

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021417\
 Data File : BF092945.D
 Acq On : 14 Feb 2017 15:47
 Operator : SJ/MA
 Sample : I1792-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 16:22:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

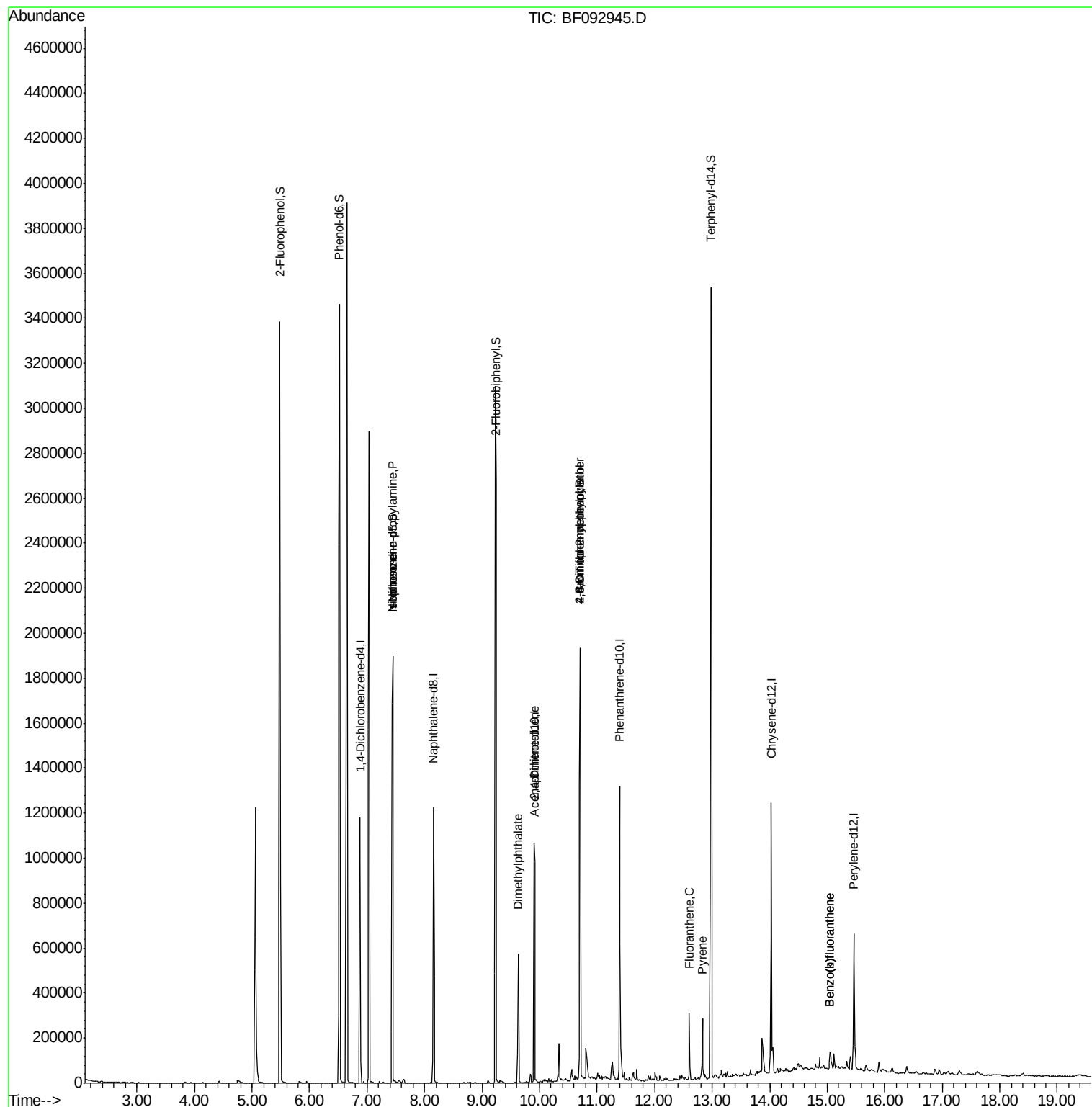
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	163523	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	611997	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	344599	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	537353	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	437786	20.00	ng	-0.02
86) Perylene-d12	15.46	264	308362	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1008818	105.84	ng	0.00
7) Phenol-d6	6.52	99	1493990	121.82	ng	-0.01
23) Nitrobenzene-d5	7.45	82	905798	82.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	281253	112.85	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1512365	79.51	ng	0.00
78) Terphenyl-d14	12.98	244	1167311	62.65	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	116466	14.92	ng	# 75
25) Isophorone	7.45	82	853482	41.68	ng	# 65
49) Dimethylphthalate	9.63	163	235017	10.13	ng	99
56) 2,4-Dinitrotoluene	9.90	165	44043	6.60	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.70	198	843	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	20123	3.58	ng	# 1
74) Fluoranthene	12.60	202	112388	3.54	ng	97
77) Pyrene	12.83	202	105029	3.21	ng	97
87) Benzo(b)fluoranthene	15.05	252	52061	2.57	ng	95
88) Benzo(k)fluoranthene	15.05	252	52061	2.97	ng	# 94

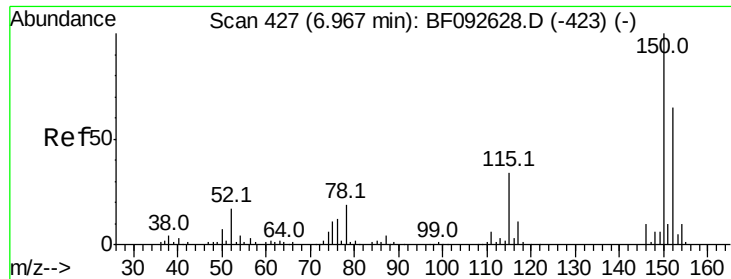
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampled :

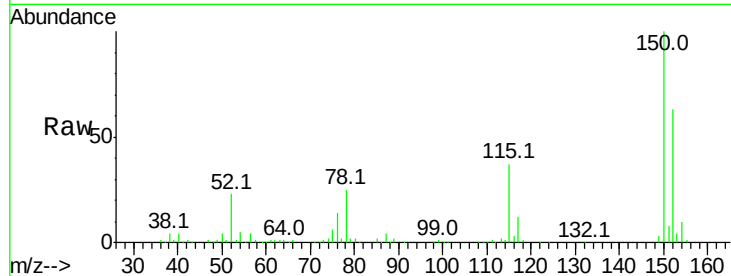
Tot Ion:152 Resp: 163523

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

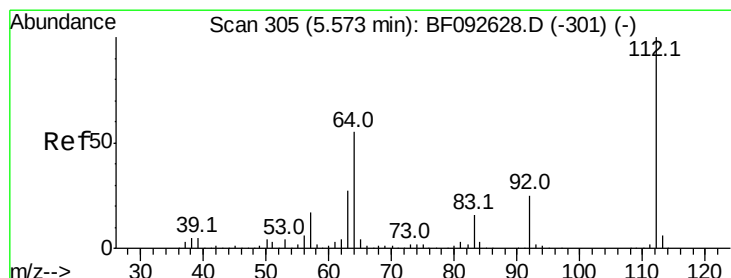
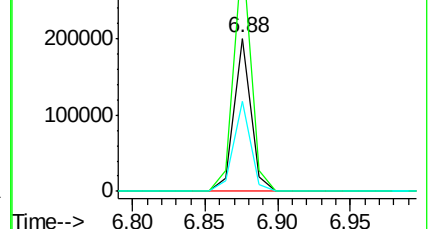
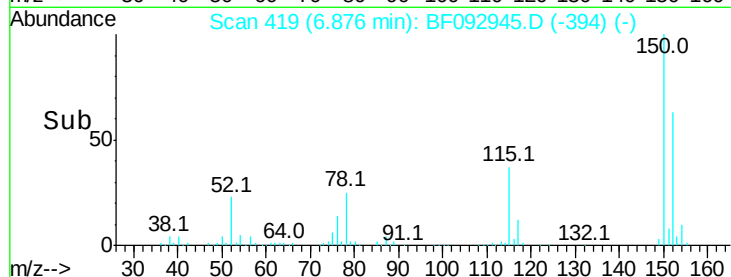
115 59.2 46.0 69.0



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: 105.84 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

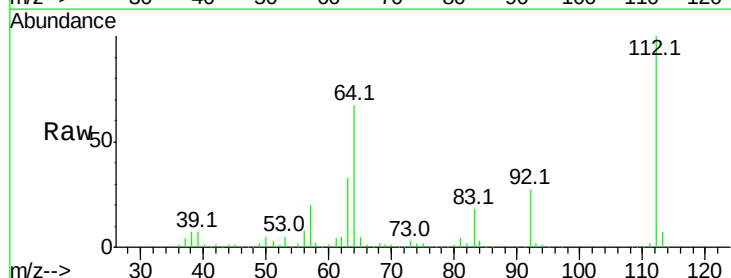
Tgt Ion:112 Resp: 1008818

Ion Ratio Lower Upper

112 100

64 67.2 46.1 69.1

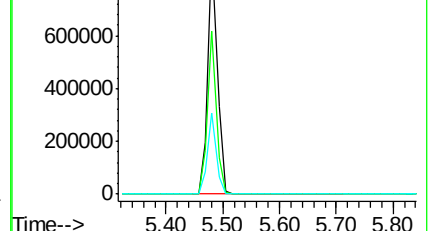
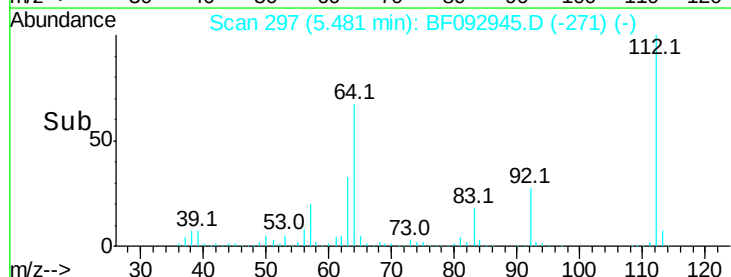
63 33.4 23.8 35.6

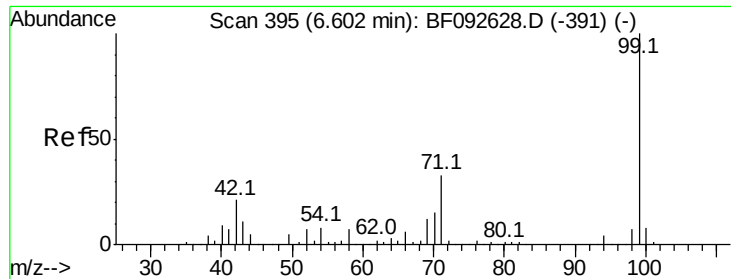


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.82 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampleId :

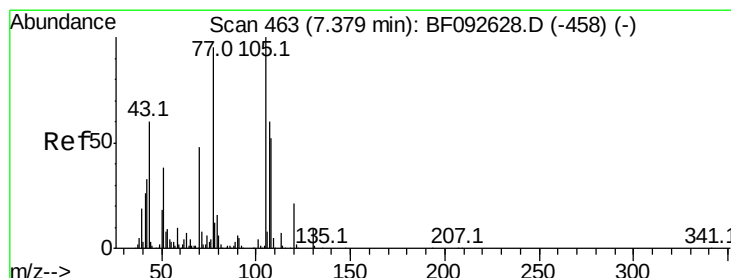
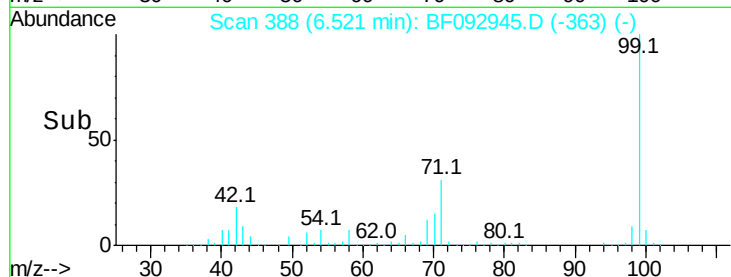
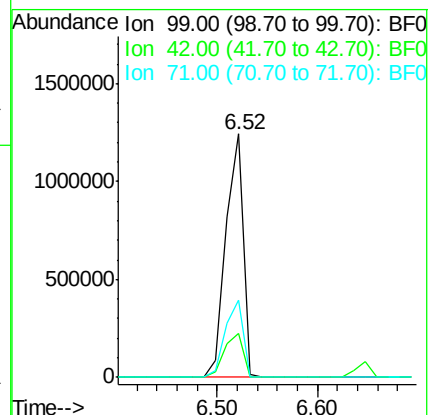
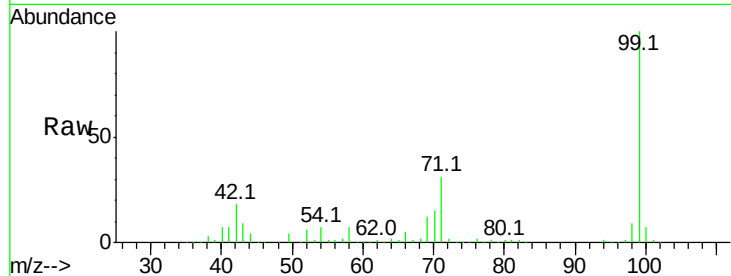
Tot Ion: 99 Resp: 1493990

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

71 31.5 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.92 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Tgt Ion: 70 Resp: 116466

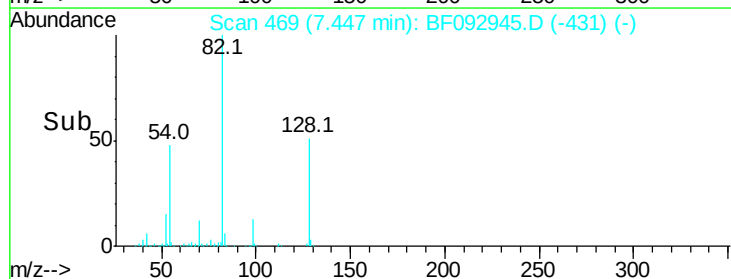
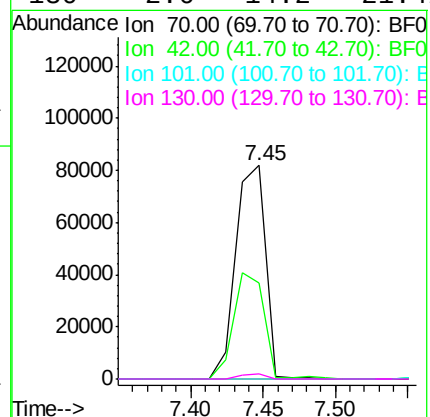
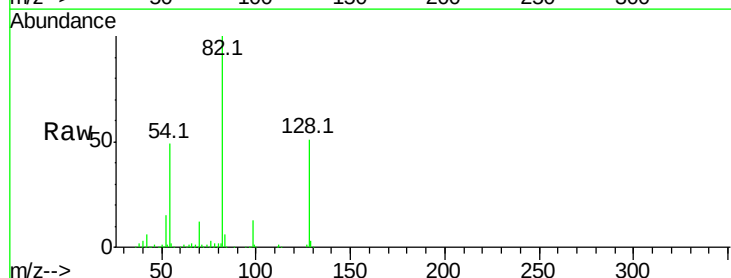
Ion Ratio Lower Upper

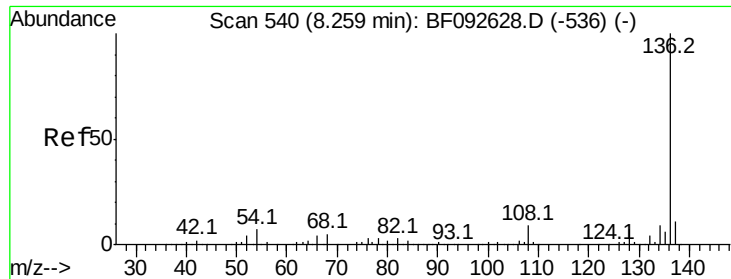
70 100

42 44.7 49.4 74.0#

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#

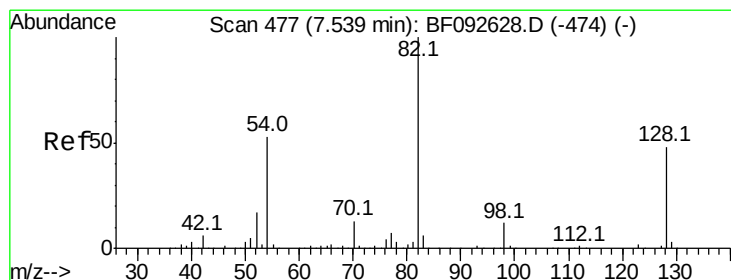
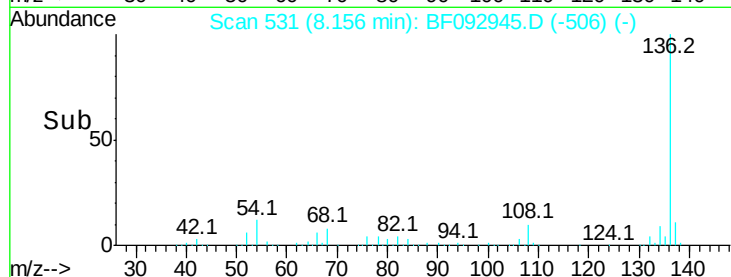
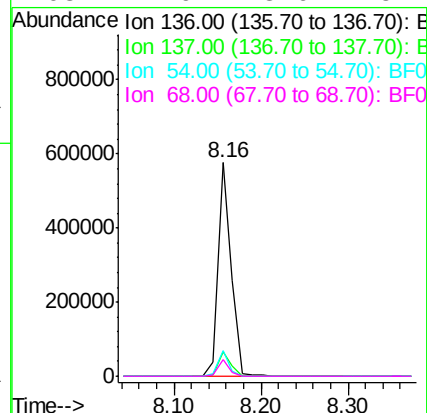
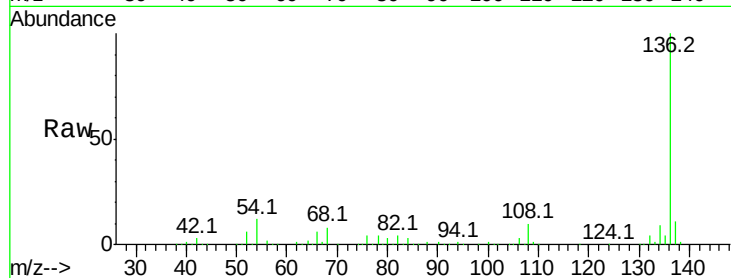




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092945.D
Acq: 14 Feb 2017 15:47

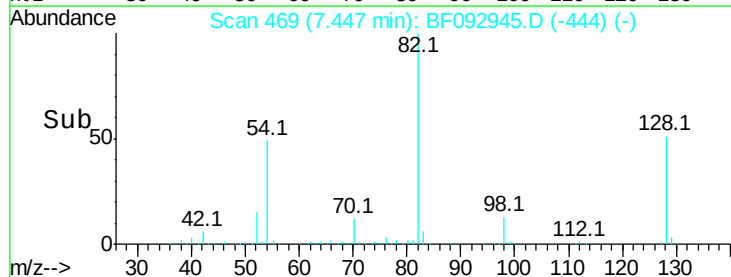
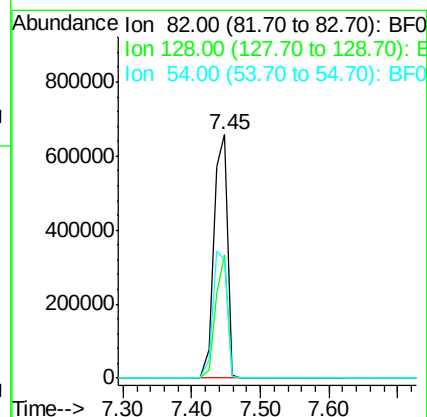
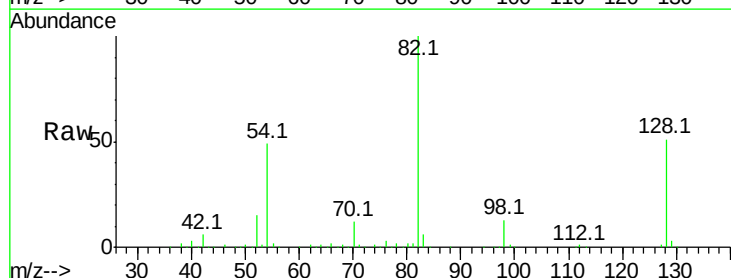
Instrument :
BNA_F
ClientSampleId :

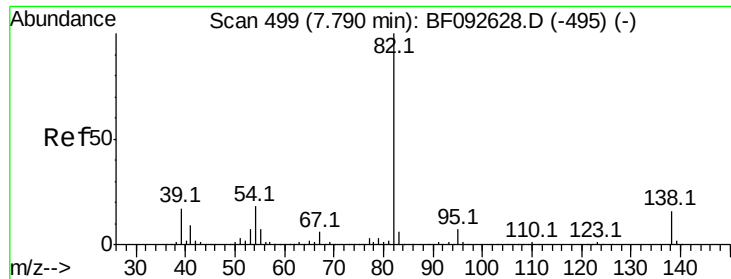
Tot Ion:	136	Resp:	611997
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	11.8	4.5	6.7#
68	7.9	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 82.42 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092945.D
Acq: 14 Feb 2017 15:47

Tgt Ion:	82	Resp:	905798
Ion	Ratio	Lower	Upper
82	100		
128	50.9	34.6	52.0
54	48.6	39.5	59.3





#25

Isophorone

Concen: 41.68 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.26 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampled :

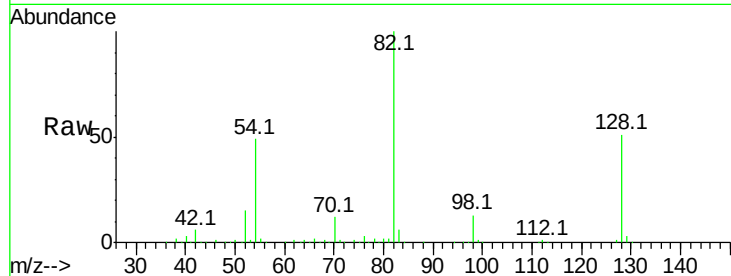
Tot Ion: 82 Resp: 853482

Ion Ratio Lower Upper

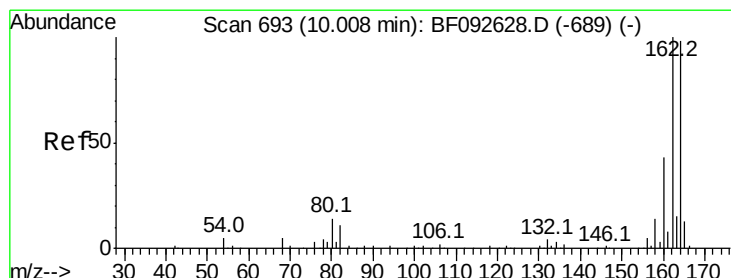
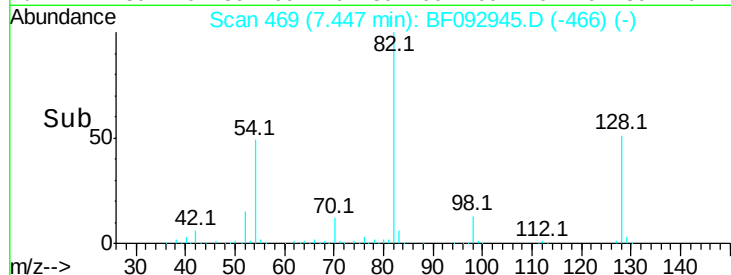
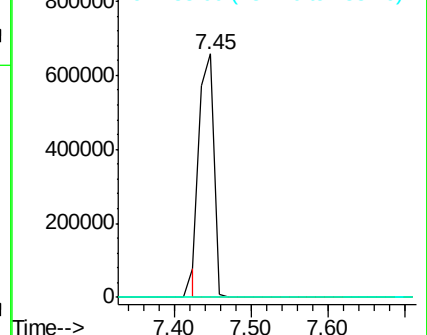
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

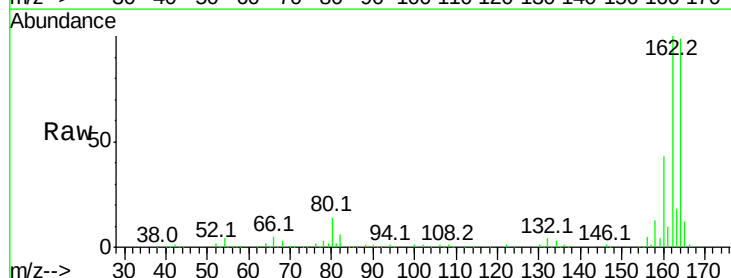
Tgt Ion:164 Resp: 344599

Ion Ratio Lower Upper

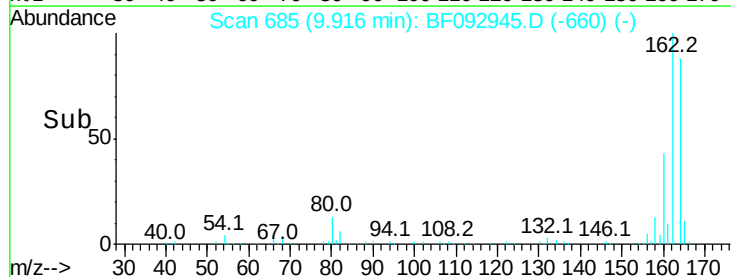
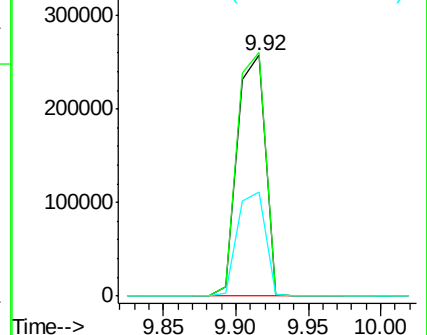
164 100

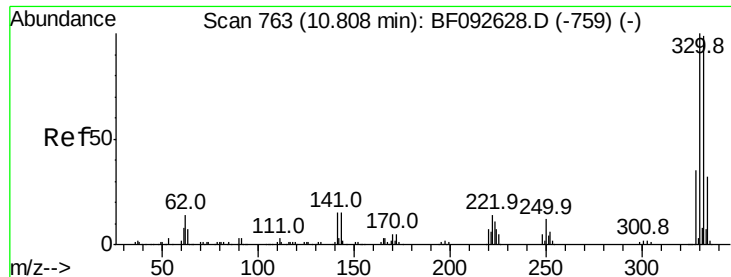
162 101.1 80.2 120.2

160 43.4 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

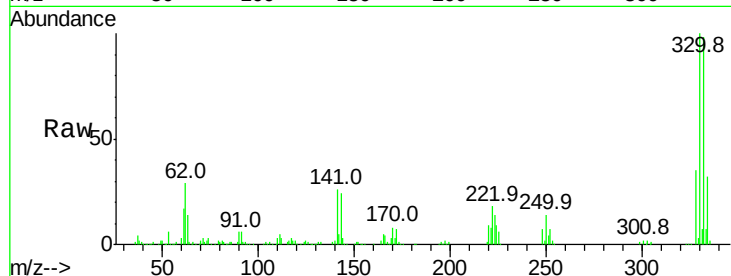




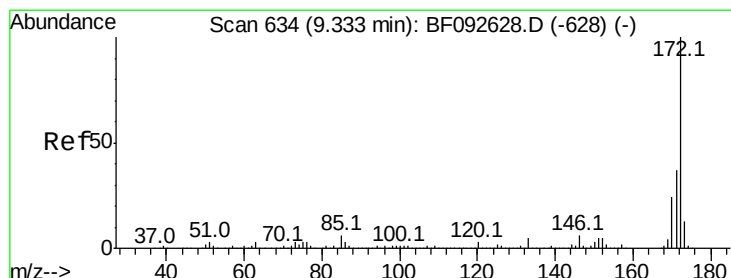
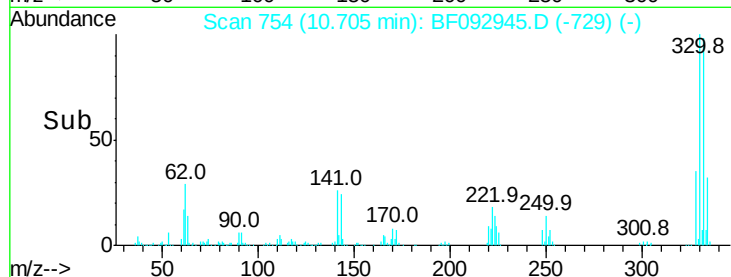
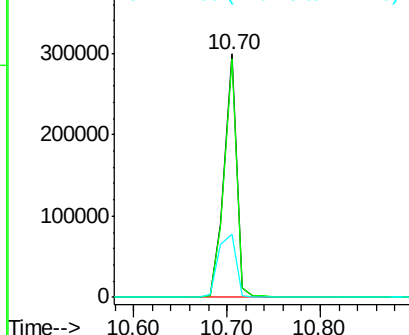
#41
 2,4,6-Tribromophenol
 Concen: 112.85 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092945.D
 Acq: 14 Feb 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	36.8	34.1	51.1

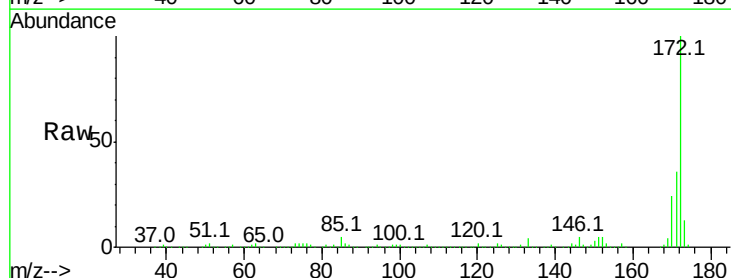


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

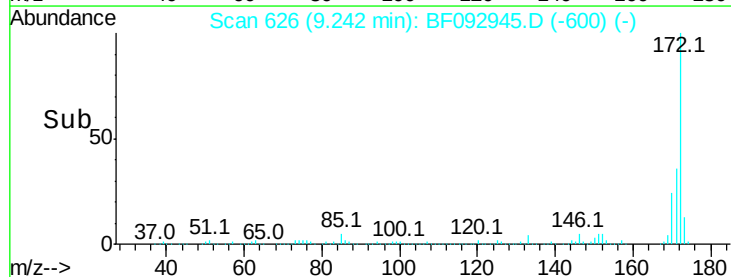
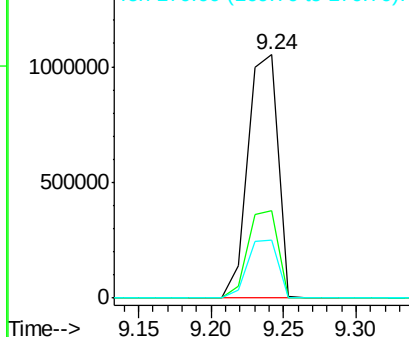


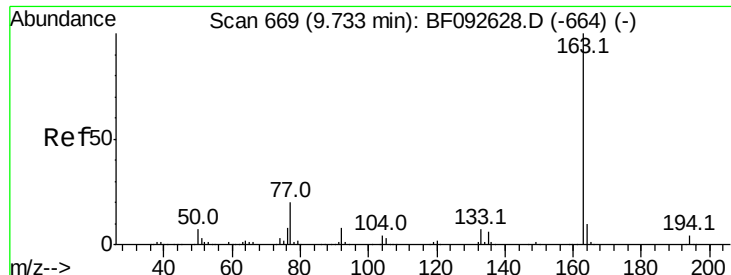
#44
 2-Fluorobiphenyl
 Concen: 79.51 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF092945.D
 Acq: 14 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.7	20.2	30.4



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: 10.13 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampleId :

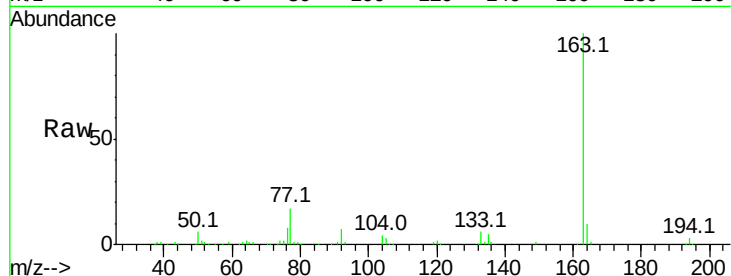
Tot Ion:163 Resp: 235017

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

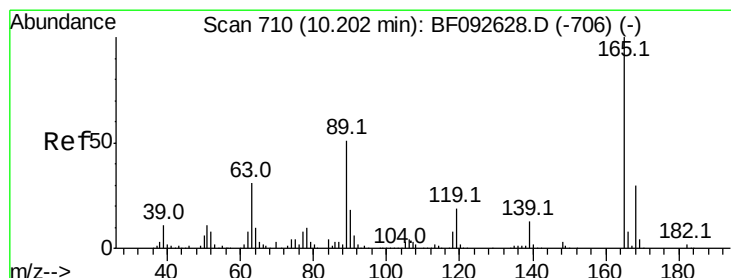
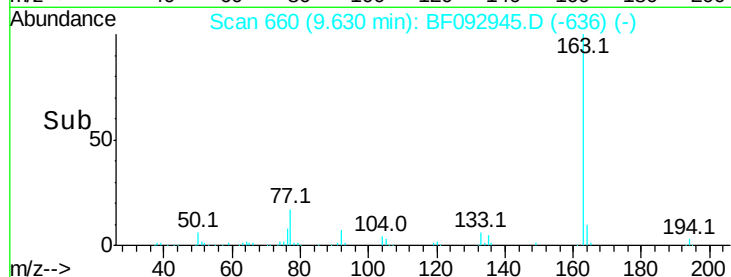
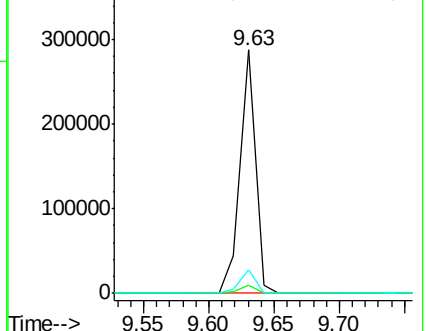
164 9.7 8.0 12.0



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: 6.60 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.22 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Tgt Ion:165 Resp: 44043

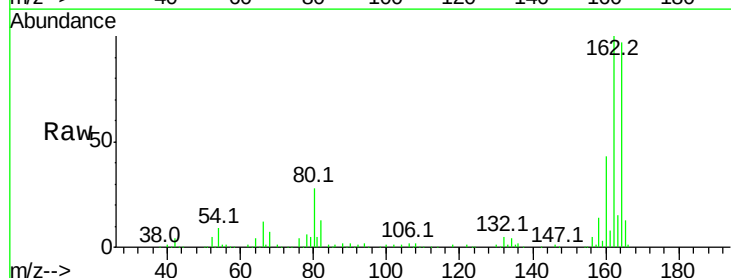
Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

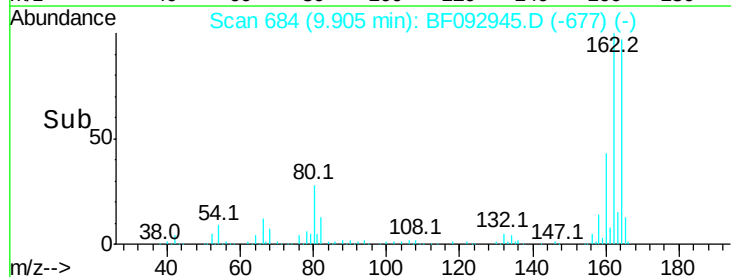
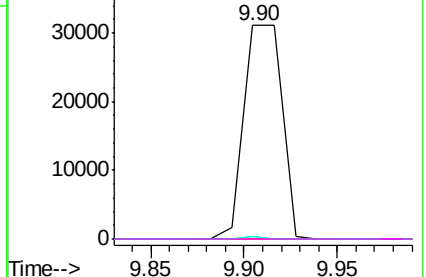


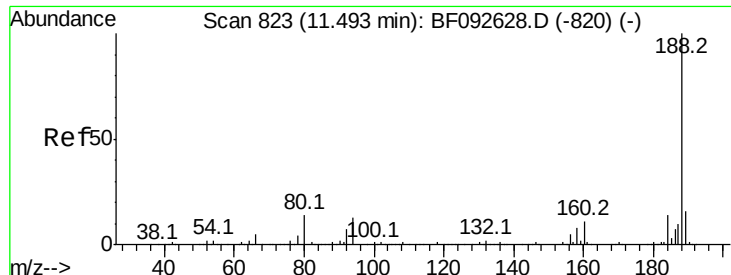
Abundance Ion 165.00 (164.70 to 165.70): E

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

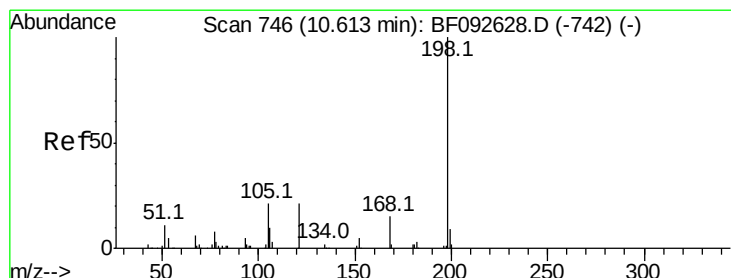
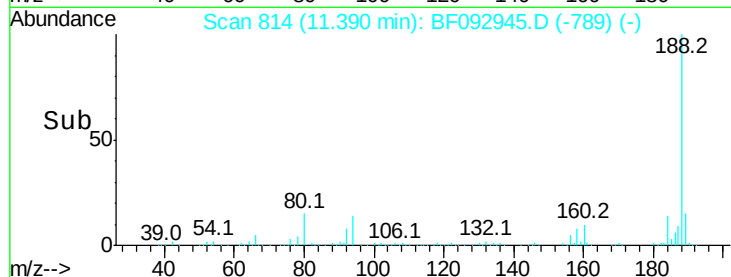
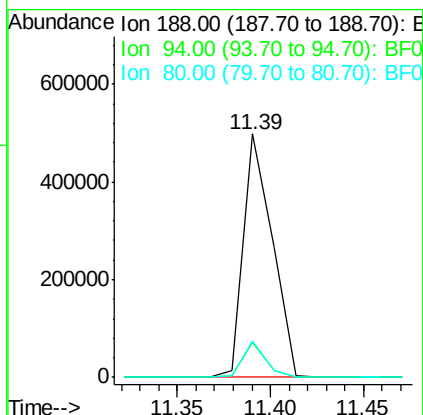
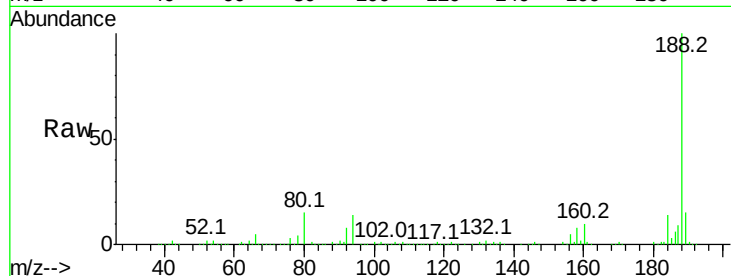




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092945.D
 Acq: 14 Feb 2017 15:47

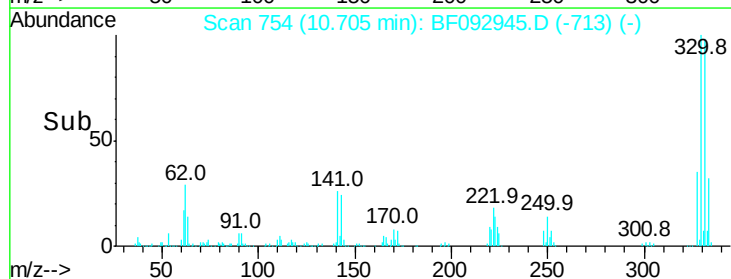
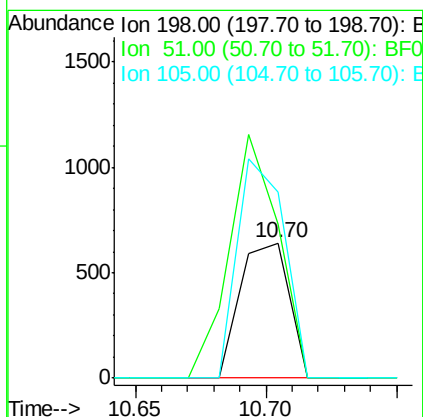
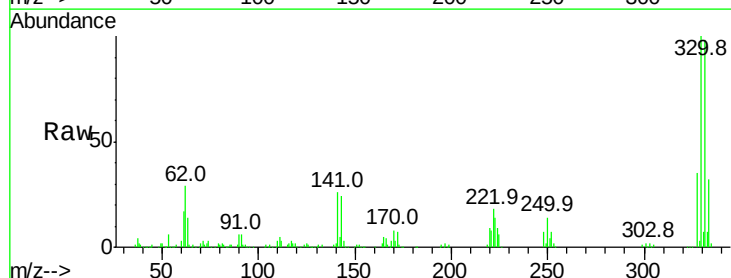
Instrument :
 BNA_F
 ClientSampleId :

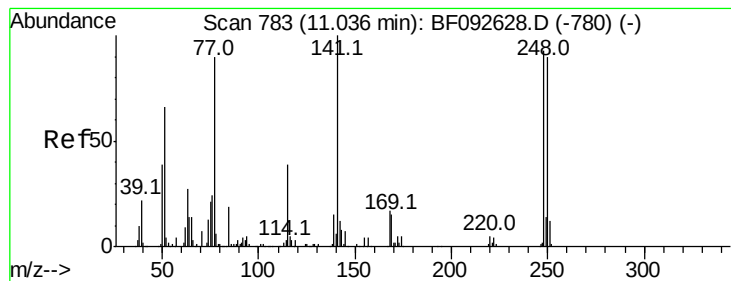
Tot Ion:188 Resp: 537353
 Ion Ratio Lower Upper
 188 100
 94 14.2 10.0 15.0
 80 15.1 11.2 16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.91 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.17 min
 Lab File: BF092945.D
 Acq: 14 Feb 2017 15:47

Tgt Ion:198 Resp: 843
 Ion Ratio Lower Upper
 198 100
 51 114.2 6.7 46.7#
 105 138.0 16.6 56.6#





#66

4-Bromophenyl-phenylether

Concen: 3.58 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampleId :

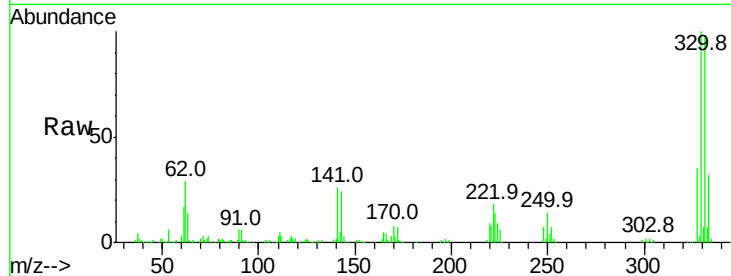
Tot Ion:248 Resp: 20123

Ion Ratio Lower Upper

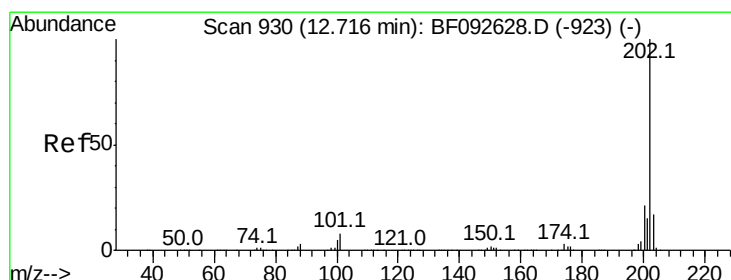
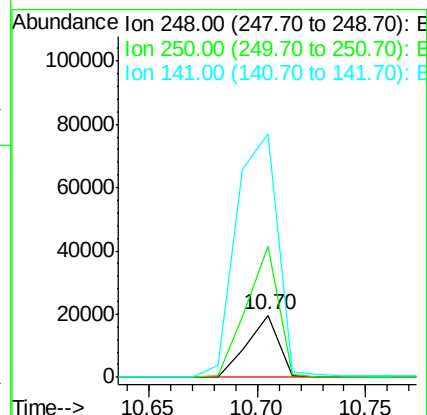
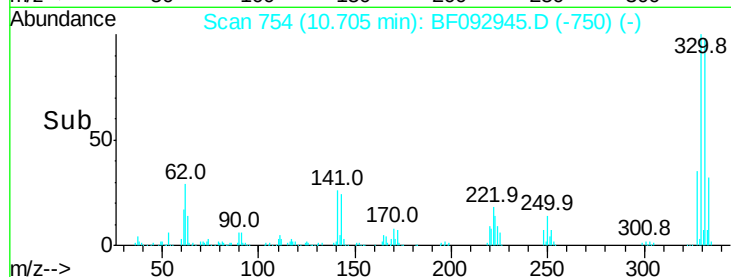
248 100

250 209.6 76.9 115.3#

141 390.7 68.2 102.4#



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: 3.54 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

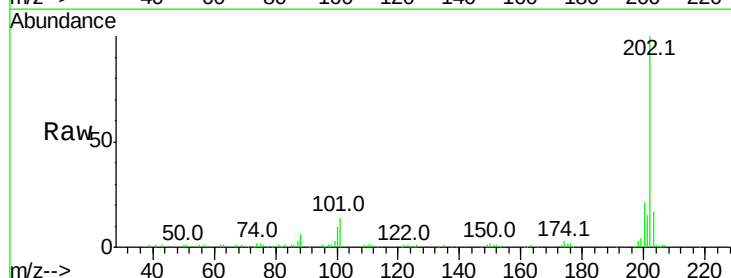
Tgt Ion:202 Resp: 112388

Ion Ratio Lower Upper

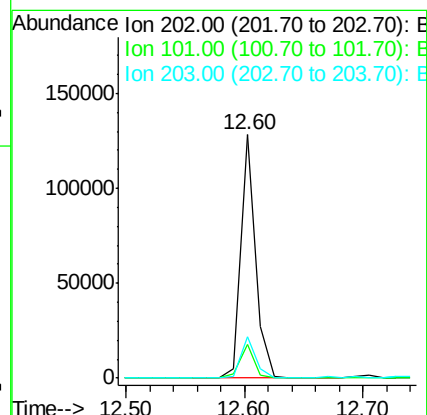
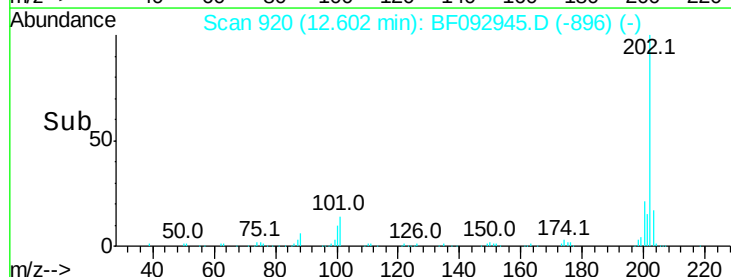
202 100

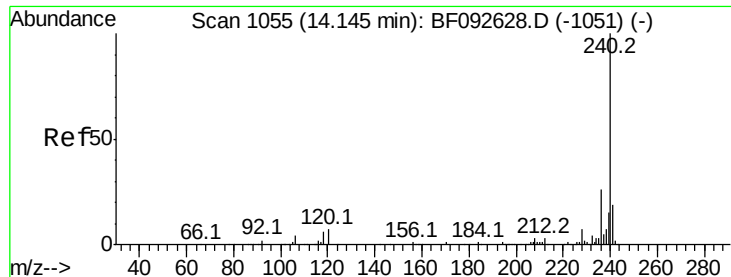
101 13.7 0.0 34.6

203 17.2 0.0 38.7



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: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampleId :

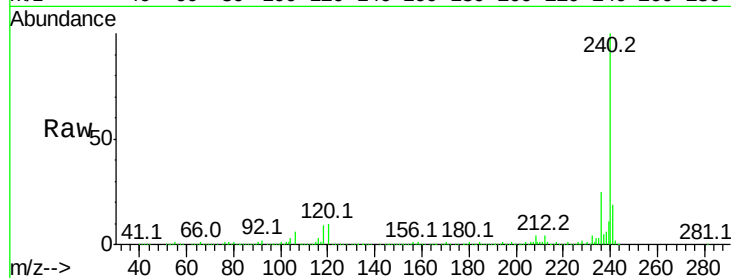
Tot Ion:240 Resp: 437786

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

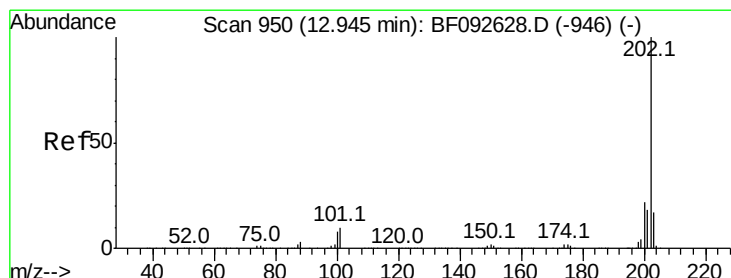
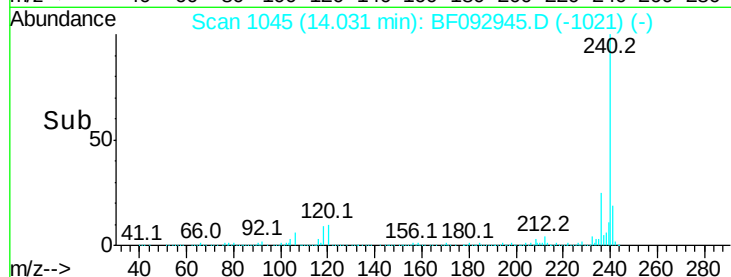
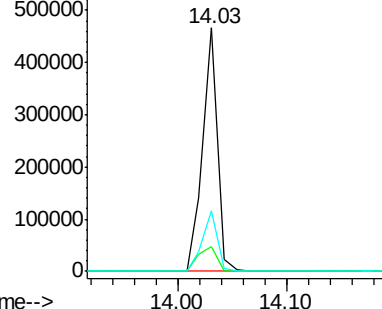
236 25.1 20.9 31.3



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: 3.21 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

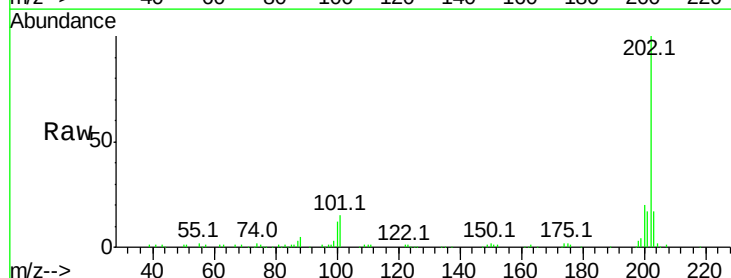
Tgt Ion:202 Resp: 105029

Ion Ratio Lower Upper

202 100

200 20.2 17.7 26.5

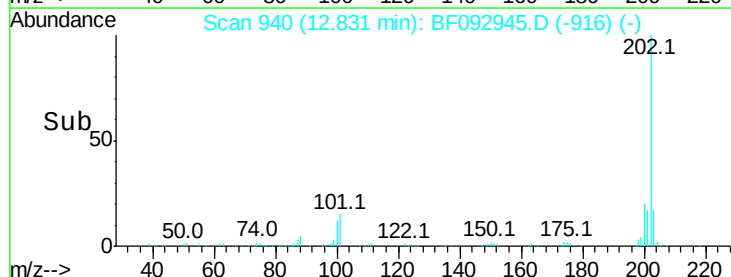
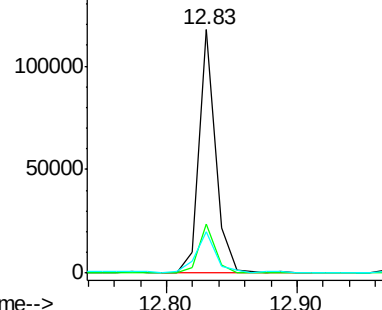
203 17.1 14.7 22.1

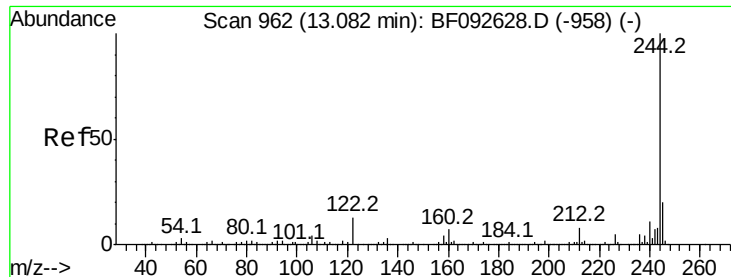


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.65 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

Instrument :

BNA_F

ClientSampleId :

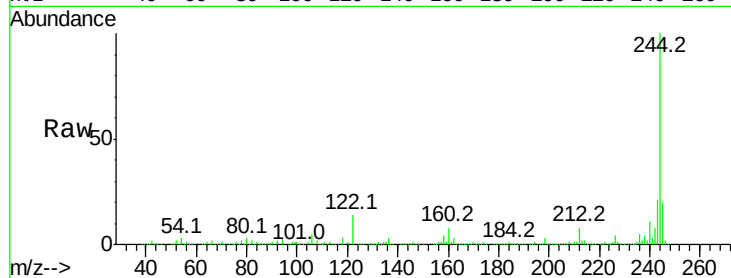
Tot Ion:244 Resp: 1167311

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

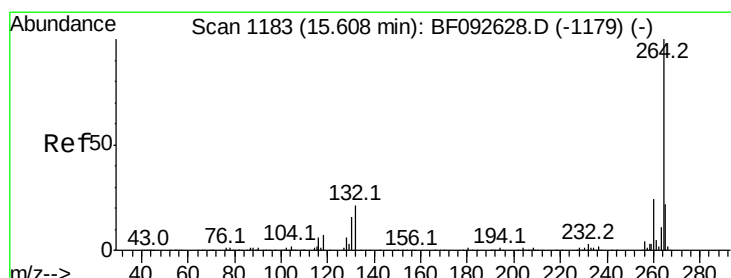
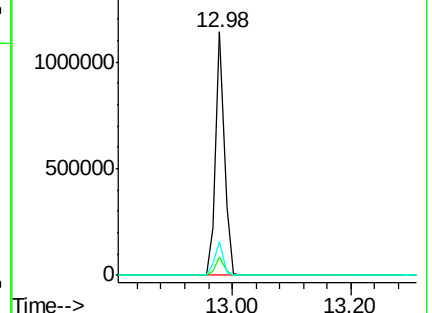
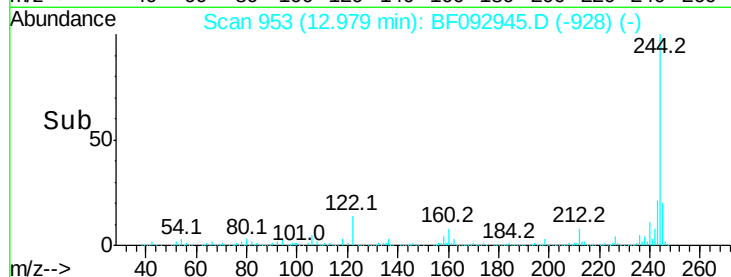
122 14.0 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF092945.D

Acq: 14 Feb 2017 15:47

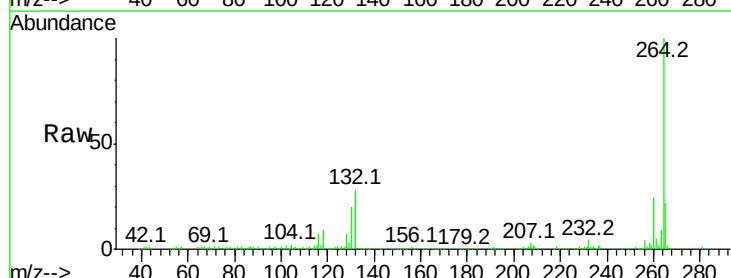
Tgt Ion:264 Resp: 308362

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

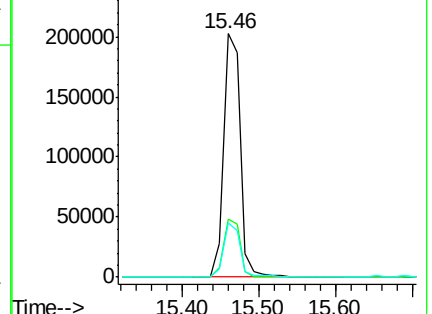
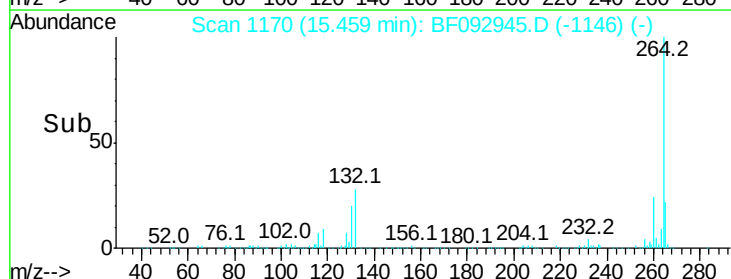
265 22.1 17.4 26.0

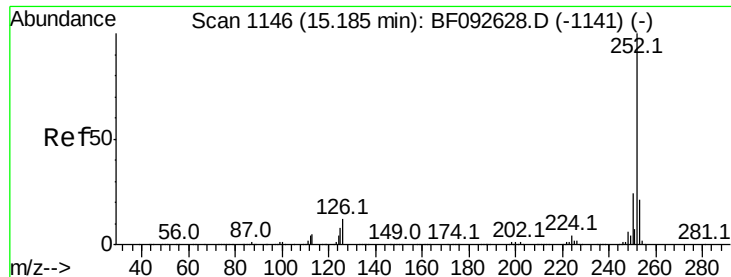


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

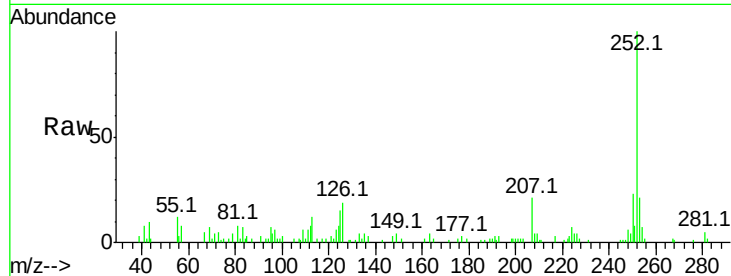




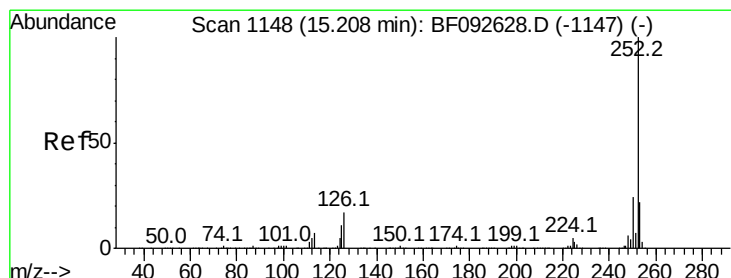
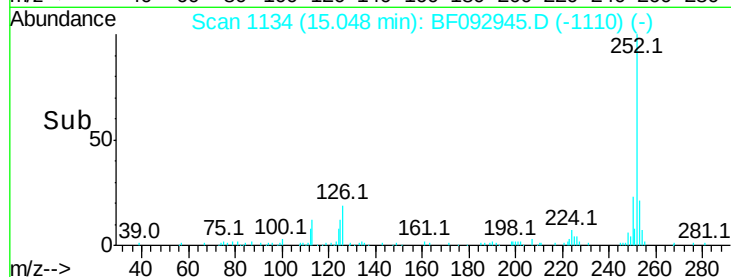
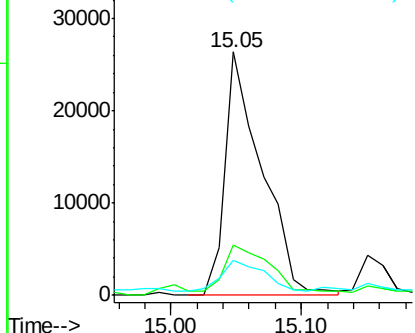
#87
Benzo(b)fluoranthene
Concen: 2.57 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092945.D
Acq: 14 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 52061
Ion Ratio Lower Upper
252 100
253 20.7 18.2 27.4
125 14.5 9.8 14.6

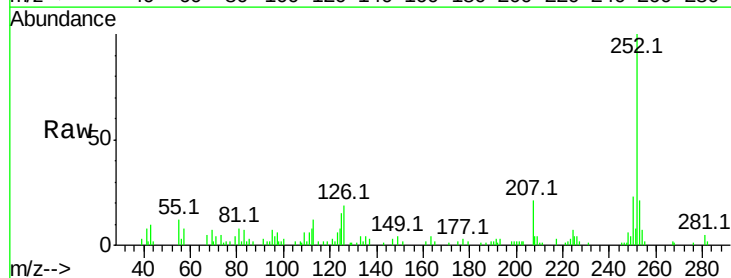


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.97 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF092945.D
Acq: 14 Feb 2017 15:47

Tgt Ion:252 Resp: 52061
Ion Ratio Lower Upper
252 100
253 20.7 18.5 27.7
125 14.5 8.9 13.3#



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

