

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081029.D
 Acq On : 18 Aug 2015 4:48
 Operator : UM/IZ
 Sample : G3310-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS03-0012-01

Quant Time: Aug 18 05:53:27 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

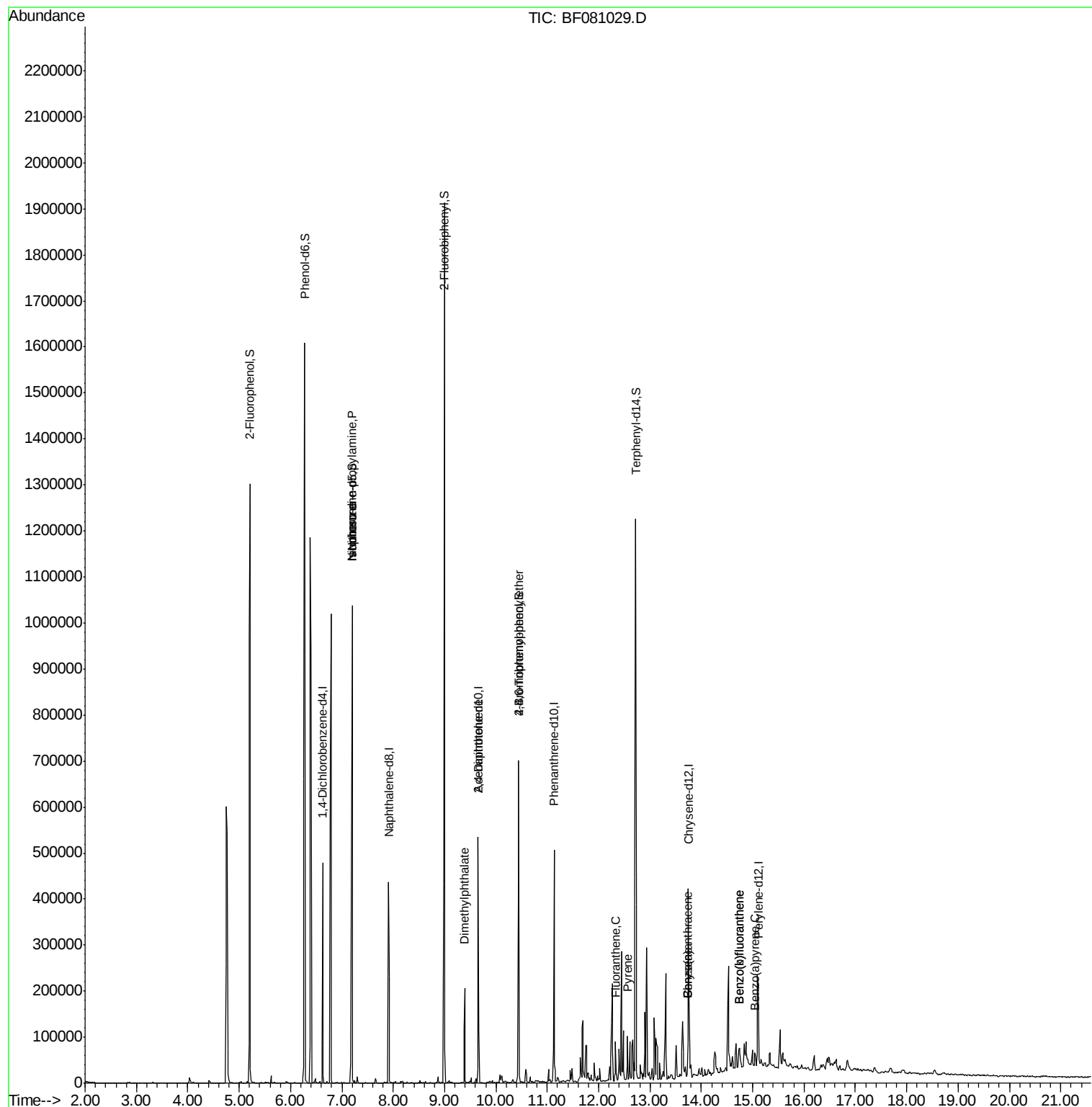
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	62862	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	215309	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	96336	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	163790	20.00	ng	0.00
75) Chrysene-d12	13.75	240	124213	20.00	ng	0.00
86) Perylene-d12	15.11	264	100040	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	418849	100.22	ng	0.02
7) Phenol-d6	6.27	99	531398	97.45	ng	0.01
23) Nitrobenzene-d5	7.20	82	380900	80.81	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	78111	93.54	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	529612	72.03	ng	0.00
78) Terphenyl-d14	12.72	244	350758	60.54	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	51522	13.64	ng	# 67
25) Isophorone	7.20	82	371433	42.26	ng	# 71
49) Dimethylphthalate	9.39	163	96927	12.22	ng	# 99
56) 2,4-Dinitrotoluene	9.66	165	12371	5.48	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	6246	3.88	ng	# 1
74) Fluoranthene	12.33	202	32233	3.08	ng	# 94
77) Pyrene	12.56	202	30250	3.00	ng	# 98
80) Benzo(a)anthracene	13.74	228	19994	2.40	ng	# 89
82) Chrysene	13.74	228	19994	2.66	ng	# 92
87) Benzo(b)fluoranthene	14.74	252	31424	4.44	ng	# 93
88) Benzo(k)fluoranthene	14.74	252	31424	4.77	ng	# 96
89) Benzo(a)pyrene	15.05	252	15264	2.48	ng	# 95

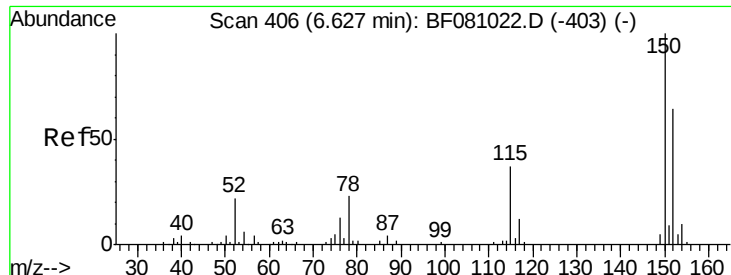
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

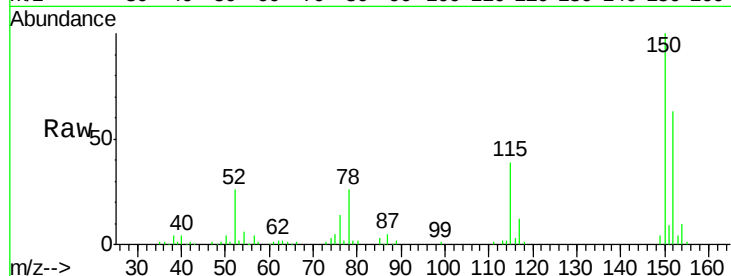
Tot Ion:152 Resp: 62862

Ion Ratio Lower Upper

152 100

150 158.7 123.8 185.6

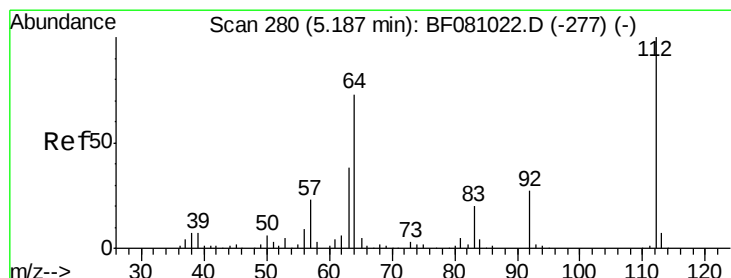
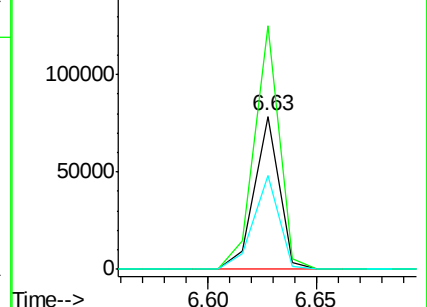
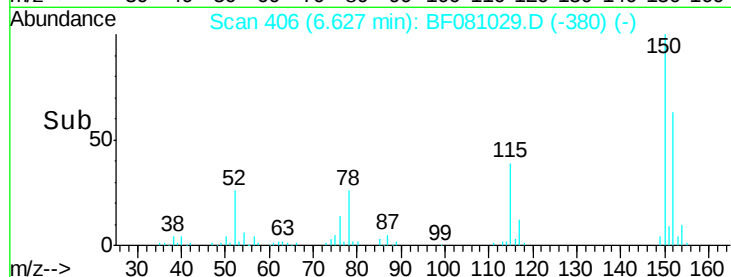
115 61.5 52.1 78.1



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: 100.22 ng

RT: 5.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

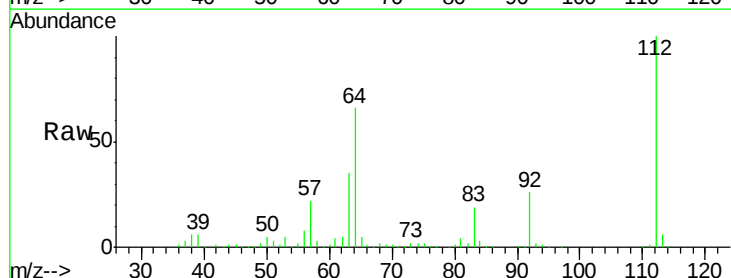
Tgt Ion:112 Resp: 418849

Ion Ratio Lower Upper

112 100

64 66.4 66.9 100.3#

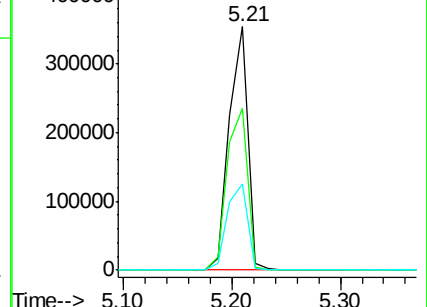
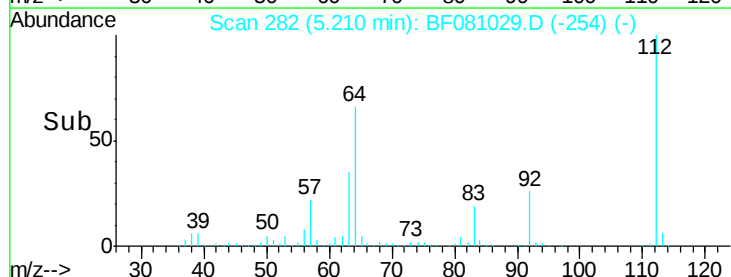
63 35.3 38.1 57.1#



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: 97.45 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

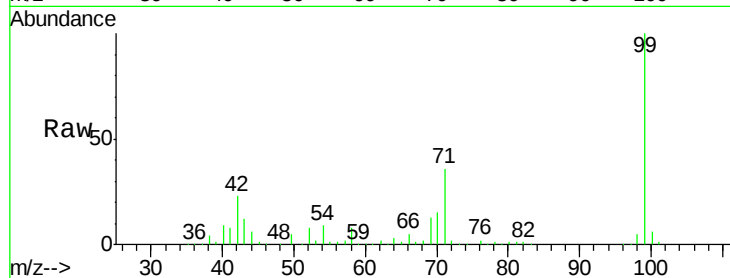
Tot Ion: 99 Resp: 531398

Ion Ratio Lower Upper

99 100

42 23.5 19.6 29.4

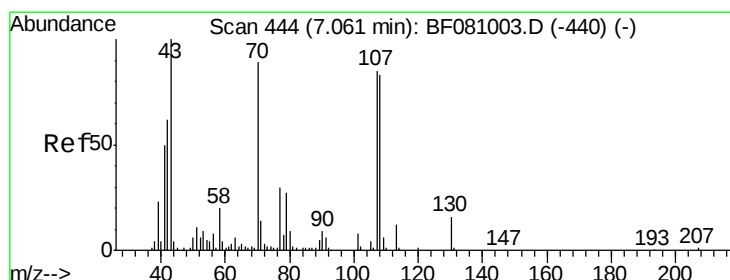
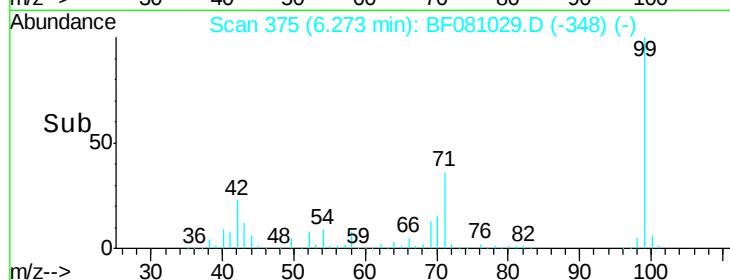
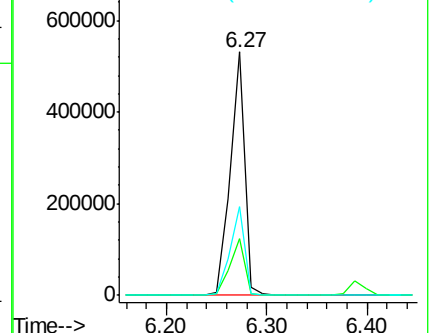
71 36.4 31.2 46.8



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: 13.64 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Tgt Ion: 70 Resp: 51522

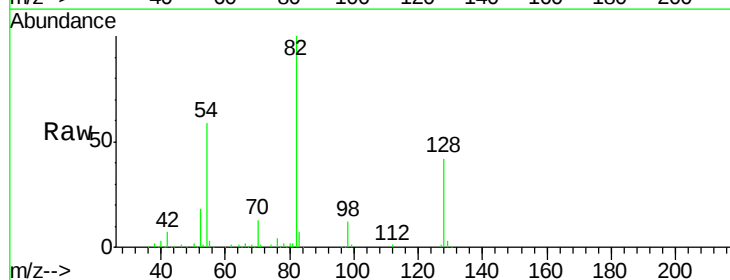
Ion Ratio Lower Upper

70 100

42 50.8 65.0 97.4#

101 0.0 7.4 11.2#

130 2.0 13.0 19.4#

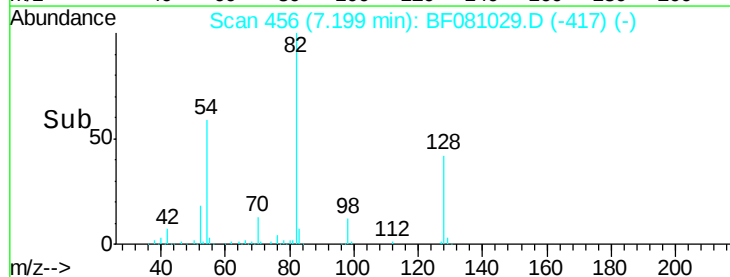
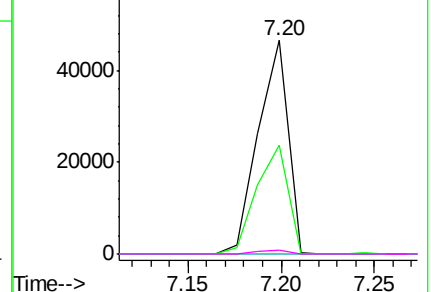


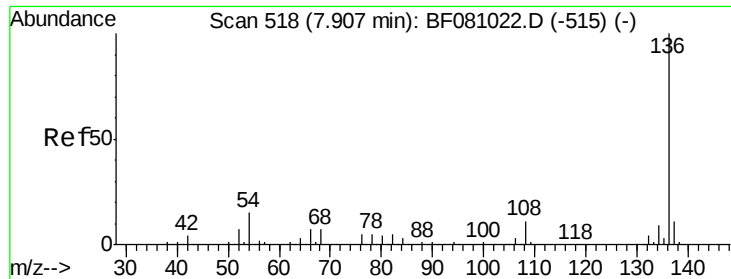
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

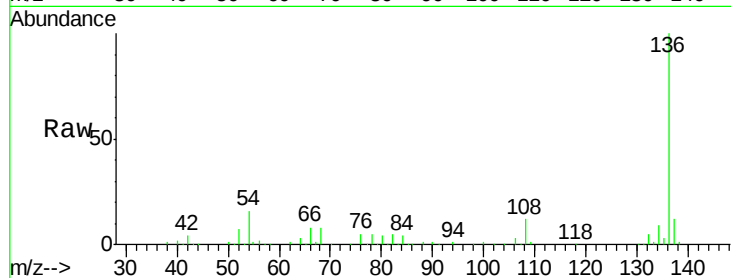




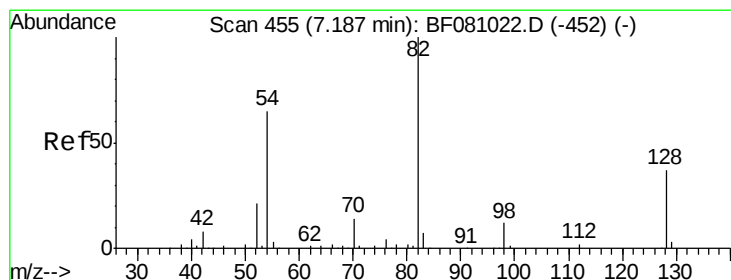
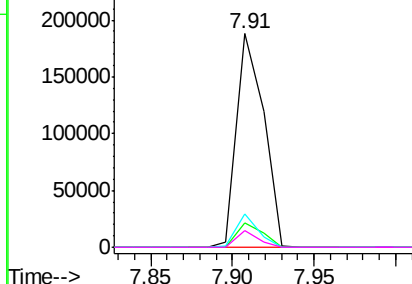
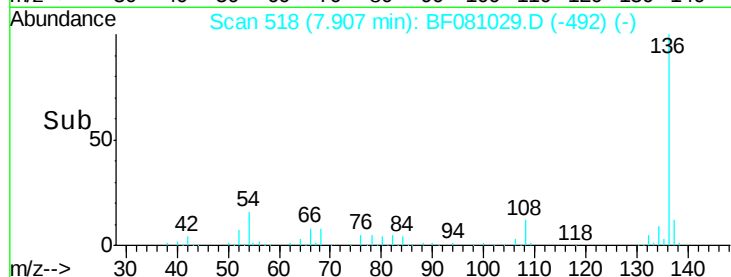
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Instrument :
BNA_F
ClientSampleId :
P001-DS03-0012-01

Tot Ion:136	Resp:	215309
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.2 12.2
54	15.6	7.7 11.5#
68	7.7	3.4 5.2#

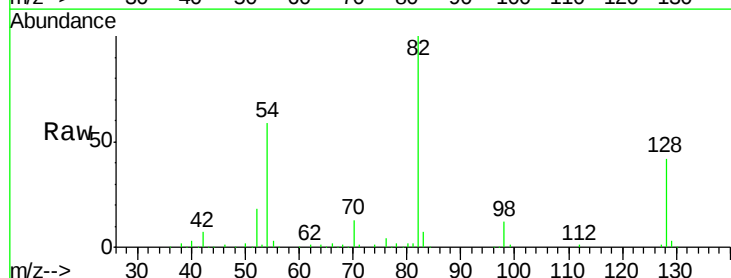


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

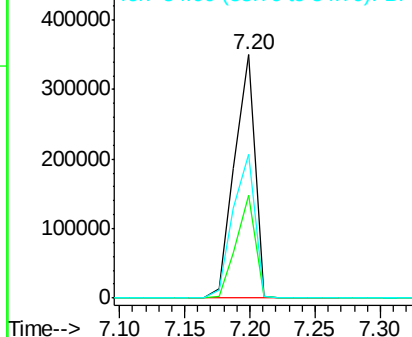
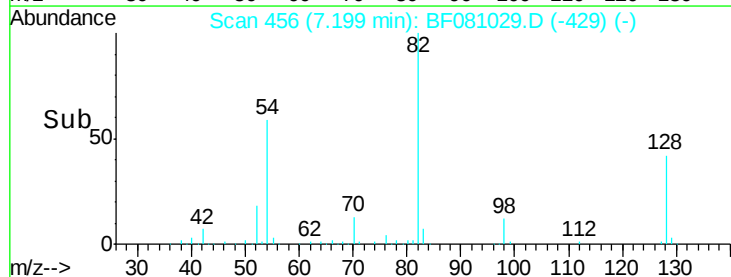


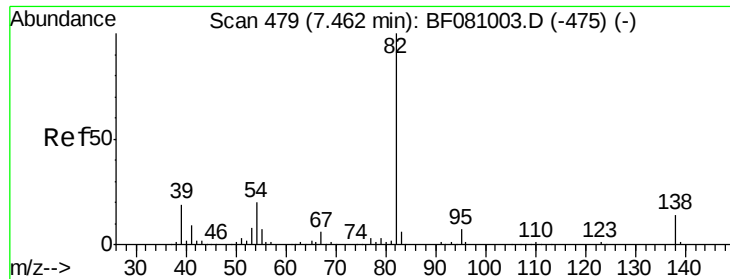
#23
Nitrobenzene-d5
Concen: 80.81 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion: 82	Resp:	380900
Ion Ratio	Lower	Upper
82	100	
128	42.0	28.6 42.8
54	59.0	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: 42.26 ng

RT: 7.20 min Scan# 456

Delta R.T. -0.25 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

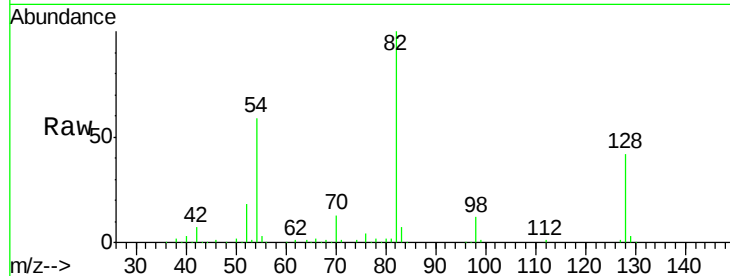
Tot Ion: 82 Resp: 371433

Ion Ratio Lower Upper

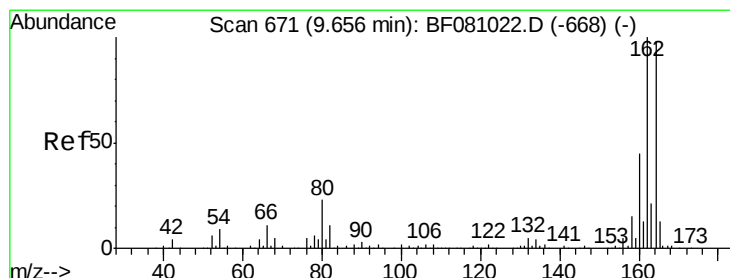
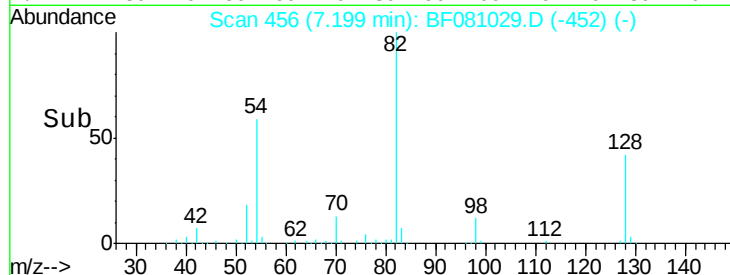
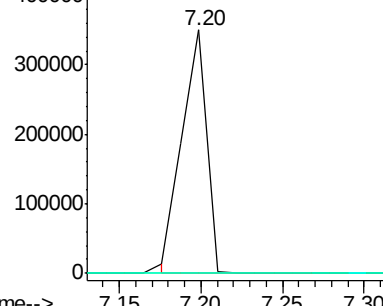
82 100

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: 9.66 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

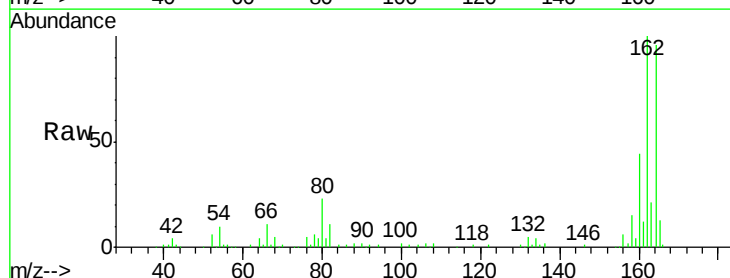
Tgt Ion:164 Resp: 96336

Ion Ratio Lower Upper

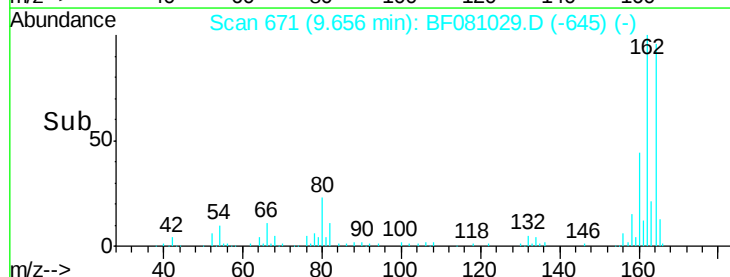
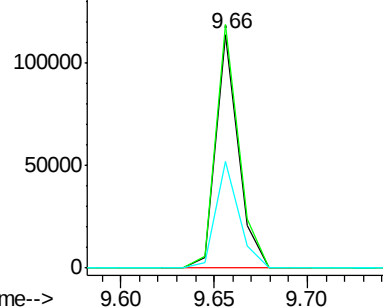
164 100

162 104.1 83.8 125.8

160 45.8 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: 93.54 ng

RT: 10.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

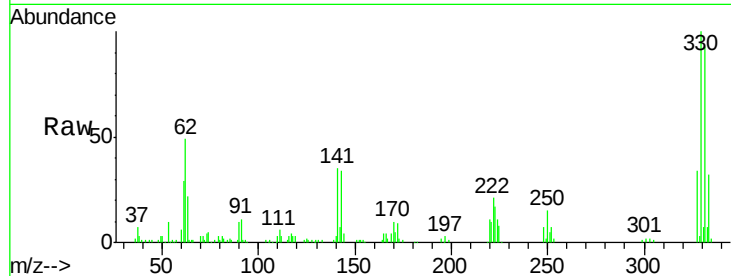
Tot Ion:330 Resp: 78111

Ion Ratio Lower Upper

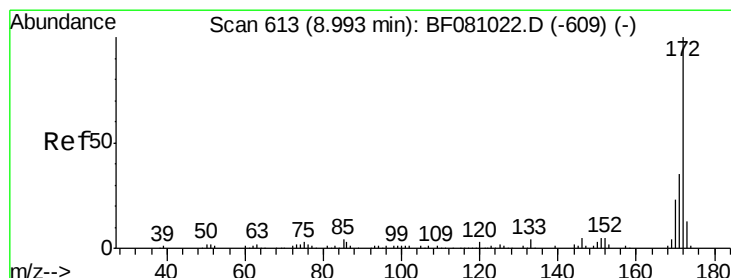
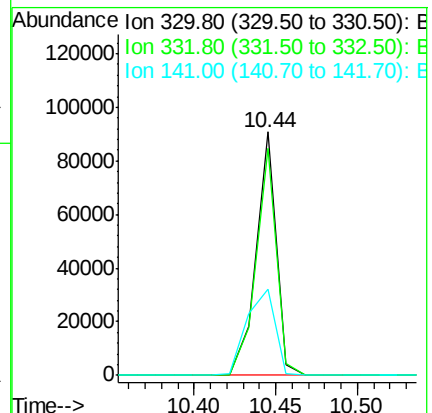
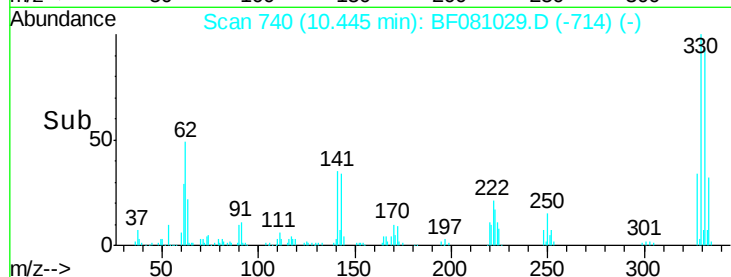
330 100

332 94.0 77.3 115.9

141 49.6 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: 72.03 ng

RT: 8.99 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

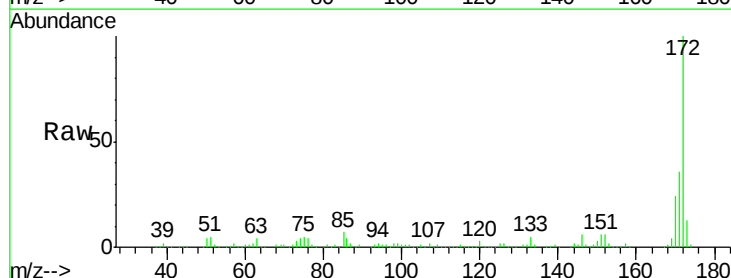
Tgt Ion:172 Resp: 529612

Ion Ratio Lower Upper

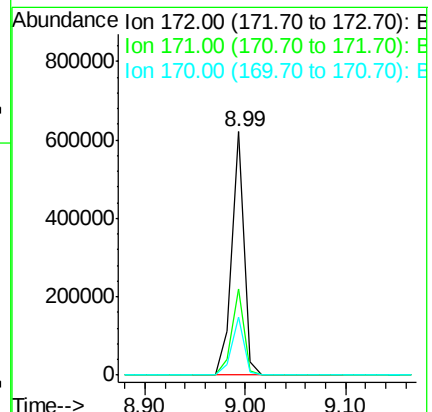
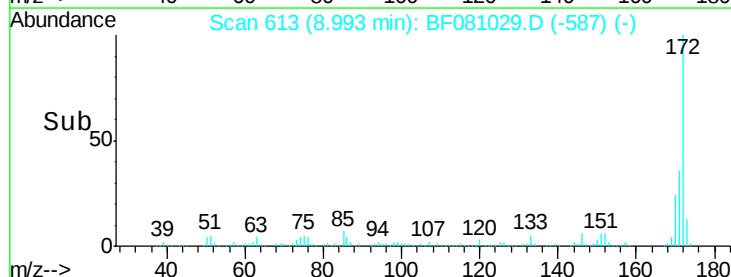
172 100

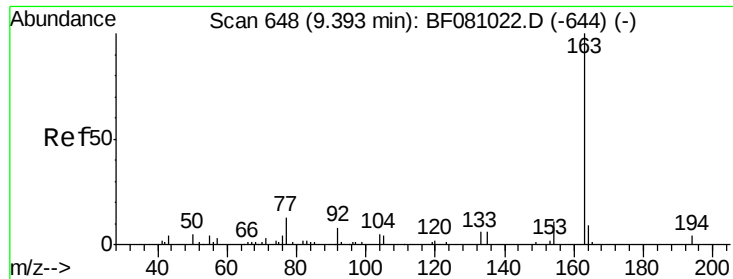
171 35.6 28.9 43.3

170 24.0 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

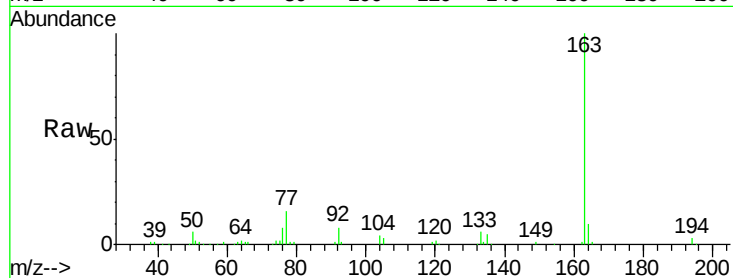




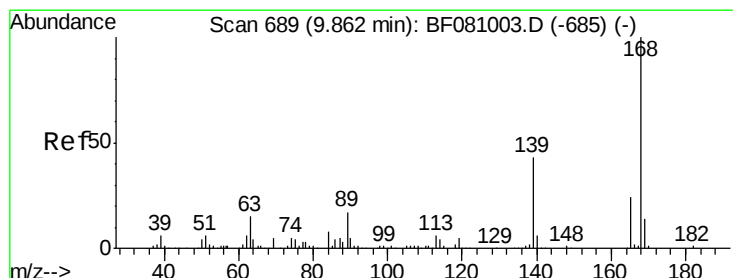
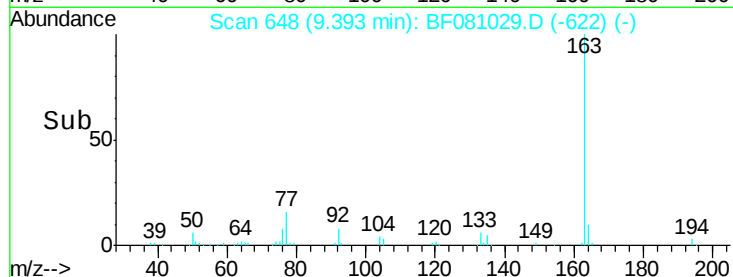
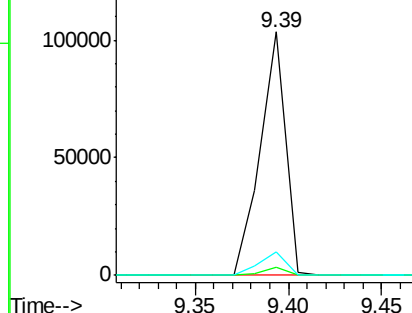
#49
Dimethylphthalate
Concen: 12.22 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Instrument :
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ClientSampleId :
P001-DS03-0012-01

Tot Ion:163 Resp: 96927
Ion Ratio Lower Upper
163 100
194 3.3 2.5 3.7
164 9.6 8.1 12.1

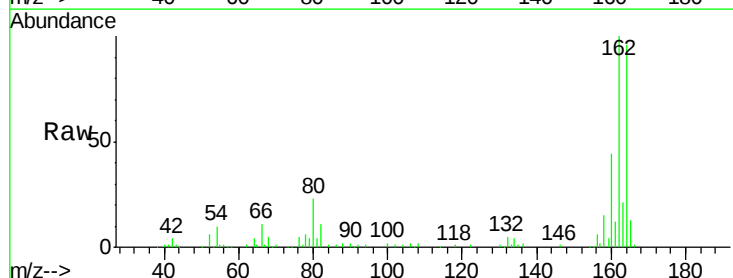


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

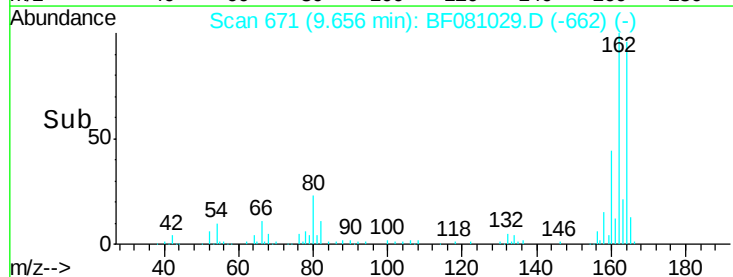
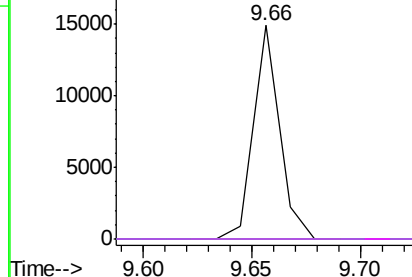


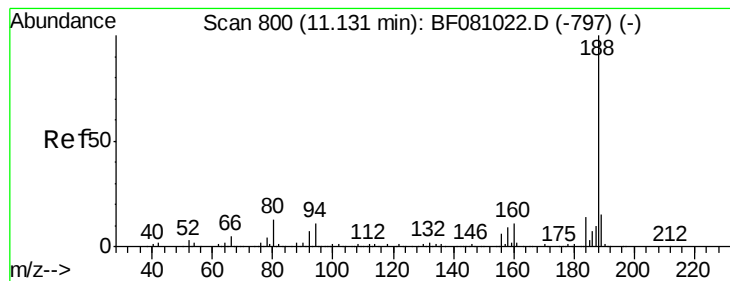
#56
2,4-Dinitrotoluene
Concen: 5.48 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:165 Resp: 12371
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: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

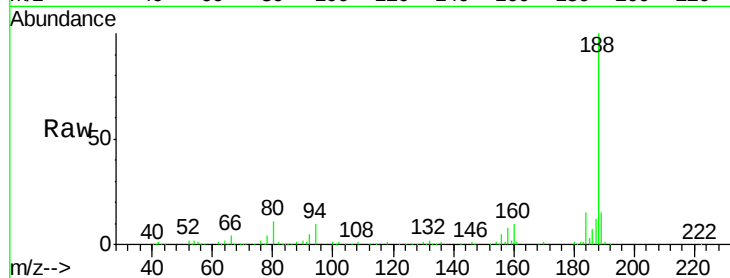
Tot Ion:188 Resp: 163790

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

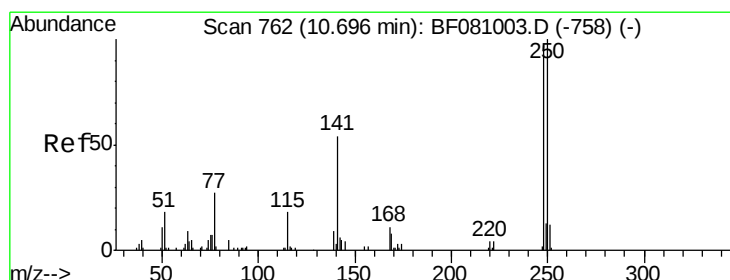
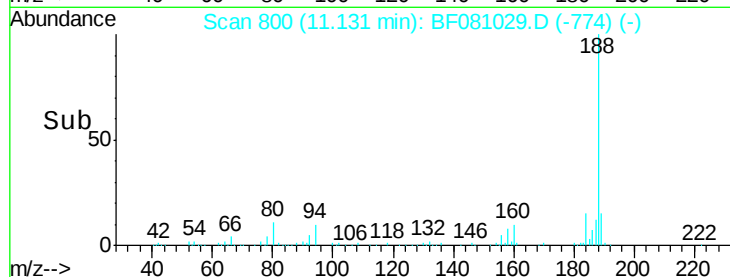
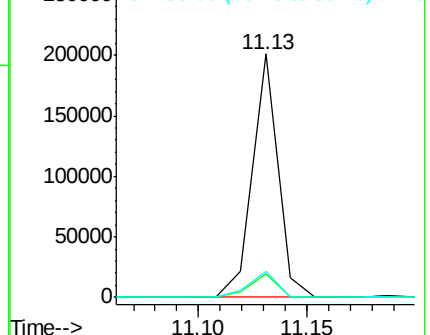
80 10.6 9.5 14.3



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: 3.88 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

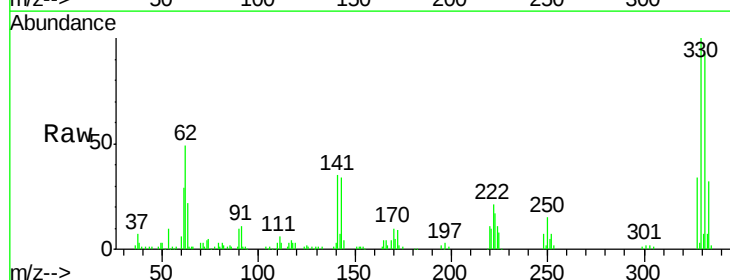
Tgt Ion:248 Resp: 6246

Ion Ratio Lower Upper

248 100

250 197.1 77.8 116.6#

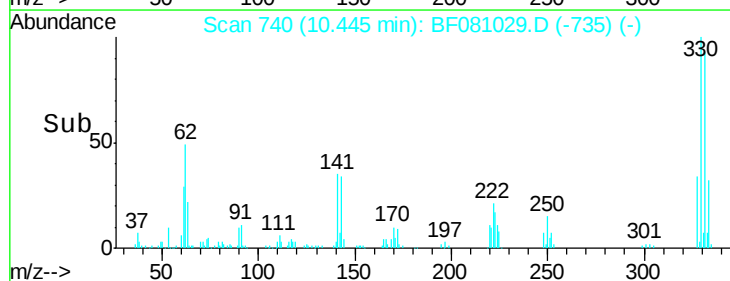
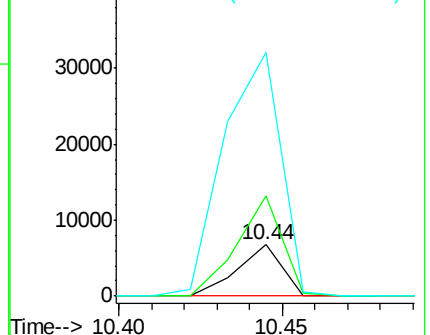
141 477.0 39.8 59.6#

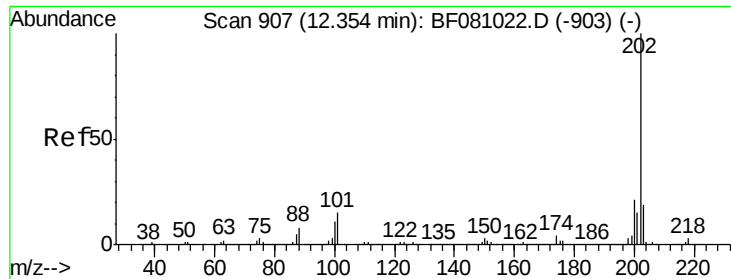


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.08 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

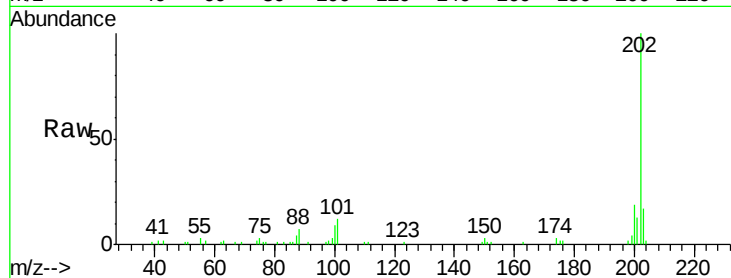
Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

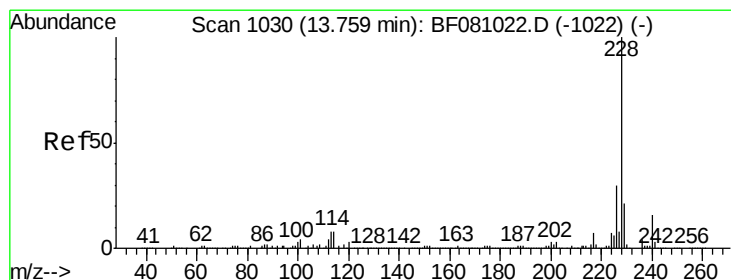
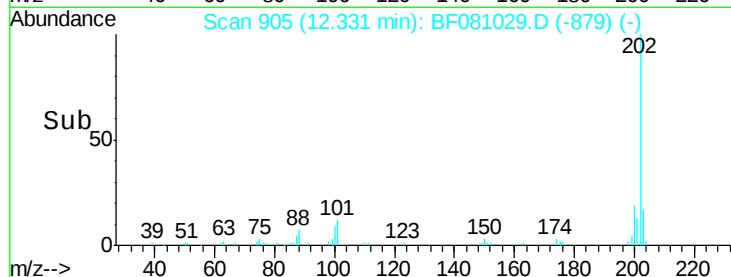
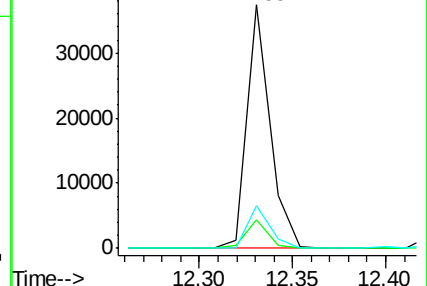
Tot Ion:	202	Resp:	32233
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	24.8
203	17.5	0.0	36.9



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

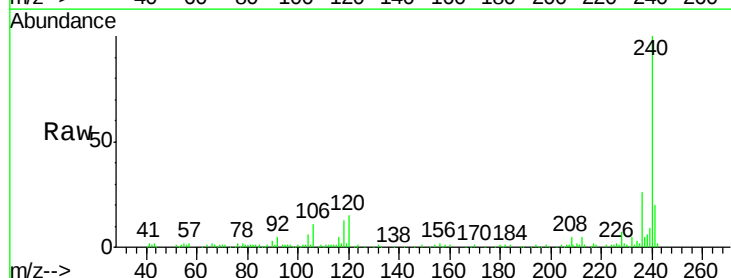
RT: 13.75 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

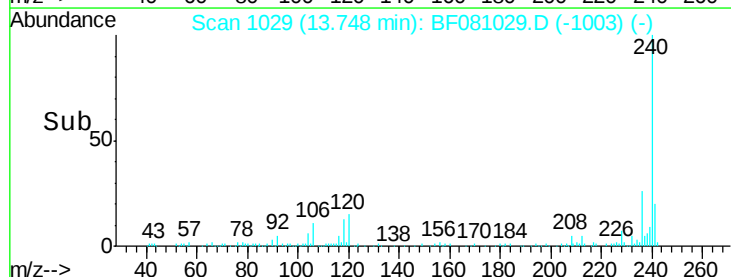
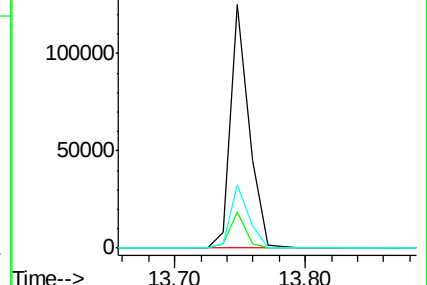
Tgt Ion:	240	Resp:	124213
Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.6	8.4#
236	26.0	20.6	30.8

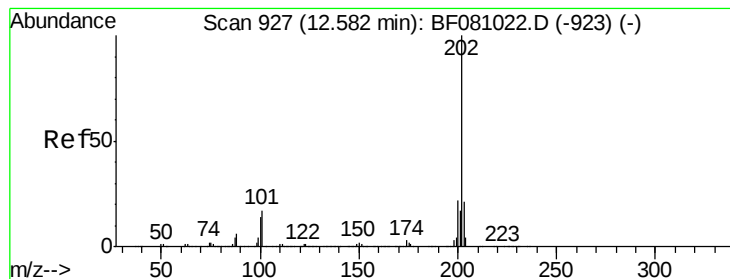


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.00 ng

RT: 12.56 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

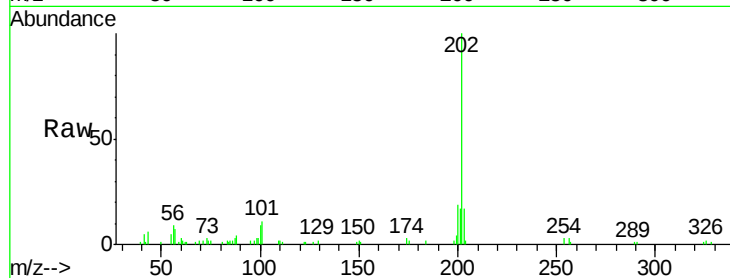
Tot Ion:202 Resp: 30250

Ion Ratio Lower Upper

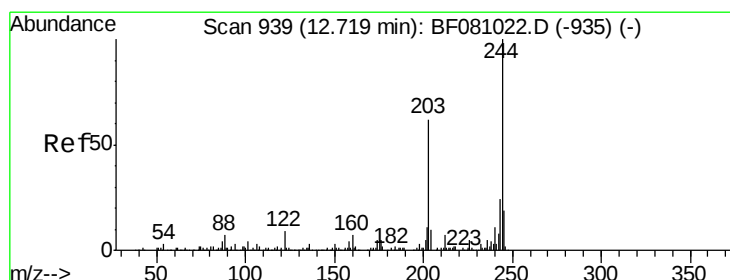
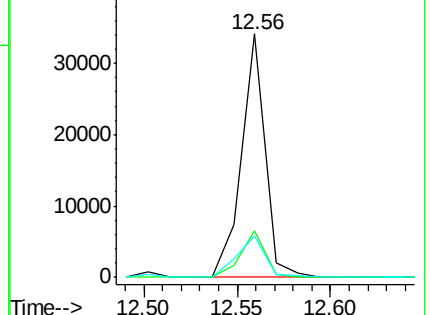
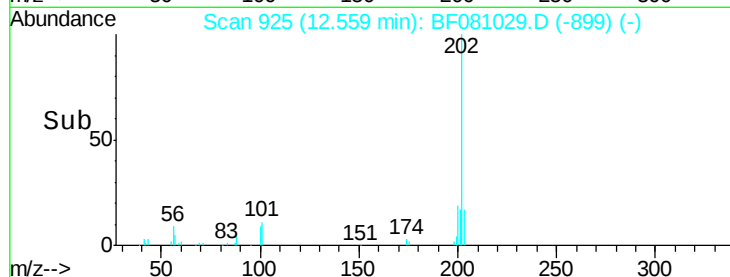
202 100

200 19.1 16.6 24.8

203 17.3 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: 60.54 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

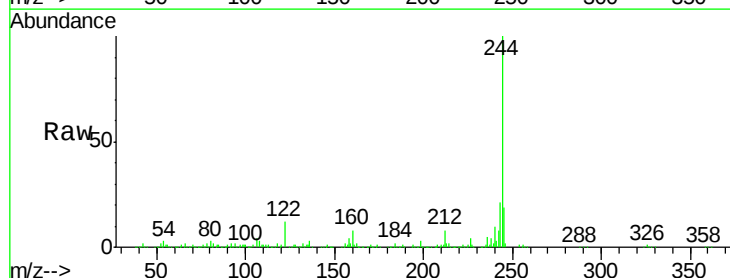
Tgt Ion:244 Resp: 350758

Ion Ratio Lower Upper

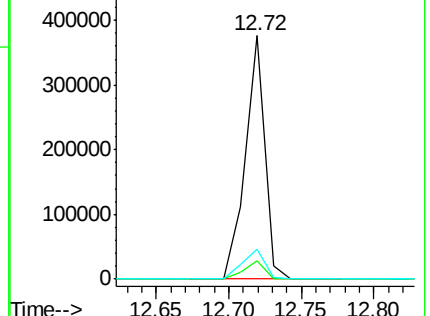
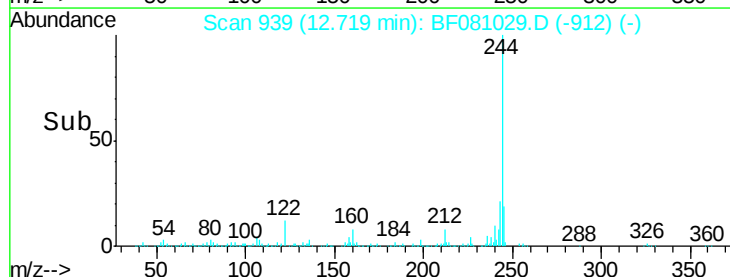
244 100

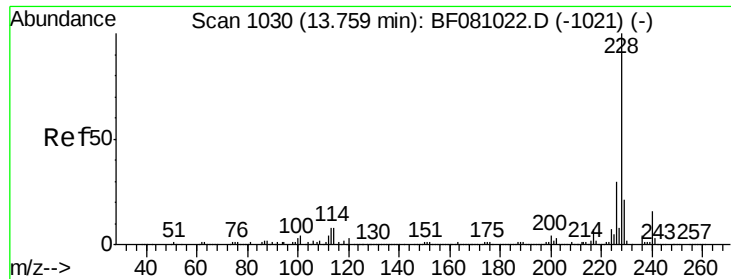
212 7.7 5.8 8.8

122 12.0 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





#80

Benzo(a)anthracene

Concen: 2.40 ng

RT: 13.74 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

Instrument :

BNA_F

ClientSampleId :

P001-DS03-0012-01

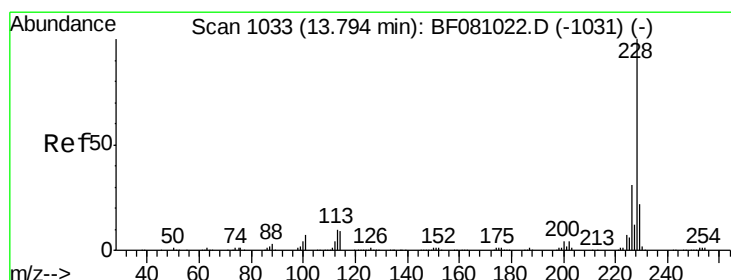
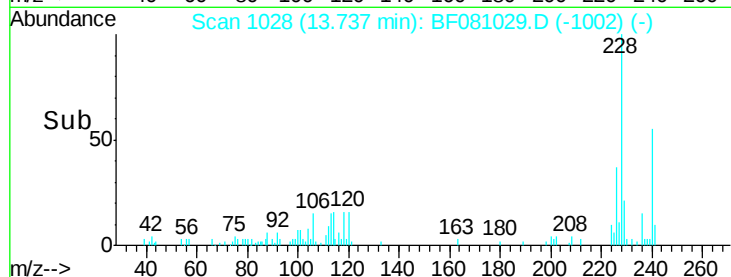
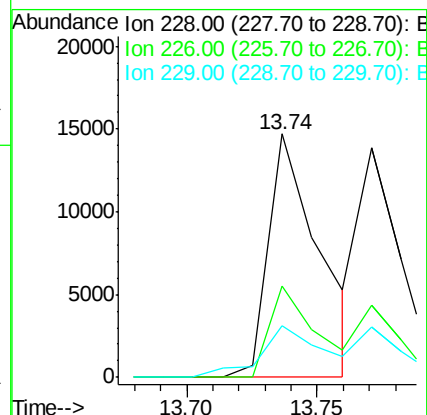
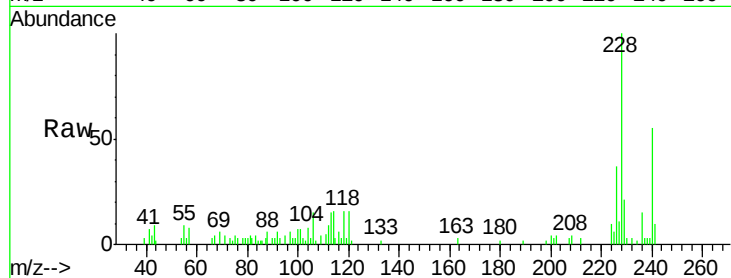
Tot Ion:228 Resp: 19994

Ion Ratio Lower Upper

228 100

226 37.3 22.3 33.5#

229 21.1 15.9 23.9



#82

Chrysene

Concen: 2.66 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF081029.D

Acq: 18 Aug 2015 4:48

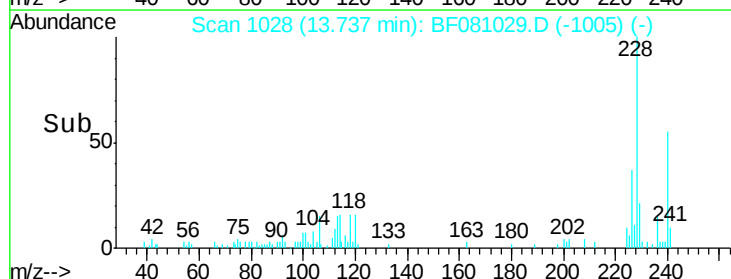
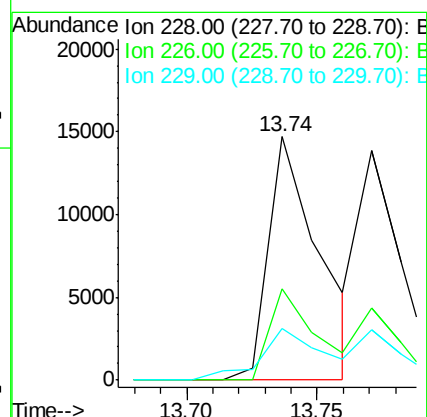
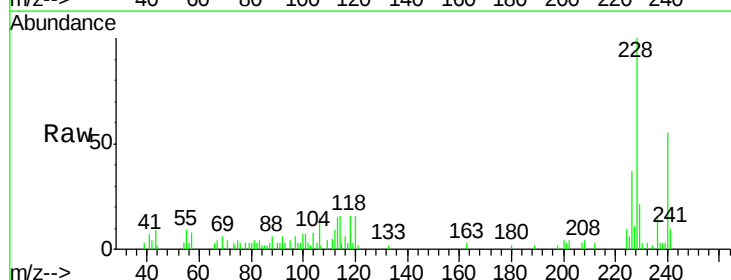
Tgt Ion:228 Resp: 19994

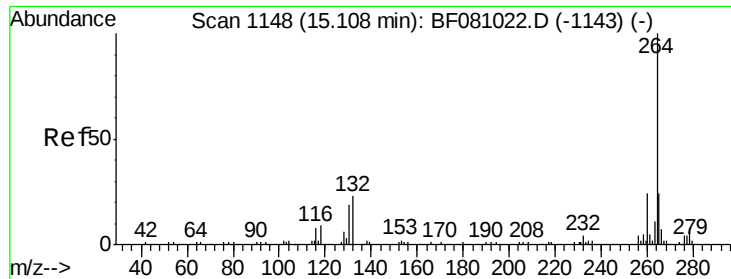
Ion Ratio Lower Upper

228 100

226 37.3 24.4 36.6#

229 21.1 16.0 24.0

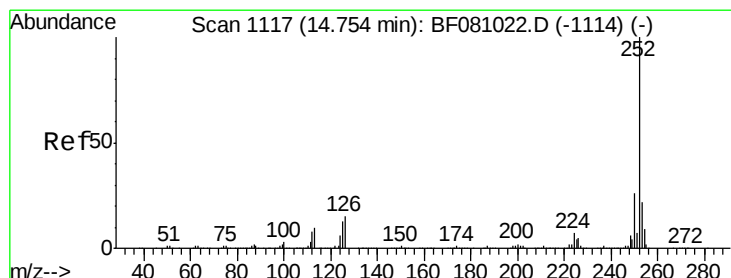
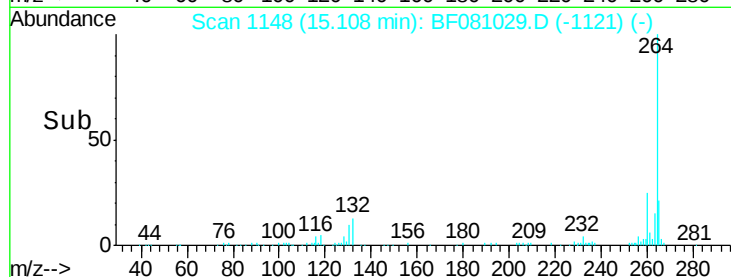
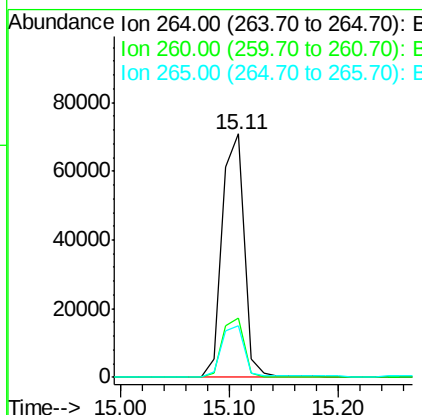
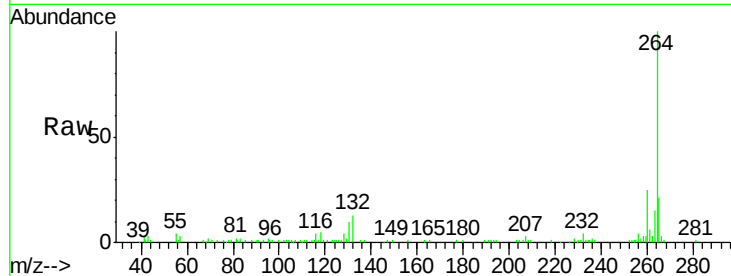




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

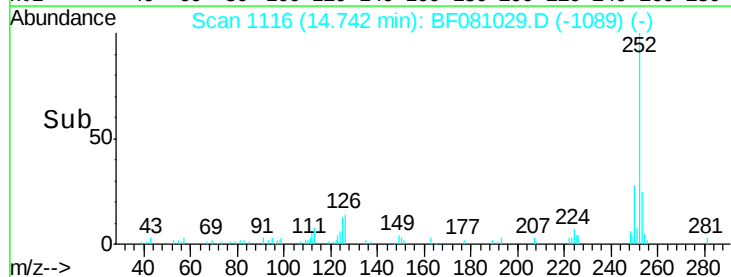
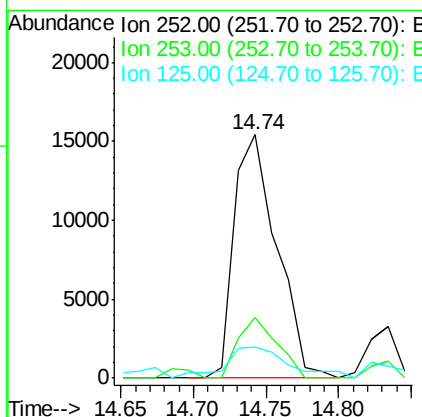
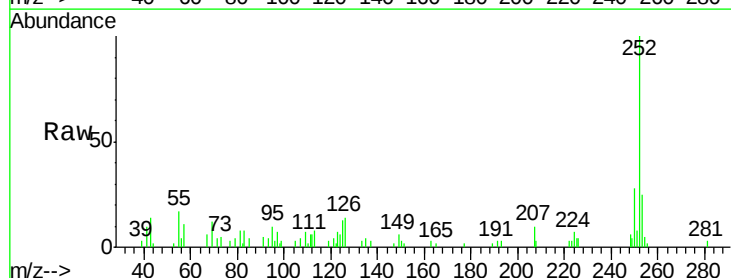
Instrument :
BNA_F
ClientSampleId :
P001-DS03-0012-01

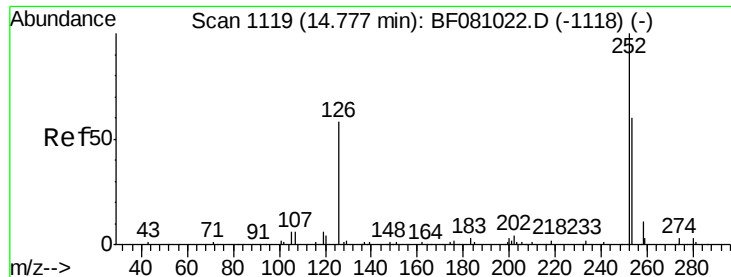
Tot Ion:264 Resp: 100040
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.44 ng
RT: 14.74 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:252 Resp: 31424
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 12.8 8.0 12.0#

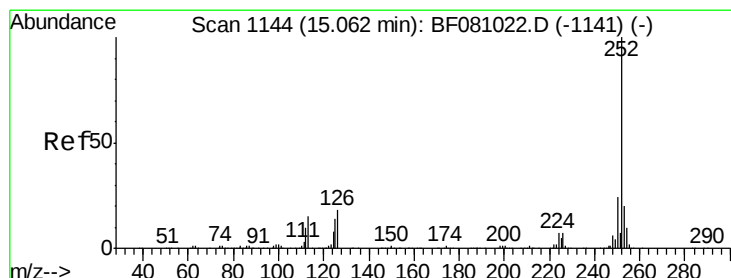
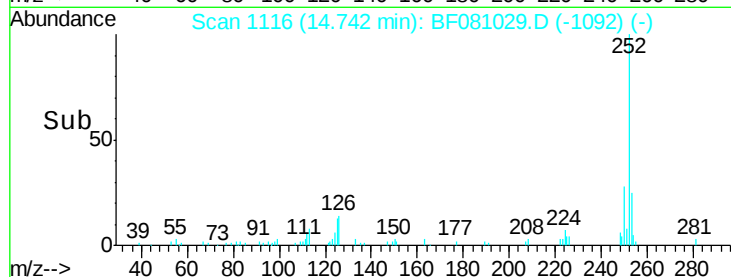
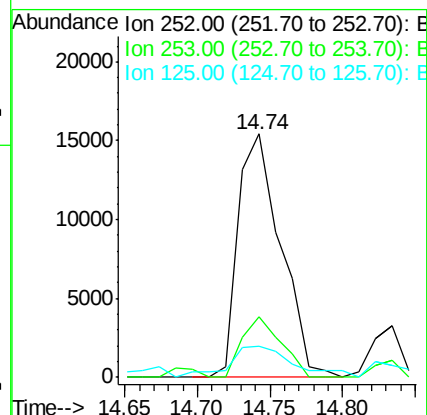
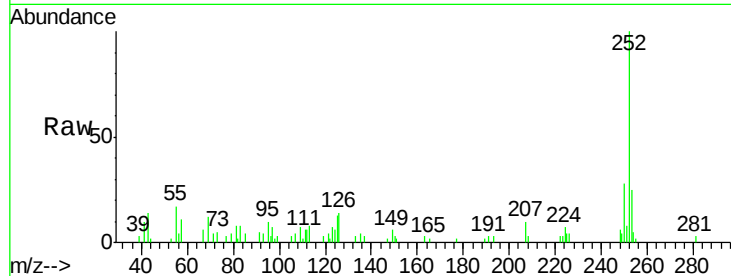




#88
Benzo(k)fluoranthene
Concen: 4.77 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Instrument :
BNA_F
ClientSampleId :
P001-DS03-0012-01

Tot Ion:252 Resp: 31424
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 12.8 10.3 15.5



#89
Benzo(a)pyrene
Concen: 2.48 ng
RT: 15.05 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF081029.D
Acq: 18 Aug 2015 4:48

Tgt Ion:252 Resp: 15264
Ion Ratio Lower Upper
252 100
253 22.5 16.6 25.0
125 12.9 7.8 11.8#

