

Data Path : Z:\HPCHEM1\BNA_F\Data\BF101915\
 Data File : BF082395.D
 Acq On : 20 Oct 2015 11:15
 Operator : UM/IZ
 Sample : G4040-03RE
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05RE

Quant Time: Oct 20 13:50:06 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

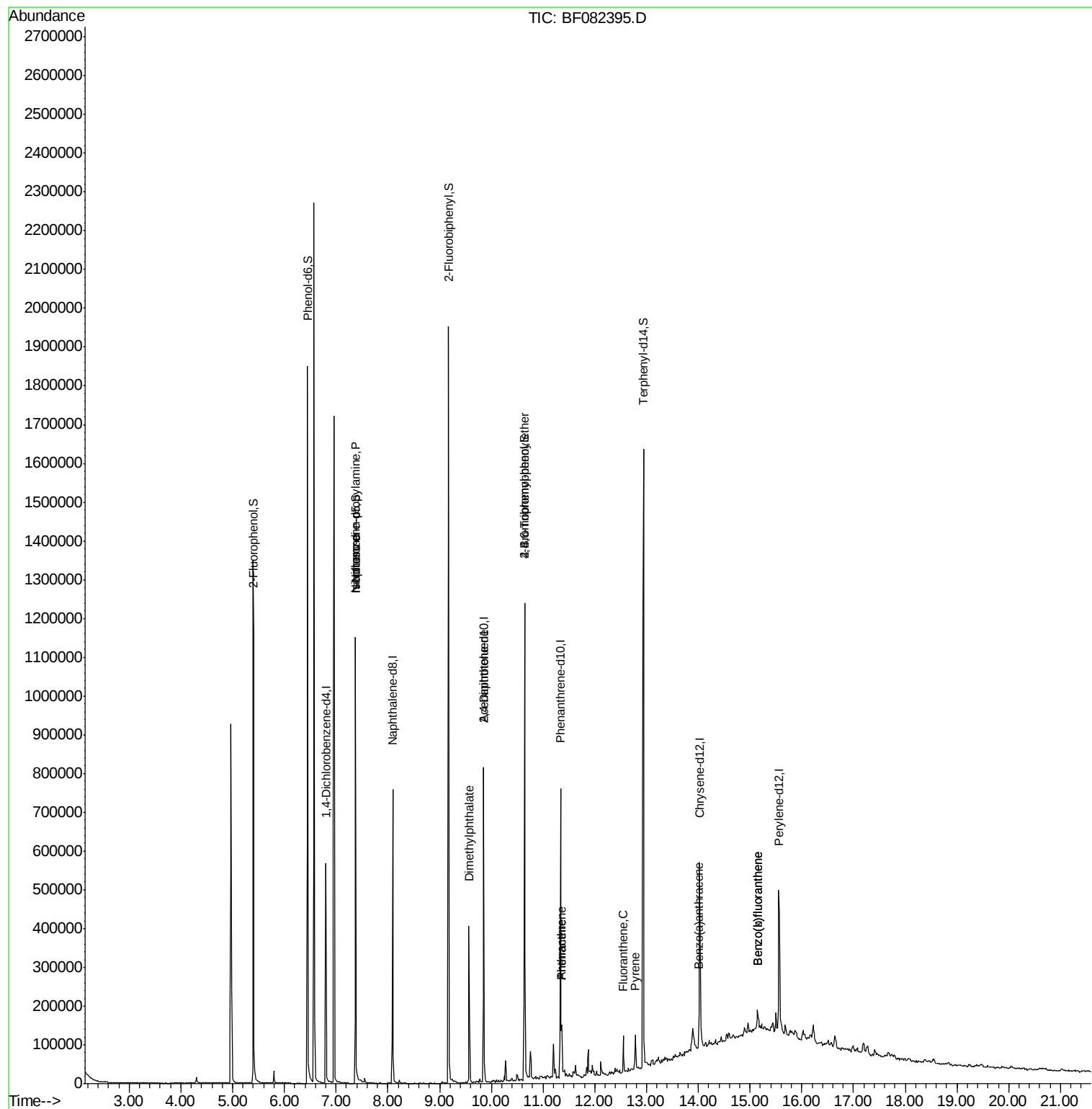
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	91111	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	351454	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	169608	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	289536	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	218136	20.00	ng	0.01
86) Perylene-d12	15.56	264	207916	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	558747	123.77	ng	-0.02
7) Phenol-d6	6.45	99	698659	118.93	ng	-0.03
23) Nitrobenzene-d5	7.37	82	414923	79.28	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	138460	87.05	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	881020	86.14	ng	-0.03
78) Terphenyl-d14	12.94	244	697878	84.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	54524	13.22	ng	# 78
25) Isophorone	7.37	82	370762	35.10	ng	# 66
49) Dimethylphthalate	9.57	163	190373	15.94	ng	99
55) 4-Nitrophenol	10.06	139	290	Below Cal	#	36
56) 2,4-Dinitrotoluene	9.85	165	21513	6.83	ng	# 22
66) 4-Bromophenyl-phenylether	10.64	248	10780	3.72	ng	# 1
70) Phenanthrene	11.36	178	46378	3.27	ng	97
71) Anthracene	11.36	178	46378	3.17	ng	98
74) Fluoranthene	12.55	202	47922	3.14	ng	97
77) Pyrene	12.78	202	54854	4.24	ng	96
80) Benzo(a)anthracene	14.01	228	23126	2.04	ng	96
87) Benzo(b)fluoranthene	15.14	252	32800	2.59	ng	# 85
88) Benzo(k)fluoranthene	15.14	252	32800	3.08	ng	# 83

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

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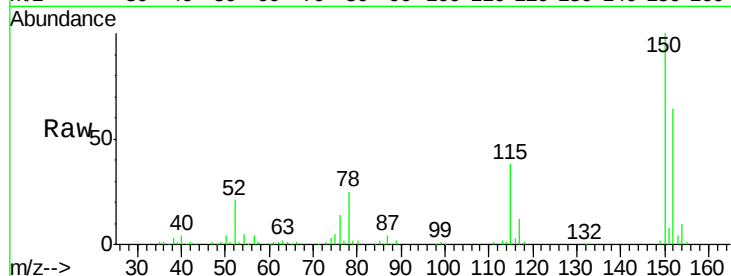


#1

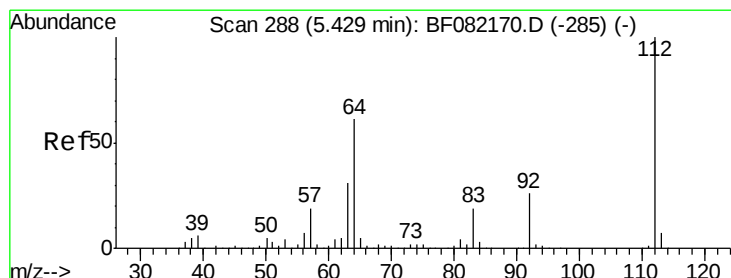
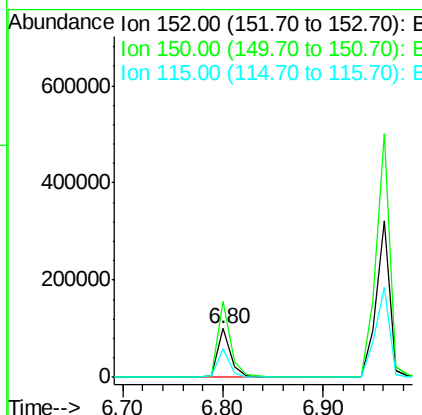
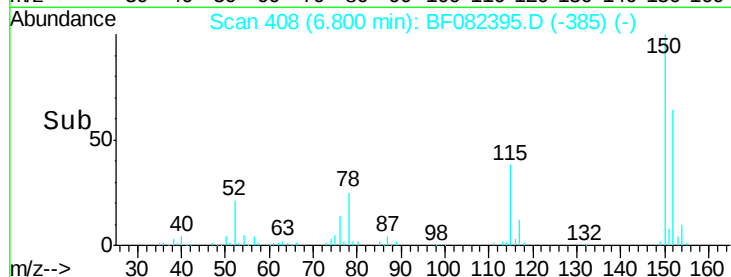
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05RE

Tgt Ion:152 Resp: 91111
Ion Ratio Lower Upper
152 100
150 155.8 129.0 193.4
115 58.7 52.1 78.1



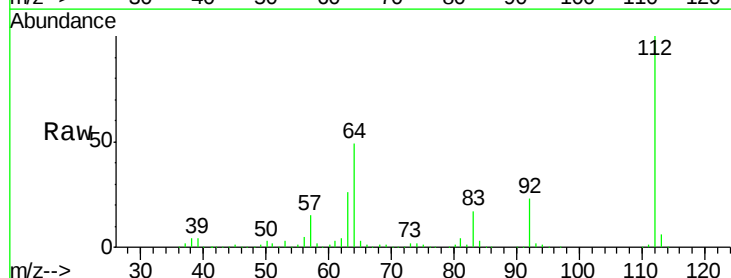
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



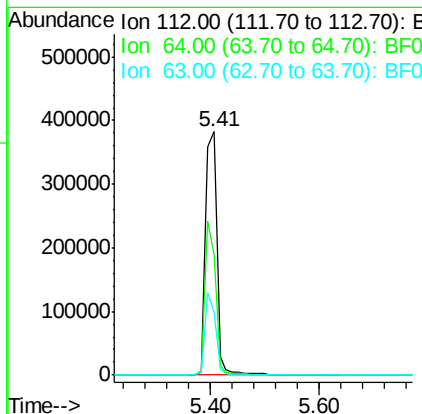
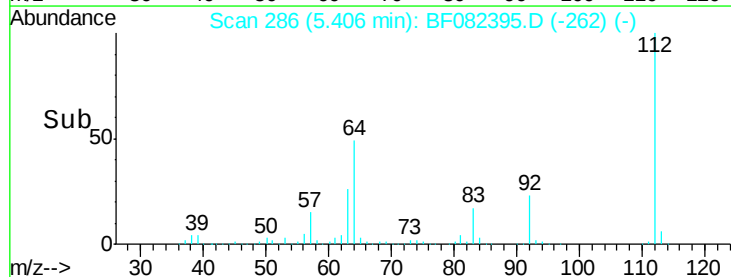
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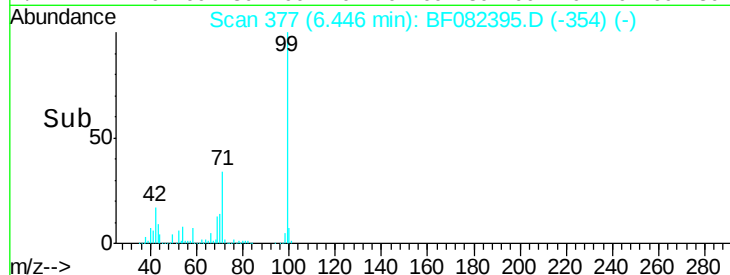
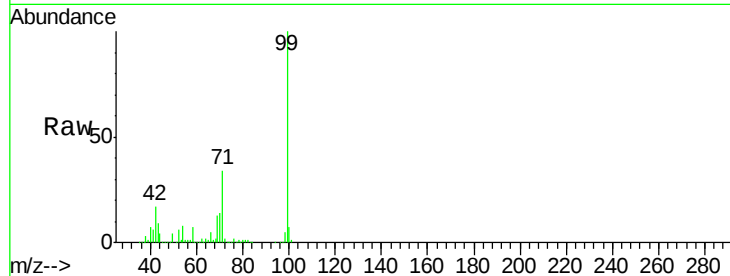
2-Fluorophenol
Concen: 123.77 ng
RT: 5.41 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Tgt Ion:112 Resp: 558747
Ion Ratio Lower Upper
112 100
64 49.4 48.6 73.0
63 25.7 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: 118.93 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05RE

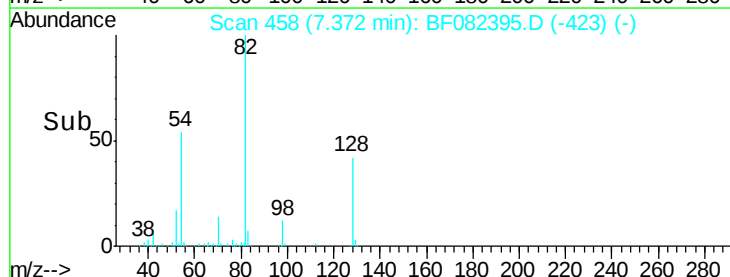
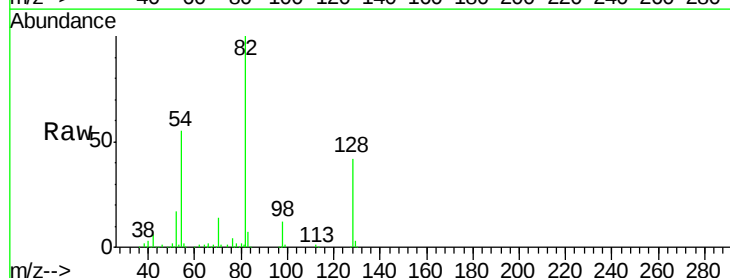
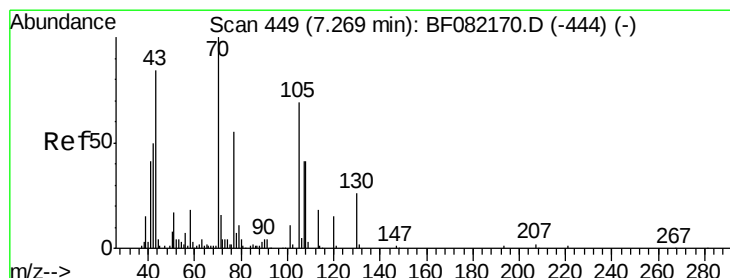
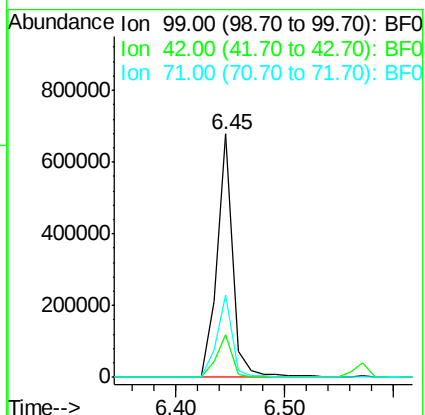
Tgt Ion: 99 Resp: 698659

Ion Ratio Lower Upper

99 100

42 17.4 13.2 19.8

71 33.9 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.22 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.10 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

Tgt Ion: 70 Resp: 54524

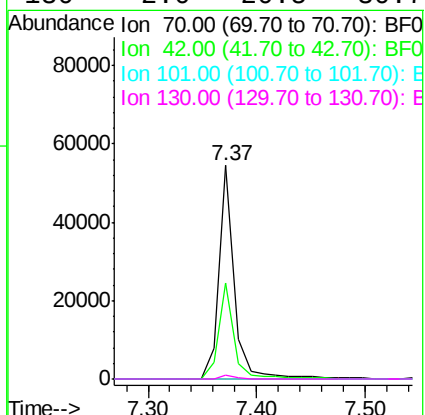
Ion Ratio Lower Upper

70 100

42 44.8 39.8 59.8

101 0.0 8.6 13.0#

130 2.0 20.5 30.7#

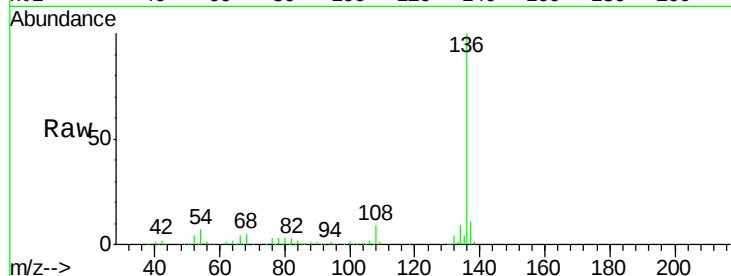




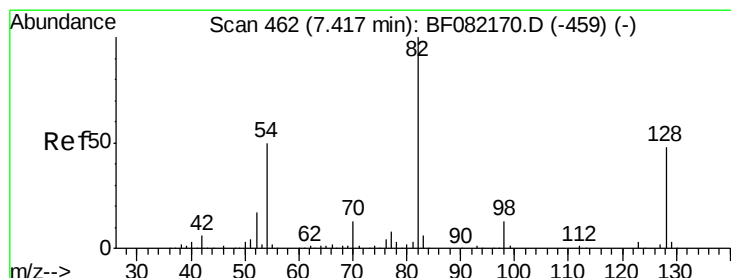
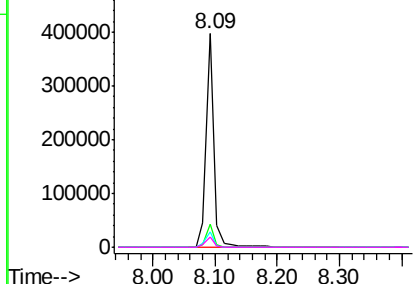
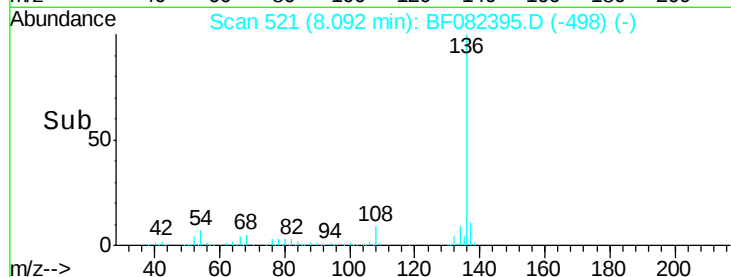
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05RE

Tgt Ion:	136	Resp:	351454
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	7.1	7.5	11.3#
68	4.8	4.6	7.0

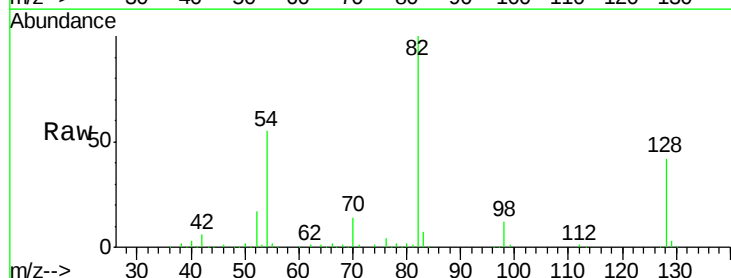


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

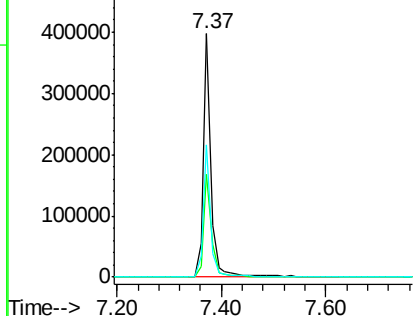
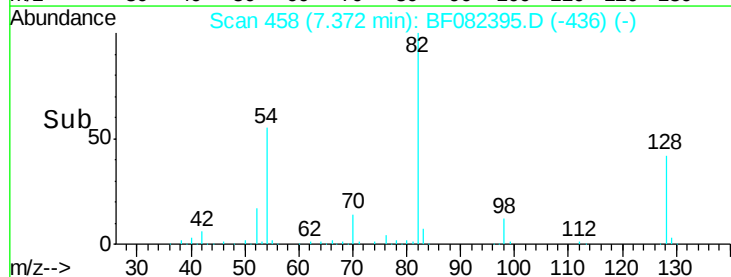


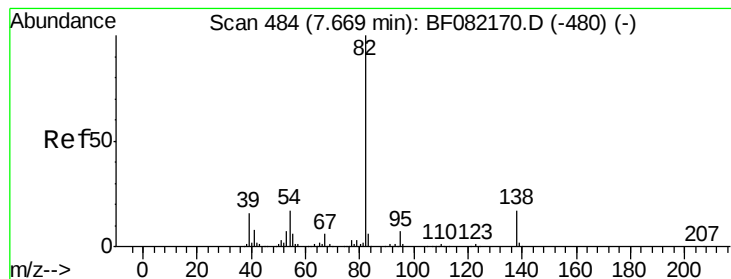
#23
Nitrobenzene-d5
Concen: 79.28 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Tgt Ion:	82	Resp:	414923
Ion	Ratio	Lower	Upper
82	100		
128	42.4	38.7	58.1
54	54.5	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: 35.10 ng

RT: 7.37 min Scan# 458

Delta R.T. -0.30 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05RE

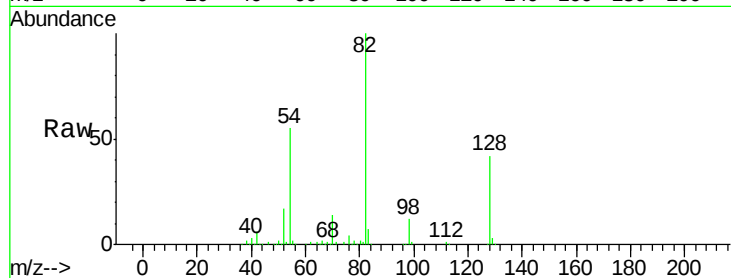
Tgt Ion: 82 Resp: 370762

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

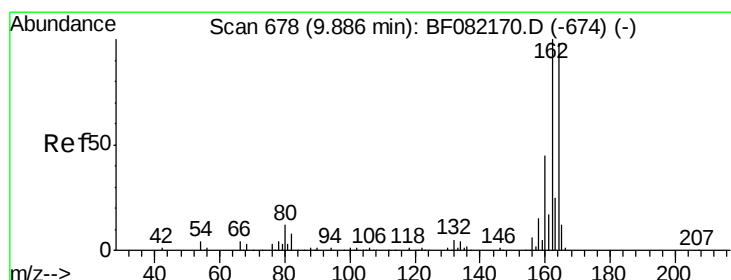
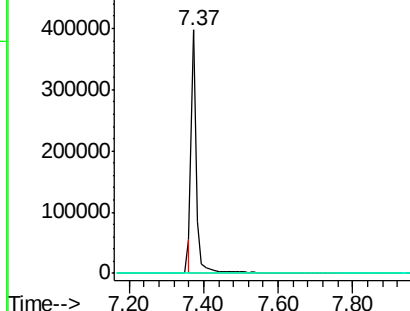
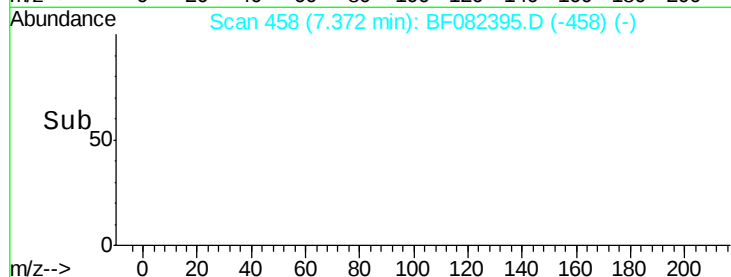
138 0.0 13.6 20.4#



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: BF082395.D

Acq: 20 Oct 2015 11:15

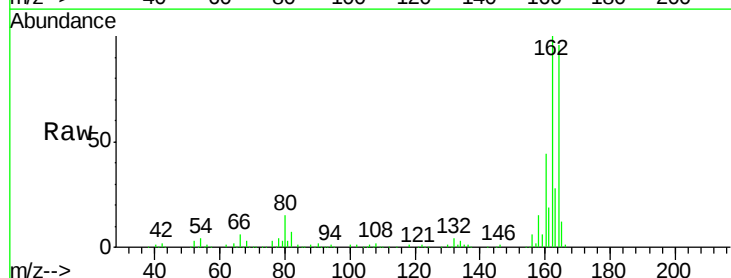
Tgt Ion: 164 Resp: 169608

Ion Ratio Lower Upper

164 100

162 103.8 81.6 122.4

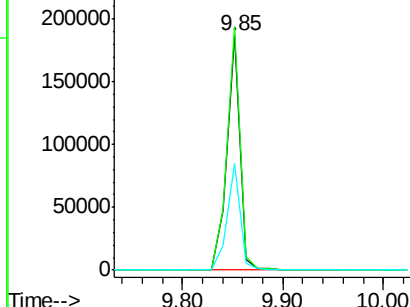
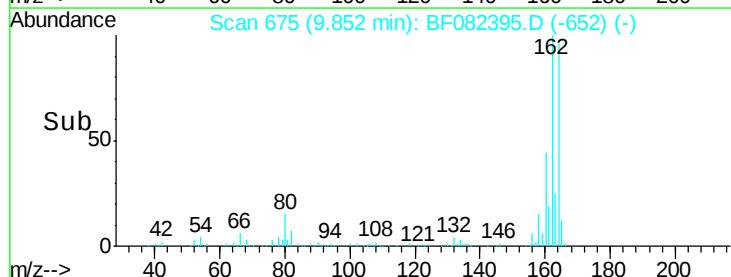
160 45.6 36.4 54.6



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

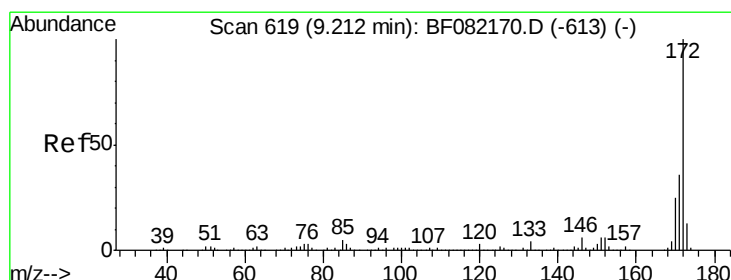
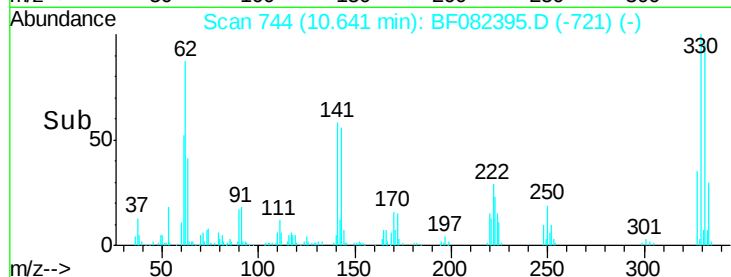
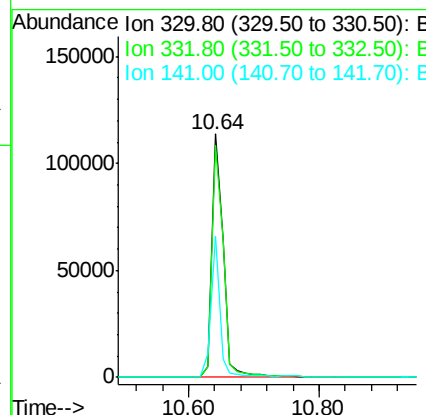
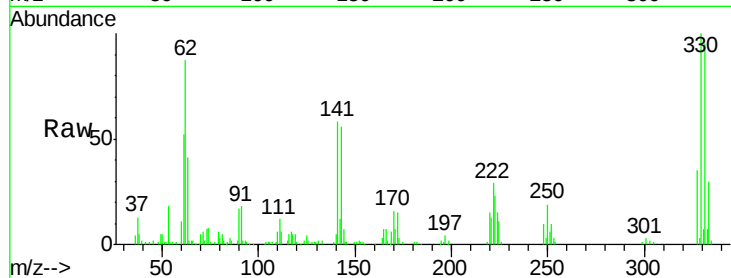




#41
 2,4,6-Tribromophenol
 Concen: 87.05 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082395.D
 Acq: 20 Oct 2015 11:15

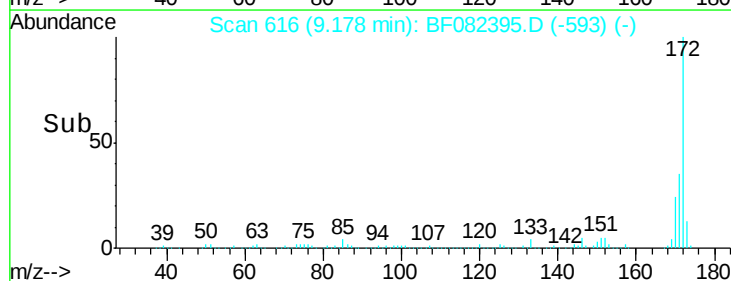
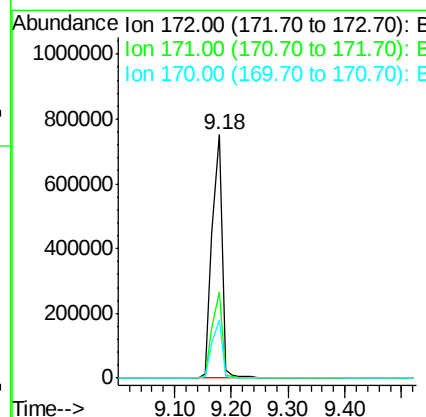
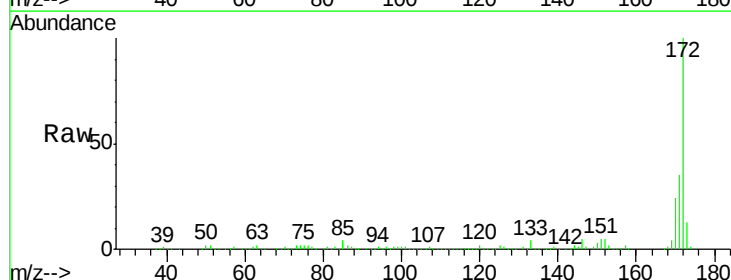
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05RE

Tgt Ion:330 Resp: 138460
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.1 115.7
 141 45.6 29.8 44.8#



#44
 2-Fluorobiphenyl
 Concen: 86.14 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF082395.D
 Acq: 20 Oct 2015 11:15

Tgt Ion:172 Resp: 881020
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.6 19.7 29.5

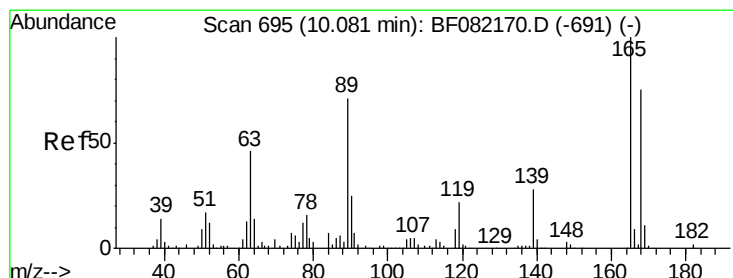
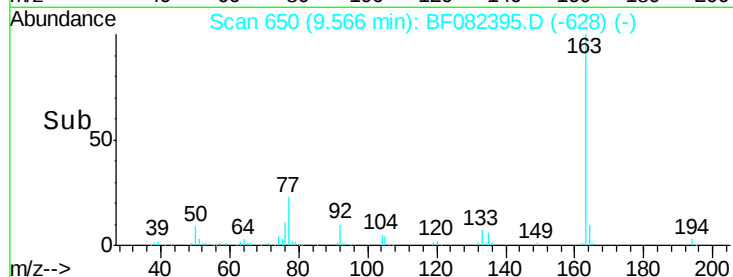
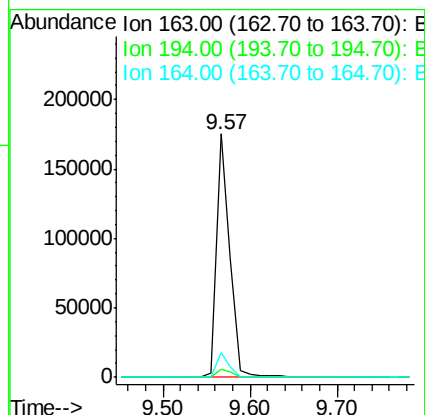
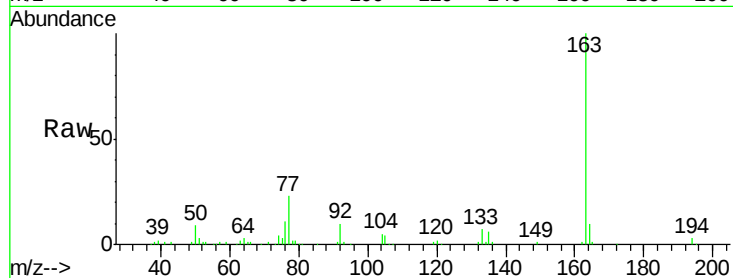




#49
Dimethylphthalate
Concen: 15.94 ng
RT: 9.57 min Scan# 650
Delta R.T. -0.05 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

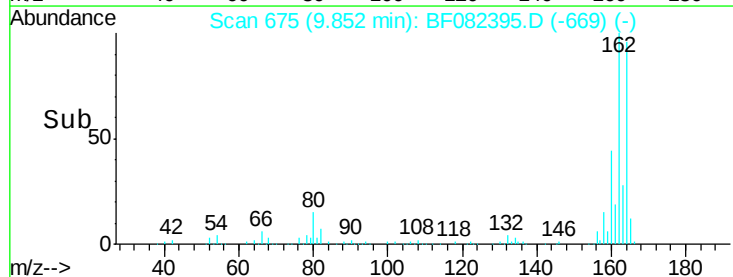
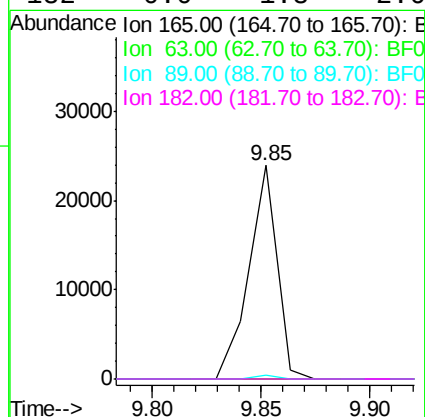
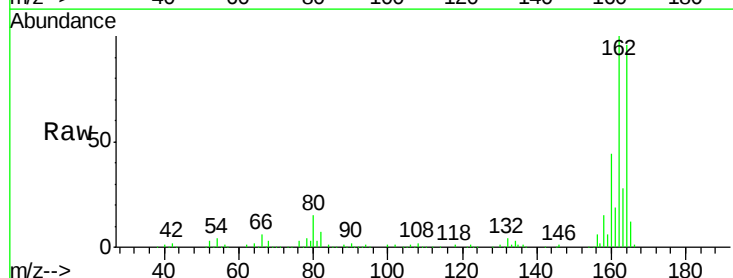
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BNA_F
ClientSampleId :
IM-MLA-2.5-05RE

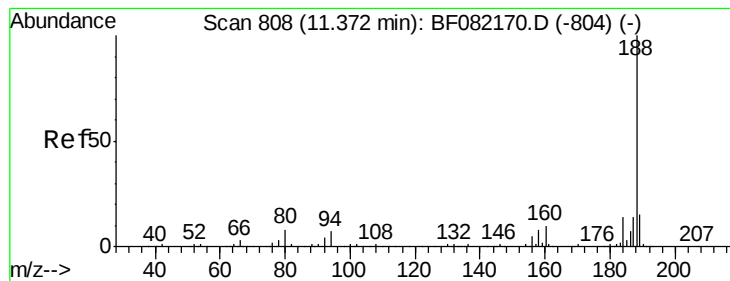
Tgt Ion:163 Resp: 190373
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.3 8.5 12.7



#56
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.23 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Tgt Ion:165 Resp: 21513
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 1.5 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: BF082395.D

Acq: 20 Oct 2015 11:15

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05RE

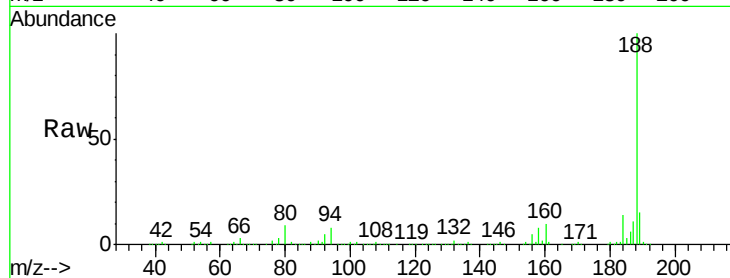
Tgt Ion:188 Resp: 289536

Ion Ratio Lower Upper

188 100

94 8.4 5.8 8.6

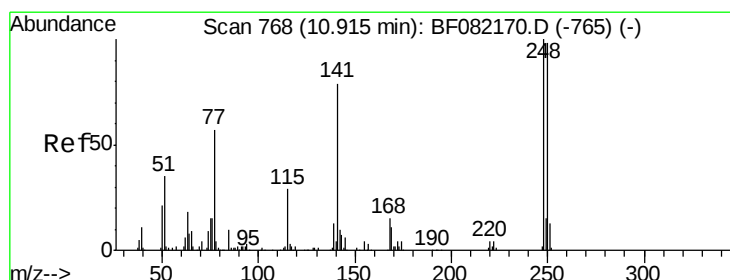
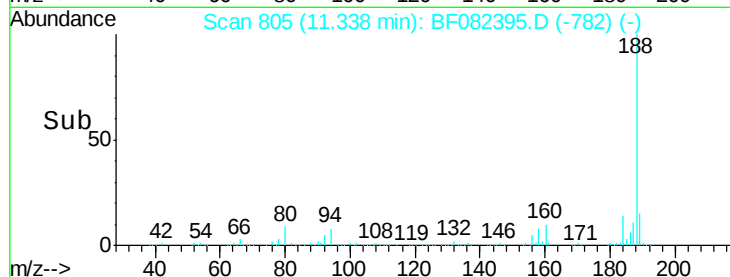
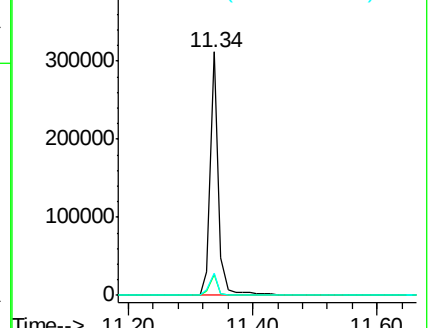
80 9.0 6.4 9.6



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: 3.72 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.27 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

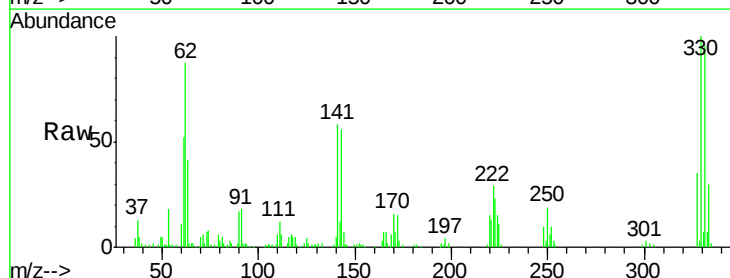
Tgt Ion:248 Resp: 10780

Ion Ratio Lower Upper

248 100

250 186.5 78.6 117.8#

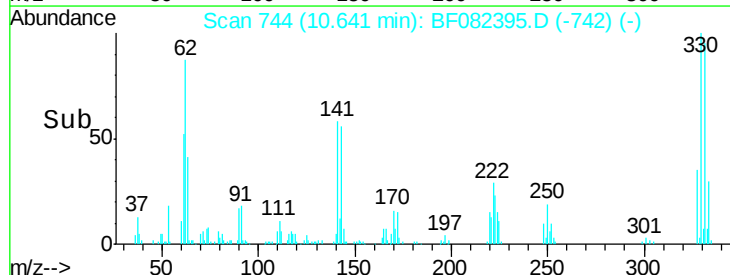
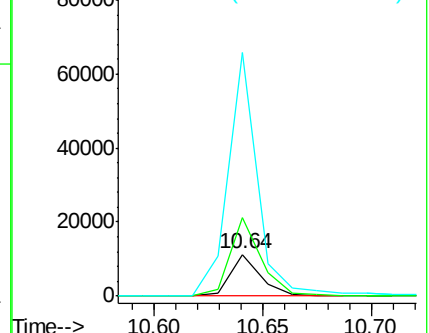
141 580.1 63.3 94.9#

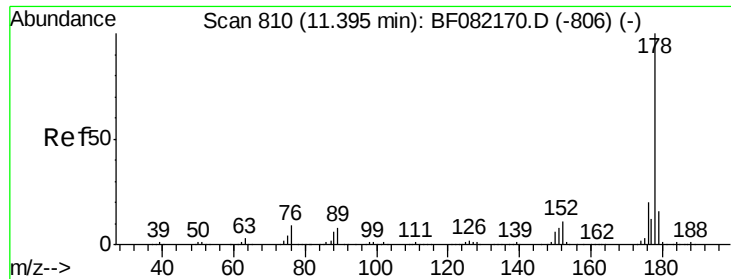


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

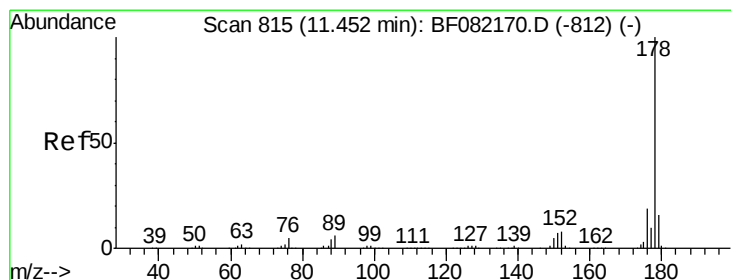
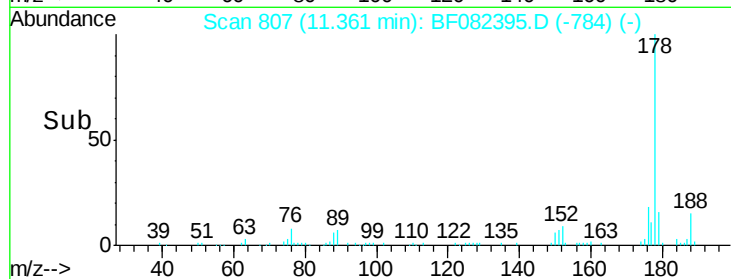
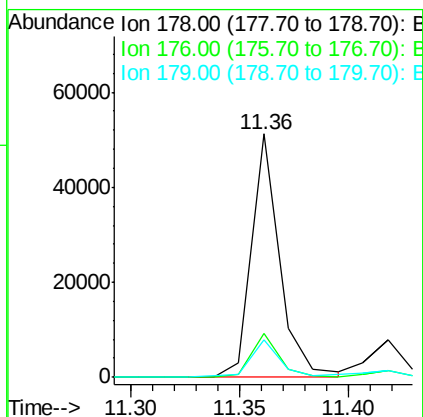
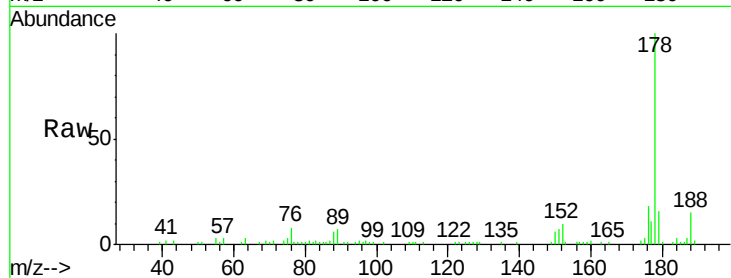




#70
Phenanthrene
Concen: 3.27 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

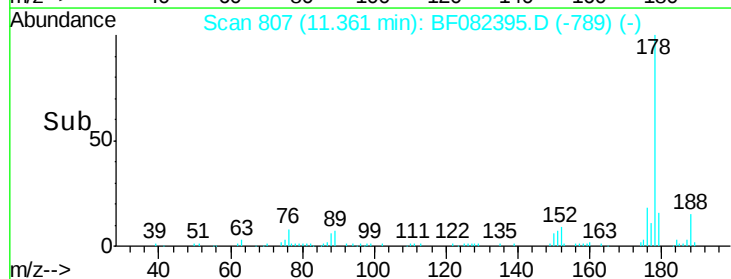
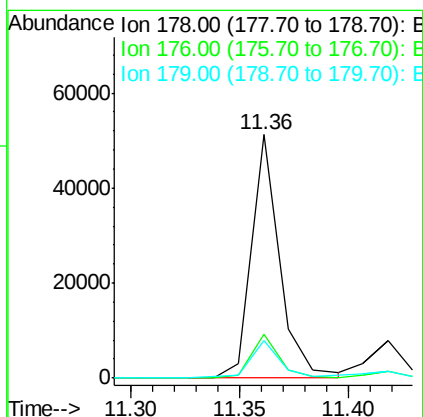
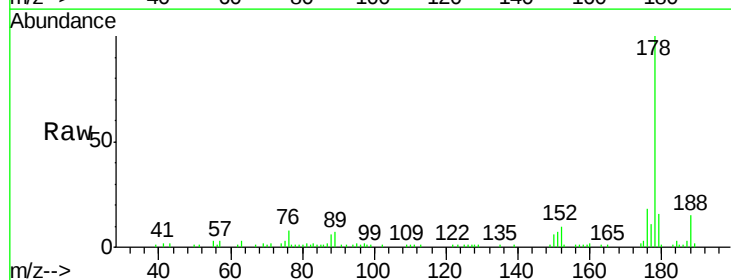
Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05RE

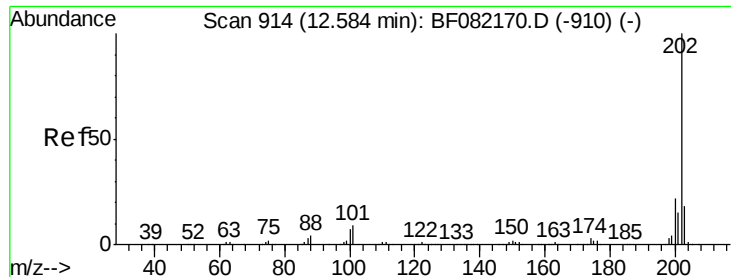
Tgt Ion:178 Resp: 46378
Ion Ratio Lower Upper
178 100
176 17.9 16.0 24.0
179 15.5 12.6 19.0



#71
Anthracene
Concen: 3.17 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.09 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Tgt Ion:178 Resp: 46378
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.0
179 15.5 12.5 18.7

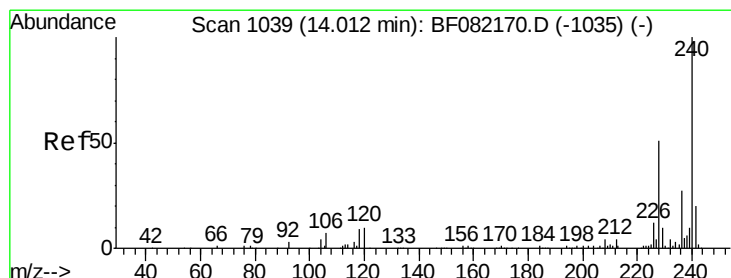
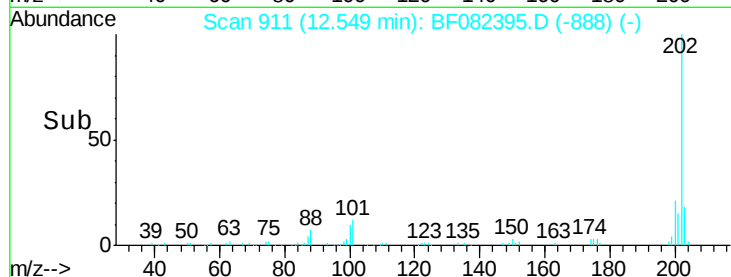
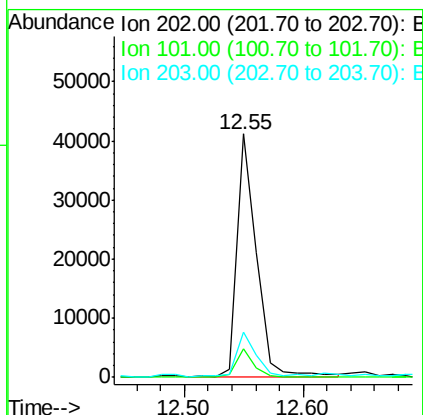
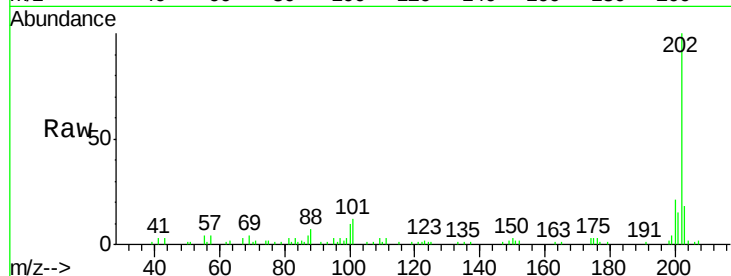




#74
 Fluoranthene
 Concen: 3.14 ng
 RT: 12.55 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: BF082395.D
 Acq: 20 Oct 2015 11:15

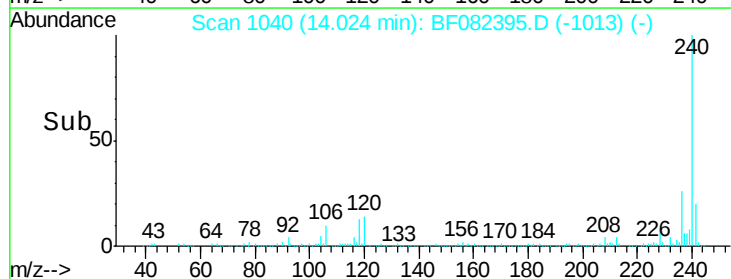
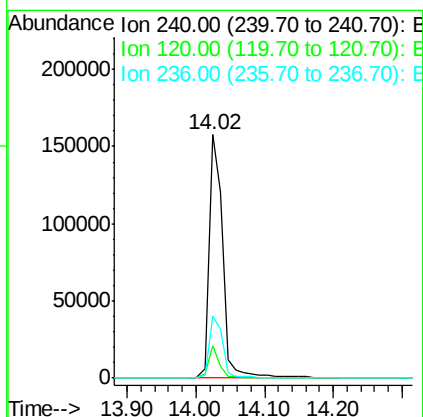
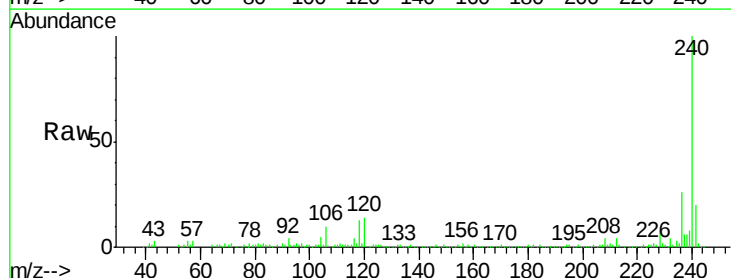
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-2.5-05RE

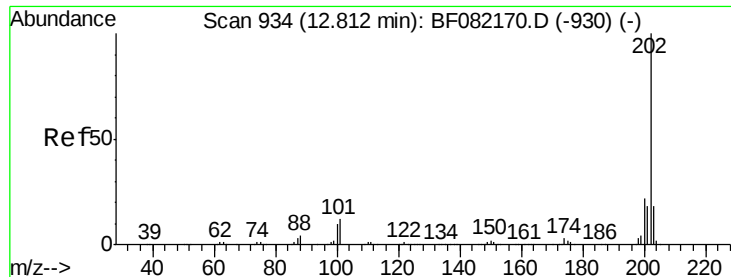
Tgt Ion: 202 Resp: 47922
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 29.3
 203 18.3 0.0 37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: BF082395.D
 Acq: 20 Oct 2015 11:15

Tgt Ion: 240 Resp: 218136
 Ion Ratio Lower Upper
 240 100
 120 13.6 8.1 12.1#
 236 25.6 21.3 31.9





#77

Pyrene

Concen: 4.24 ng

RT: 12.78 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05RE

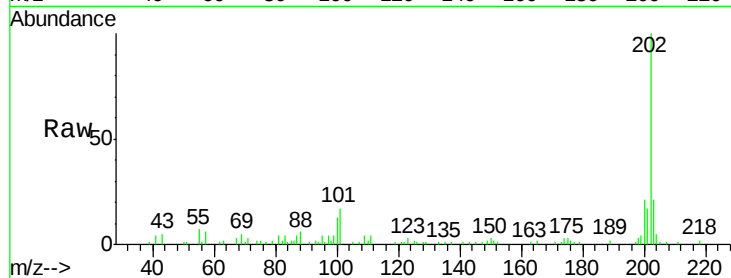
Tgt Ion:202 Resp: 54854

Ion Ratio Lower Upper

202 100

200 20.8 17.9 26.9

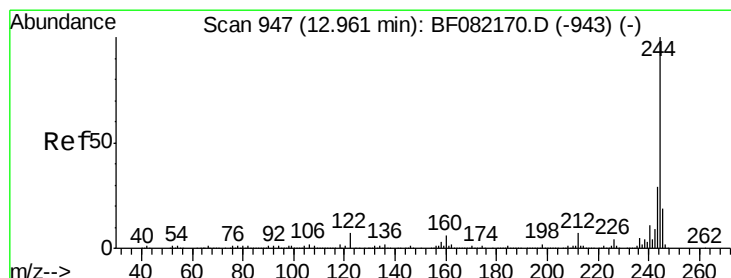
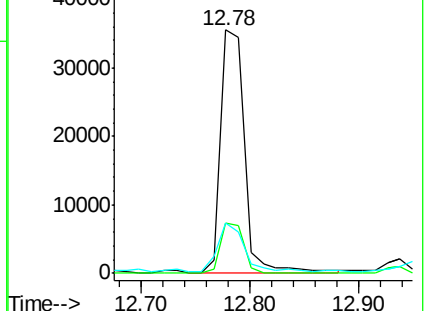
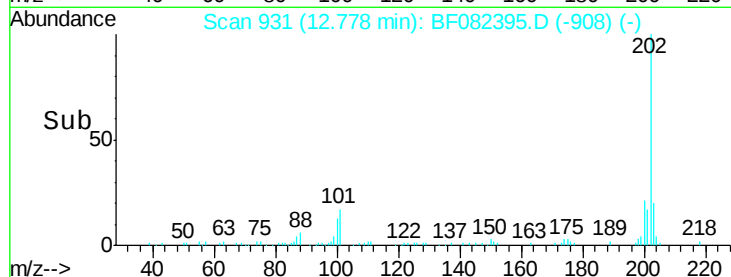
203 20.7 14.5 21.7



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: 84.78 ng

RT: 12.94 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

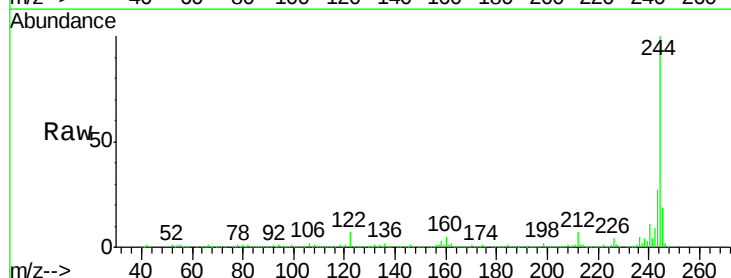
Tgt Ion:244 Resp: 697878

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

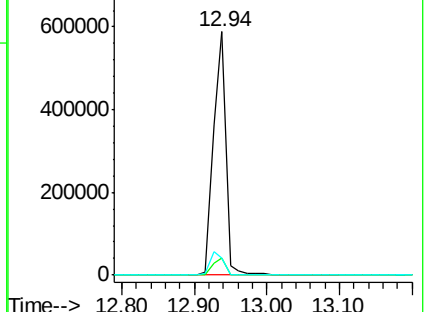
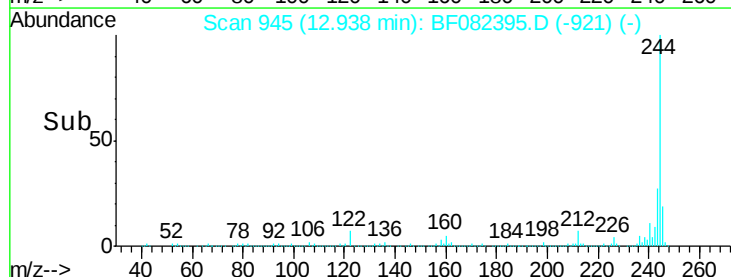
122 6.9 5.9 8.9

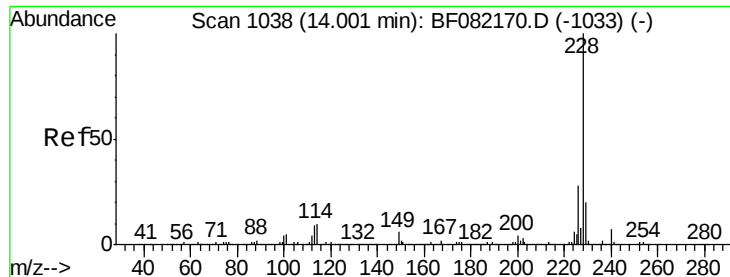


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

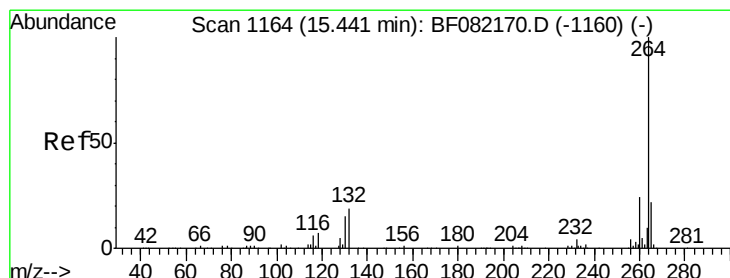
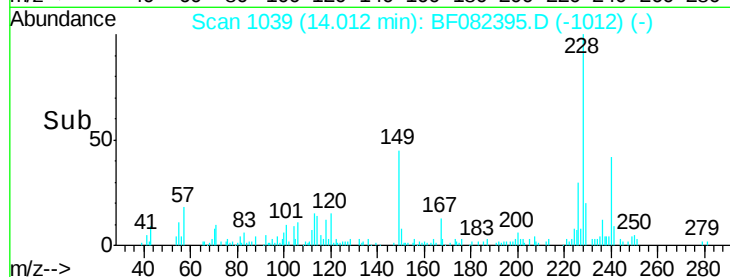
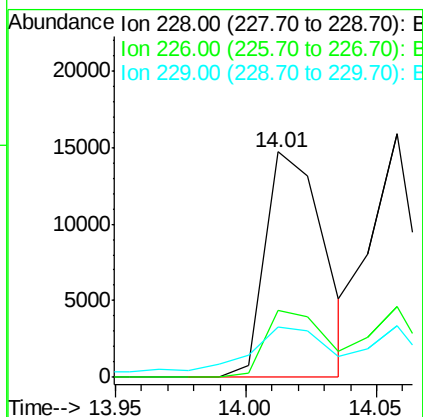
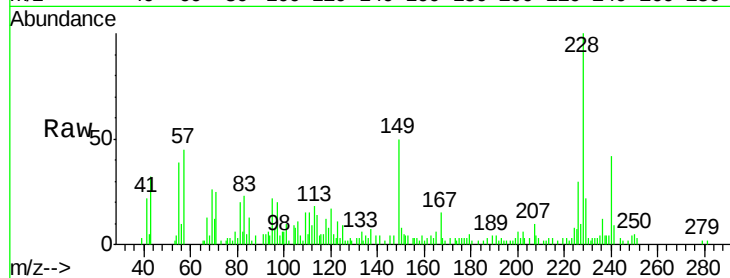
Instrument :

BNA_F

ClientSampleId :

IM-MLA-2.5-05RE

Tgt Ion:	228	Resp:	23126
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.3	33.5
229	22.2	16.2	24.2



#86

Perylene-d12

Concen: 20.00 ng

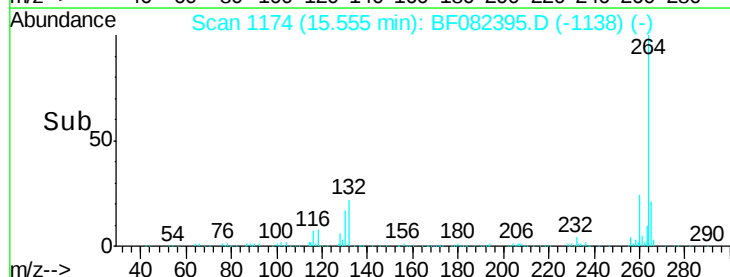
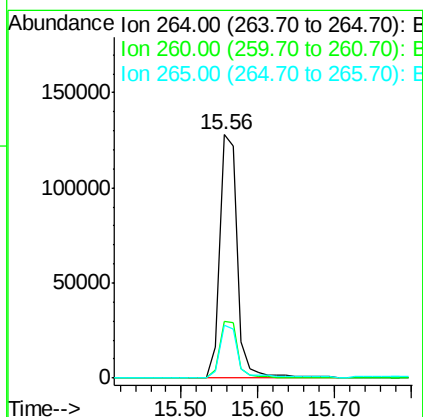
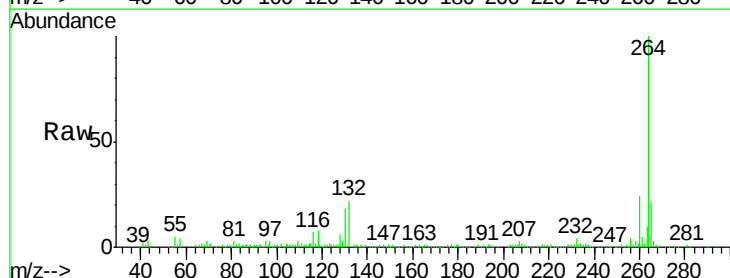
RT: 15.56 min Scan# 1174

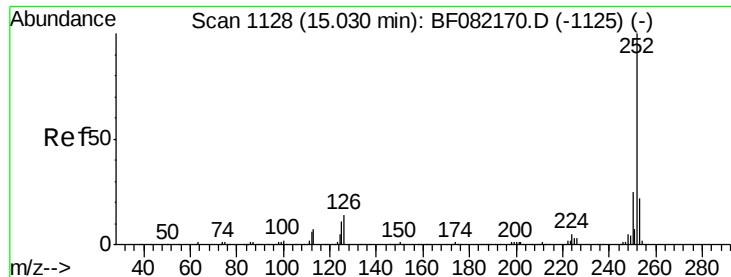
Delta R.T. 0.11 min

Lab File: BF082395.D

Acq: 20 Oct 2015 11:15

Tgt Ion:	264	Resp:	207916
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.5	17.3	25.9

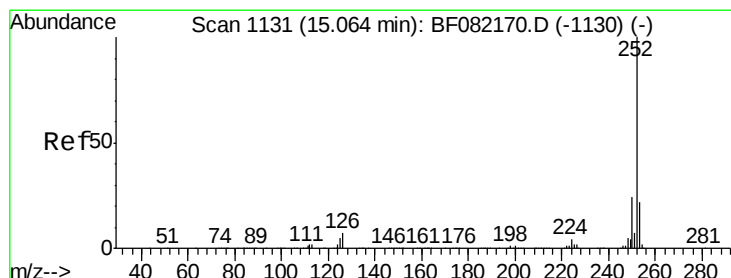
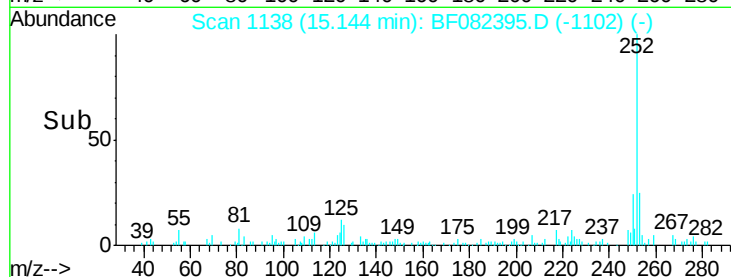
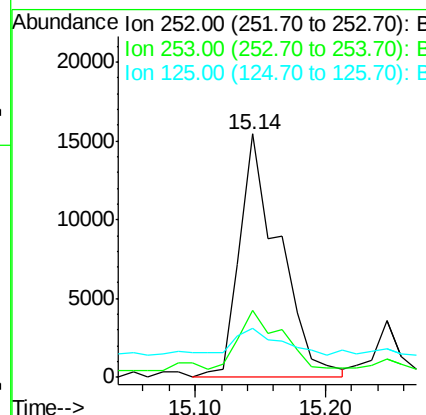
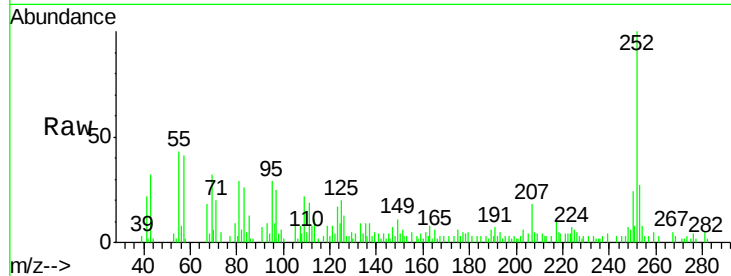




#87
Benzo(b)fluoranthene
Concen: 2.59 ng
RT: 15.14 min Scan# 1138
Delta R.T. 0.11 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Instrument :
BNA_F
ClientSampleId :
IM-MLA-2.5-05RE

Tgt Ion:252 Resp: 32800
Ion Ratio Lower Upper
252 100
253 27.4 18.0 27.0#
125 20.1 8.6 12.8#



#88
Benzo(k)fluoranthene
Concen: 3.08 ng
RT: 15.14 min Scan# 1138
Delta R.T. 0.08 min
Lab File: BF082395.D
Acq: 20 Oct 2015 11:15

Tgt Ion:252 Resp: 32800
Ion Ratio Lower Upper
252 100
253 27.4 17.8 26.6#
125 20.1 6.7 10.1#

