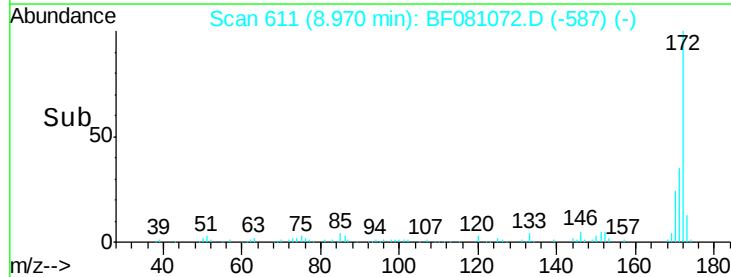
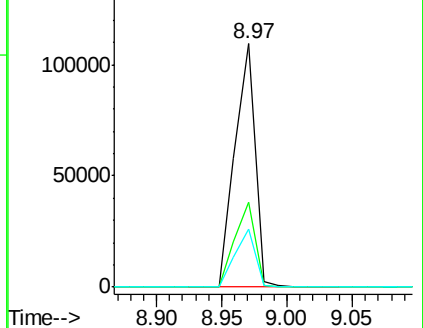
170 23.9 19.4 29.2

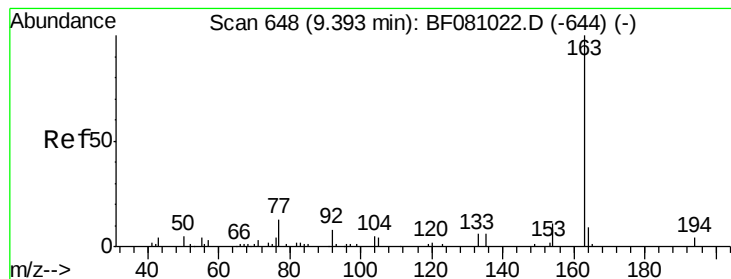


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.96 ng

RT: 9.37 min Scan# 646

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

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ClientSampleId :

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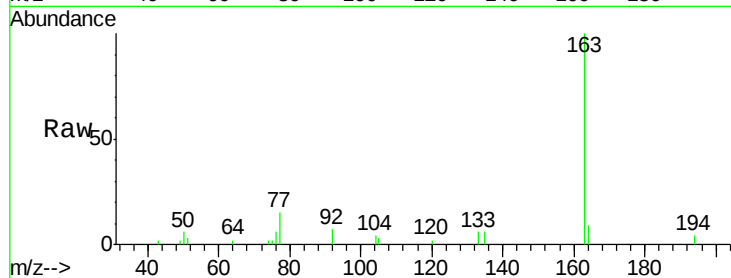
Tgt Ion:163 Resp: 24599

Ion Ratio Lower Upper

163 100

194 3.6 2.5 3.7

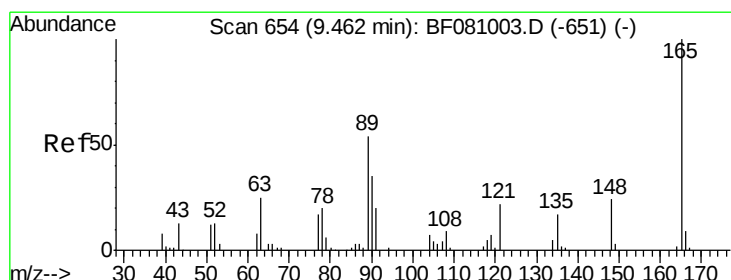
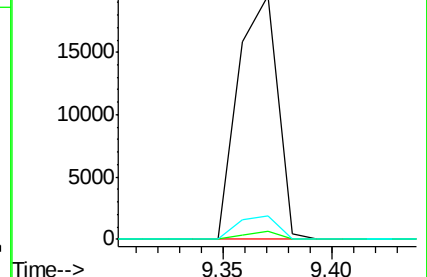
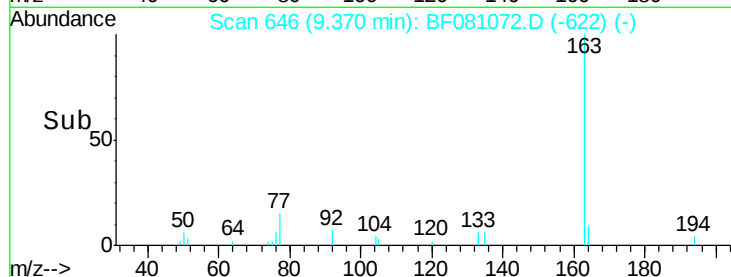
164 9.4 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.29 ng

RT: 9.63 min Scan# 669

Delta R.T. 0.18 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

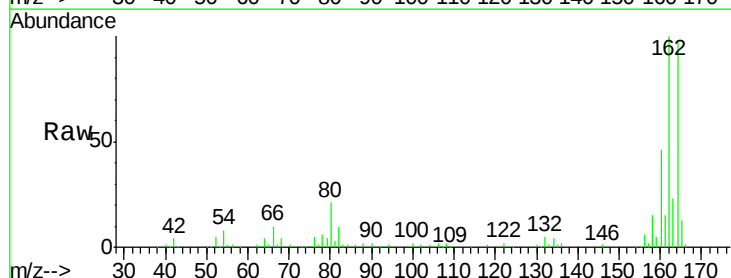
Tgt Ion:165 Resp: 12993

Ion Ratio Lower Upper

165 100

63 0.0 49.5 74.3#

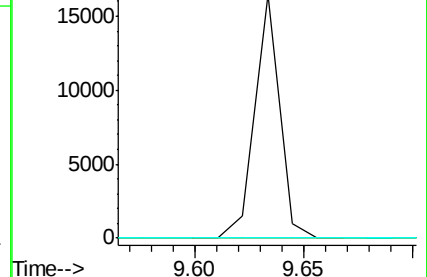
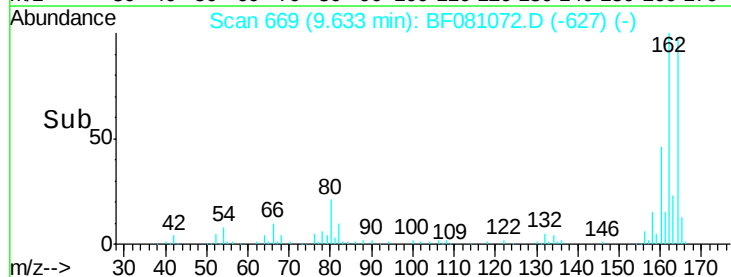
89 0.0 47.6 71.4#

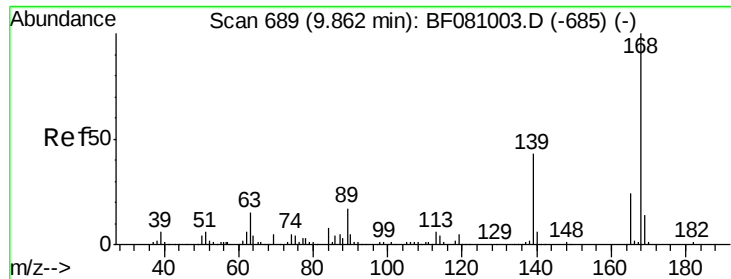


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

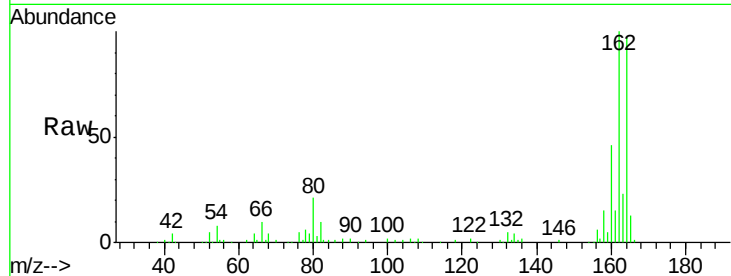




#56
 2,4-Dinitrotoluene
 Concen: 5.50 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.22 min
 Lab File: BF081072.D
 Acq: 19 Aug 2015 7:59

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-5

Tgt Ion:	165	Resp:	12993
Ion Ratio	Lower	Upper	
165	100		
63	0.0	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#

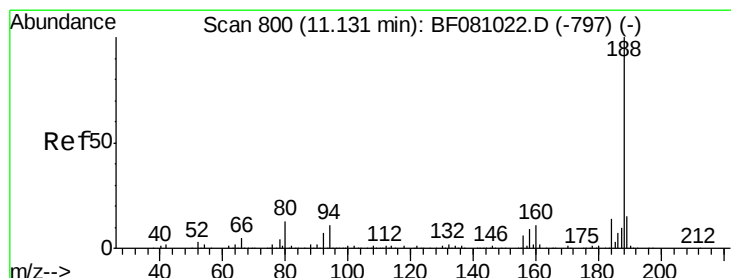
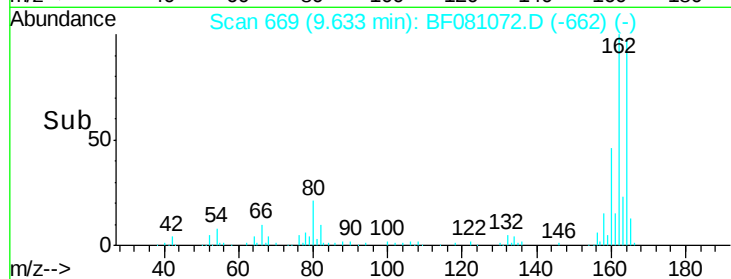
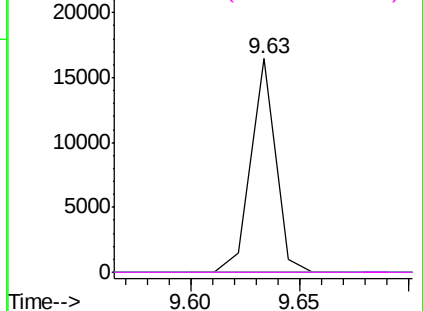


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

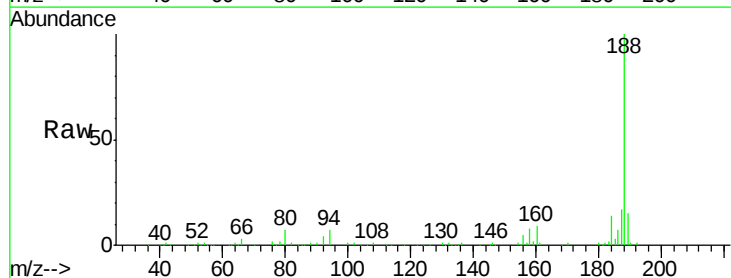
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF081072.D
 Acq: 19 Aug 2015 7:59

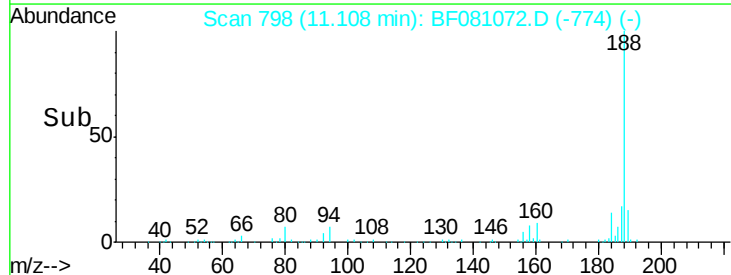
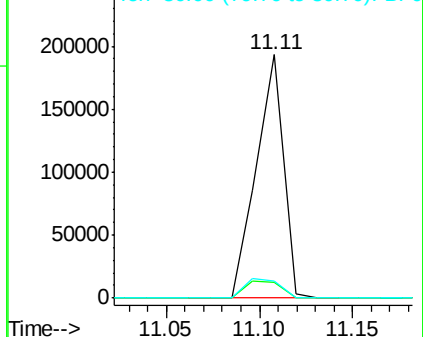
Tgt Ion:	188	Resp:	194846
Ion Ratio	Lower	Upper	
188	100		
94	6.5	8.2	12.2#
80	6.9	9.5	14.3#

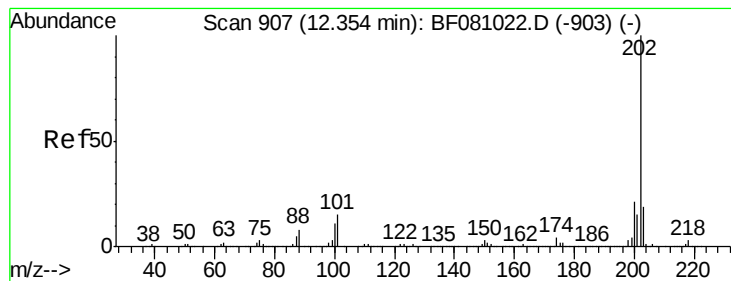


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.08 ng

RT: 12.31 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

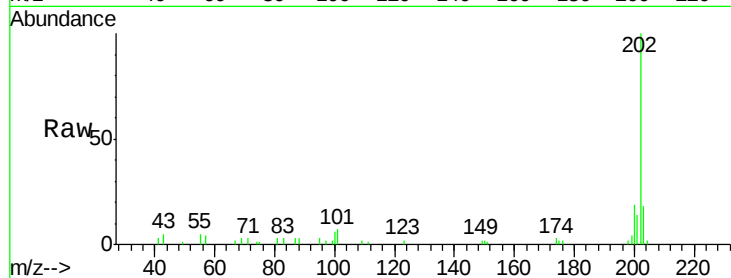
Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

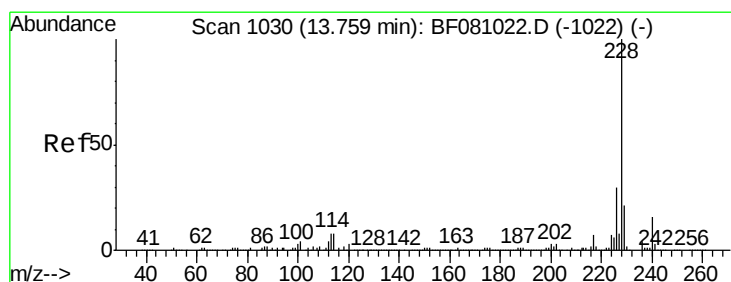
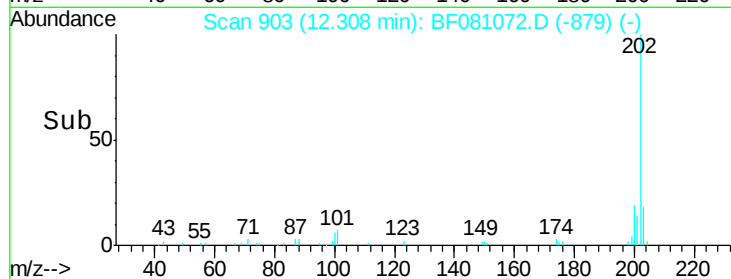
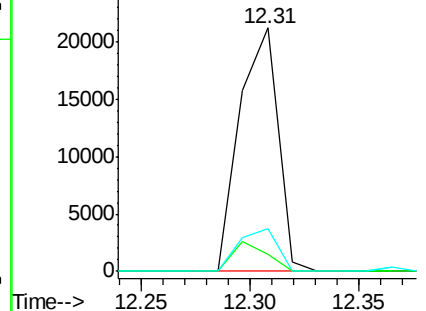
Tgt Ion:	202	Resp:	25947
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	24.8
203	17.7	0.0	36.9



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

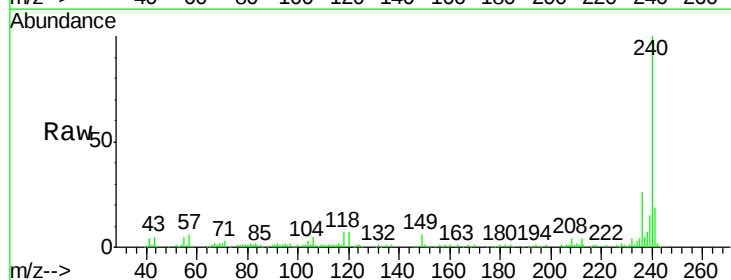
RT: 13.73 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

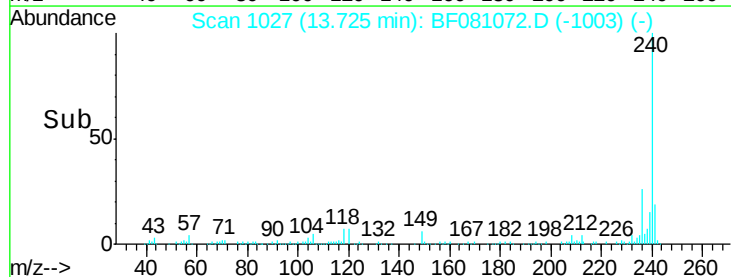
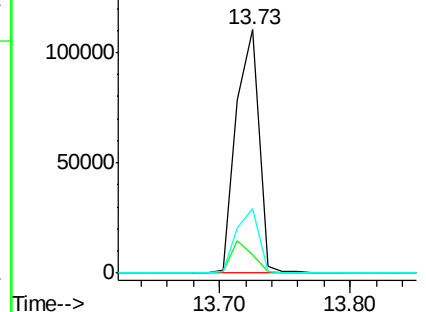
Tgt Ion:	240	Resp:	133936
Ion Ratio	Lower	Upper	
240	100		
120	7.5	5.6	8.4
236	26.2	20.6	30.8

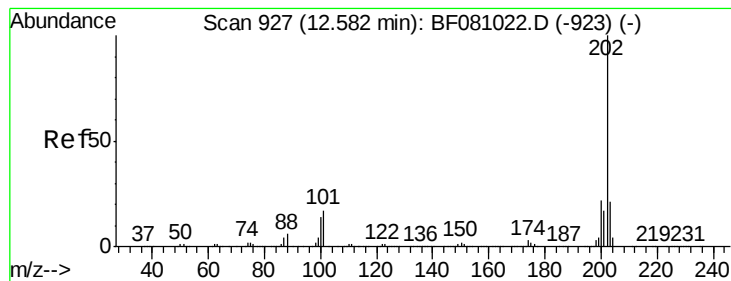


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.03 ng

RT: 12.53 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

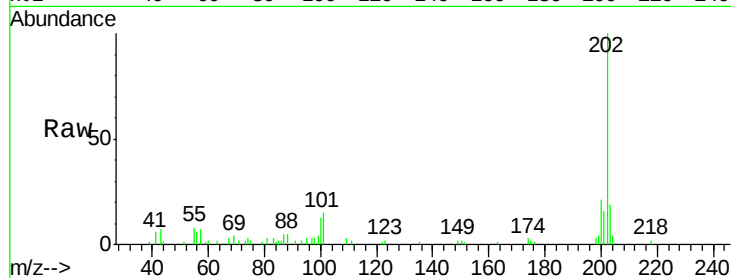
Tgt Ion: 202 Resp: 22149

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

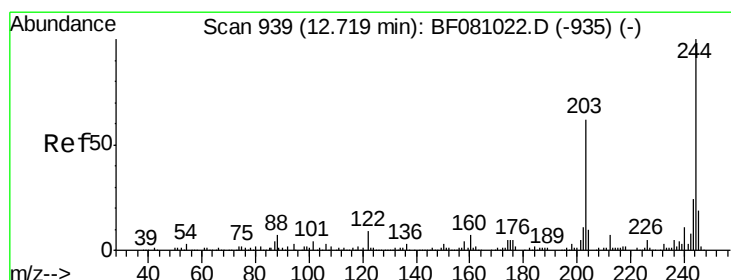
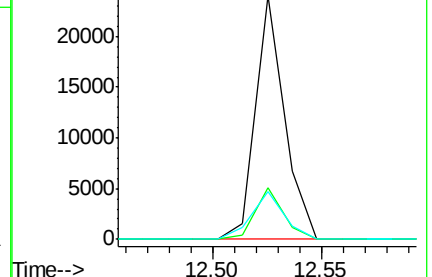
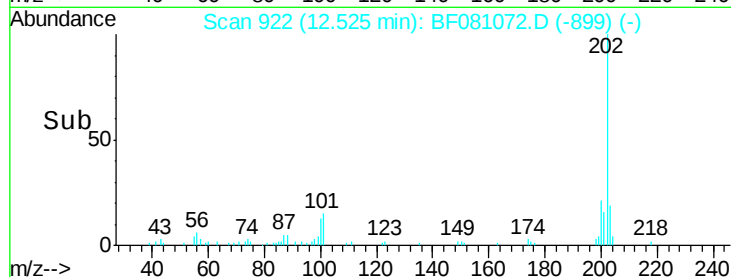
203 19.5 14.1 21.1



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: 18.07 ng

RT: 12.69 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

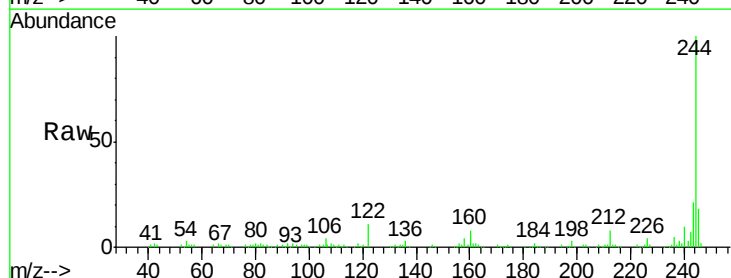
Tgt Ion: 244 Resp: 112921

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

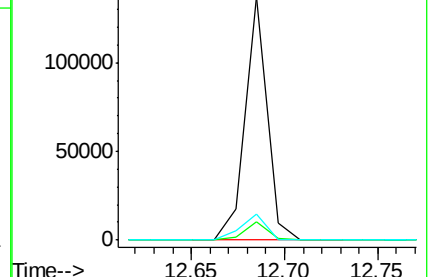
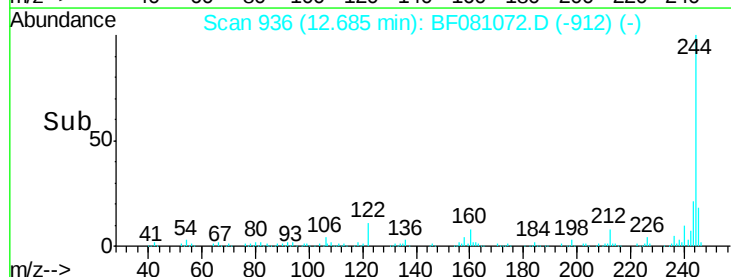
122 10.8 8.2 12.4

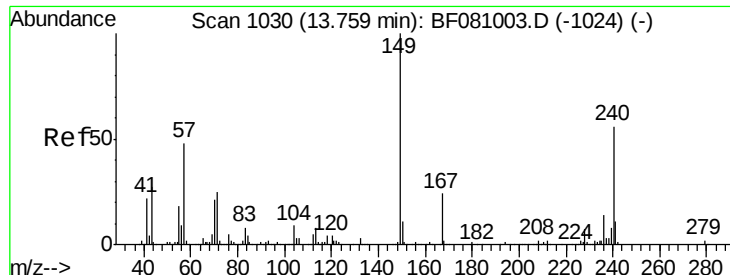


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

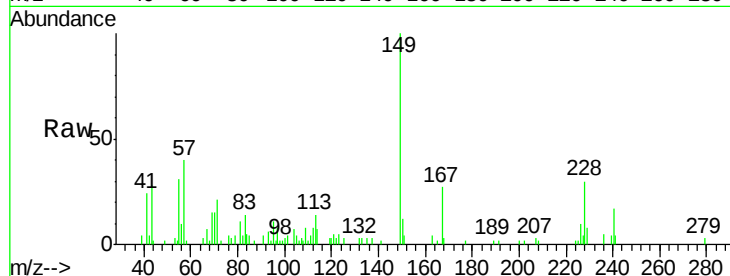




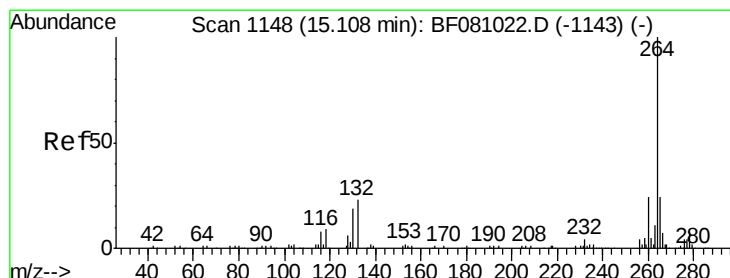
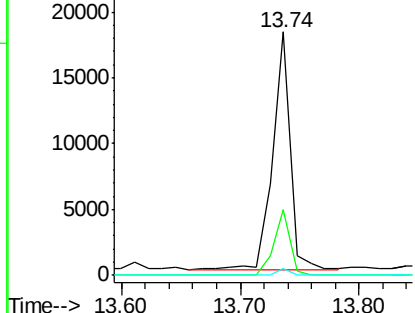
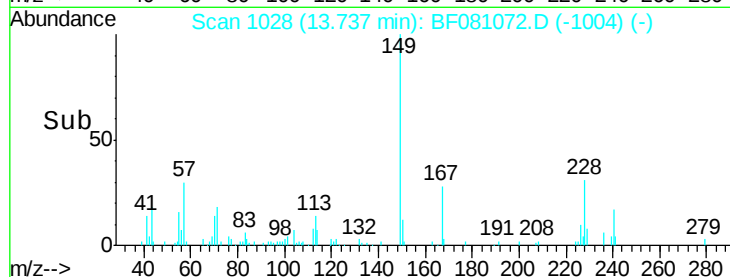
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.08 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BF081072.D
 Acq: 19 Aug 2015 7:59

Instrument :
 BNA_F
 ClientSampleId :
 RAMPB-T(0-2)-5

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.7	31.1
279	3.0	2.2	3.4

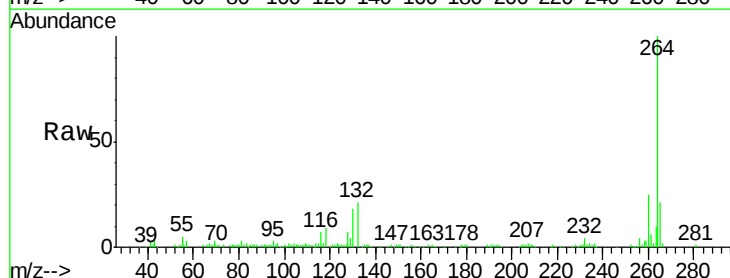


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

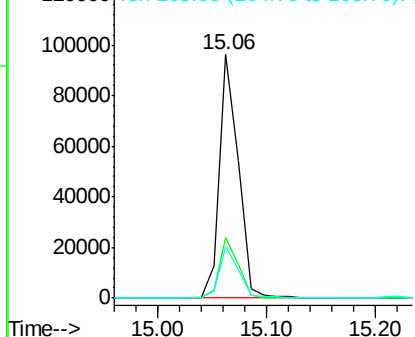
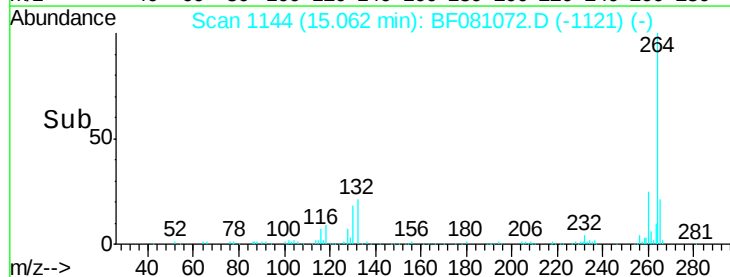


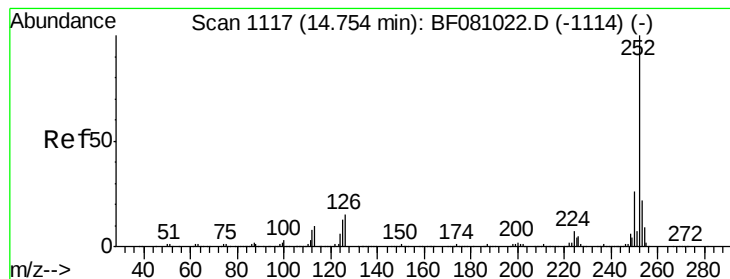
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1144
 Delta R.T. -0.03 min
 Lab File: BF081072.D
 Acq: 19 Aug 2015 7:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	21.4	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.35 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

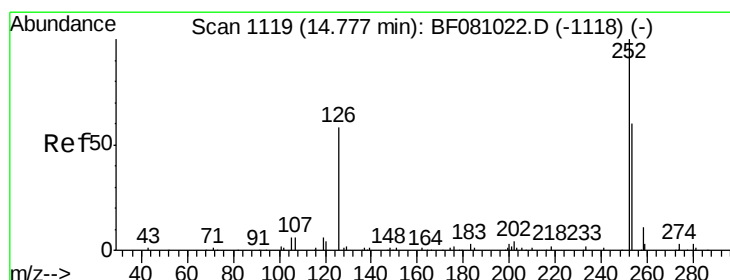
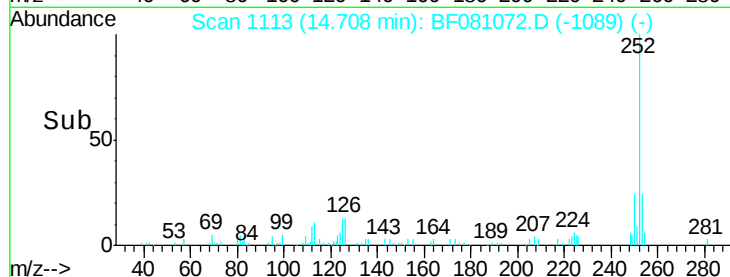
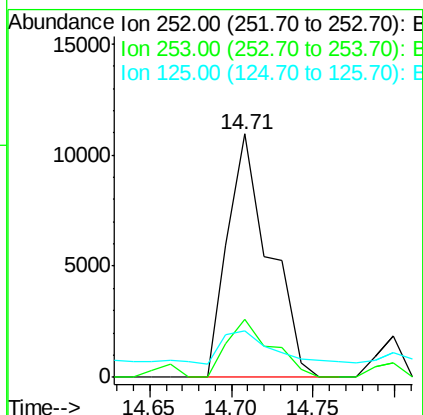
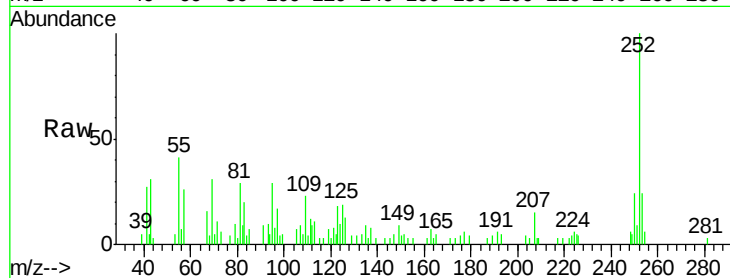
Instrument :

BNA_F

ClientSampleId :

RAMPB-T(0-2)-5

Tgt Ion:	252	Resp:	19366
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.1	25.7
125	19.2	8.0	12.0#



#88

Benzo(k)fluoranthene

Concen: 2.52 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.06 min

Lab File: BF081072.D

Acq: 19 Aug 2015 7:59

Tgt Ion:	252	Resp:	19366
Ion Ratio		Lower	Upper
252	100		
253	23.7	17.6	26.4
125	19.2	10.3	15.5#

