

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088007.D
 Acq On : 14 Jun 2016 19:30
 Operator : UM/SJ
 Sample : H3467-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Quant Time: Jun 15 03:56:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

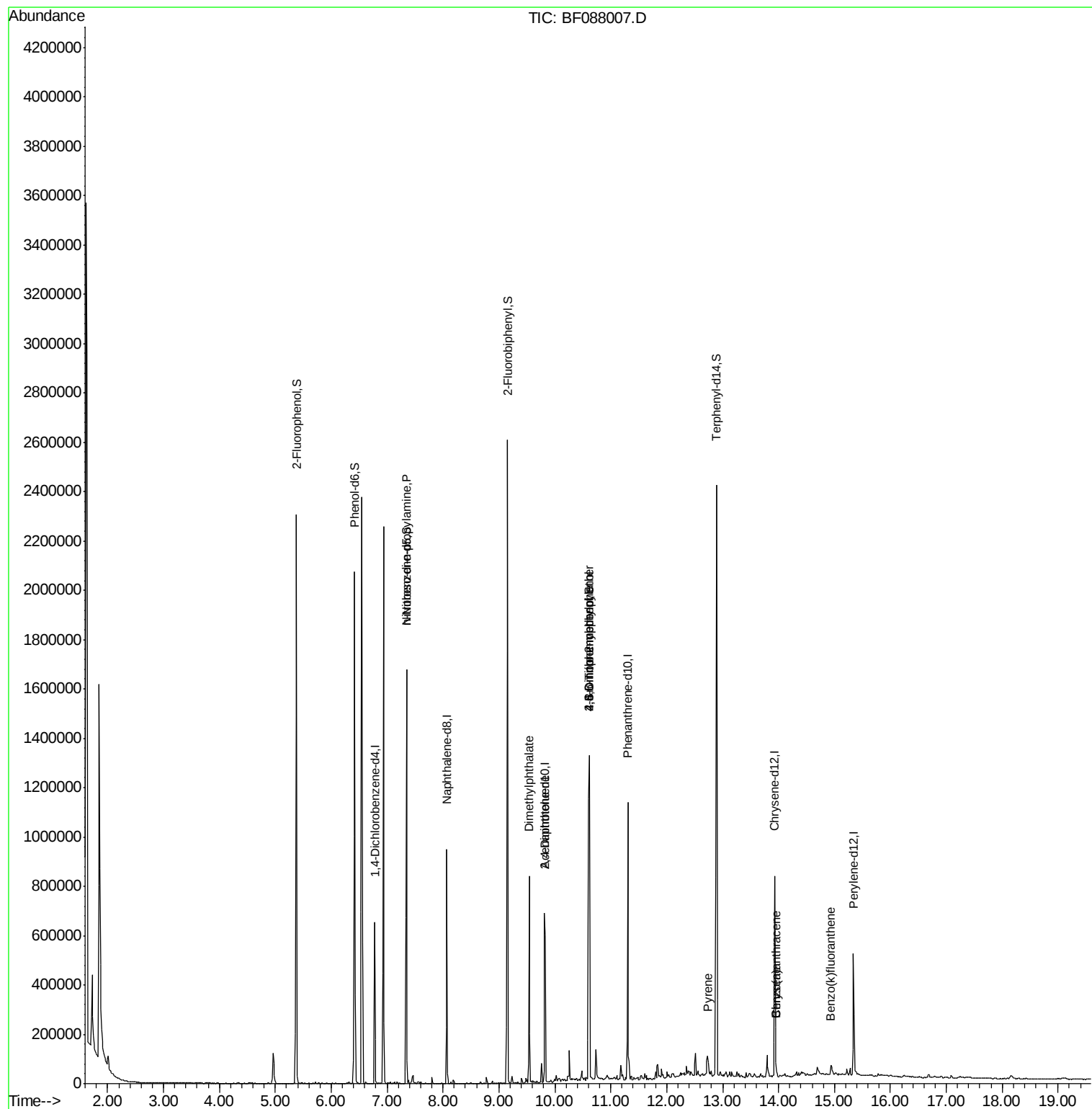
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	101316	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	427148	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	193350	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	373973	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	248579	20.00	ng	-0.02
86) Perylene-d12	15.34	264	213976	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	843278	142.29	ng	0.00
7) Phenol-d6	6.42	99	934971	130.17	ng	-0.01
23) Nitrobenzene-d5	7.35	82	603111	82.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	237282	116.23	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1097504	89.46	ng	-0.01
78) Terphenyl-d14	12.89	244	780800	71.48	ng	-0.01
Target Compounds						
10) Phenol	6.43	94	7636	Below Cal	#	51
19) n-Nitroso-di-n-propylamine	7.35	70	80784	17.58 ng	#	71
45) 1,1'-Biphenyl	9.24	154	1008	Below Cal		87
49) Dimethylphthalate	9.54	163	349916	24.98 ng		99
56) 2,4-Dinitrotoluene	9.82	165	24917	6.04 ng	#	37
57) Fluorene	10.36	166	1276	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.62	198	542	2.38 ng	#	17
66) 4-Bromophenyl-phenylether	10.62	248	15723	3.92 ng	#	1
77) Pyrene	12.73	202	39837	2.16 ng		97
80) Benzo(a)anthracene	13.95	228	38950	2.75 ng	#	92
82) Chrysene	13.95	228	38950	2.92 ng	#	95
88) Benzo(k)fluoranthene	14.94	252	25833	2.30 ng	#	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

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HF-20-WC-1

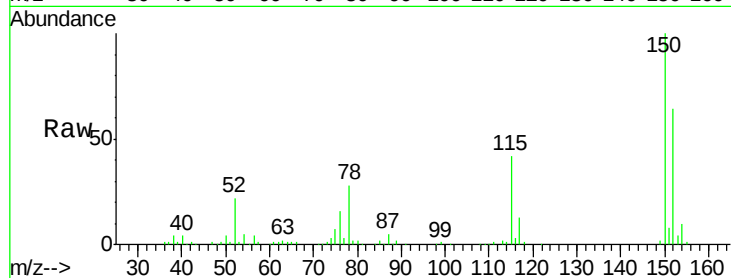
Tgt Ion:152 Resp: 101316

Ion Ratio Lower Upper

152 100

150 157.3 123.8 185.6

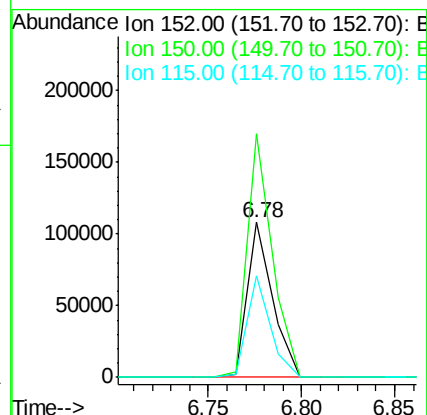
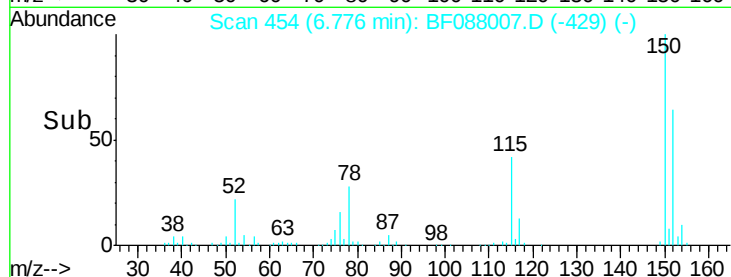
115 65.8 39.6 59.4#



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: 142.29 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.00 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

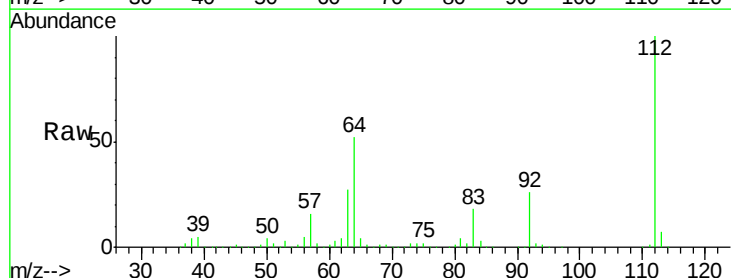
Tgt Ion:112 Resp: 843278

Ion Ratio Lower Upper

112 100

64 52.1 42.2 63.2

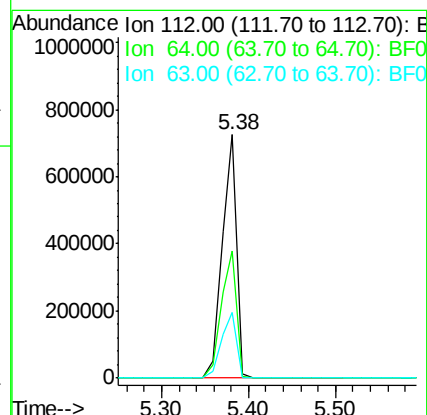
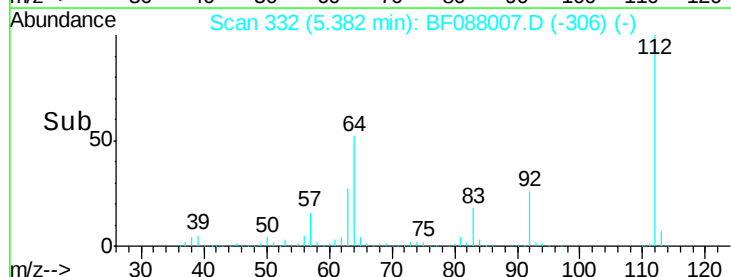
63 26.7 21.8 32.8

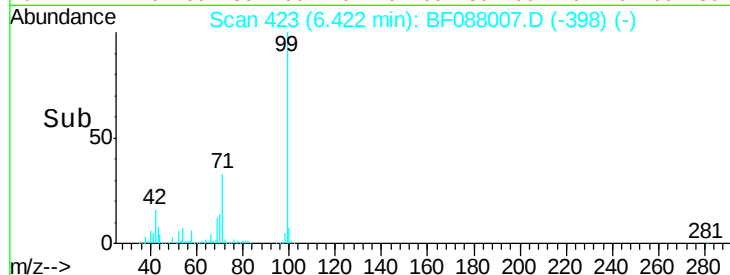
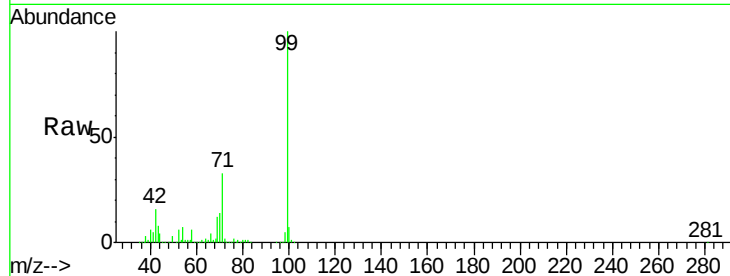


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.17 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

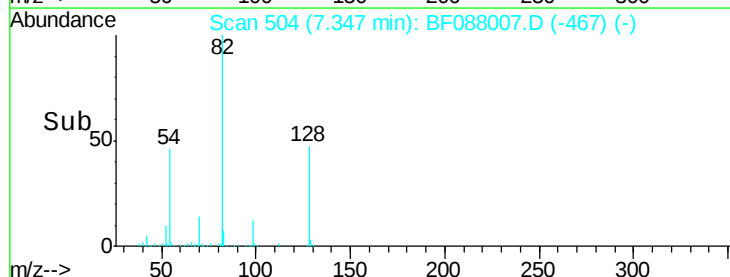
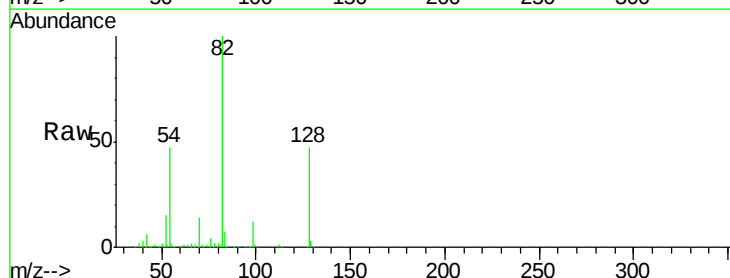
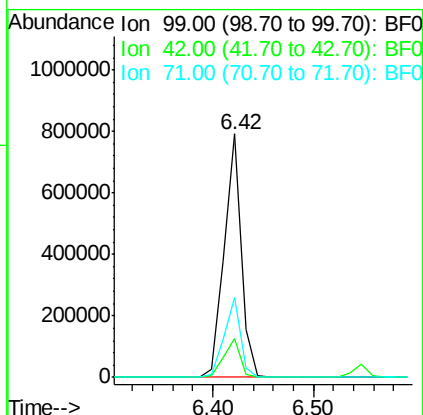
Tgt Ion: 99 Resp: 934971

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 32.9 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.58 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.13 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Tgt Ion: 70 Resp: 80784

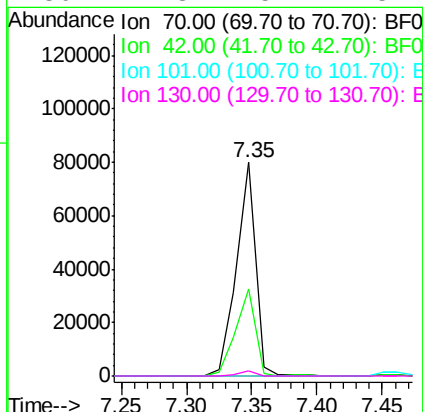
Ion Ratio Lower Upper

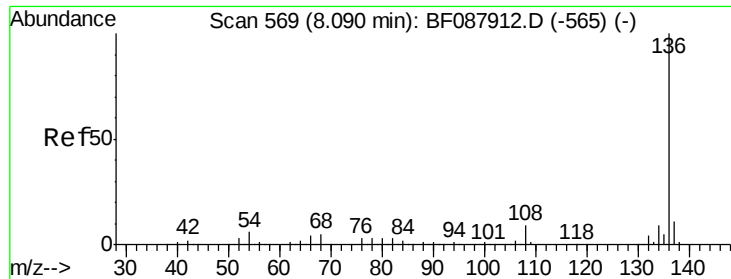
70 100

42 41.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

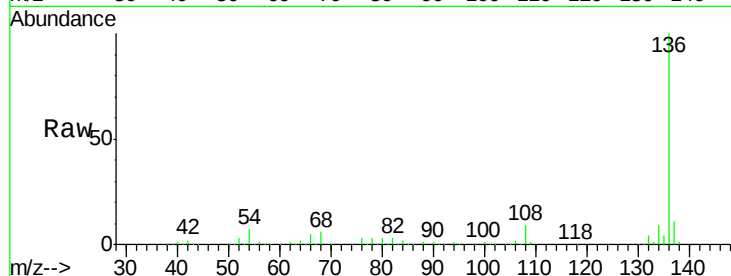




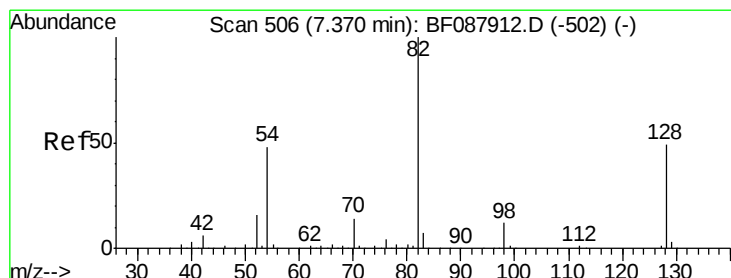
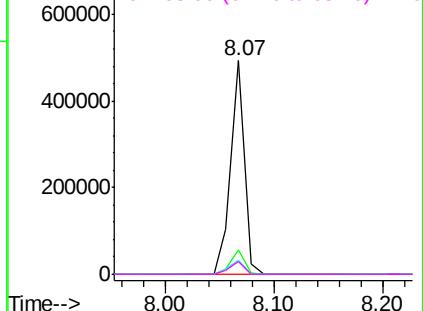
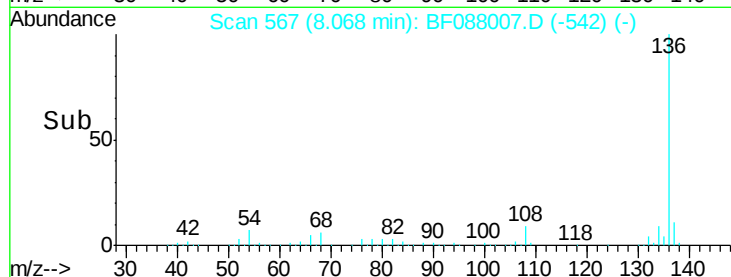
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF088007.D
Acq: 14 Jun 2016 19:30

Instrument :
BNA_F
ClientSampleId :
HF-20-WC-1

Tgt Ion: 136 Resp: 427148
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.7 6.6 10.0
68 5.9 5.1 7.7

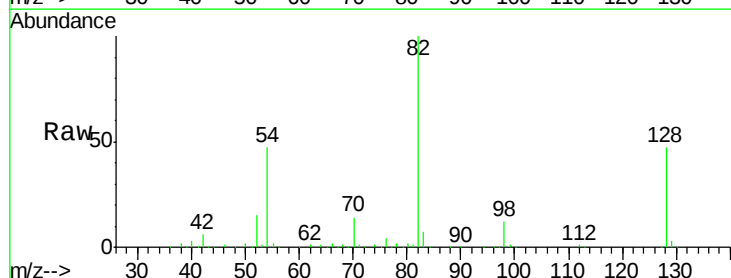


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

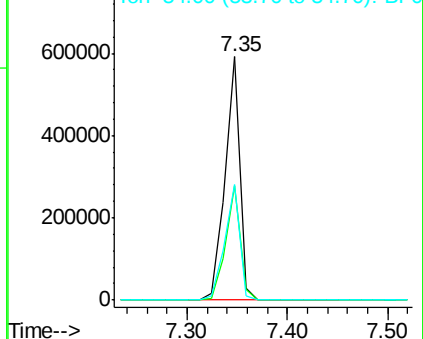
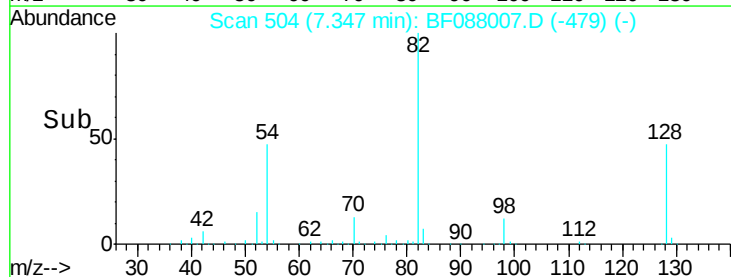


#23
Nitrobenzene-d5
Concen: 82.45 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF088007.D
Acq: 14 Jun 2016 19:30

Tgt Ion: 82 Resp: 603111
Ion Ratio Lower Upper
82 100
128 46.9 35.9 53.9
54 47.3 40.9 61.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

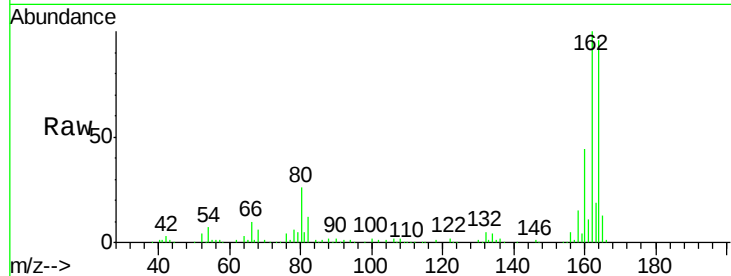
Tgt Ion:164 Resp: 193350

Ion Ratio Lower Upper

164 100

162 103.9 85.4 128.2

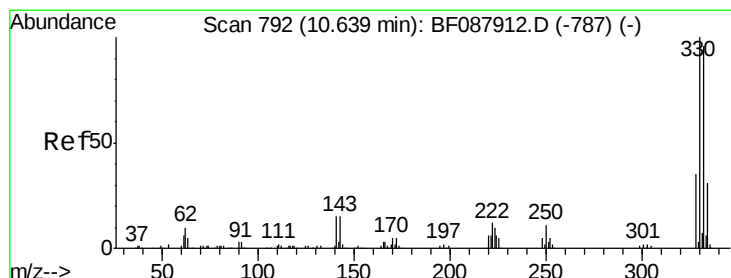
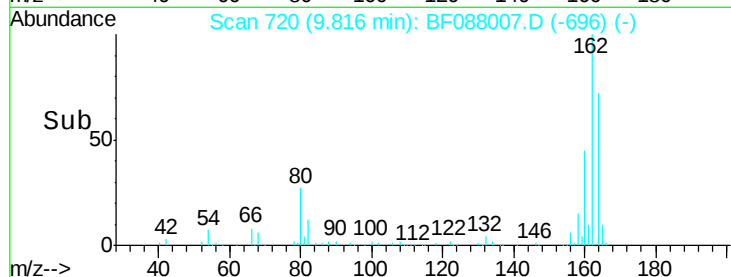
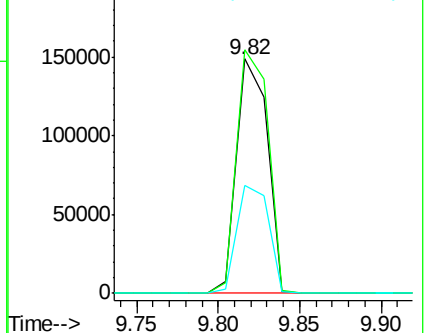
160 46.0 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 116.23 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

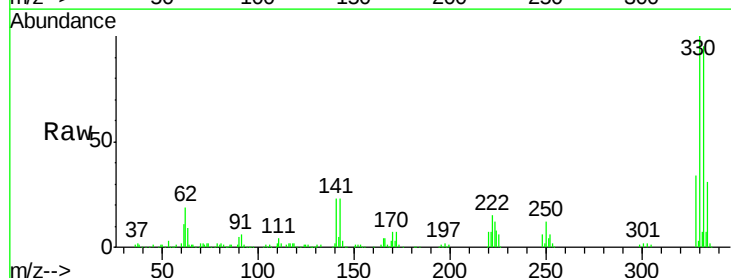
Tgt Ion:330 Resp: 237282

Ion Ratio Lower Upper

330 100

332 94.5 0.0 0.0#

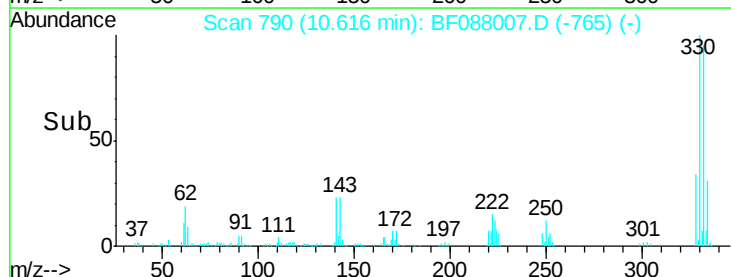
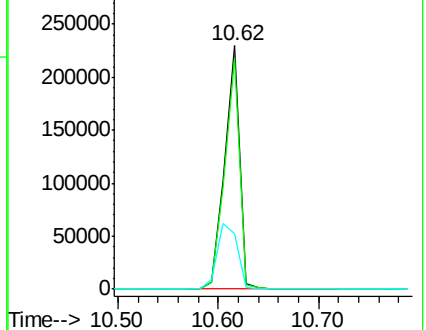
141 36.7 0.0 0.0#

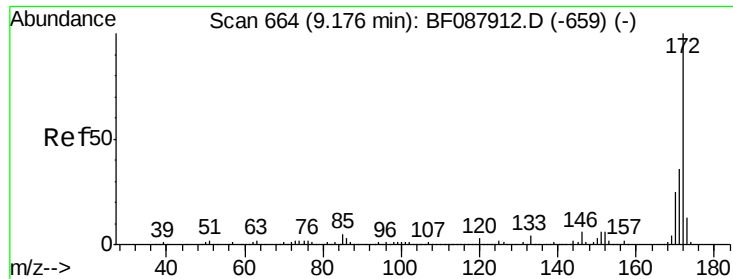


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

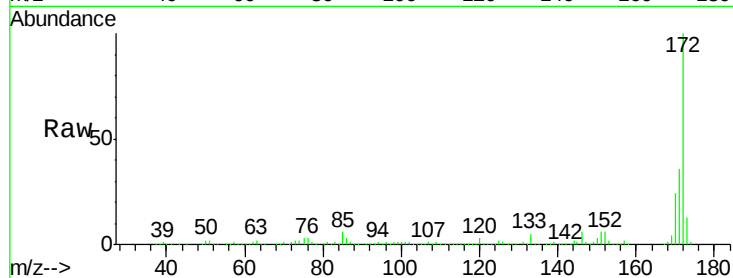




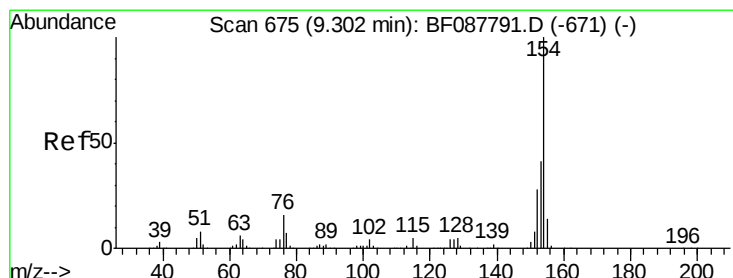
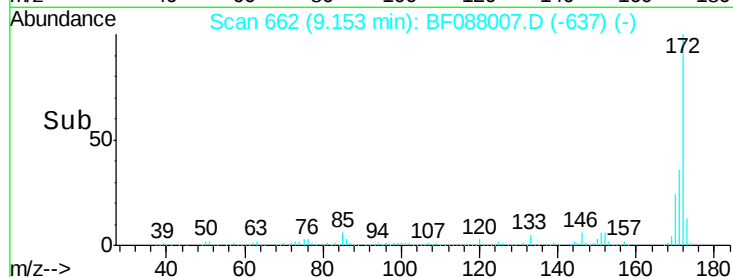
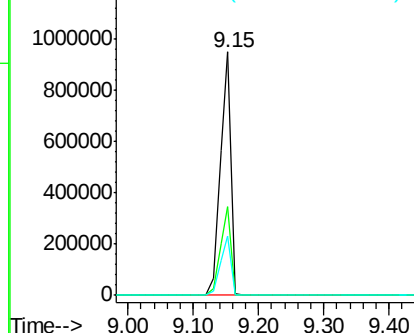
#44
 2-Fluorobiphenyl
 Concen: 89.46 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF088007.D
 Acq: 14 Jun 2016 19:30

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Tgt Ion:172 Resp: 1097504
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.5 19.2 28.8

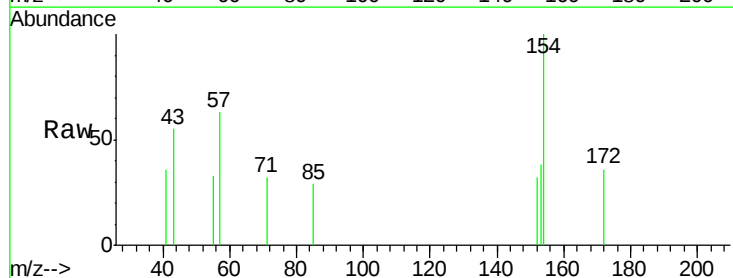


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

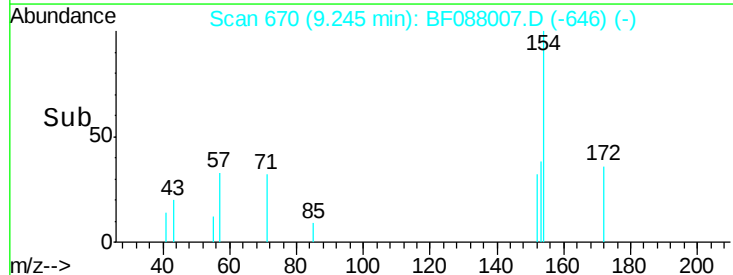
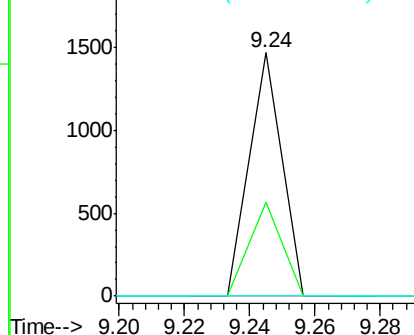


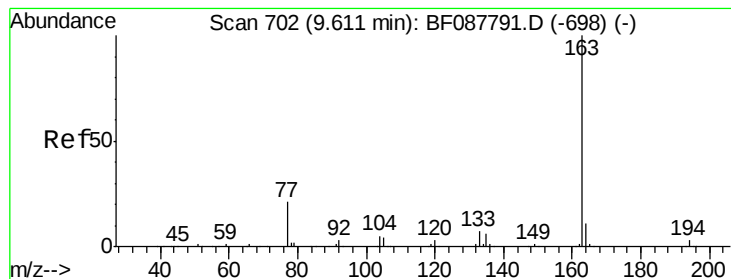
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.24 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF088007.D
 Acq: 14 Jun 2016 19:30

Tgt Ion:154 Resp: 1008
 Ion Ratio Lower Upper
 154 100
 153 38.3 20.6 60.6
 76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 24.98 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

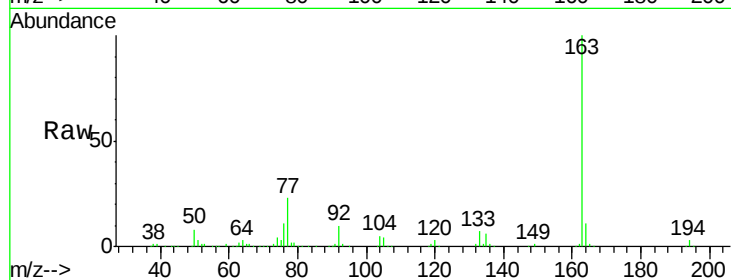
Tgt Ion:163 Resp: 349916

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

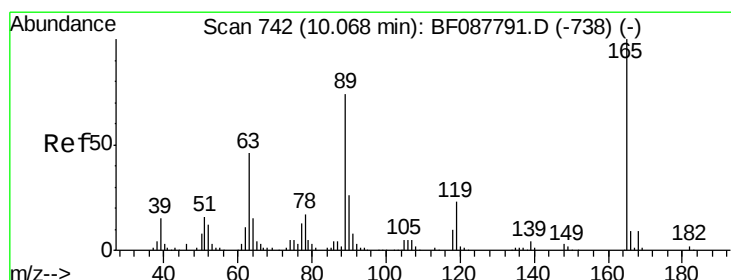
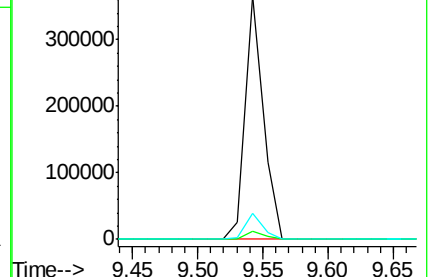
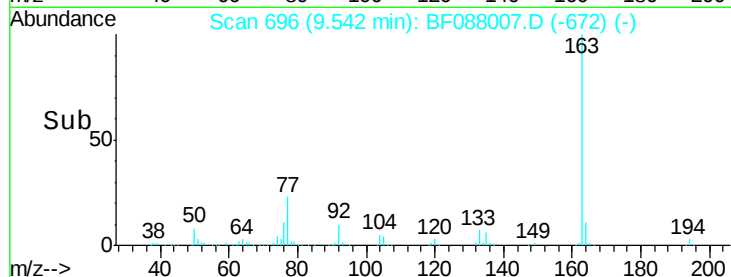
164 10.7 8.3 12.5



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: 6.04 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.22 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Tgt Ion:165 Resp: 24917

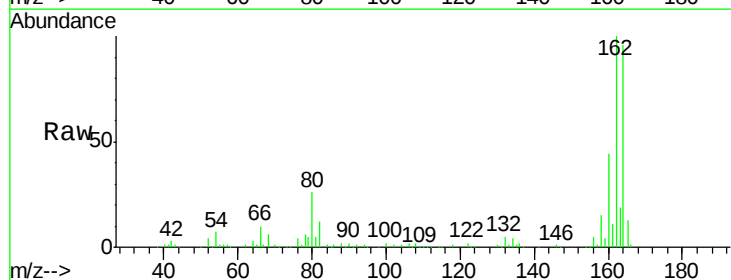
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

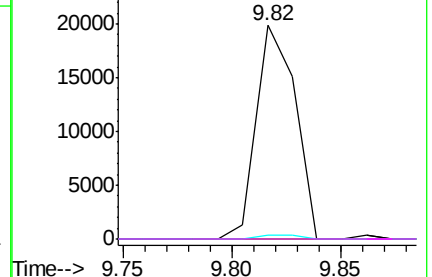
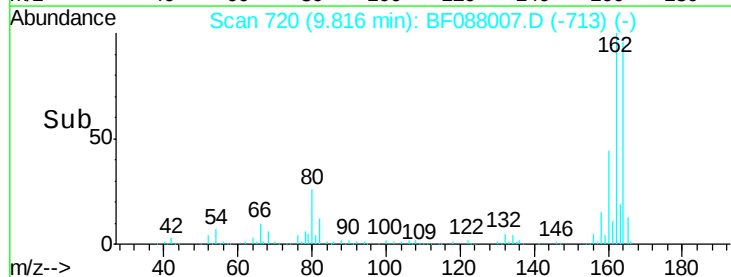


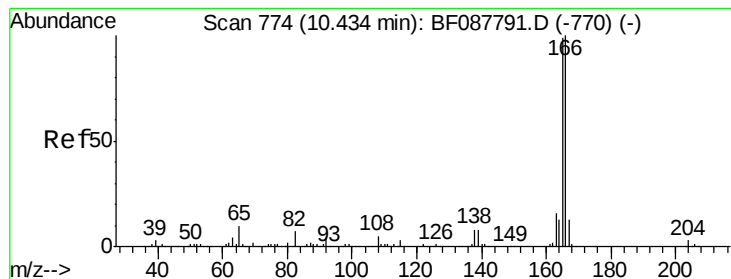
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

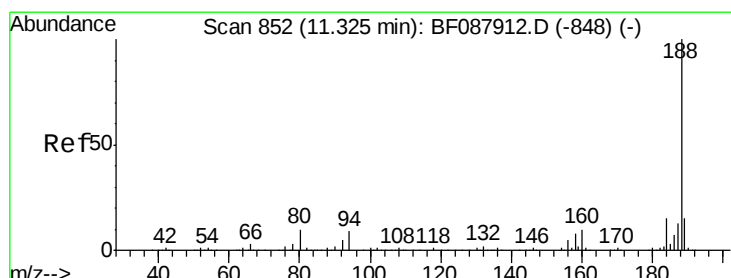
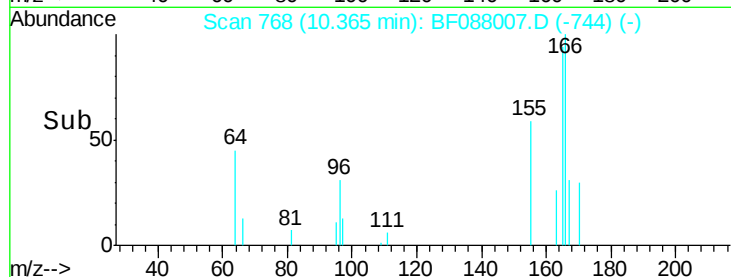
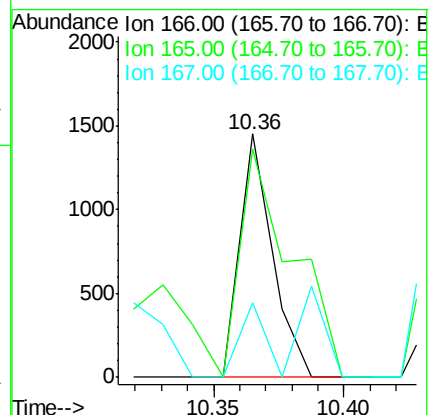
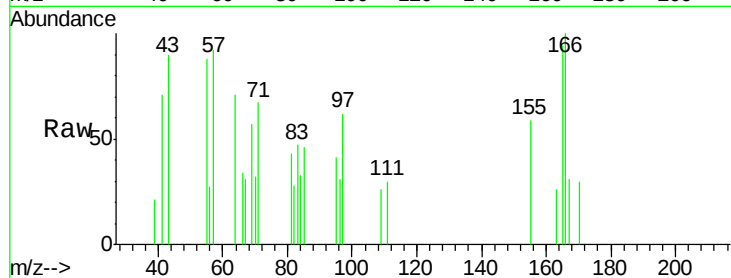
Tgt Ion:166 Resp: 1276

Ion Ratio Lower Upper

166 100

165 93.9 77.8 116.8

167 30.8 11.2 16.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

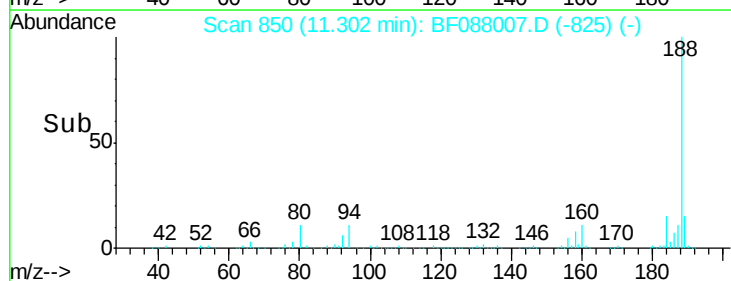
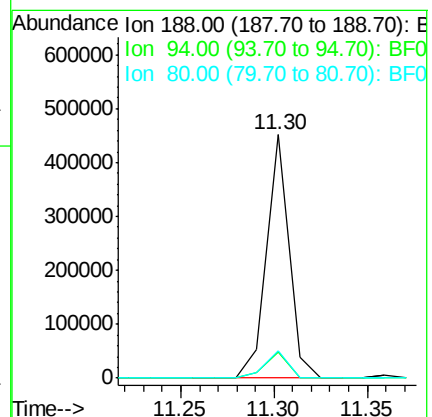
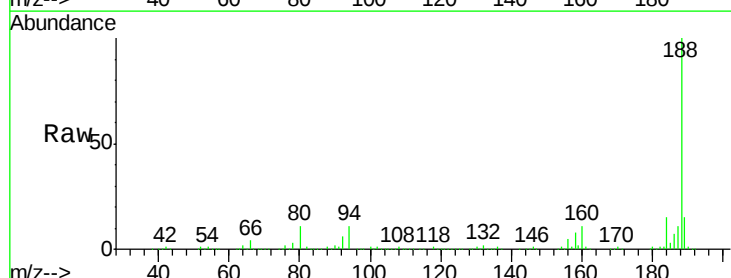
Tgt Ion:188 Resp: 373973

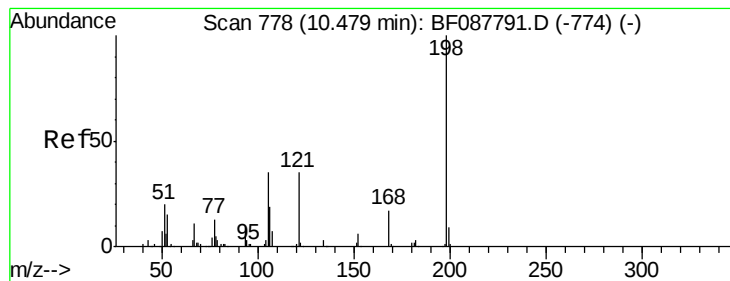
Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

80 11.2 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.38 ng

RT: 10.62 min Scan# 790

Delta R.T. 0.18 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

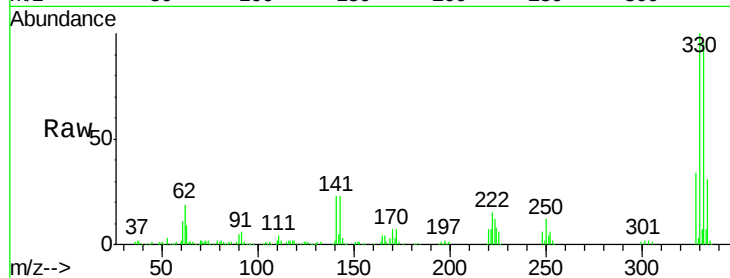
Tgt Ion:198 Resp: 542

Ion Ratio Lower Upper

198 100

51 96.4 39.6 79.6#

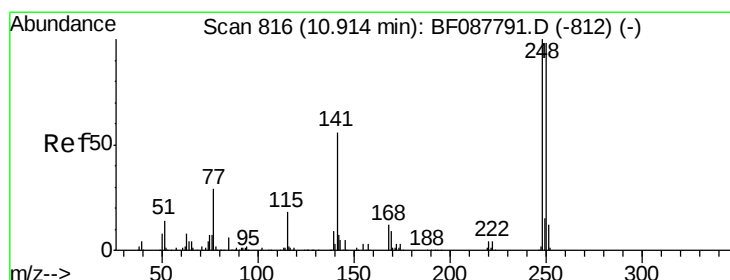
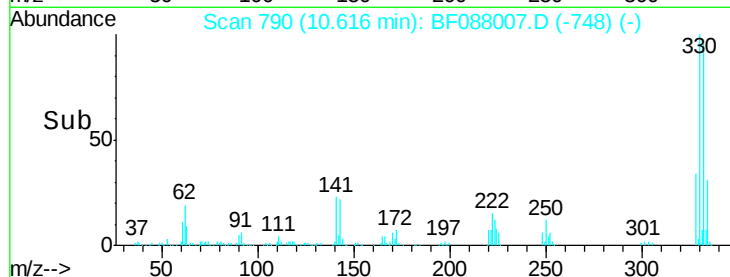
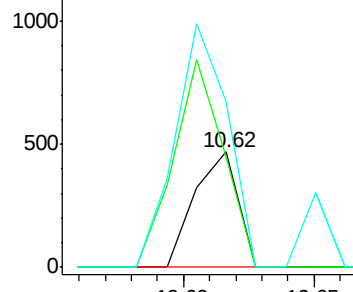
105 143.8 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.92 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.25 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

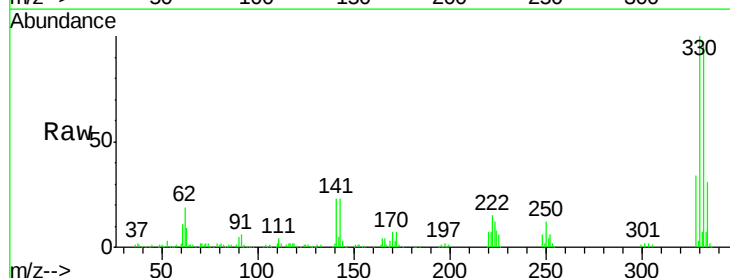
Tgt Ion:248 Resp: 15723

Ion Ratio Lower Upper

248 100

250 198.6 77.1 115.7#

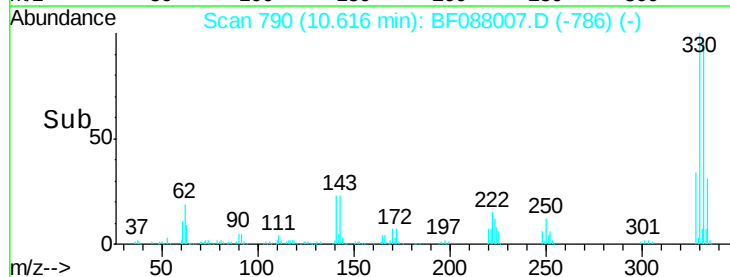
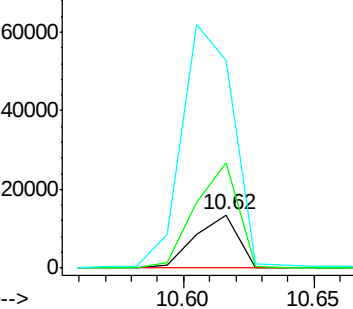
141 390.5 50.6 76.0#

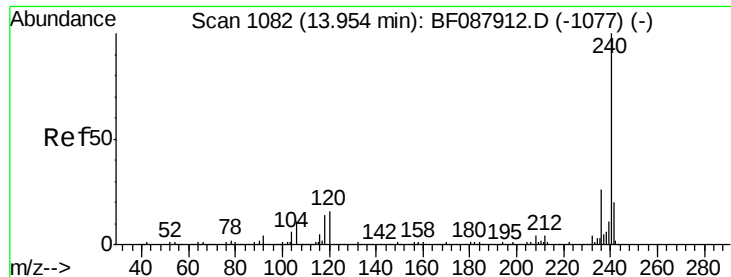


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

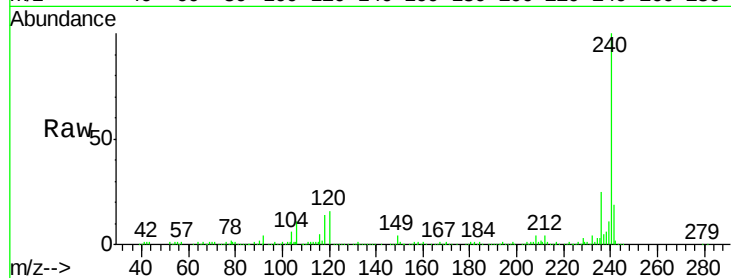
Tgt Ion:240 Resp: 248579

Ion Ratio Lower Upper

240 100

120 16.2 6.8 10.2#

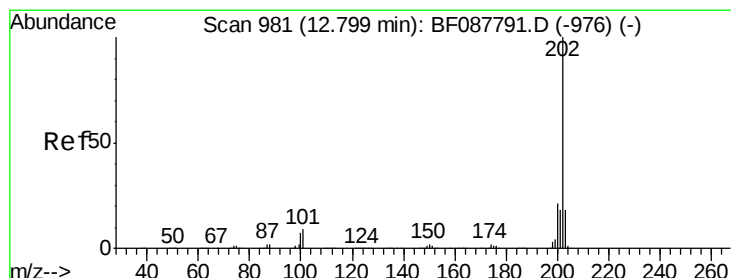
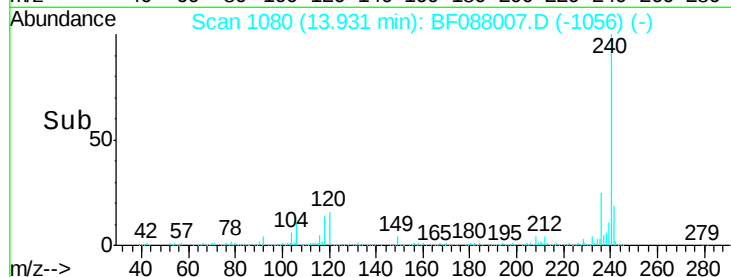
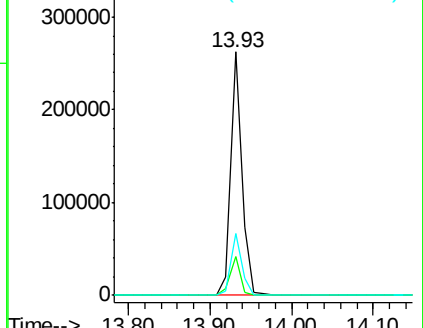
236 25.2 20.2 30.2



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: 2.16 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

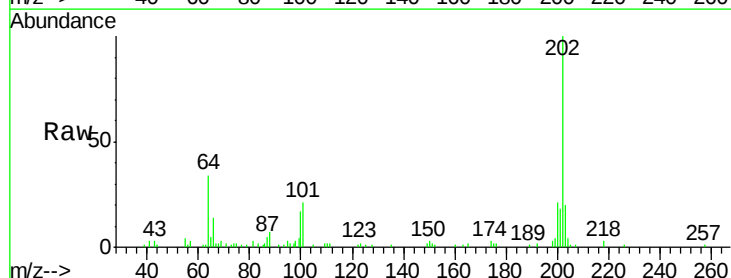
Tgt Ion:202 Resp: 39837

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

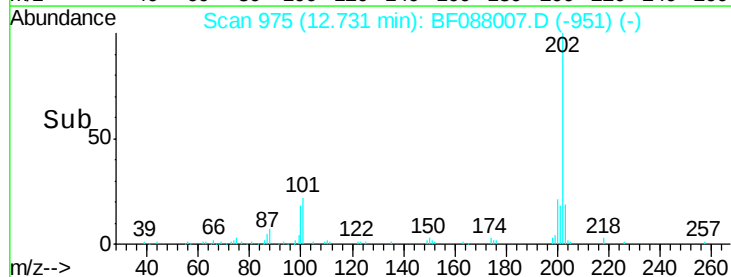
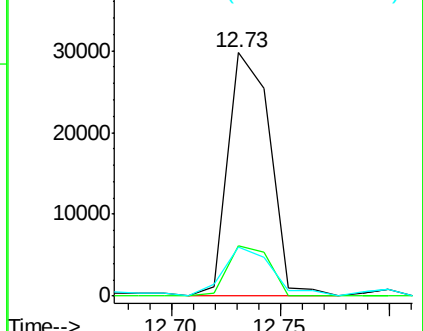
203 20.2 14.5 21.7

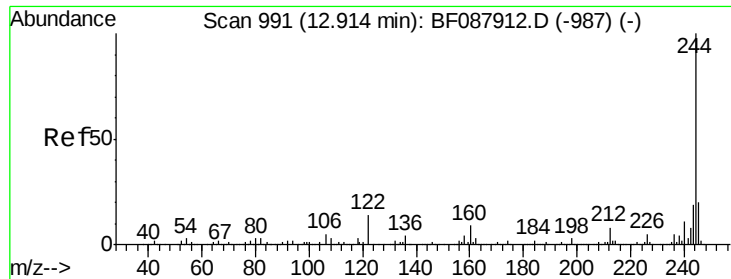


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

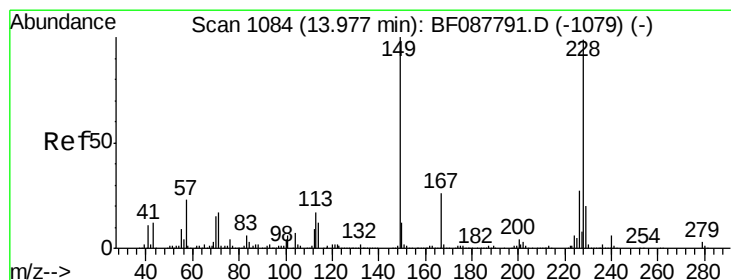
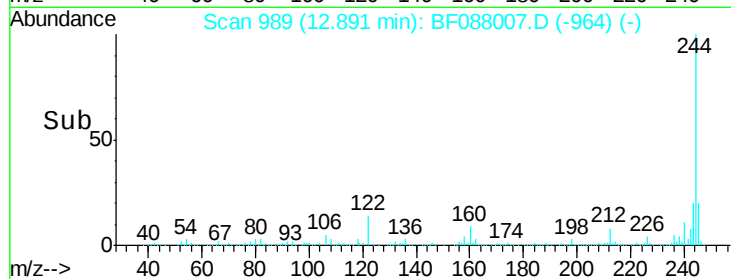
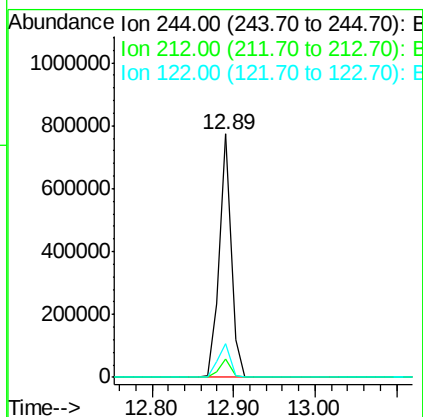
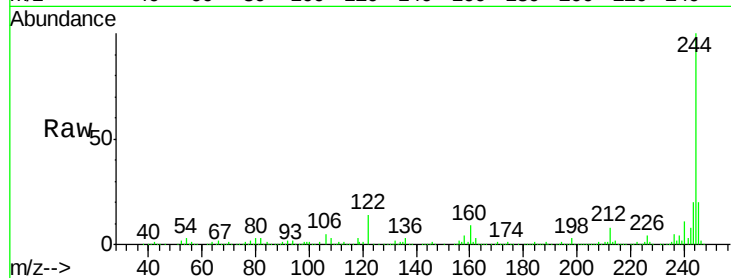




#78
 Terphenyl-d14
 Concen: 71.48 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: BF088007.D
 Acq: 14 Jun 2016 19:30

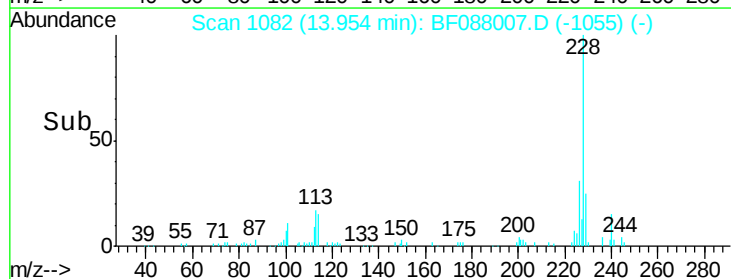
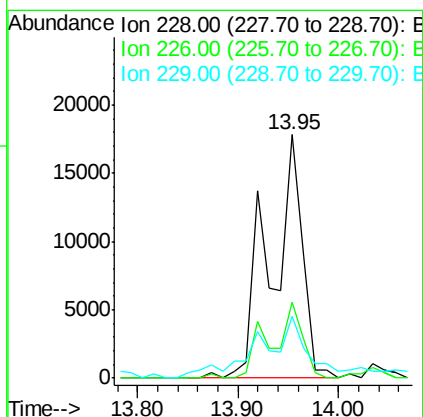
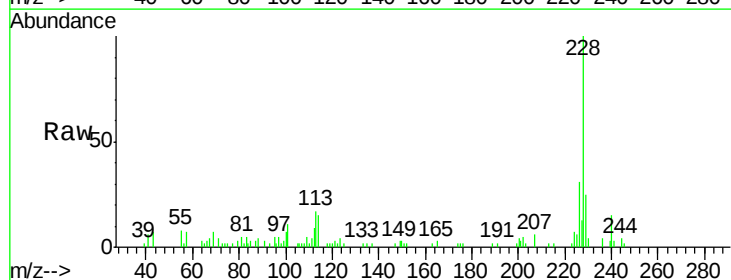
Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

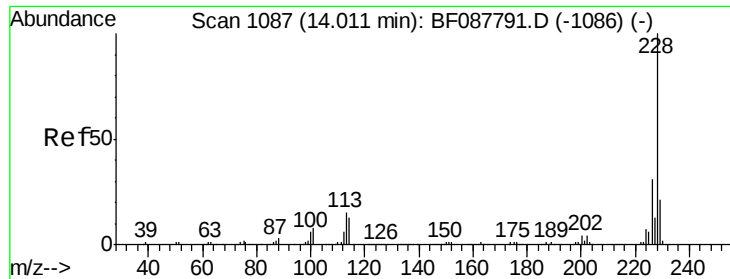
Tgt Ion:244 Resp: 780800
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 14.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 2.75 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: BF088007.D
 Acq: 14 Jun 2016 19:30

Tgt Ion:228 Resp: 38950
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.3 33.5
 229 25.2 16.0 24.0#





#82

Chrysene

Concen: 2.92 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

Instrument :

BNA_F

ClientSampleId :

HF-20-WC-1

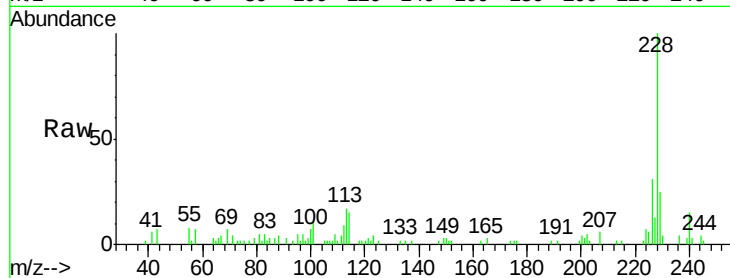
Tgt Ion:228 Resp: 38950

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.2

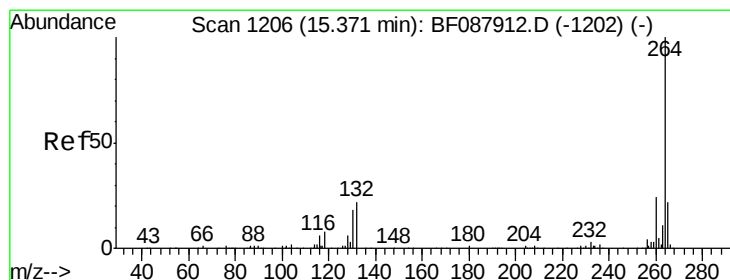
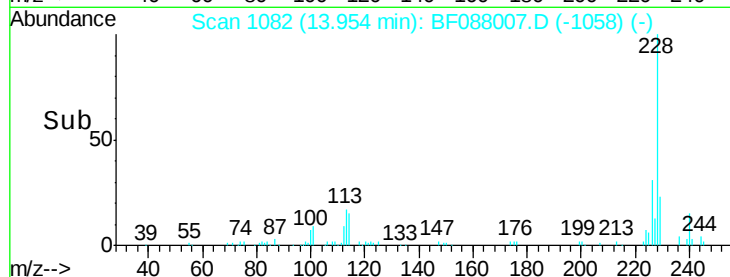
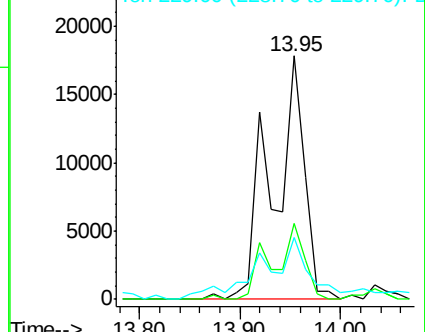
229 25.2 16.3 24.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.34 min Scan# 1203

Delta R.T. -0.02 min

Lab File: BF088007.D

Acq: 14 Jun 2016 19:30

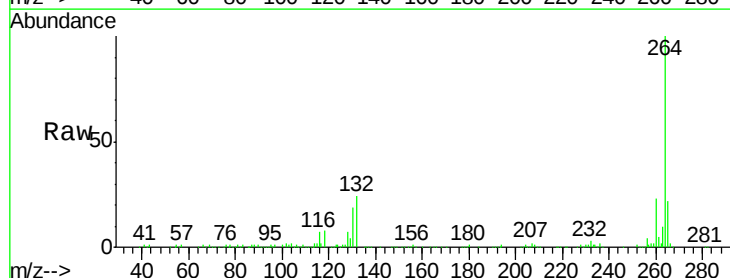
Tgt Ion:264 Resp: 213976

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

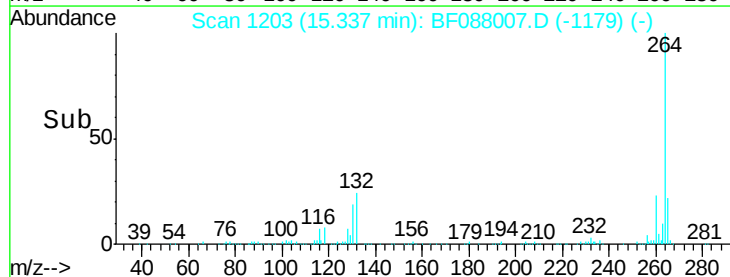
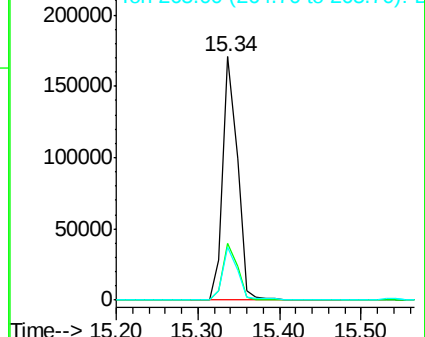
265 21.7 16.9 25.3

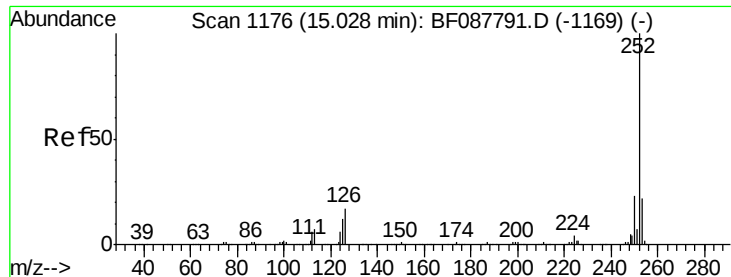


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

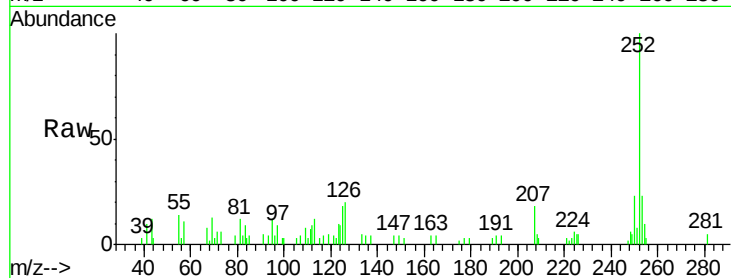




#88
 Benzo(k)fluoranthene
 Concen: 2.30 ng
 RT: 14.94 min Scan# 1168
 Delta R.T. -0.05 min
 Lab File: BF088007.D
 Acq: 14 Jun 2016 19:30

Instrument :
 BNA_F
 ClientSampleId :
 HF-20-WC-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	18.1	11.2	16.8



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

