

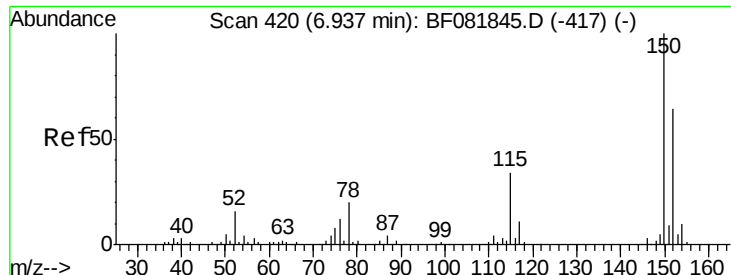
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082093.D
 Acq On : 6 Oct 2015 19:42
 Operator : UM/IZ
 Sample : G3906-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-01

Quant Time: Oct 07 02:06:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	89581	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	337399	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	154867	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	283621	20.00	ng	0.00
75) Chrysene-d12	14.06	240	241085	20.00	ng	-0.01
86) Perylene-d12	15.51	264	202726	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	699220	141.69	ng	0.01
7) Phenol-d6	6.51	99	873900	140.74	ng	0.00
23) Nitrobenzene-d5	7.45	82	554761	109.60	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	240435	153.30	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	803115	87.22	ng	0.00
78) Terphenyl-d14	12.99	244	664868	90.76	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	7.04	79	9183	2.05	ng	# 30
19) n-Nitroso-di-n-propylamine	7.45	70	74493	19.74	ng	# 57
25) Isophorone	7.45	82	432424	43.10	ng	# 58
49) Dimethylphthalate	9.65	163	161684	15.13	ng	# 97
56) 2,4-Dinitrotoluene	9.92	165	20433	6.91	ng	# 33
57) Fluorene	10.47	166	2384	Below Cal	#	67
66) 4-Bromophenyl-phenylether	10.72	248	15785	5.52	ng	# 1
71) Anthracene	11.44	178	36168	2.51	ng	# 97
73) Di-n-butylphthalate	11.97	149	1164	Below Cal	#	78
74) Fluoranthene	12.63	202	47101	3.10	ng	# 85
77) Pyrene	12.86	202	48094	3.34	ng	# 98
80) Benzo(a)anthracene	14.05	228	26676	2.05	ng	# 88
82) Chrysene	14.05	228	26676	2.44	ng	# 89
87) Benzo(b)fluoranthene	15.09	252	31083	2.69	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	31083	2.93	ng	# 92

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

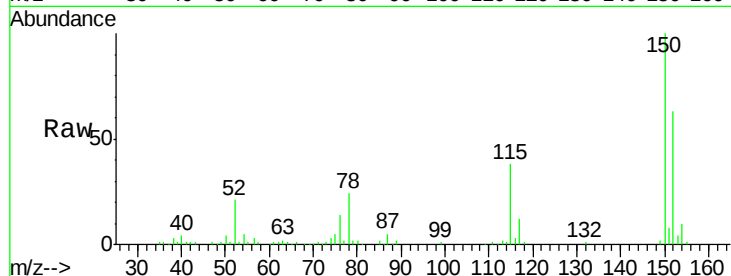


#1

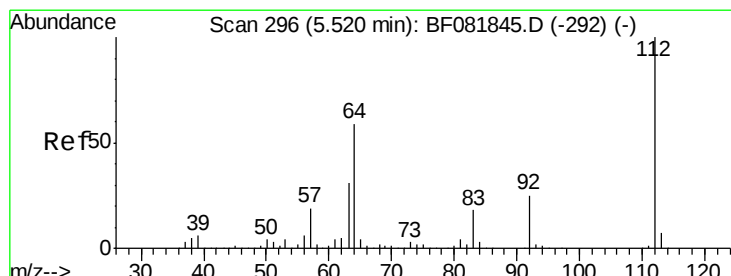
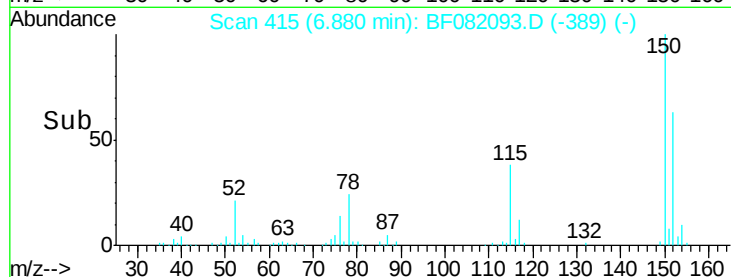
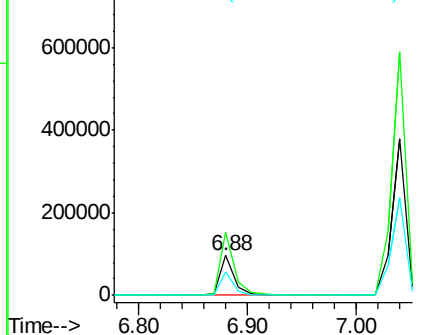
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

Tot Ion:152 Resp: 89581
Ion Ratio Lower Upper
152 100
150 157.8 124.7 187.1
115 59.6 39.0 58.4#



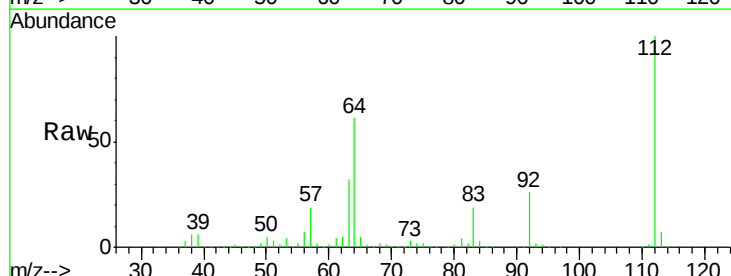
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



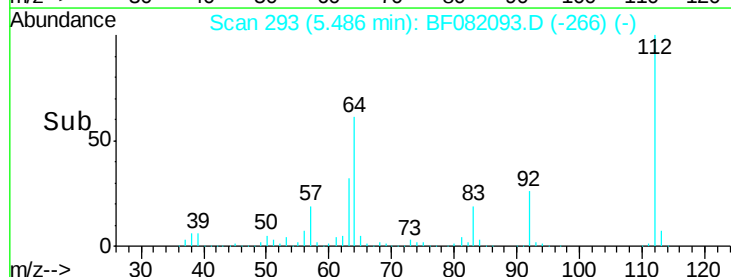
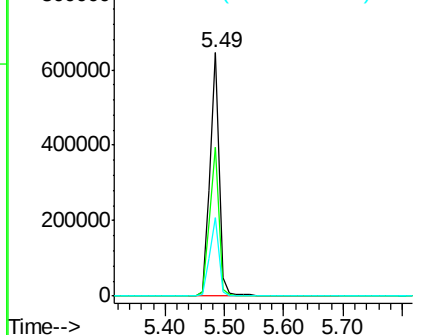
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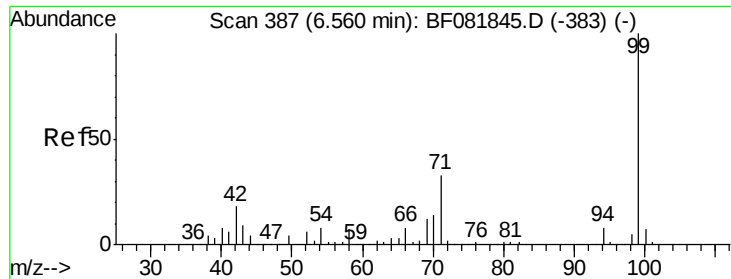
2-Fluorophenol
Concen: 141.69 ng
RT: 5.49 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion:112 Resp: 699220
Ion Ratio Lower Upper
112 100
64 61.0 39.7 59.5#
63 32.3 17.4 26.0#



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: 140.74 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-01

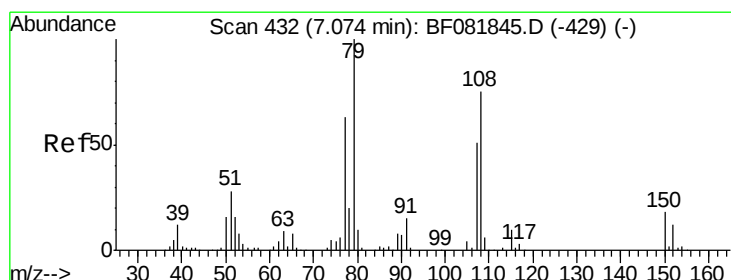
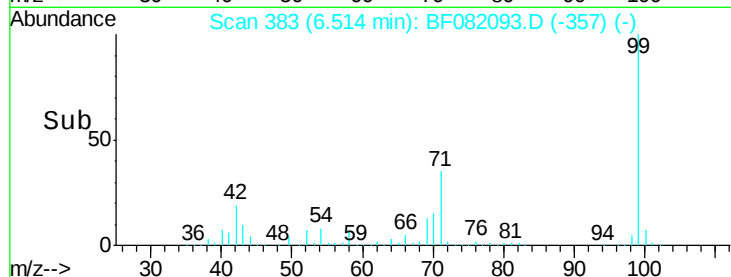
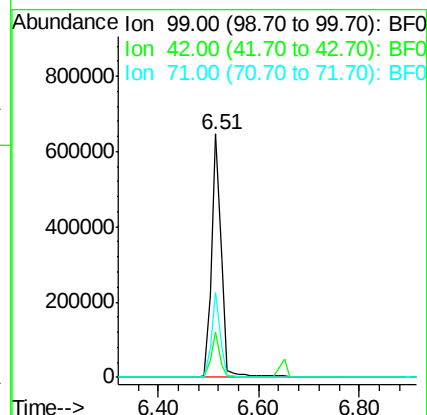
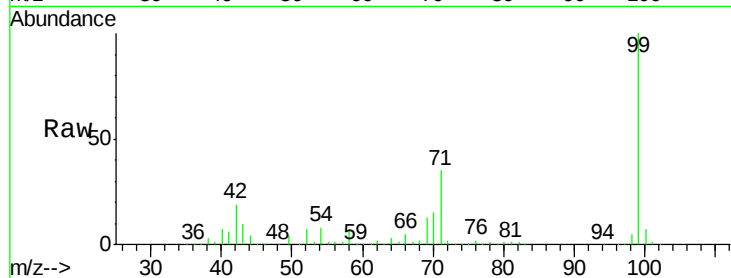
Tot Ion: 99 Resp: 873900

Ion Ratio Lower Upper

99 100

42 18.6 13.7 20.5

71 35.0 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

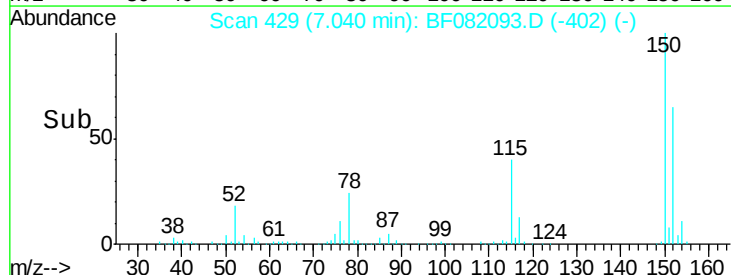
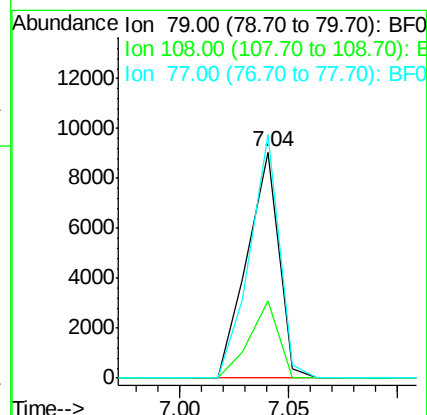
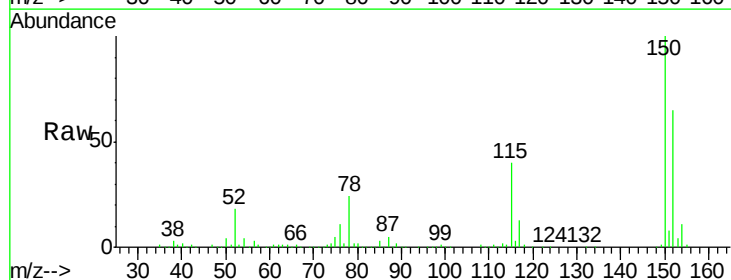
Tgt Ion: 79 Resp: 9183

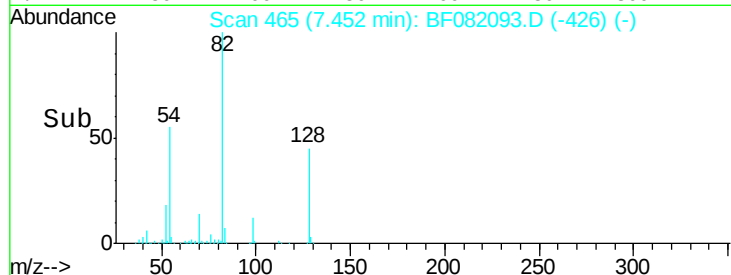
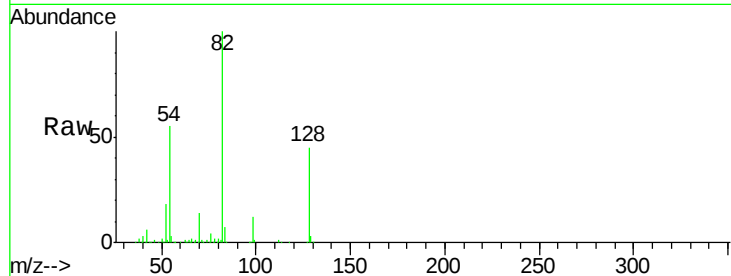
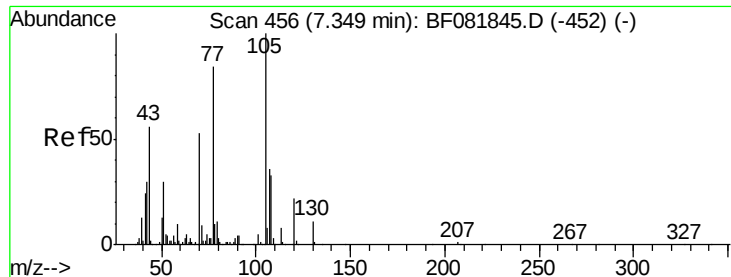
Ion Ratio Lower Upper

79 100

108 34.5 88.6 132.8#

77 107.9 47.0 70.4#

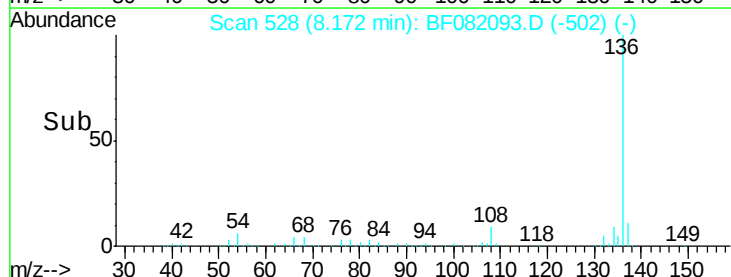
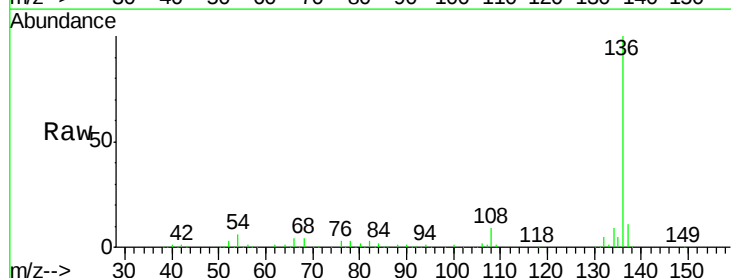
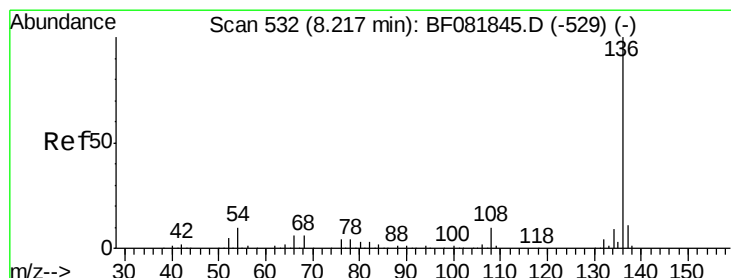
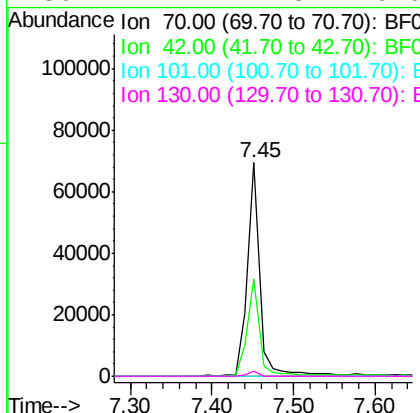




#19
n-Nitroso-di-n-propylamine
Concen: 19.74 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

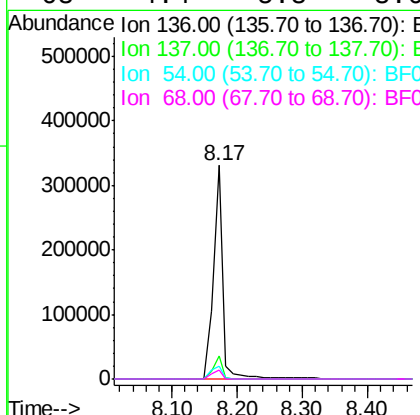
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

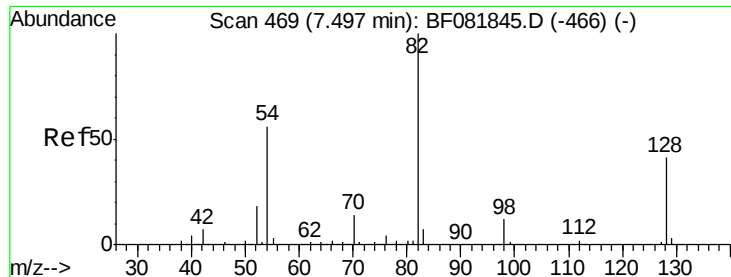
Tot Ion: 70 Resp: 74493
Ion Ratio Lower Upper
70 100
42 45.5 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion: 136 Resp: 337399
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 6.2 8.2 12.2#
68 4.4 5.8 8.6#

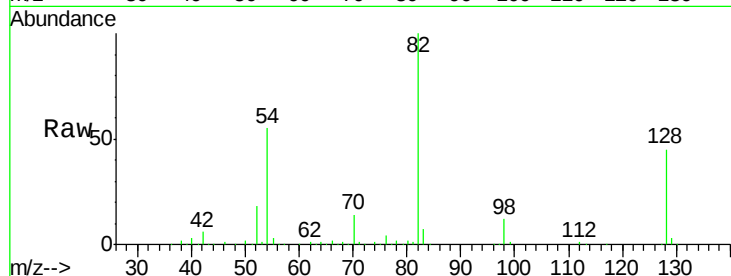




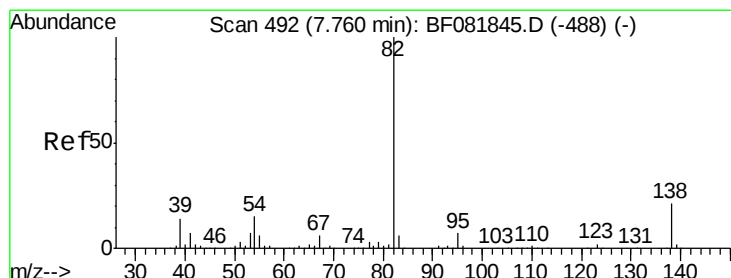
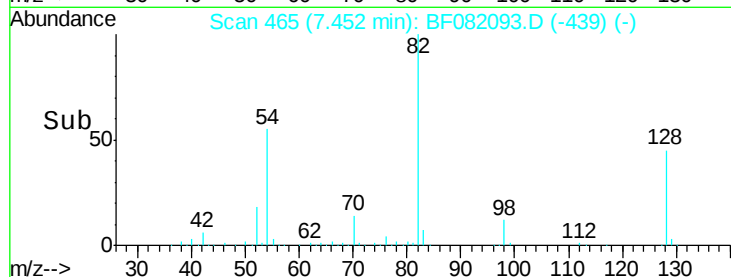
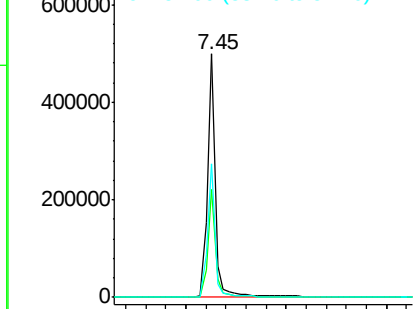
#23
Nitrobenzene-d5
Concen: 109.60 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

Tot Ion: 82 Resp: 554761
Ion Ratio Lower Upper
82 100
128 44.6 51.0 76.6#
54 54.6 47.5 71.3

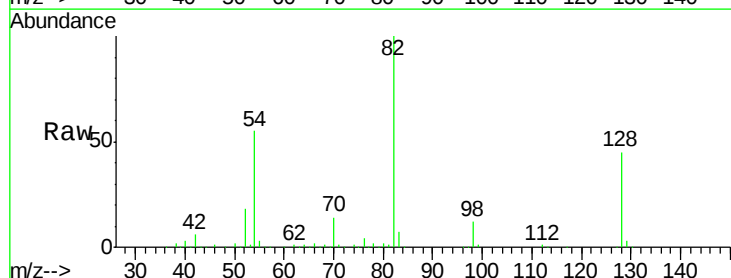


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

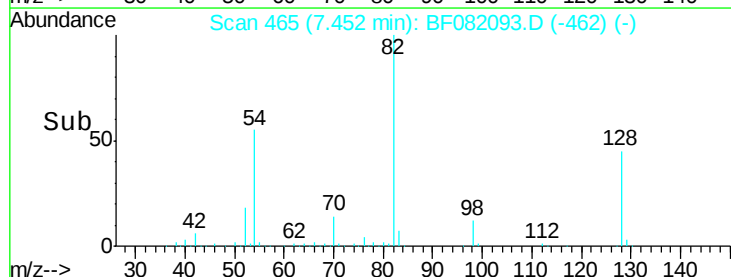
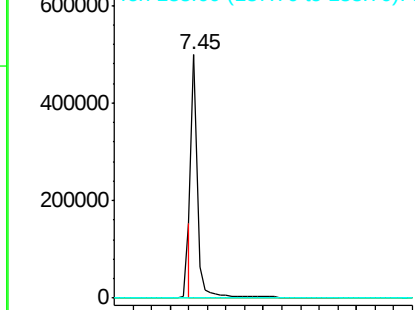


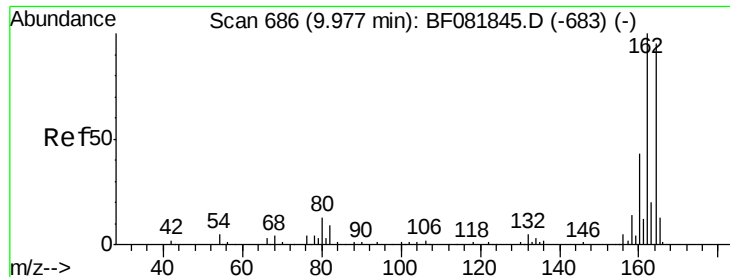
#25
Isophorone
Concen: 43.10 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.26 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion: 82 Resp: 432424
Ion Ratio Lower Upper
82 100
95 0.0 4.0 6.0#
138 0.0 18.3 27.5#



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

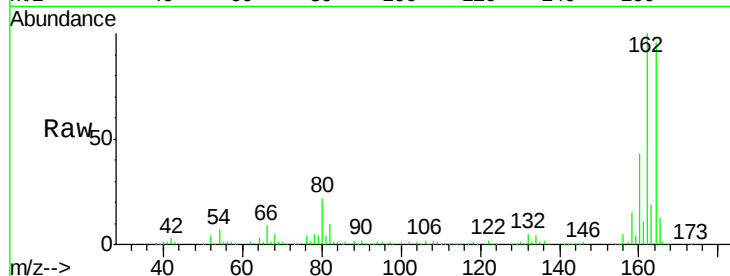




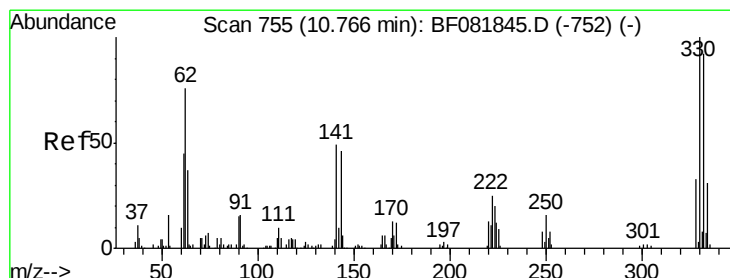
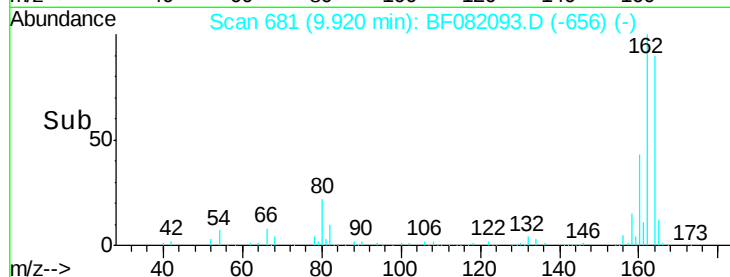
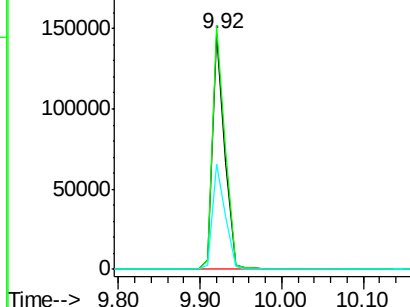
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

Tot Ion:164 Resp: 154867
Ion Ratio Lower Upper
164 100
162 103.7 75.2 112.8
160 44.8 31.5 47.3

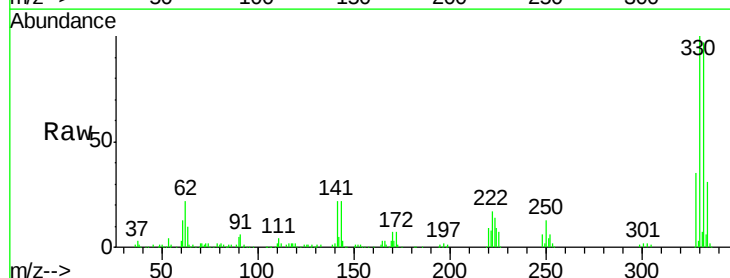


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

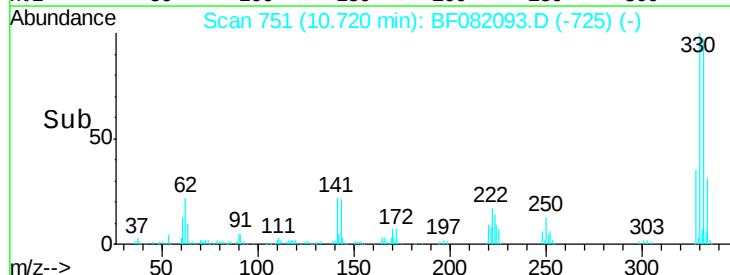
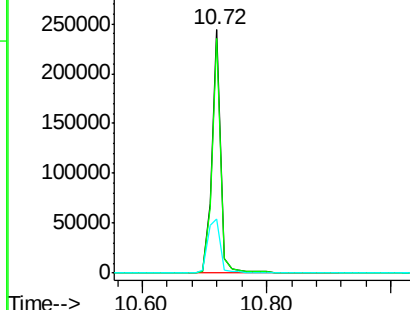


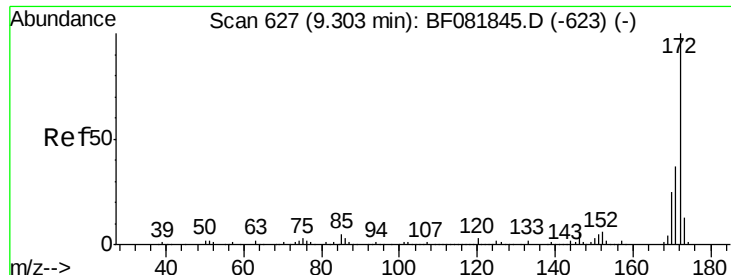
#41
2,4,6-Tribromophenol
Concen: 153.30 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion:330 Resp: 240435
Ion Ratio Lower Upper
330 100
332 96.5 76.6 114.8
141 32.8 29.7 44.5



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

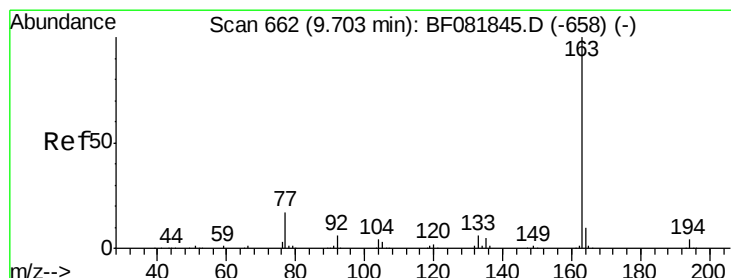
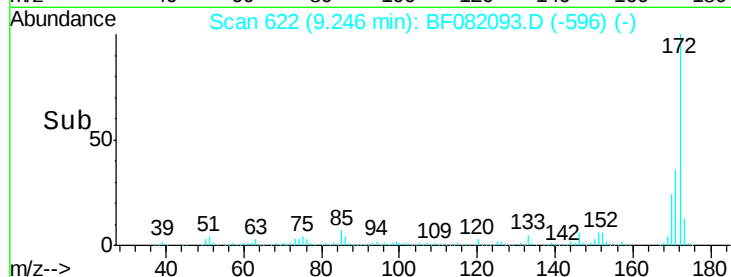
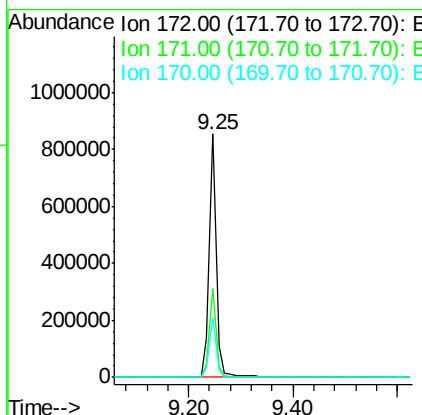
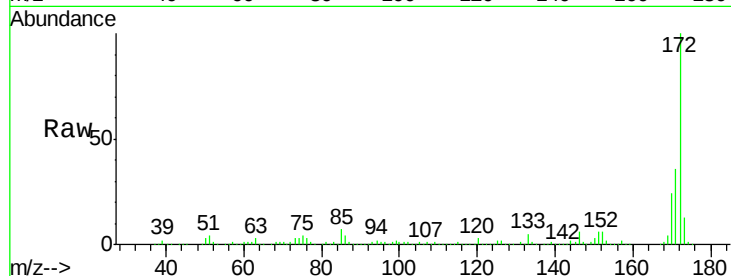




#44
 2-Fluorobiphenyl
 Concen: 87.22 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082093.D
 Acq: 6 Oct 2015 19:42

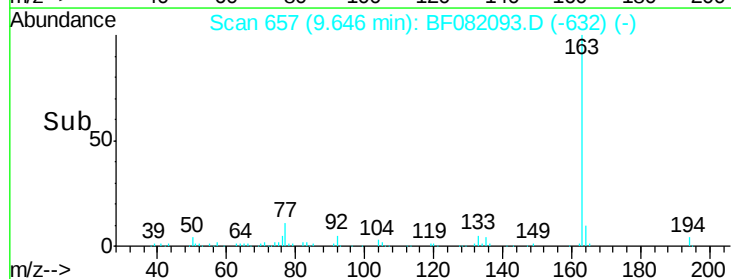
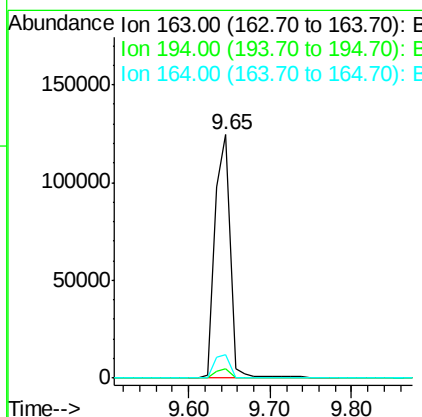
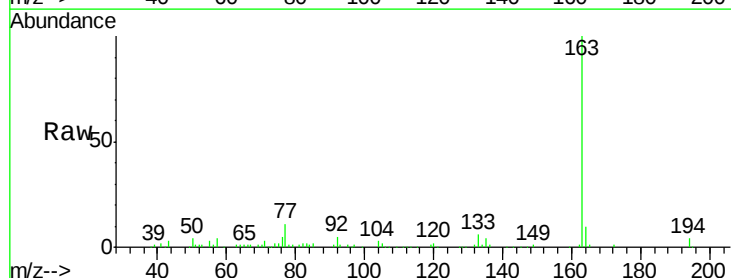
Instrument :
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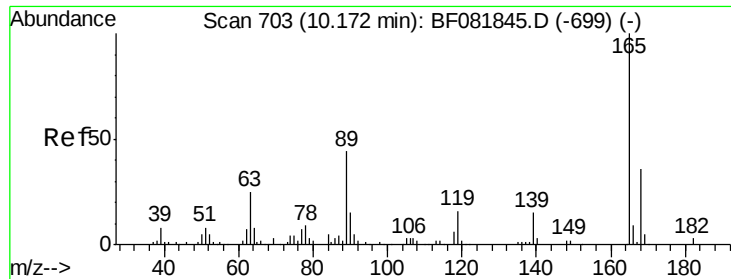
Tot Ion:172 Resp: 803115
 Ion Ratio Lower Upper
 172 100
 171 36.5 26.1 39.1
 170 24.4 17.4 26.2



#49
 Dimethylphthalate
 Concen: 15.13 ng
 RT: 9.65 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF082093.D
 Acq: 6 Oct 2015 19:42

Tgt Ion:163 Resp: 161684
 Ion Ratio Lower Upper
 163 100
 194 4.0 4.4 6.6#
 164 9.6 8.3 12.5

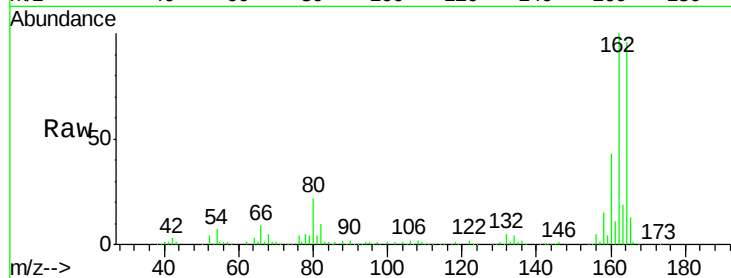




#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.21 min
 Lab File: BF082093.D
 Acq: 6 Oct 2015 19:42

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-DGA-01

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	29.8	44.6#
89	2.0	44.5	66.7#
182	0.0	3.0	4.4#

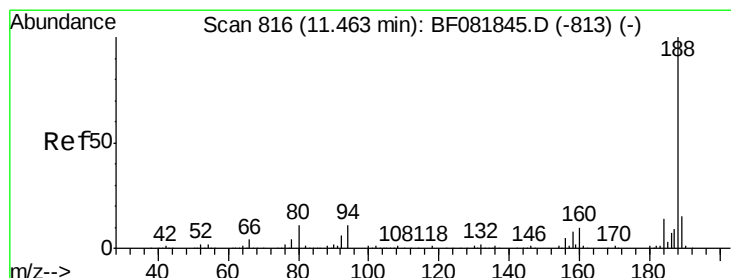
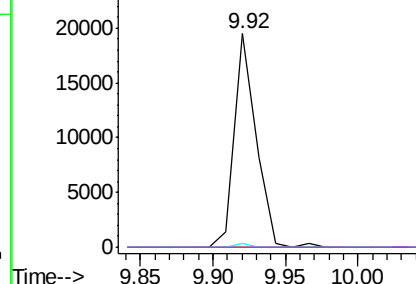
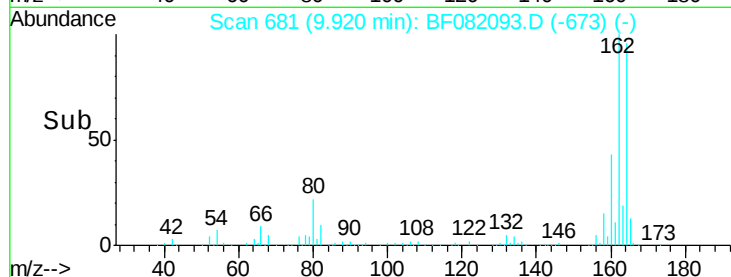


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

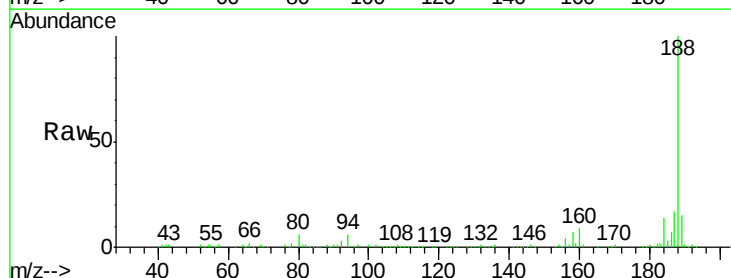
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF082093.D
 Acq: 6 Oct 2015 19:42

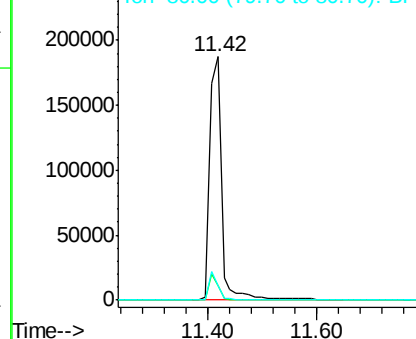
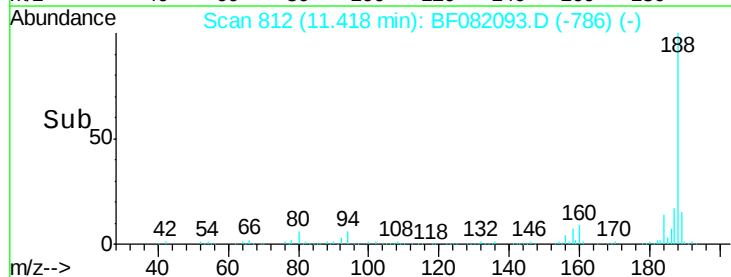
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	11.1	16.7#
80	5.7	11.0	16.4#

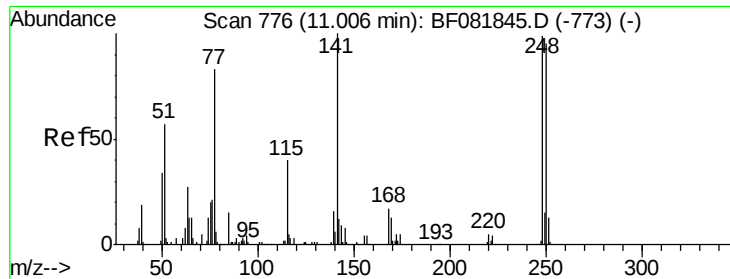


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

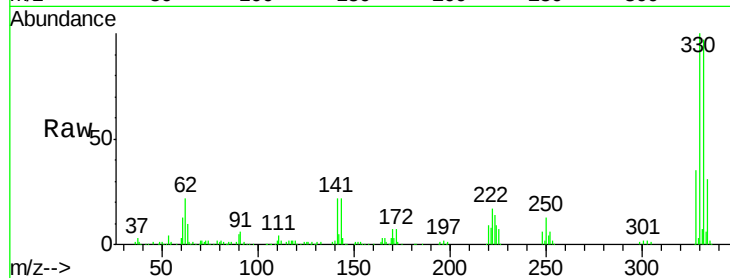




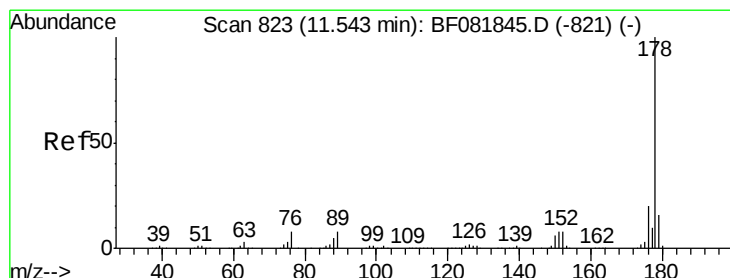
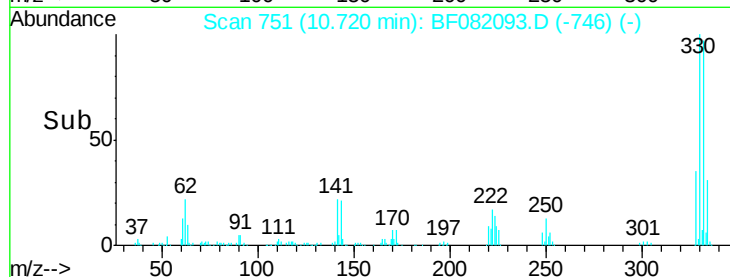
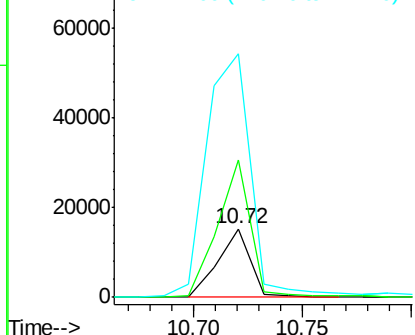
#66
4-Bromophenyl-phenylether
Concen: 5.52 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

Tot Ion:248 Resp: 15785
Ion Ratio Lower Upper
248 100
250 200.2 78.5 117.7#
141 354.1 59.0 88.6#

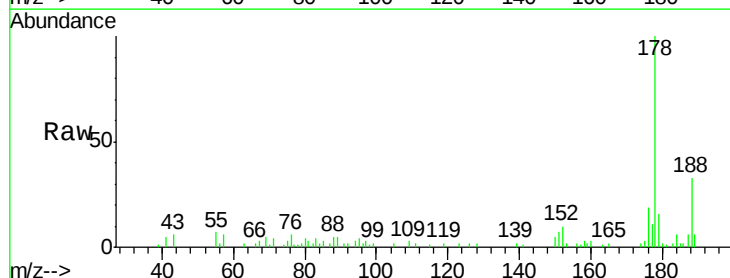


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

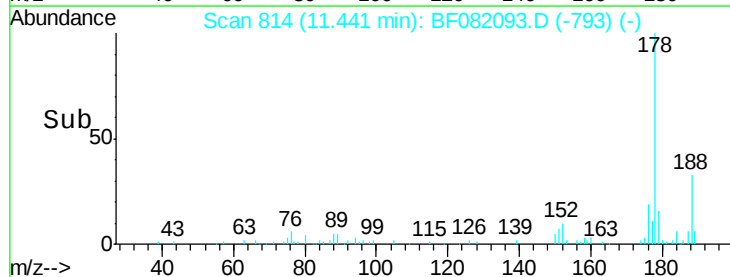
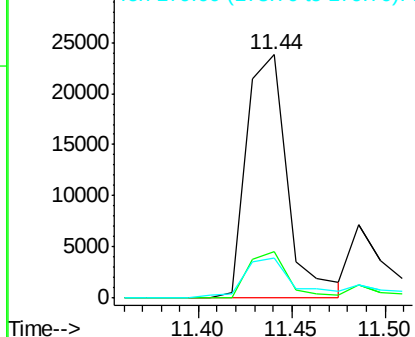


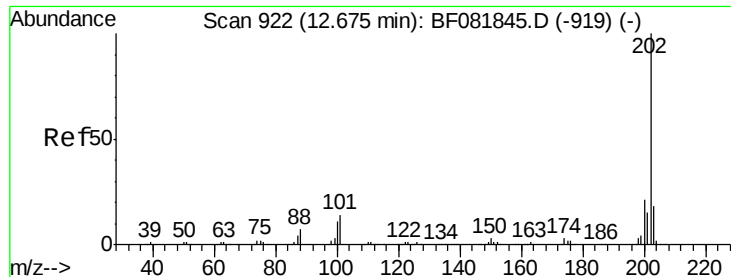
#71
Anthracene
Concen: 2.51 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.06 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion:178 Resp: 36168
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 16.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.10 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-01

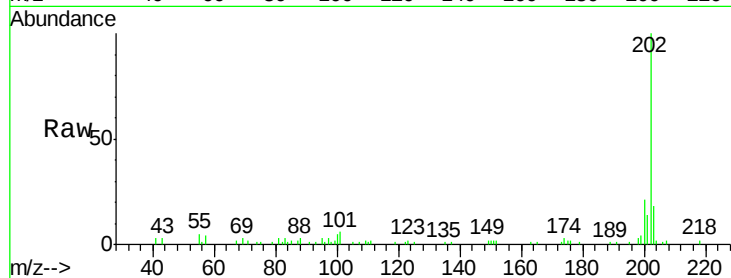
Tot Ion:202 Resp: 47101

Ion Ratio Lower Upper

202 100

101 6.5 0.0 38.3

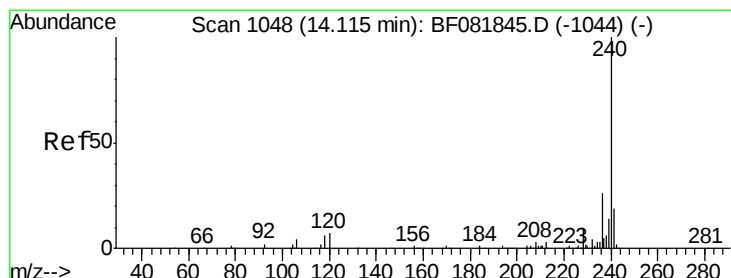
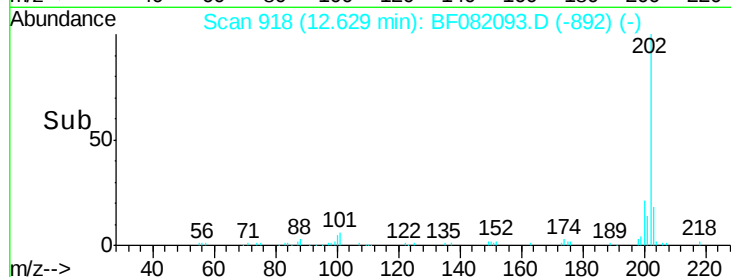
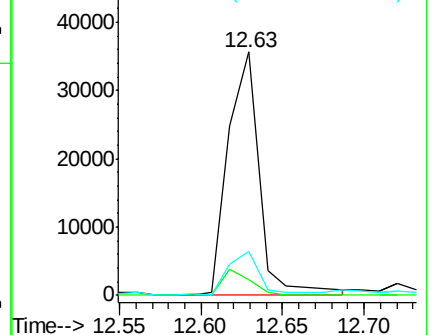
203 18.1 0.0 37.3



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: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

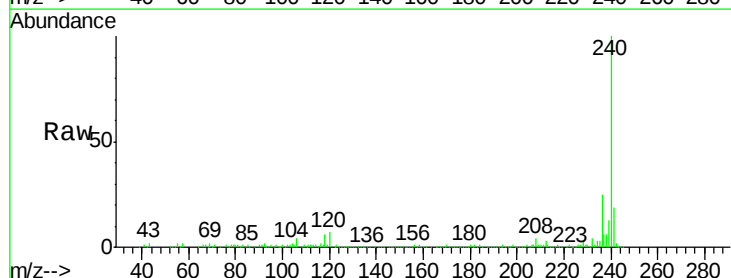
Tgt Ion:240 Resp: 241085

Ion Ratio Lower Upper

240 100

120 6.6 16.2 24.2#

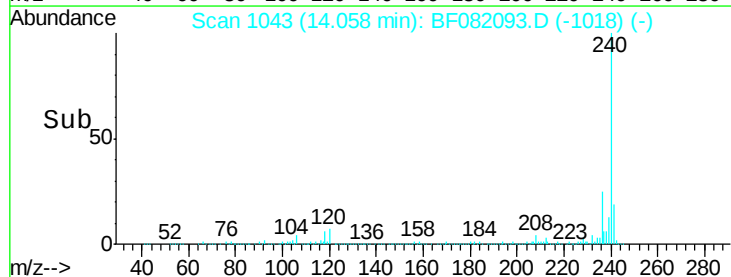
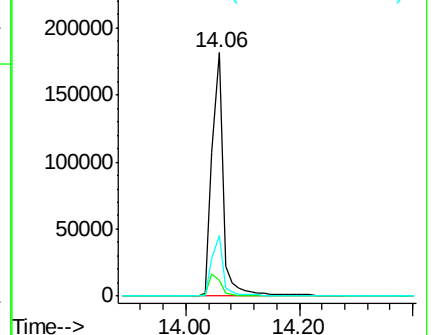
236 25.1 18.4 27.6

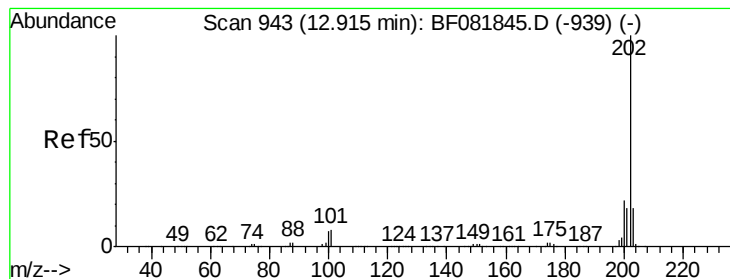


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.34 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-01

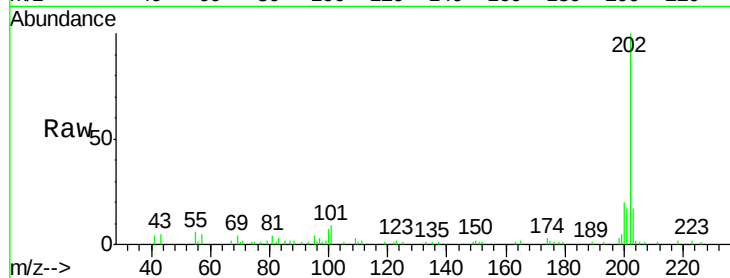
Tot Ion:202 Resp: 48094

Ion Ratio Lower Upper

202 100

200 20.0 15.0 22.4

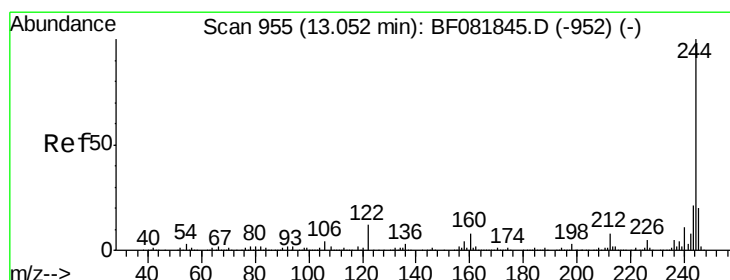
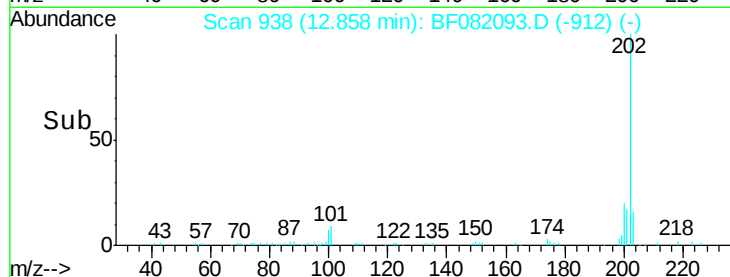
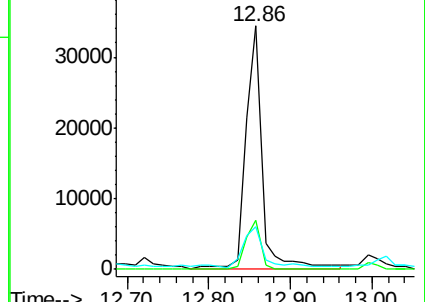
203 17.3 14.1 21.1



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: 90.76 ng

RT: 12.99 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

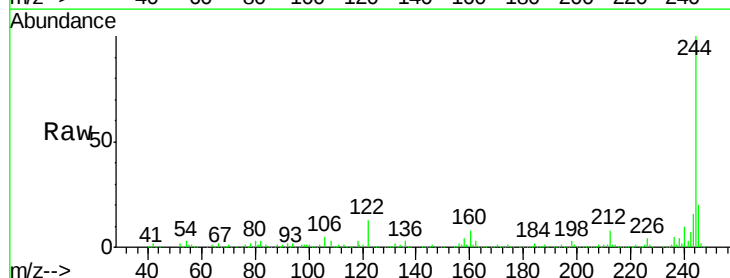
Tgt Ion:244 Resp: 664868

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

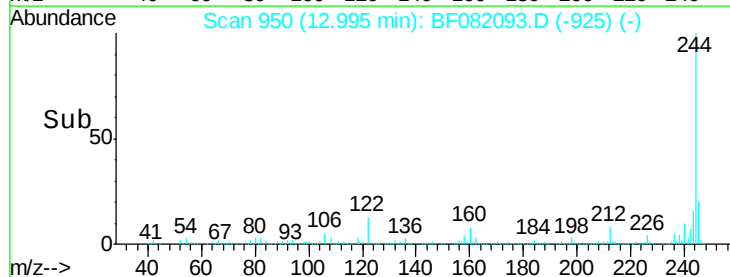
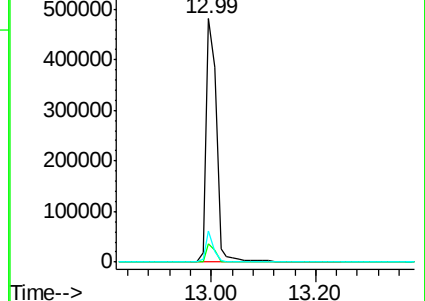
122 12.9 17.4 26.2#

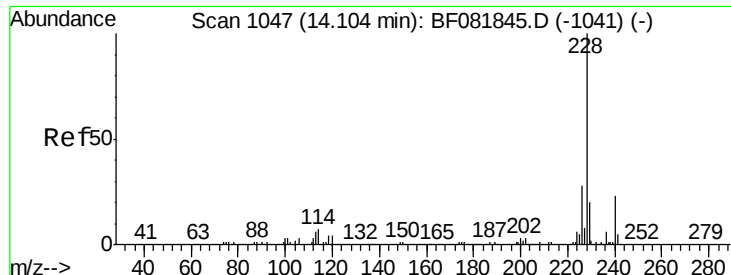


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.05 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-01

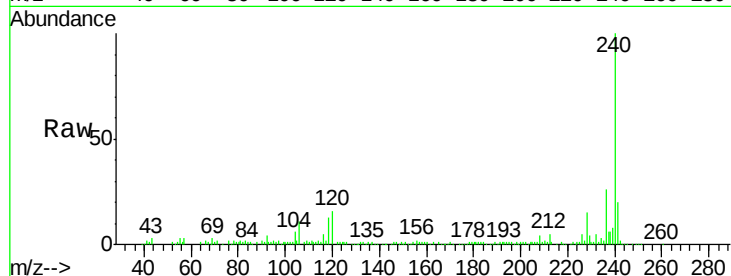
Tot Ion:228 Resp: 26676

Ion Ratio Lower Upper

228 100

226 31.7 20.0 30.0#

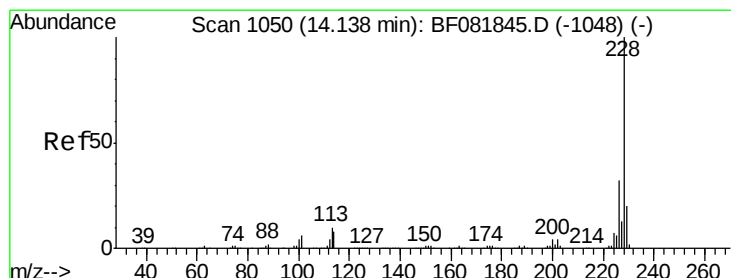
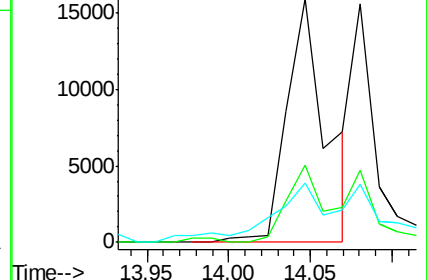
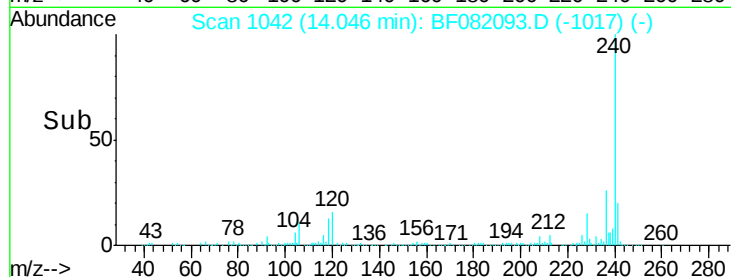
229 24.3 15.4 23.2#



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: 2.44 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

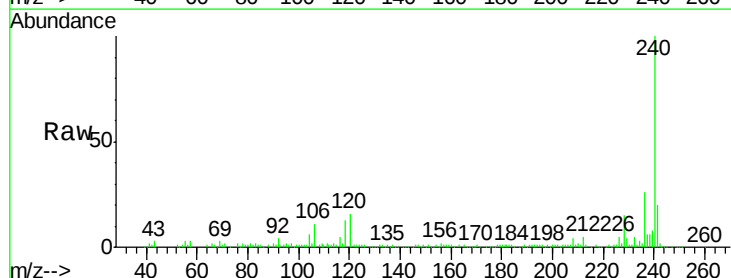
Tgt Ion:228 Resp: 26676

Ion Ratio Lower Upper

228 100

226 31.7 21.0 31.4#

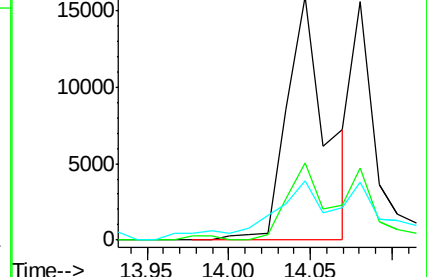
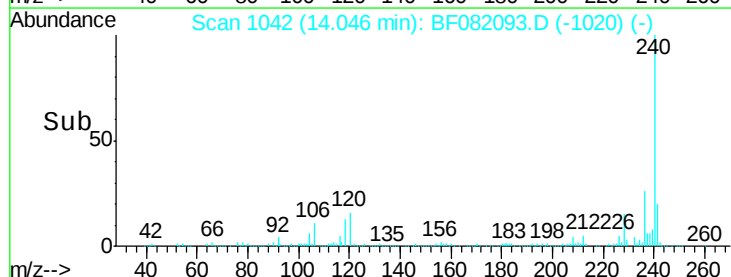
229 24.3 15.6 23.4#

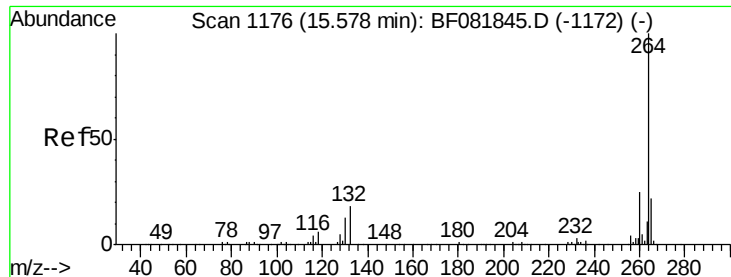


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

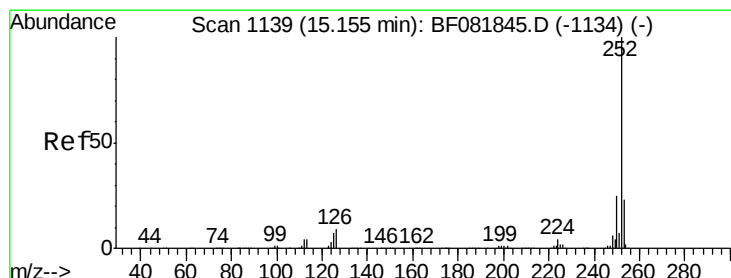
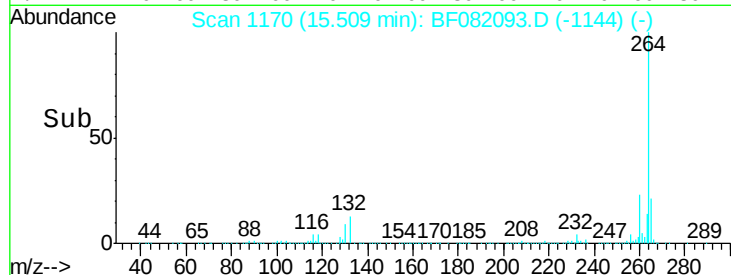
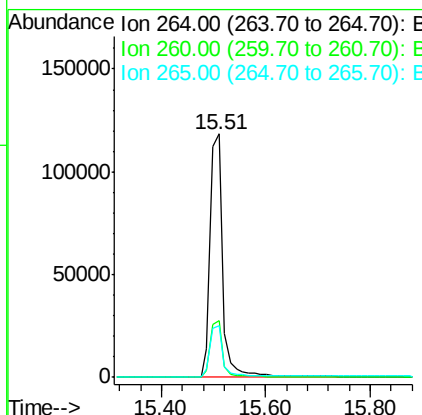
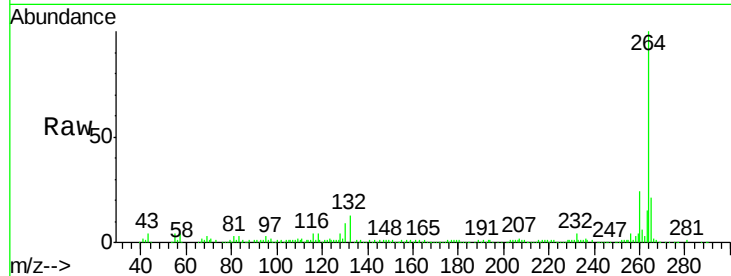




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

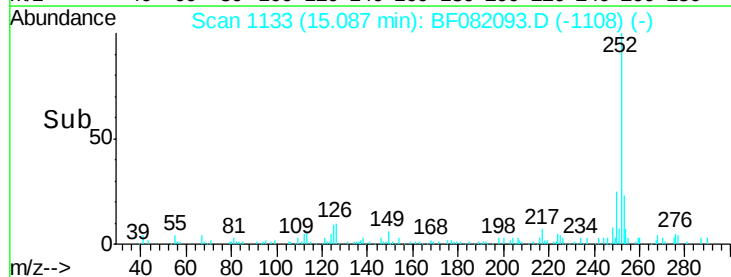
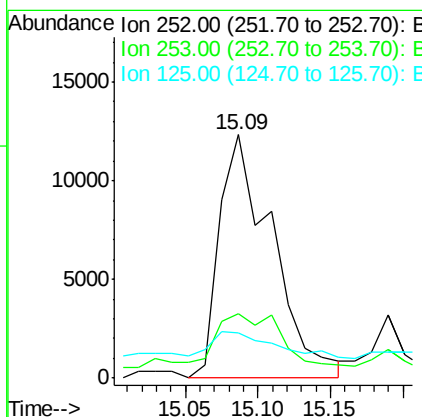
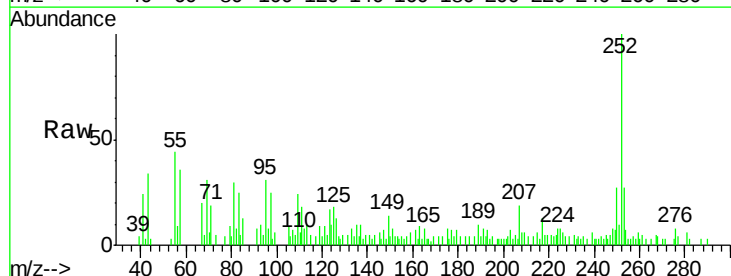
Instrument :
BNA_F
ClientSampleId :
IM-MLA-DGA-01

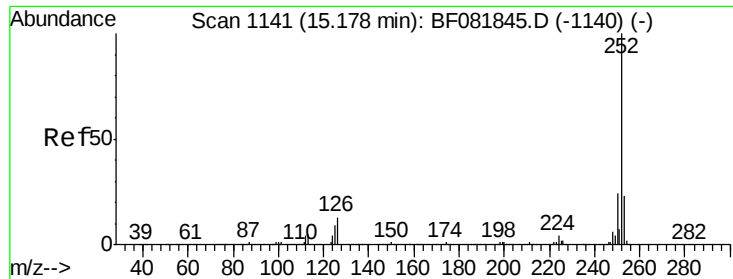
Tot Ion:264 Resp: 202726
Ion Ratio Lower Upper
264 100
260 23.5 16.7 25.1
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.69 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF082093.D
Acq: 6 Oct 2015 19:42

Tgt Ion:252 Resp: 31083
Ion Ratio Lower Upper
252 100
253 26.6 17.5 26.3#
125 18.4 17.1 25.7





#88

Benzo(k)fluoranthene

Concen: 2.93 ng

RT: 15.09 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF082093.D

Acq: 6 Oct 2015 19:42

Instrument :

BNA_F

ClientSampleId :

IM-MLA-DGA-01

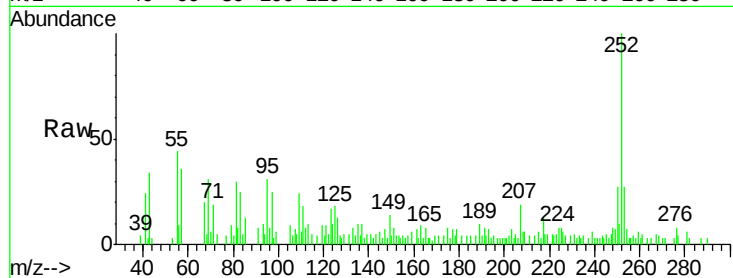
Tot Ion:252 Resp: 31083

Ion Ratio Lower Upper

252 100

253 26.6 17.0 25.4#

125 18.4 16.0 24.0



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

