

Data Path : Z:\HPCHEM1\BNA_F\Data\BF101915\
 Data File : BF082396.D
 Acq On : 20 Oct 2015 11:43
 Operator : UM/IZ
 Sample : G4040-04RE
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Quant Time: Oct 20 14:07:02 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	91358	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	343615	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	163579	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	258133	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	210923	20.00	ng	0.01
86) Perylene-d12	15.54	264	192749	20.00	ng	0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	706152	156.00	ng	-0.02
7) Phenol-d6	6.45	99	795408	135.03	ng	-0.03
23) Nitrobenzene-d5	7.37	82	510333	99.74	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	157923	102.94	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1088059	110.31	ng	-0.03
78) Terphenyl-d14	12.94	244	746829	93.83	ng	-0.02

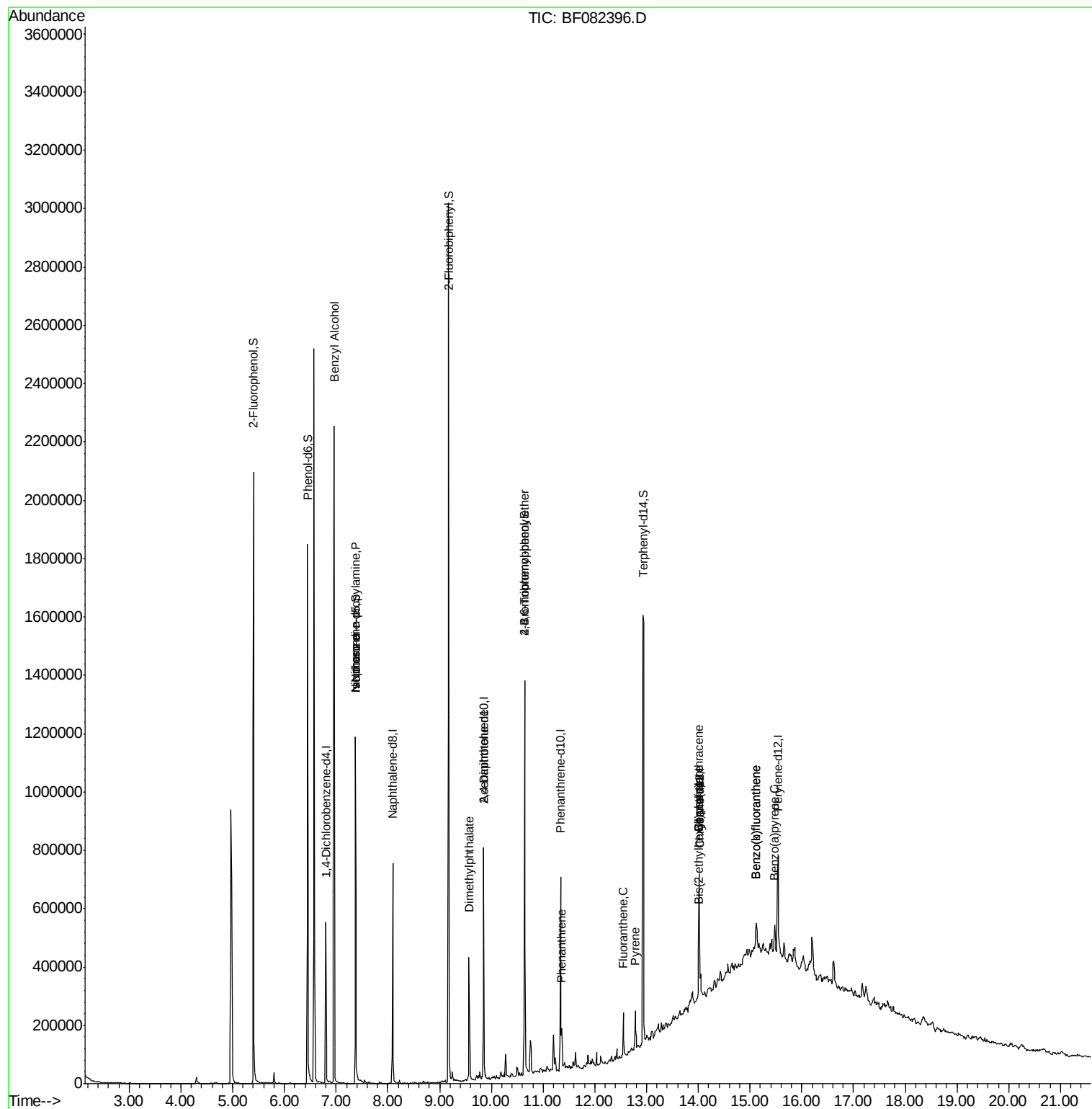
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	9748	2.40	ng	# 48
19) n-Nitroso-di-n-propylamine	7.37	70	65005	15.71	ng	# 81
25) Isophorone	7.37	82	462856	44.82	ng	# 66
49) Dimethylphthalate	9.57	163	215682	18.72	ng	99
55) 4-Nitrophenol	10.06	139	883	Below Cal		# 37
56) 2,4-Dinitrotoluene	9.85	165	20787	6.84	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	11676	4.52	ng	# 1
70) Phenanthrene	11.36	178	50604	4.00	ng	99
74) Fluoranthene	12.55	202	73530	5.41	ng	96
77) Pyrene	12.78	202	69482	5.55	ng	97
80) Benzo(a)anthracene	14.01	228	39849	3.63	ng	92
82) Chrysene	14.01	228	39849	3.45	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	31124	3.82	ng	98
87) Benzo(b)fluoranthene	15.12	252	57161	4.87	ng	# 81
88) Benzo(k)fluoranthene	15.12	252	57161	5.80	ng	# 80
89) Benzo(a)pyrene	15.48	252	30233	3.00	ng	# 79

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

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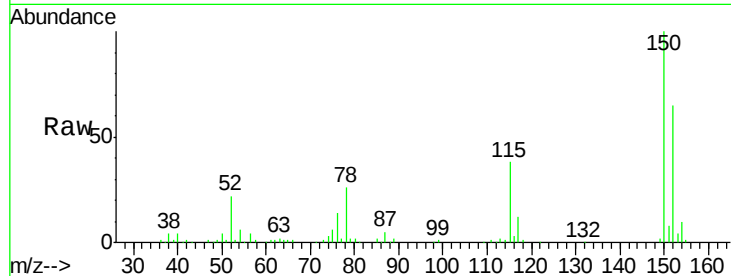




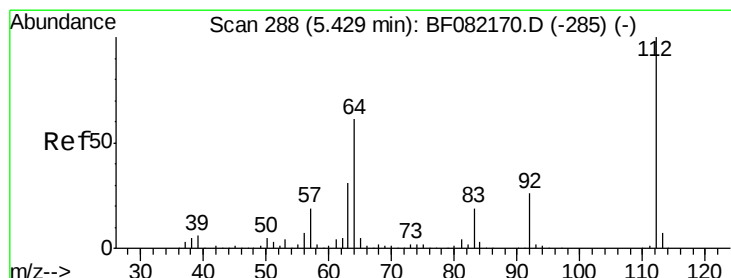
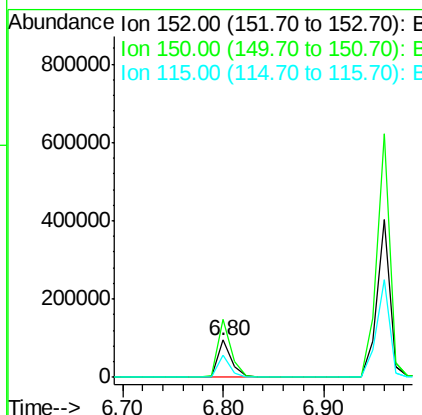
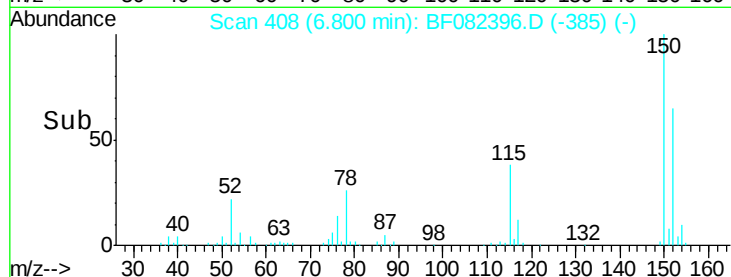
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Tgt Ion:152 Resp: 91358
 Ion Ratio Lower Upper
 152 100
 150 154.8 129.0 193.4
 115 58.5 52.1 78.1

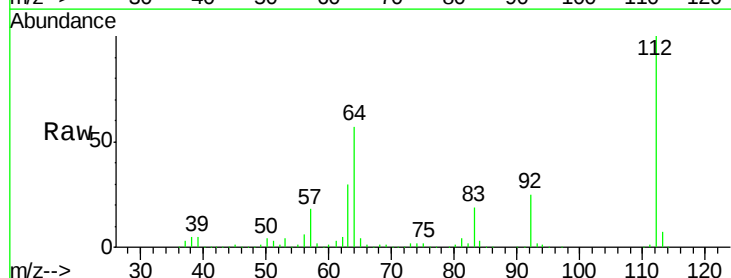


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

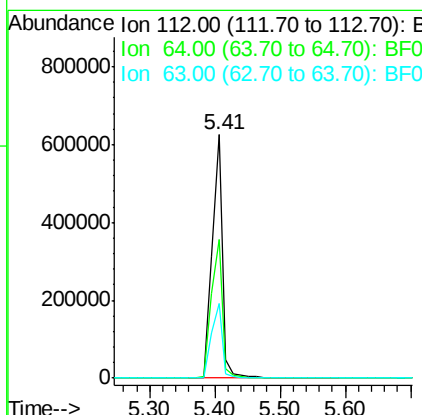
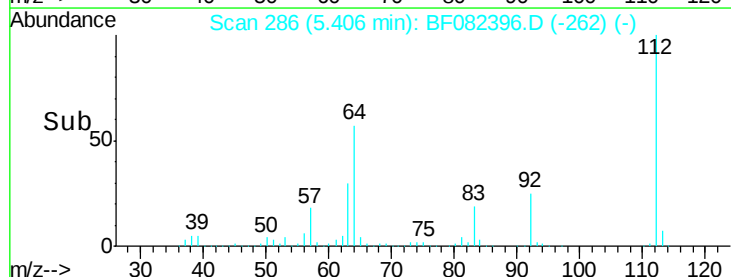


#5
 2-Fluorophenol
 Concen: 156.00 ng
 RT: 5.41 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion:112 Resp: 706152
 Ion Ratio Lower Upper
 112 100
 64 57.1 48.6 73.0
 63 30.4 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: 135.03 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

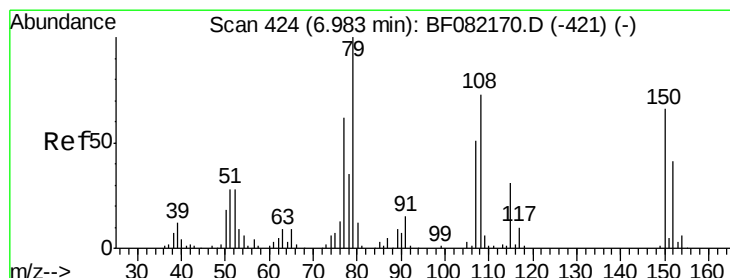
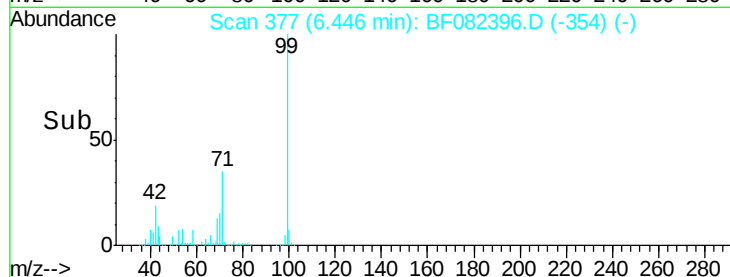
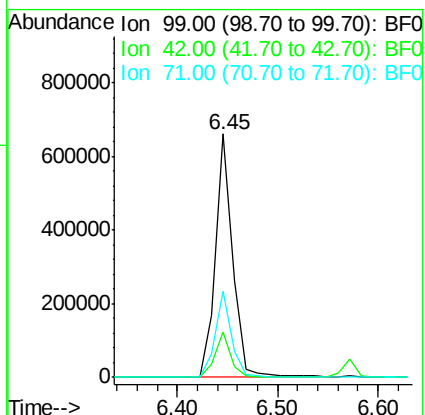
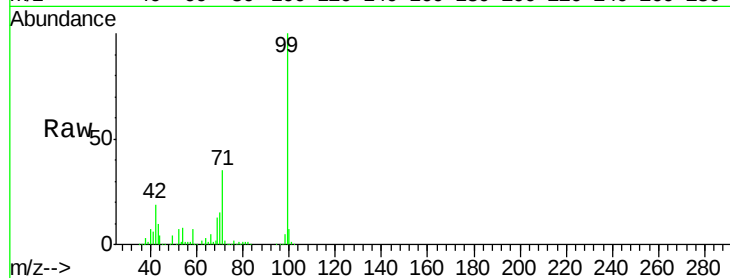
Tgt Ion: 99 Resp: 795408

Ion Ratio Lower Upper

99 100

42 18.6 13.2 19.8

71 35.2 25.6 38.4



#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 6.96 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

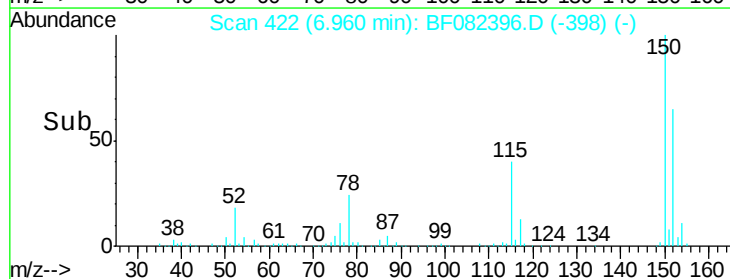
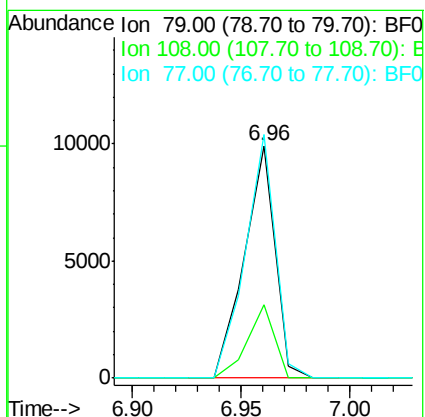
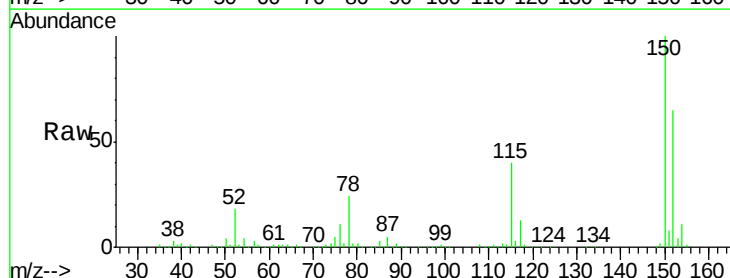
Tgt Ion: 79 Resp: 9748

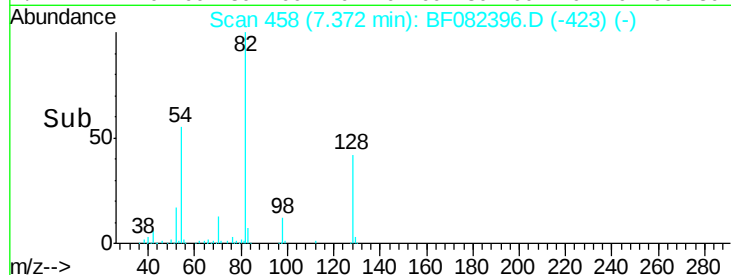
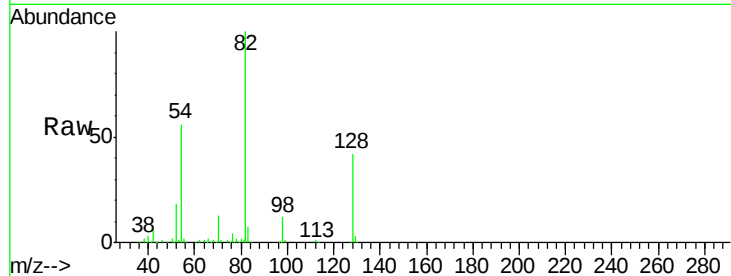
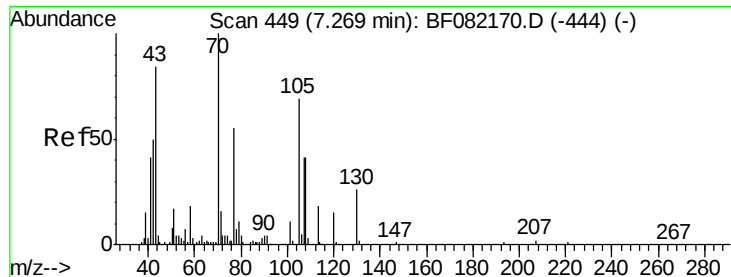
Ion Ratio Lower Upper

79 100

108 31.5 58.4 87.6#

77 104.8 49.8 74.6#

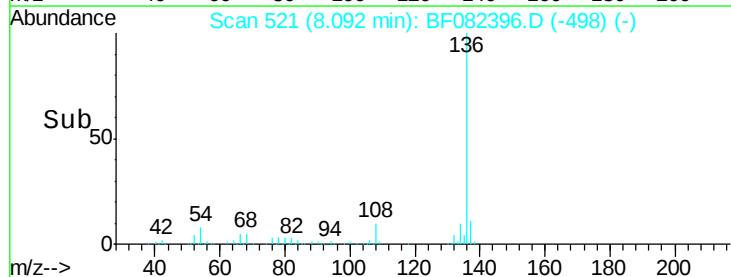
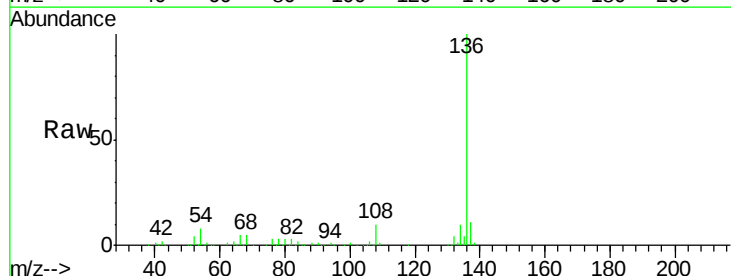
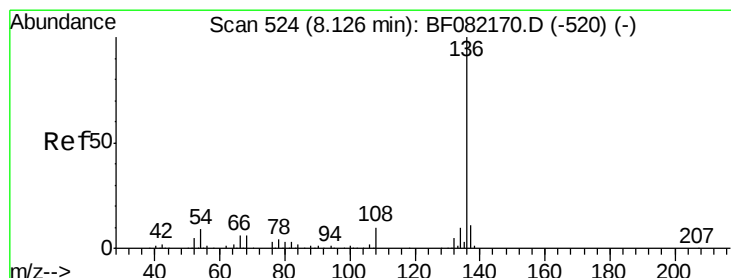
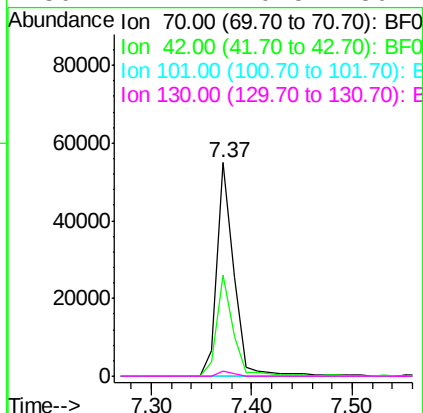




#19
n-Nitroso-di-n-propylamine
Concen: 15.71 ng
RT: 7.37 min Scan# 458
Delta R.T. 0.10 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

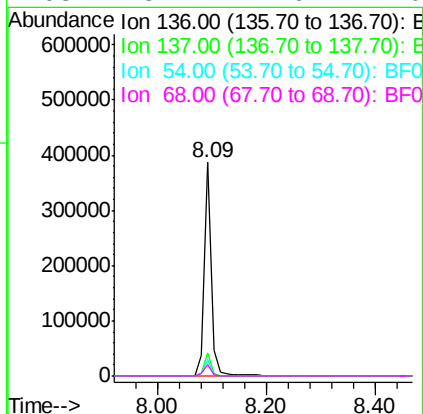
Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

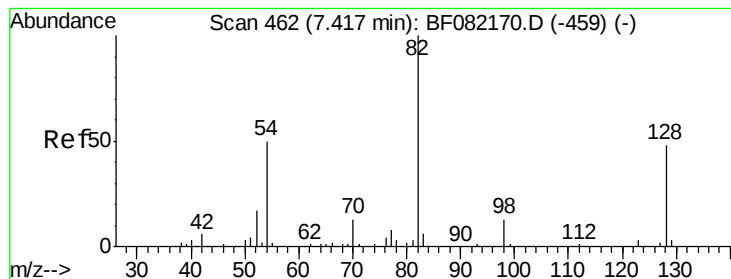
Tgt Ion: 70 Resp: 65005
Ion Ratio Lower Upper
70 100
42 47.6 39.8 59.8
101 0.0 8.6 13.0#
130 2.2 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion: 136 Resp: 343615
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.6 7.5 11.3
68 5.2 4.6 7.0





#23

Nitrobenzene-d5

Concen: 99.74 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.05 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

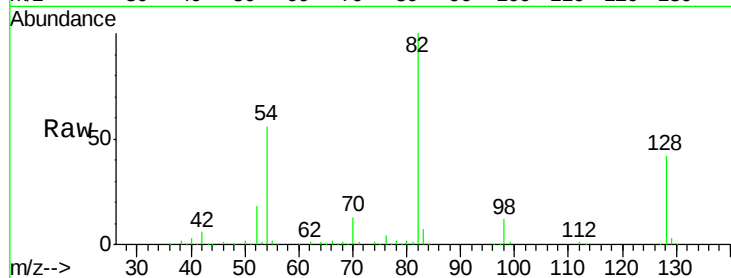
Tgt Ion: 82 Resp: 510333

Ion Ratio Lower Upper

82 100

128 41.8 38.7 58.1

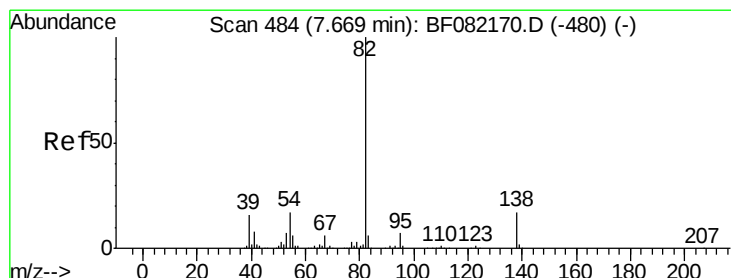
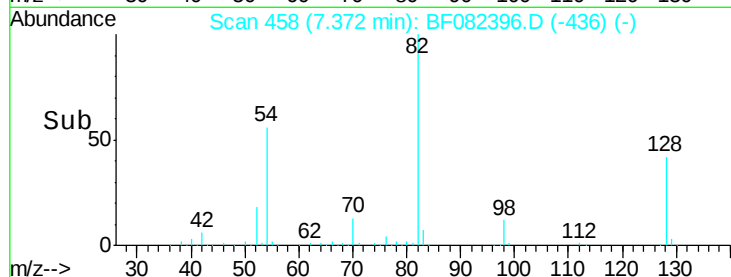
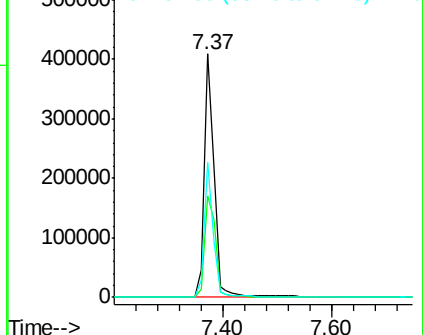
54 55.5 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 44.82 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

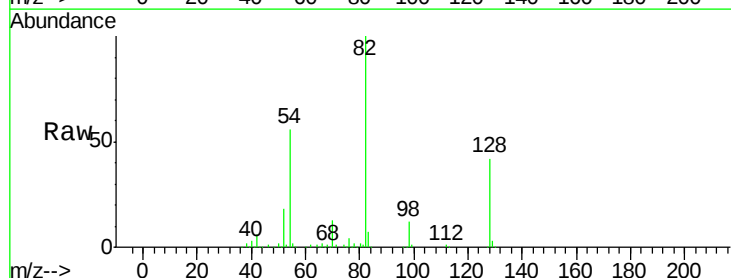
Tgt Ion: 82 Resp: 462856

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

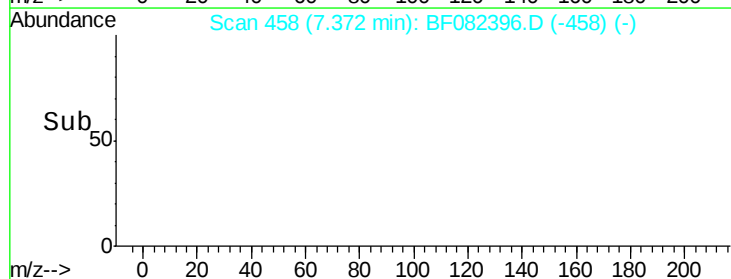
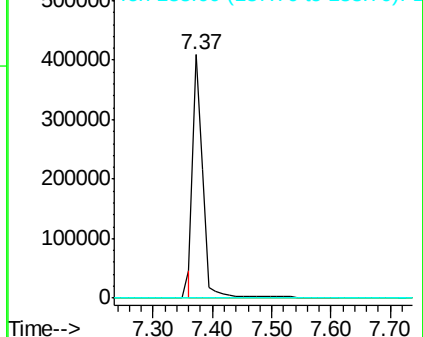
138 0.0 13.6 20.4#

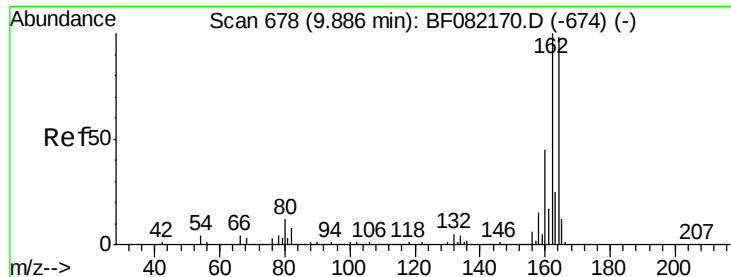


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

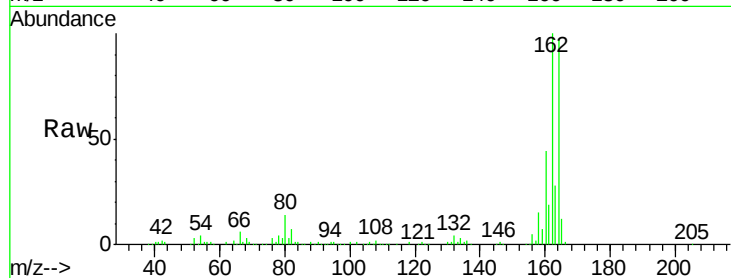




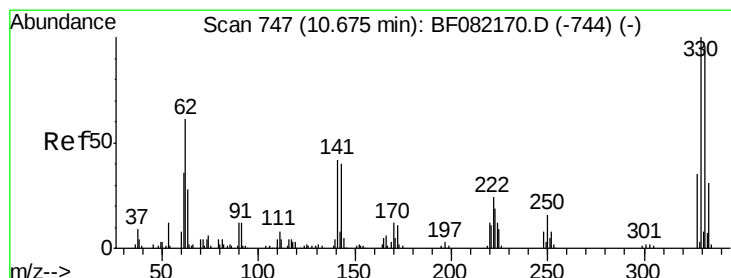
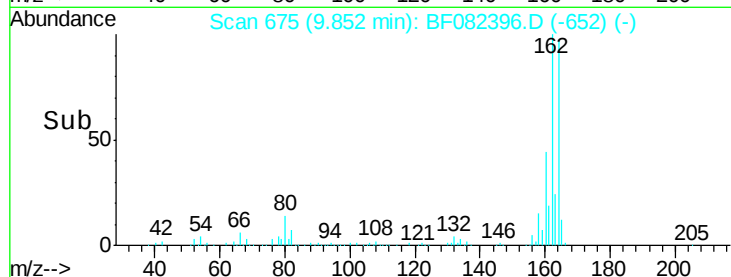
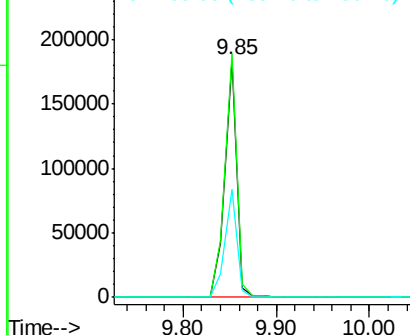
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tgt Ion:164 Resp: 163579
Ion Ratio Lower Upper
164 100
162 102.6 81.6 122.4
160 45.3 36.4 54.6

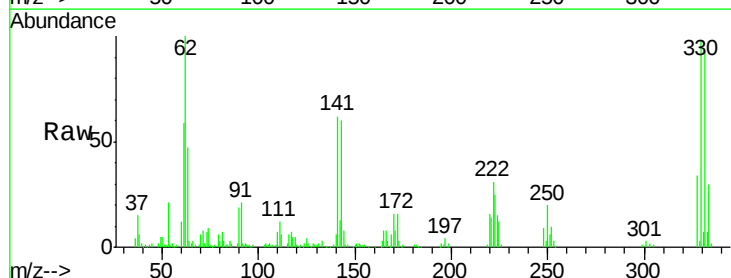


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

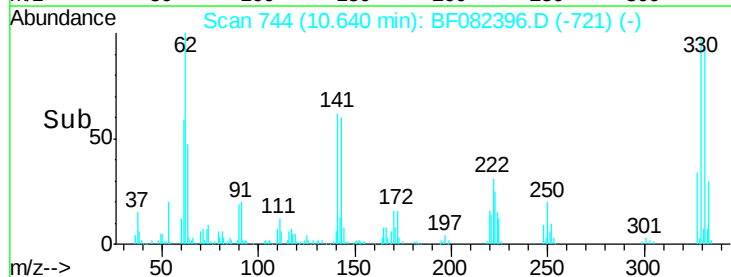
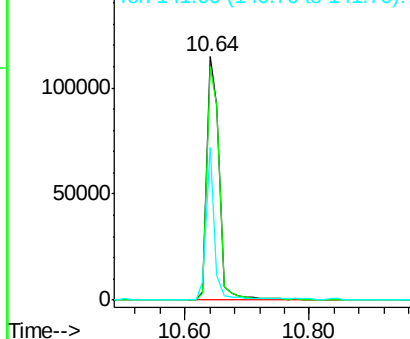


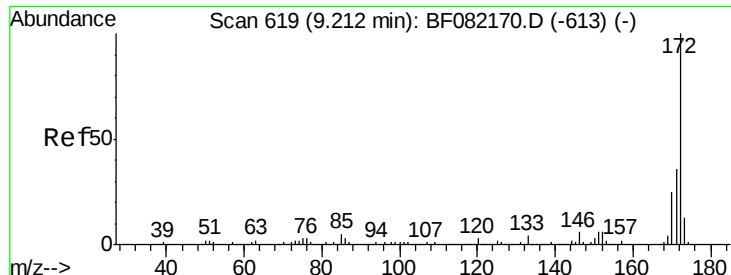
#41
2,4,6-Tribromophenol
Concen: 102.94 ng
RT: 10.64 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion:330 Resp: 157923
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 43.6 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

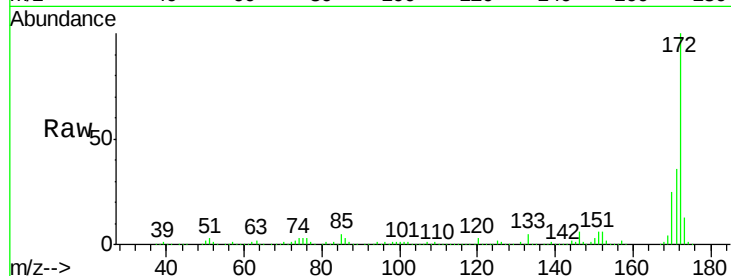




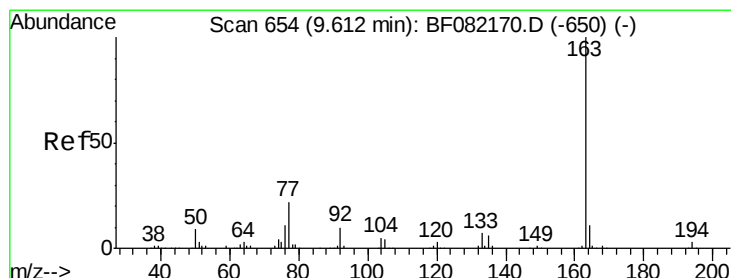
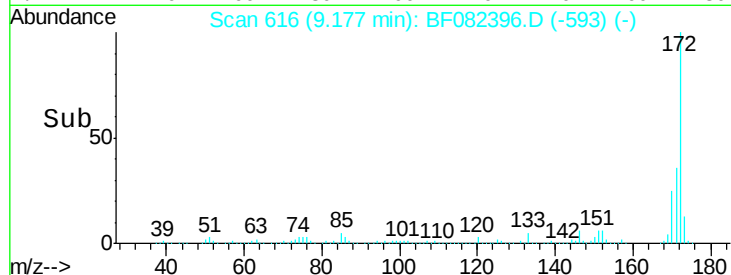
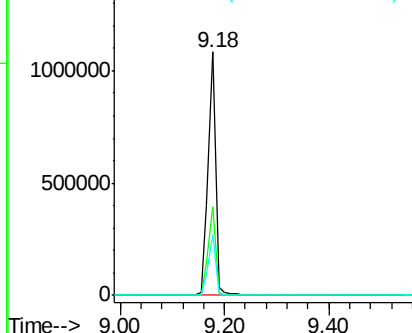
#44
2-Fluorobiphenyl
Concen: 110.31 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Instrument :
BNA_F
ClientSampleId :
IM-MLA-1.5-05RE

Tgt Ion:172 Resp: 1088059
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 24.9 19.7 29.5

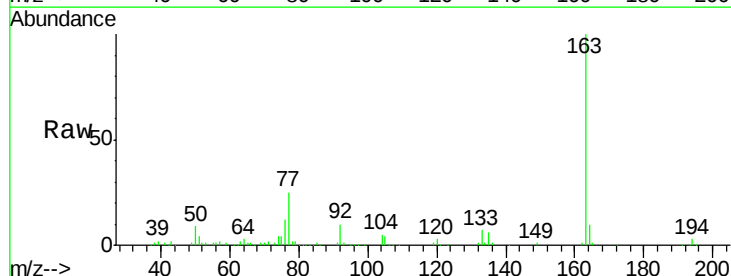


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

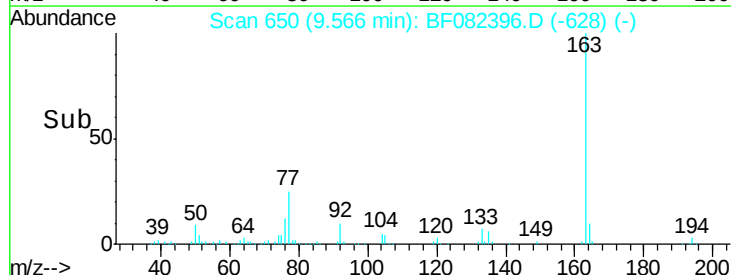
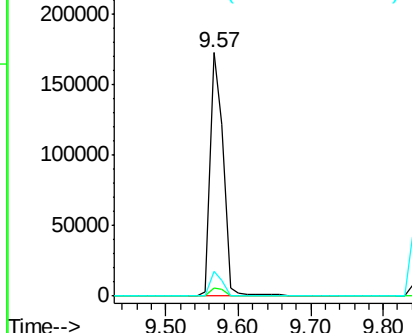


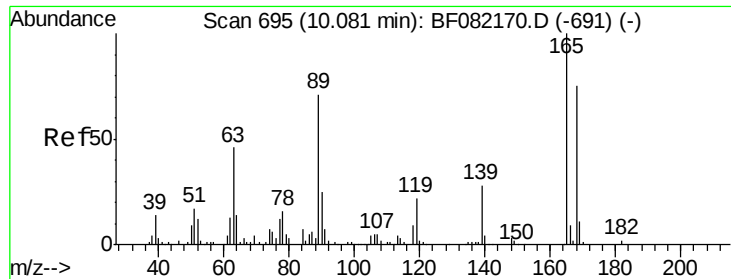
#49
Dimethylphthalate
Concen: 18.72 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082396.D
Acq: 20 Oct 2015 11:43

Tgt Ion:163 Resp: 215682
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.5 12.7



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

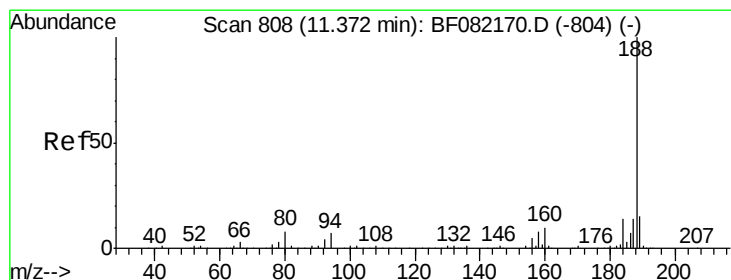
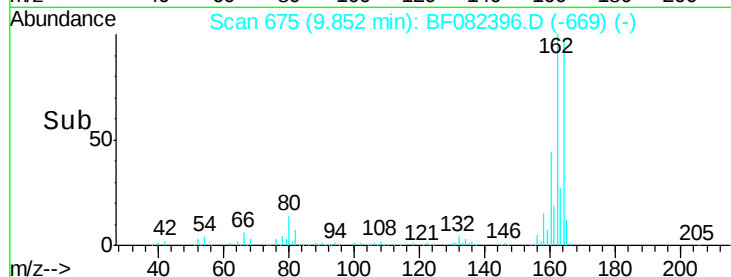
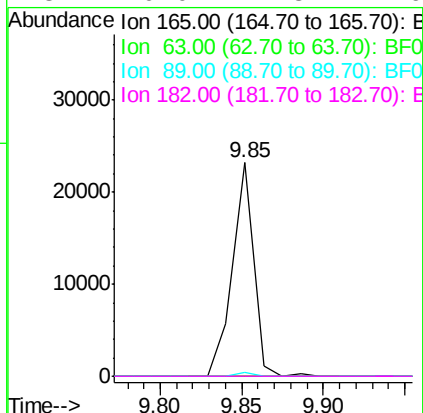
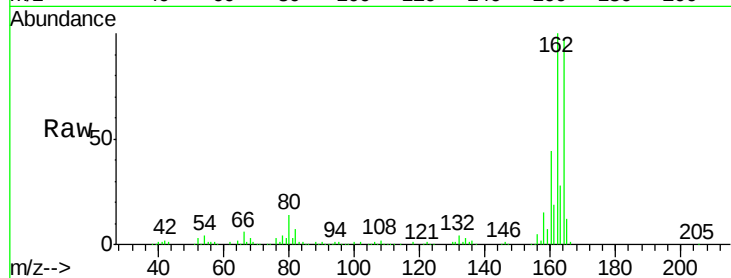




#56
 2,4-Dinitrotoluene
 Concen: 6.84 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.23 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

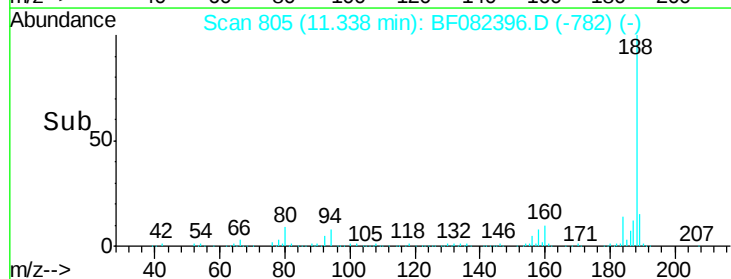
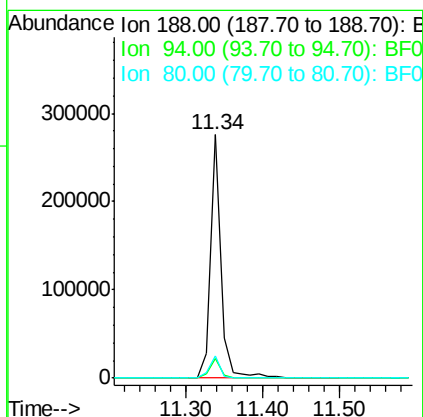
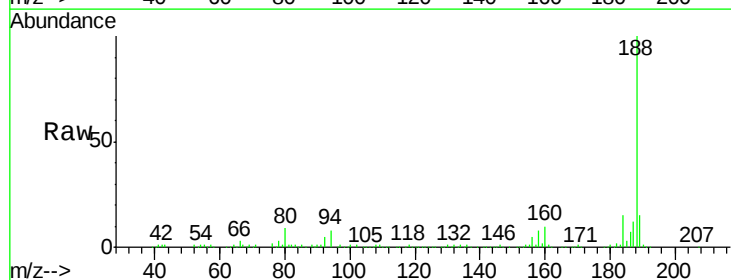
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 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

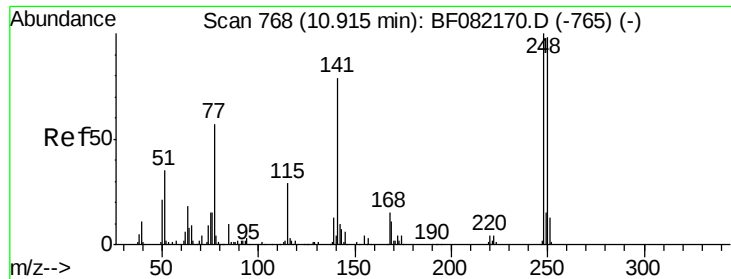
Tgt Ion:	165	Resp:	20787
Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.6	58.0#
89	1.7	57.0	85.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion:	188	Resp:	258133
Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.8	8.6
80	9.0	6.4	9.6

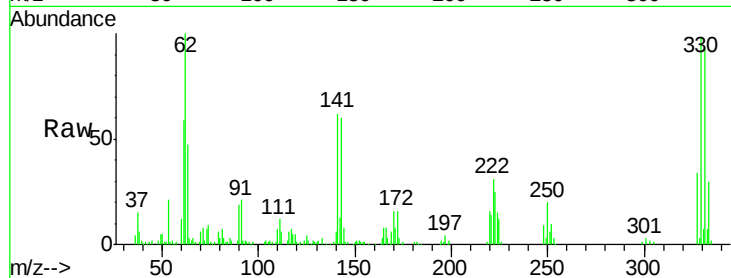




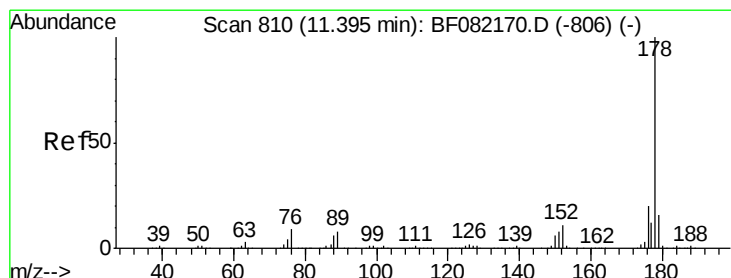
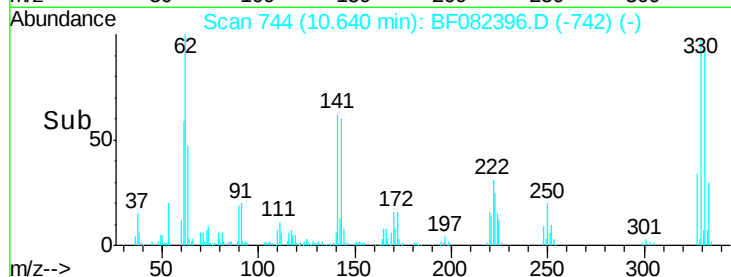
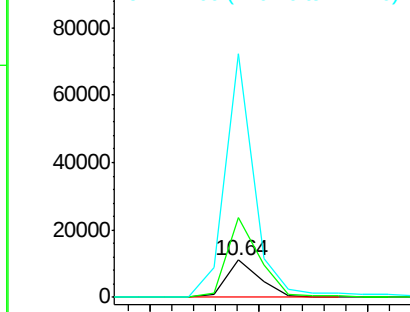
#66
 4-Bromophenyl-phenylether
 Concen: 4.52 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.27 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

Tgt Ion:248 Resp: 11676
 Ion Ratio Lower Upper
 248 100
 250 212.9 78.6 117.8#
 141 649.2 63.3 94.9#

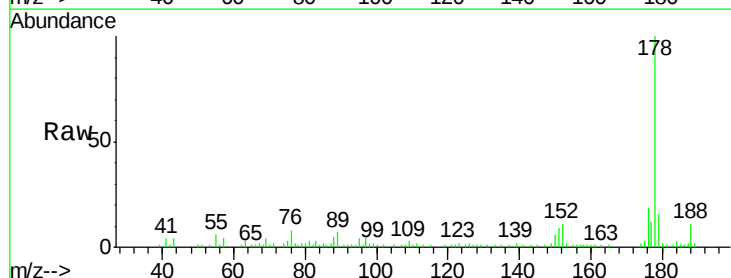


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

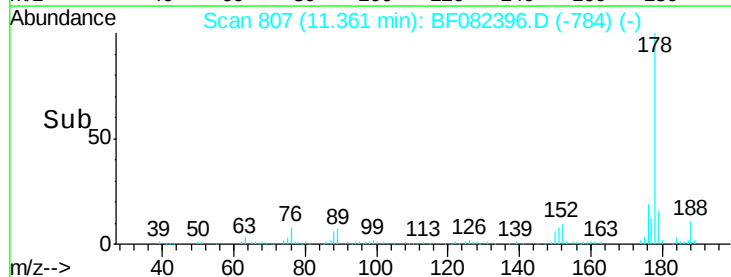
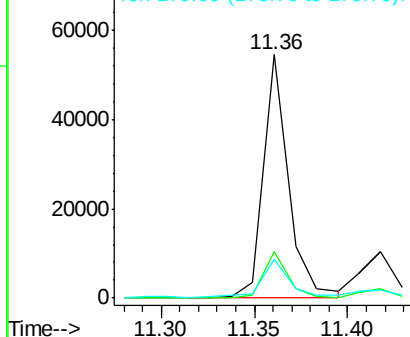


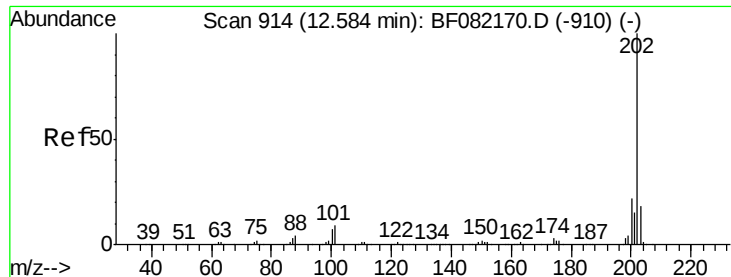
#70
 Phenanthrene
 Concen: 4.00 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion:178 Resp: 50604
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.0 24.0
 179 15.7 12.6 19.0



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: 5.41 ng

RT: 12.55 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

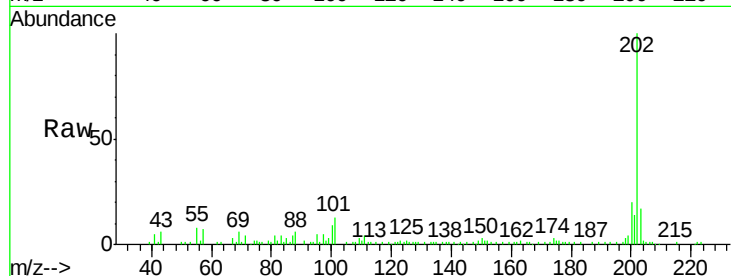
Tgt Ion:202 Resp: 73530

Ion Ratio Lower Upper

202 100

101 12.8 0.0 29.3

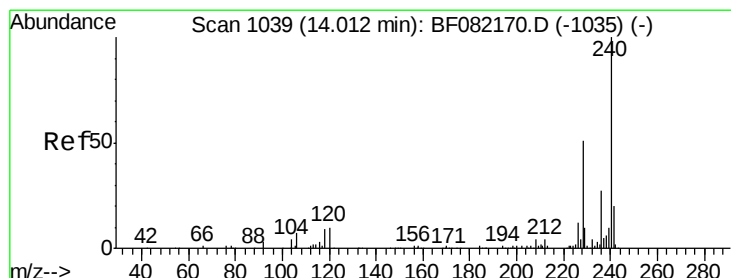
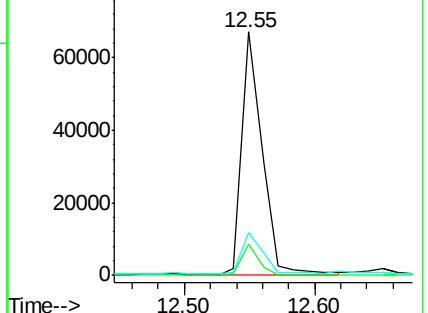
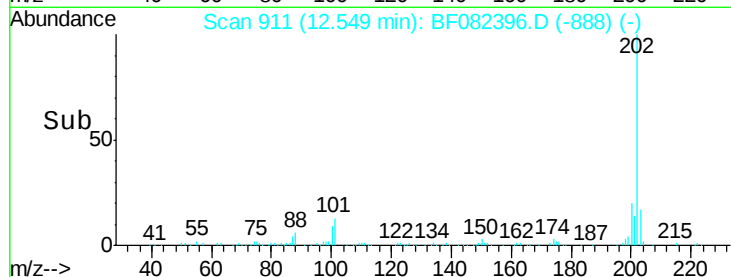
203 17.4 0.0 37.8



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: 14.02 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

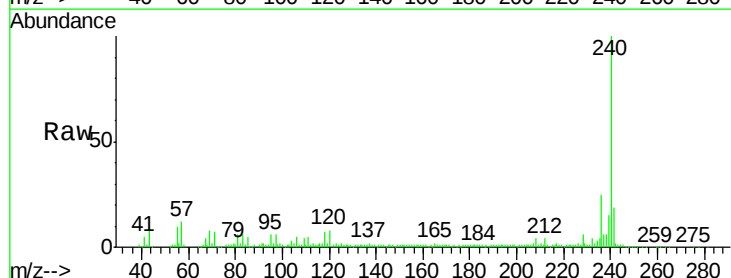
Tgt Ion:240 Resp: 210923

Ion Ratio Lower Upper

240 100

120 7.6 8.1 12.1#

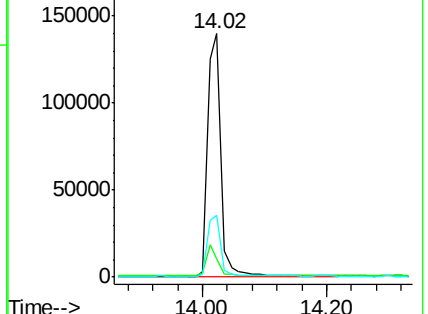
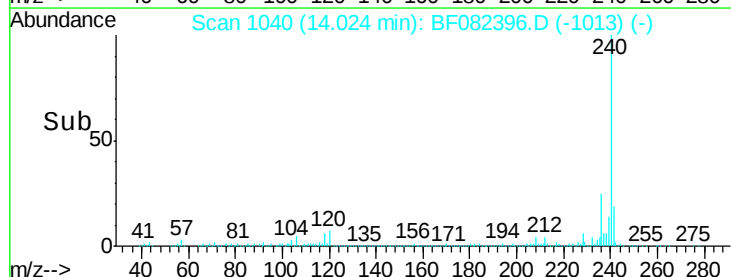
236 25.2 21.3 31.9

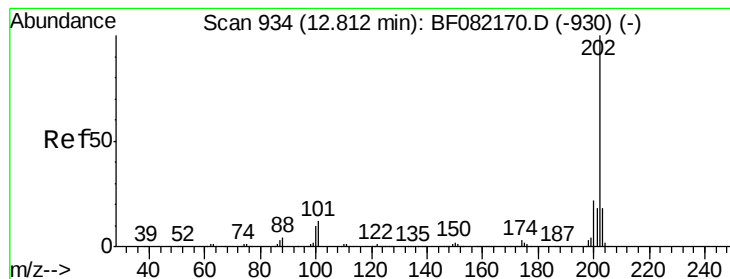


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.55 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

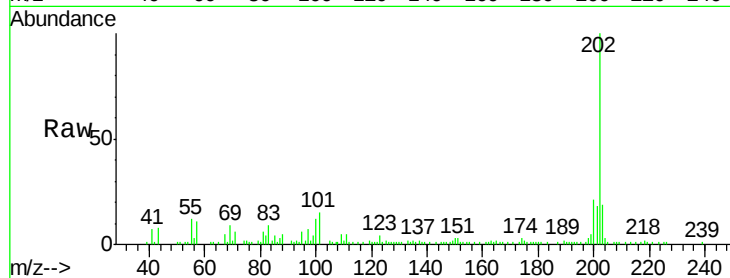
Tgt Ion:202 Resp: 69482

Ion Ratio Lower Upper

202 100

200 20.9 17.9 26.9

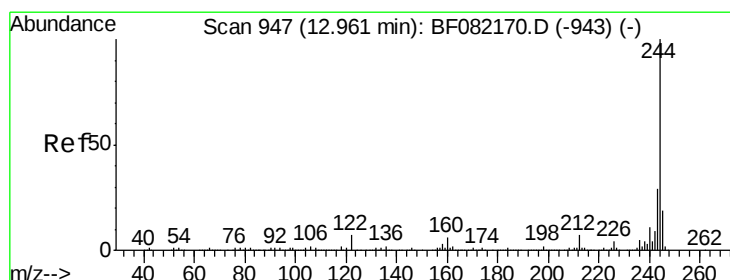
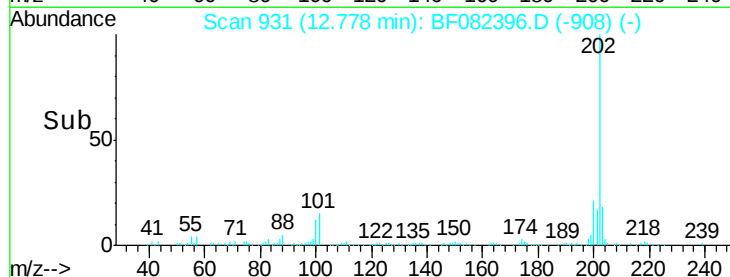
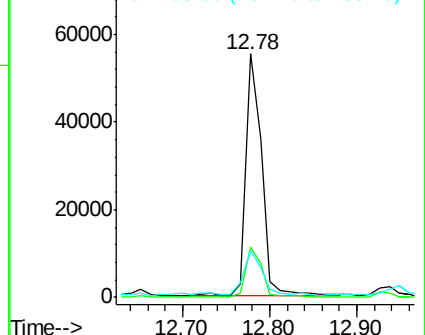
203 19.1 14.5 21.7



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: 93.83 ng

RT: 12.94 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

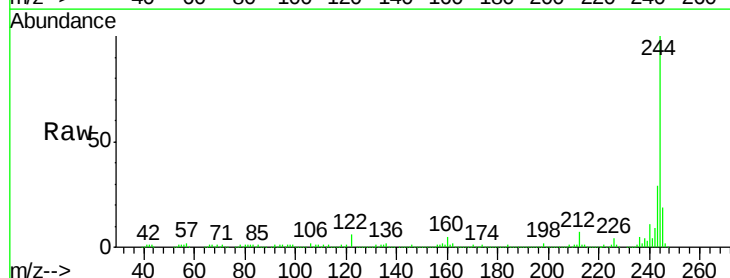
Tgt Ion:244 Resp: 746829

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

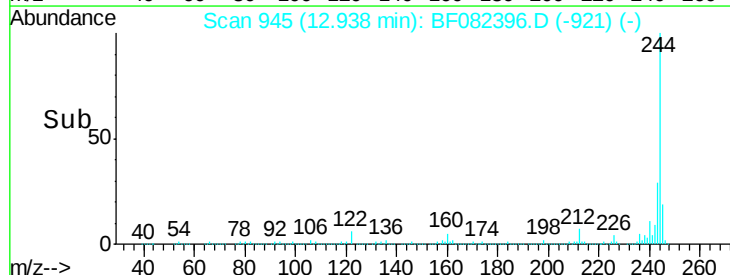
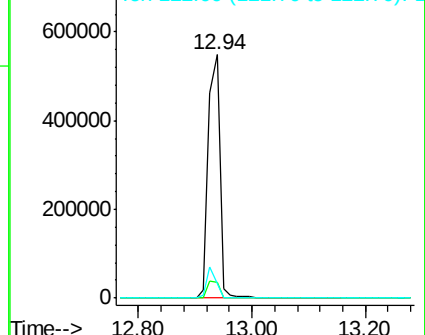
122 5.8 5.9 8.9#

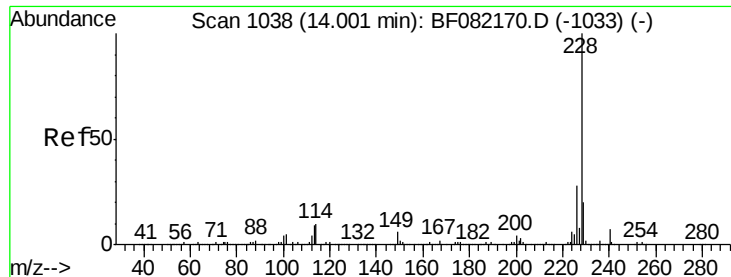


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.63 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

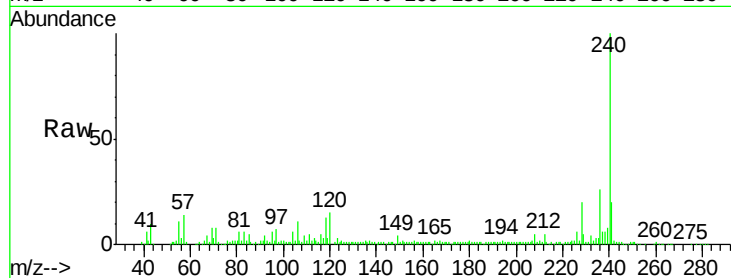
Tgt Ion:228 Resp: 39849

Ion Ratio Lower Upper

228 100

226 31.6 22.3 33.5

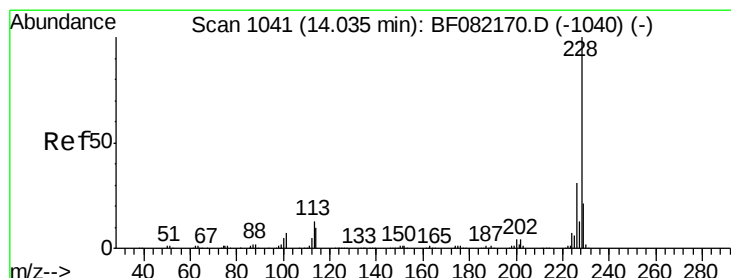
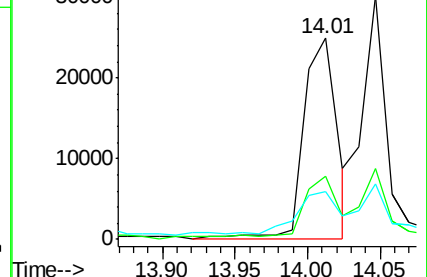
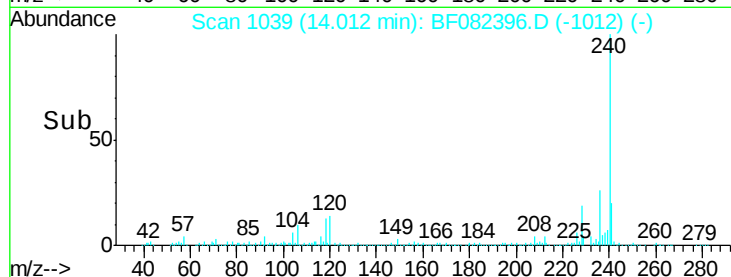
229 24.0 16.2 24.2



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: 3.45 ng

RT: 14.01 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

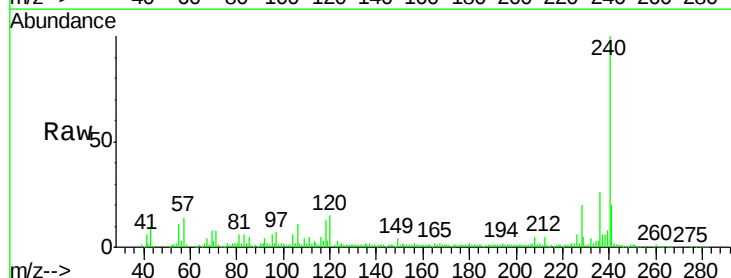
Tgt Ion:228 Resp: 39849

Ion Ratio Lower Upper

228 100

226 31.6 24.4 36.6

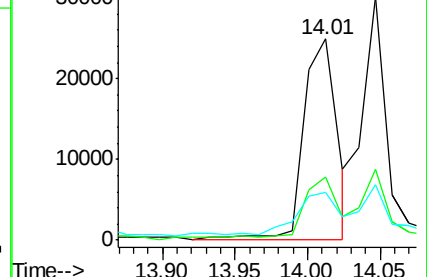
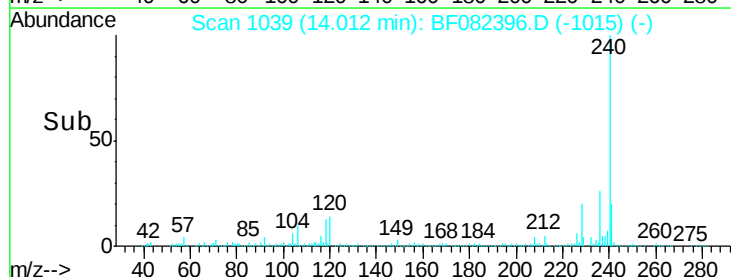
229 24.0 16.3 24.5

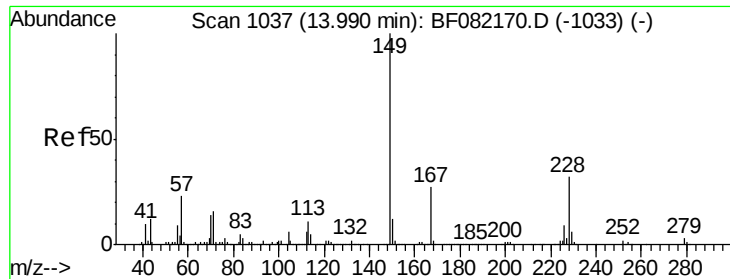


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

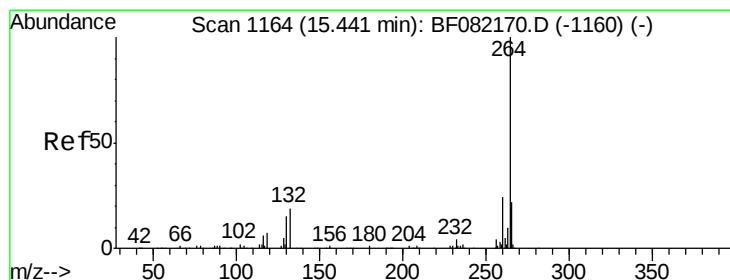
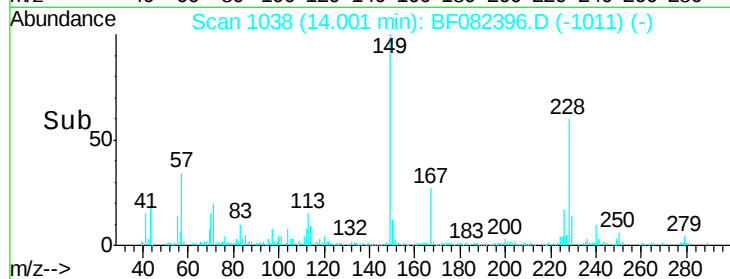
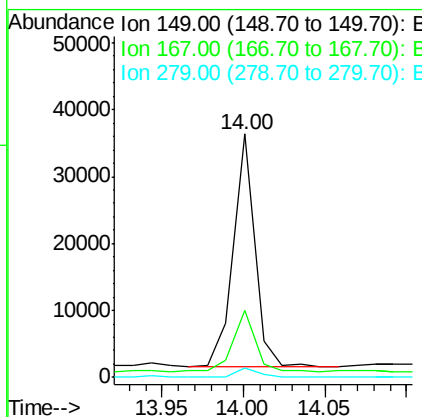
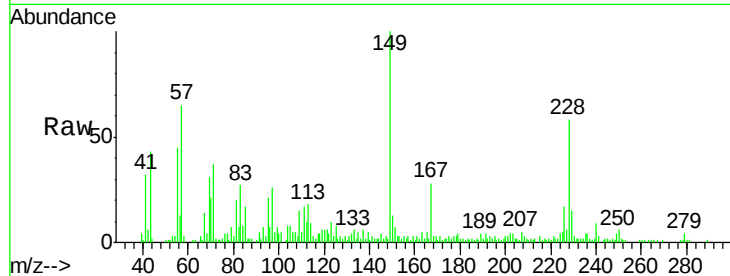




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.82 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

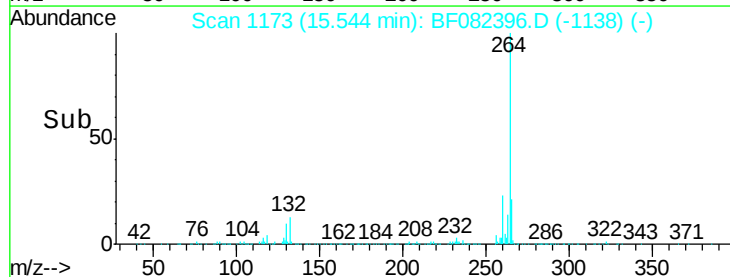
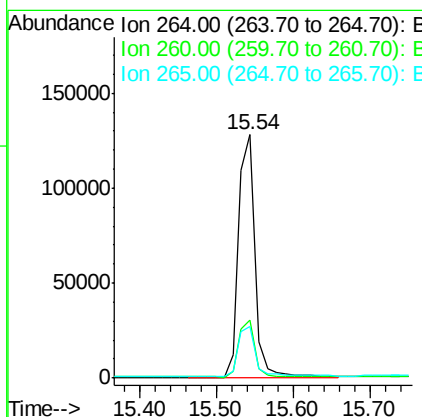
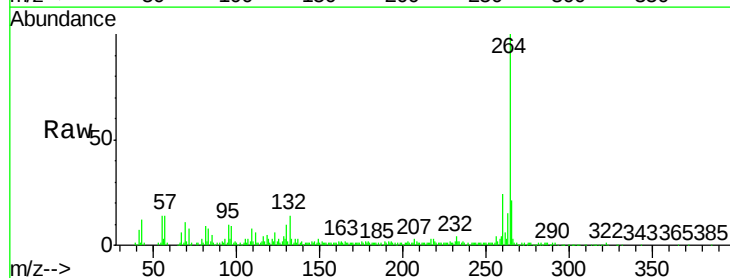
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

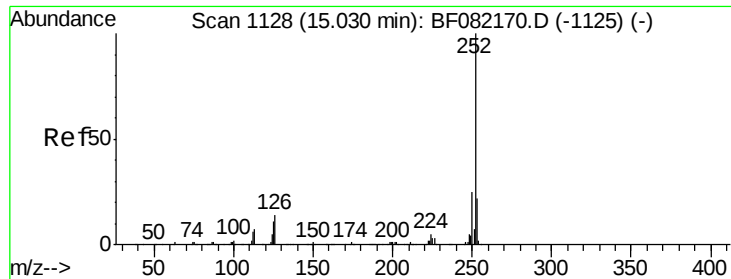
Tgt Ion:149 Resp: 31124
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.3 31.9
 279 3.7 2.6 4.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1173
 Delta R.T. 0.10 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion:264 Resp: 192749
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.3 17.3 25.9

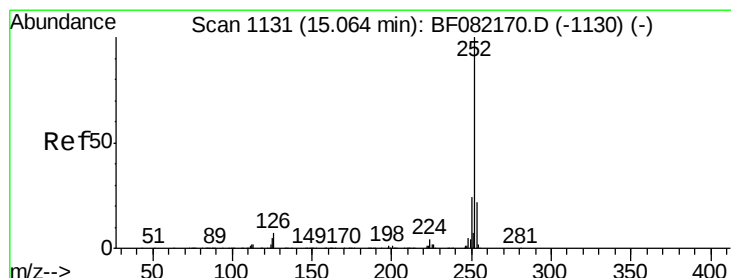
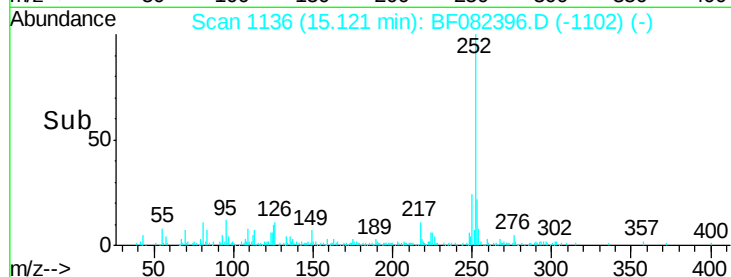
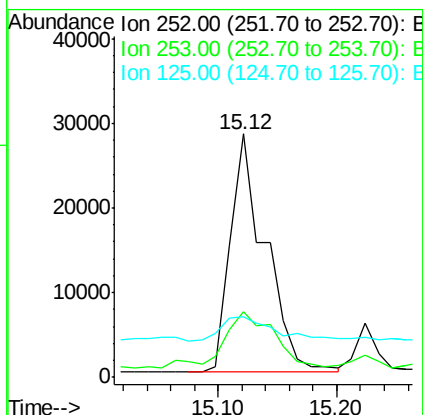
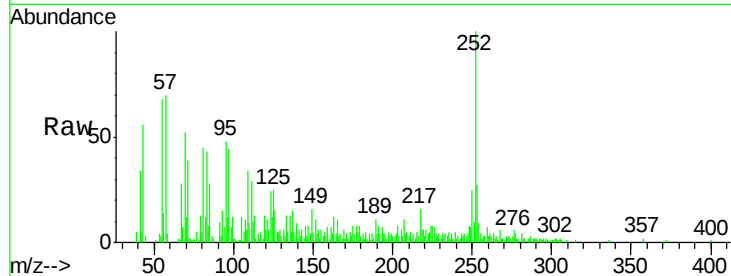




#87
 Benzo(b)fluoranthene
 Concen: 4.87 ng
 RT: 15.12 min Scan# 1136
 Delta R.T. 0.09 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

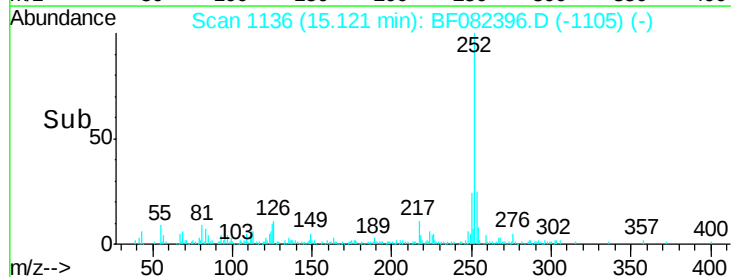
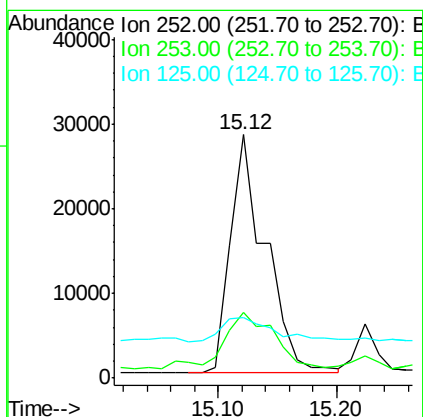
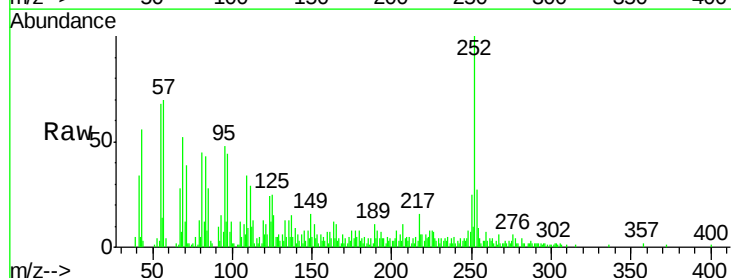
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-1.5-05RE

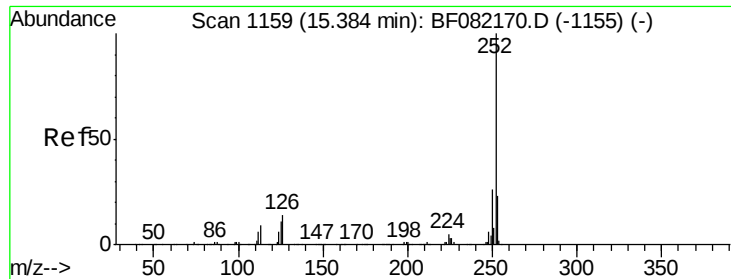
Tgt Ion: 252 Resp: 57161
 Ion Ratio Lower Upper
 252 100
 253 27.1 18.0 27.0#
 125 24.9 8.6 12.8#



#88
 Benzo(k)fluoranthene
 Concen: 5.80 ng
 RT: 15.12 min Scan# 1136
 Delta R.T. 0.06 min
 Lab File: BF082396.D
 Acq: 20 Oct 2015 11:43

Tgt Ion: 252 Resp: 57161
 Ion Ratio Lower Upper
 252 100
 253 27.1 17.8 26.6#
 125 24.9 6.7 10.1#





#89

Benzo(a)pyrene

Concen: 3.00 ng

RT: 15.48 min Scan# 1167

Delta R.T. 0.09 min

Lab File: BF082396.D

Acq: 20 Oct 2015 11:43

Instrument :

BNA_F

ClientSampleId :

IM-MLA-1.5-05RE

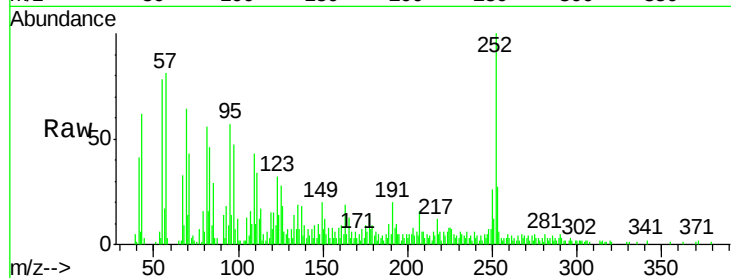
Tgt Ion:252 Resp: 30233

Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

125 28.2 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

