

Data Path : Z:\HPCHEM1\BNA_F\Data\BF101915\
 Data File : BF082397.D
 Acq On : 20 Oct 2015 12:12
 Operator : UM/IZ
 Sample : G4040-05RE
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03RE

Quant Time: Oct 20 14:13:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

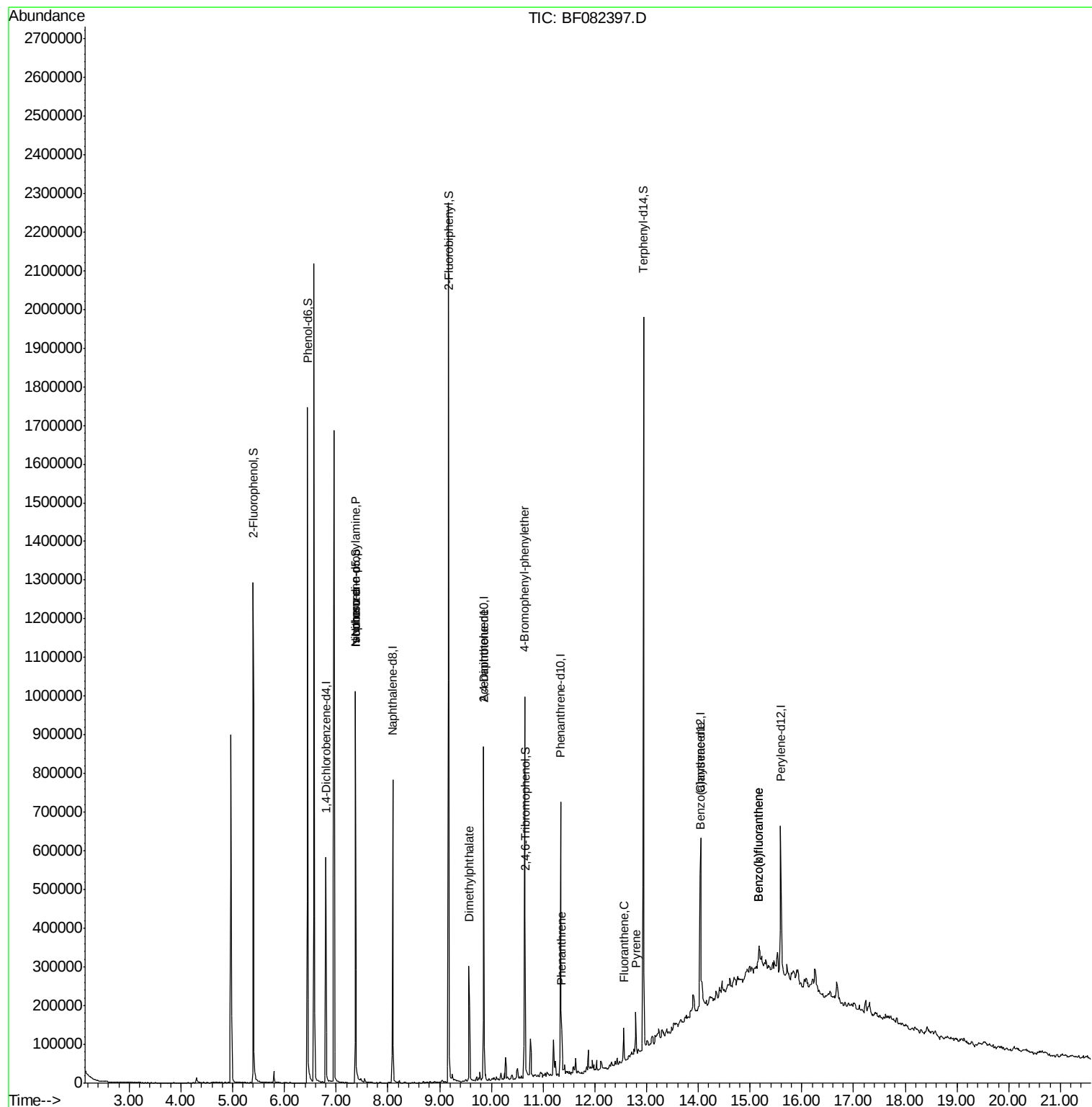
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	92881	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	355426	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	170640	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	276656	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	214786	20.00	ng	0.03
86) Perylene-d12	15.59	264	196429	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	503356	109.37	ng	-0.03
7) Phenol-d6	6.45	99	646996	108.03	ng	-0.03
23) Nitrobenzene-d5	7.37	82	375487	70.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	127184	79.48	ng	-0.02
44) 2-Fluorobiphenyl	9.18	172	866229	84.18	ng	-0.03
78) Terphenyl-d14	12.94	244	593281	73.20	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	48220	11.47	ng	# 81
25) Isophorone	7.37	82	336269	31.48	ng	# 66
49) Dimethylphthalate	9.57	163	172437	14.35	ng	99
55) 4-Nitrophenol	10.06	139	501	Below Cal	#	42
56) 2,4-Dinitrotoluene	9.85	165	22357	7.06	ng	# 21
66) 4-Bromophenyl-phenylether	10.64	248	9451	3.41	ng	# 1
70) Phenanthrene	11.36	178	41124	3.03	ng	98
74) Fluoranthene	12.56	202	49704	3.41	ng	97
77) Pyrene	12.79	202	52885	4.15	ng	97
80) Benzo(a)anthracene	14.04	228	30885	2.76	ng	94
87) Benzo(b)fluoranthene	15.17	252	37914	3.17	ng	# 79
88) Benzo(k)fluoranthene	15.17	252	37914	3.77	ng	# 78

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

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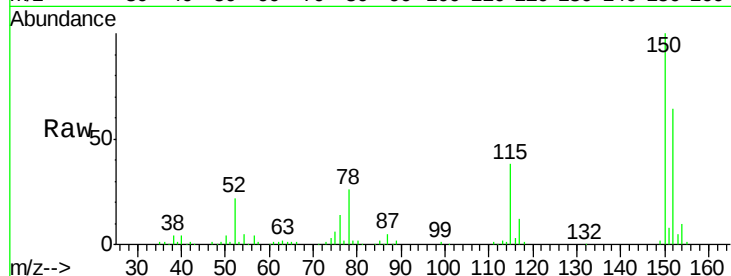




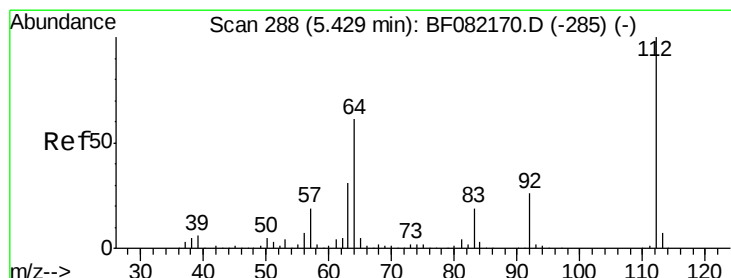
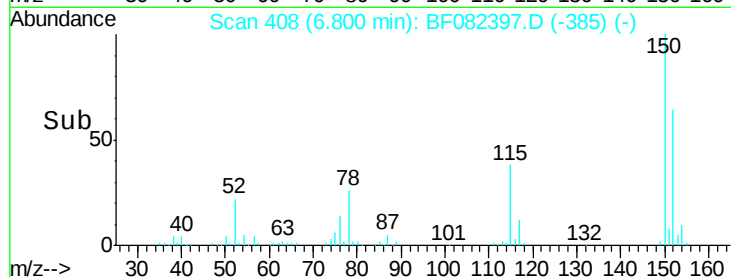
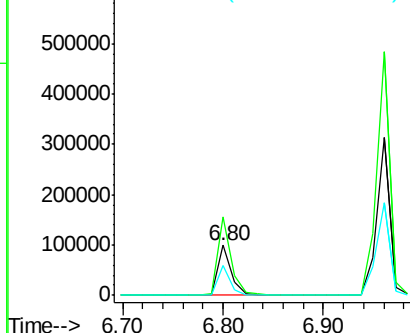
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03RE

Tgt Ion:152 Resp: 92881
 Ion Ratio Lower Upper
 152 100
 150 157.2 129.0 193.4
 115 60.5 52.1 78.1

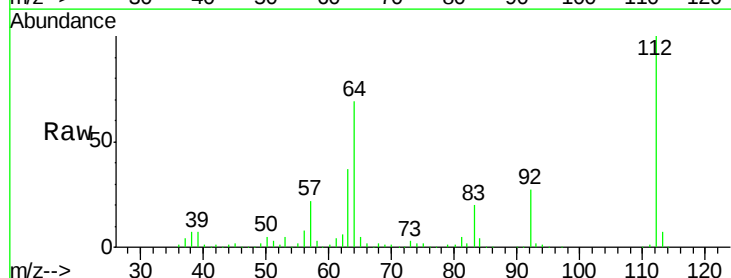


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

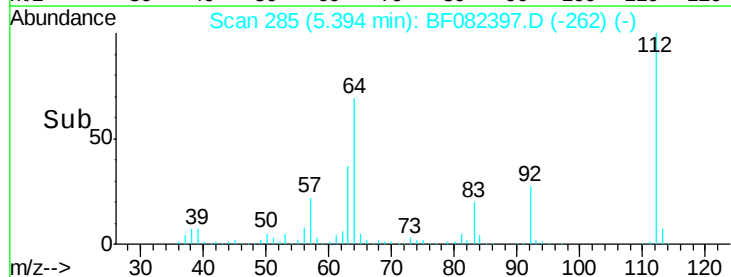
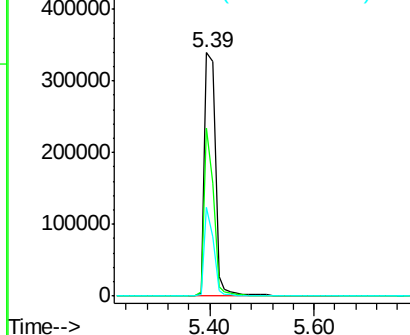


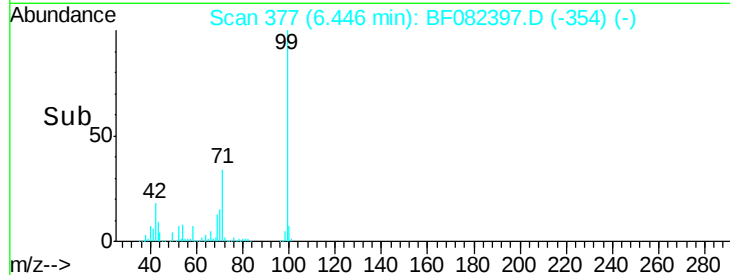
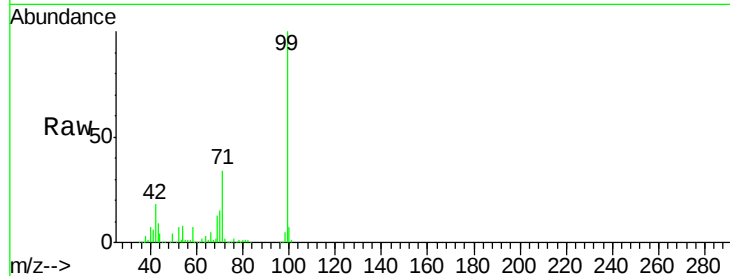
#5
 2-Fluorophenol
 Concen: 109.37 ng
 RT: 5.39 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

Tgt Ion:112 Resp: 503356
 Ion Ratio Lower Upper
 112 100
 64 69.1 48.6 73.0
 63 36.6 25.1 37.7



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: 108.03 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03RE

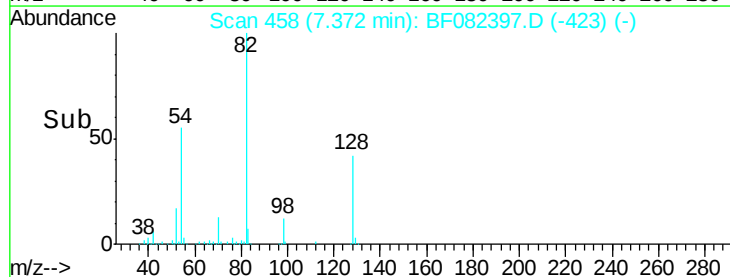
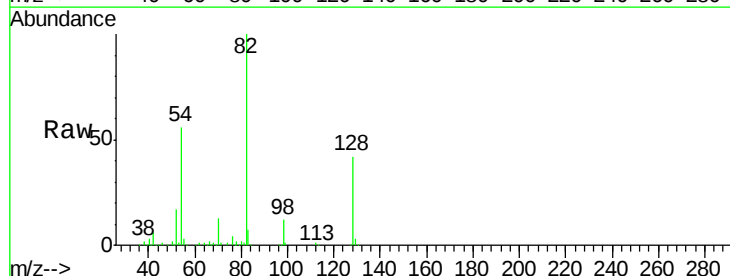
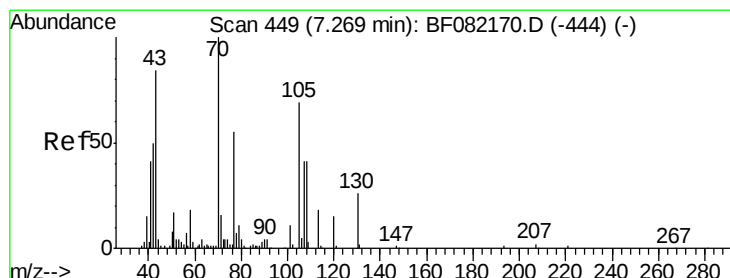
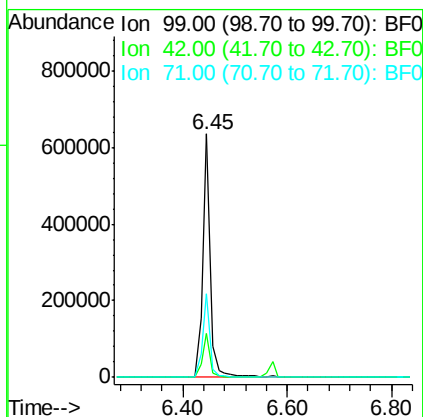
Tgt Ion: 99 Resp: 646996

Ion Ratio Lower Upper

99 100

42 17.8 13.2 19.8

71 34.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.47 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.10 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

Tgt Ion: 70 Resp: 48220

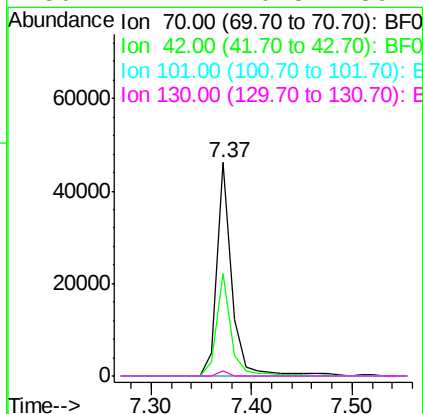
Ion Ratio Lower Upper

70 100

42 47.8 39.8 59.8

101 0.0 8.6 13.0#

130 2.2 20.5 30.7#

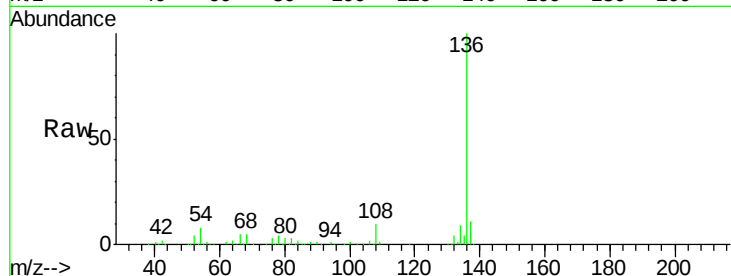




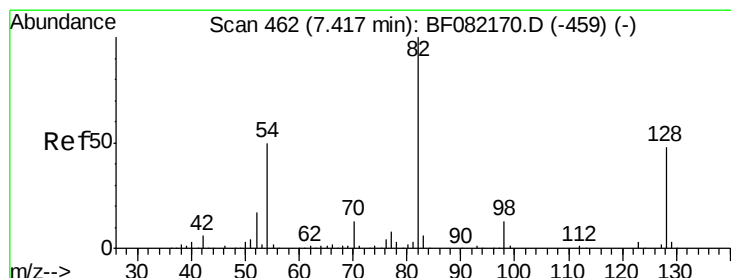
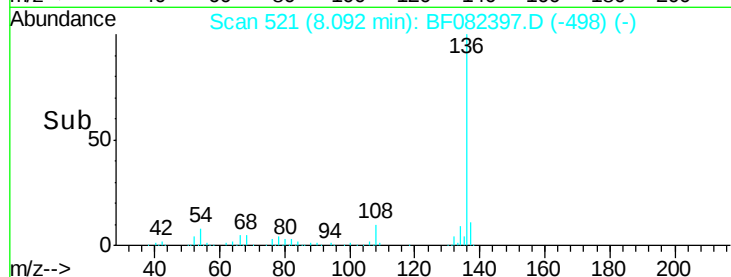
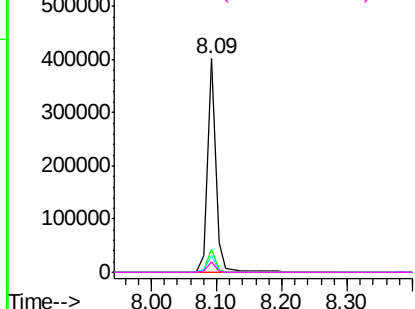
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Tgt Ion:	136	Resp:	355426
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.8	7.5	11.3
68	5.1	4.6	7.0

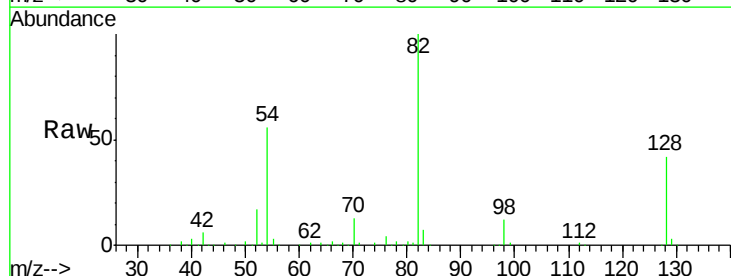


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

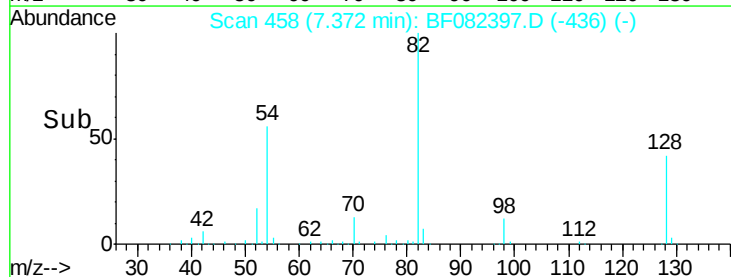
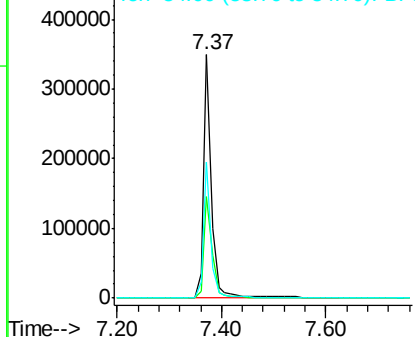


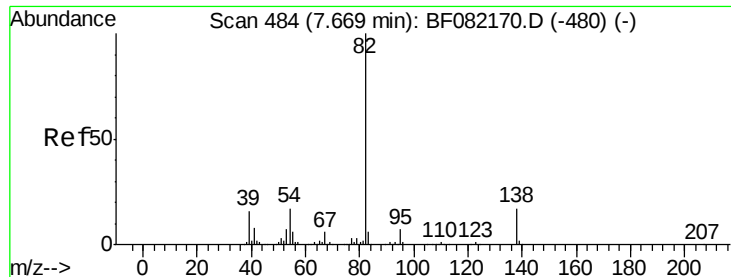
#23
Nitrobenzene-d5
Concen: 70.95 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:	82	Resp:	375487
Ion	Ratio	Lower	Upper
82	100		
128	41.7	38.7	58.1
54	55.7	40.1	60.1



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: 31.48 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03RE

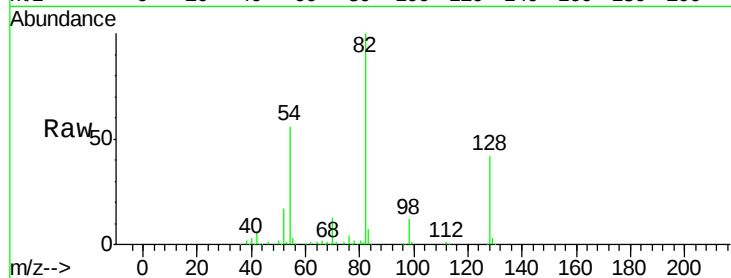
Tgt Ion: 82 Resp: 336269

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

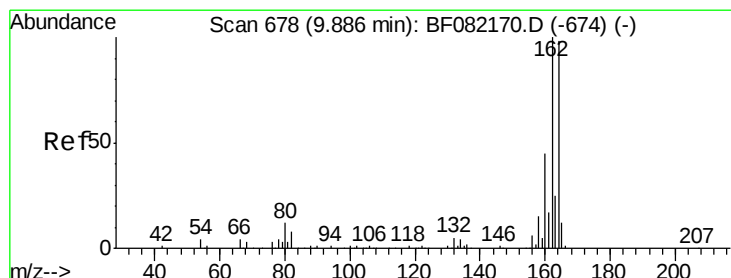
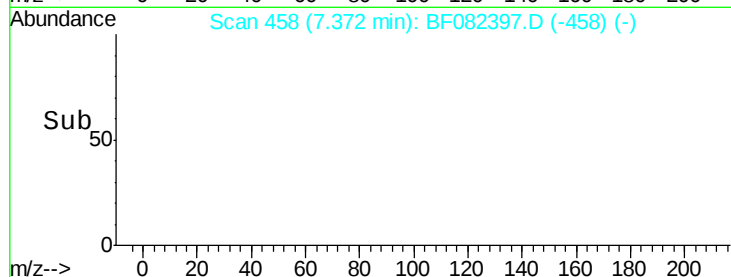
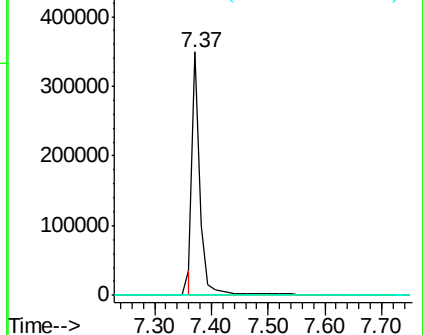
138 0.0 13.6 20.4#



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: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

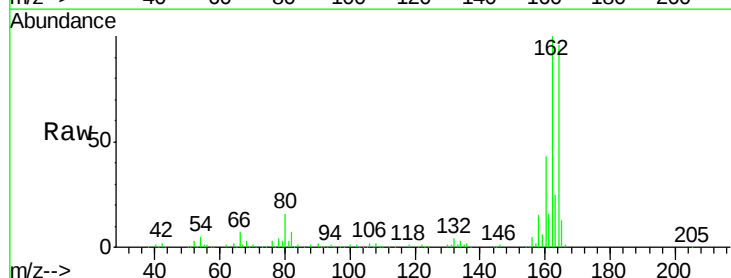
Tgt Ion: 164 Resp: 170640

Ion Ratio Lower Upper

164 100

162 104.3 81.6 122.4

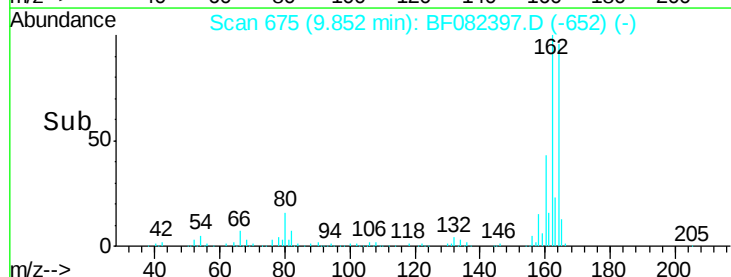
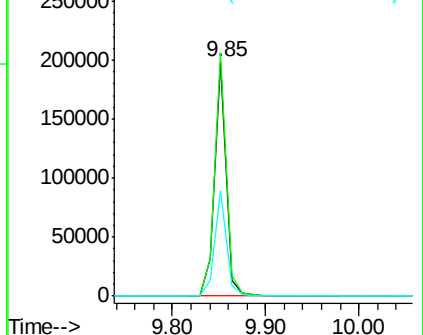
160 45.0 36.4 54.6



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

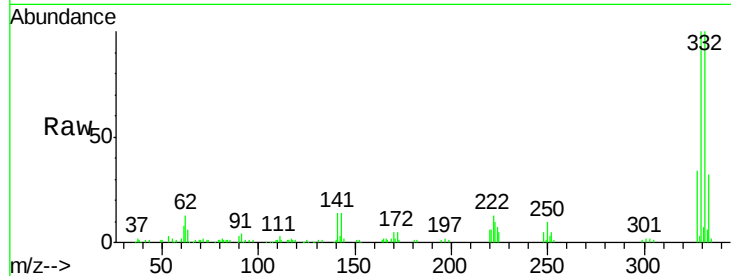




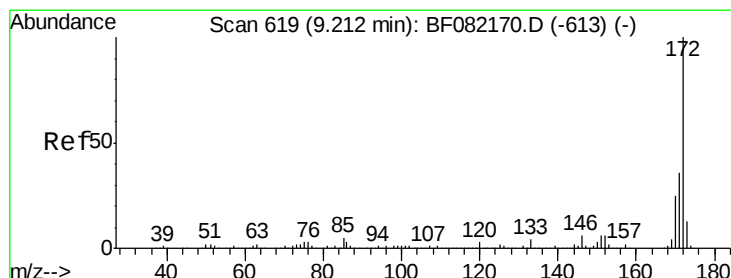
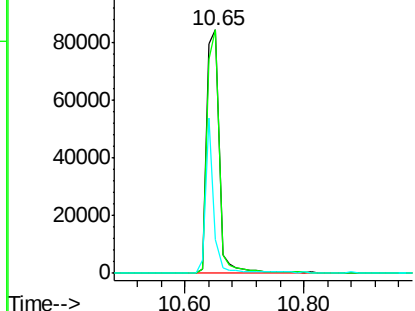
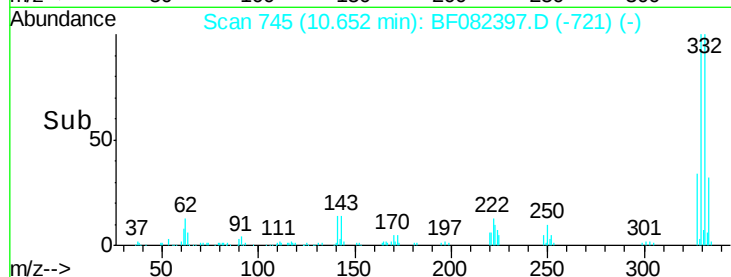
#41
 2,4,6-Tribromophenol
 Concen: 79.48 ng
 RT: 10.65 min Scan# 745
 Delta R.T. -0.02 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.1	115.7
141	41.3	29.8	44.8

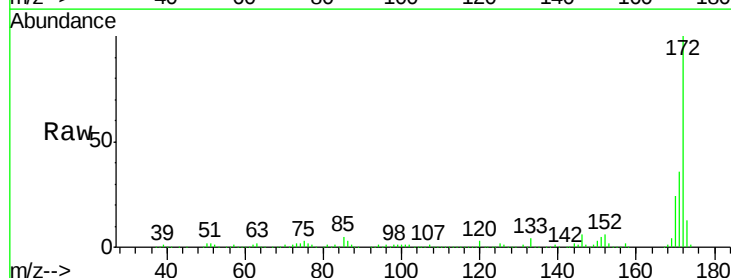


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

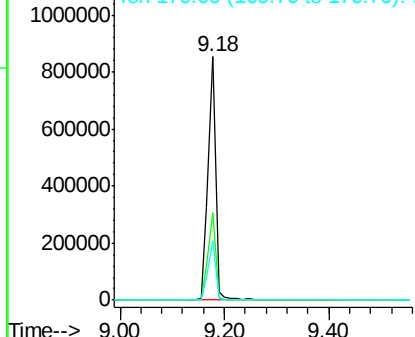
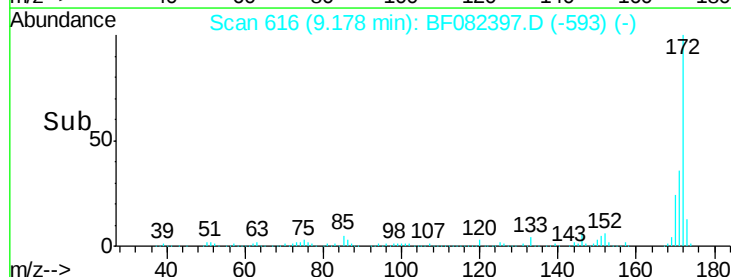


#44
 2-Fluorobiphenyl
 Concen: 84.18 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.1	19.7	29.5



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

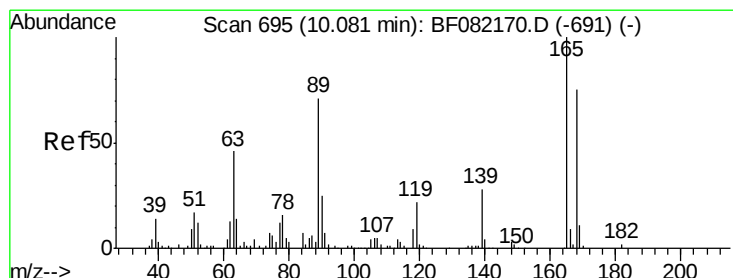
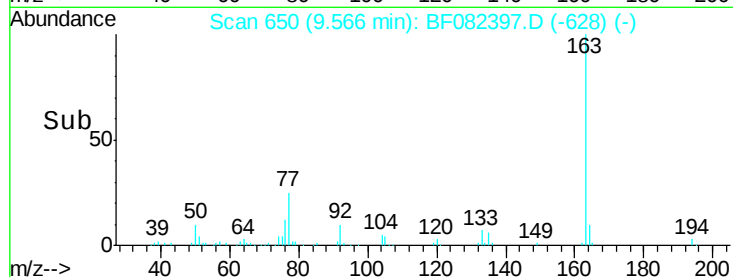
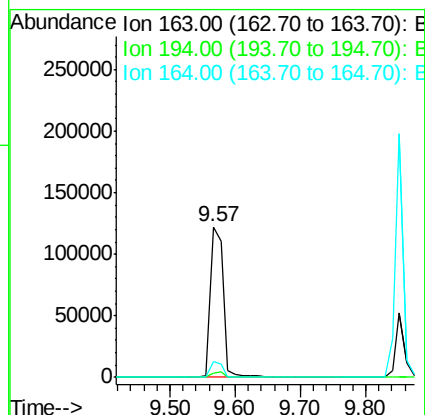
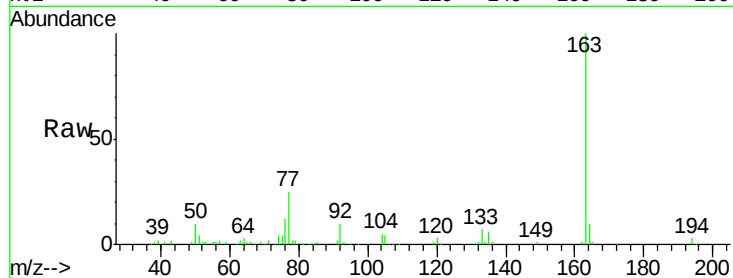




#49
Dimethylphthalate
Concen: 14.35 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

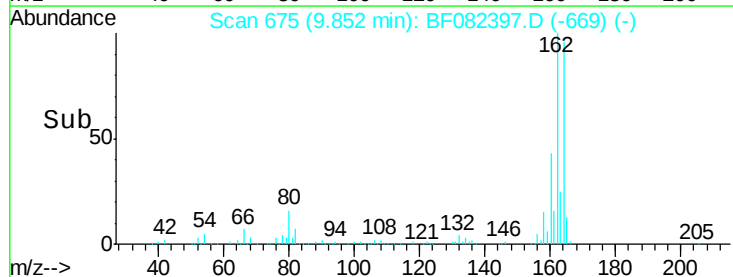
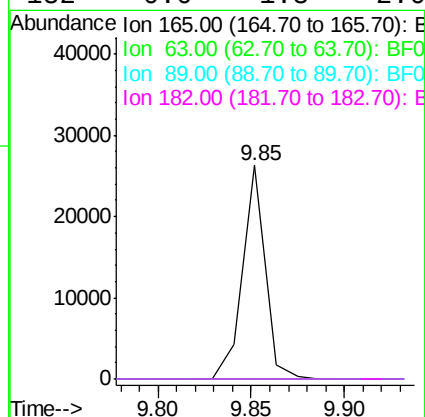
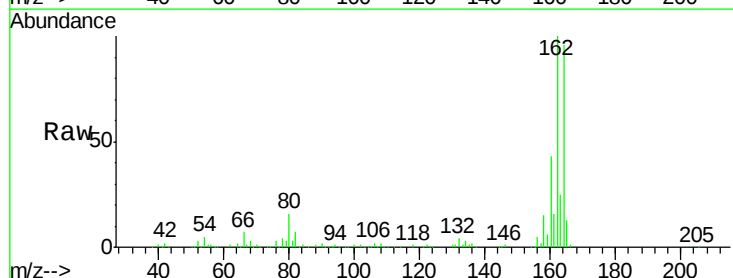
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

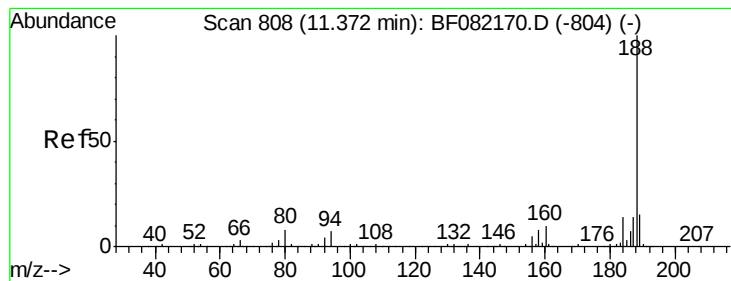
Tgt Ion:163 Resp: 172437
Ion Ratio Lower Upper
163 100
194 2.7 2.6 4.0
164 10.5 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 7.06 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.23 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:165 Resp: 22357
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 0.0 57.0 85.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03RE

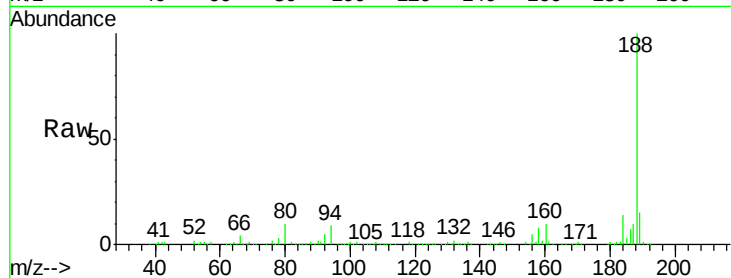
Tgt Ion:188 Resp: 276656

Ion Ratio Lower Upper

188 100

94 9.3 5.8 8.6#

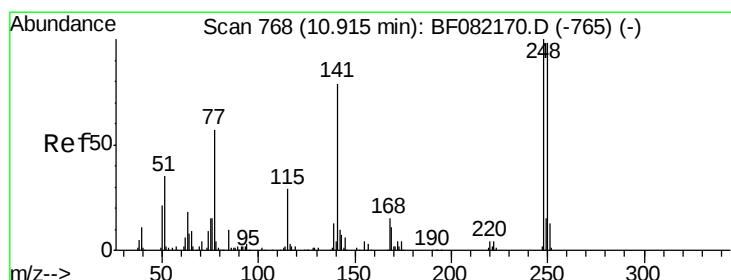
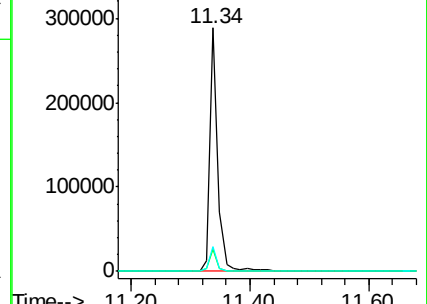
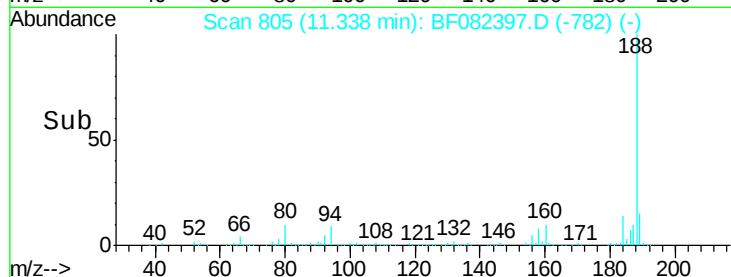
80 10.0 6.4 9.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 3.41 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.27 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

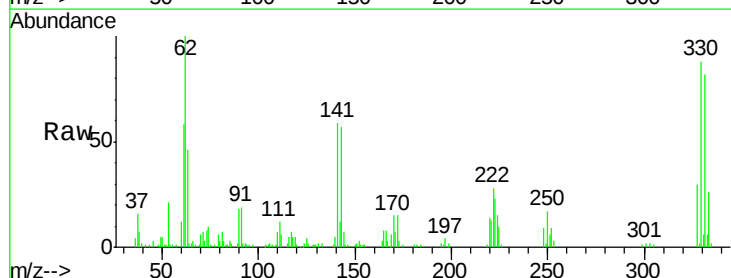
Tgt Ion:248 Resp: 9451

Ion Ratio Lower Upper

248 100

250 182.2 78.6 117.8#

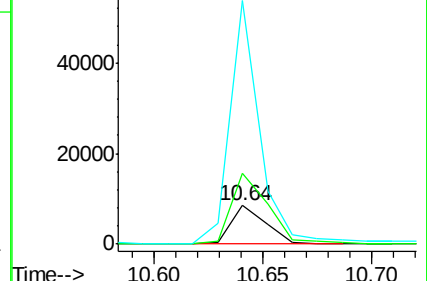
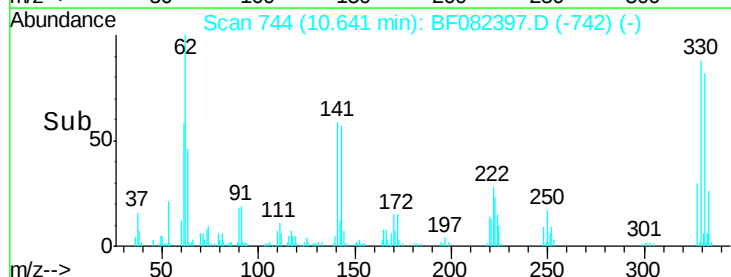
141 628.7 63.3 94.9#

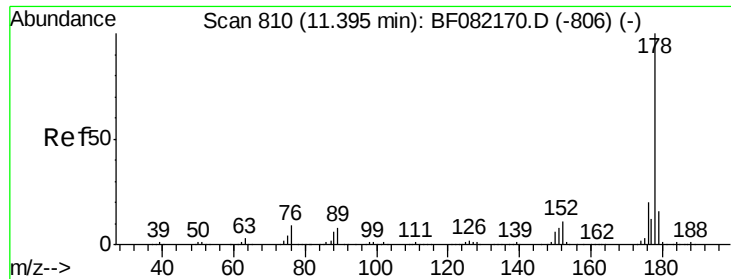


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

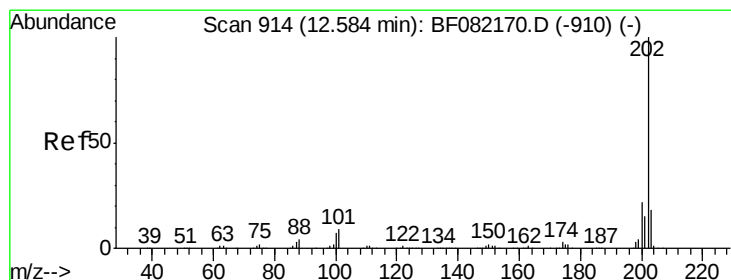
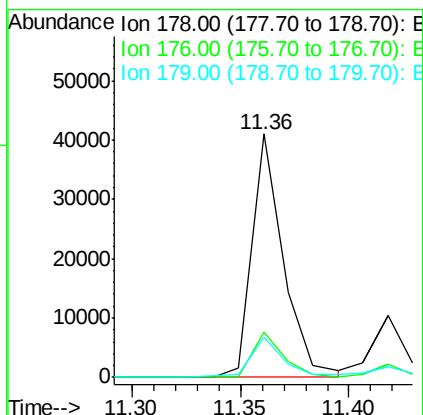
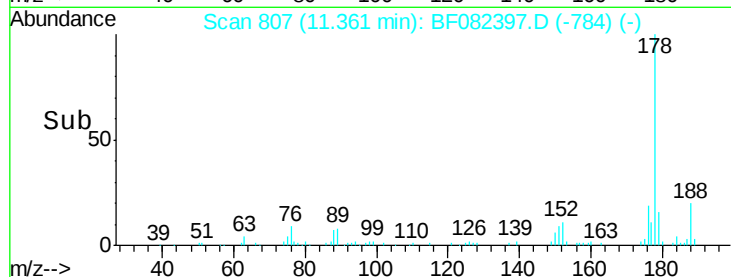
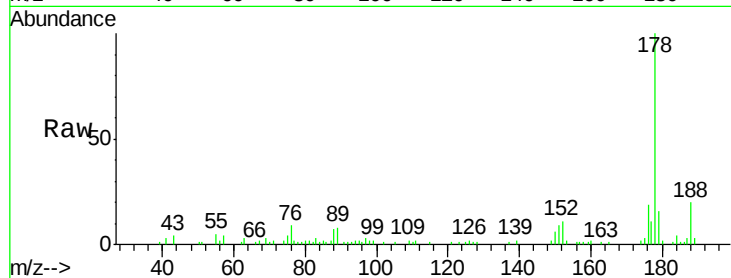




#70
Phenanthrene
Concen: 3.03 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

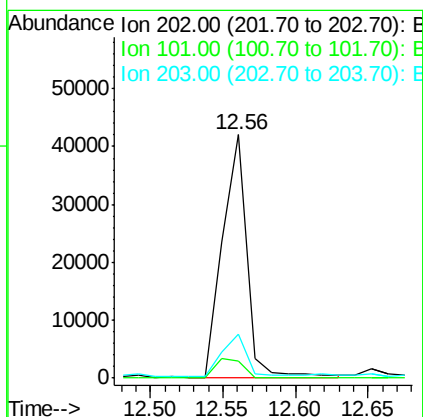
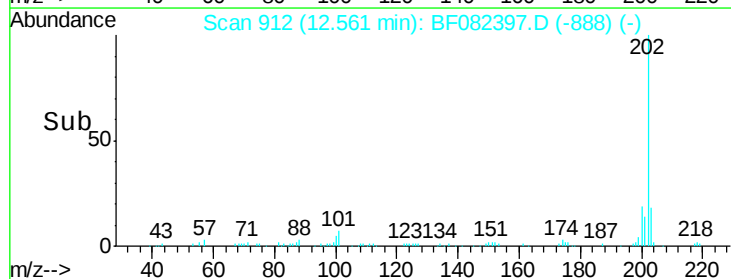
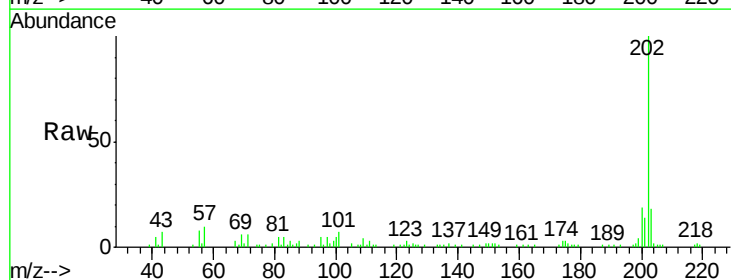
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

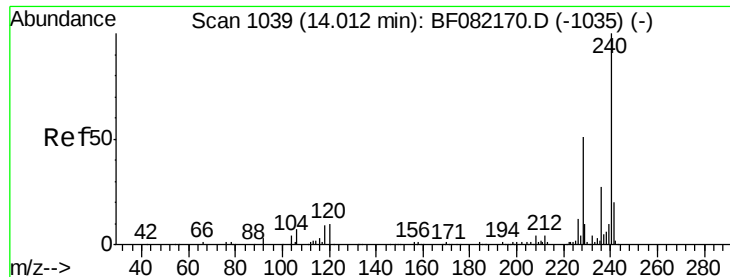
Tgt Ion:178 Resp: 41124
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 16.3 12.6 19.0



#74
Fluoranthene
Concen: 3.41 ng
RT: 12.56 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

Tgt Ion:202 Resp: 49704
Ion Ratio Lower Upper
202 100
101 7.1 0.0 29.3
203 18.3 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. 0.03 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03RE

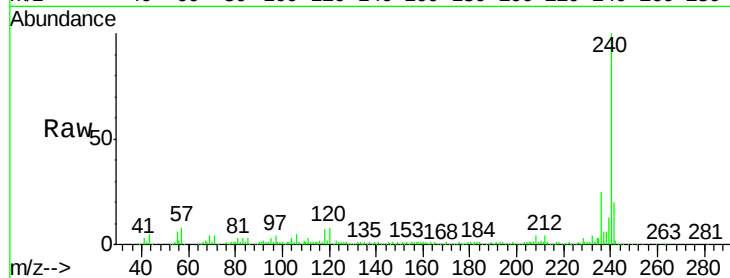
Tgt Ion:240 Resp: 214786

Ion Ratio Lower Upper

240 100

120 8.0 8.1 12.1#

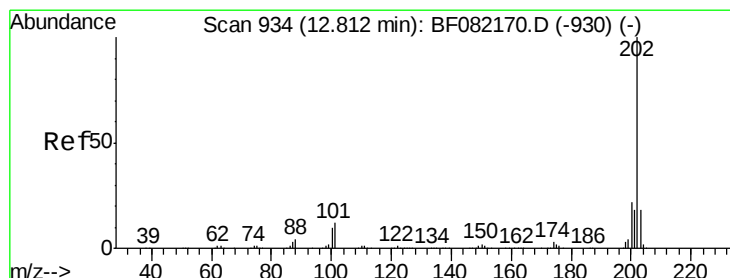
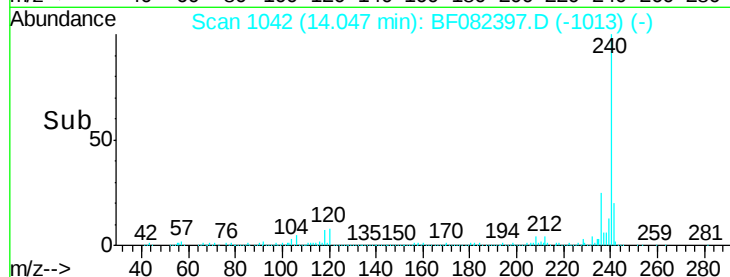
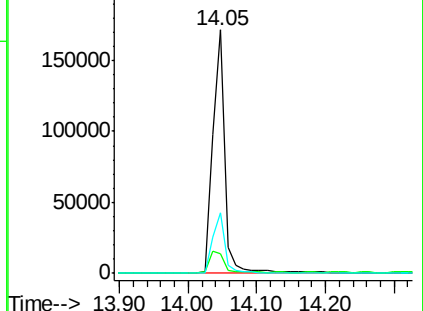
236 25.1 21.3 31.9



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: 4.15 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082397.D

Acq: 20 Oct 2015 12:12

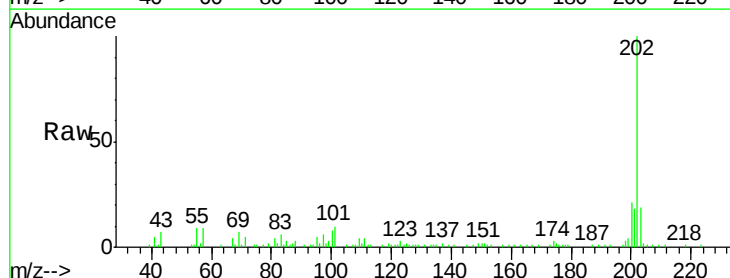
Tgt Ion:202 Resp: 52885

Ion Ratio Lower Upper

202 100

200 20.8 17.9 26.9

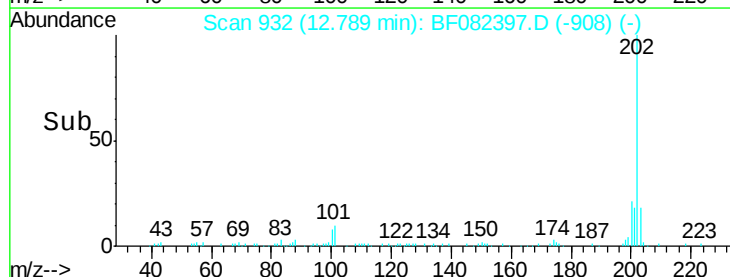
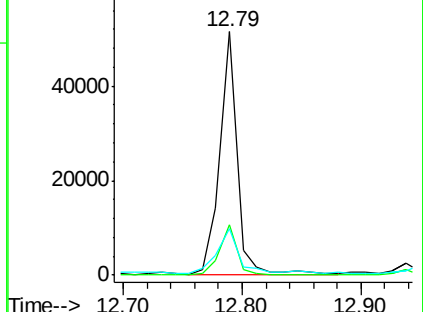
203 18.9 14.5 21.7

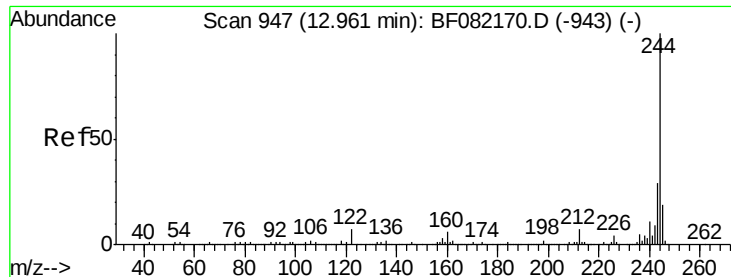


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

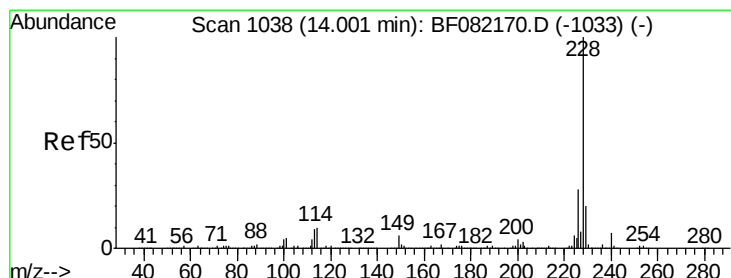
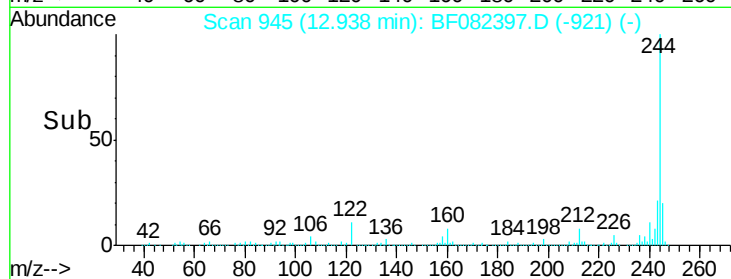
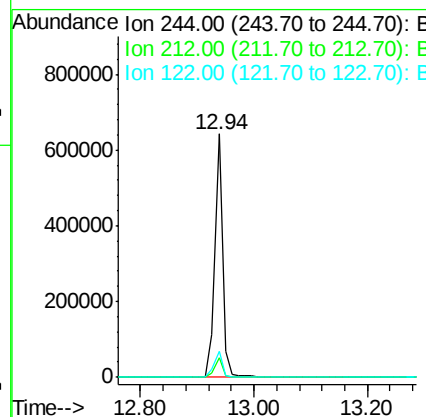
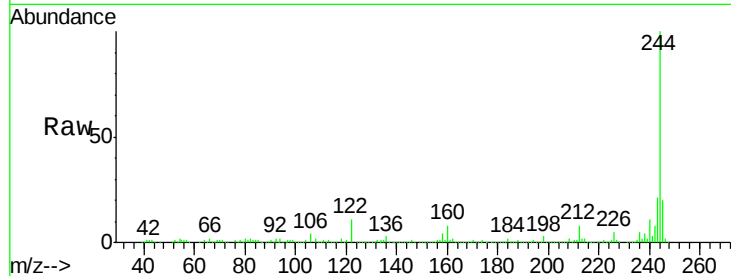




#78
 Terphenyl-d14
 Concen: 73.20 ng
 RT: 12.94 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

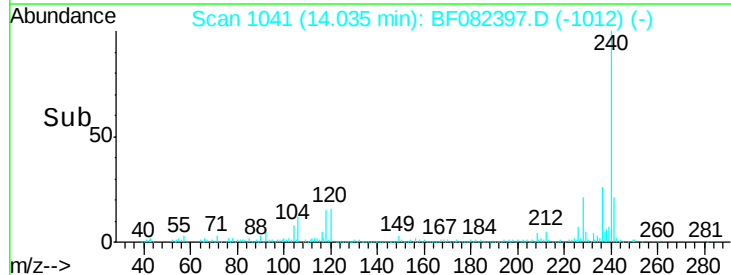
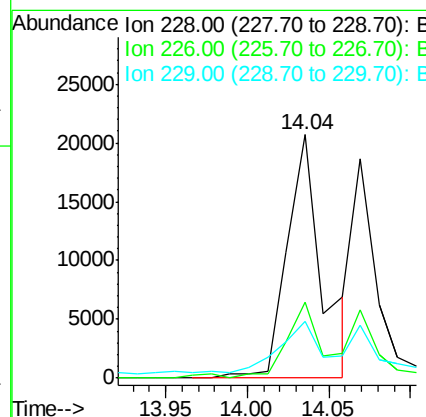
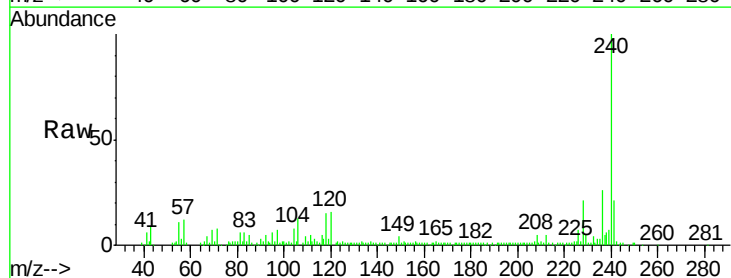
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-03RE

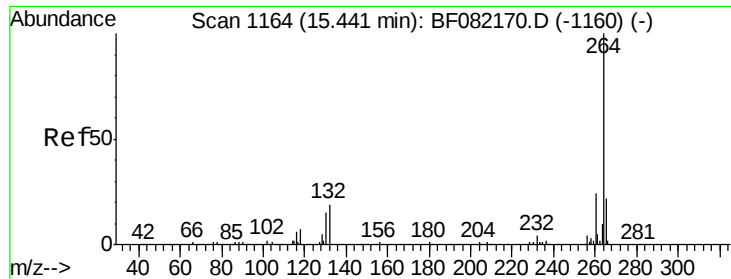
Tgt Ion:244 Resp: 593281
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.6
 122 10.8 5.9 8.9#



#80
 Benzo(a)anthracene
 Concen: 2.76 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: BF082397.D
 Acq: 20 Oct 2015 12:12

Tgt Ion:228 Resp: 30885
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.3 33.5
 229 23.2 16.2 24.2



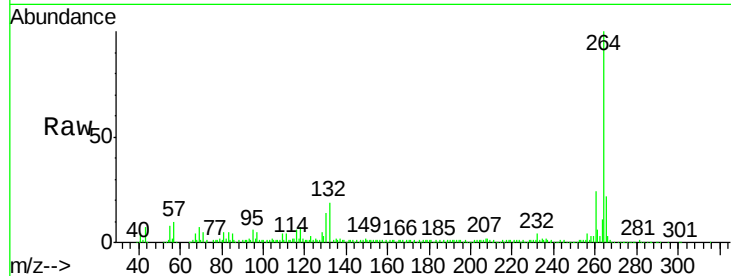


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1177
Delta R.T. 0.15 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

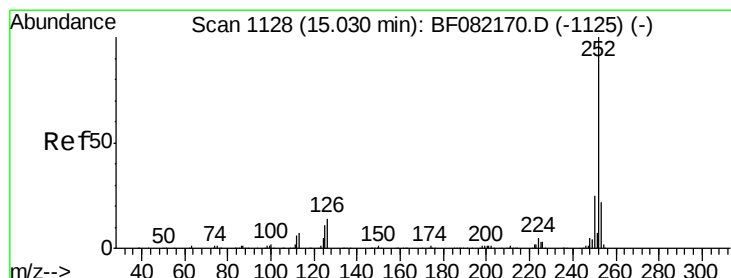
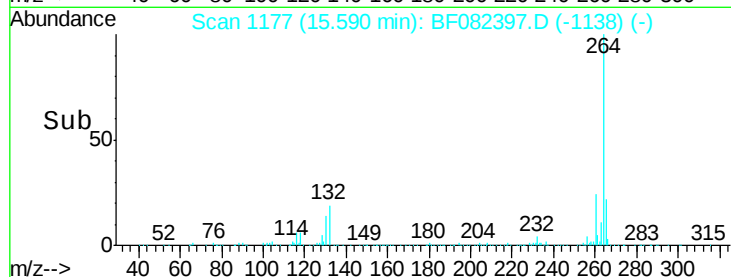
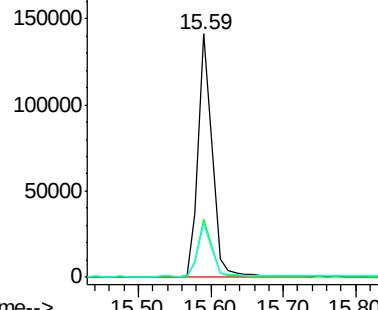
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-03RE

Tgt Ion: 264 Resp: 196429

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.0	17.3	25.9



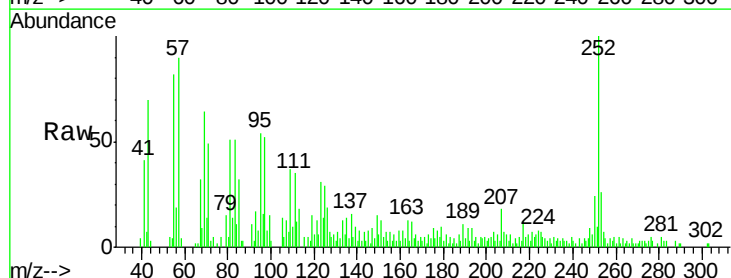
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



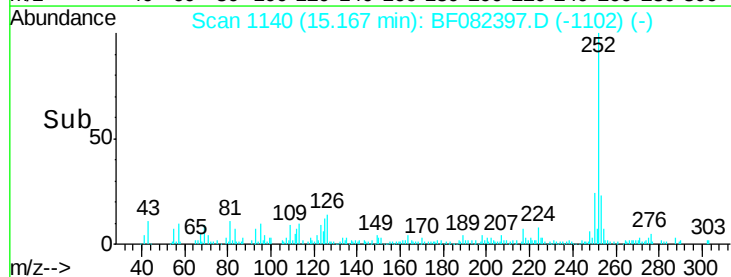
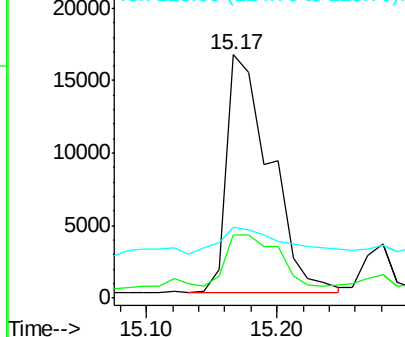
#87
Benzo(b)fluoranthene
Concen: 3.17 ng
RT: 15.17 min Scan# 1140
Delta R.T. 0.14 min
Lab File: BF082397.D
Acq: 20 Oct 2015 12:12

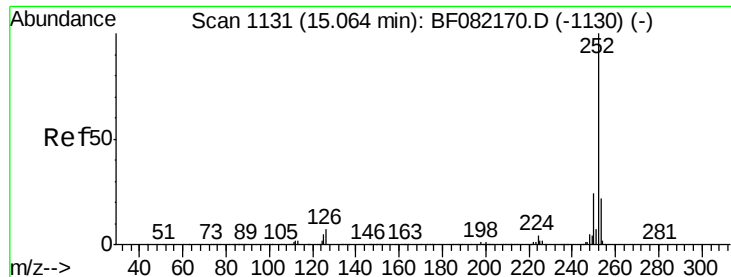
Tgt Ion: 252 Resp: 37914

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	29.0	8.6	12.8



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





#88

Benzo(k)fluoranthene

Concen: 3.77 ng

RT: 15.17 min Scan# 1140

Delta R.T. 0.10 min

Lab File: BF082397.D

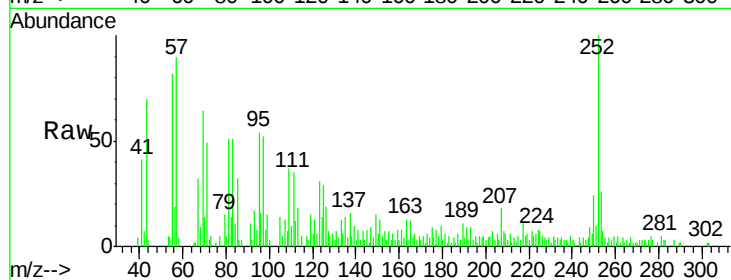
Acq: 20 Oct 2015 12:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-03RE



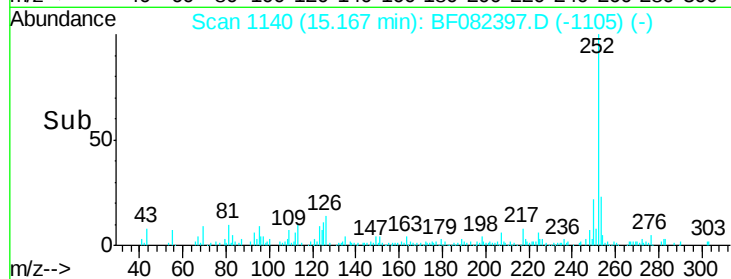
Tgt Ion:252 Resp: 37914

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.6

125 29.0 6.7 10.1#



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

