

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082089.D
 Acq On : 6 Oct 2015 17:39
 Operator : UM/IZ
 Sample : G3906-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-01)

Quant Time: Oct 07 02:05:22 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

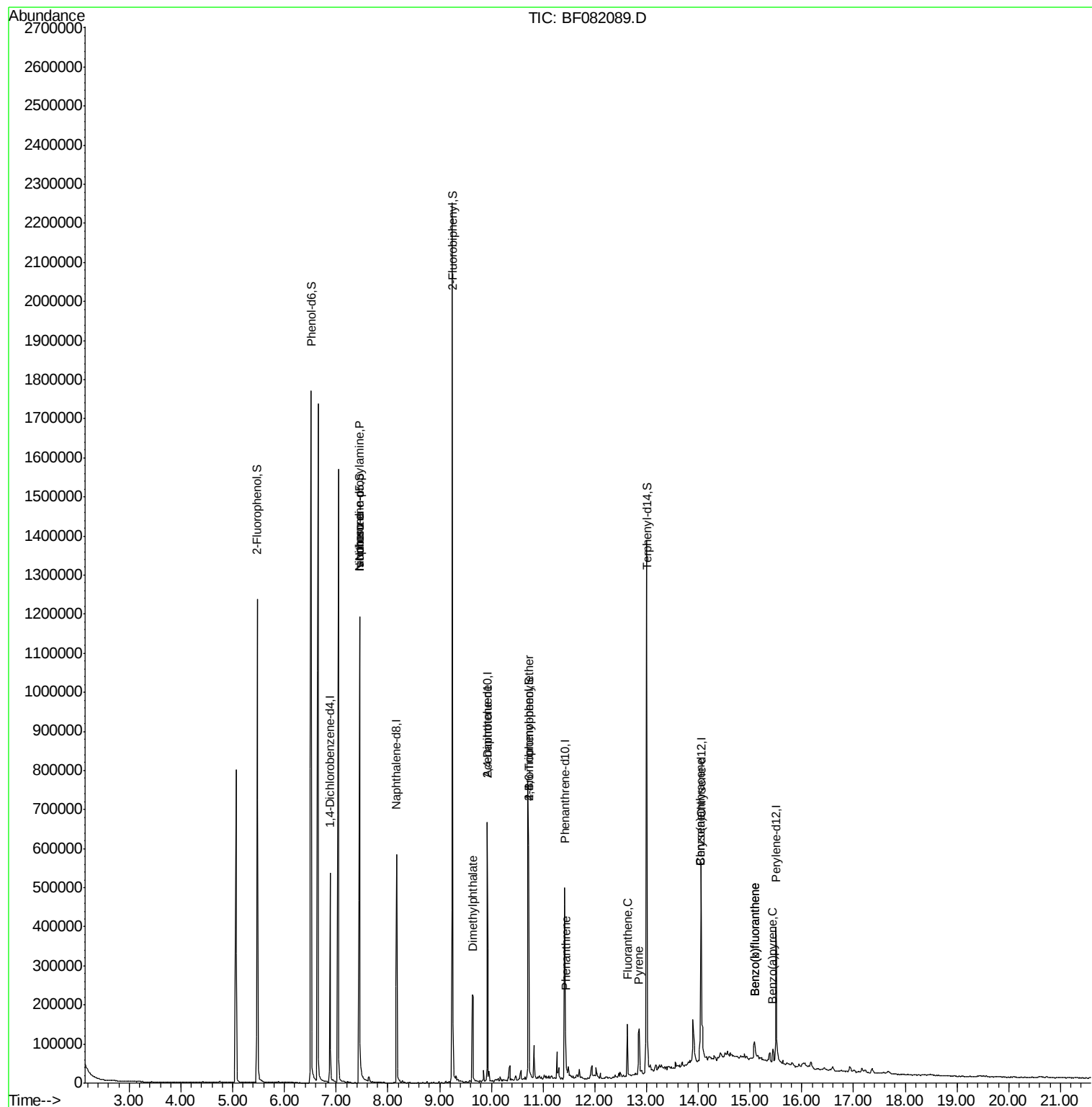
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	86207	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	337652	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	160686	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	307545	20.00	ng	0.00
75) Chrysene-d12	14.06	240	256939	20.00	ng	-0.01
86) Perylene-d12	15.50	264	211940	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	446633	94.05	ng	0.00
7) Phenol-d6	6.51	99	725935	121.48	ng	0.00
23) Nitrobenzene-d5	7.45	82	473859	93.55	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	141731	87.09	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	717117	72.59	ng	0.00
78) Terphenyl-d14	13.01	244	684626	86.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	61770	17.01	ng	# 55
25) Isophorone	7.45	82	355284	35.39	ng	# 58
49) Dimethylphthalate	9.65	163	153133	13.81	ng	# 97
56) 2,4-Dinitrotoluene	9.92	165	19987	6.51	ng	# 31
57) Fluorene	10.47	166	3541	Below	Cal	# 93
66) 4-Bromophenyl-phenylether	10.72	248	8570	2.76	ng	# 1
70) Phenanthrene	11.44	178	57354	2.29	ng	# 98
73) Di-n-butylphthalate	11.98	149	3274	Below	Cal	# 92
74) Fluoranthene	12.63	202	87639	5.32	ng	# 86
77) Pyrene	12.86	202	79360	5.17	ng	# 99
80) Benzo(a)anthracene	14.05	228	39833	2.88	ng	# 94
82) Chrysene	14.05	228	39833	3.06	ng	# 96
87) Benzo(b)fluoranthene	15.09	252	39672	3.28	ng	# 90
88) Benzo(k)fluoranthene	15.09	252	39672	3.58	ng	# 90
89) Benzo(a)pyrene	15.44	252	21189	2.02	ng	# 90

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082089.D
Acq On : 6 Oct 2015 17:39
Operator : UM/IZ
Sample : G3906-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

Quant Time: Oct 07 02:05:22 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



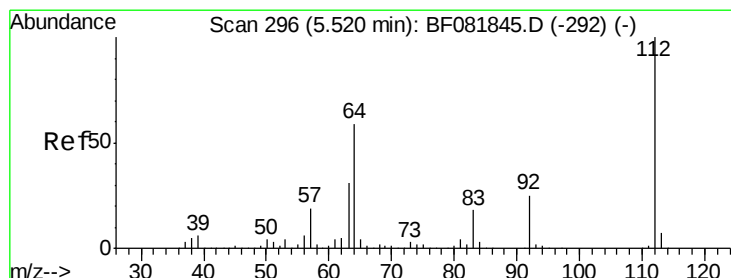
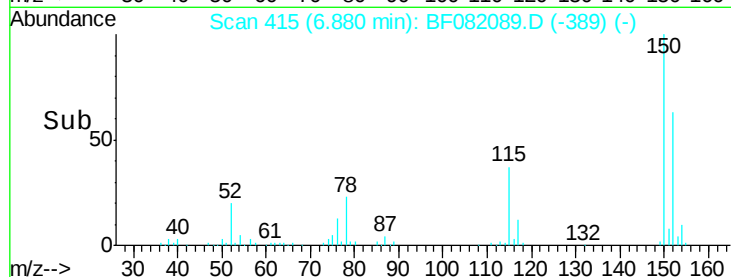
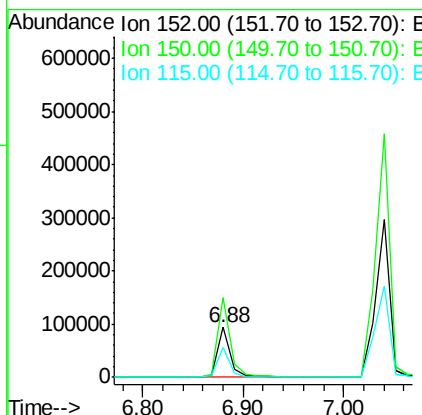
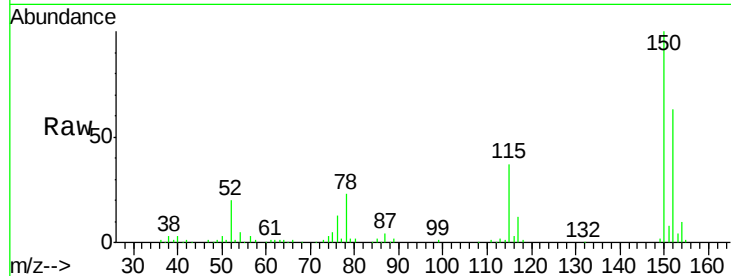


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

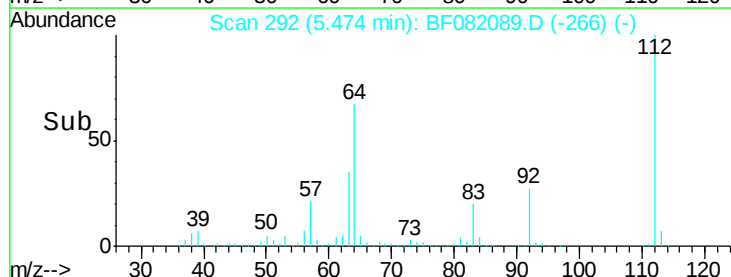
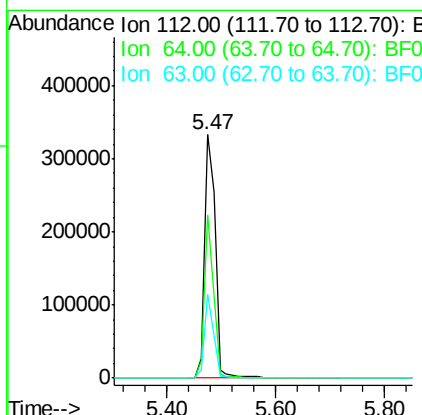
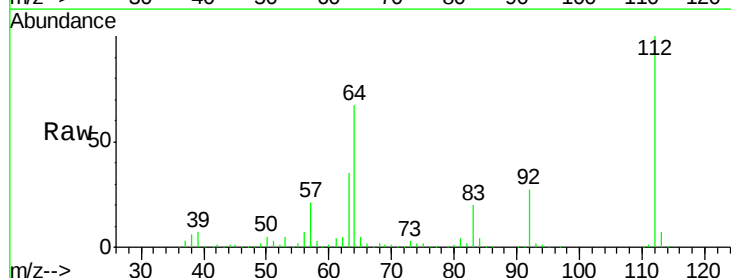
Tot Ion:152 Resp: 86207
Ion Ratio Lower Upper
152 100
150 158.2 124.7 187.1
115 58.3 39.0 58.4

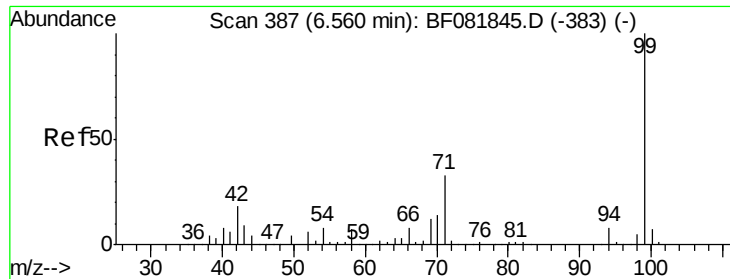


#5

2-Fluorophenol
Concen: 94.05 ng
RT: 5.47 min Scan# 292
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Tgt Ion:112 Resp: 446633
Ion Ratio Lower Upper
112 100
64 66.7 39.7 59.5#
63 34.6 17.4 26.0#





#7

Phenol-d6

Concen: 121.48 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

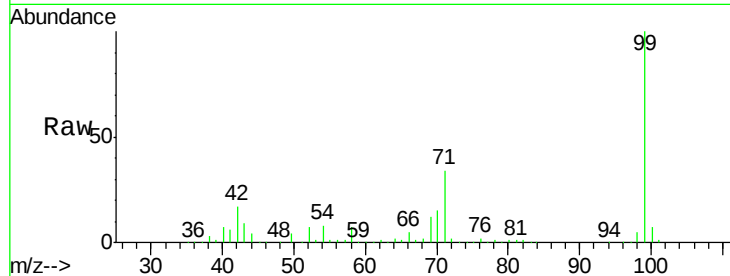
Tot Ion: 99 Resp: 725935

Ion Ratio Lower Upper

99 100

42 17.5 13.7 20.5

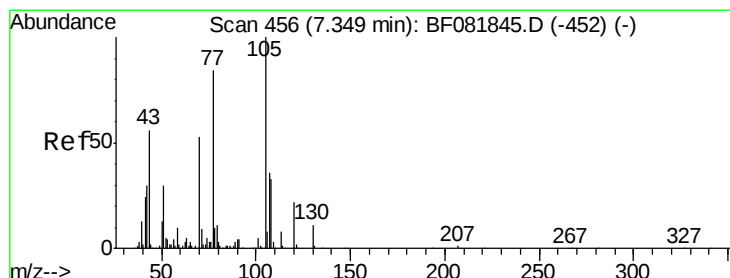
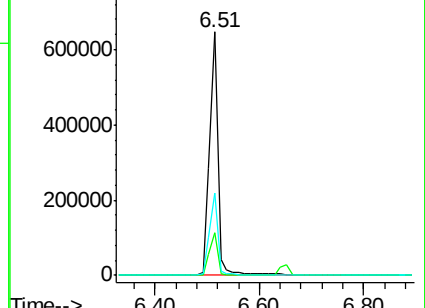
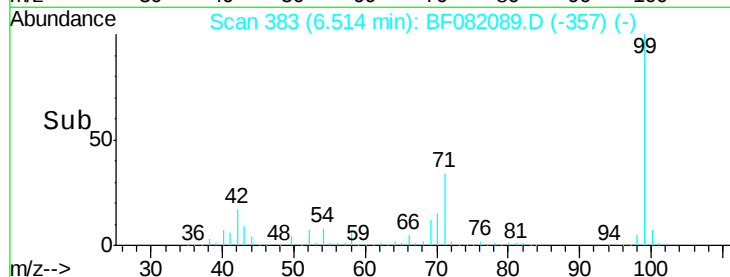
71 34.0 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.01 ng

RT: 7.45 min Scan# 465

Delta R.T. 0.15 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Tgt Ion: 70 Resp: 61770

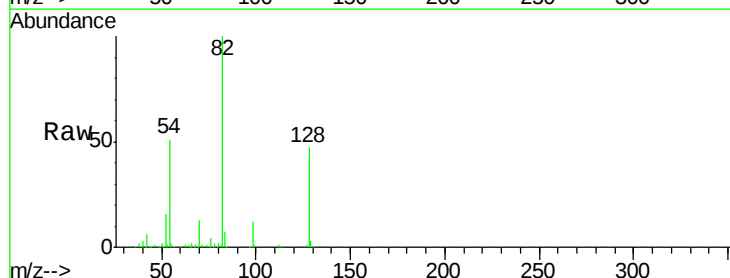
Ion Ratio Lower Upper

70 100

42 42.1 63.8 95.6#

101 0.0 9.2 13.8#

130 2.3 27.3 40.9#

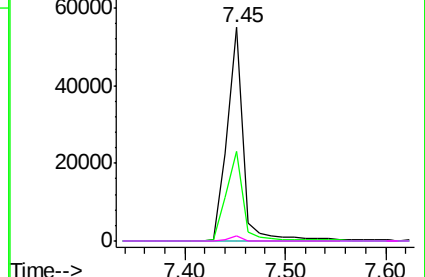
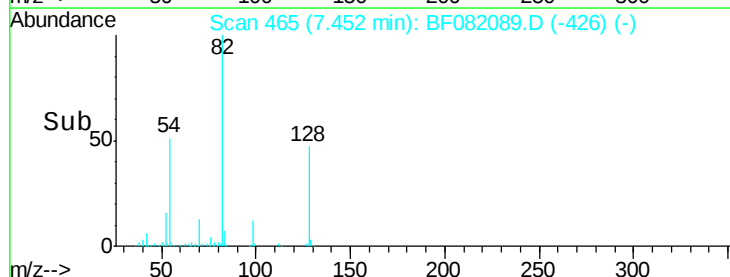


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

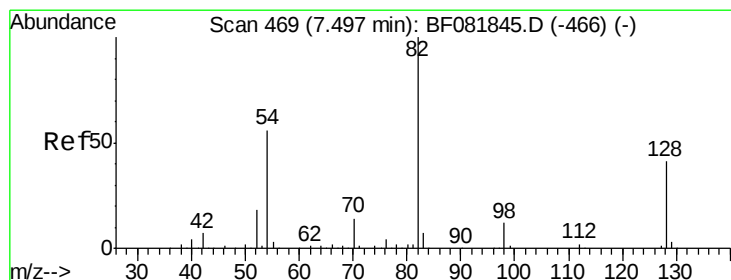
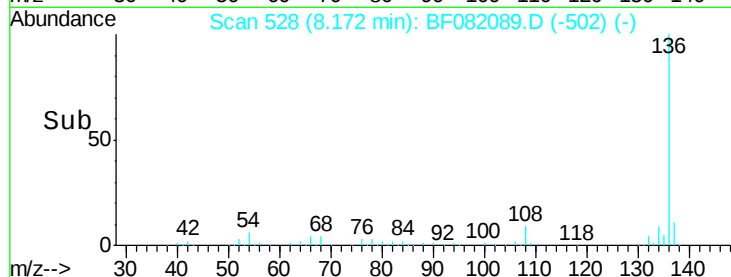
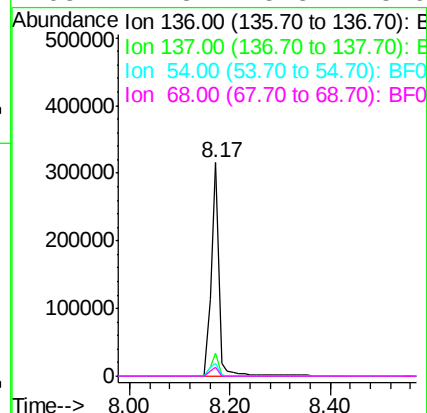
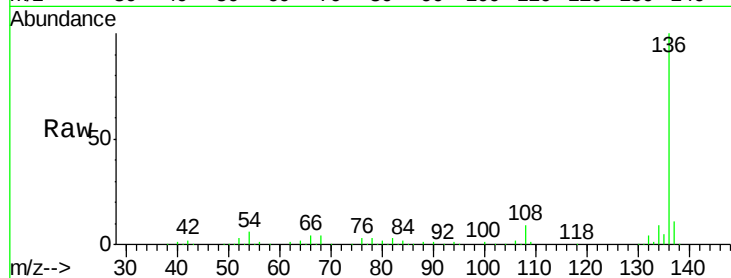




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

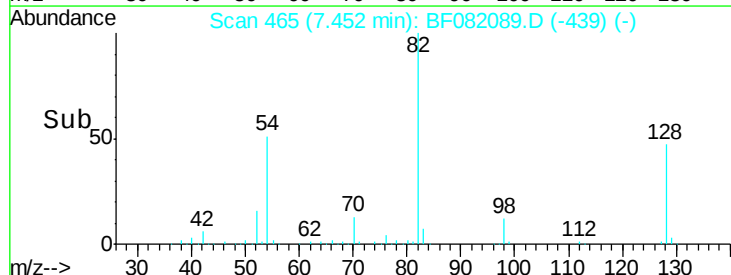
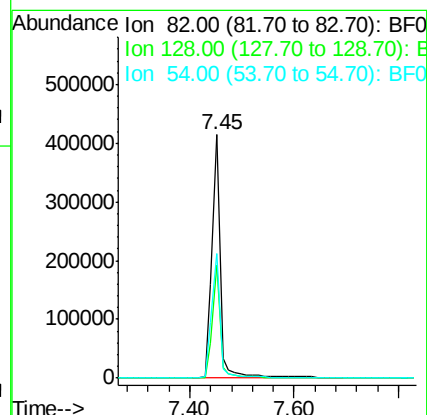
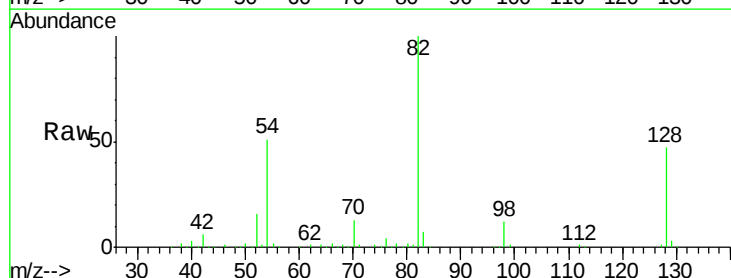
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

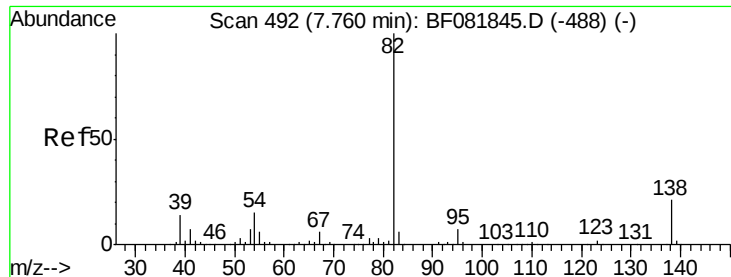
Tot Ion:	136	Resp:	337652
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	6.0	8.2	12.2#
68	4.3	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 93.55 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Tgt Ion:	82	Resp:	473859
Ion	Ratio	Lower	Upper
82	100		
128	46.6	51.0	76.6#
54	51.1	47.5	71.3





#25

Isophorone

Concen: 35.39 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

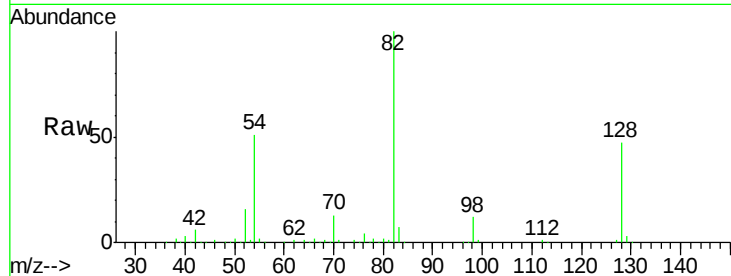
Tot Ion: 82 Resp: 355284

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

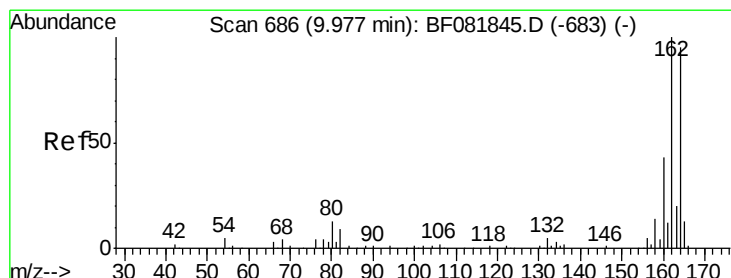
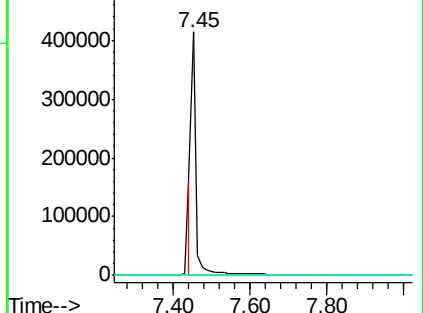
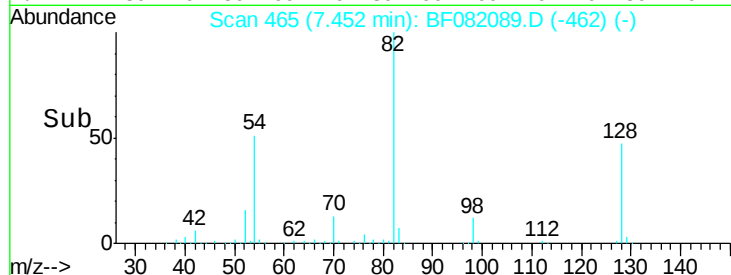
138 0.0 18.3 27.5#



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: BF082089.D

Acq: 6 Oct 2015 17:39

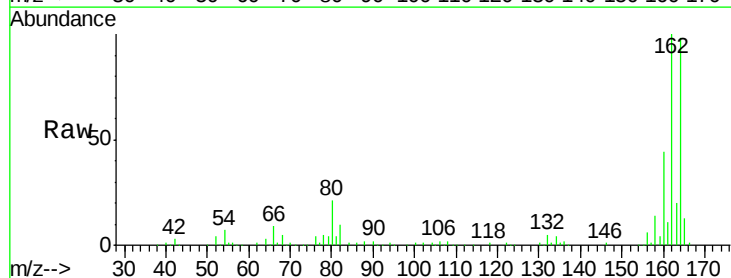
Tgt Ion:164 Resp: 160686

Ion Ratio Lower Upper

164 100

162 102.0 75.2 112.8

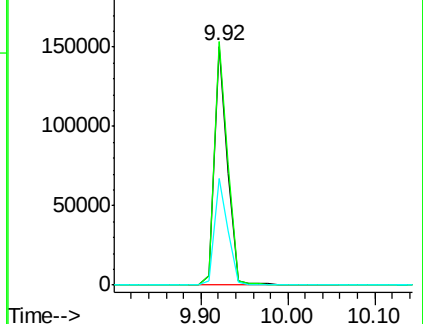
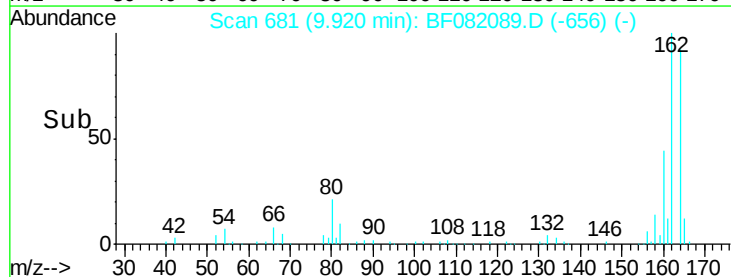
160 44.5 31.5 47.3

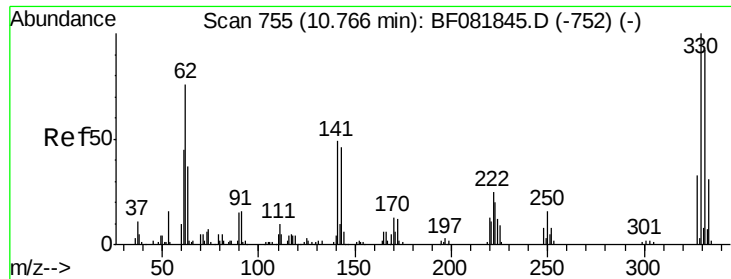


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

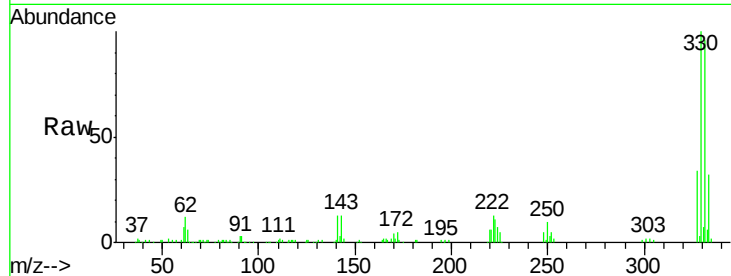




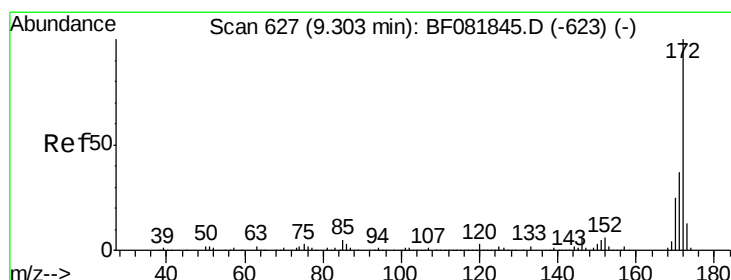
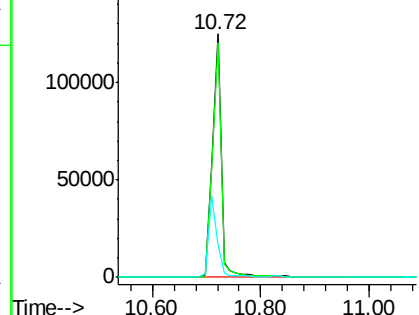
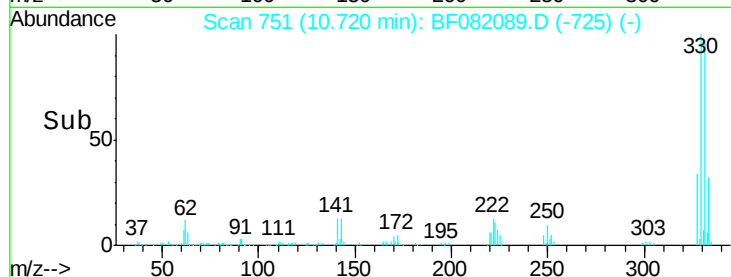
#41
 2,4,6-Tribromophenol
 Concen: 87.09 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082089.D
 Acq: 6 Oct 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-01)

Tot Ion:330 Resp: 141731
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 31.9 29.7 44.5

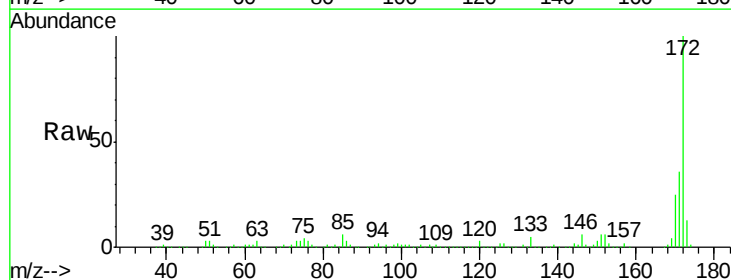


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

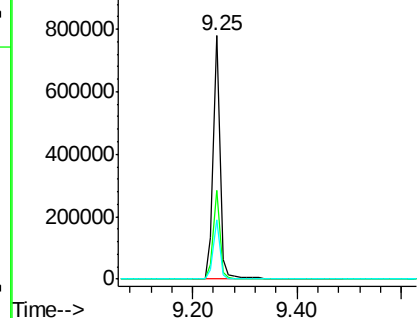
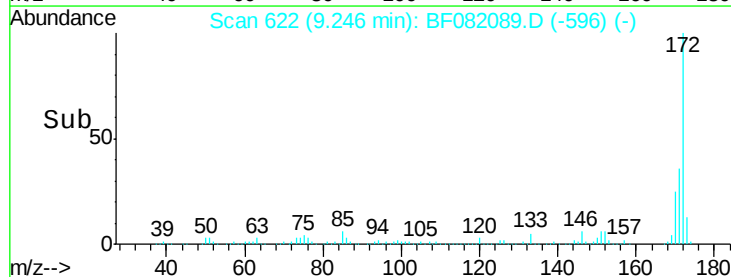


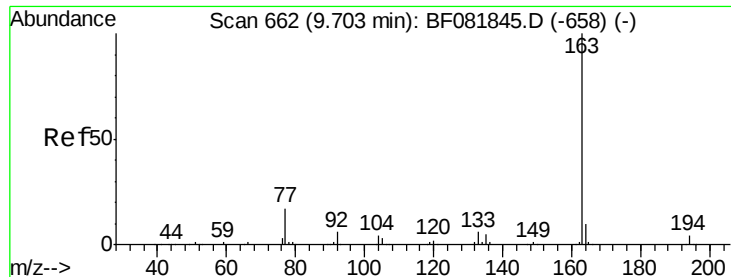
#44
 2-Fluorobiphenyl
 Concen: 72.59 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082089.D
 Acq: 6 Oct 2015 17:39

Tgt Ion:172 Resp: 717117
 Ion Ratio Lower Upper
 172 100
 171 36.3 26.1 39.1
 170 24.6 17.4 26.2



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

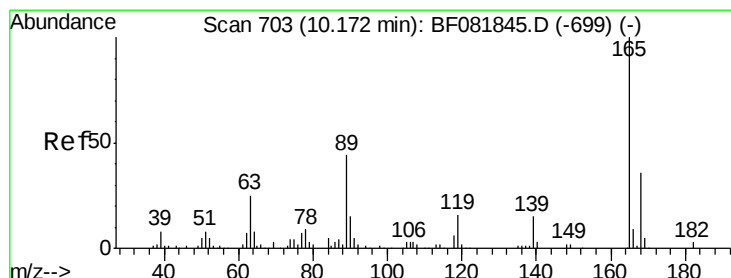
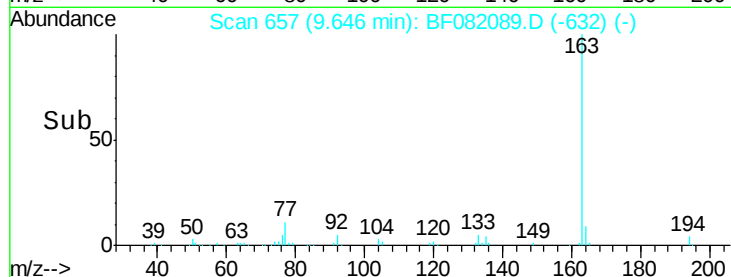
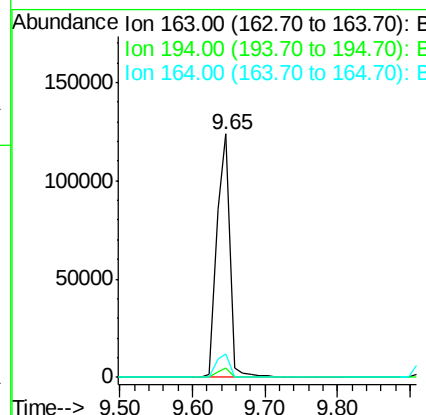
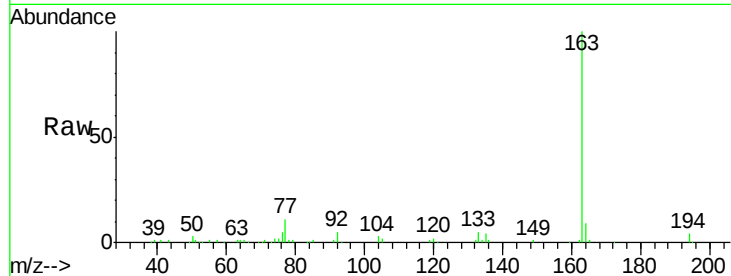




#49
Dimethylphthalate
Concen: 13.81 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

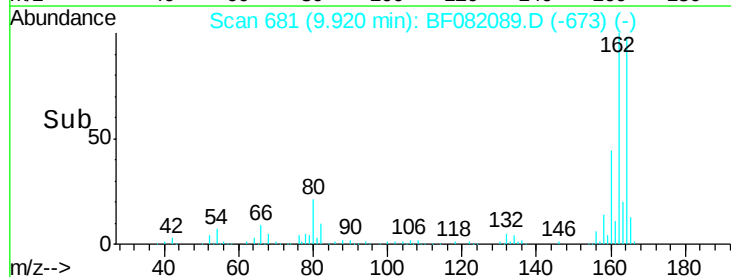
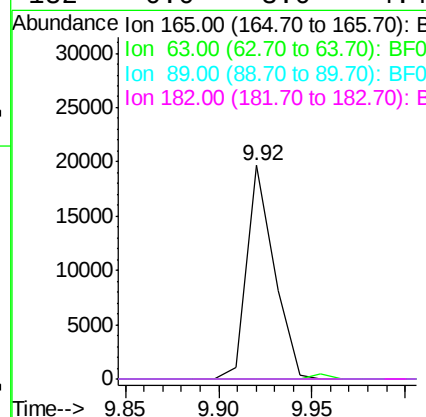
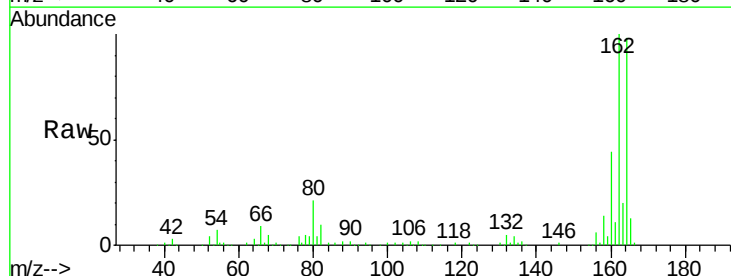
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

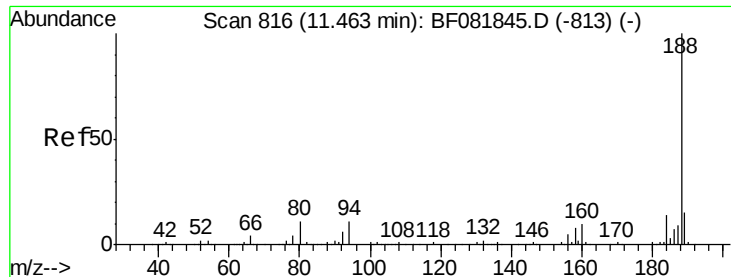
Tot Ion:163 Resp: 153133
Ion Ratio Lower Upper
163 100
194 4.0 4.4 6.6#
164 9.4 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.21 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Tgt Ion:165 Resp: 19987
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#

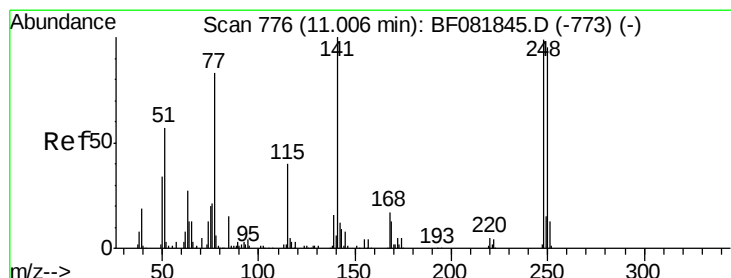
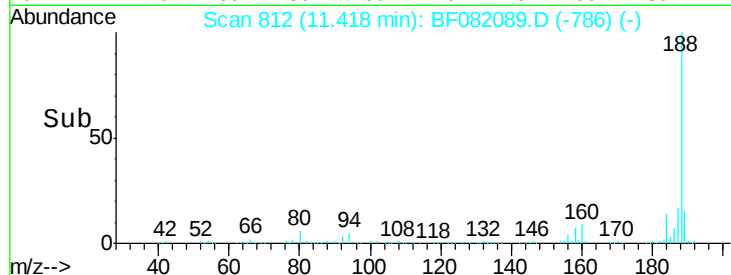
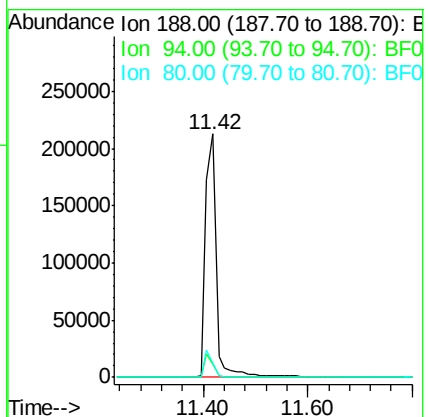
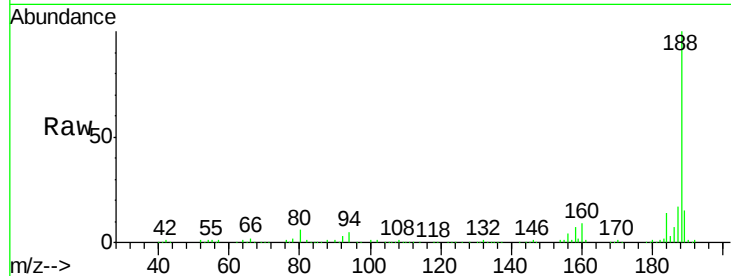




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

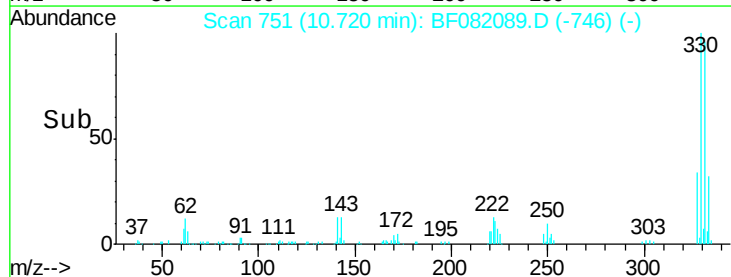
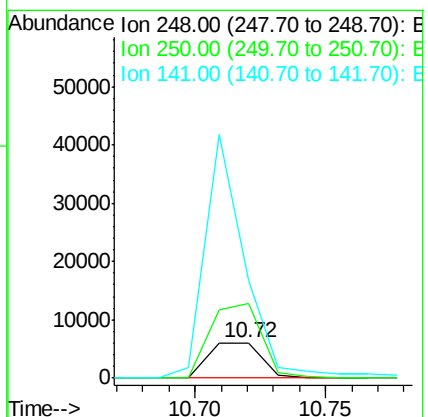
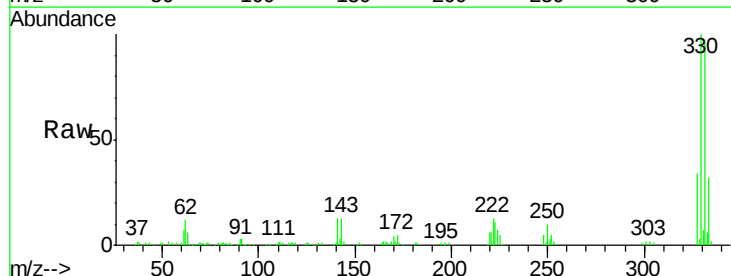
Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

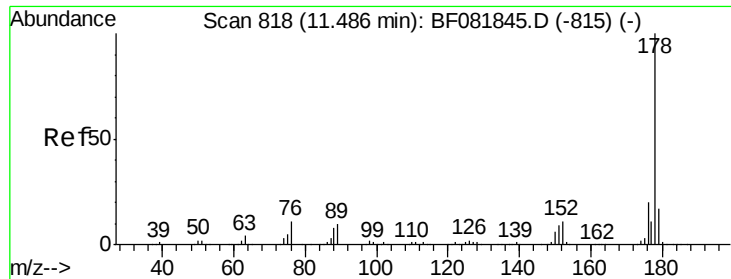
Tot Ion:188 Resp: 307545
Ion Ratio Lower Upper
188 100
94 5.4 11.1 16.7#
80 5.9 11.0 16.4#



#66
4-Bromophenyl-phenylether
Concen: 2.76 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Tgt Ion:248 Resp: 8570
Ion Ratio Lower Upper
248 100
250 210.9 78.5 117.7#
141 276.0 59.0 88.6#

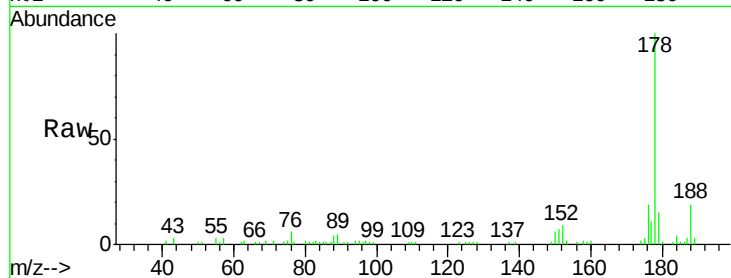




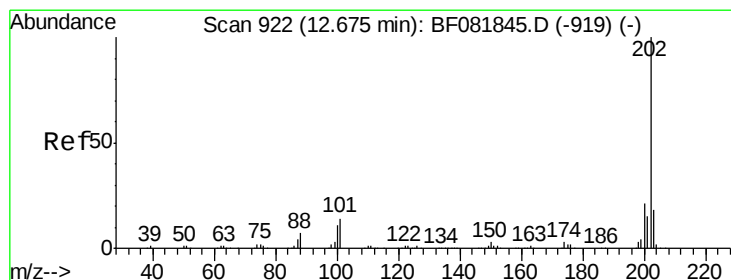
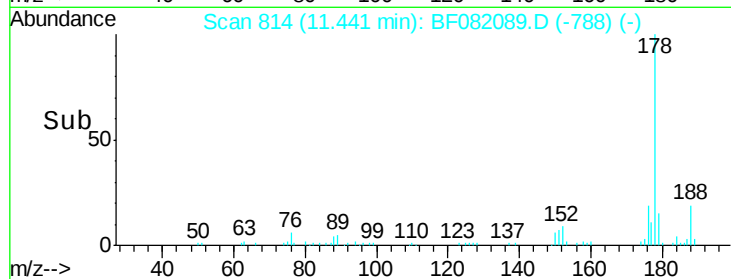
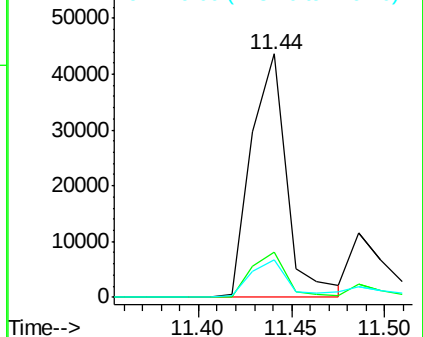
#70
Phenanthrene
Concen: 2.29 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(2.5-01)

Tot Ion:178 Resp: 57354
Ion Ratio Lower Upper
178 100
176 18.7 13.8 20.8
179 15.2 12.2 18.2

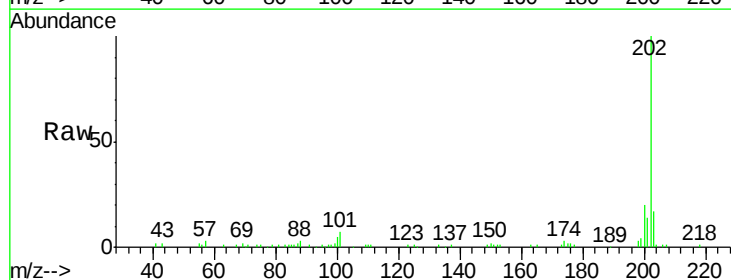


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

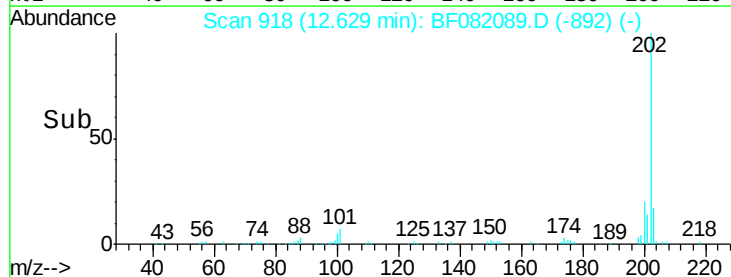
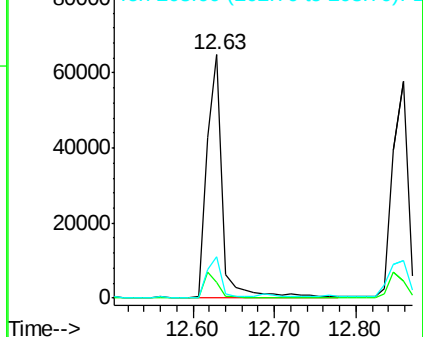


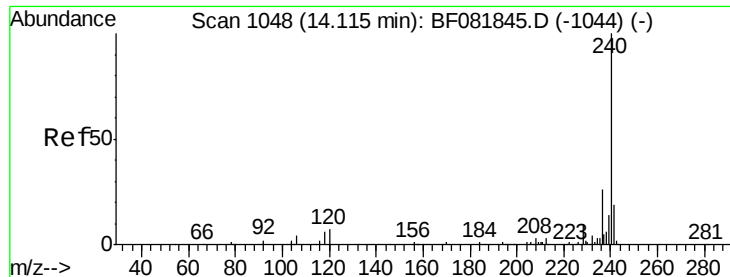
#74
Fluoranthene
Concen: 5.32 ng
RT: 12.63 min Scan# 918
Delta R.T. -0.00 min
Lab File: BF082089.D
Acq: 6 Oct 2015 17:39

Tgt Ion:202 Resp: 87639
Ion Ratio Lower Upper
202 100
101 6.7 0.0 38.3
203 17.2 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: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

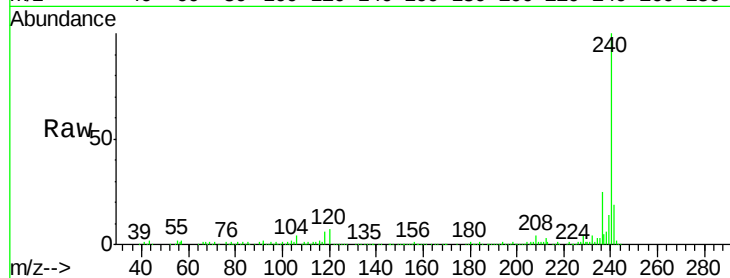
Tot Ion:240 Resp: 256939

Ion Ratio Lower Upper

240 100

120 6.5 16.2 24.2#

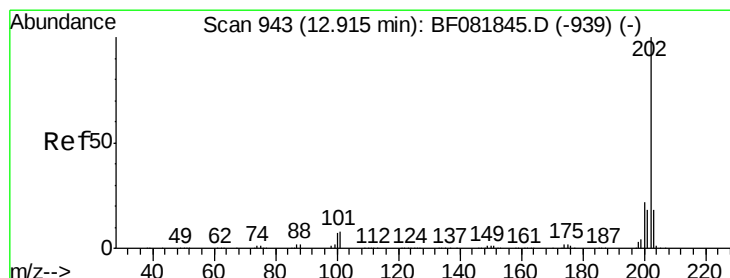
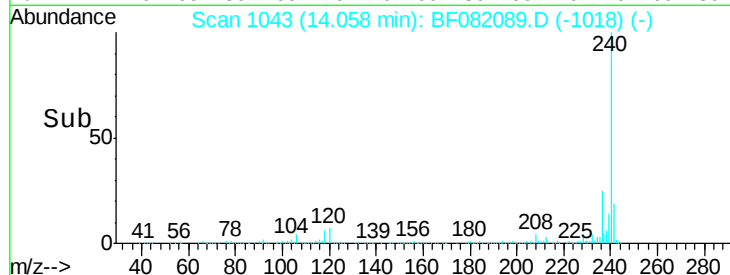
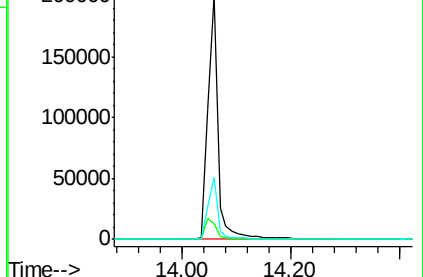
236 25.2 18.4 27.6



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

Pyrene

Concen: 5.17 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

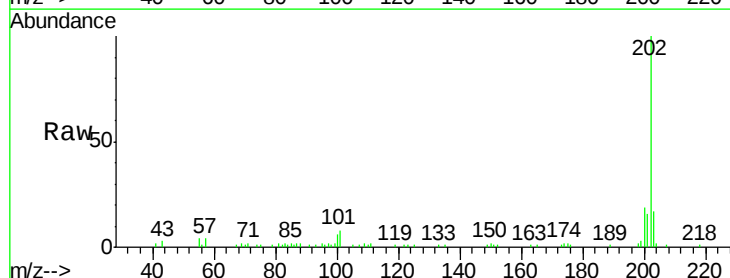
Tgt Ion:202 Resp: 79360

Ion Ratio Lower Upper

202 100

200 19.5 15.0 22.4

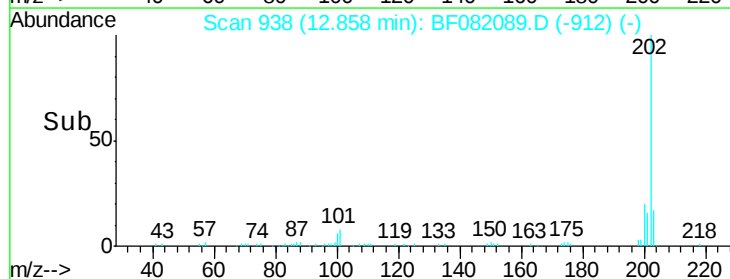
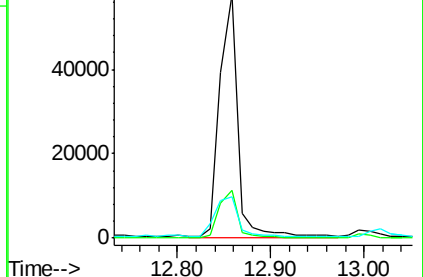
203 17.2 14.1 21.1

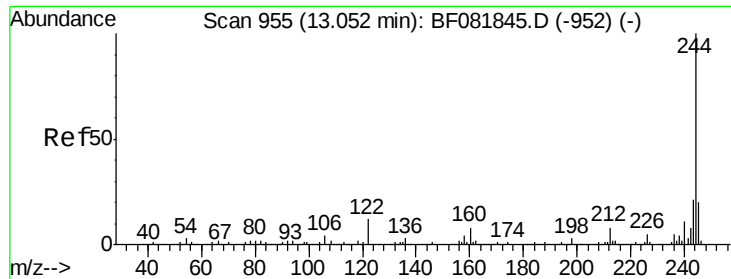


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

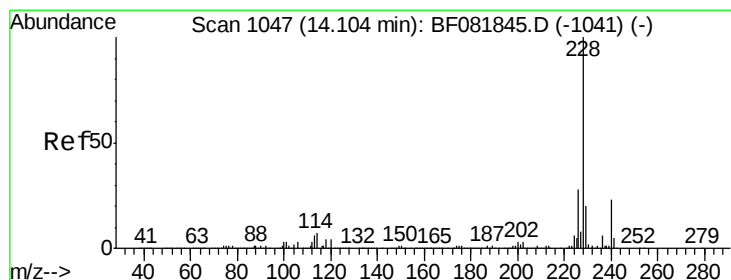
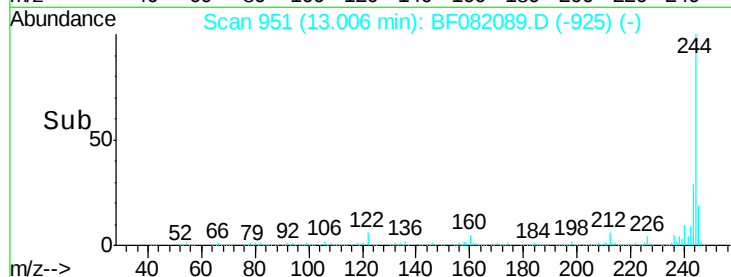
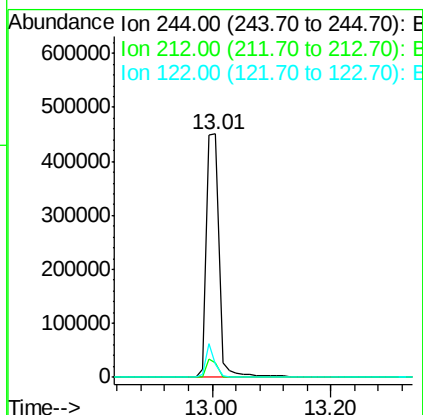
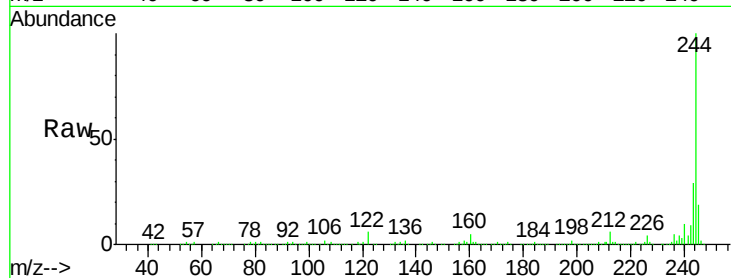




#78
 Terphenyl-d14
 Concen: 86.47 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF082089.D
 Acq: 6 Oct 2015 17:39

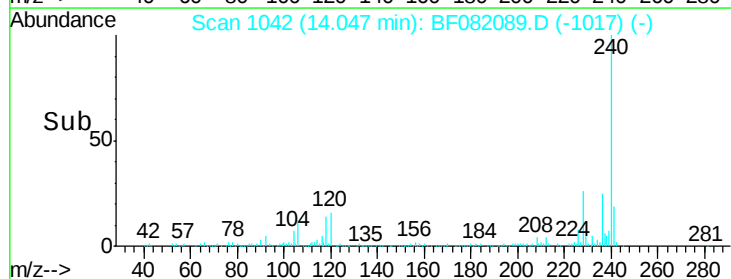
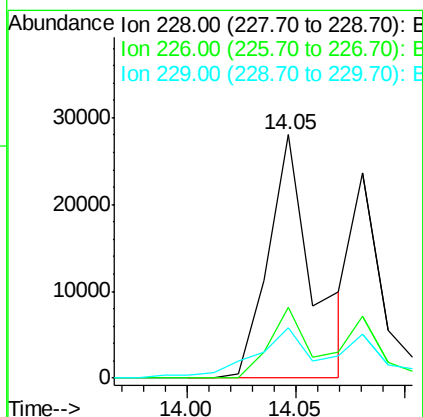
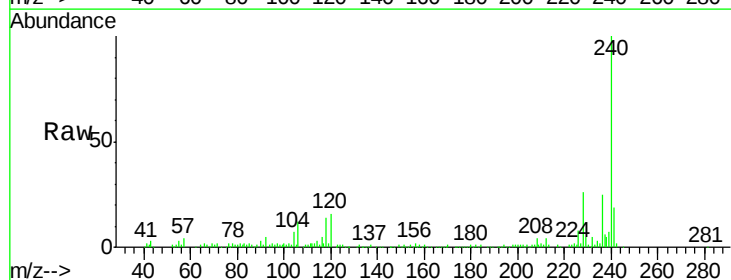
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(2.5-01)

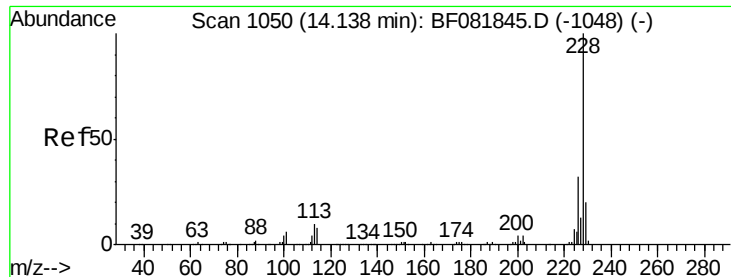
Tot Ion:244 Resp: 684626
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.3 6.5
 122 5.6 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.88 ng
 RT: 14.05 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082089.D
 Acq: 6 Oct 2015 17:39

Tgt Ion:228 Resp: 39833
 Ion Ratio Lower Upper
 228 100
 226 28.9 20.0 30.0
 229 20.5 15.4 23.2





#82

Chrysene

Concen: 3.06 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

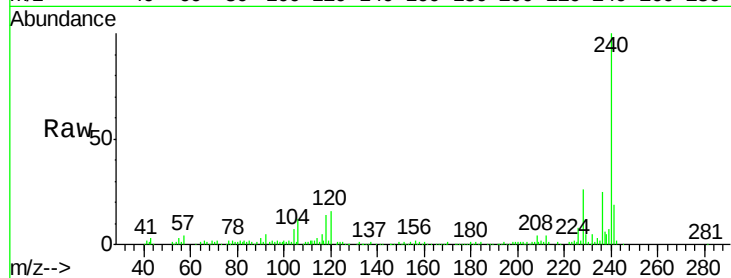
BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

Tot Ion:228 Resp: 39833

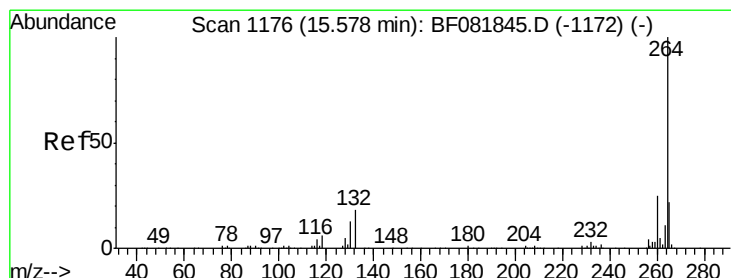
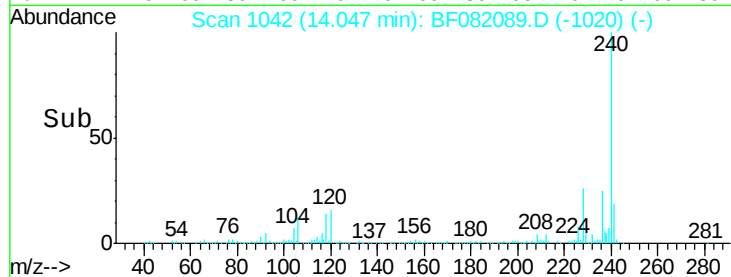
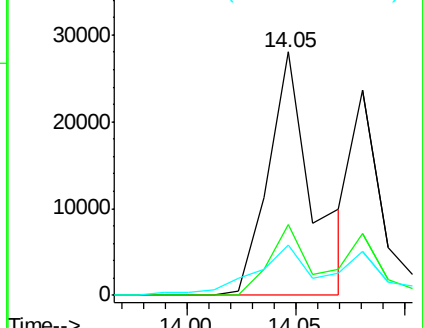
Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.0	31.4
229	20.5	15.6	23.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1169

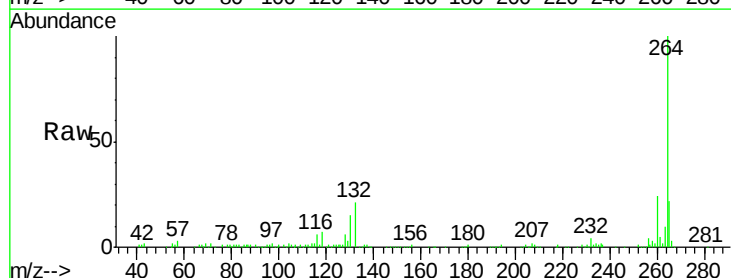
Delta R.T. -0.01 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Tgt Ion:264 Resp: 211940

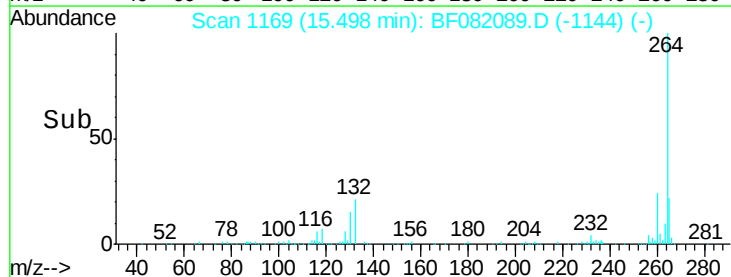
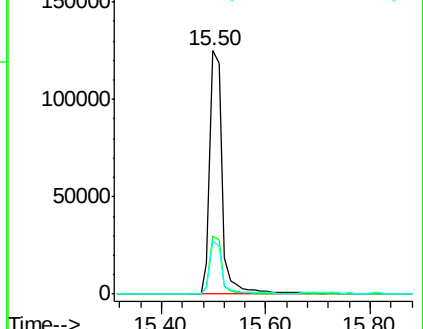
Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	21.8	17.2	25.8

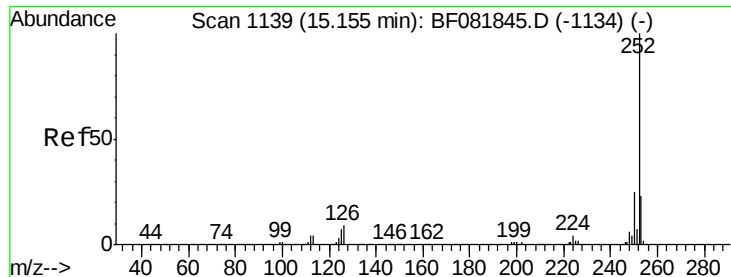


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.28 ng

RT: 15.09 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

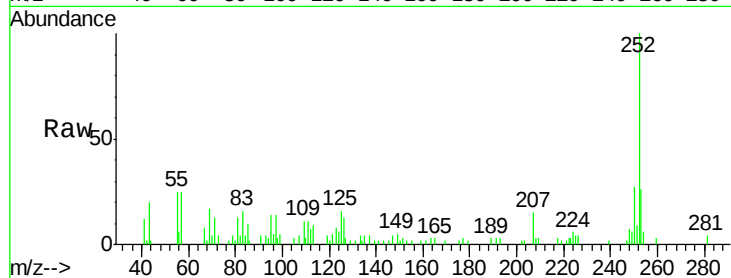
Tot Ion:252 Resp: 39672

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

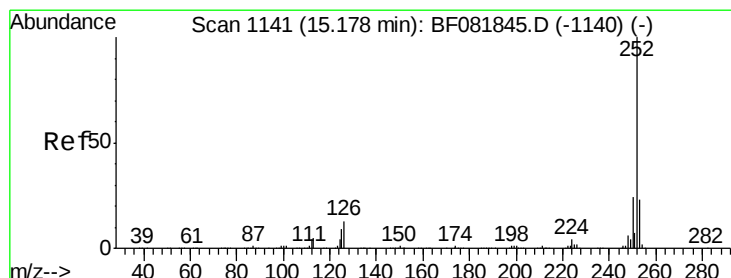
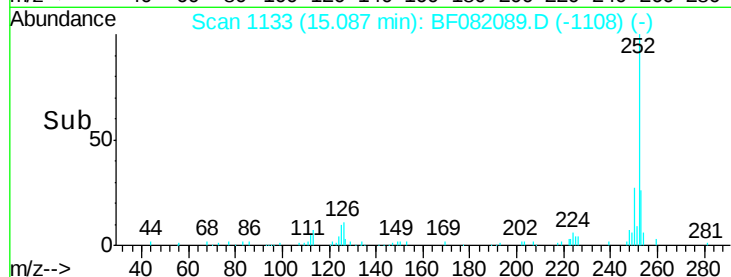
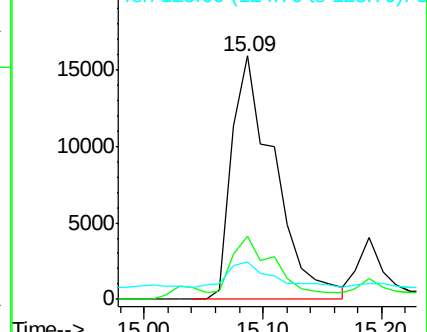
125 15.6 17.1 25.7#



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



#88

Benzo(k)fluoranthene

Concen: 3.58 ng

RT: 15.09 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

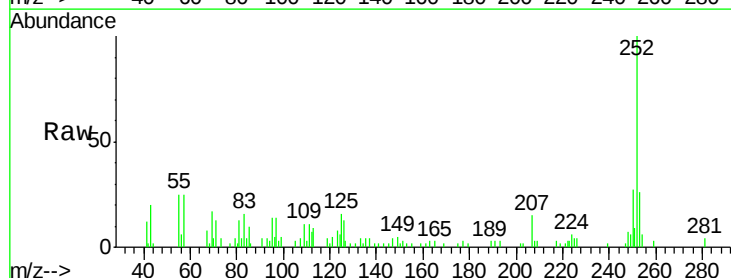
Tgt Ion:252 Resp: 39672

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.4#

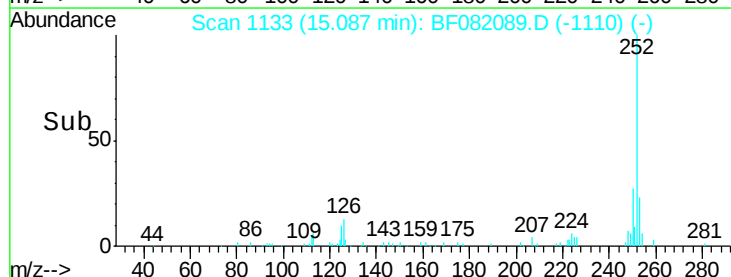
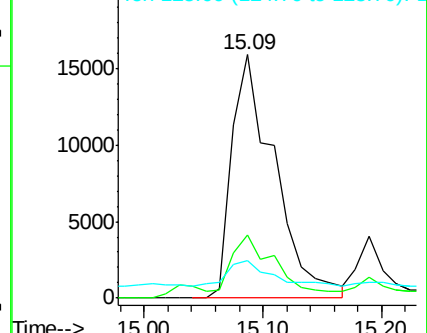
125 15.6 16.0 24.0#

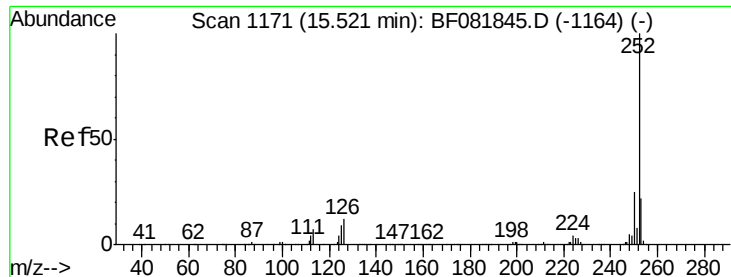


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.44 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF082089.D

Acq: 6 Oct 2015 17:39

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(2.5-01)

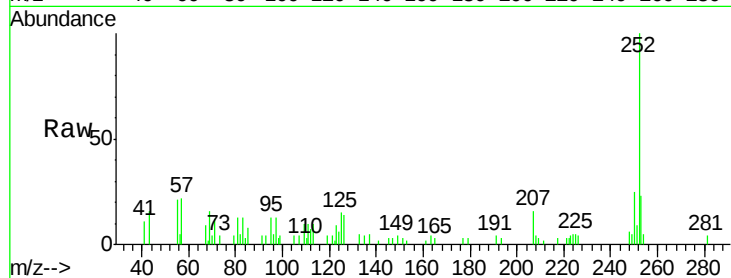
Tot Ion: 252 Resp: 21189

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 14.9 18.0 27.0#



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

