

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
 Data File : BF083066.D
 Acq On : 20 Nov 2015 6:50
 Operator : UM/IZ
 Sample : G4469-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

Quant Time: Nov 20 08:14:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

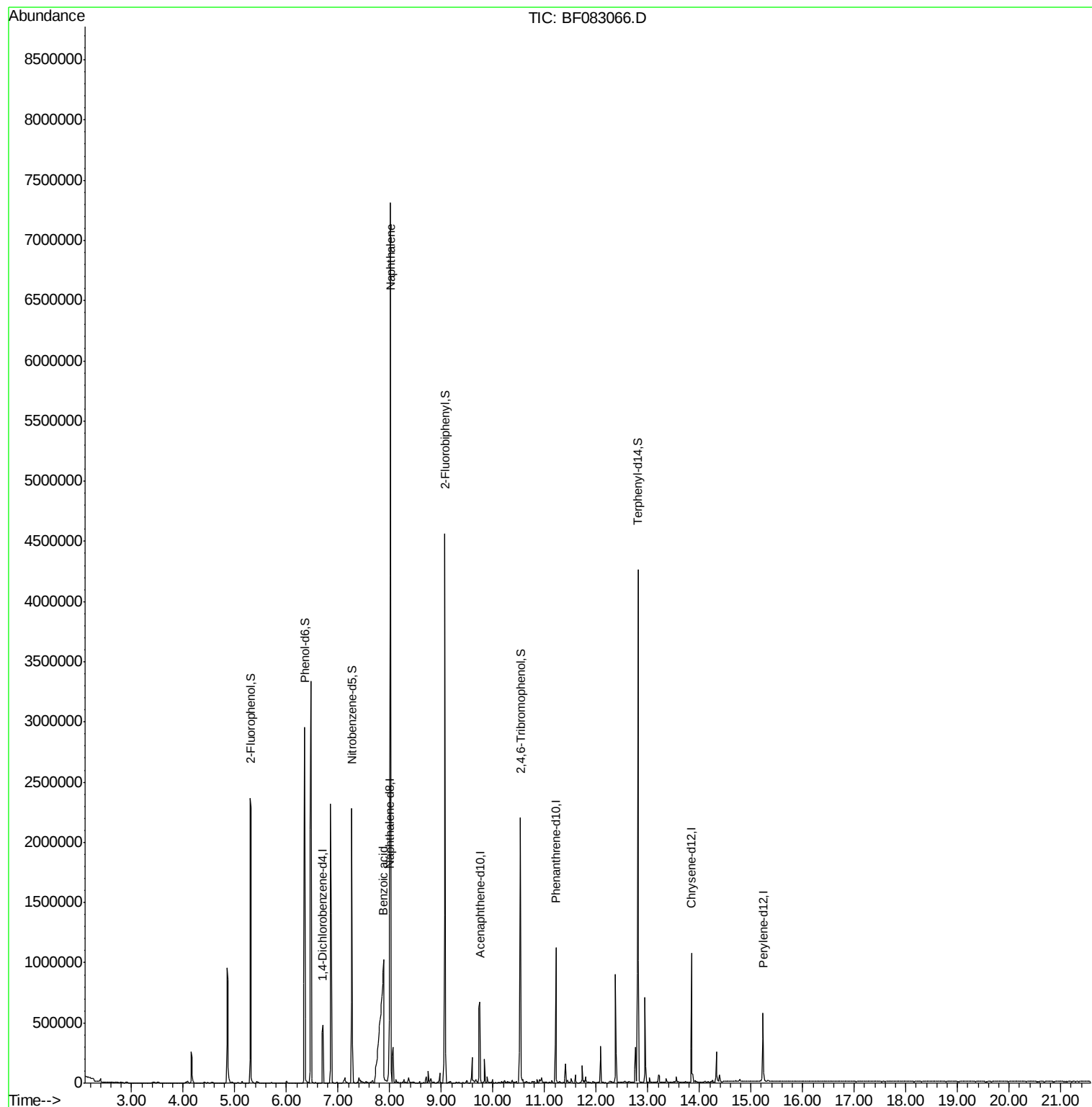
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	102639	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	395932	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	198964	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	411483	20.00	ng	0.00
75) Chrysene-d12	13.85	240	373792	20.00	ng	-0.01
86) Perylene-d12	15.23	264	281039	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	951126	143.93	ng	0.02
7) Phenol-d6	6.35	99	1029028	118.23	ng	0.00
23) Nitrobenzene-d5	7.26	82	801750	92.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	387941	183.64	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1389866	94.08	ng	-0.01
78) Terphenyl-d14	12.81	244	1383210	87.36	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.02	128	3731524	180.89	ng	95
32) Benzoic acid	7.88	122	919882	239.88	ng	95

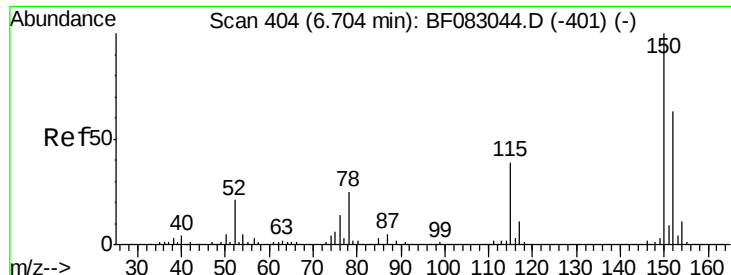
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-009

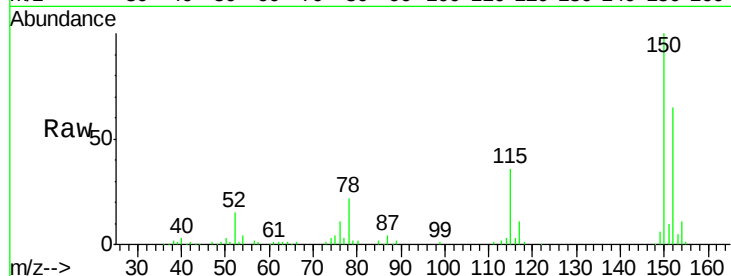
Tgt Ion:152 Resp: 102639

Ion Ratio Lower Upper

152 100

150 153.8 126.4 189.6

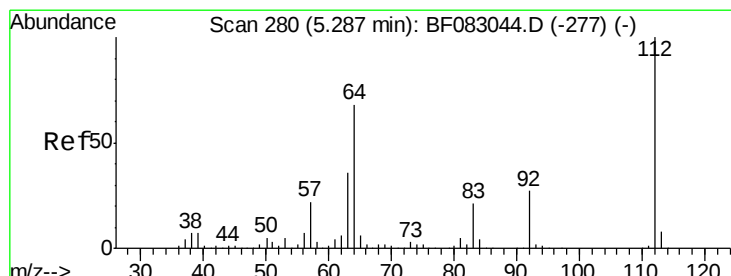
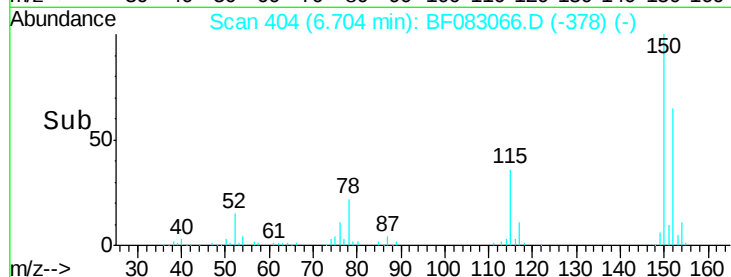
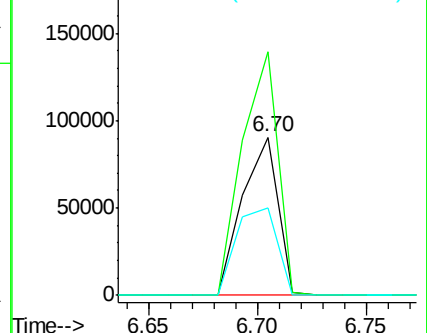
115 54.9 49.0 73.6



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: 143.93 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.02 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

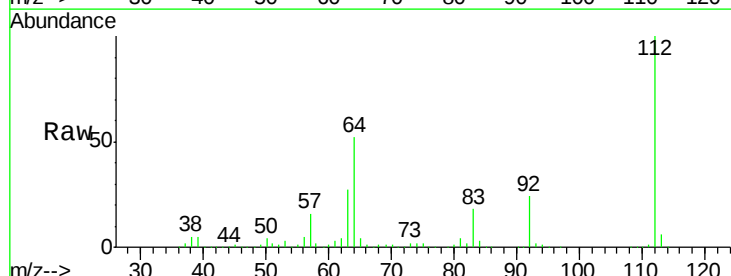
Tgt Ion:112 Resp: 951126

Ion Ratio Lower Upper

112 100

64 52.2 54.8 82.2#

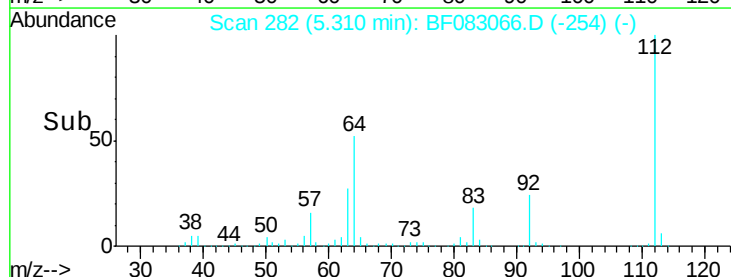
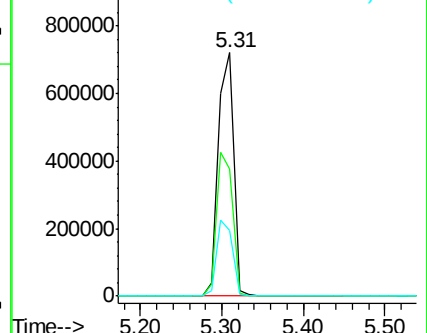
63 27.1 29.0 43.4#

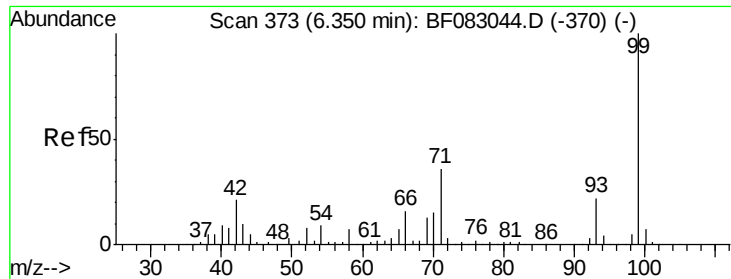


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.23 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-009

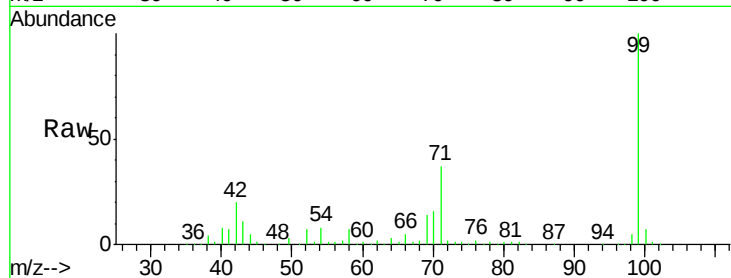
Tgt Ion: 99 Resp: 1029028

Ion Ratio Lower Upper

99 100

42 20.4 16.6 25.0

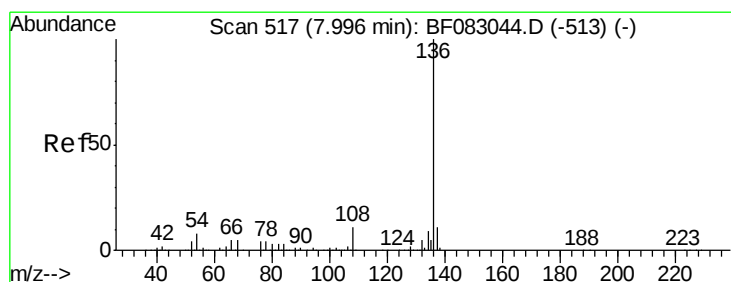
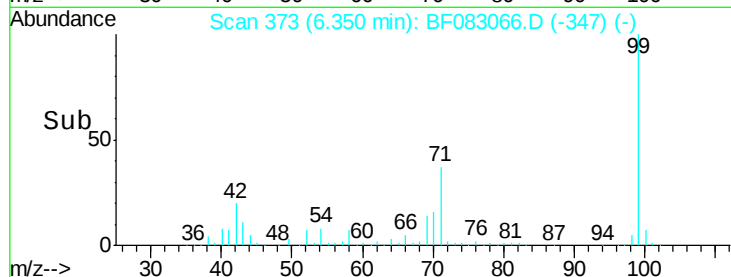
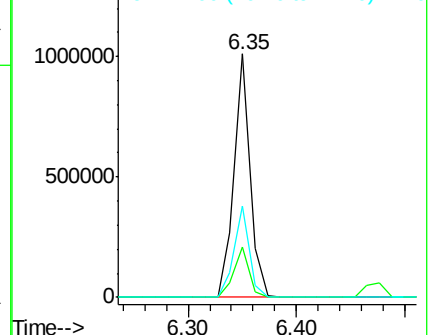
71 37.4 29.2 43.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Tgt Ion: 136 Resp: 395932

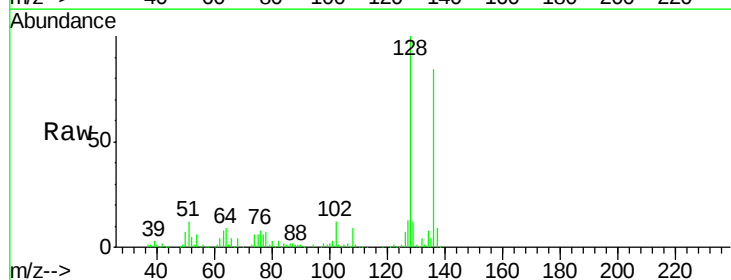
Ion Ratio Lower Upper

136 100

137 10.2 8.6 12.8

54 7.4 6.2 9.2

68 5.2 4.2 6.2

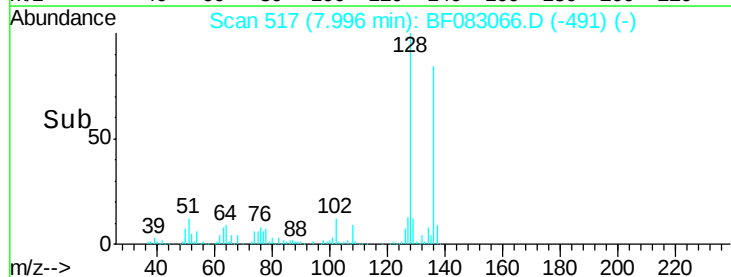
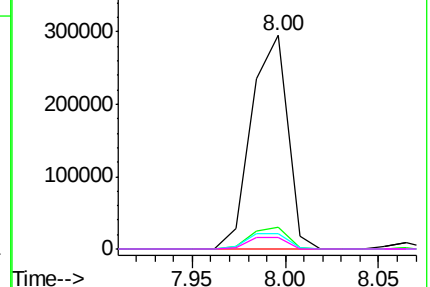


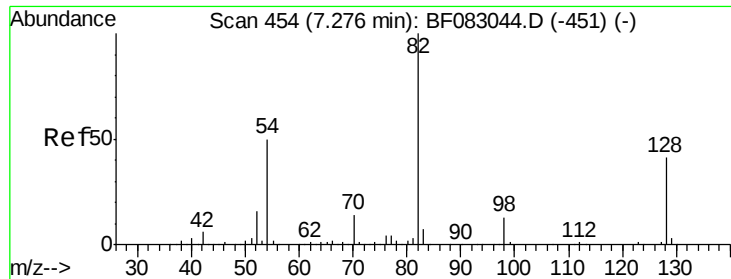
Abundance Ion 136.00 (135.70 to 136.70): E

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

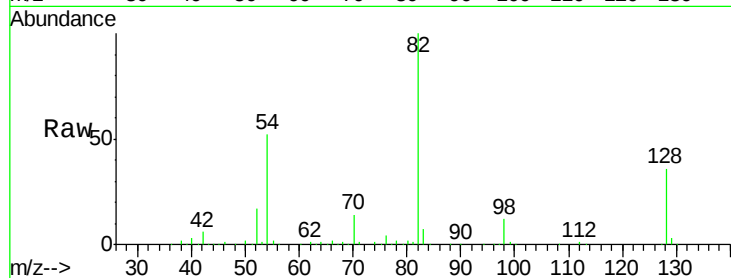




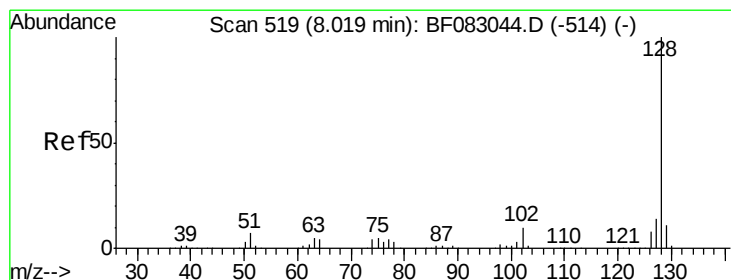
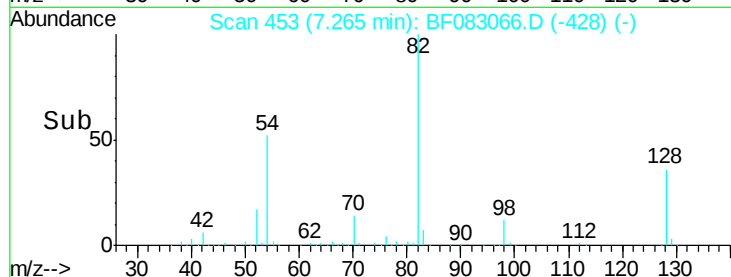
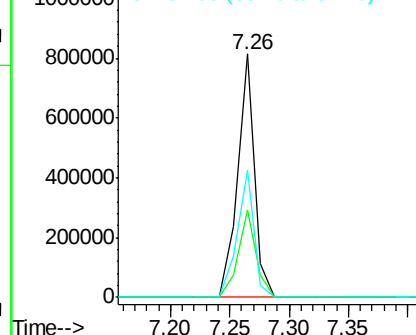
#23
 Nitrobenzene-d5
 Concen: 92.70 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

Tgt Ion: 82 Resp: 801750
 Ion Ratio Lower Upper
 82 100
 128 36.0 33.1 49.7
 54 52.2 39.8 59.6

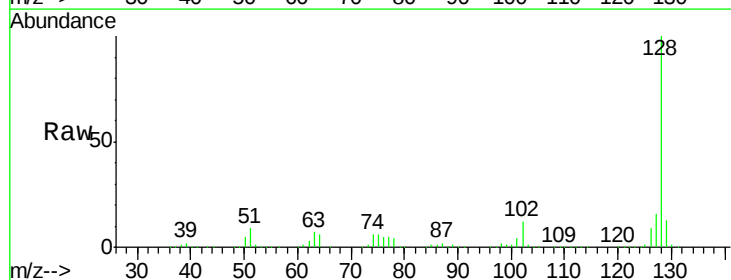


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

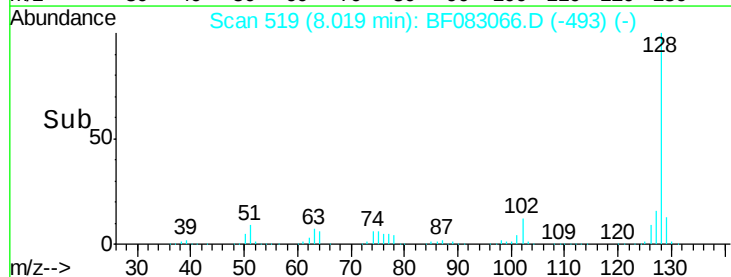
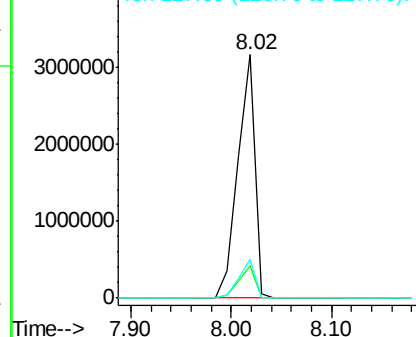


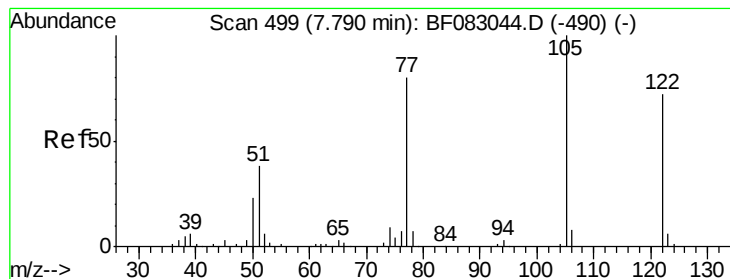
#31
 Naphthalene
 Concen: 180.89 ng
 RT: 8.02 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion: 128 Resp: 3731524
 Ion Ratio Lower Upper
 128 100
 129 13.3 9.0 13.4
 127 15.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 239.88 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.09 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

Instrument :

BNA_F

ClientSampled :

WC-SOIL-009

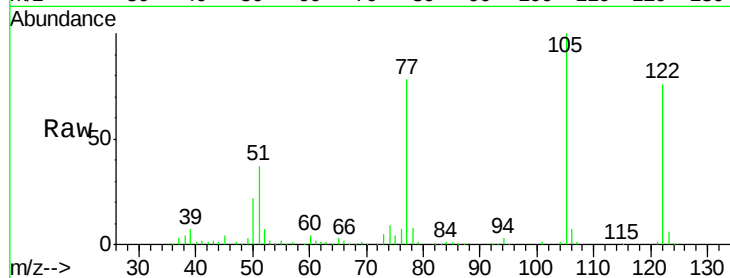
Tgt Ion:122 Resp: 919882

Ion Ratio Lower Upper

122 100

105 130.9 115.0 155.0

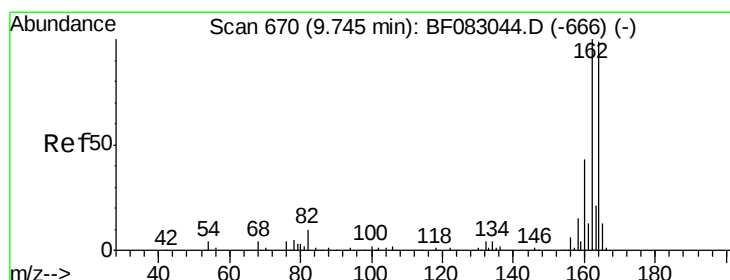
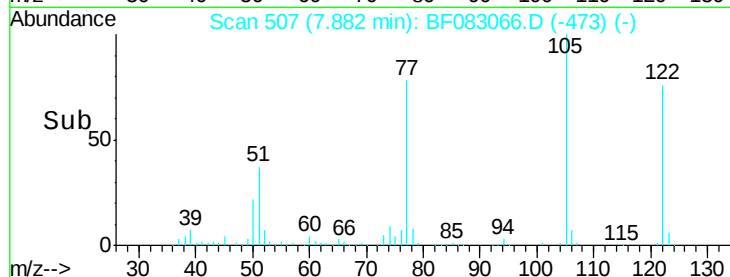
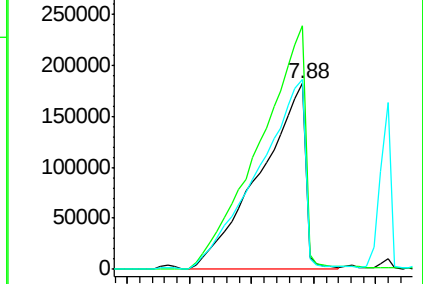
77 102.3 89.0 129.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083066.D

Acq: 20 Nov 2015 6:50

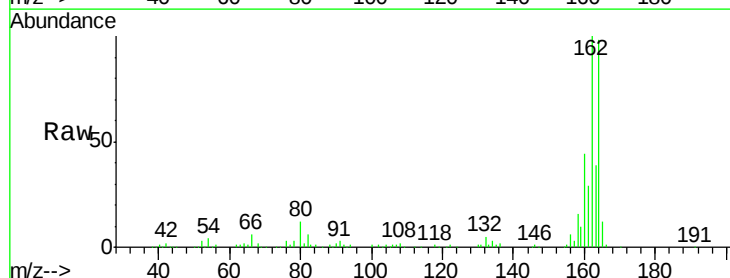
Tgt Ion:164 Resp: 198964

Ion Ratio Lower Upper

164 100

162 102.0 80.5 120.7

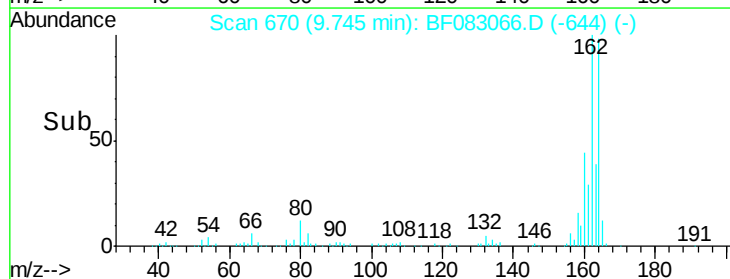
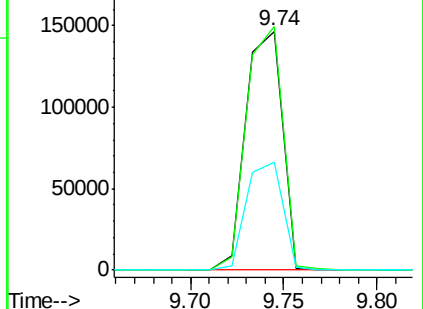
160 45.3 35.0 52.4

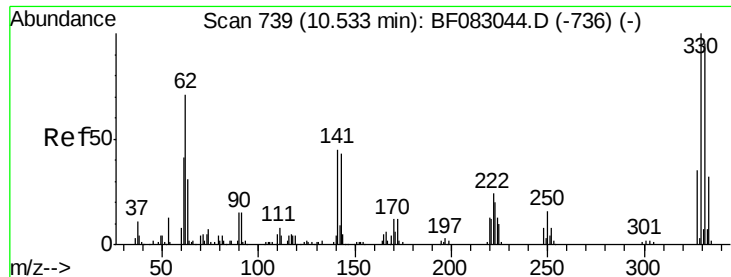


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

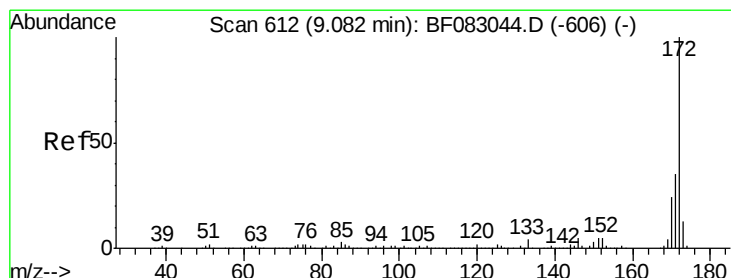
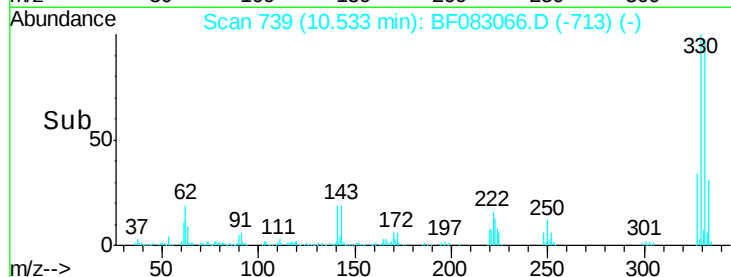
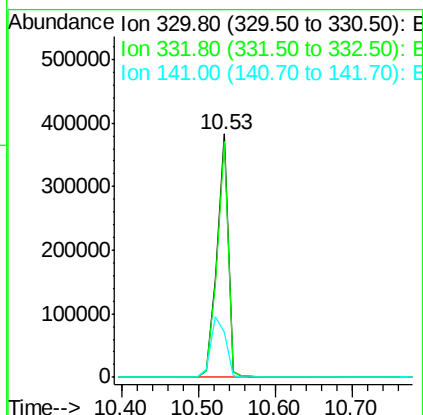
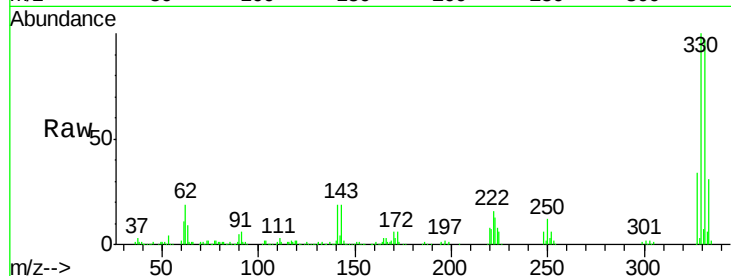




#41
 2,4,6-Tribromophenol
 Concen: 183.64 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

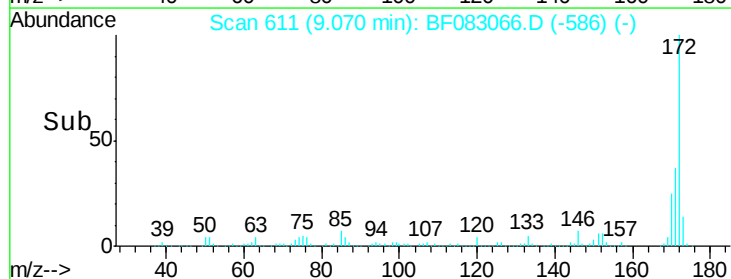
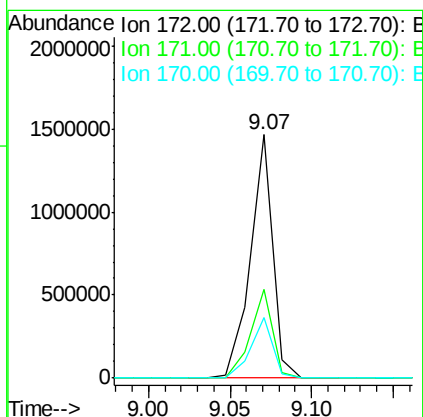
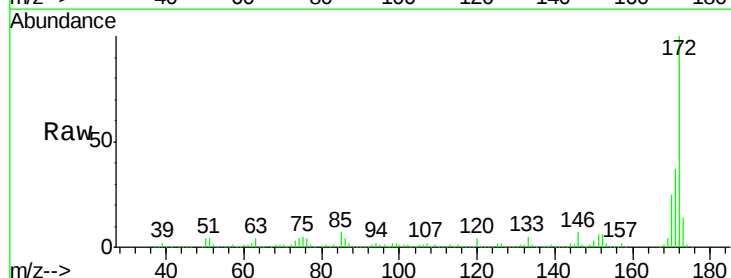
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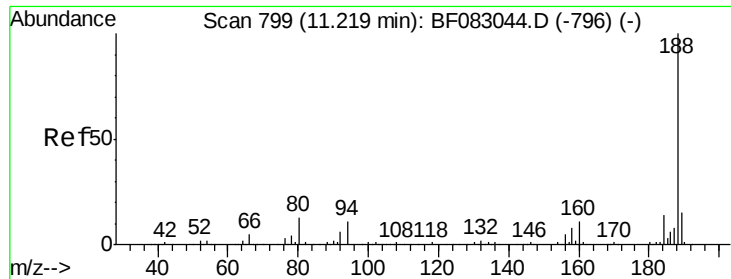
Tgt Ion:330 Resp: 387941
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 32.6 34.6 52.0#



#44
 2-Fluorobiphenyl
 Concen: 94.08 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:172 Resp: 1389866
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.2 42.4
 170 24.7 19.4 29.0

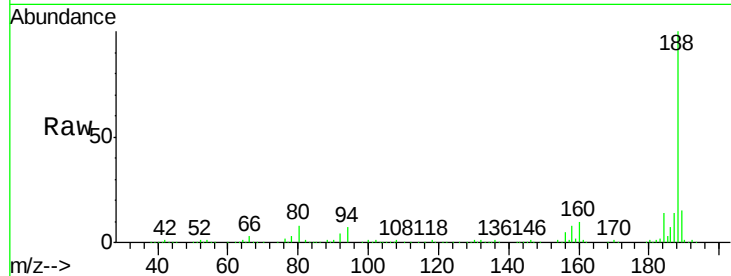




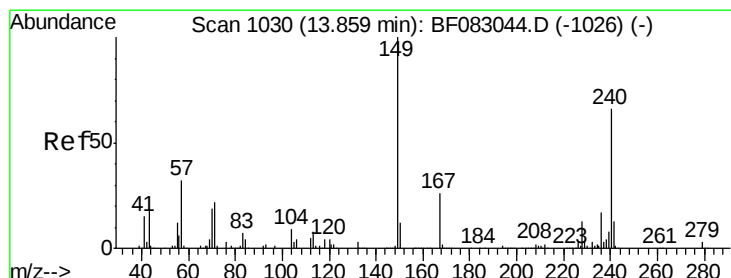
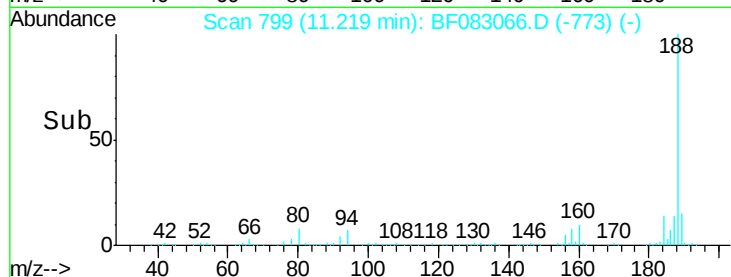
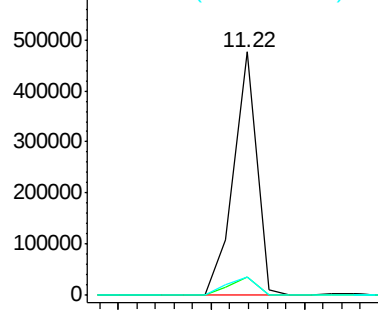
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-009

Tgt Ion:188 Resp: 411483
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.4#
80 7.6 10.2 15.4#

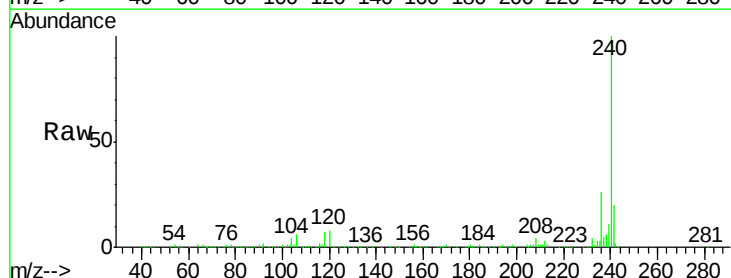


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

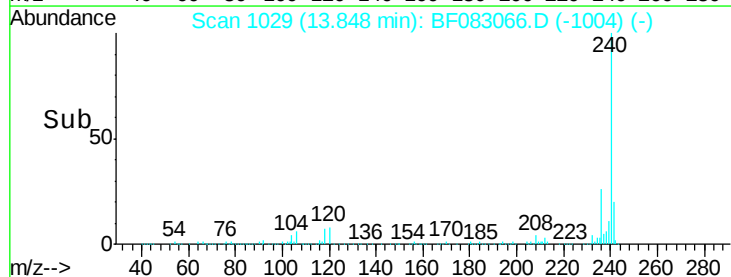
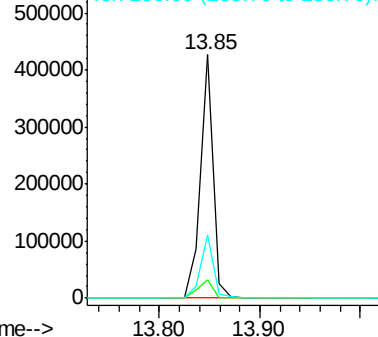


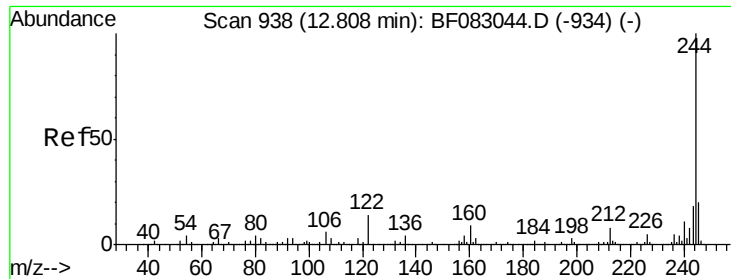
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF083066.D
Acq: 20 Nov 2015 6:50

Tgt Ion:240 Resp: 373792
Ion Ratio Lower Upper
240 100
120 7.6 5.3 7.9
236 25.9 20.4 30.6



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

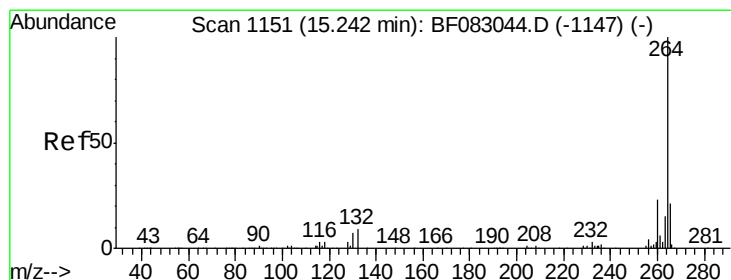
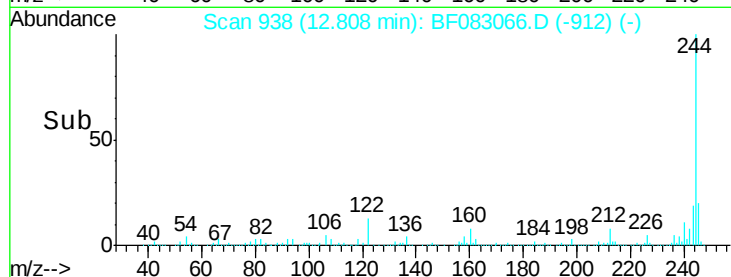
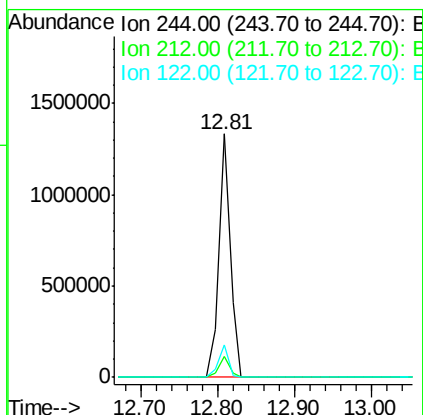
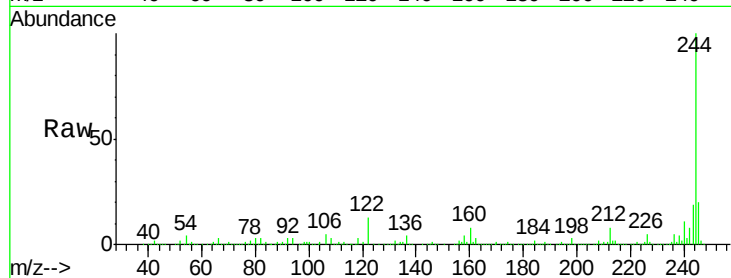




#78
 Terphenyl-d14
 Concen: 87.36 ng
 RT: 12.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-009

Tgt Ion:244 Resp: 1383210
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.4 9.6
 122 13.4 10.9 16.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF083066.D
 Acq: 20 Nov 2015 6:50

Tgt Ion:264 Resp: 281039
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.6 27.8
 265 20.9 17.0 25.6

