

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086953.D
 Acq On : 13 May 2016 2:15
 Operator : UM/SJ
 Sample : H2968-06 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Quant Time: May 13 03:02:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

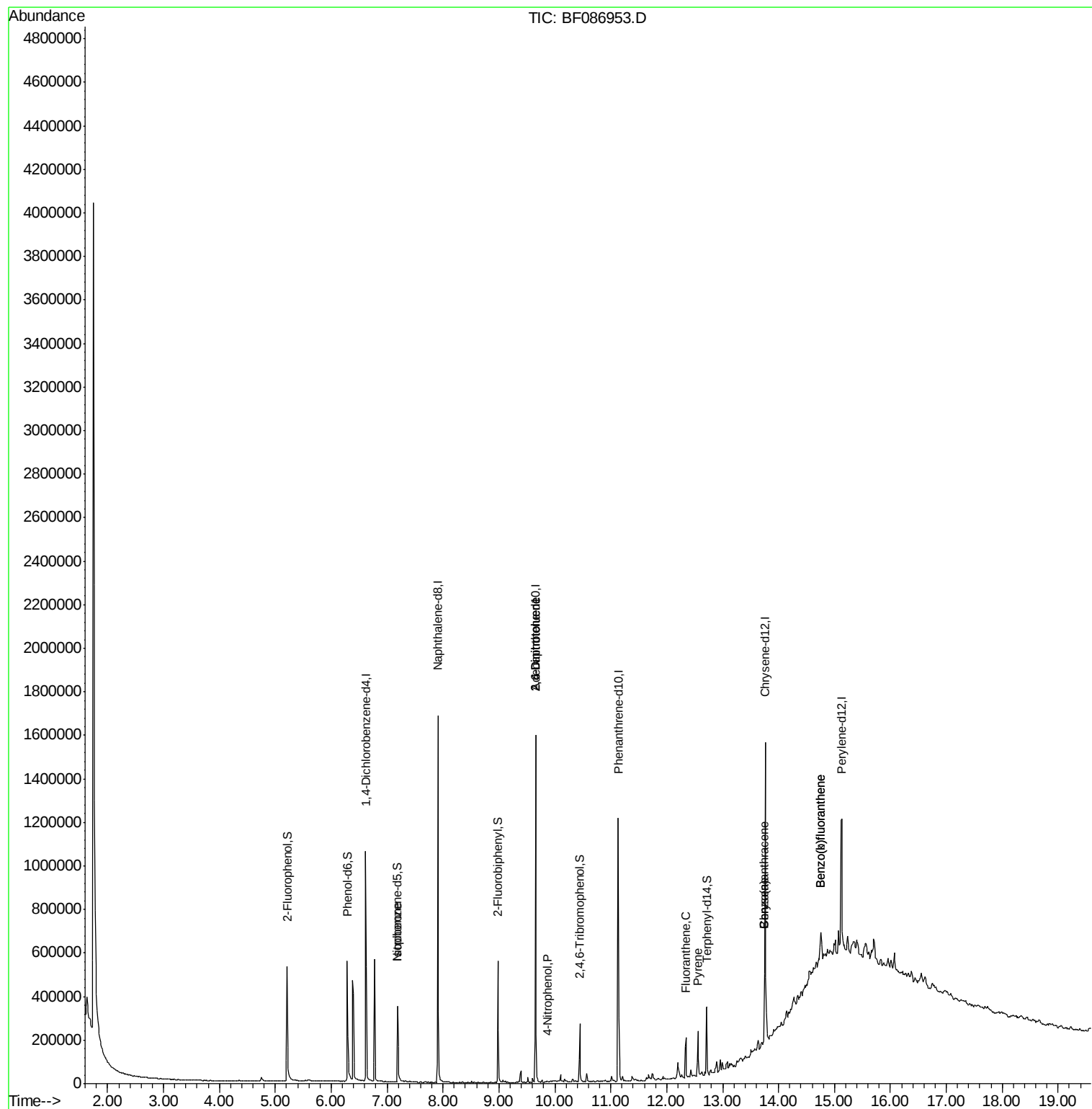
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	168641	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	681150	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	282666	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	421392	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	432598	20.00	ng	-0.01
86) Perylene-d12	15.13	264	346615	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	163148	16.38	ng	0.00
7) Phenol-d6	6.28	99	220668	16.58	ng	-0.01
23) Nitrobenzene-d5	7.19	82	132846	9.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	33167	11.08	ng	-0.01
44) 2-Fluorobiphenyl	8.98	172	189290	11.25	ng	-0.01
78) Terphenyl-d14	12.72	244	132852	6.52	ng	0.00
Target Compounds						
25) Isophorone	7.19	82	126298	5.02	ng	# 68
50) 2,6-Dinitrotoluene	9.66	165	36121	7.96	ng	# 21
55) 4-Nitrophenol	9.86	139	405	4.68	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	36121	6.43	ng	# 16
74) Fluoranthene	12.34	202	100805	4.36	ng	92
77) Pyrene	12.56	202	84195	2.54	ng	97
80) Benzo(a)anthracene	13.75	228	65124	2.68	ng	# 90
82) Chrysene	13.75	228	65124	2.64	ng	91
87) Benzo(b)fluoranthene	14.75	252	77553	3.44	ng	# 91
88) Benzo(k)fluoranthene	14.75	252	77553	4.20	ng	# 89

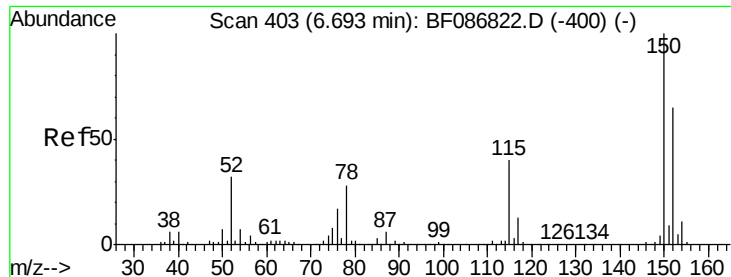
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

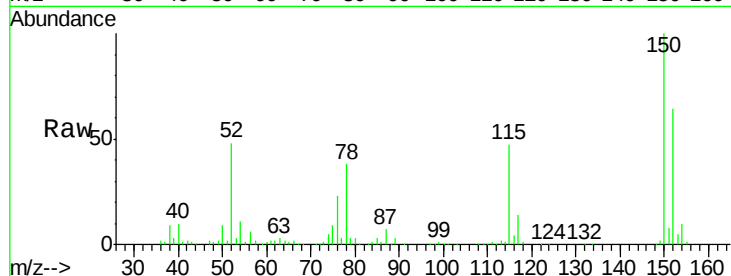
Tgt Ion:152 Resp: 168641

Ion Ratio Lower Upper

152 100

150 157.4 125.8 188.6

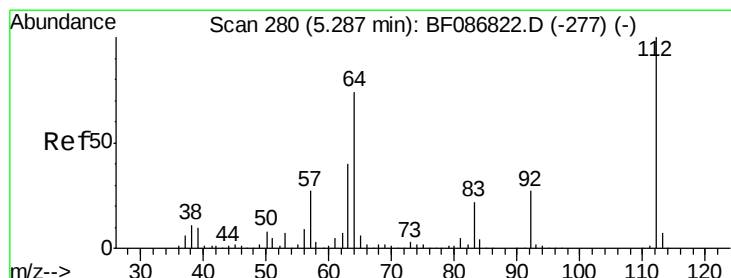
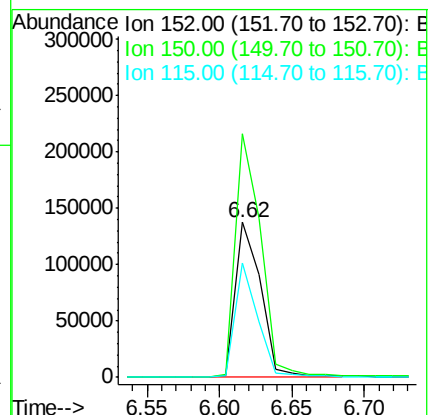
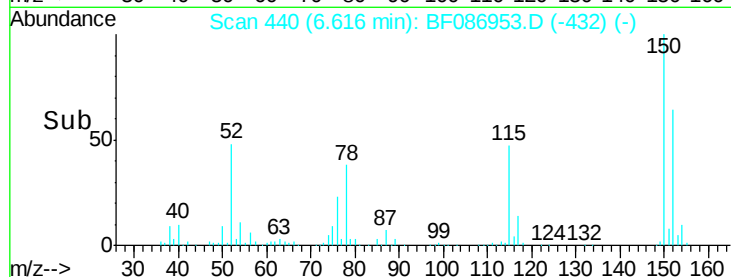
115 74.1 51.5 77.3



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: 16.38 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

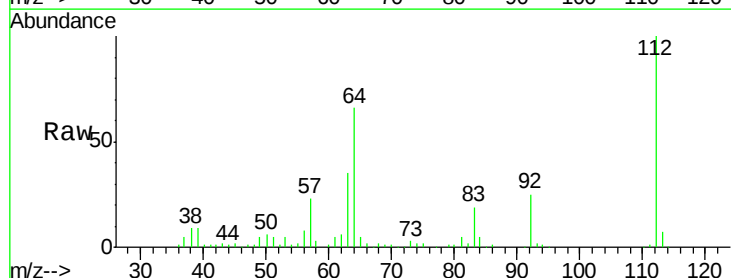
Tgt Ion:112 Resp: 163148

Ion Ratio Lower Upper

112 100

64 66.1 52.1 78.1

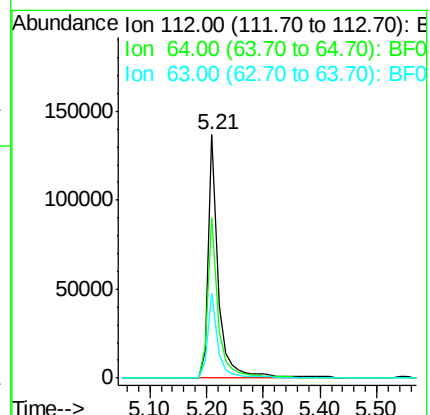
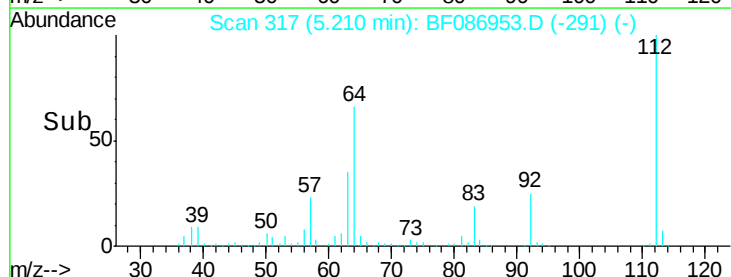
63 34.8 25.7 38.5

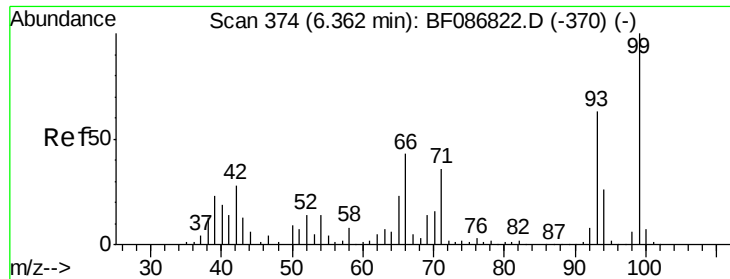


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.58 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

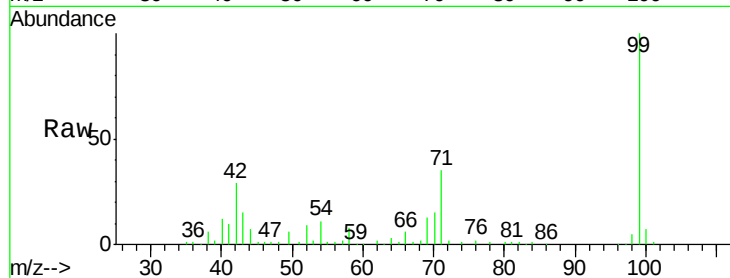
Tgt Ion: 99 Resp: 220668

Ion Ratio Lower Upper

99 100

42 28.9 13.6 20.4#

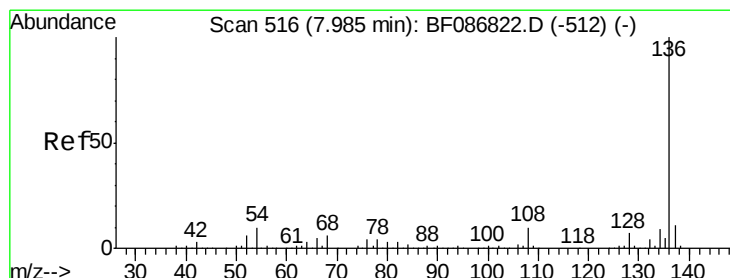
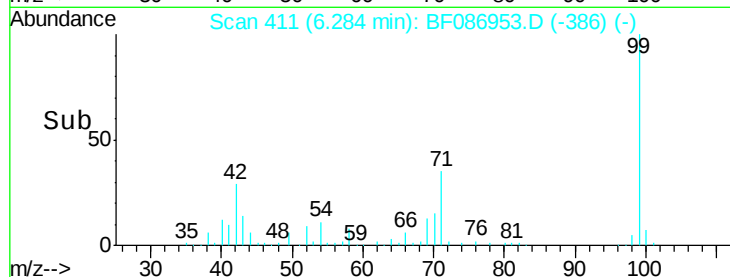
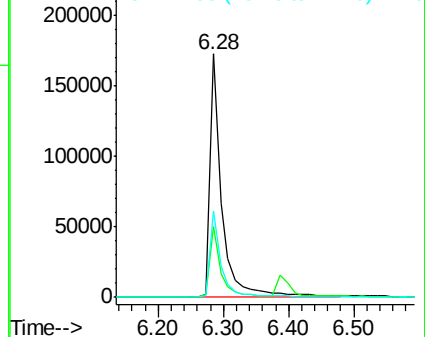
71 35.3 24.6 36.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Tgt Ion: 136 Resp: 681150

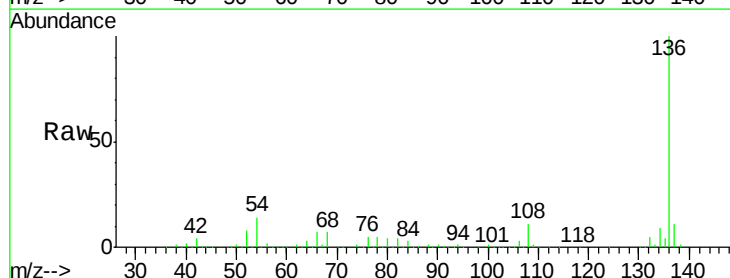
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 13.6 5.0 7.4#

68 7.3 4.4 6.6#

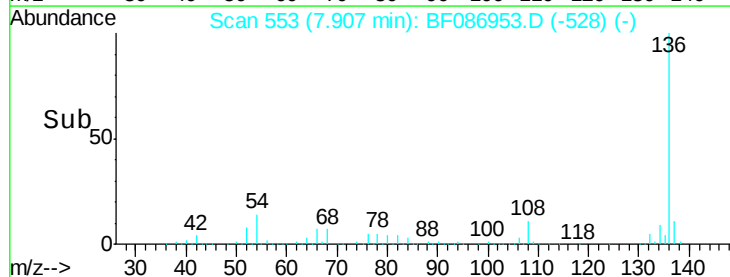
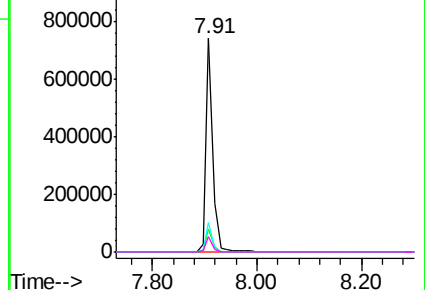


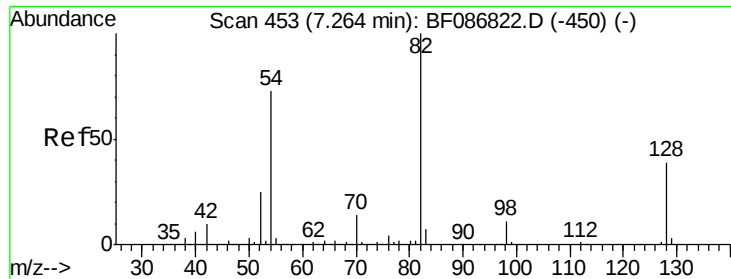
Abundance Ion 136.00 (135.70 to 136.70): E

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

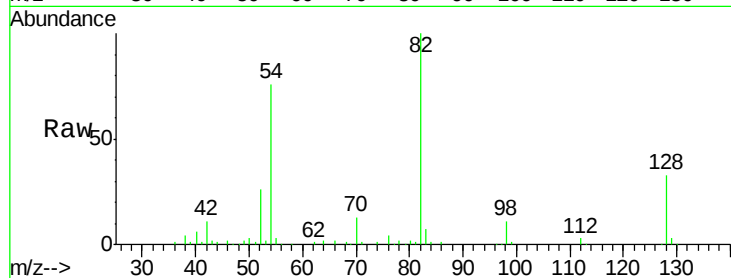




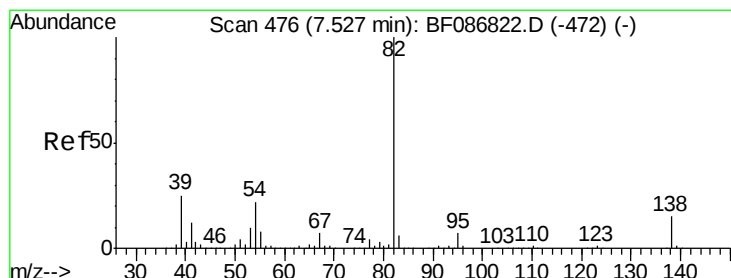
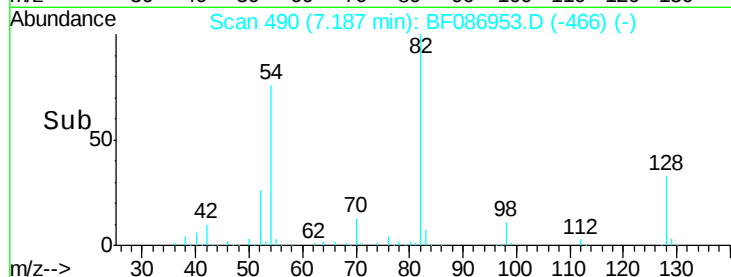
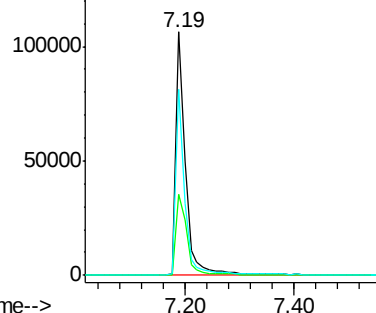
#23
 Nitrobenzene-d5
 Concen: 9.79 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Instrument :
 BNA_F
 ClientSampleId :
 TP42-4.5FT

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.2	40.6	61.0#
54	76.3	38.1	57.1#

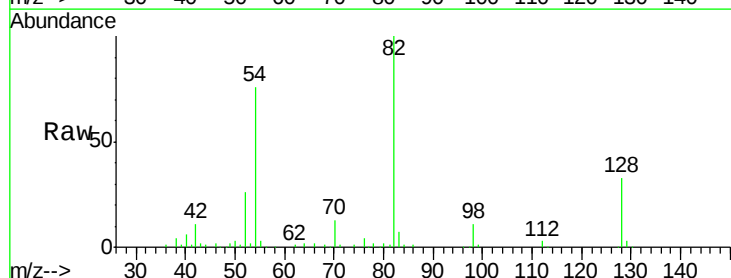


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

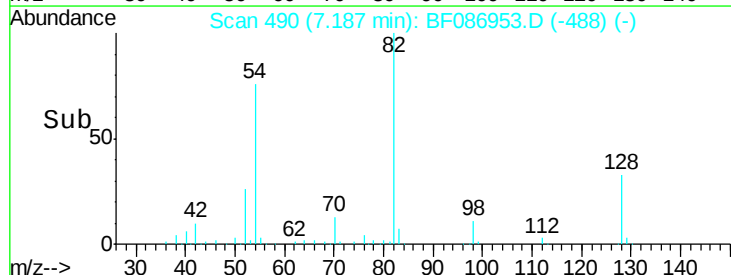
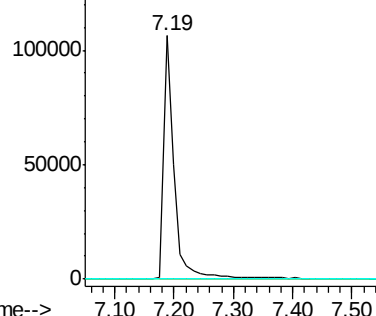


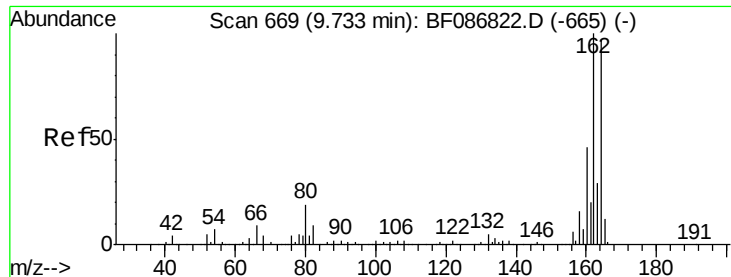
#25
 Isophorone
 Concen: 5.02 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.27 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

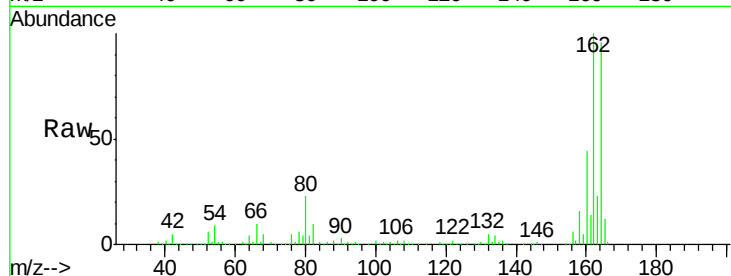
Tgt Ion:164 Resp: 282666

Ion Ratio Lower Upper

164 100

162 104.2 82.8 124.2

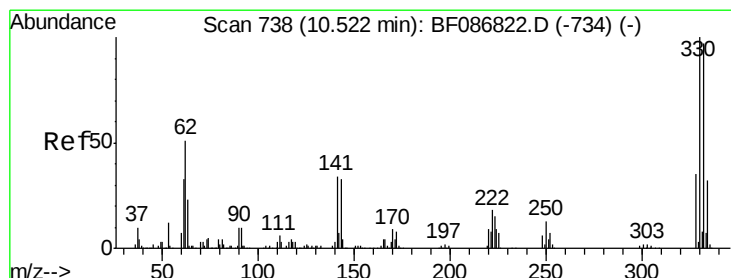
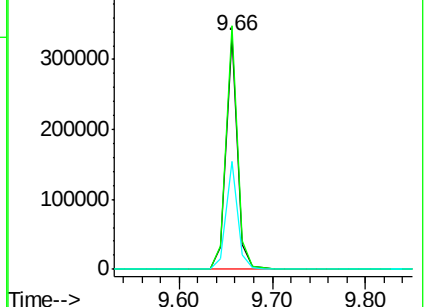
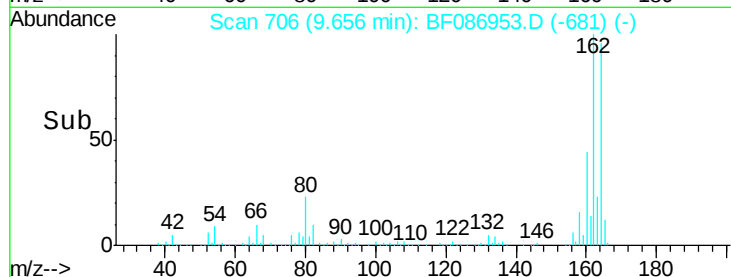
160 46.2 36.9 55.3



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: 11.08 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

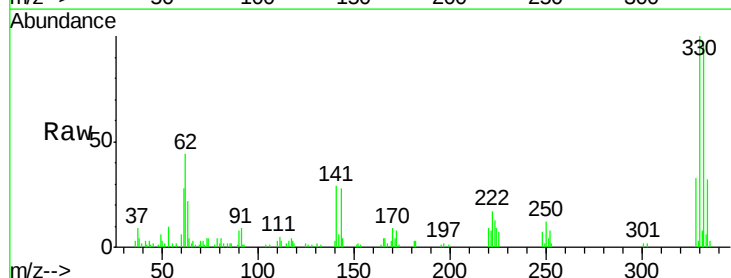
Tgt Ion:330 Resp: 33167

Ion Ratio Lower Upper

330 100

332 94.6 79.0 118.4

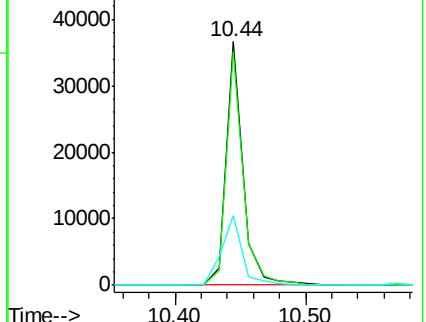
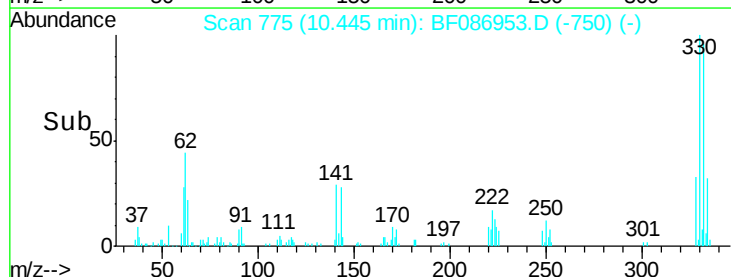
141 35.0 31.2 46.8

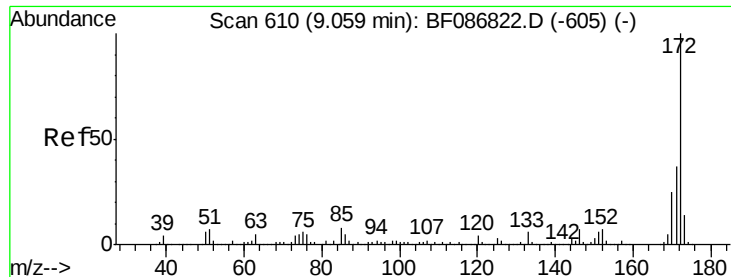


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

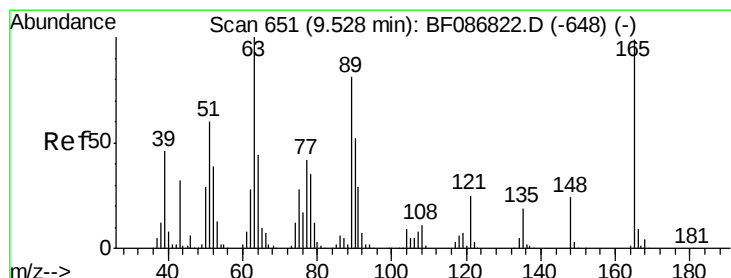
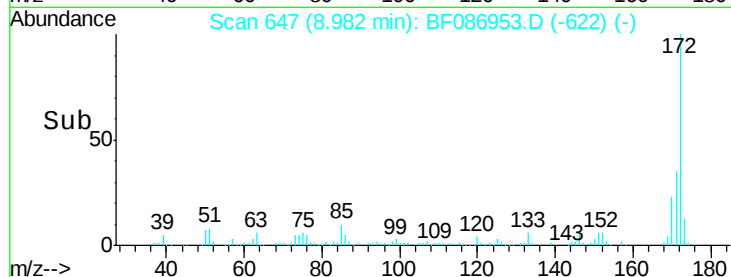
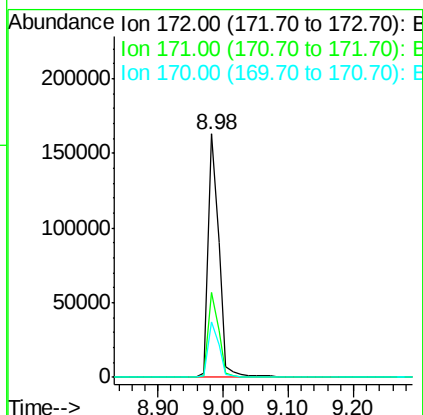
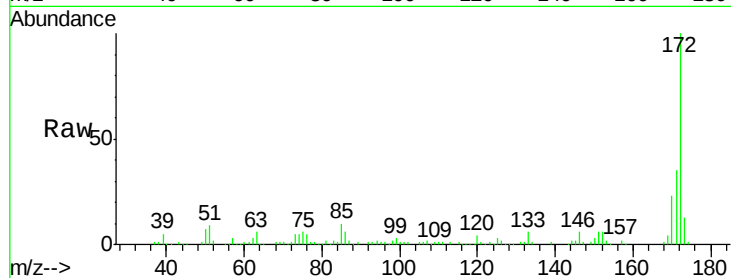




#44
 2-Fluorobiphenyl
 Concen: 11.25 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

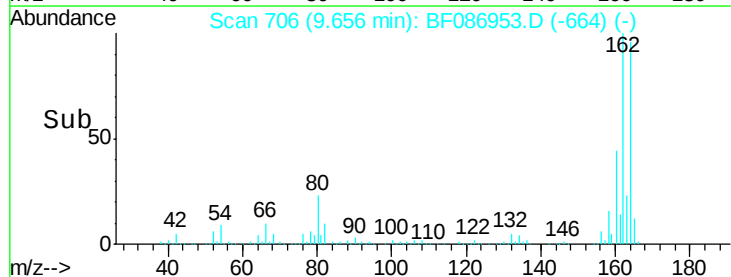
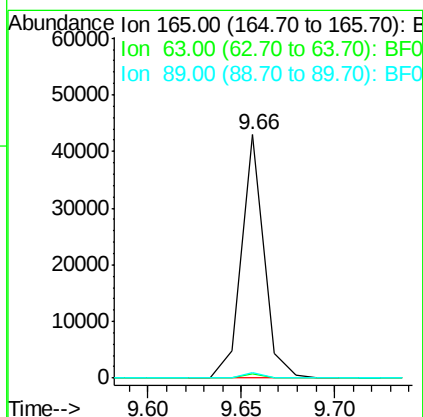
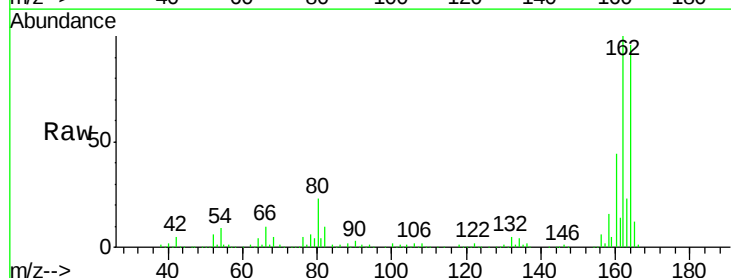
Instrument :
 BNA_F
 ClientSampled :
 TP42-4.5FT

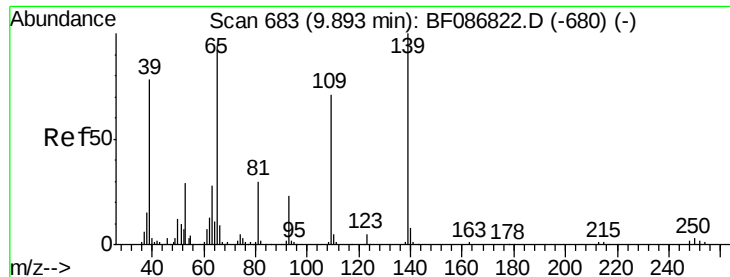
Tgt Ion:172 Resp: 189290
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 23.0 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.96 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.18 min
 Lab File: BF086953.D
 Acq: 13 May 2016 2:15

Tgt Ion:165 Resp: 36121
 Ion Ratio Lower Upper
 165 100
 63 2.0 51.8 77.8#
 89 2.1 50.7 76.1#





#55

4-Nitrophenol

Concen: 4.68 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.03 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

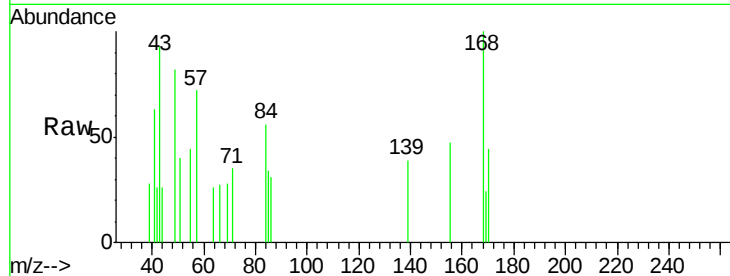
Tgt Ion:139 Resp: 405

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

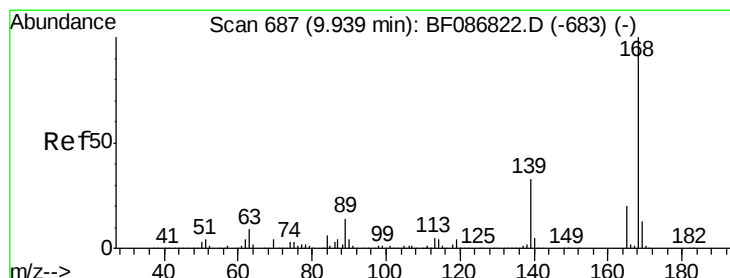
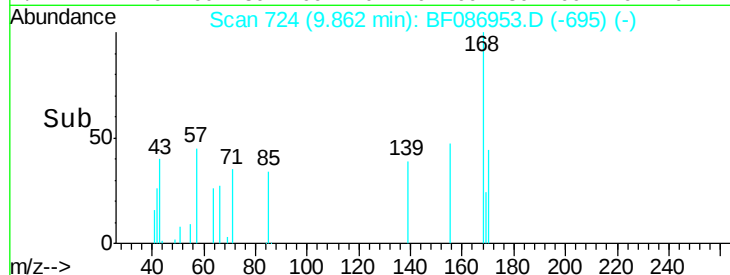
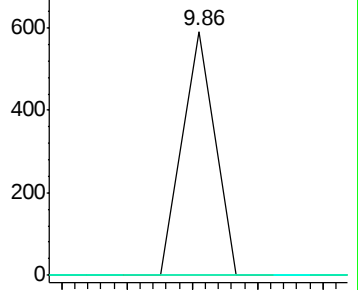
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 6.43 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.22 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Tgt Ion:165 Resp: 36121

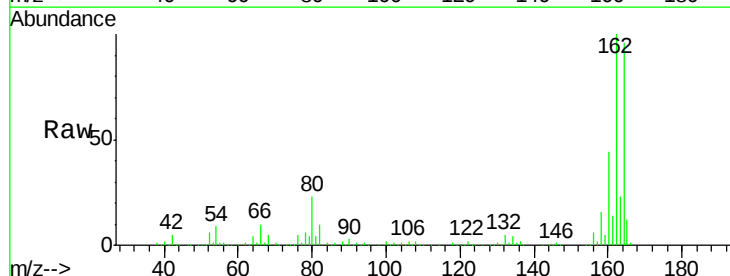
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 2.1 70.0 105.0#

182 0.0 1.8 2.6#

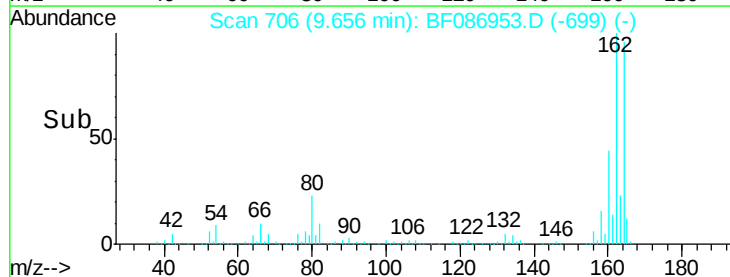
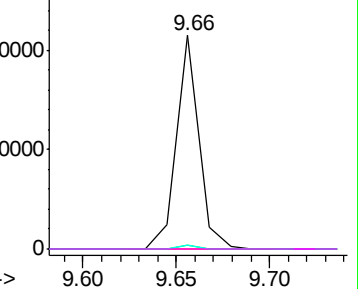


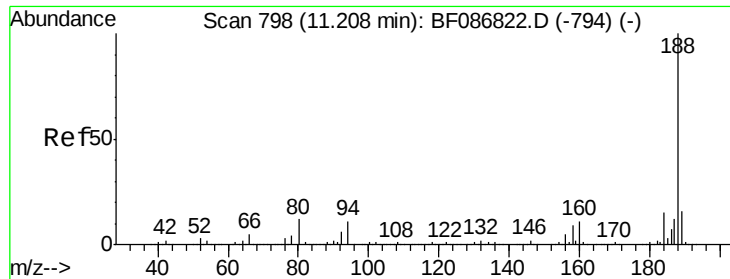
Abundance Ion 165.00 (164.70 to 165.70): E

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

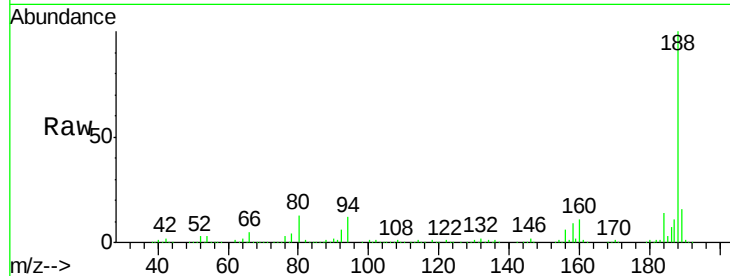




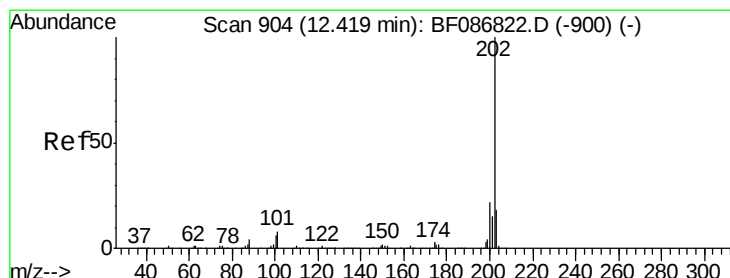
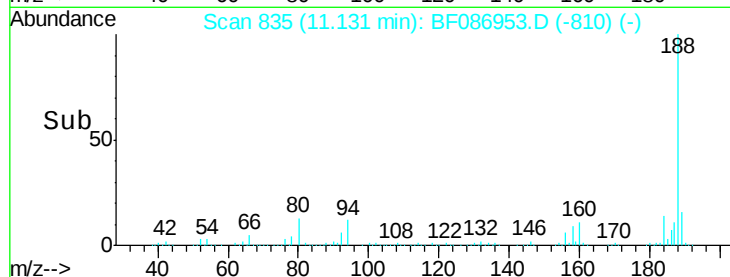
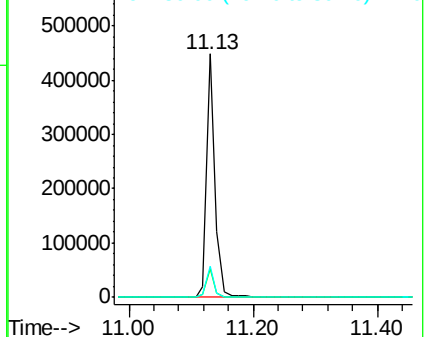
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086953.D
Acq: 13 May 2016 2:15

Instrument :
BNA_F
ClientSampleId :
TP42-4.5FT

Tgt Ion:188 Resp: 421392
Ion Ratio Lower Upper
188 100
94 11.8 6.8 10.2#
80 12.9 7.1 10.7#

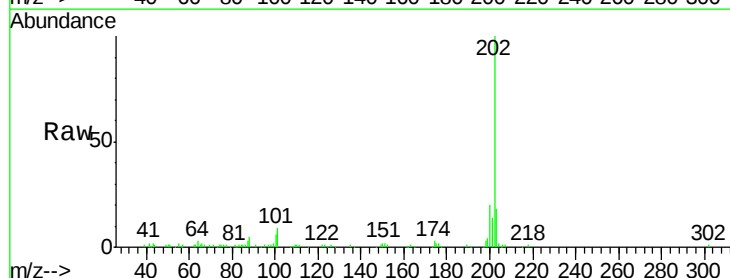


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

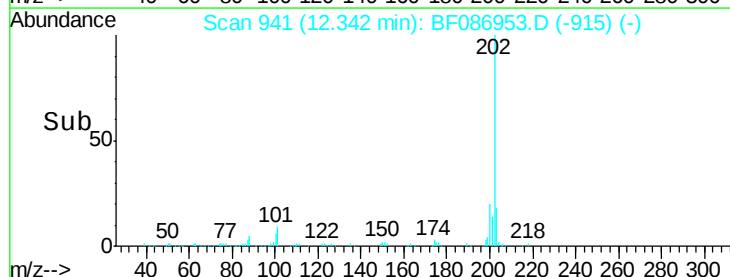
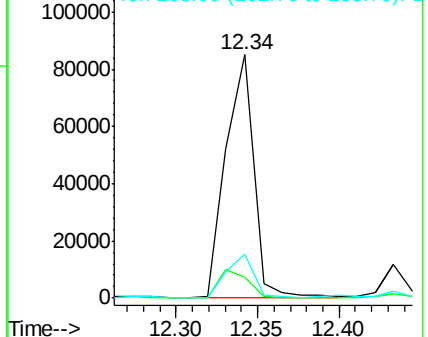


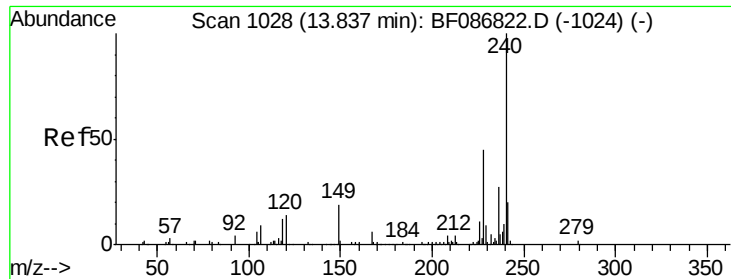
#74
Fluoranthene
Concen: 4.36 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086953.D
Acq: 13 May 2016 2:15

Tgt Ion:202 Resp: 100805
Ion Ratio Lower Upper
202 100
101 8.5 0.0 35.4
203 17.9 0.0 38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

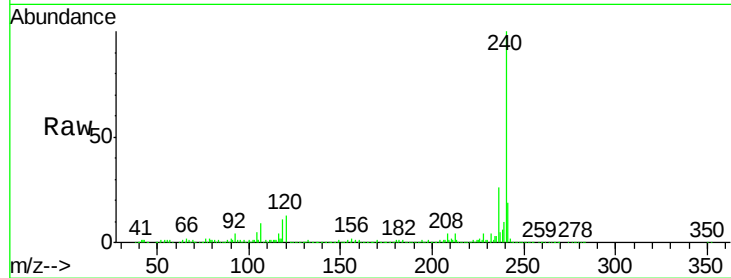
Tgt Ion:240 Resp: 432598

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

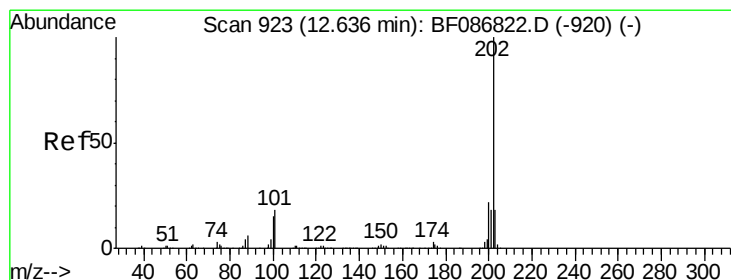
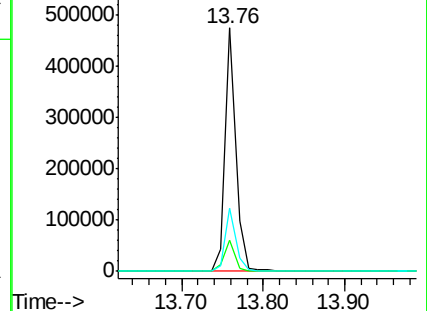
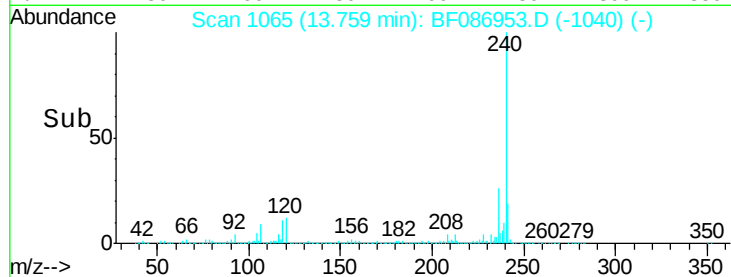
236 25.8 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.54 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

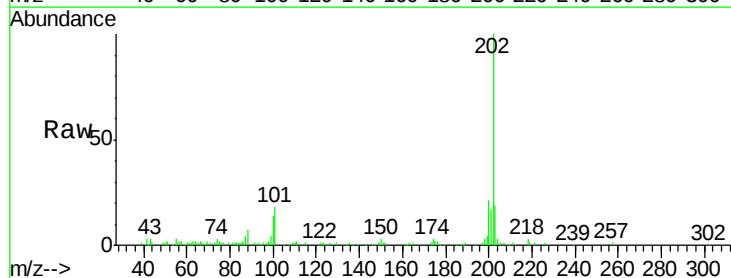
Tgt Ion:202 Resp: 84195

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

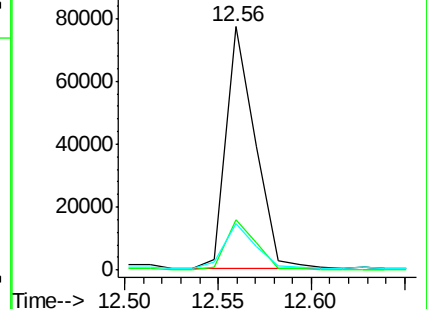
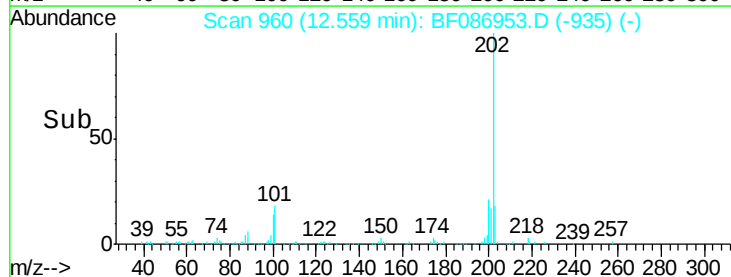
203 18.9 14.2 21.4

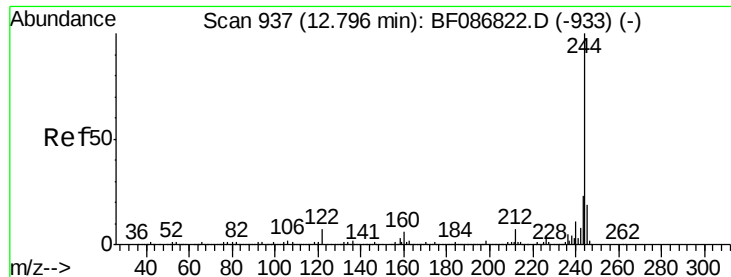


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.52 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

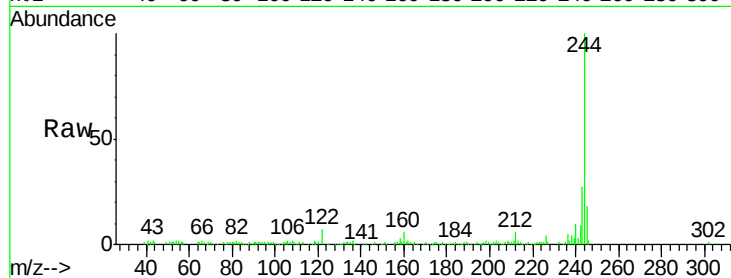
Tgt Ion:244 Resp: 132852

Ion Ratio Lower Upper

244 100

212 6.0 6.2 9.2#

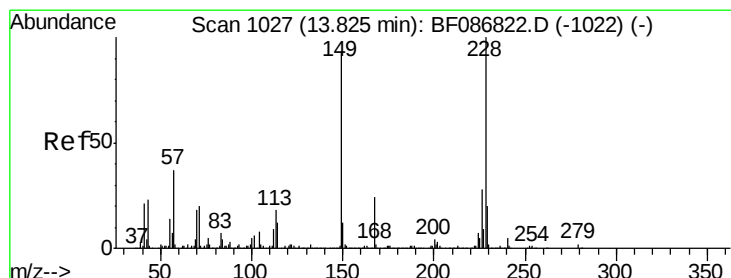
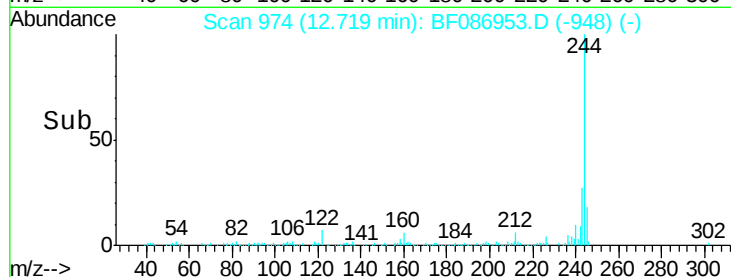
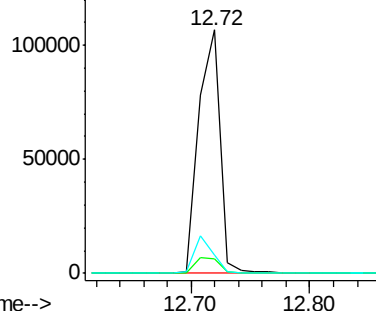
122 7.5 12.0 18.0#



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: 2.68 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

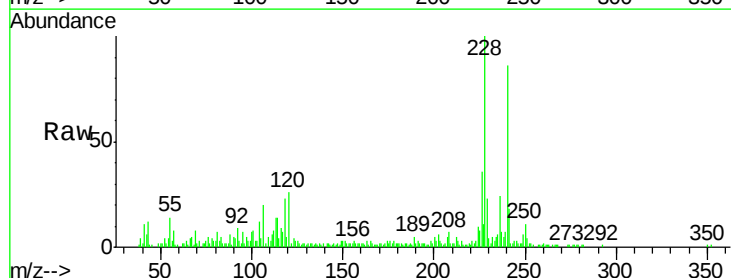
Tgt Ion:228 Resp: 65124

Ion Ratio Lower Upper

228 100

226 35.5 22.5 33.7#

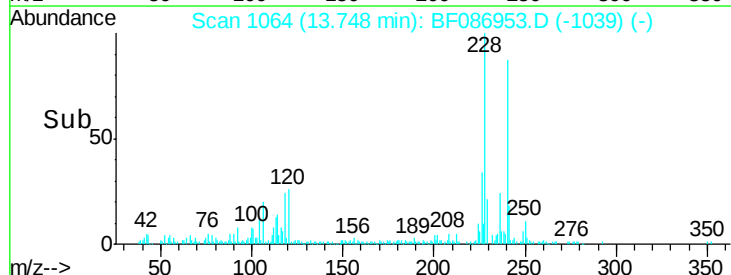
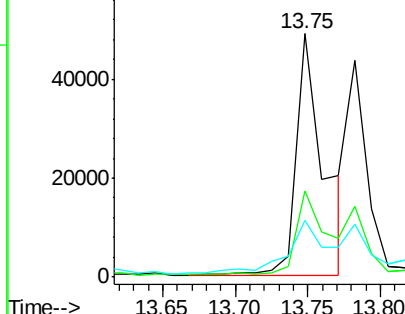
229 23.4 16.6 25.0

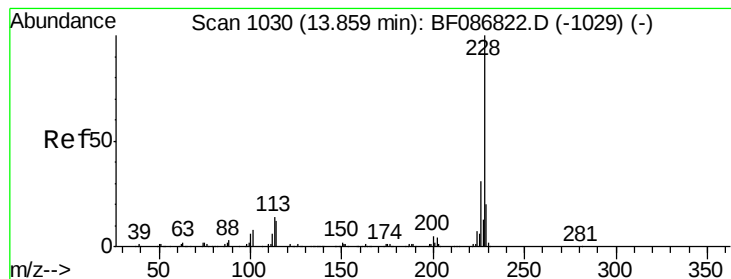


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.64 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

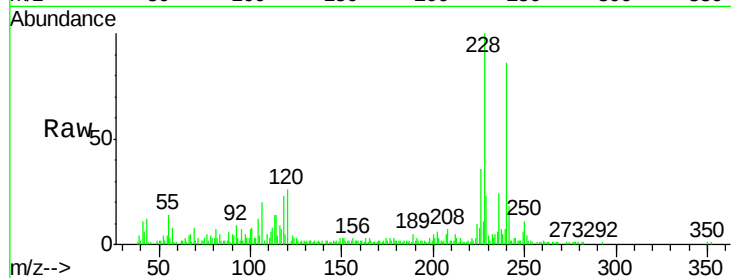
Tgt Ion:228 Resp: 65124

Ion Ratio Lower Upper

228 100

226 35.5 24.4 36.6

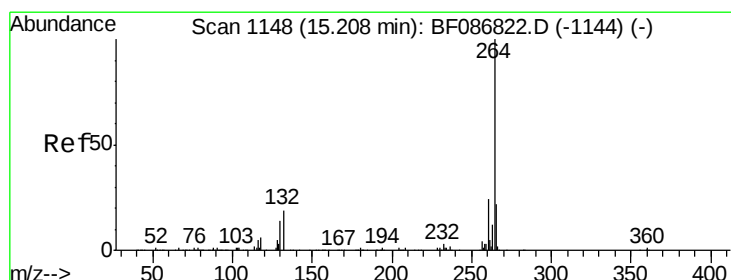
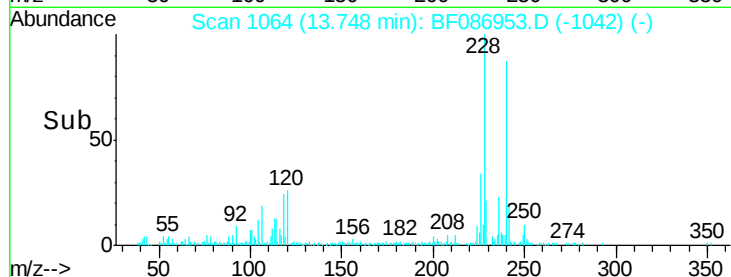
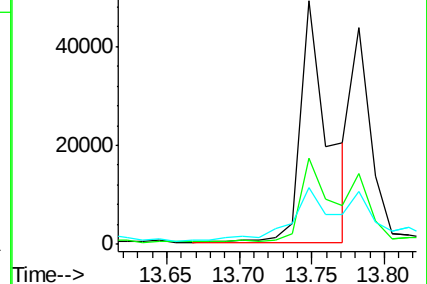
229 23.4 15.8 23.8



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: 15.13 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

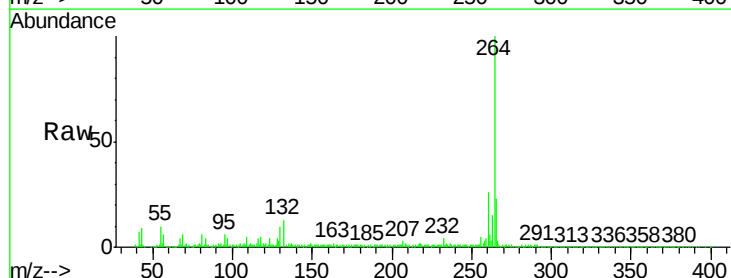
Tgt Ion:264 Resp: 346615

Ion Ratio Lower Upper

264 100

260 25.7 19.5 29.3

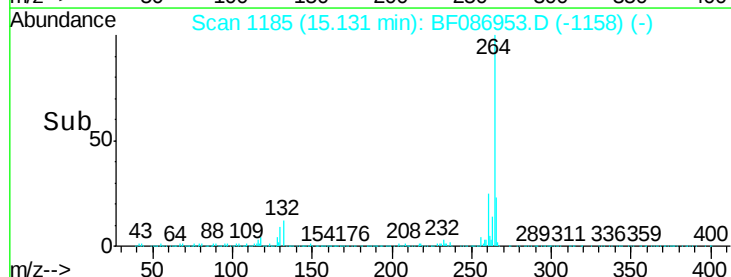
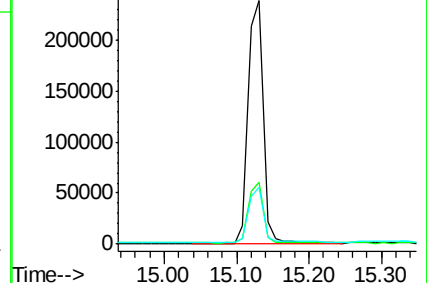
265 23.3 17.3 25.9

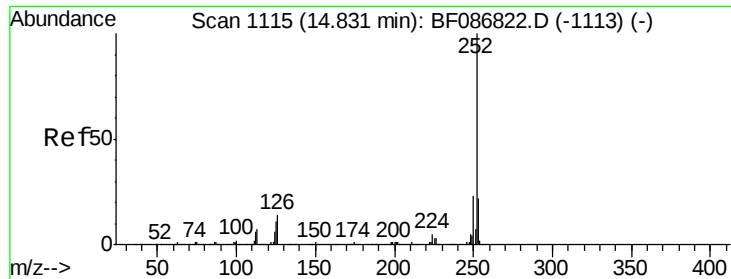


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.44 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

Instrument :

BNA_F

ClientSampleId :

TP42-4.5FT

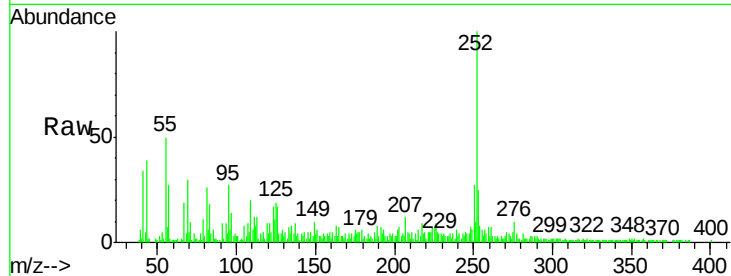
Tgt Ion:252 Resp: 77553

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

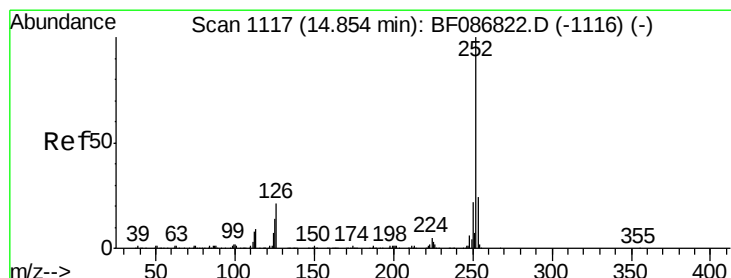
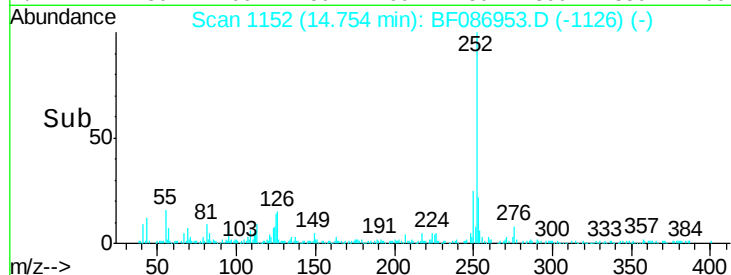
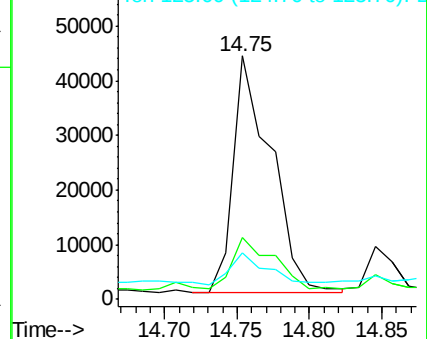
125 19.0 11.4 17.0#



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: 4.20 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF086953.D

Acq: 13 May 2016 2:15

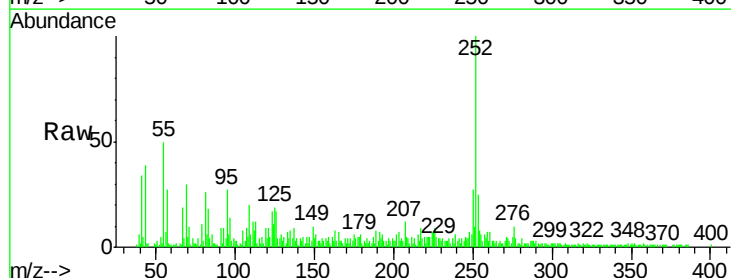
Tgt Ion:252 Resp: 77553

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

125 19.0 9.1 13.7#



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

