

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081034.D
 Acq On : 18 Aug 2015 7:25
 Operator : UM/IZ
 Sample : G3290-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2A(0-2)-5

Quant Time: Aug 18 08:31:27 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

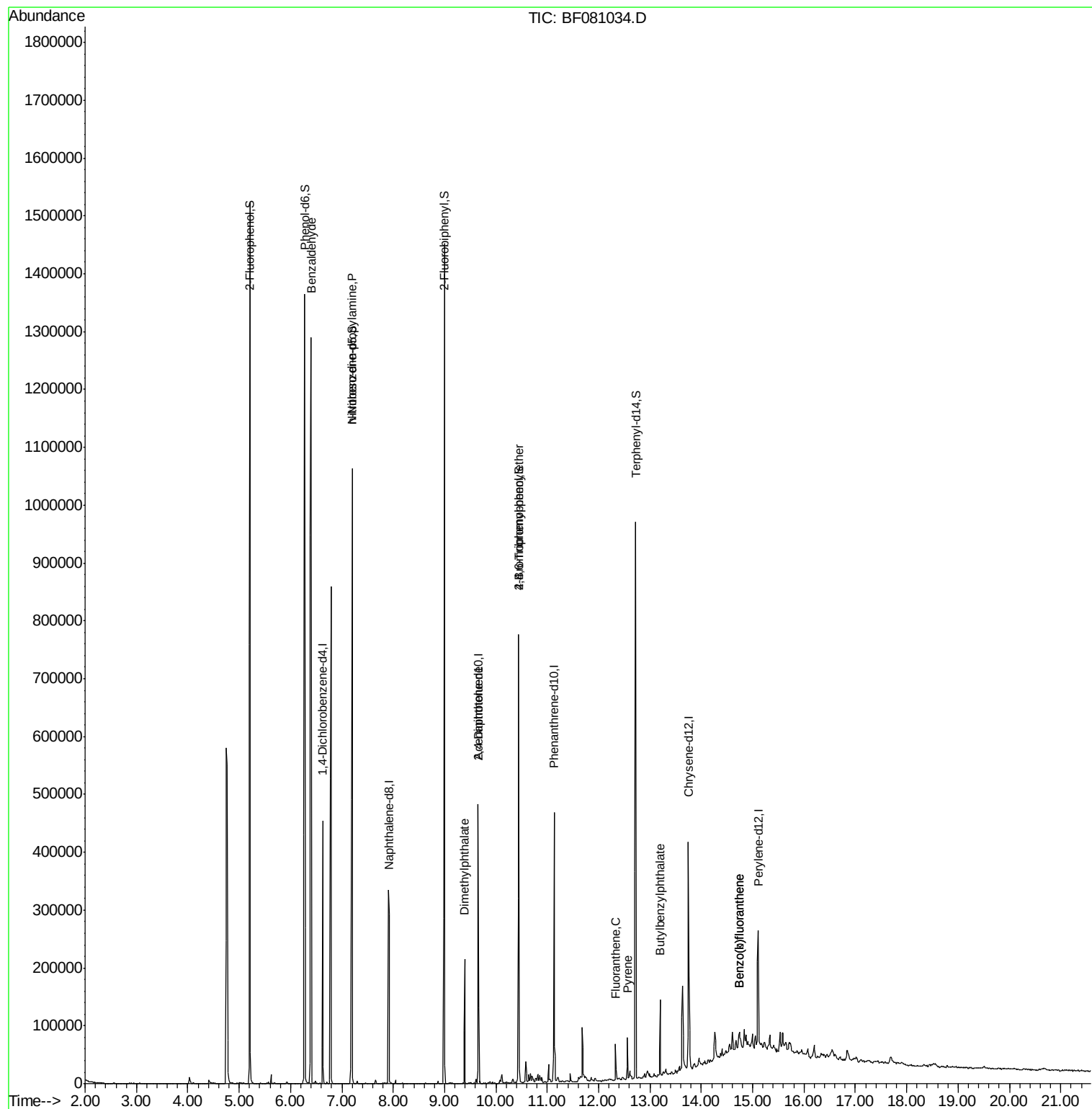
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	58159	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	207916	20.00	ng	0.01
38) Acenaphthene-d10	9.66	164	89455	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	153846	20.00	ng	0.00
75) Chrysene-d12	13.75	240	125084	20.00	ng	0.00
86) Perylene-d12	15.11	264	89180	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	405001	104.74	ng	0.02
7) Phenol-d6	6.27	99	482476	95.63	ng	0.01
23) Nitrobenzene-d5	7.20	82	367372	80.72	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	69228	89.28	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	394734	57.82	ng	0.00
78) Terphenyl-d14	12.72	244	297467	50.98	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.40	77	10017	3.08	ng	94
19) n-Nitroso-di-n-propylamine	7.20	70	48994	14.02	ng	# 68
49) Dimethylphthalate	9.39	163	94038	12.76	ng	# 99
56) 2,4-Dinitrotoluene	9.66	165	11285	5.38	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	5780	3.82	ng	# 1
74) Fluoranthene	12.33	202	25503	2.59	ng	93
77) Pyrene	12.56	202	24251	2.38	ng	97
79) Butylbenzylphthalate	13.20	149	29604	6.77	ng	# 86
87) Benzo(b)fluoranthene	14.74	252	18098	2.87	ng	# 87
88) Benzo(k)fluoranthene	14.74	252	18098	3.08	ng	# 90

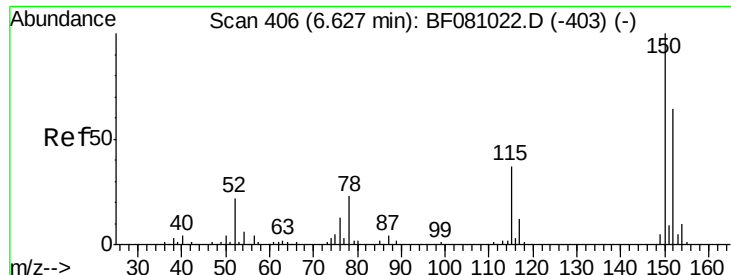
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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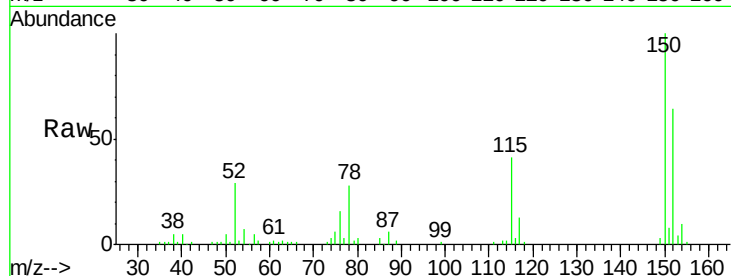


#1

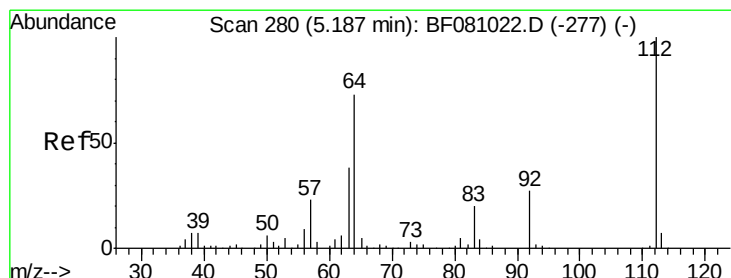
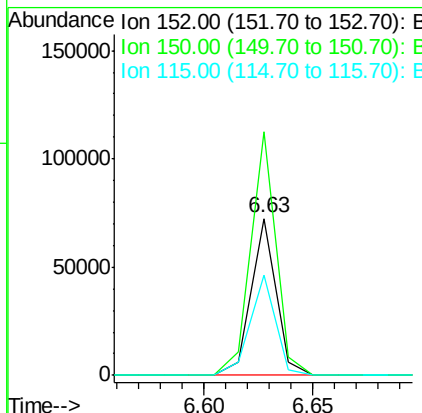
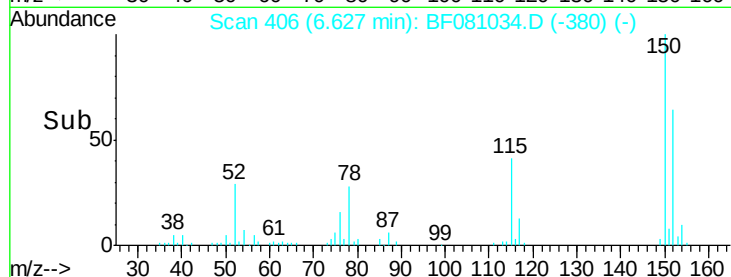
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Instrument :
BNA_F
ClientSampleId :
2A(0-2)-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.8	185.6
115	63.6	52.1	78.1



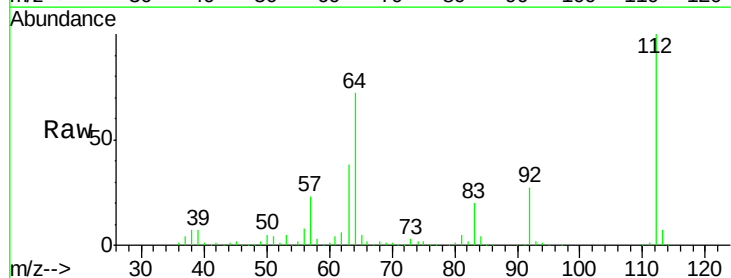
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



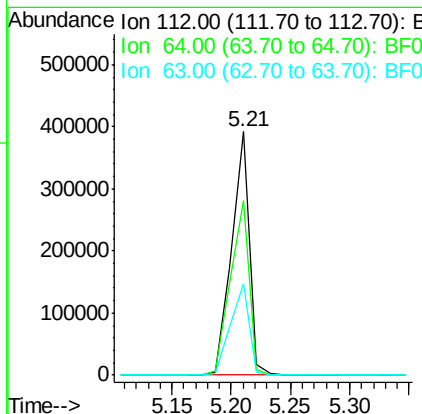
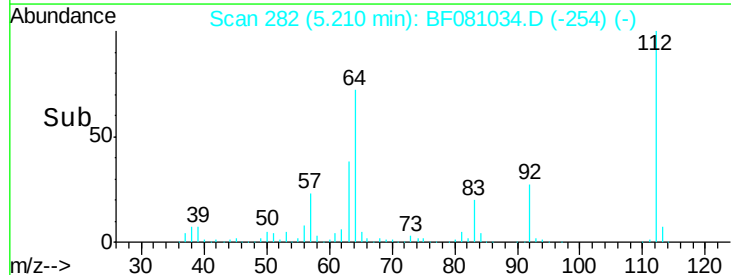
#5

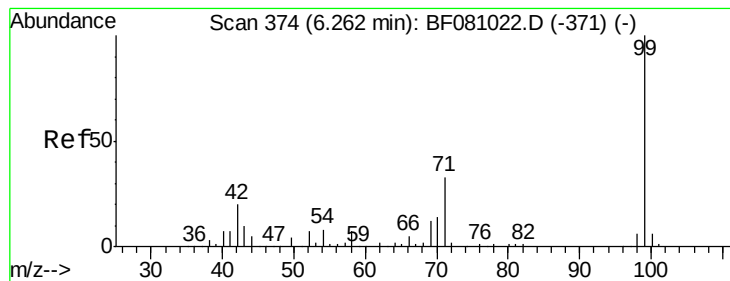
2-Fluorophenol
Concen: 104.74 ng
RT: 5.21 min Scan# 282
Delta R.T. 0.02 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	66.9	100.3
63	37.7	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: 95.63 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-5

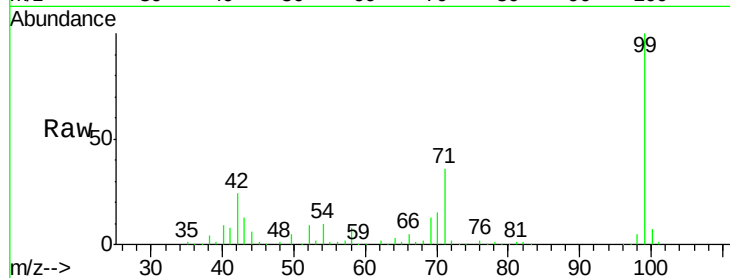
Tot Ion: 99 Resp: 482476

Ion Ratio Lower Upper

99 100

42 23.5 19.6 29.4

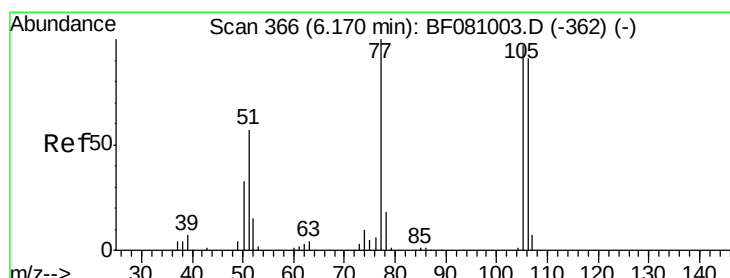
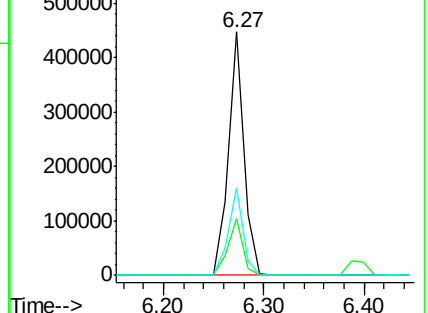
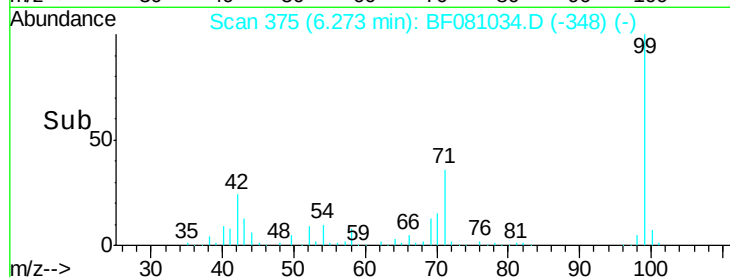
71 36.2 31.2 46.8



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



#9

Benzaldehyde

Concen: 3.08 ng

RT: 6.40 min Scan# 386

Delta R.T. 0.24 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

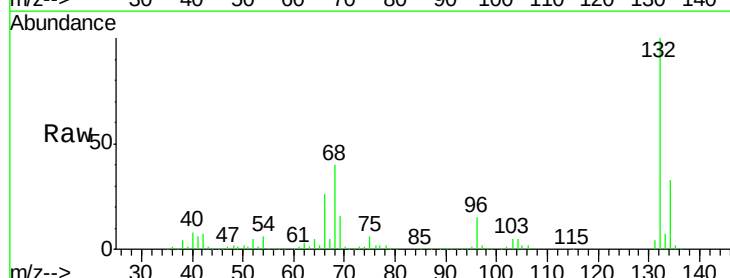
Tgt Ion: 77 Resp: 10017

Ion Ratio Lower Upper

77 100

105 87.6 69.6 109.6

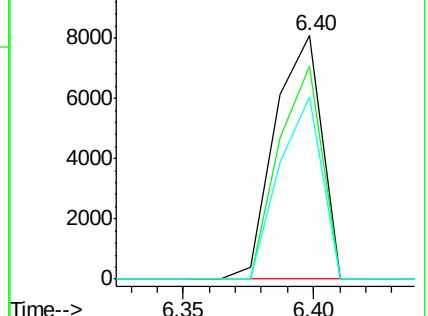
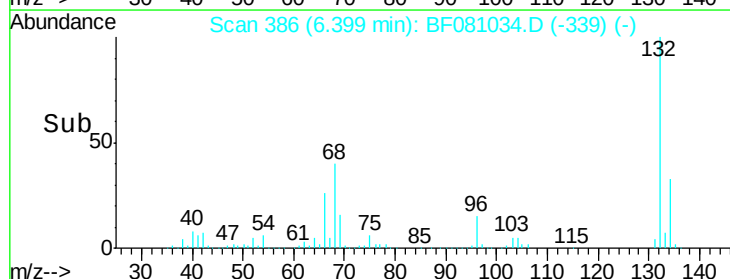
106 74.7 64.0 104.0

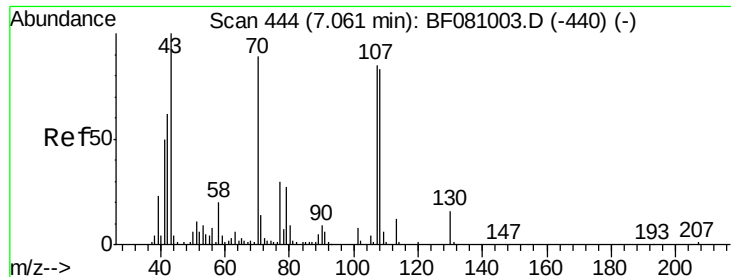


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

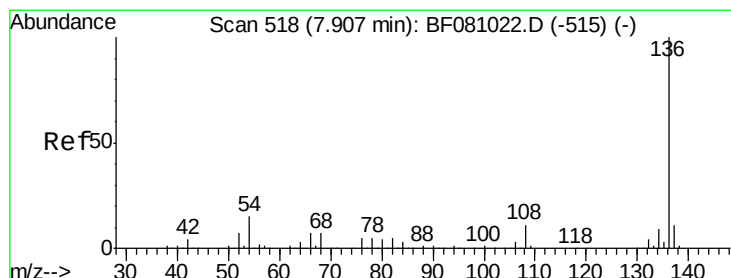
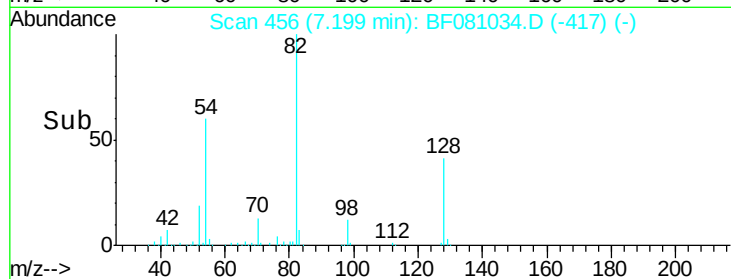
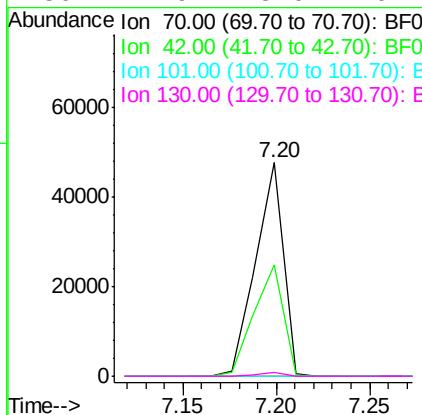
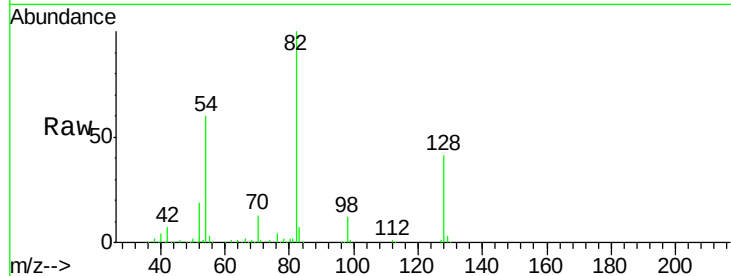




#19
n-Nitroso-di-n-propylamine
Concen: 14.02 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.15 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

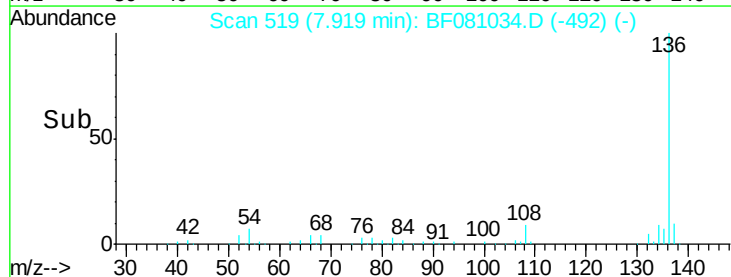
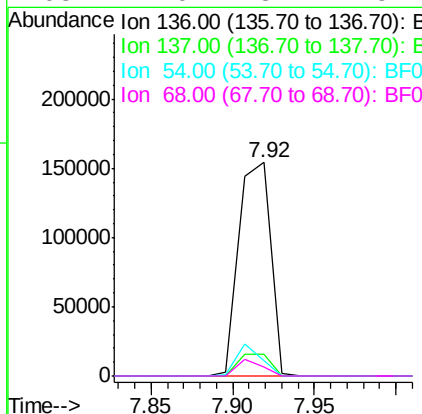
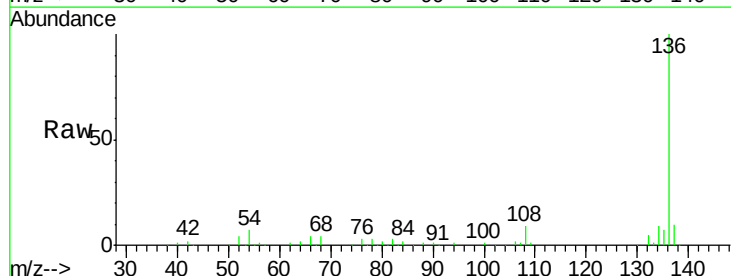
Instrument :
BNA_F
ClientSampleId :
2A(0-2)-5

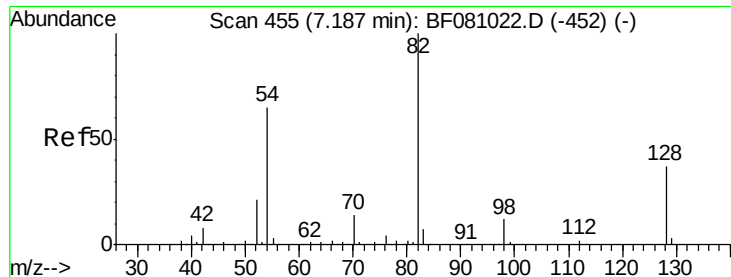
Tot Ion: 70 Resp: 48994
Ion Ratio Lower Upper
70 100
42 51.9 65.0 97.4#
101 0.0 7.4 11.2#
130 1.9 13.0 19.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Tgt Ion: 136 Resp: 207916
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.2
54 7.1 7.7 11.5#
68 4.0 3.4 5.2

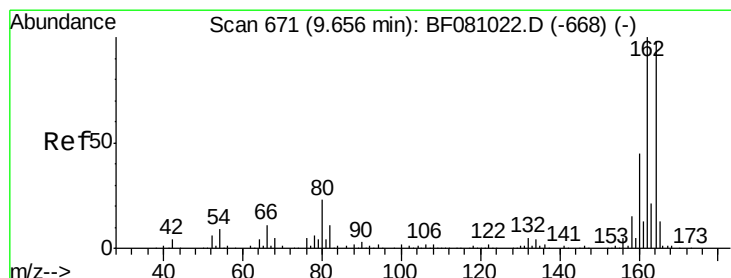
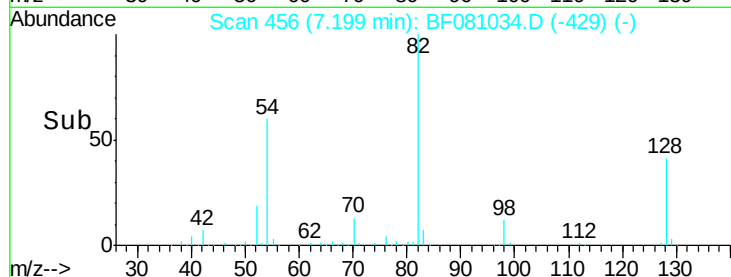
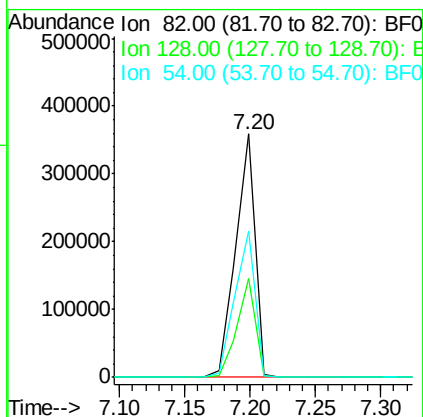
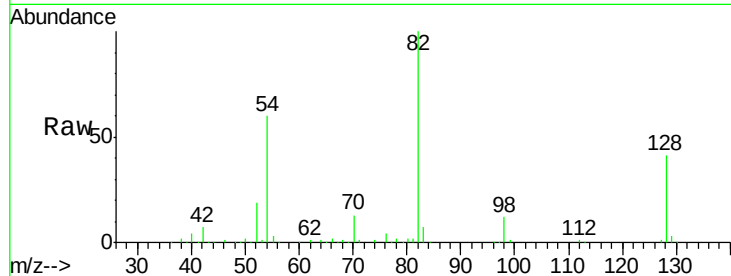




#23
 Nitrobenzene-d5
 Concen: 80.72 ng
 RT: 7.20 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: BF081034.D
 Acq: 18 Aug 2015 7:25

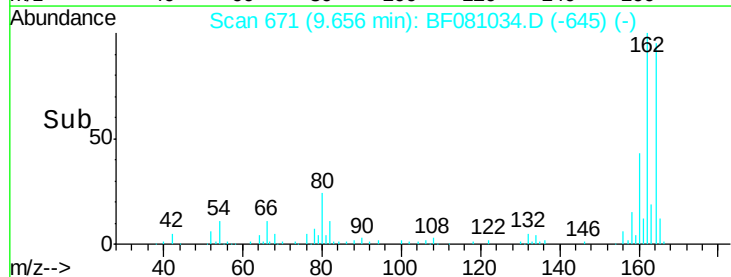
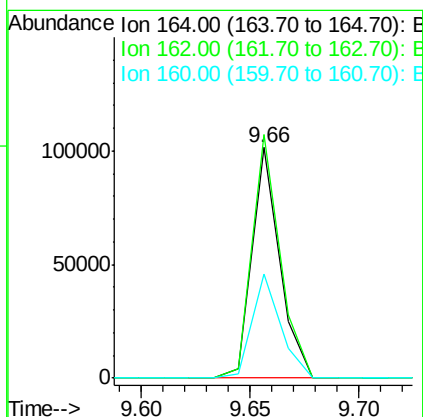
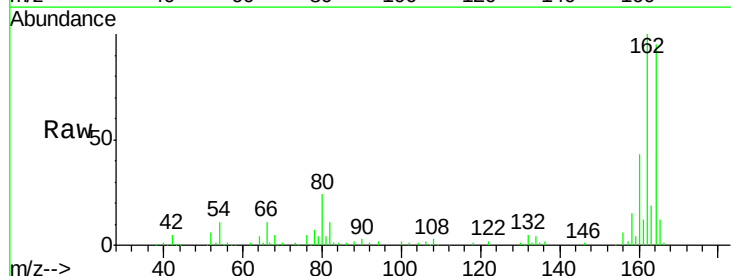
Instrument :
 BNA_F
 ClientSampleId :
 2A(0-2)-5

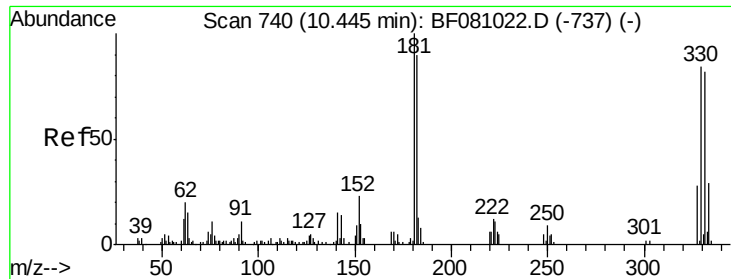
Tot Ion	82	Resp	367372
Ion Ratio	Lower	Upper	
82	100		
128	40.5	28.6	42.8
54	60.0	55.1	82.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF081034.D
 Acq: 18 Aug 2015 7:25

Tgt Ion	164	Resp	89455
Ion Ratio	Lower	Upper	
164	100		
162	105.5	83.8	125.8
160	45.1	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 89.28 ng

RT: 10.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-5

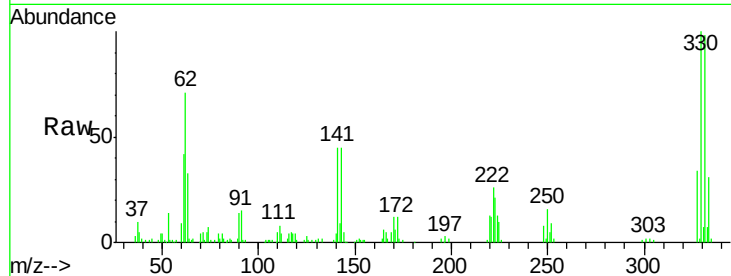
Tot Ion:330 Resp: 69228

Ion Ratio Lower Upper

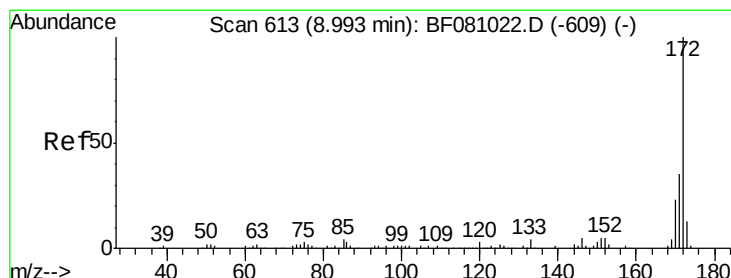
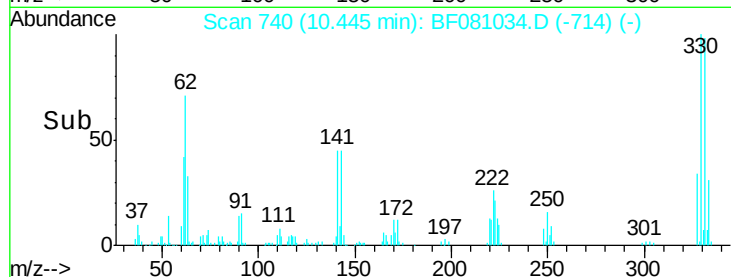
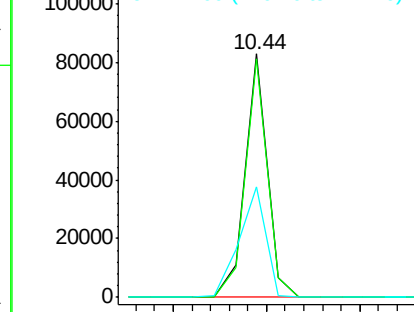
330 100

332 97.3 77.3 115.9

141 54.6 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: 57.82 ng

RT: 8.99 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

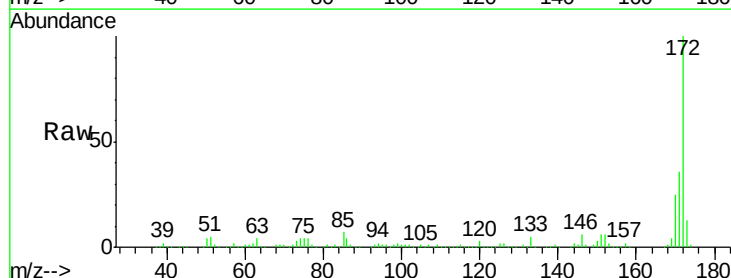
Tgt Ion:172 Resp: 394734

Ion Ratio Lower Upper

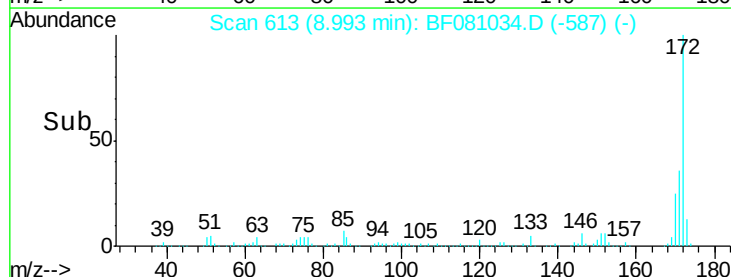
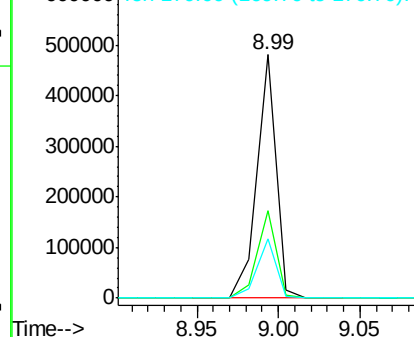
172 100

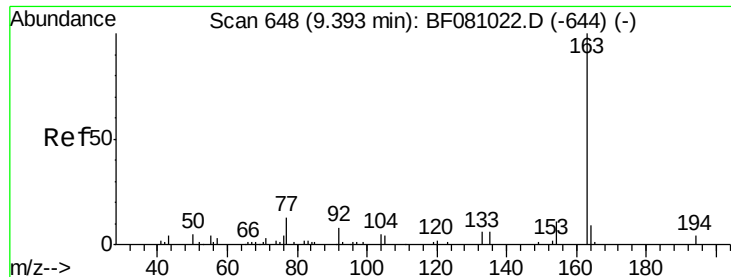
171 36.1 28.9 43.3

170 24.6 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

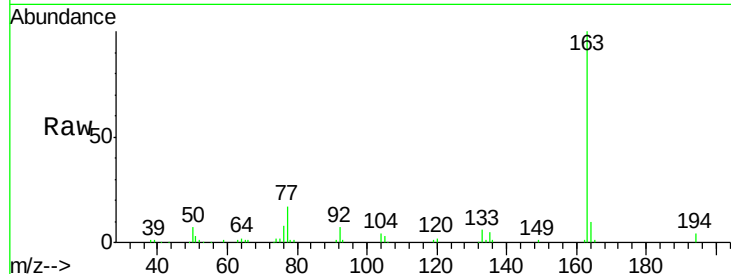




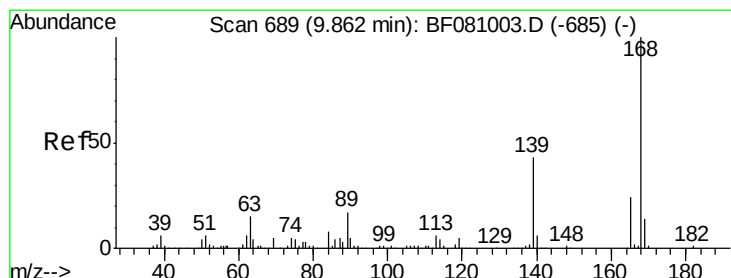
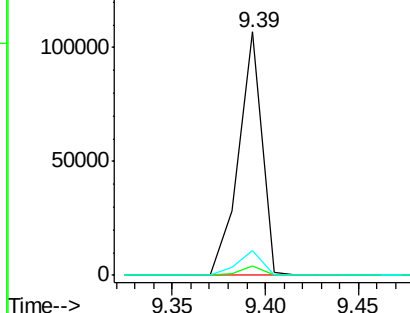
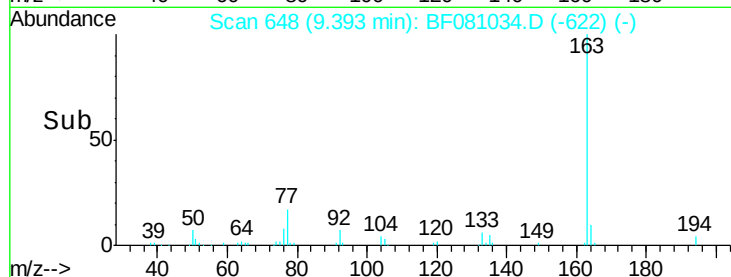
#49
Dimethylphthalate
Concen: 12.76 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Instrument :
BNA_F
ClientSampleId :
2A(0-2)-5

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.5	3.7#
164	9.9	8.1	12.1

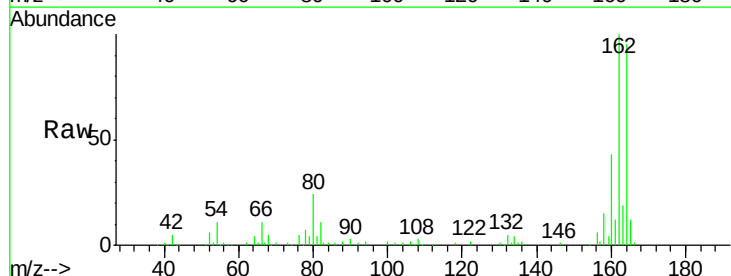


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

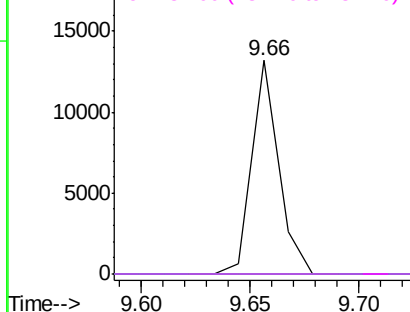
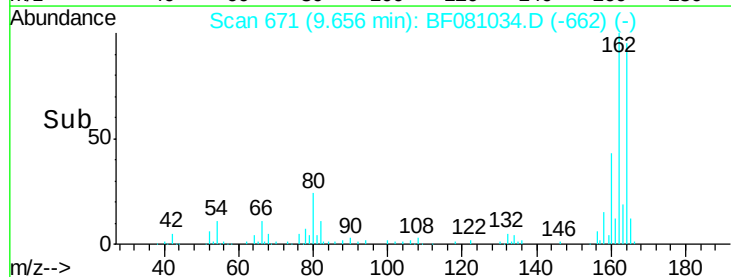


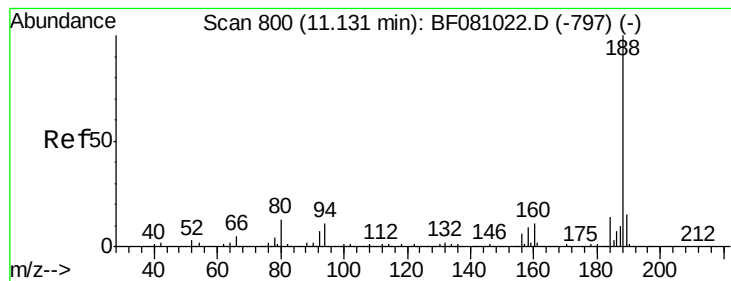
#56
2,4-Dinitrotoluene
Concen: 5.38 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Tgt 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: 11.13 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

Instrument :

BNA_F

ClientSampled :

2A(0-2)-5

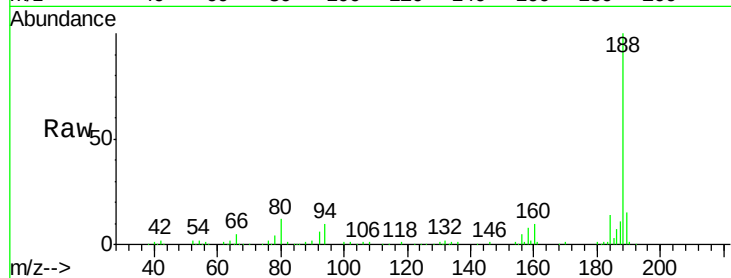
Tot Ion:188 Resp: 153846

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

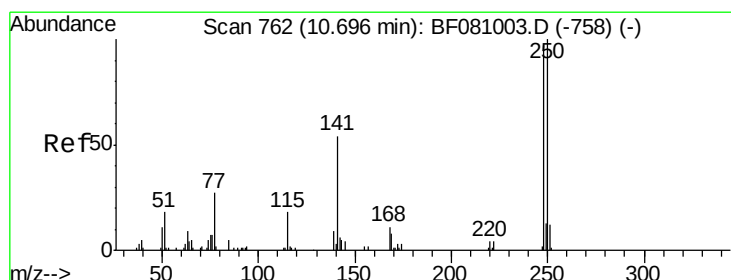
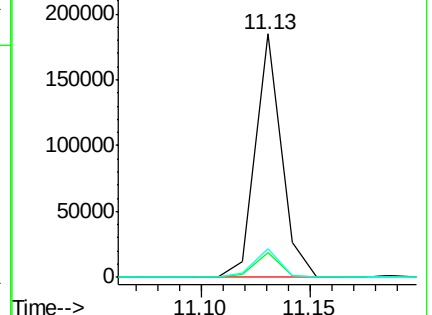
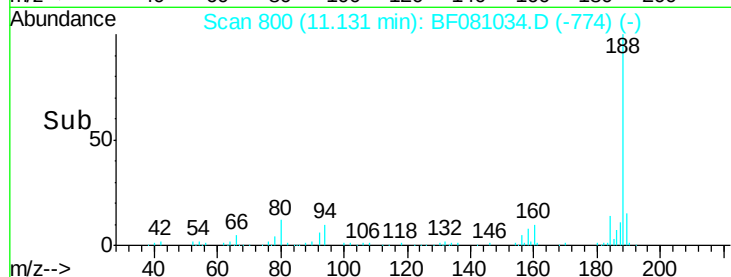
80 11.8 9.5 14.3



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



#66

4-Bromophenyl-phenylether

Concen: 3.82 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

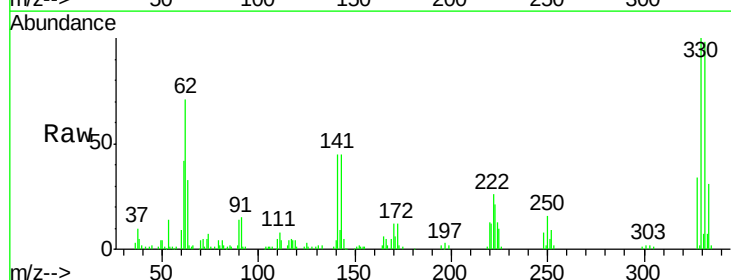
Tgt Ion:248 Resp: 5780

Ion Ratio Lower Upper

248 100

250 196.3 77.8 116.6#

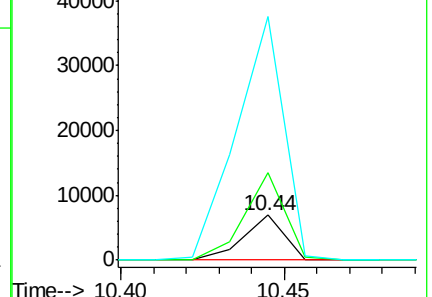
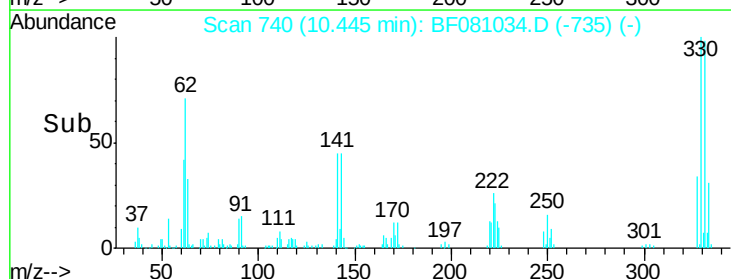
141 546.0 39.8 59.6#

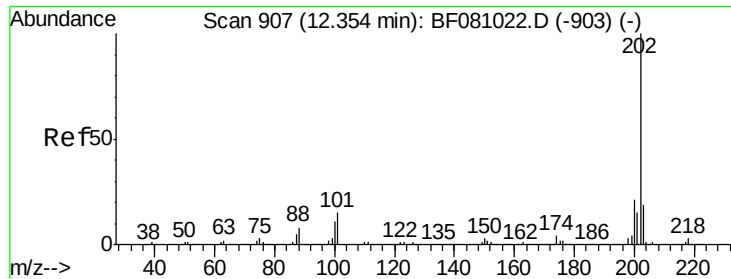


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.59 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

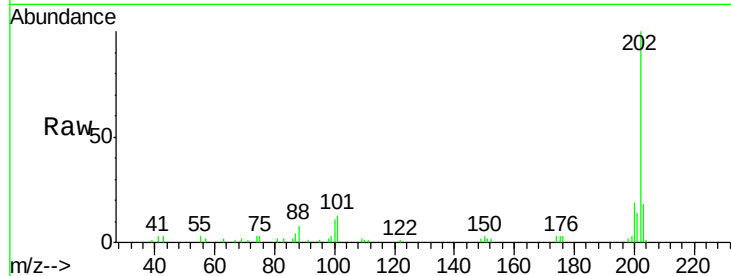
Instrument :

BNA_F

ClientSampleId :

2A(0-2)-5

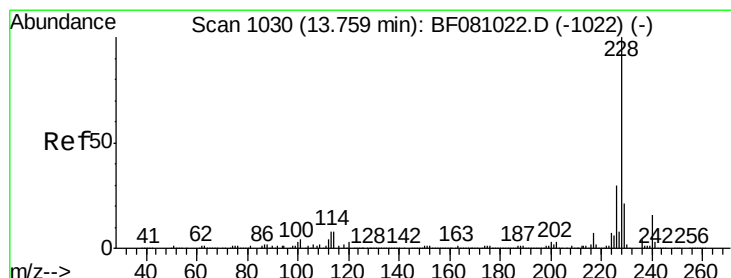
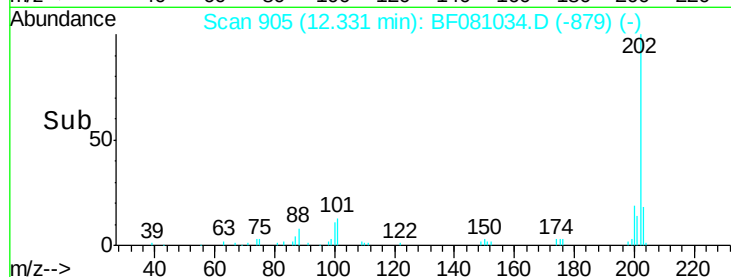
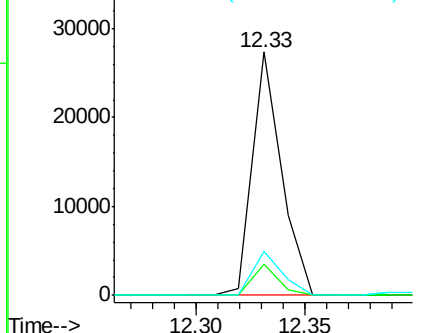
Tot Ion:	202	Resp:	25503
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	24.8
203	18.0	0.0	36.9



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

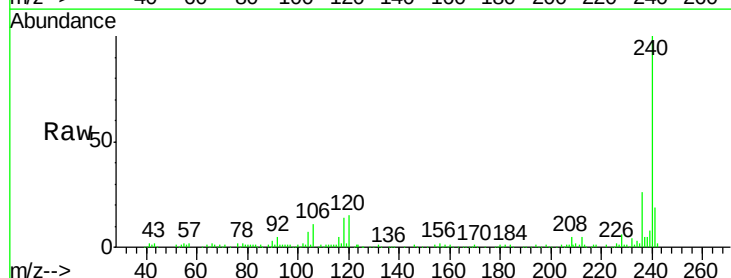
RT: 13.75 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

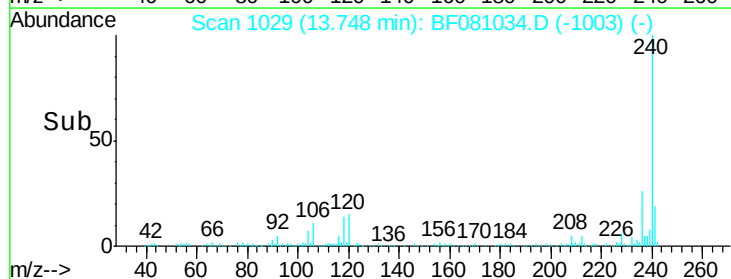
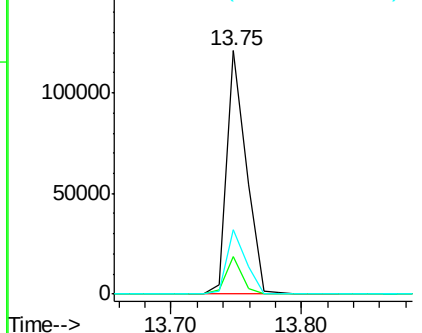
Tgt Ion:	240	Resp:	125084
Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.6	8.4#
236	26.2	20.6	30.8

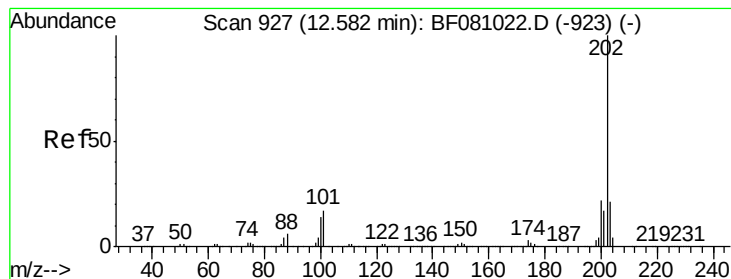


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.38 ng

RT: 12.56 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-5

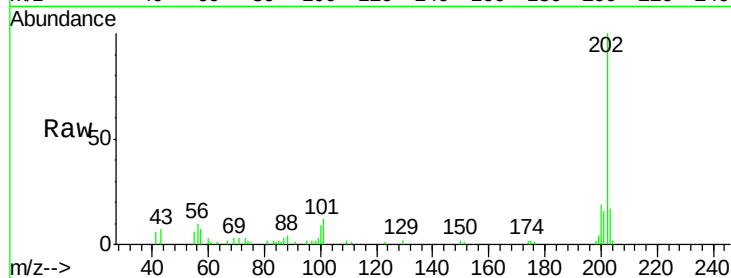
Tot Ion:202 Resp: 24251

Ion Ratio Lower Upper

202 100

200 19.0 16.6 24.8

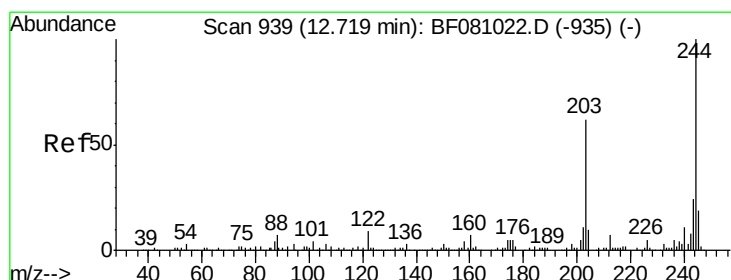
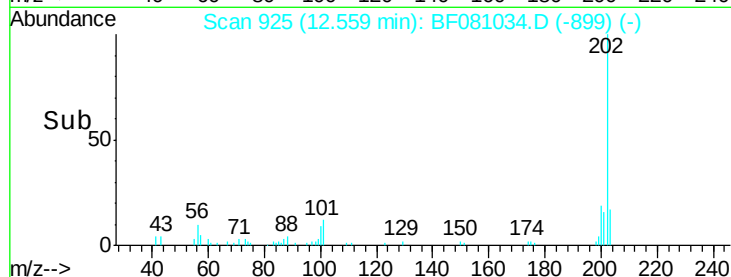
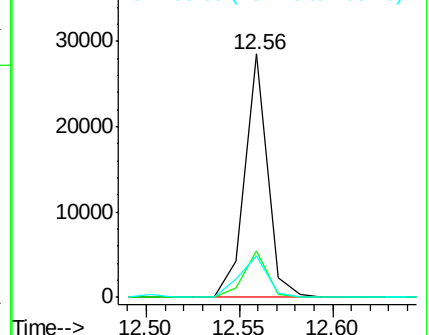
203 16.9 14.1 21.1



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: 50.98 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

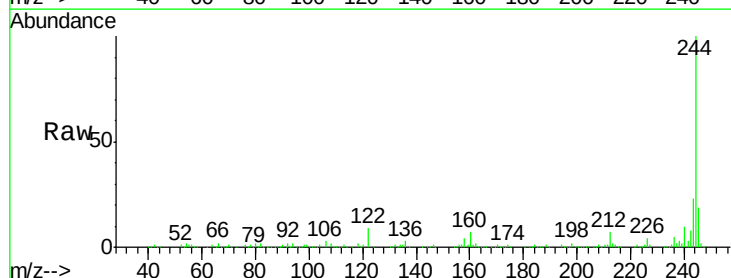
Tgt Ion:244 Resp: 297467

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

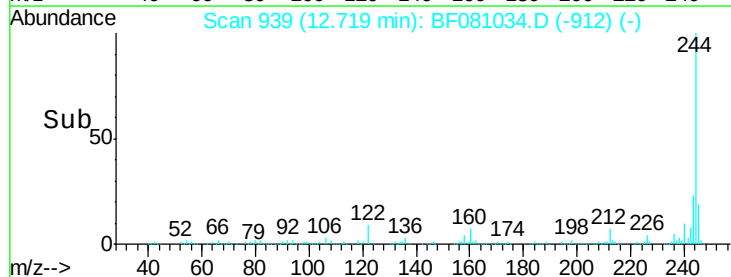
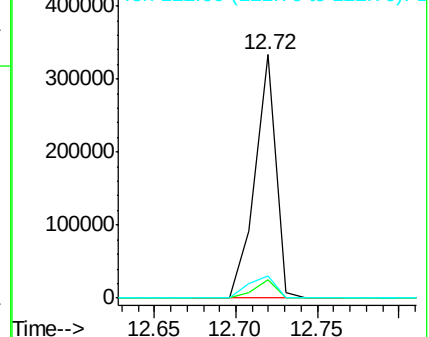
122 9.2 8.2 12.4

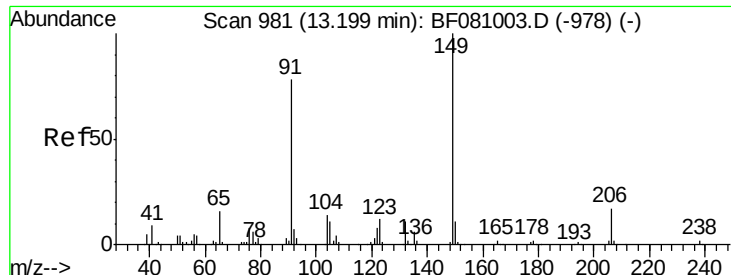


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

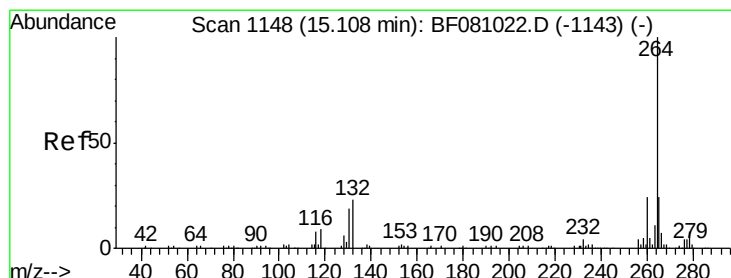
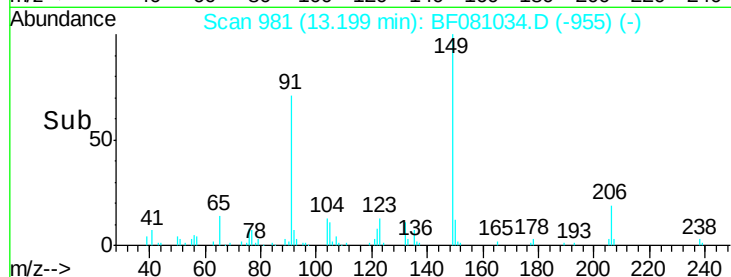
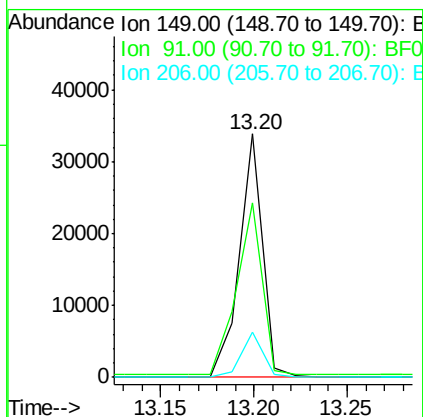
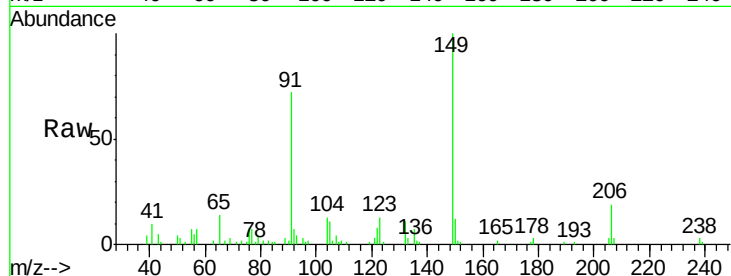




#79
Butylbenzylphthalate
Concen: 6.77 ng
RT: 13.20 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

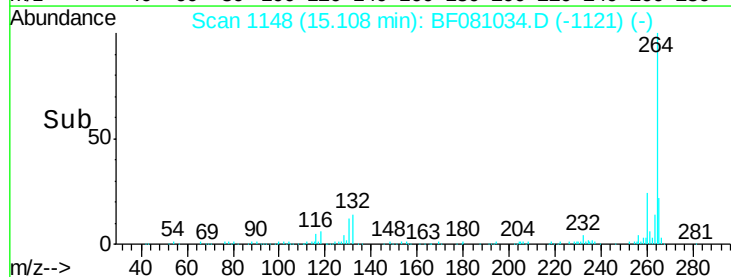
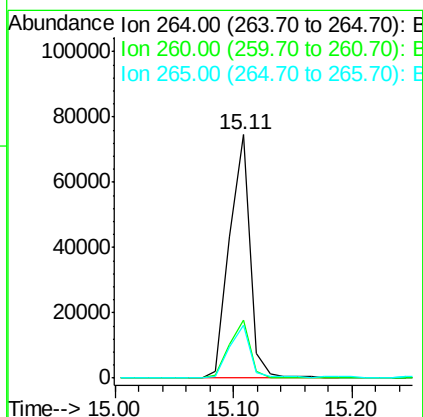
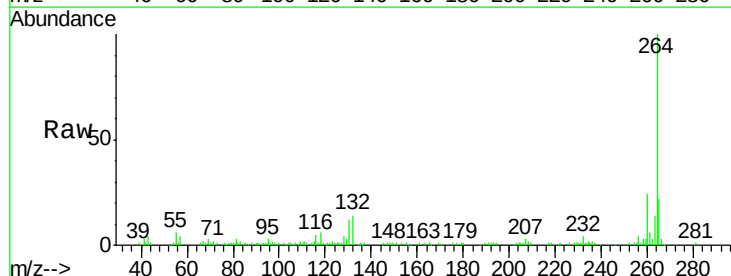
Instrument :
BNA_F
ClientSampleId :
2A(0-2)-5

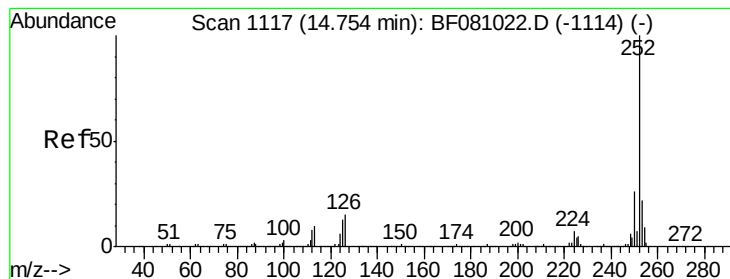
Tot Ion:149 Resp: 29604
Ion Ratio Lower Upper
149 100
91 71.8 46.9 70.3#
206 18.8 17.0 25.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081034.D
Acq: 18 Aug 2015 7:25

Tgt Ion:264 Resp: 89180
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.87 ng

RT: 14.74 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

Instrument :

BNA_F

ClientSampleId :

2A(0-2)-5

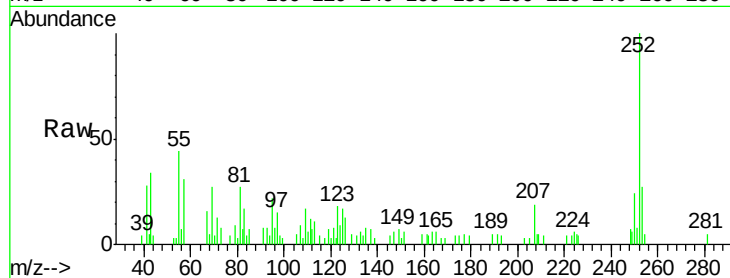
Tot Ion:252 Resp: 18098

Ion Ratio Lower Upper

252 100

253 26.8 17.1 25.7#

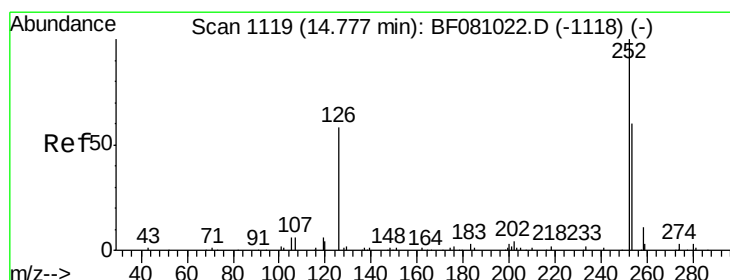
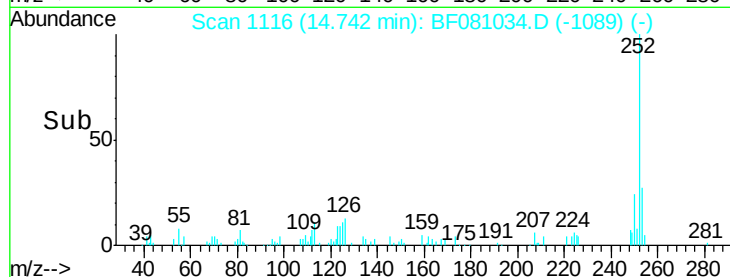
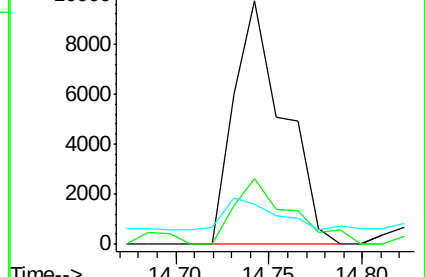
125 16.5 8.0 12.0#



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



#88

Benzo(k)fluoranthene

Concen: 3.08 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF081034.D

Acq: 18 Aug 2015 7:25

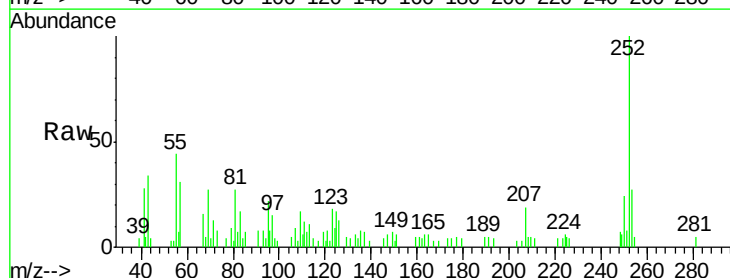
Tgt Ion:252 Resp: 18098

Ion Ratio Lower Upper

252 100

253 26.8 17.6 26.4#

125 16.5 10.3 15.5#



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

