

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081715\
 Data File : BF081030.D
 Acq On : 18 Aug 2015 5:20
 Operator : UM/IZ
 Sample : G3310-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-DS04-0012-01

Quant Time: Aug 18 05:53:34 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

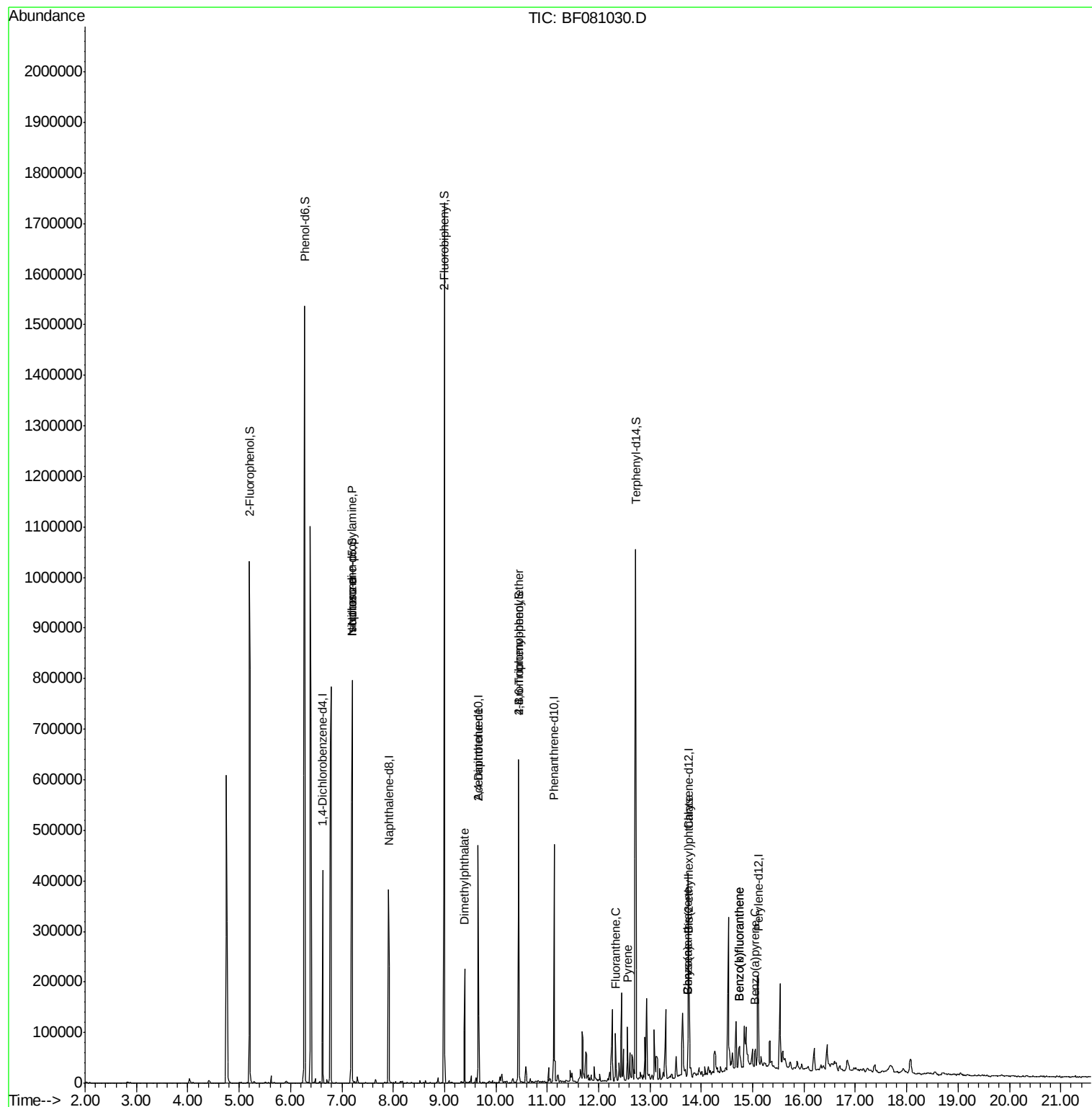
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	56059	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	198994	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	84420	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	150357	20.00	ng	0.00
75) Chrysene-d12	13.75	240	116656	20.00	ng	0.00
86) Perylene-d12	15.11	264	94599	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	349832	93.86	ng	0.01
7) Phenol-d6	6.27	99	499938	102.81	ng	0.01
23) Nitrobenzene-d5	7.20	82	320331	73.54	ng	0.01
41) 2,4,6-Tribromophenol	10.44	330	71087	97.14	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	475607	73.82	ng	0.00
78) Terphenyl-d14	12.72	244	321905	59.16	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	42261	12.55	ng	# 63
25) Isophorone	7.20	82	313750	38.62	ng	# 71
49) Dimethylphthalate	9.39	163	97800	14.07	ng	# 99
56) 2,4-Dinitrotoluene	9.66	165	10924	5.52	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	5415	3.67	ng	# 1
74) Fluoranthene	12.33	202	34587	3.60	ng	94
77) Pyrene	12.56	202	34766	3.67	ng	98
80) Benzo(a)anthracene	13.74	228	21333	2.73	ng	# 86
82) Chrysene	13.74	228	21333	3.03	ng	# 89
83) Bis(2-ethylhexyl)phthalate	13.76	149	21269	4.07	ng	# 97
87) Benzo(b)fluoranthene	14.74	252	30860	4.61	ng	# 94
88) Benzo(k)fluoranthene	14.74	252	30860	4.95	ng	# 97
89) Benzo(a)pyrene	15.05	252	16393	2.81	ng	95

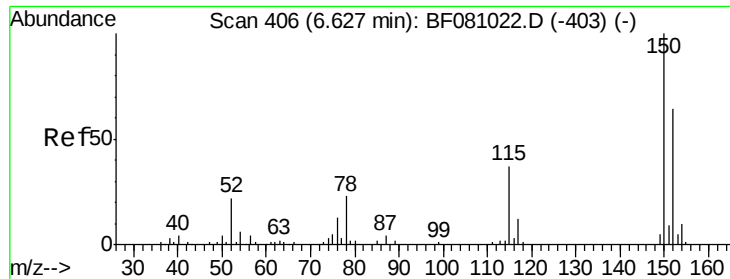
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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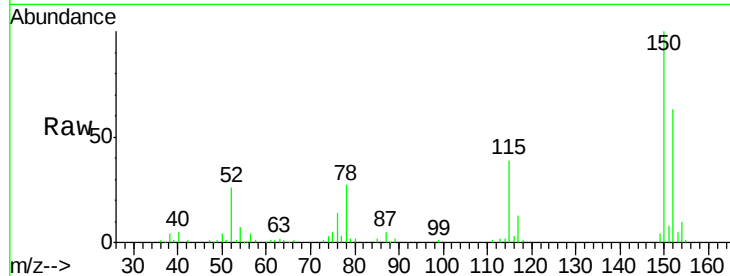


#1

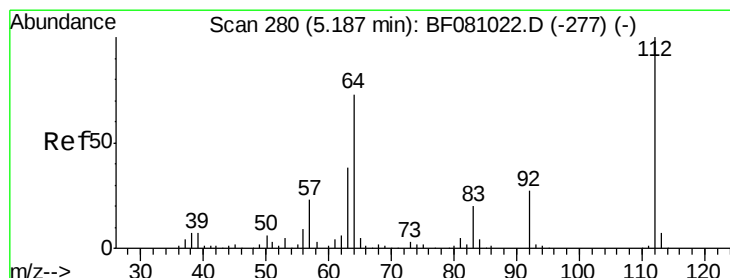
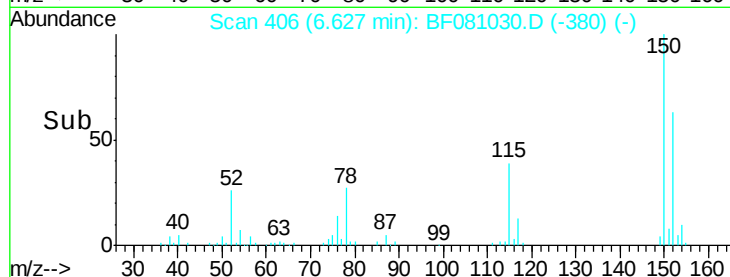
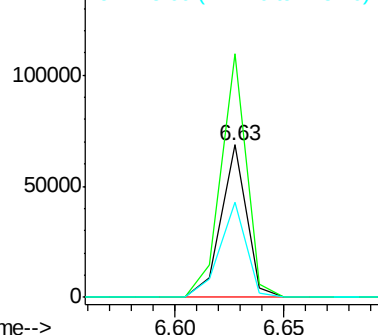
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Instrument :
BNA_F
ClientSampleId :
P001-DS04-0012-01

Tot Ion:152 Resp: 56059
Ion Ratio Lower Upper
152 100
150 159.8 123.8 185.6
115 62.5 52.1 78.1



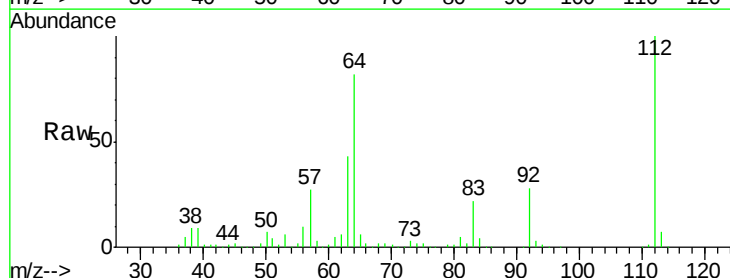
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



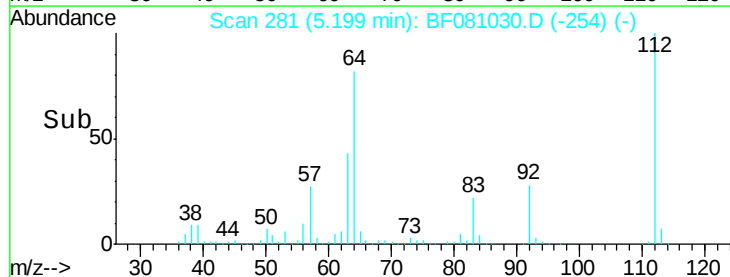
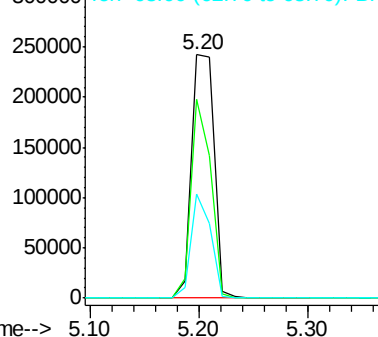
#5

2-Fluorophenol
Concen: 93.86 ng
RT: 5.20 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Tgt Ion:112 Resp: 349832
Ion Ratio Lower Upper
112 100
64 81.7 66.9 100.3
63 42.8 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: 102.81 ng

RT: 6.27 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

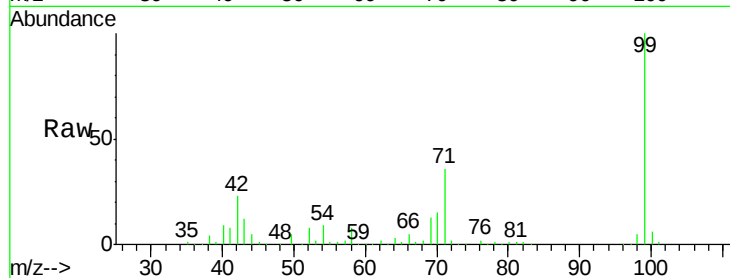
Tot Ion: 99 Resp: 499938

Ion Ratio Lower Upper

99 100

42 22.8 19.6 29.4

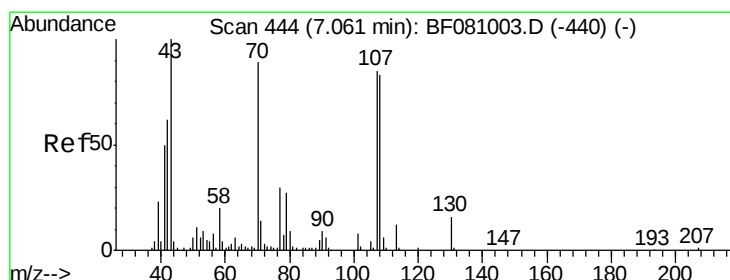
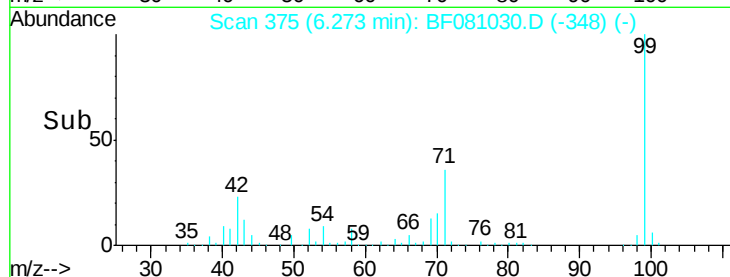
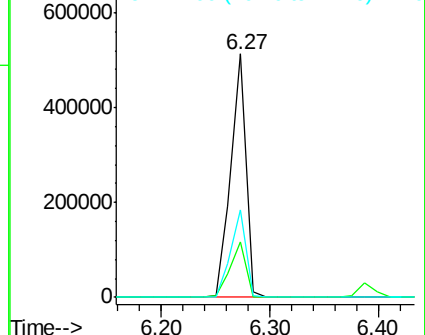
71 35.9 31.2 46.8



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: 12.55 ng

RT: 7.20 min Scan# 456

Delta R.T. 0.15 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Tgt Ion: 70 Resp: 42261

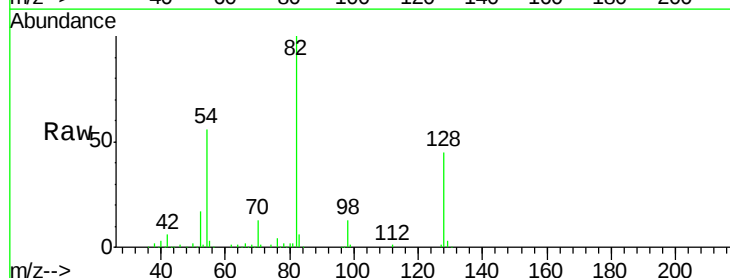
Ion Ratio Lower Upper

70 100

42 46.9 65.0 97.4#

101 0.0 7.4 11.2#

130 2.0 13.0 19.4#

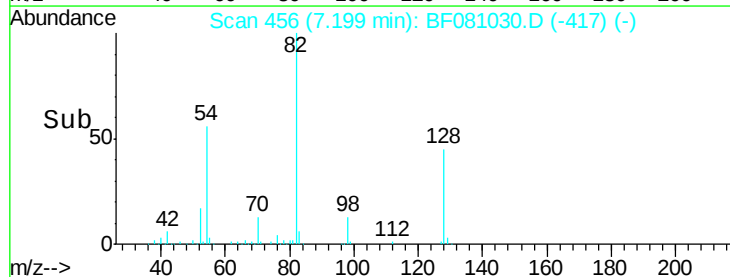
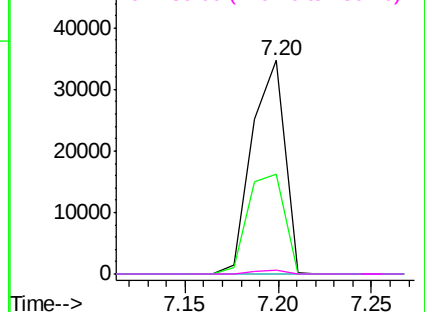


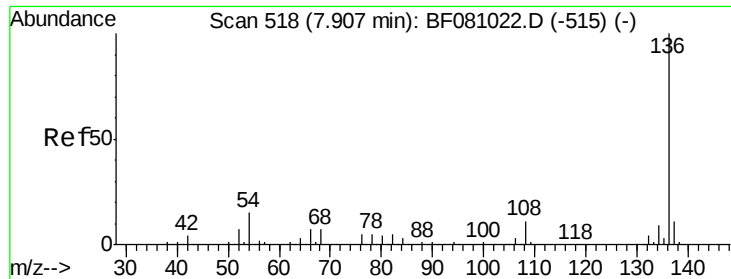
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

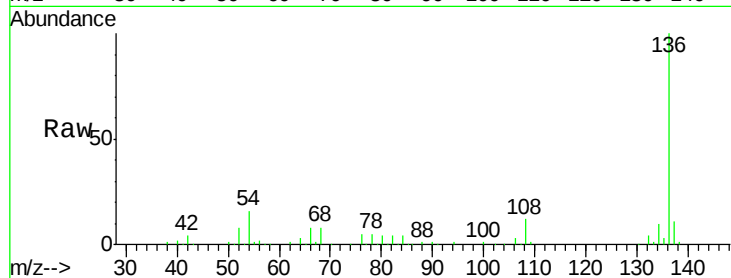




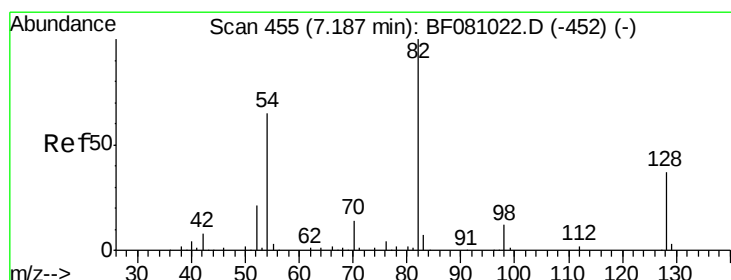
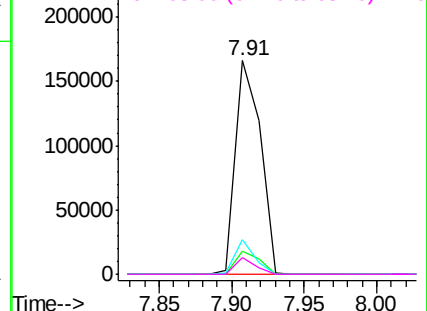
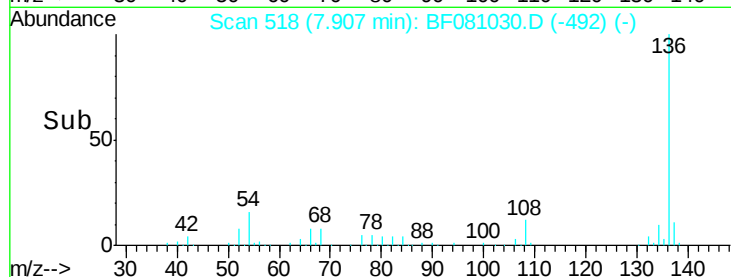
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 518
Delta R.T. 0.00 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Instrument :
BNA_F
ClientSampleId :
P001-DS04-0012-01

Tot Ion:136	Resp:	198994
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.2 12.2
54	15.9	7.7 11.5#
68	7.9	3.4 5.2#

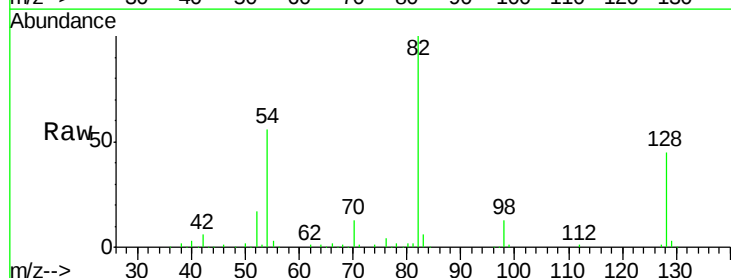


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

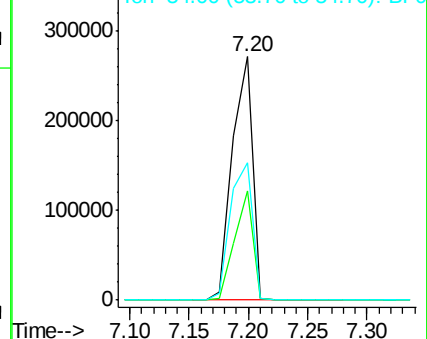
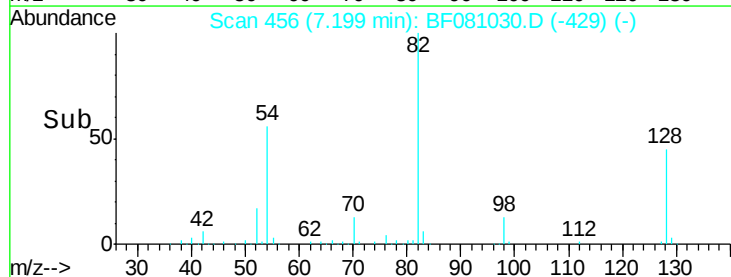


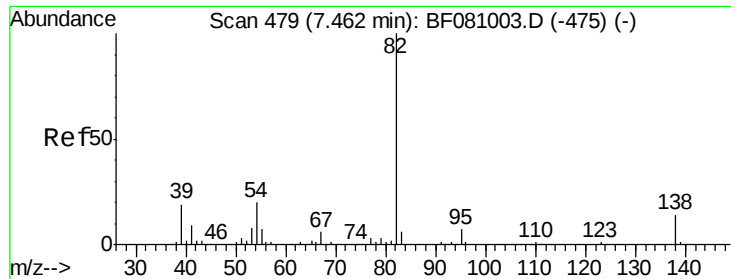
#23
Nitrobenzene-d5
Concen: 73.54 ng
RT: 7.20 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Tgt Ion: 82	Resp:	320331
Ion Ratio	Lower	Upper
82	100	
128	45.1	28.6 42.8#
54	56.3	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: 38.62 ng

RT: 7.20 min Scan# 456

Delta R.T. -0.25 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

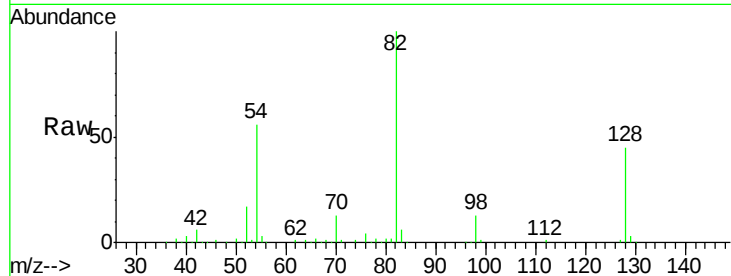
Tot Ion: 82 Resp: 313750

Ion Ratio Lower Upper

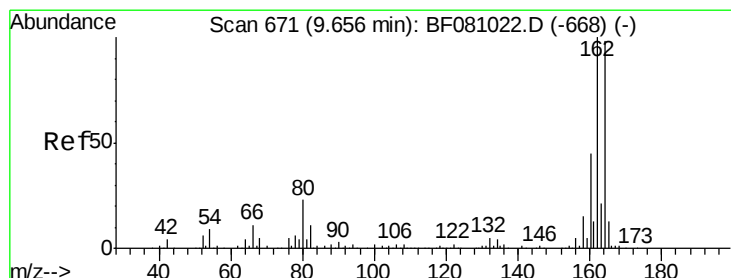
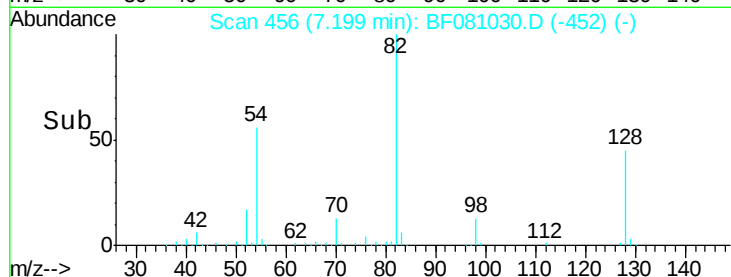
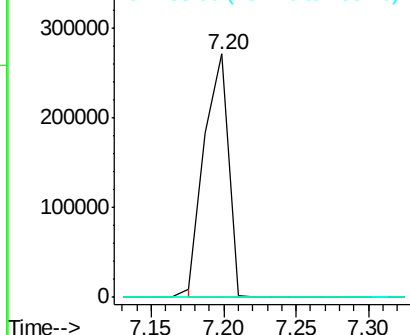
82 100

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: BF081030.D

Acq: 18 Aug 2015 5:20

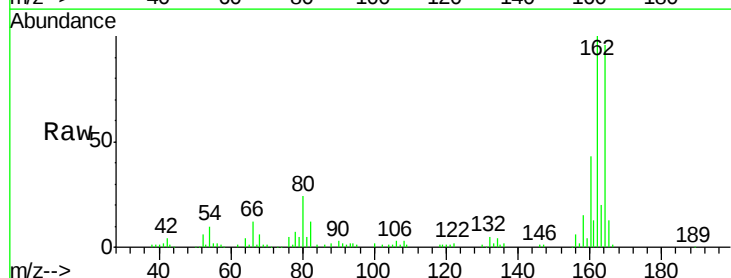
Tgt Ion:164 Resp: 84420

Ion Ratio Lower Upper

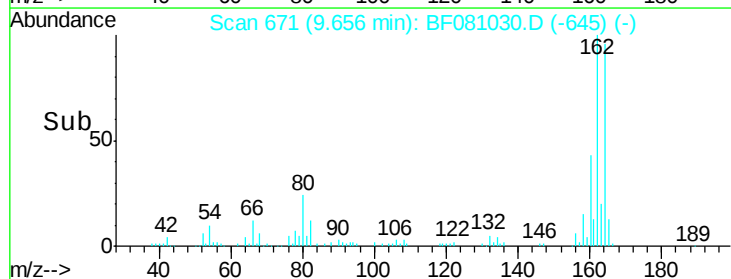
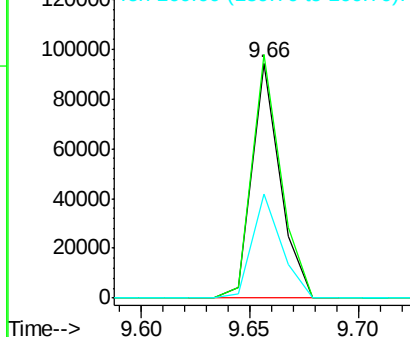
164 100

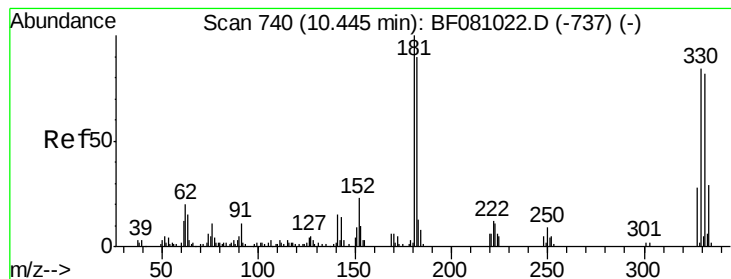
162 103.7 83.8 125.8

160 44.6 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: 97.14 ng

RT: 10.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

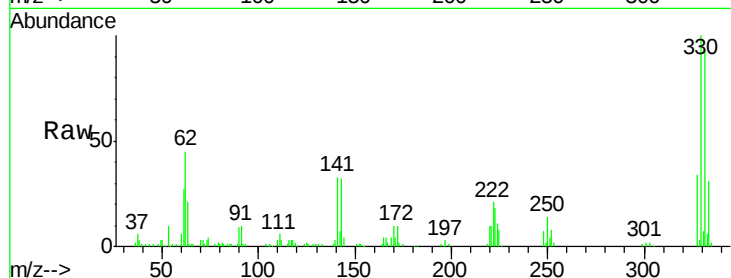
Tot Ion:330 Resp: 71087

Ion Ratio Lower Upper

330 100

332 93.8 77.3 115.9

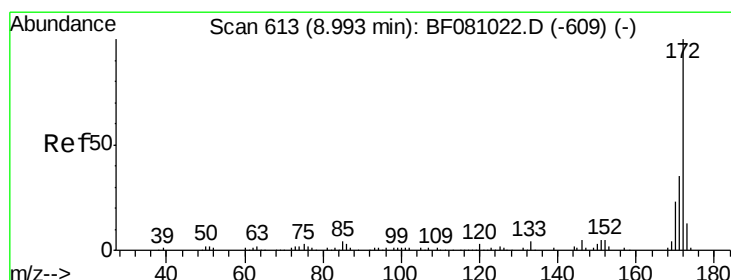
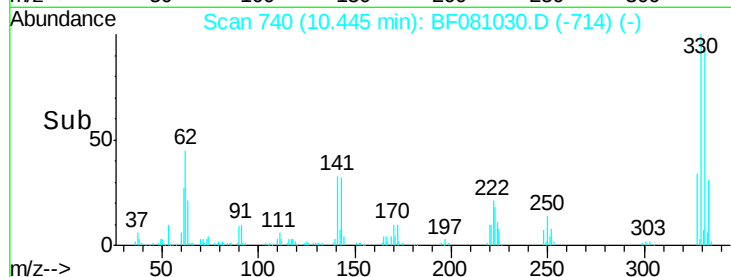
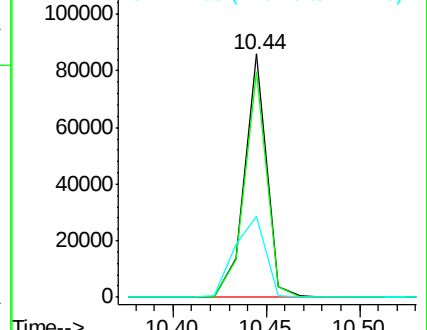
141 46.9 44.9 67.3



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: 73.82 ng

RT: 8.99 min Scan# 613

Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

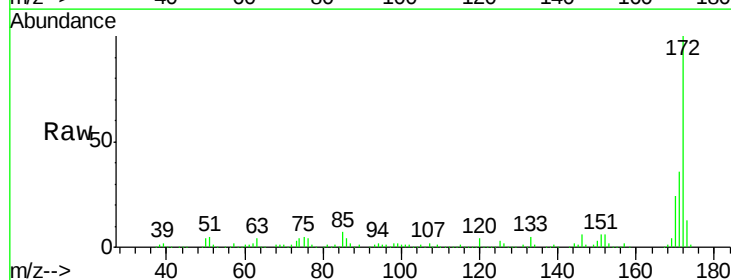
Tgt Ion:172 Resp: 475607

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

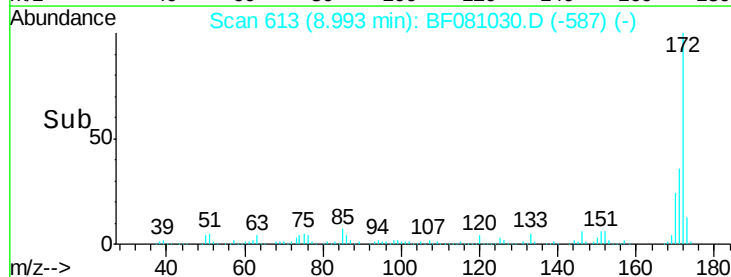
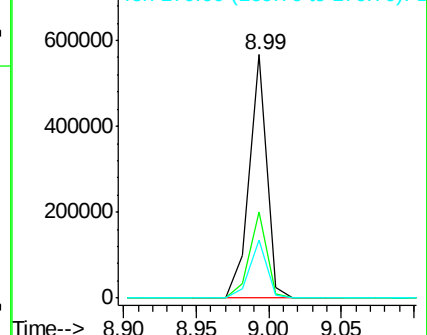
170 23.8 19.4 29.2

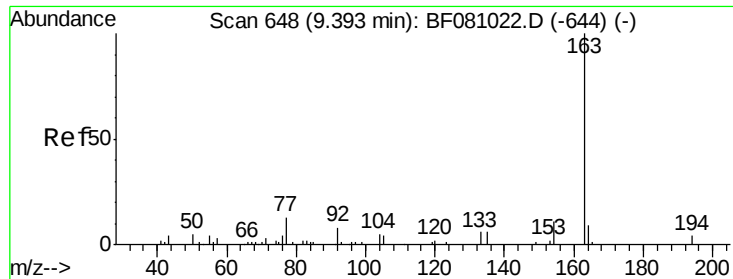


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

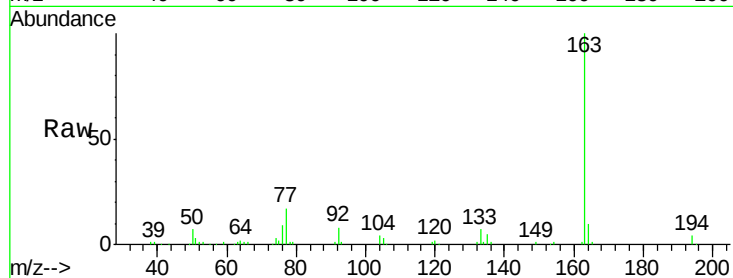




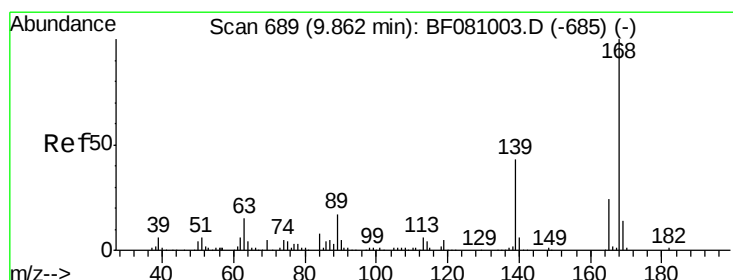
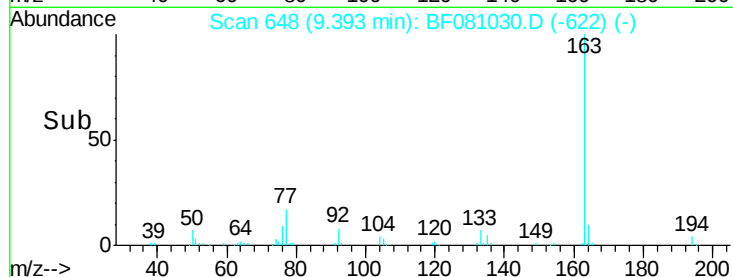
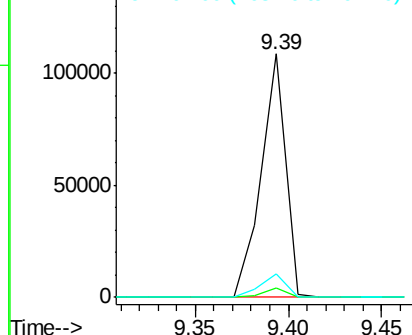
#49
Dimethylphthalate
Concen: 14.07 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Instrument :
BNA_F
ClientSampleId :
P001-DS04-0012-01

Tot Ion:163 Resp: 97800
Ion Ratio Lower Upper
163 100
194 3.7 2.5 3.7#
164 9.7 8.1 12.1

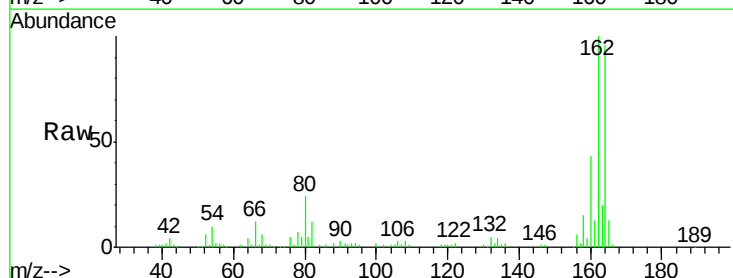


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

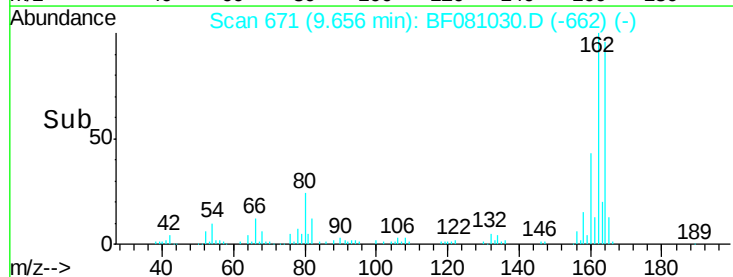
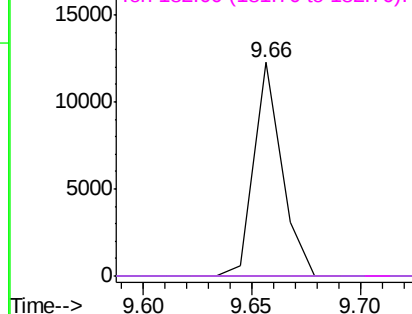


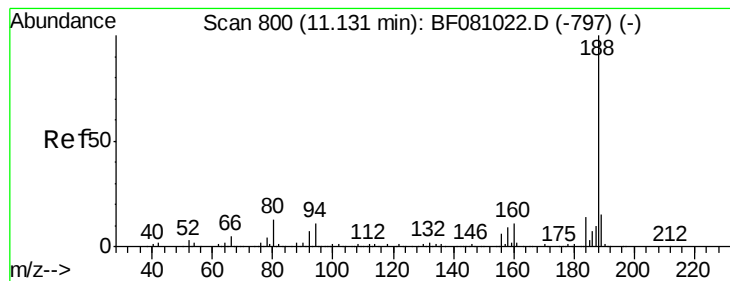
#56
2,4-Dinitrotoluene
Concen: 5.52 ng
RT: 9.66 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Tgt Ion:165 Resp: 10924
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: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

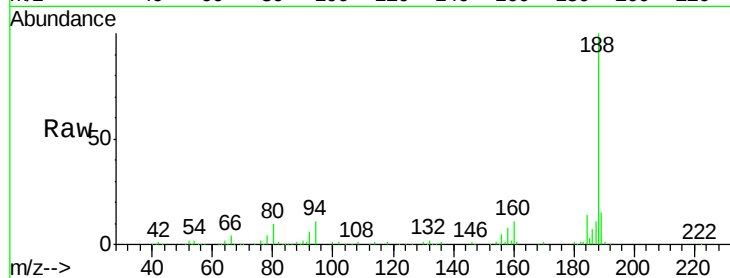
Tot Ion:188 Resp: 150357

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.2

80 10.5 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

250000

200000

150000

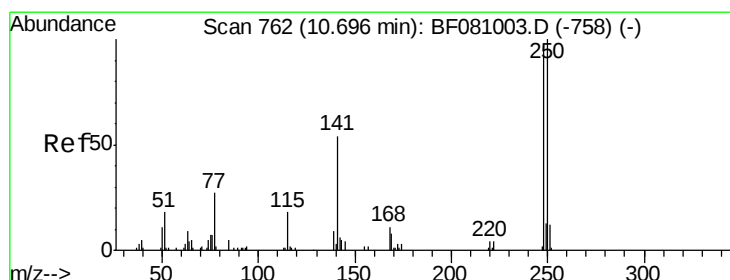
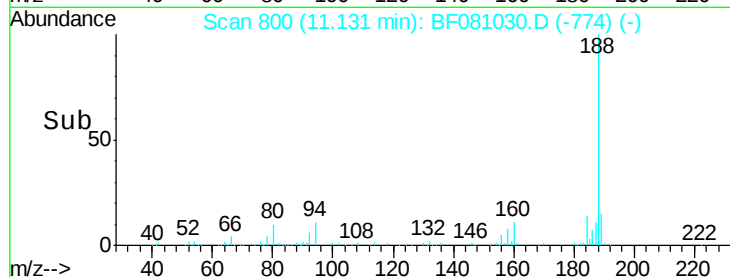
100000

50000

0

11.10 11.15

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.67 ng

RT: 10.44 min Scan# 740

Delta R.T. -0.24 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

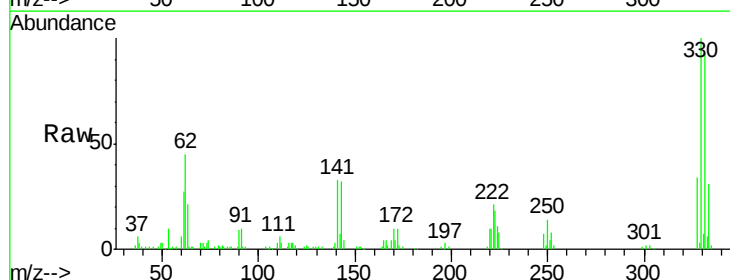
Tgt Ion:248 Resp: 5415

Ion Ratio Lower Upper

248 100

250 199.9 77.8 116.6#

141 467.1 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

40000

30000

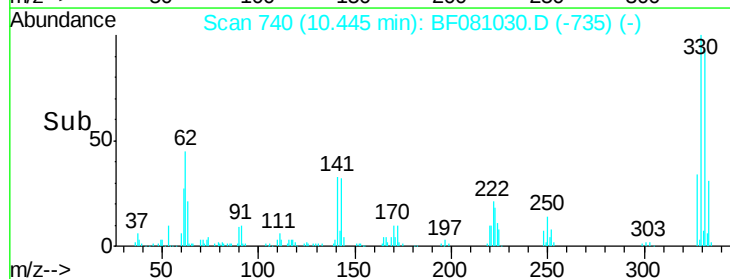
20000

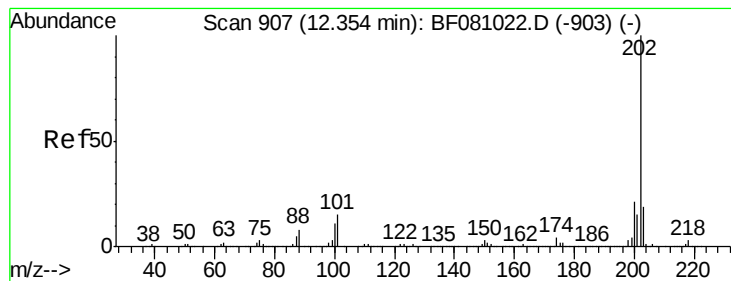
10000

0

10.40 10.45

Time-->





#74

Fluoranthene

Concen: 3.60 ng

RT: 12.33 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

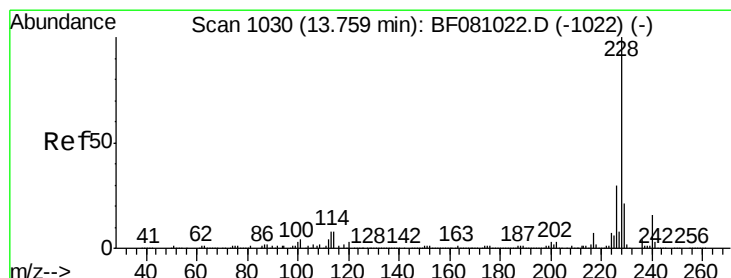
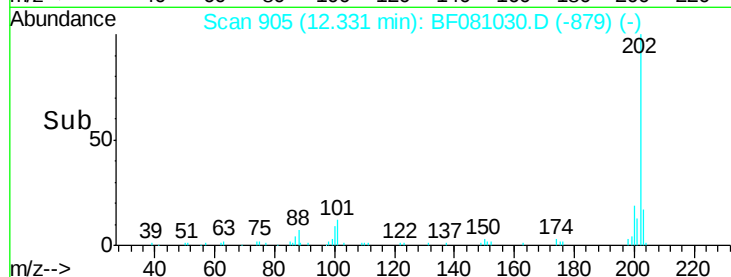
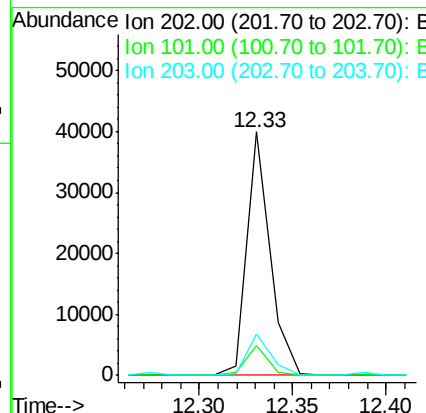
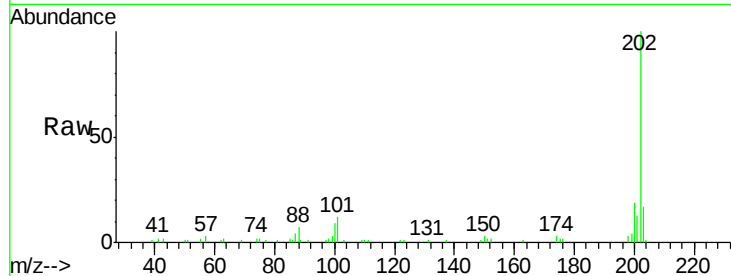
Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

Tot Ion:	202	Resp:	34587
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	24.8
203	17.3	0.0	36.9



#75

Chrysene-d12

Concen: 20.00 ng

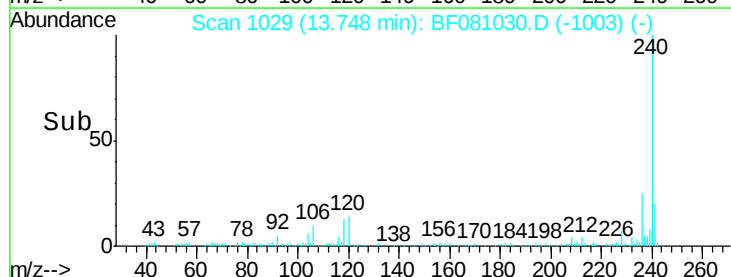
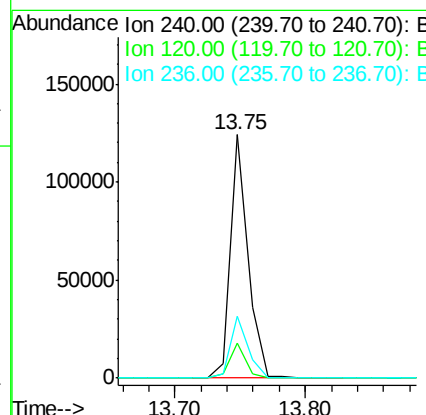
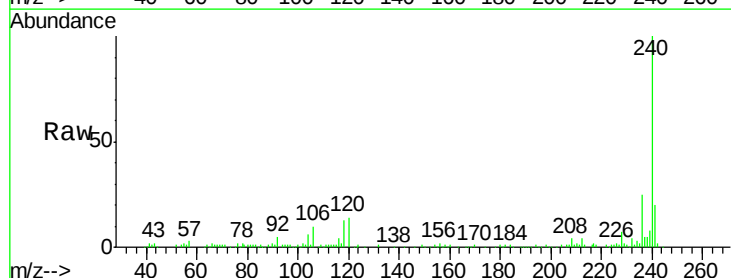
RT: 13.75 min Scan# 1029

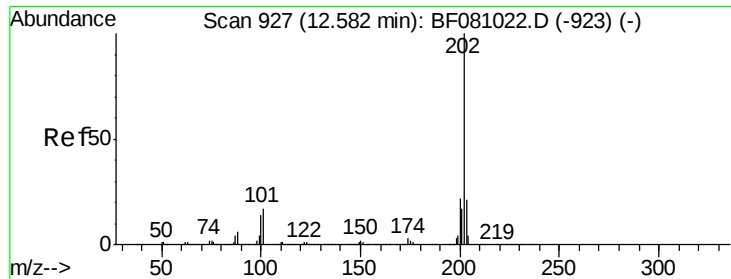
Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Tgt Ion:	240	Resp:	116656
Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.6	8.4#
236	25.3	20.6	30.8

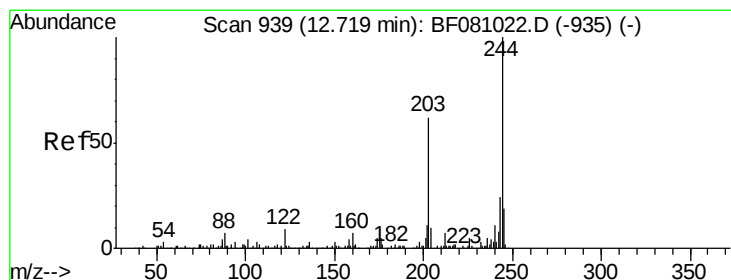
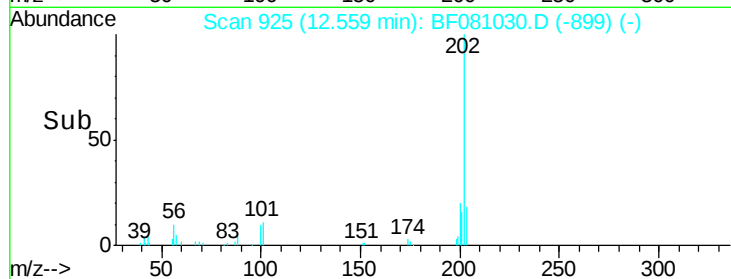
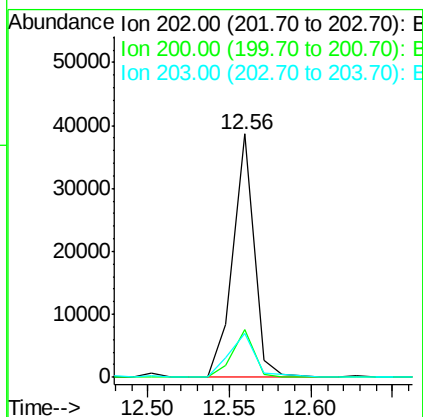
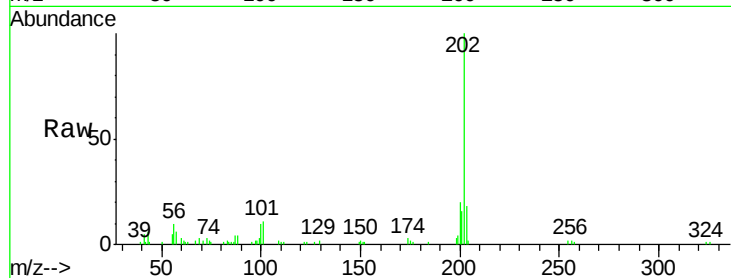




#77
Pvrene
Concen: 3.67 ng
RT: 12.56 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

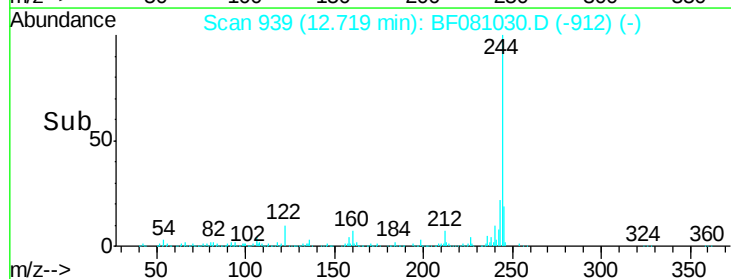
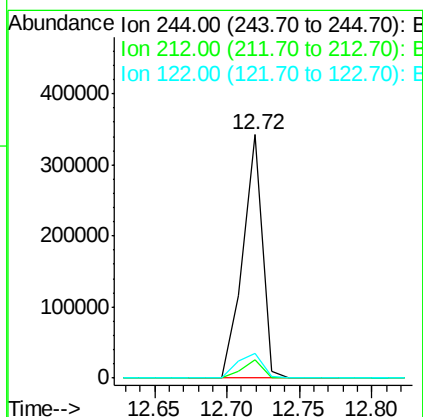
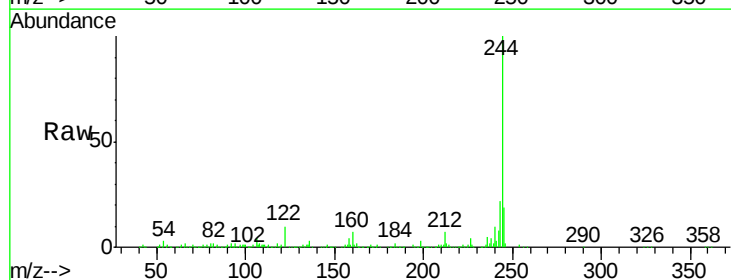
Instrument :
BNA_F
ClientSampleId :
P001-DS04-0012-01

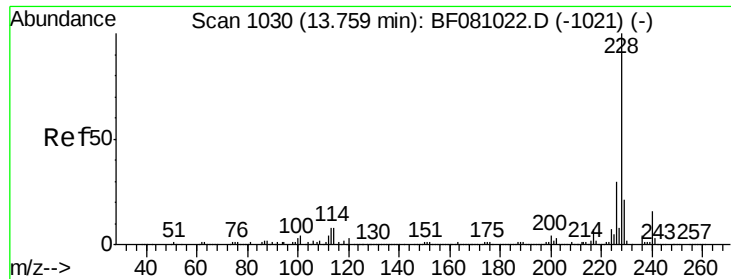
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.6	24.8
203	18.0	14.1	21.1



#78
Terphenyl-d14
Concen: 59.16 ng
RT: 12.72 min Scan# 939
Delta R.T. 0.01 min
Lab File: BF081030.D
Acq: 18 Aug 2015 5:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.0	8.2	12.4





#80

Benzo(a)anthracene

Concen: 2.73 ng

RT: 13.74 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

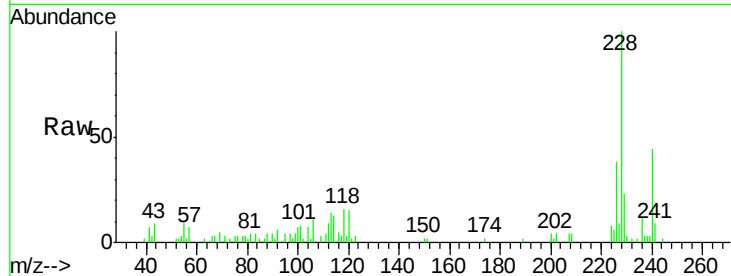
Tot Ion:228 Resp: 21333

Ion Ratio Lower Upper

228 100

226 37.9 22.3 33.5#

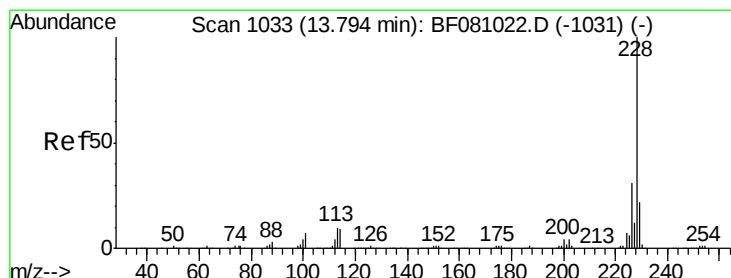
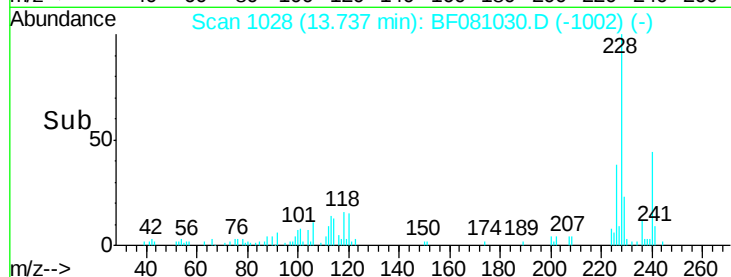
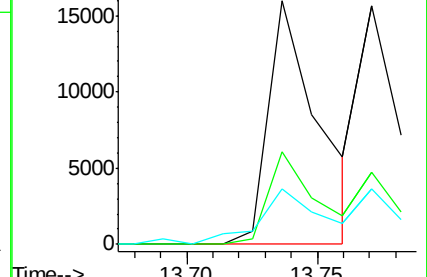
229 22.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.03 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

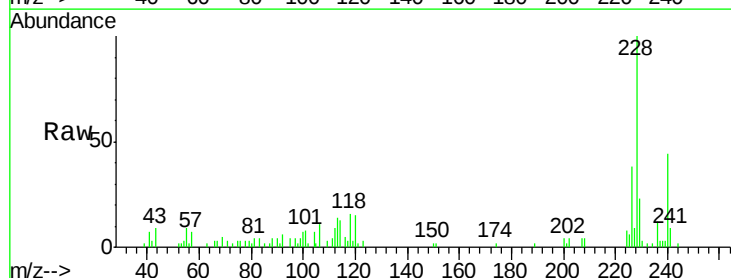
Tgt Ion:228 Resp: 21333

Ion Ratio Lower Upper

228 100

226 37.9 24.4 36.6#

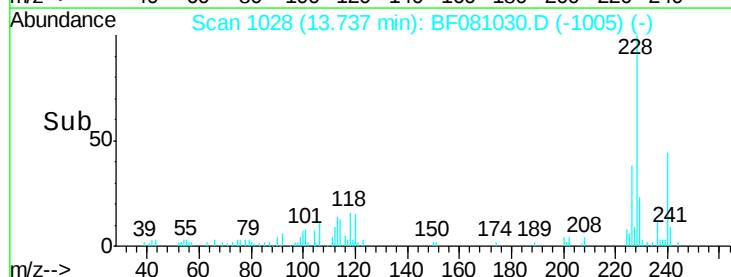
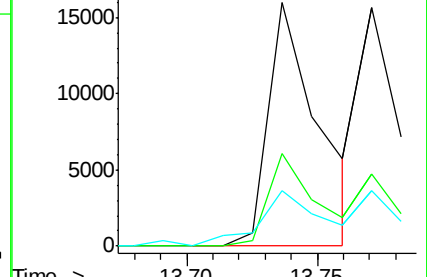
229 22.7 16.0 24.0

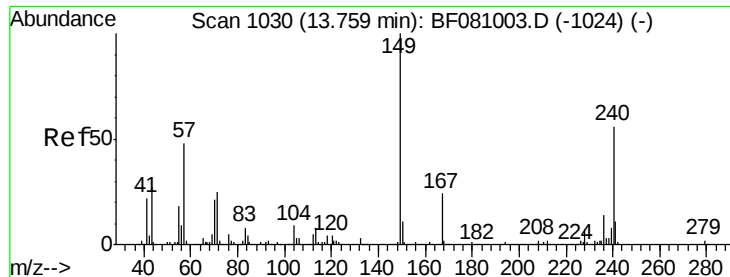


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.07 ng

RT: 13.76 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

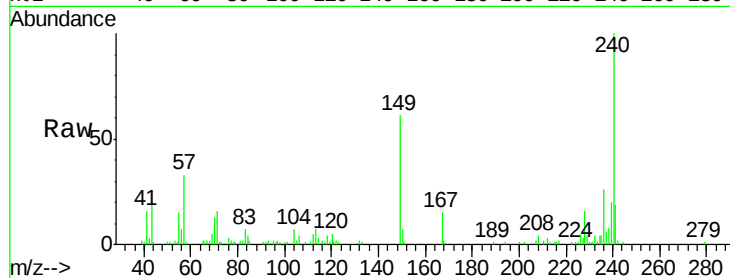
Tot Ion:149 Resp: 21269

Ion Ratio Lower Upper

149 100

167 24.2 20.7 31.1

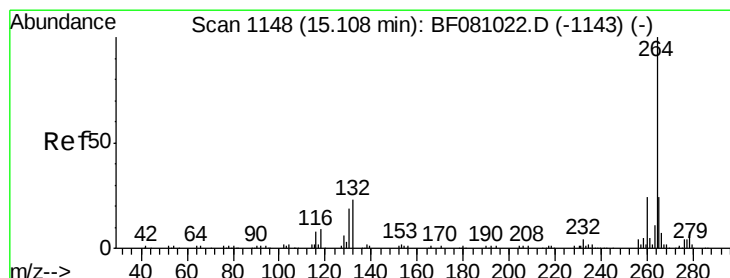
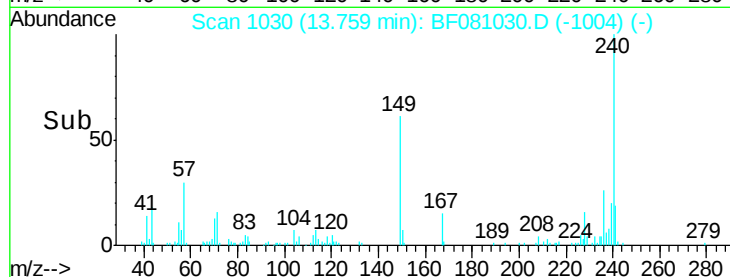
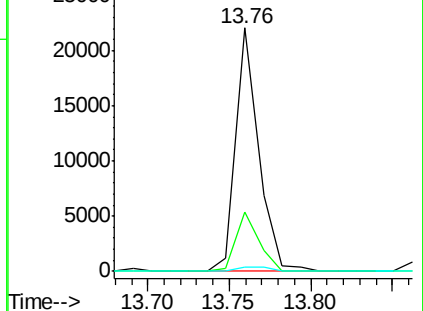
279 1.6 2.2 3.4#



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: 15.11 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

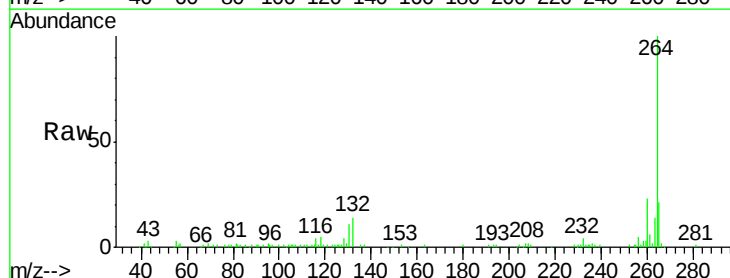
Tgt Ion:264 Resp: 94599

Ion Ratio Lower Upper

264 100

260 23.5 19.6 29.4

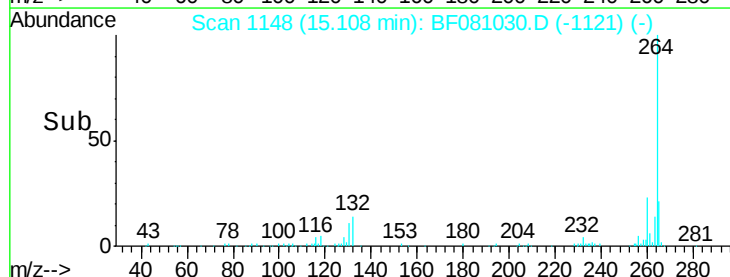
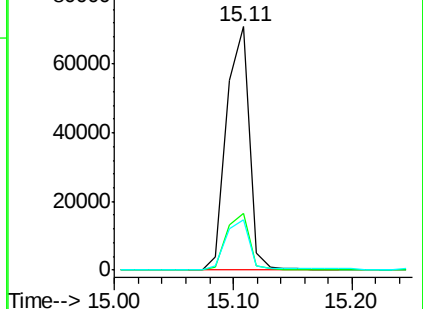
265 20.8 17.5 26.3

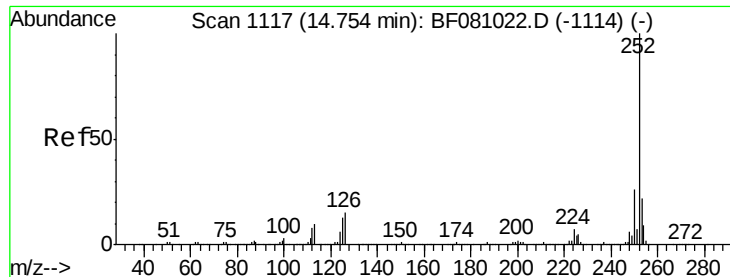


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.61 ng

RT: 14.74 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

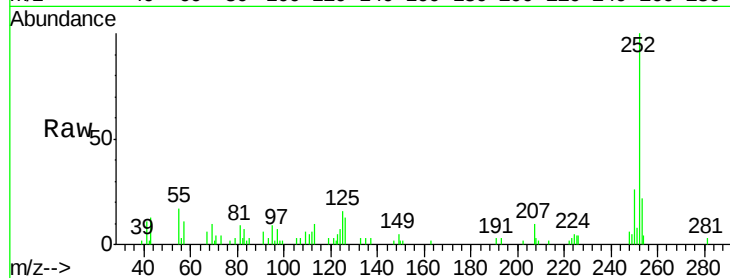
Tot Ion:252 Resp: 30860

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

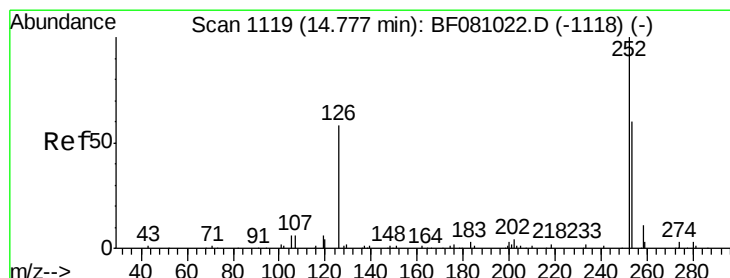
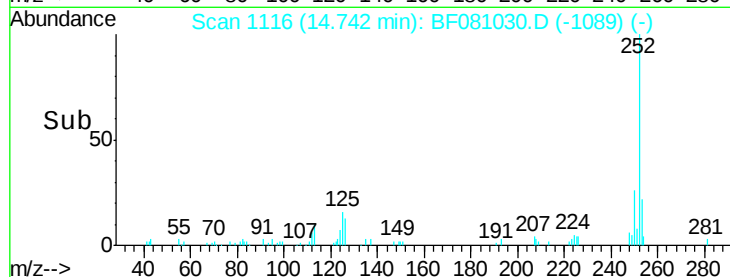
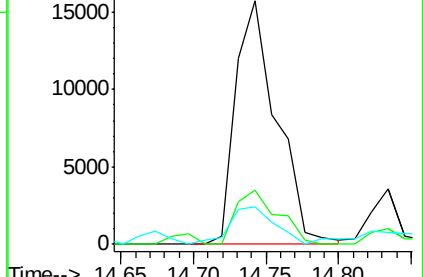
125 15.6 8.0 12.0#



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: 4.95 ng

RT: 14.74 min Scan# 1116

Delta R.T. -0.02 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

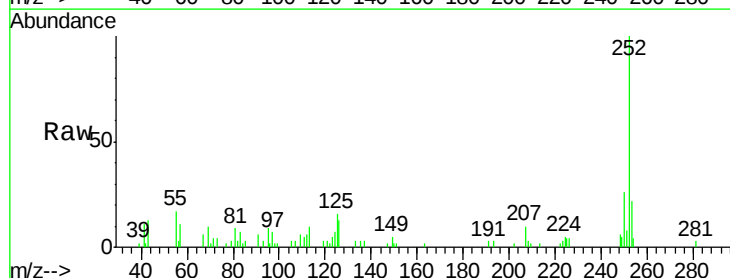
Tgt Ion:252 Resp: 30860

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

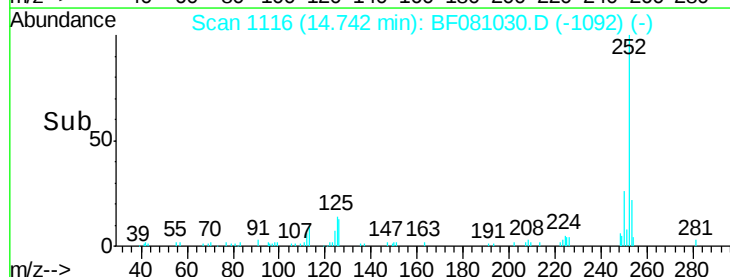
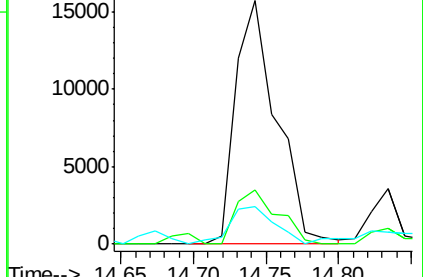
125 15.6 10.3 15.5#

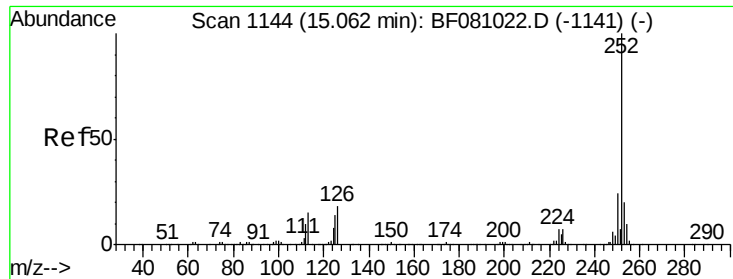


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.81 ng

RT: 15.05 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF081030.D

Acq: 18 Aug 2015 5:20

Instrument :

BNA_F

ClientSampleId :

P001-DS04-0012-01

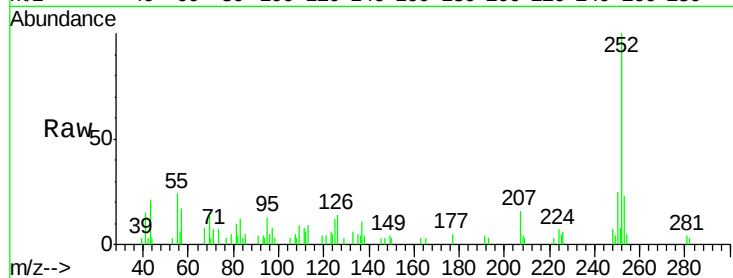
Tot Ion:252 Resp: 16393

Ion Ratio Lower Upper

252 100

253 23.1 16.6 25.0

125 11.5 7.8 11.8



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

