

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082515\
 Data File : BF081211.D
 Acq On : 25 Aug 2015 21:39
 Operator : UM/IZ
 Sample : G3407-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 00:09:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	70483	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	247563	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	105655	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	198189	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	137897	20.00	ng	-0.01
86) Perylene-d12	14.99	264	110493	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.11	112	642811	137.18	ng	0.01
7) Phenol-d6	6.20	99	904838	147.99	ng	0.00
23) Nitrobenzene-d5	7.10	82	468969	86.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	108721	118.71	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	794537	98.53	ng	0.00
78) Terphenyl-d14	12.62	244	530786	82.52	ng	-0.01

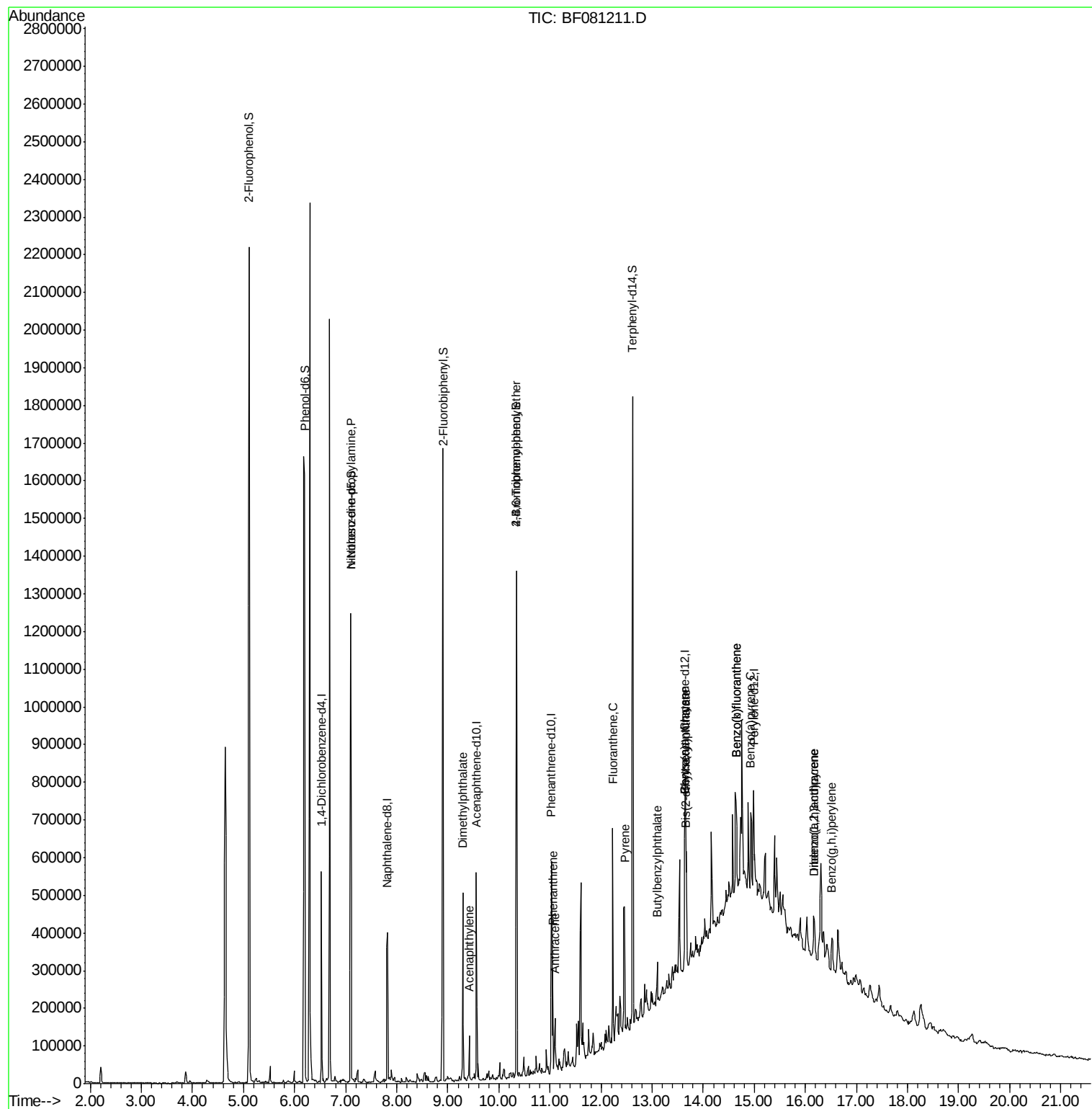
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.10	70	63932	15.09	ng	# 70
48) Acenaphthylene	9.42	152	44388	3.32	ng	98
49) Dimethylphthalate	9.29	163	176881	20.33	ng	99
66) 4-Bromophenyl-phenylether	10.34	248	8822	4.53	ng	# 1
70) Phenanthrene	11.05	178	89285	7.60	ng	99
71) Anthracene	11.10	178	42910	3.75	ng	99
74) Fluoranthene	12.23	202	215049	16.97	ng	96
77) Pyrene	12.46	202	201877	18.01	ng	99
79) Butylbenzylphthalate	13.10	149	24204	5.02	ng	# 84
80) Benzo(a)anthracene	13.64	228	119034	12.87	ng	# 90
82) Chrysene	13.64	228	119034	14.28	ng	93
83) Bis(2-ethylhexyl)phthalate	13.66	149	33406	5.41	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.16	276	61730	10.55	ng	94
87) Benzo(b)fluoranthene	14.64	252	190928	24.43	ng	# 92
88) Benzo(k)fluoranthene	14.64	252	190928	26.22	ng	96
89) Benzo(a)pyrene	14.93	252	106524	15.64	ng	# 88
90) Dibenzo(a,h)anthracene	16.17	278	19942	3.76	ng	# 72
91) Benzo(g,h,i)perylene	16.52	276	67417	12.52	ng	# 85

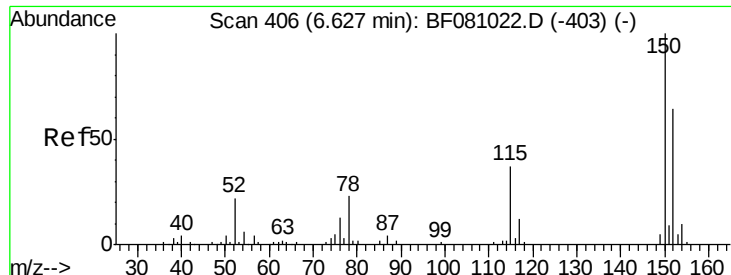
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082515\
Data File : BF081211.D
Acq On : 25 Aug 2015 21:39
Operator : UM/IZ
Sample : G3407-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 26 00:09:49 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration



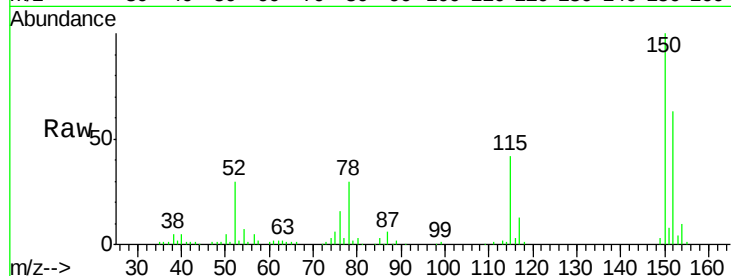


#1

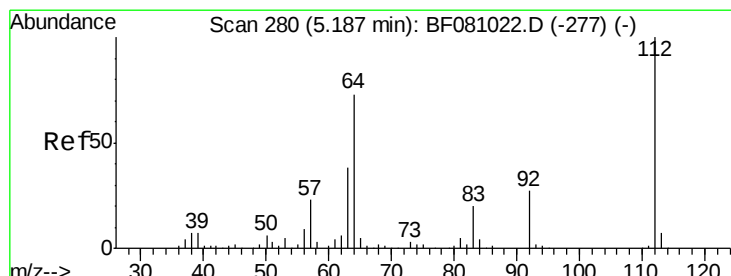
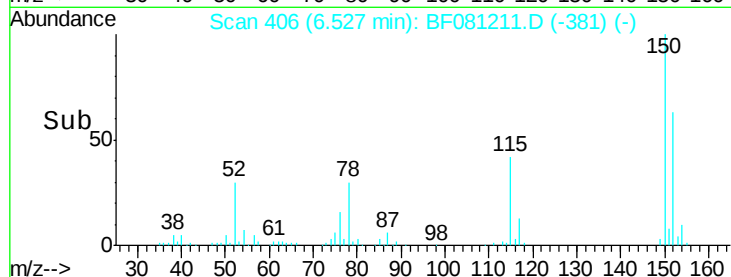
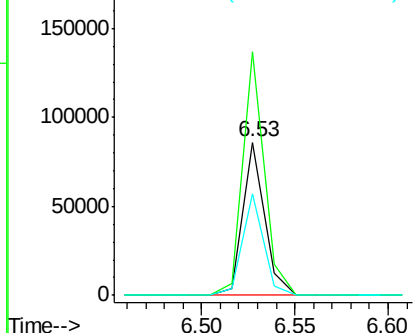
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70483
Ion Ratio Lower Upper
152 100
150 159.0 123.8 185.6
115 66.3 52.1 78.1



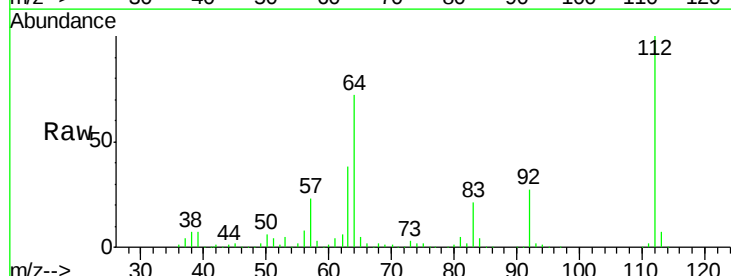
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



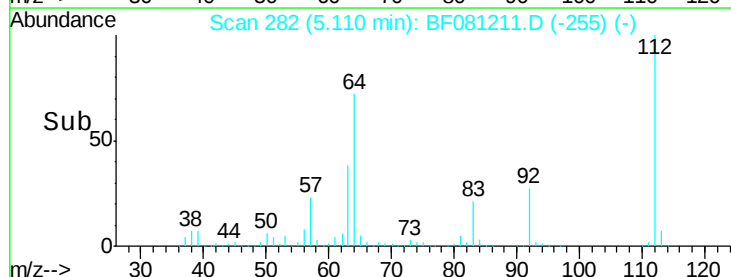
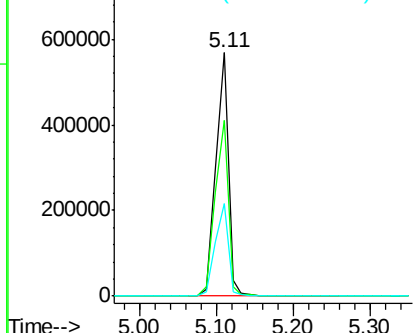
#5

2-Fluorophenol
Concen: 137.18 ng
RT: 5.11 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:112 Resp: 642811
Ion Ratio Lower Upper
112 100
64 72.4 66.9 100.3
63 38.1 38.1 57.1#



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: 147.99 ng

RT: 6.20 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

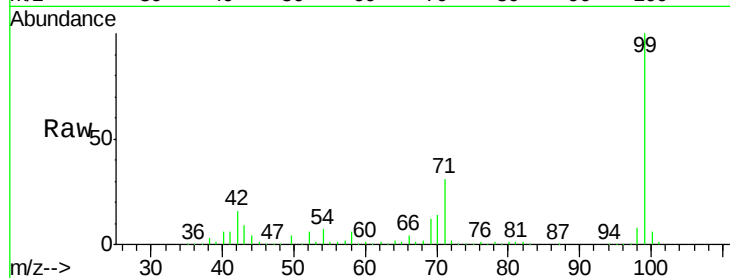
Tot Ion: 99 Resp: 904838

Ion Ratio Lower Upper

99 100

42 16.3 19.6 29.4#

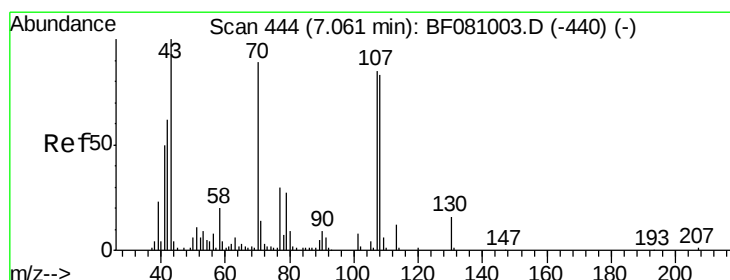
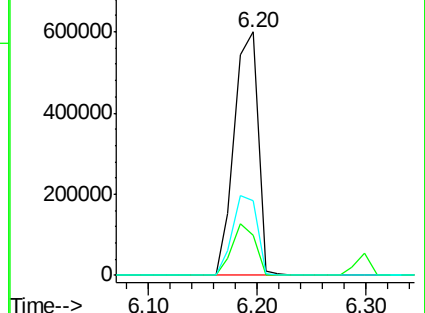
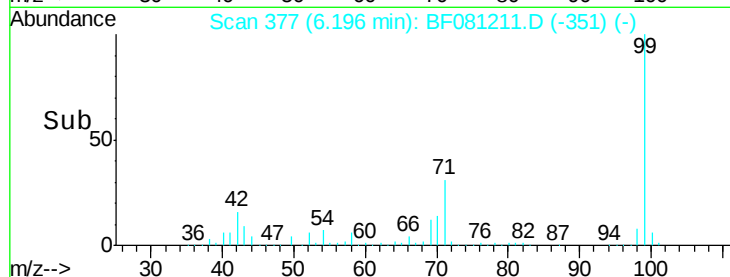
71 30.9 31.2 46.8#



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: 15.09 ng

RT: 7.10 min Scan# 456

Delta R.T. 0.11 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Tgt Ion: 70 Resp: 63932

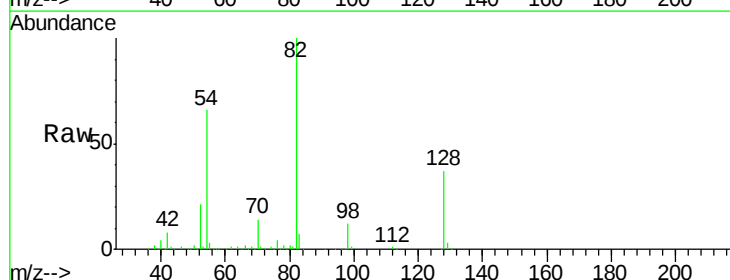
Ion Ratio Lower Upper

70 100

42 55.0 65.0 97.4#

101 0.0 7.4 11.2#

130 1.8 13.0 19.4#

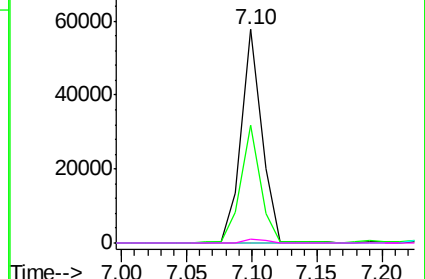
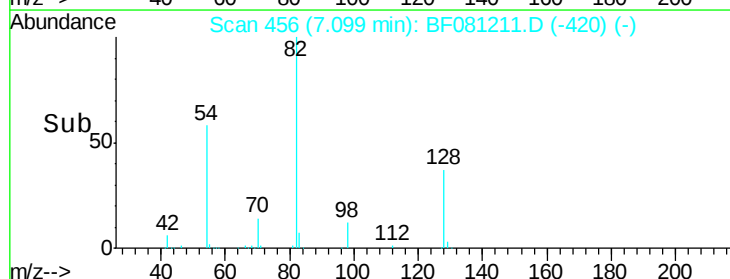


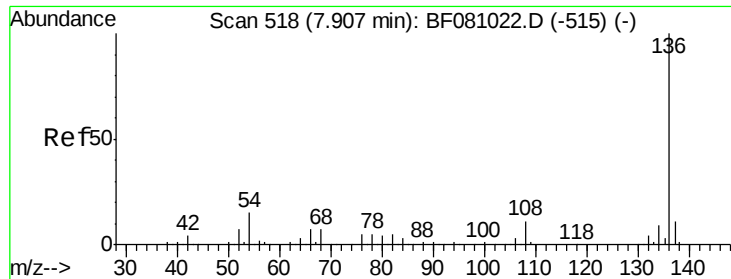
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

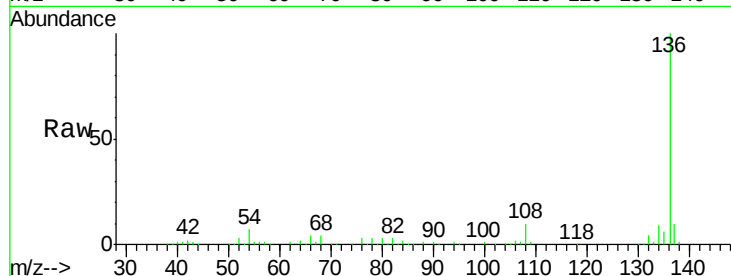




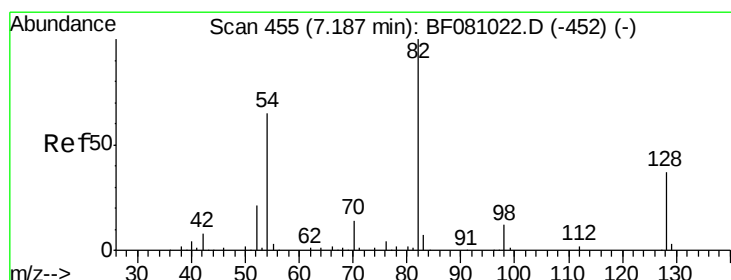
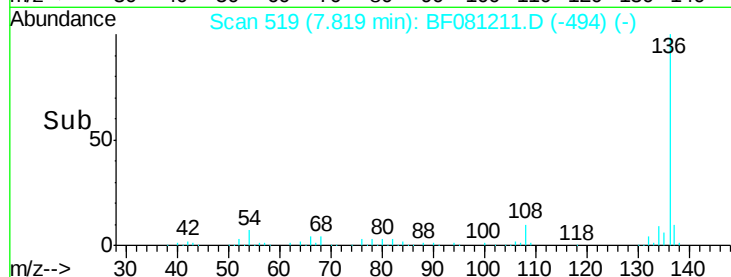
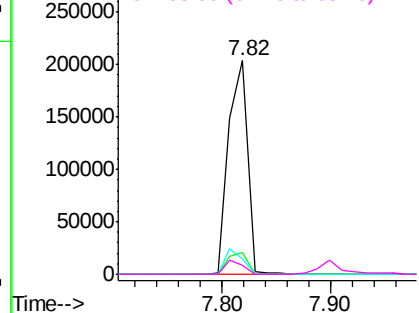
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	247563
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.2
54	7.3	7.7	11.5#
68	4.0	3.4	5.2

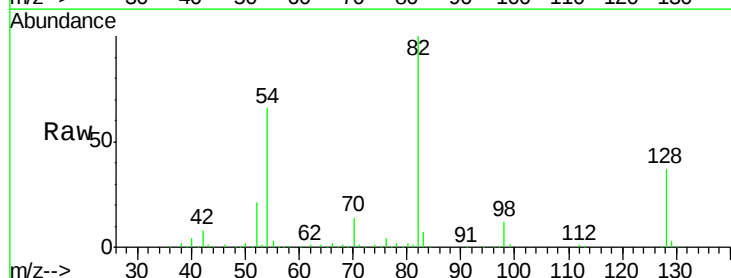


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

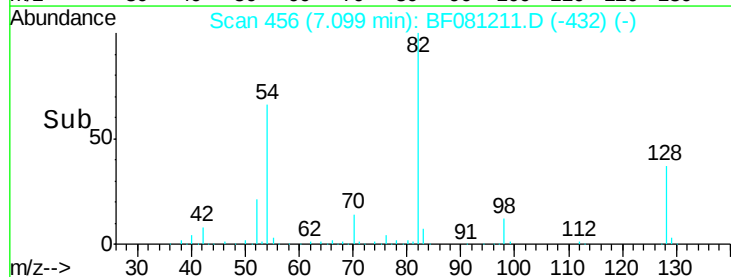
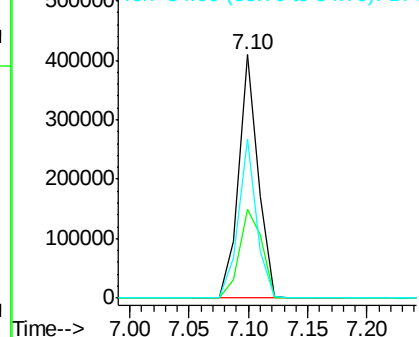


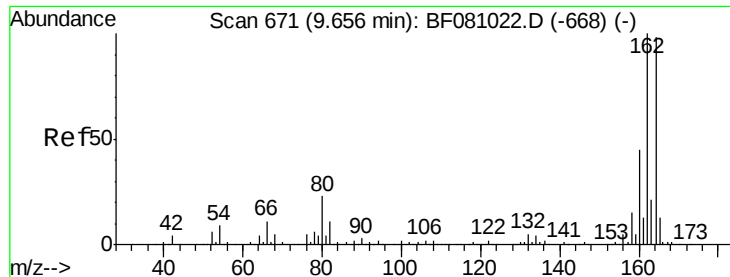
#23
Nitrobenzene-d5
Concen: 86.54 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:	82	Resp:	468969
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.6	42.8
54	65.5	55.1	82.7



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

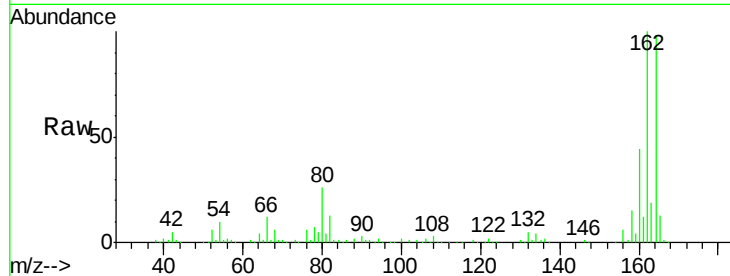




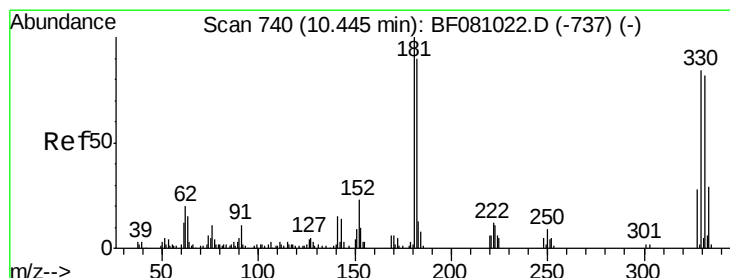
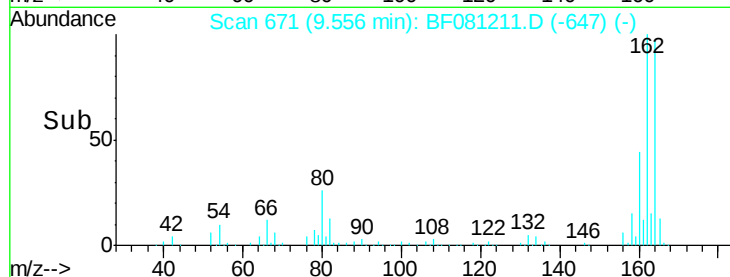
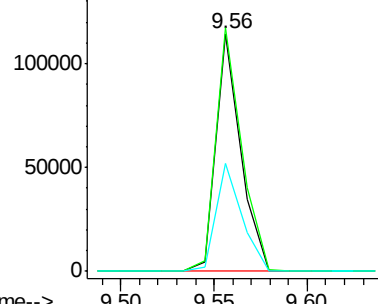
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.8	125.8
160	45.2	39.8	59.8

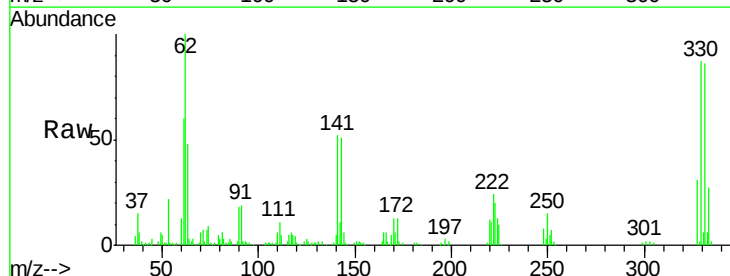


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

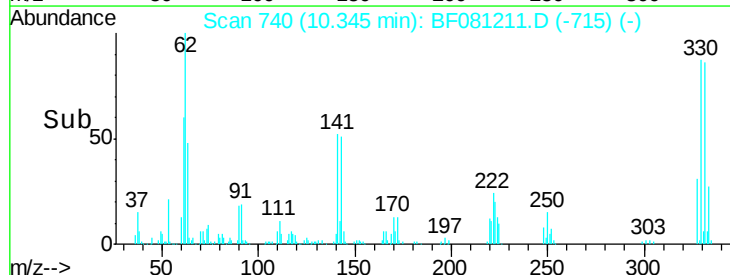
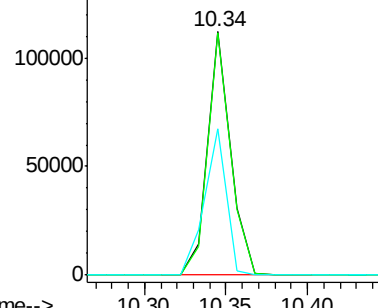


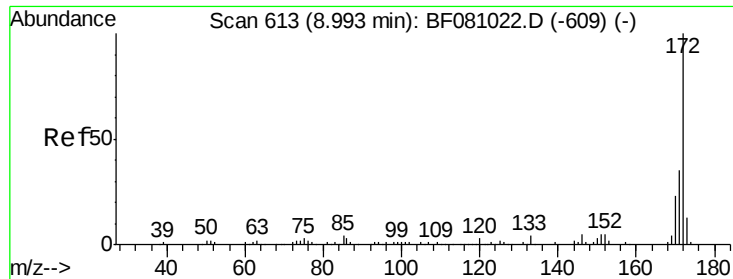
#41
2,4,6-Tribromophenol
Concen: 118.71 ng
RT: 10.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.3	115.9
141	58.0	44.9	67.3



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

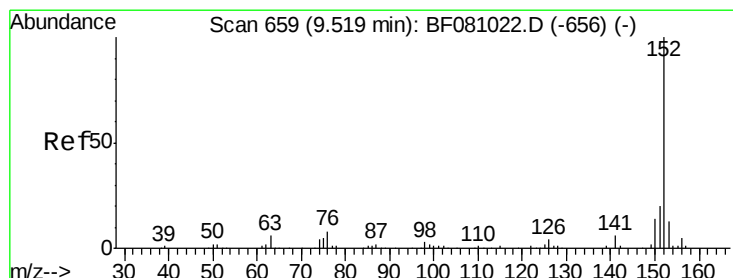
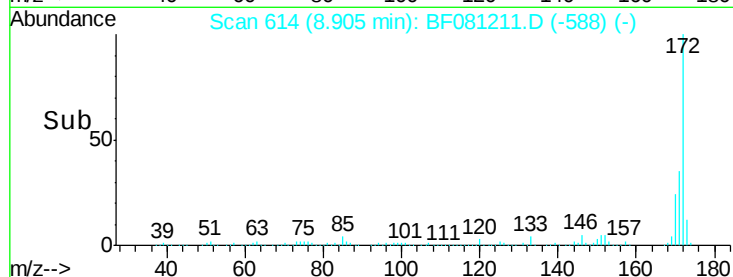
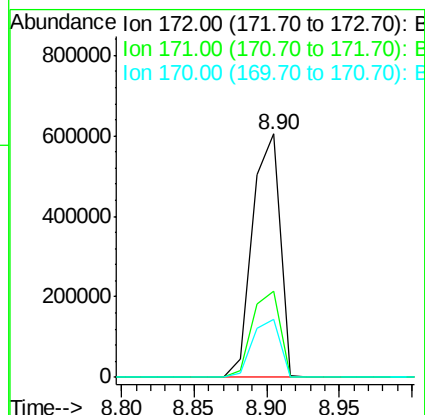
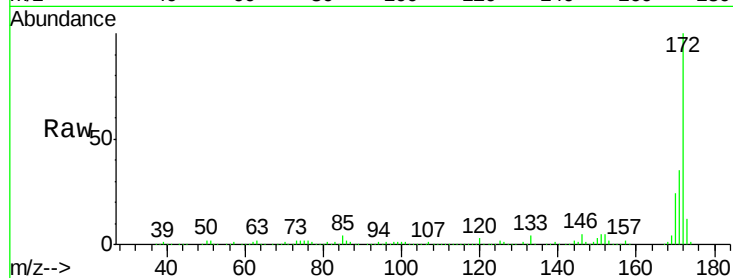




#44
 2-Fluorobiphenyl
 Concen: 98.53 ng
 RT: 8.90 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

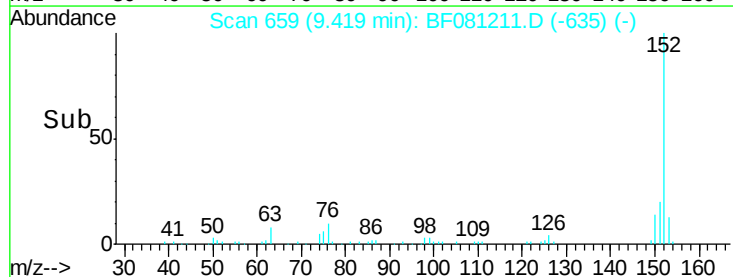
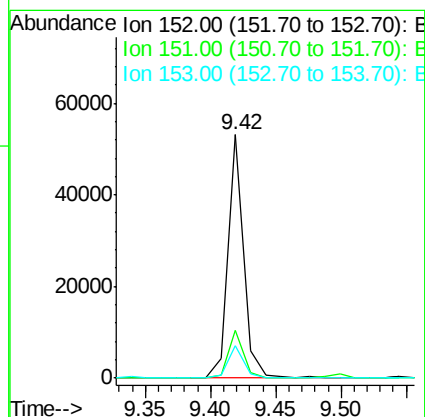
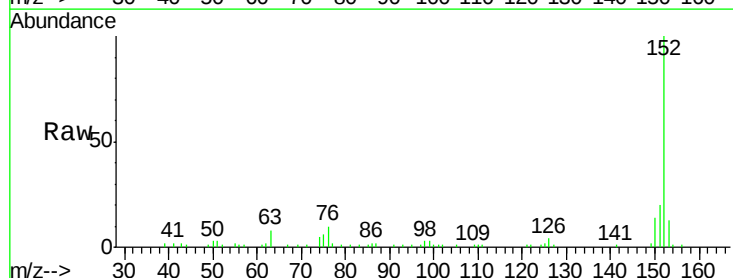
Instrument :
 BNA_F
 ClientSampleId :

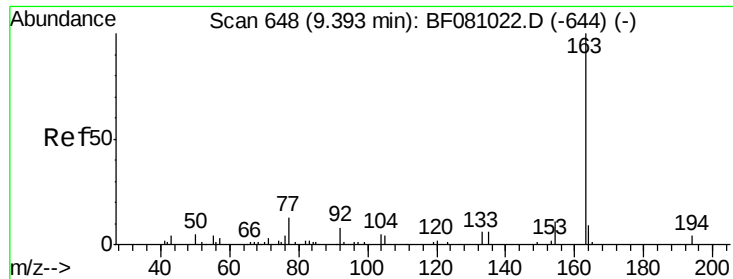
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	24.1	19.4	29.2



#48
 Acenaphthylene
 Concen: 3.32 ng
 RT: 9.42 min Scan# 659
 Delta R.T. -0.02 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.2	9.8	14.6

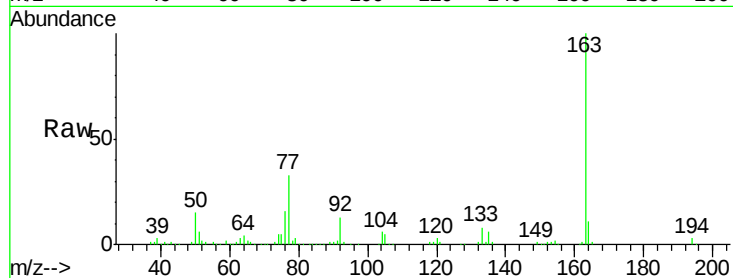




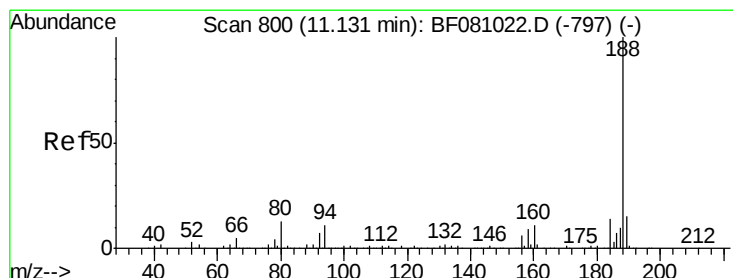
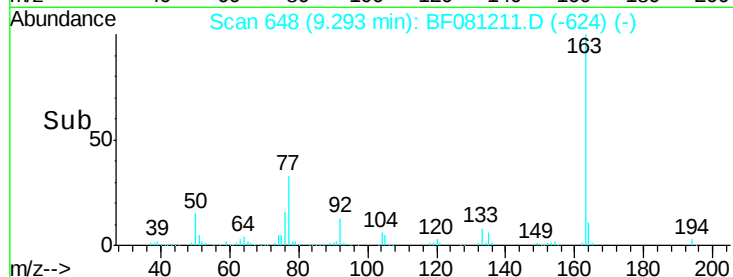
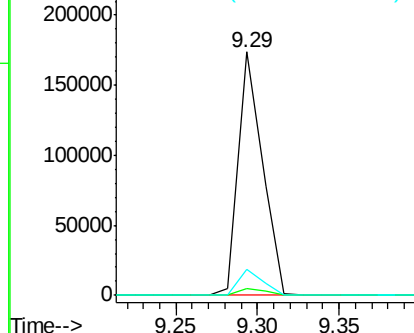
#49
Dimethylphthalate
Concen: 20.33 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 176881
Ion Ratio Lower Upper
163 100
194 3.0 2.5 3.7
164 10.6 8.1 12.1

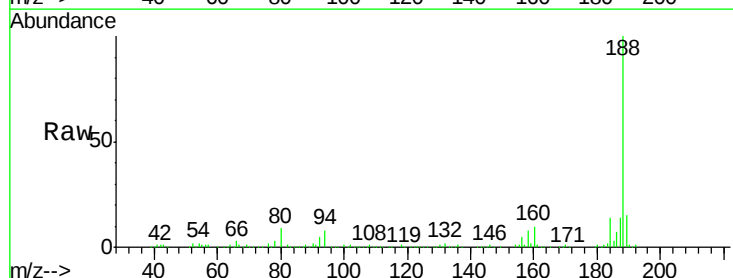


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

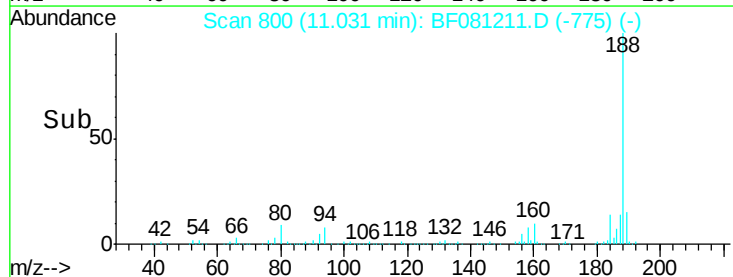
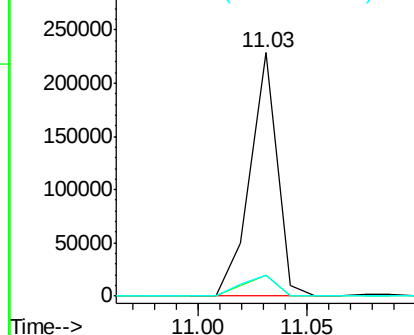


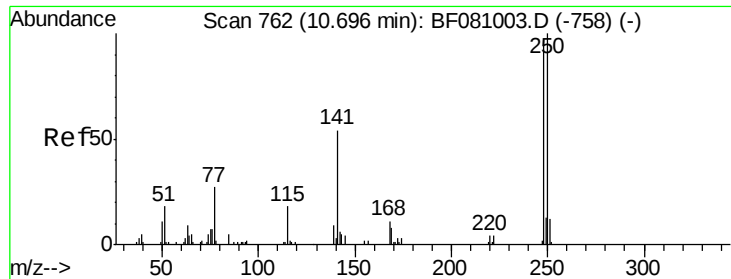
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:188 Resp: 198189
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.2
80 8.5 9.5 14.3#



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

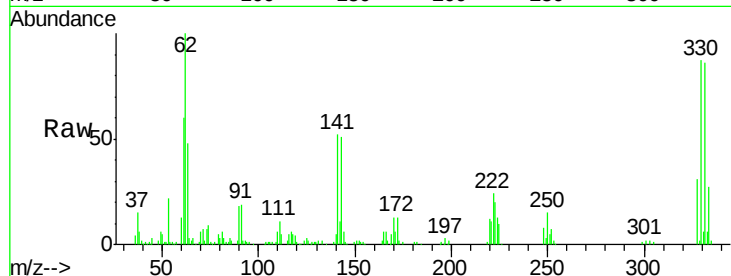




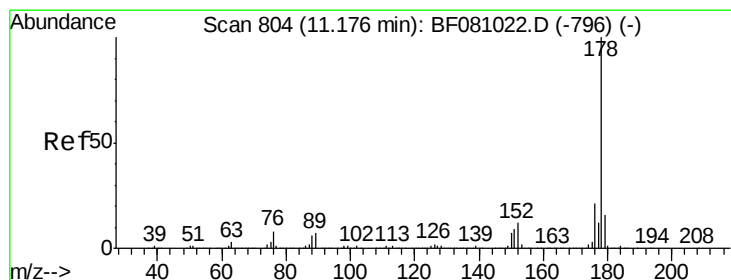
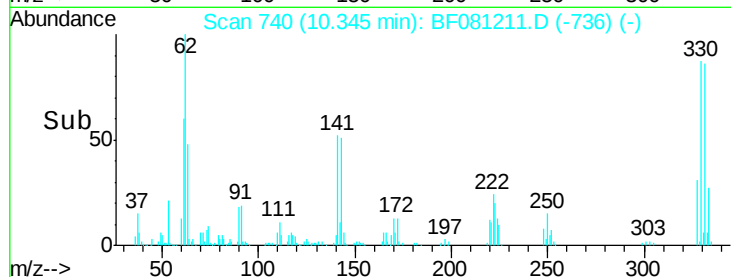
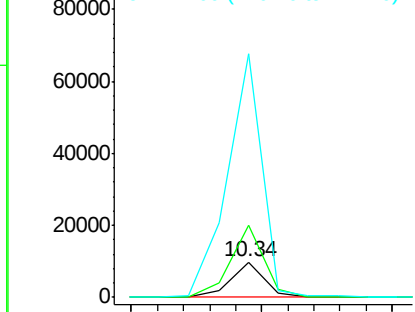
#66
4-Bromophenyl-phenylether
Concen: 4.53 ng
RT: 10.34 min Scan# 740
Delta R.T. -0.25 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 8822
Ion Ratio Lower Upper
248 100
250 201.9 77.8 116.6#
141 686.4 39.8 59.6#

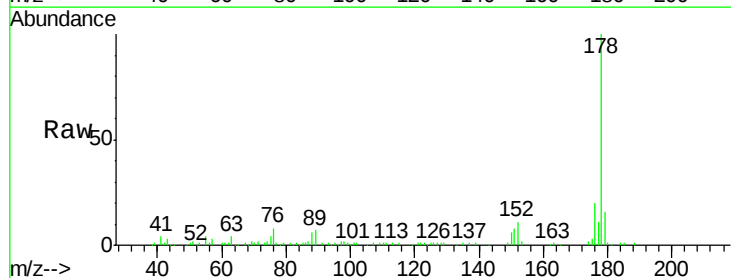


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

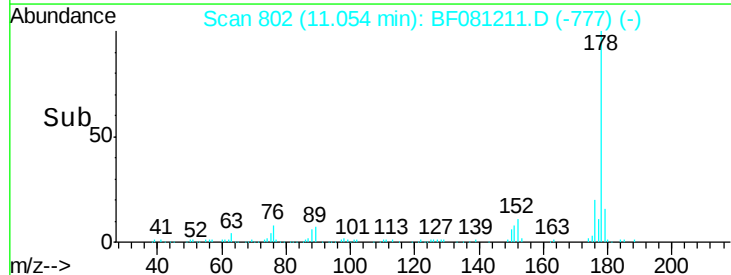
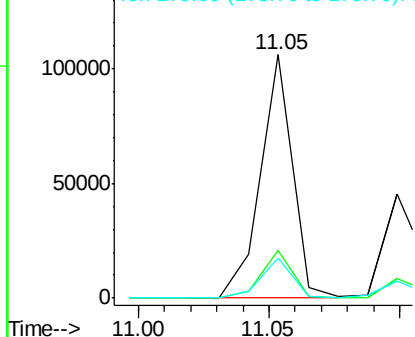


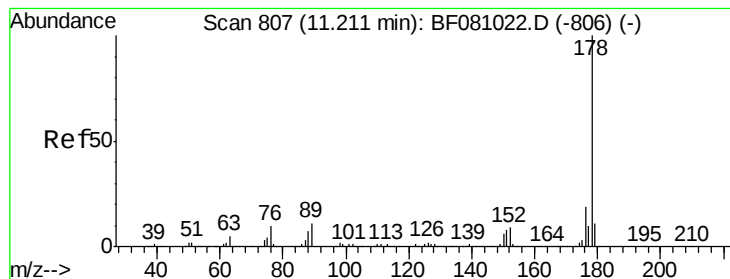
#70
Phenanthrene
Concen: 7.60 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion:178 Resp: 89285
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.2 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





#71

Anthracene

Concen: 3.75 ng

RT: 11.10 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

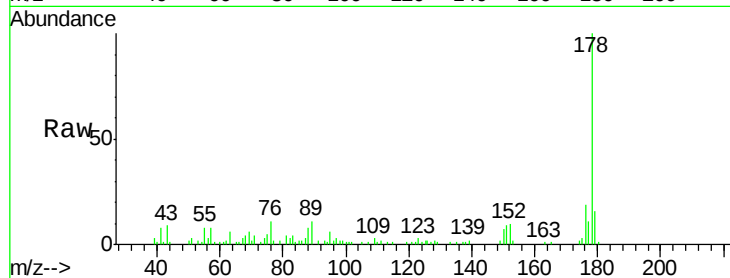
Tot Ion:178 Resp: 42910

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

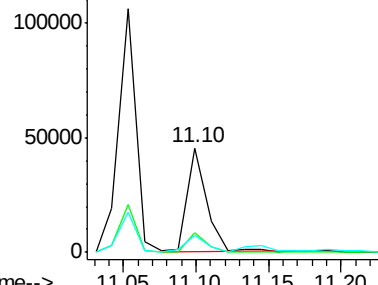
179 16.3 12.7 19.1



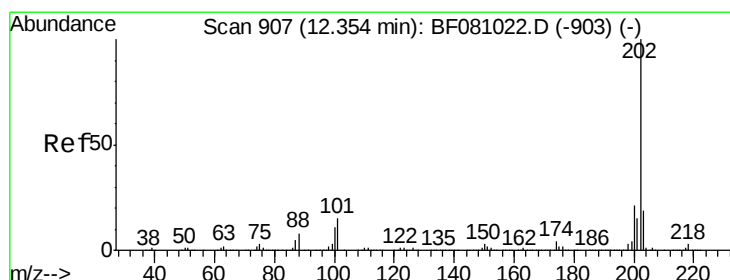
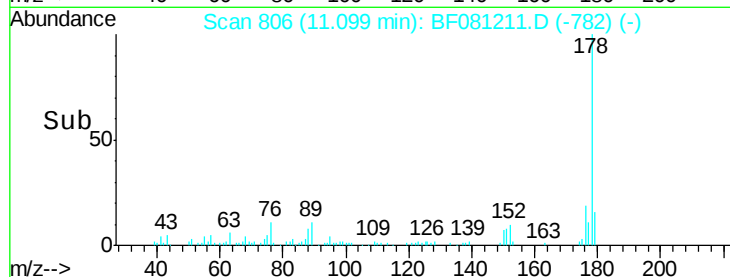
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 16.97 ng

RT: 12.23 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

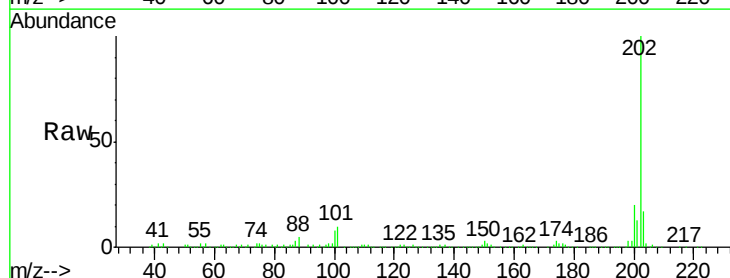
Tgt Ion:202 Resp: 215049

Ion Ratio Lower Upper

202 100

101 10.0 0.0 24.8

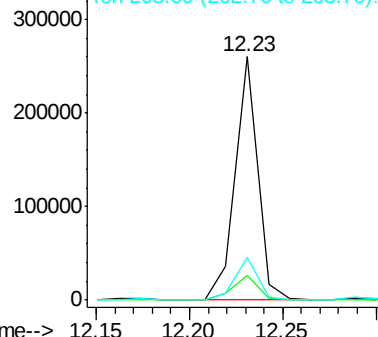
203 17.3 0.0 36.9



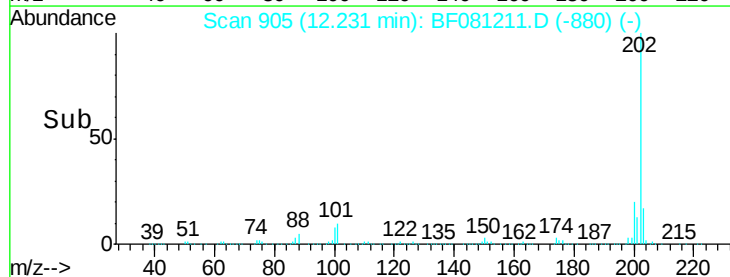
Abundance Ion 202.00 (201.70 to 202.70): E

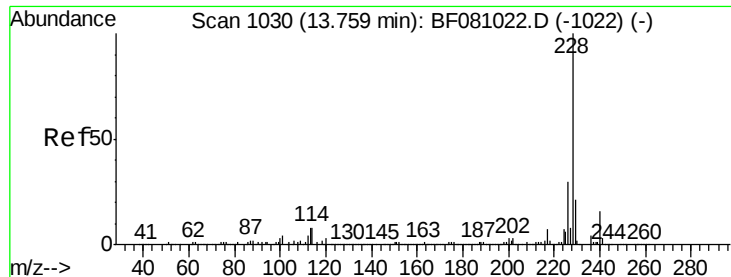
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

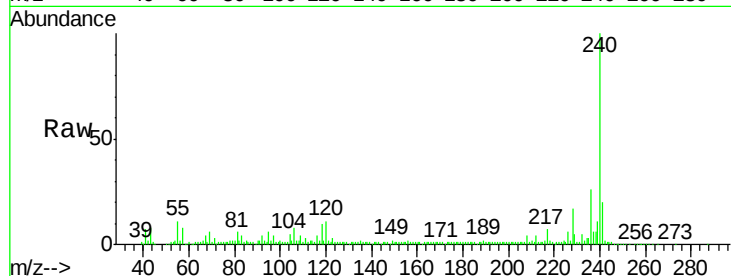
Tot Ion:240 Resp: 137897

Ion Ratio Lower Upper

240 100

120 11.0 5.6 8.4#

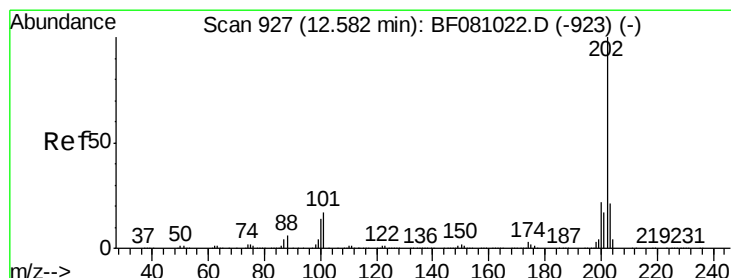
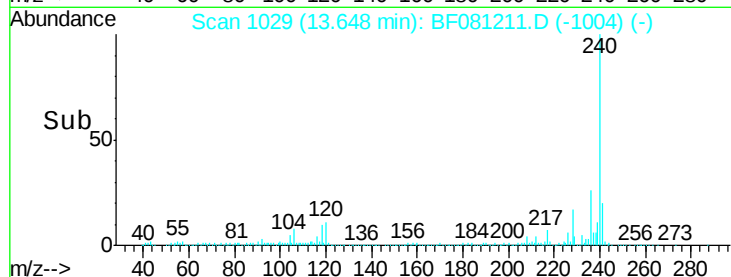
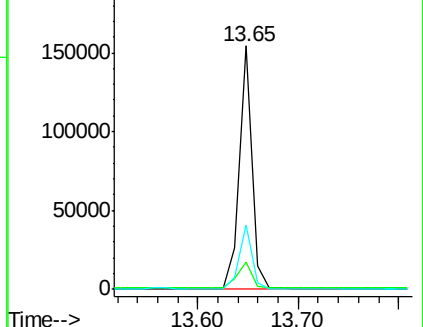
236 26.3 20.6 30.8



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: 18.01 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

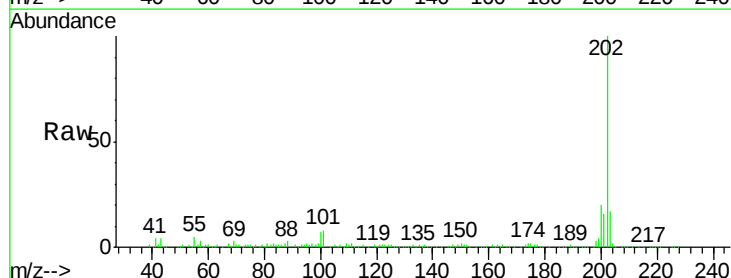
Tgt Ion:202 Resp: 201877

Ion Ratio Lower Upper

202 100

200 19.7 16.6 24.8

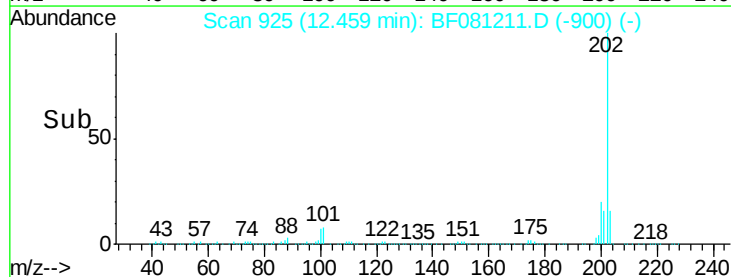
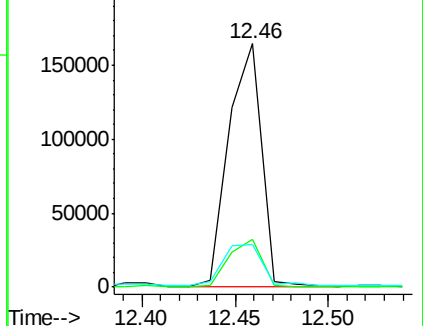
203 17.4 14.1 21.1

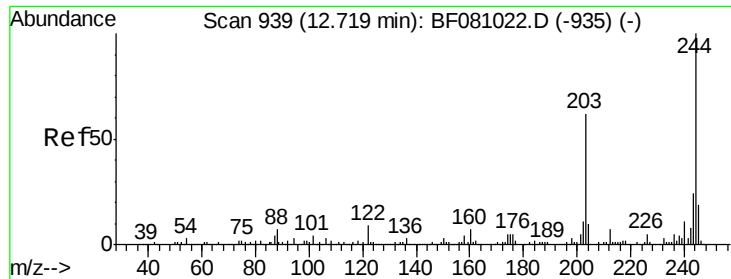


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

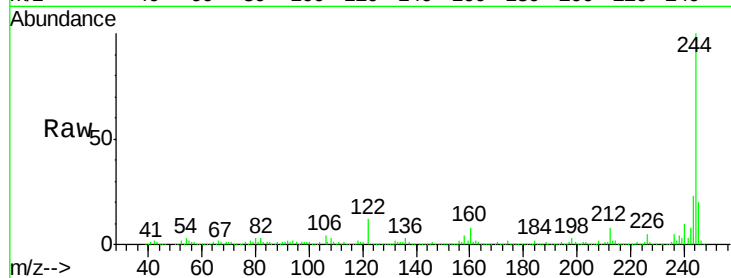




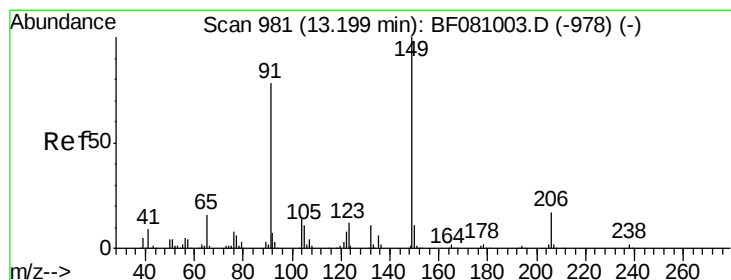
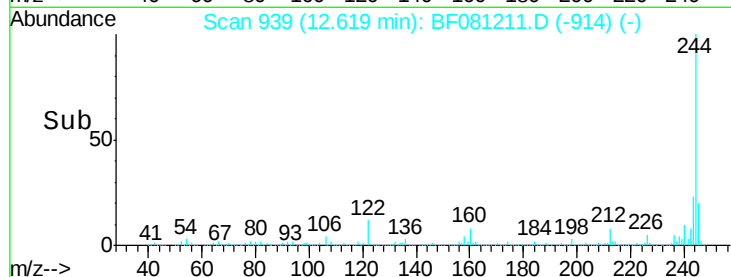
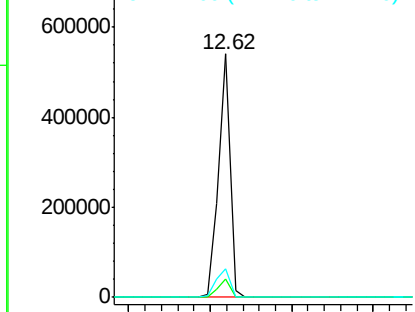
#78
 Terphenyl-d14
 Concen: 82.52 ng
 RT: 12.62 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 530786
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 11.8 8.2 12.4

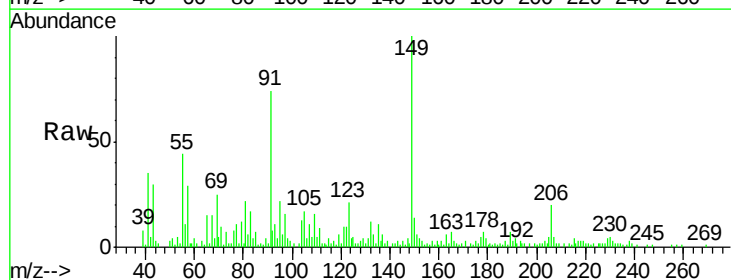


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

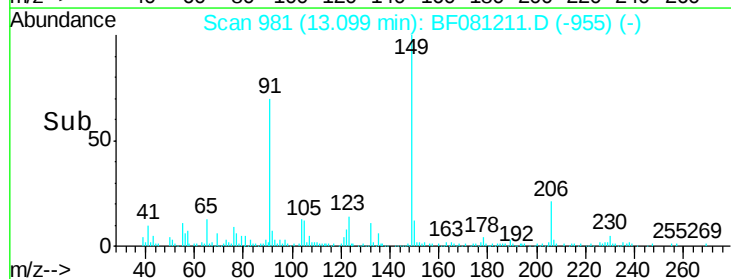
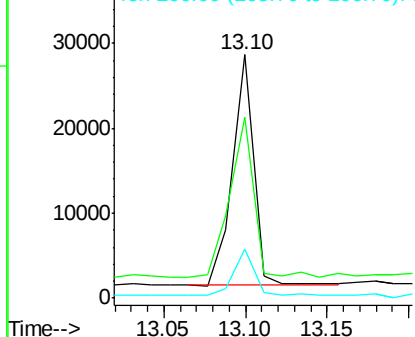


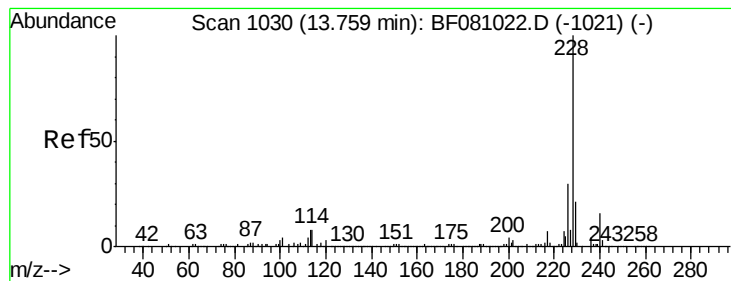
#79
 Butylbenzylphthalate
 Concen: 5.02 ng
 RT: 13.10 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF081211.D
 Acq: 25 Aug 2015 21:39

Tgt Ion:149 Resp: 24204
 Ion Ratio Lower Upper
 149 100
 91 74.4 46.9 70.3#
 206 20.3 17.0 25.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 12.87 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

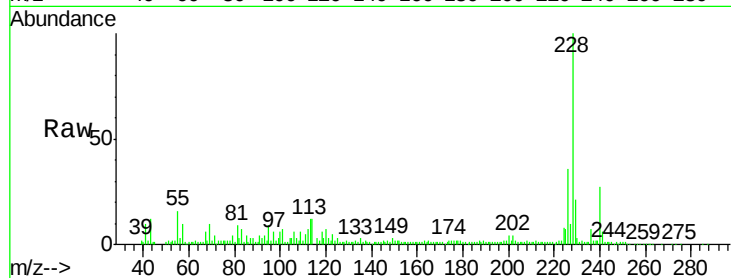
Tot Ion:228 Resp: 119034

Ion Ratio Lower Upper

228 100

226 35.8 22.3 33.5#

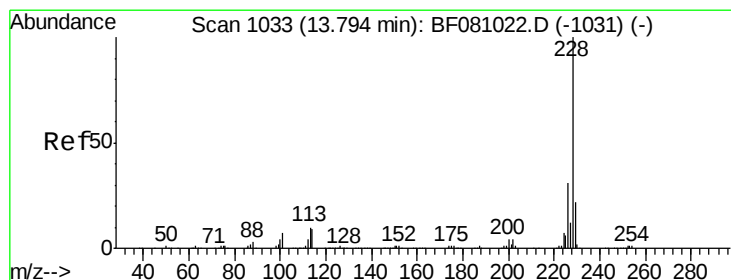
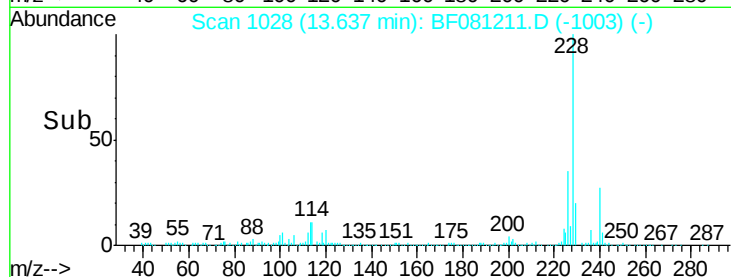
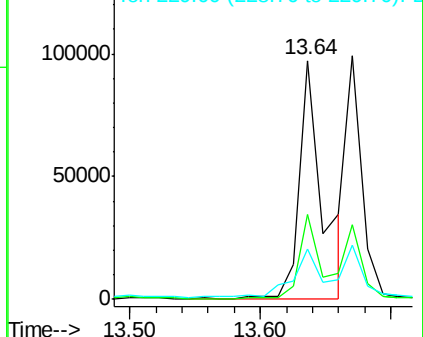
229 21.3 15.9 23.9



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: 14.28 ng

RT: 13.64 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

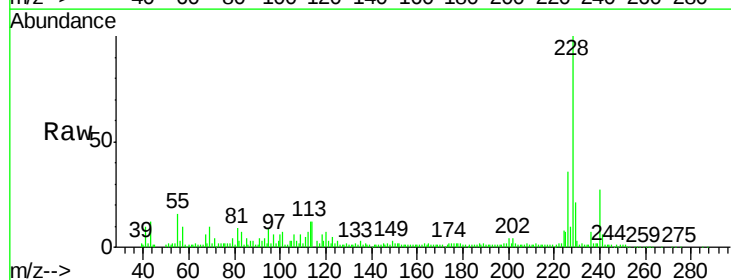
Tgt Ion:228 Resp: 119034

Ion Ratio Lower Upper

228 100

226 35.8 24.4 36.6

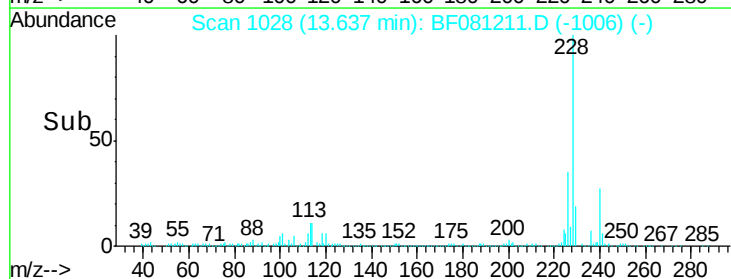
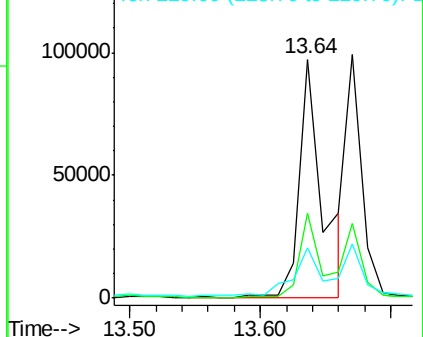
229 21.3 16.0 24.0

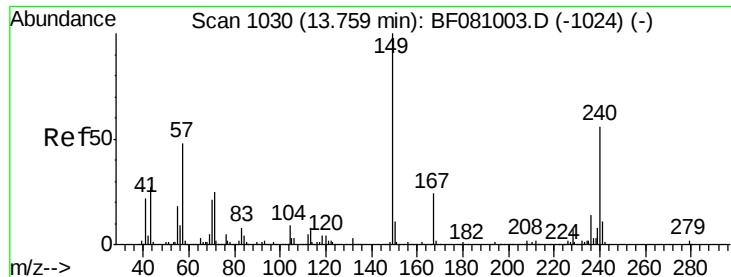


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.41 ng

RT: 13.66 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampleId :

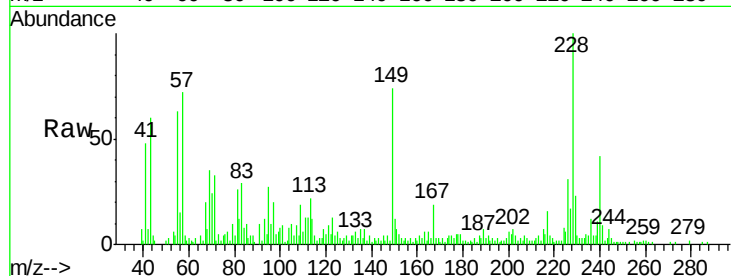
Tot Ion:149 Resp: 33406

Ion Ratio Lower Upper

149 100

167 25.8 20.7 31.1

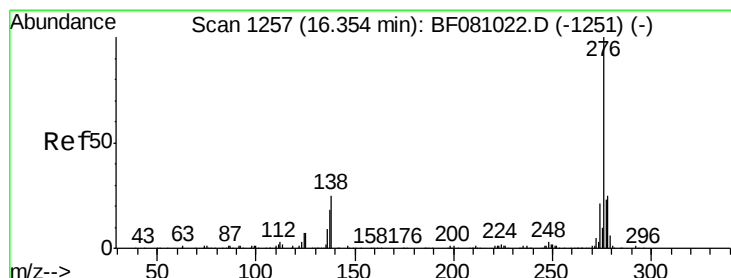
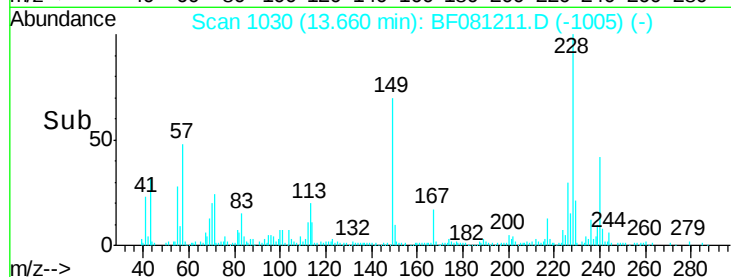
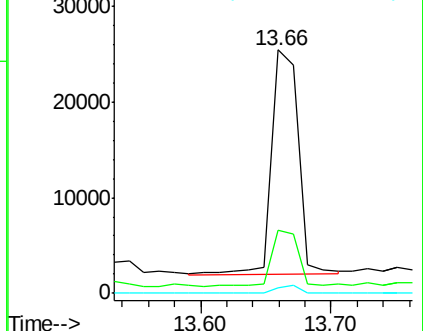
279 2.1 2.2 3.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.55 ng

RT: 16.16 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

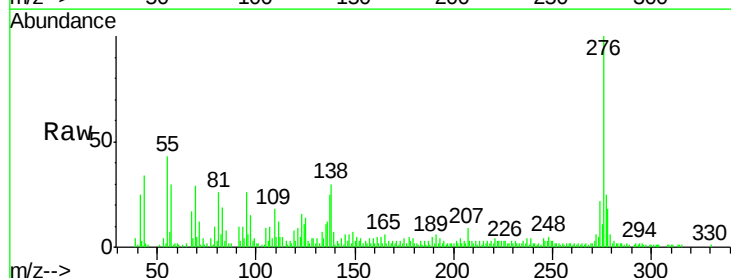
Tgt Ion:276 Resp: 61730

Ion Ratio Lower Upper

276 100

138 26.3 18.6 28.0

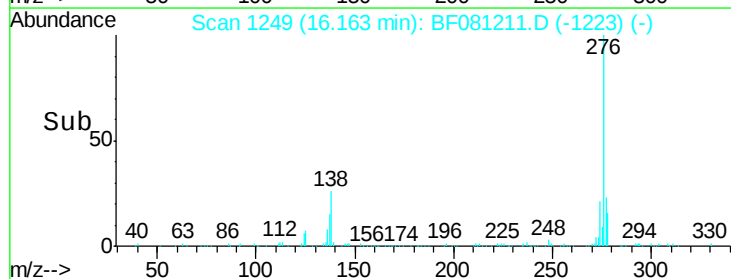
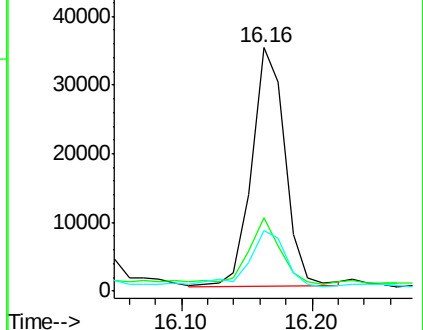
277 27.7 19.8 29.8

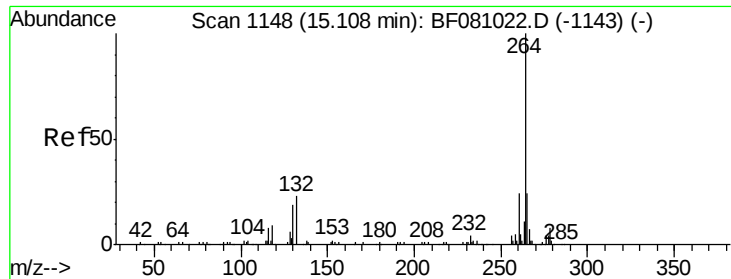


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.99 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampled :

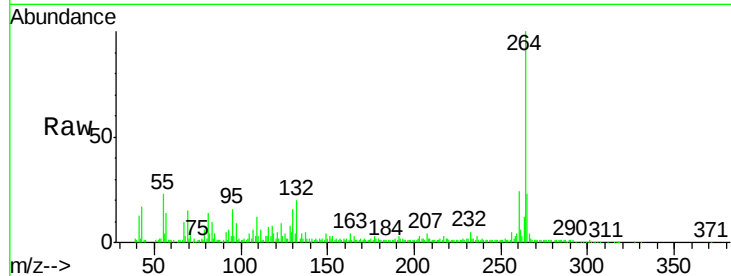
Tot Ion:264 Resp: 110493

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

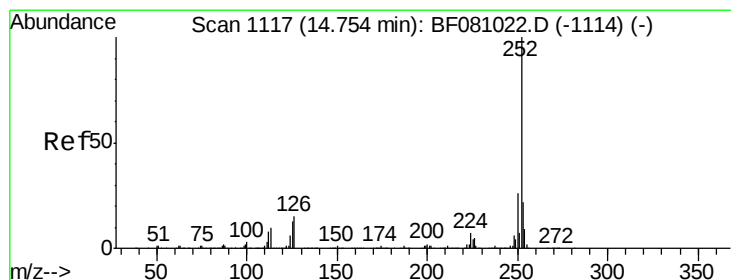
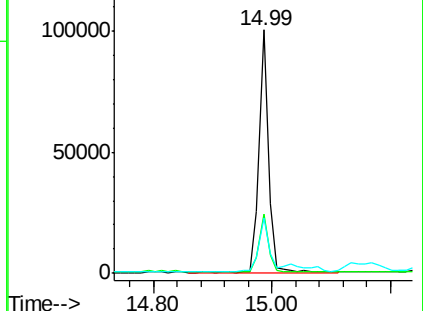
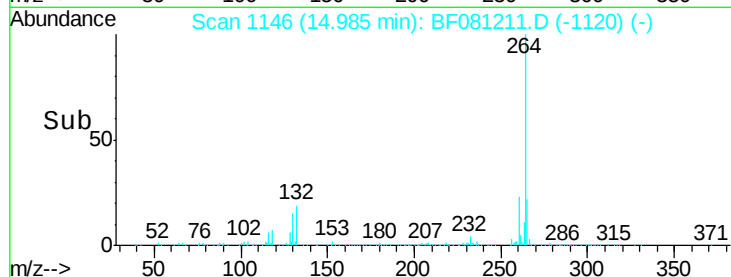
265 22.7 17.5 26.3



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: 24.43 ng

RT: 14.64 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

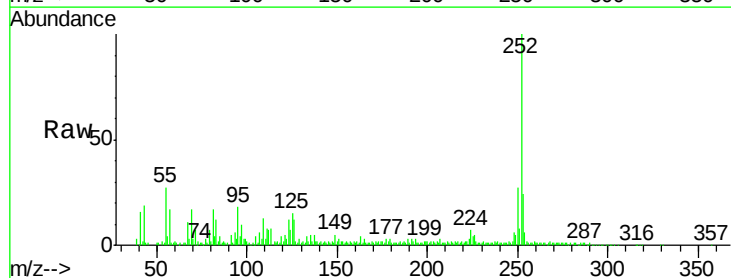
Tgt Ion:252 Resp: 190928

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

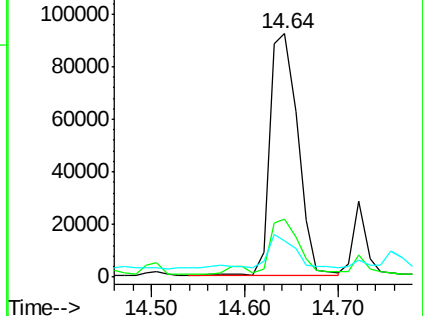
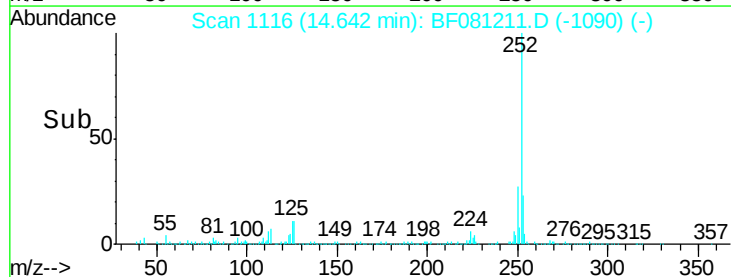
125 14.8 8.0 12.0#

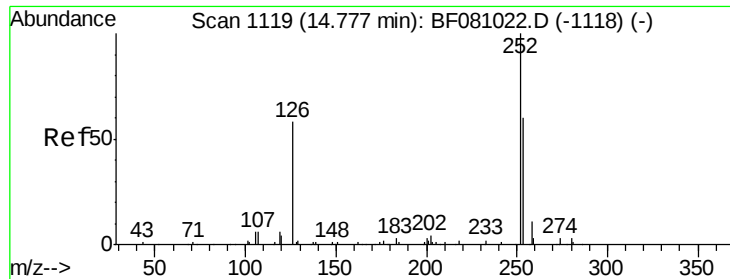


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

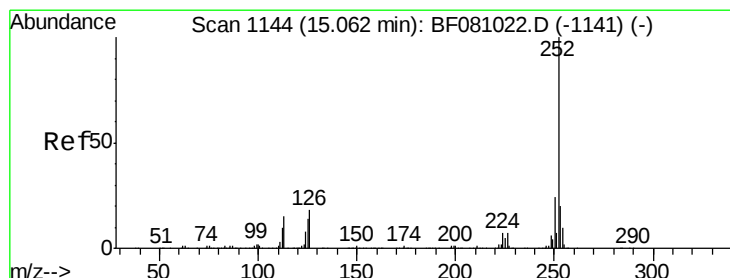
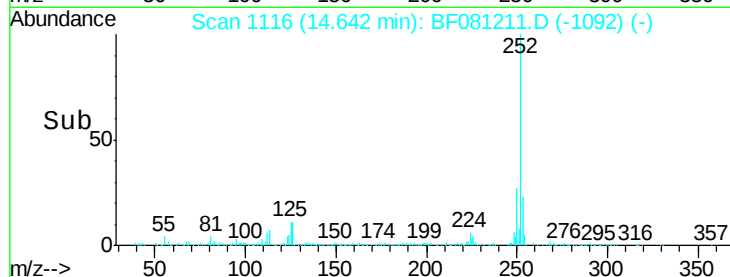
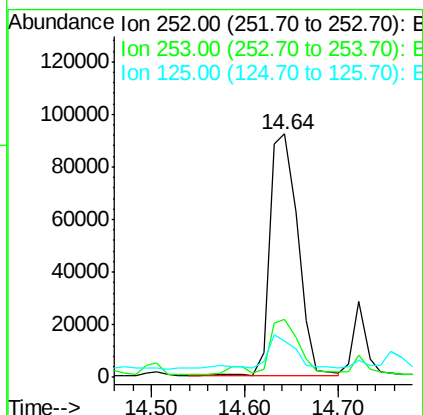
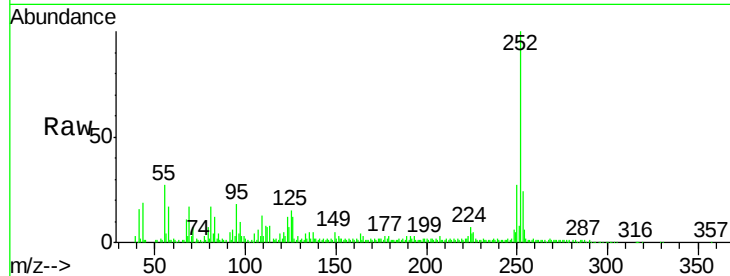




#88
Benzo(k)fluoranthene
Concen: 26.22 ng
RT: 14.64 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

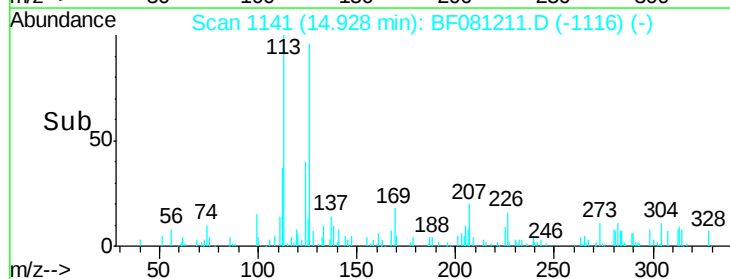
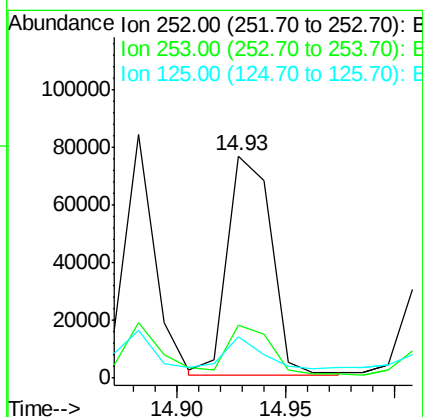
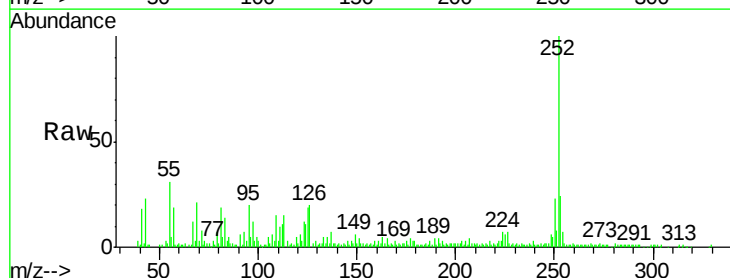
Instrument :
BNA_F
ClientSampleId :

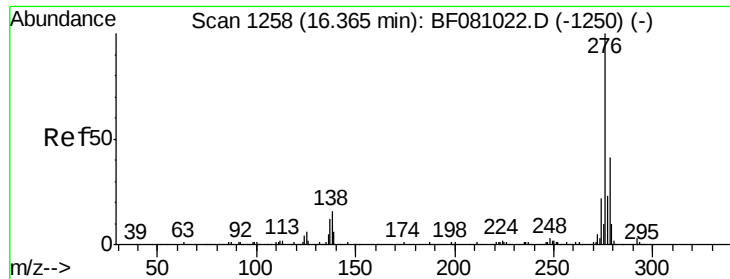
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	14.8	10.3	15.5



#89
Benzo(a)pyrene
Concen: 15.64 ng
RT: 14.93 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF081211.D
Acq: 25 Aug 2015 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.6	25.0
125	18.5	7.8	11.8





#90

Dibenzo(a,h)anthracene

Concen: 3.76 ng

RT: 16.17 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

Instrument :

BNA_F

ClientSampled :

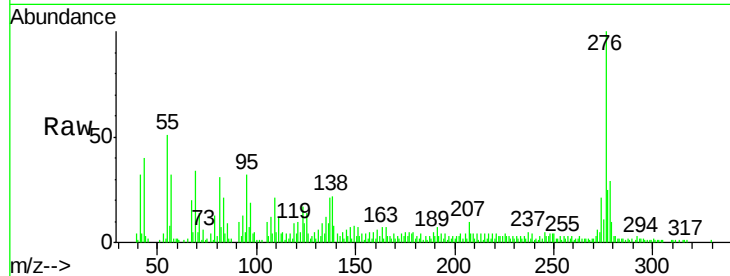
Tot Ion:278 Resp: 19942

Ion Ratio Lower Upper

278 100

139 29.3 10.8 16.2#

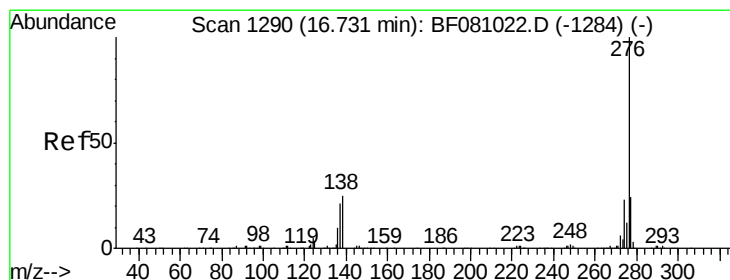
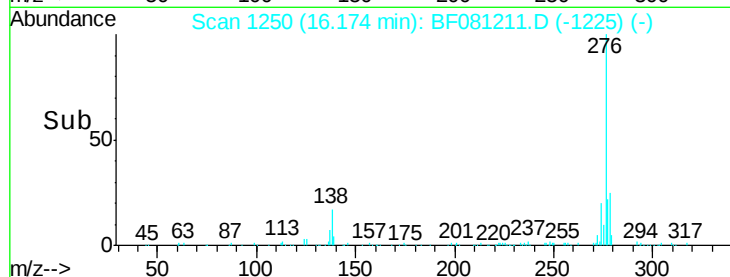
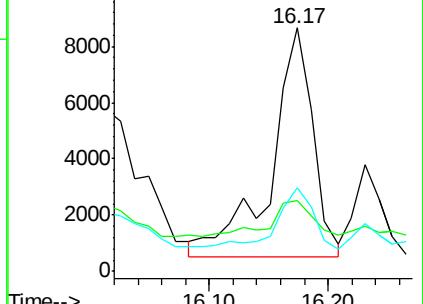
279 34.1 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.52 ng

RT: 16.52 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BF081211.D

Acq: 25 Aug 2015 21:39

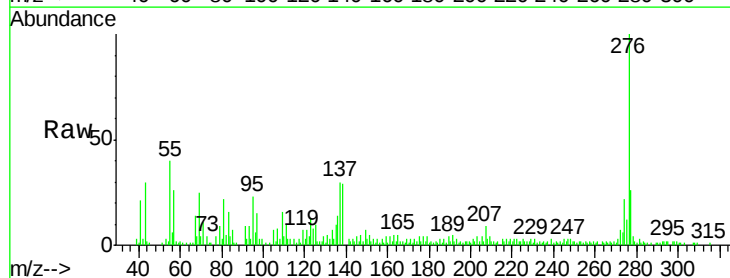
Tgt Ion:276 Resp: 67417

Ion Ratio Lower Upper

276 100

277 25.7 18.2 27.2

138 28.6 13.7 20.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

