

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091907.D
 Acq On : 23 Dec 2016 6:01
 Operator : UM/SJ
 Sample : H6156-25
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Quant Time: Dec 23 06:42:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

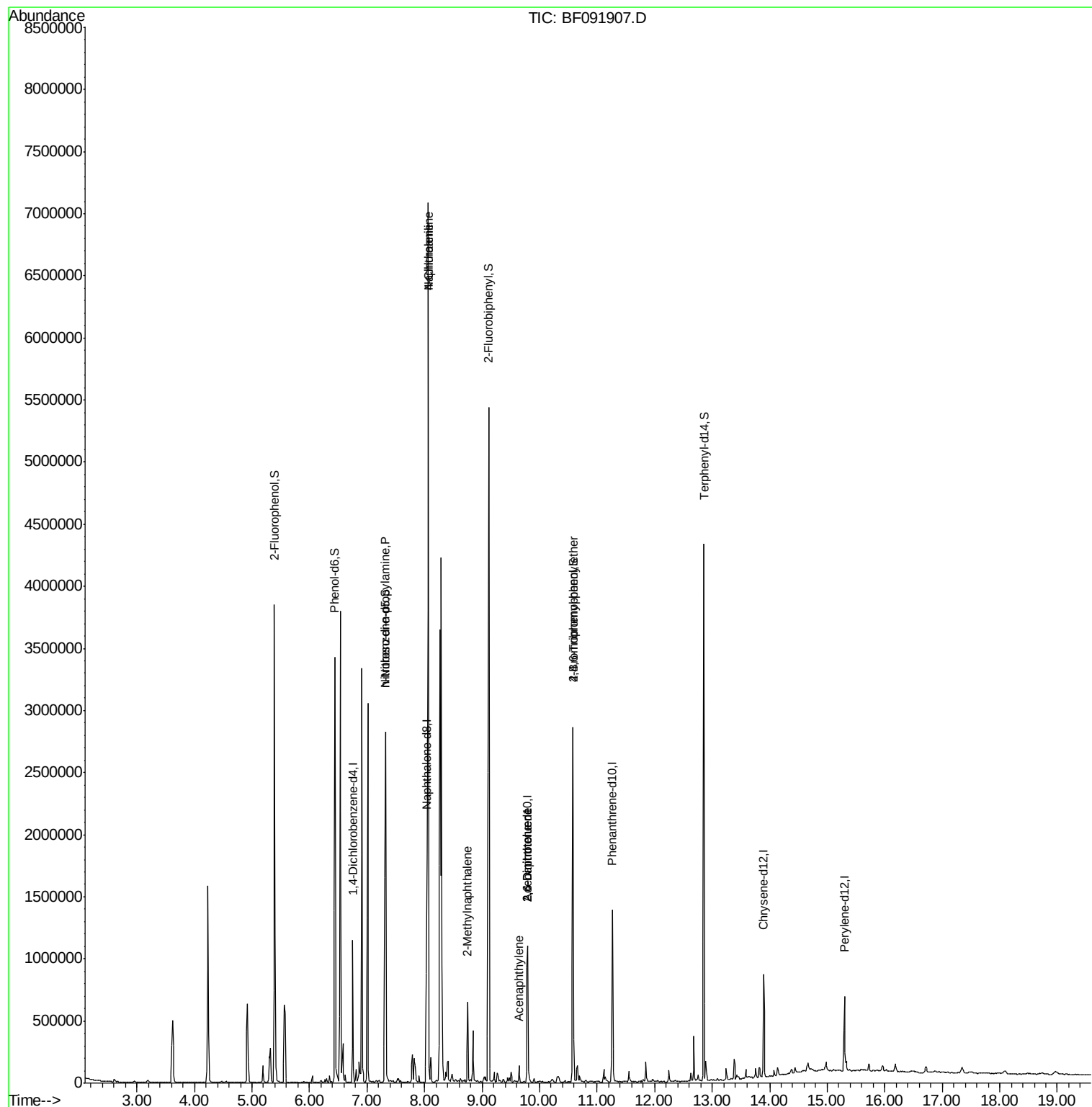
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	168460	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	702055	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	350326	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	501622	20.00	ng	0.00
75) Chrysene-d12	13.89	240	357250	20.00	ng	-0.01
86) Perylene-d12	15.30	264	271925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1144887	113.48	ng	0.05
7) Phenol-d6	6.44	99	1361976	110.57	ng	0.03
23) Nitrobenzene-d5	7.32	82	1168096	92.52	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	331258	114.26	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1929126	117.81	ng	0.00
78) Terphenyl-d14	12.85	244	1348997	91.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	156525	19.10	ng	# 75
31) Naphthalene	8.06	128	3767821	117.26	ng	98
33) 4-Chloroaniline	8.06	127	536509	37.03	ng	# 33
37) 2-Methylnaphthalene	8.75	142	191618	7.29	ng	98
48) Acenaphthylene	9.64	152	64775	2.22	ng	98
50) 2,6-Dinitrotoluene	9.79	165	44875	9.15	ng	# 31
56) 2,4-Dinitrotoluene	9.79	165	44877	7.29	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	22119	4.24	ng	# 1
73) Di-n-butylphthalate	11.84	149	3350	Below Cal		# 90
74) Fluoranthene	12.48	202	790	Below Cal		61

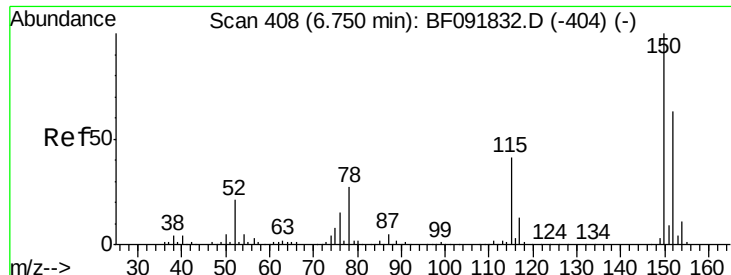
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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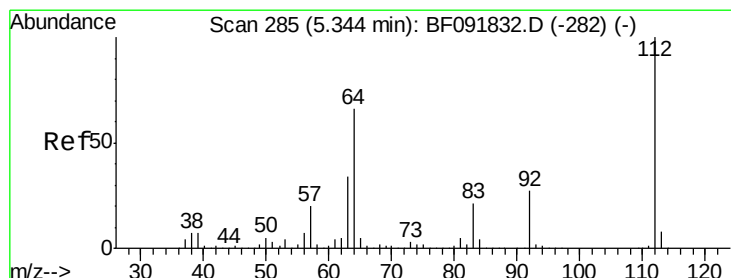
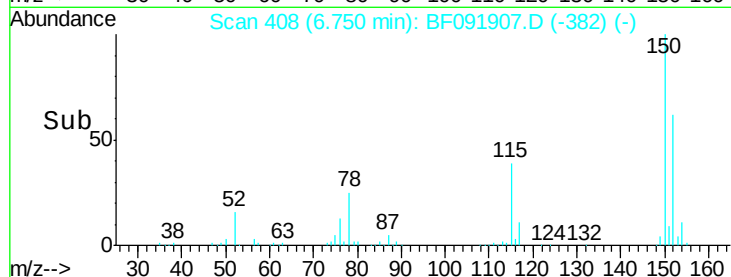
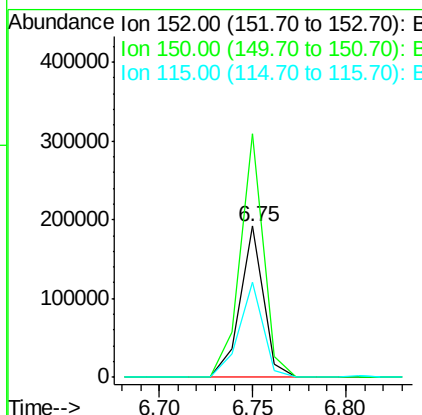
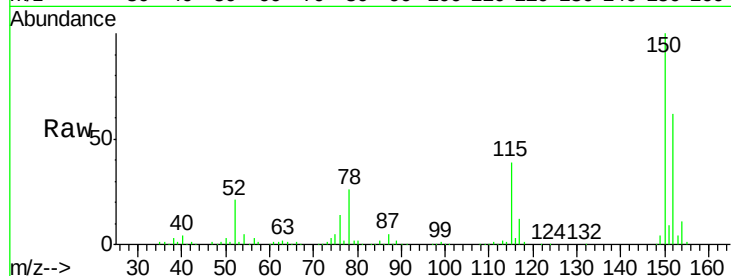




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

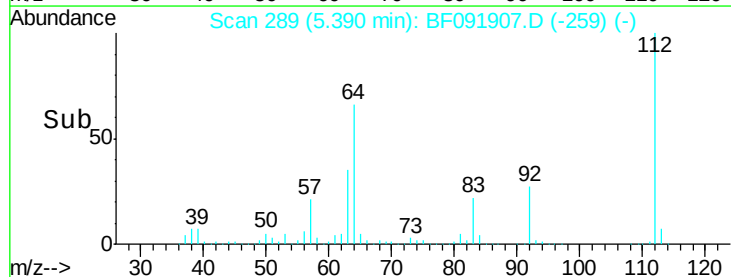
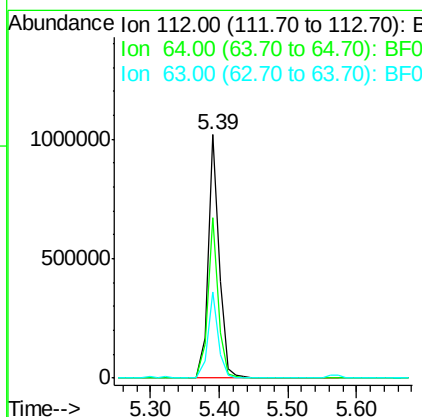
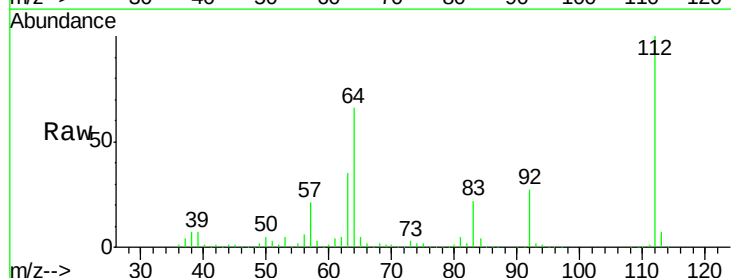
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

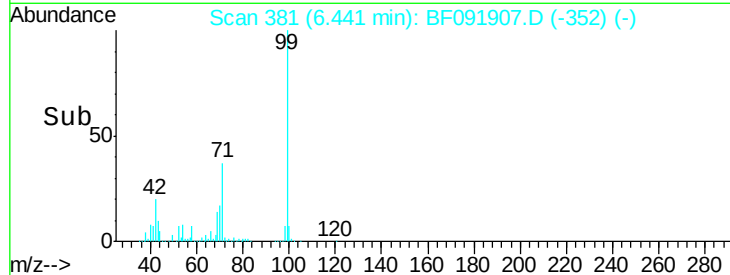
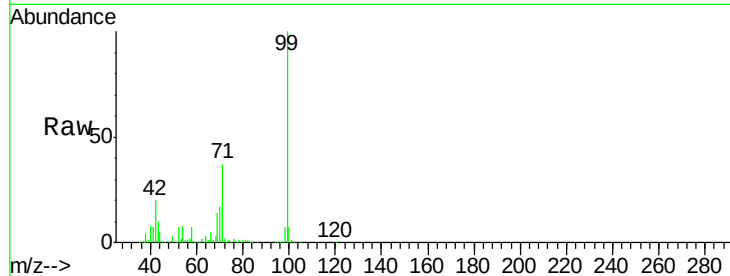
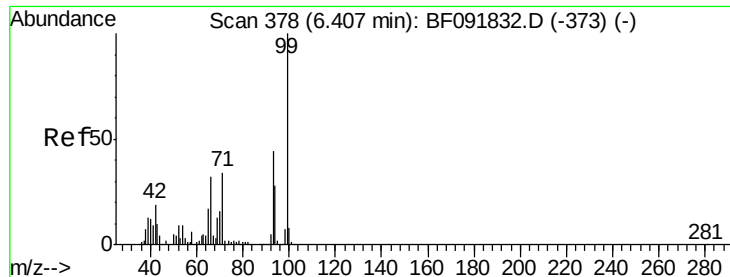
Tgt Ion:152 Resp: 168460
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.9 187.3
 115 63.3 46.0 69.0



#5
 2-Fluorophenol
 Concen: 113.48 ng
 RT: 5.39 min Scan# 289
 Delta R.T. 0.05 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Tgt Ion:112 Resp: 1144887
 Ion Ratio Lower Upper
 112 100
 64 66.0 46.1 69.1
 63 35.3 23.8 35.6





#7

Phenol-d6

Concen: 110.57 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.03 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

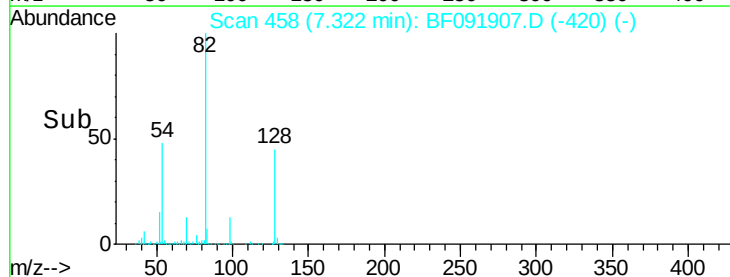
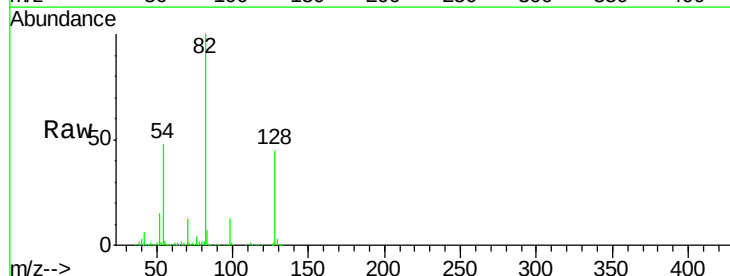
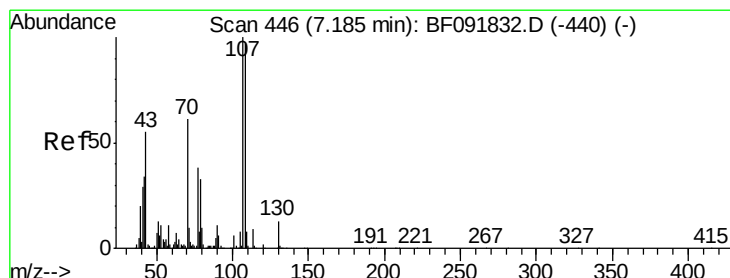
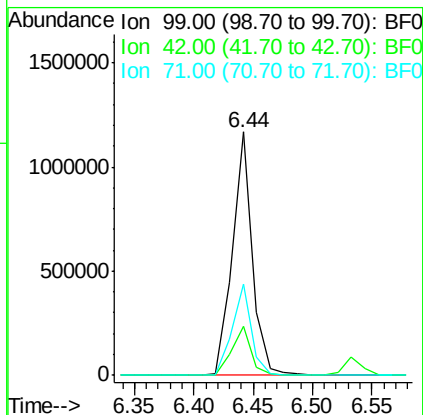
Tgt Ion: 99 Resp: 1361976

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

71 37.4 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 19.10 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.14 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Tgt Ion: 70 Resp: 156525

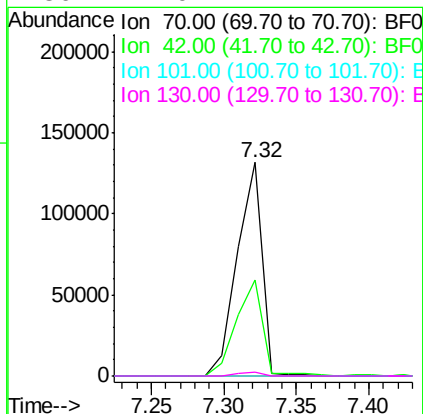
Ion Ratio Lower Upper

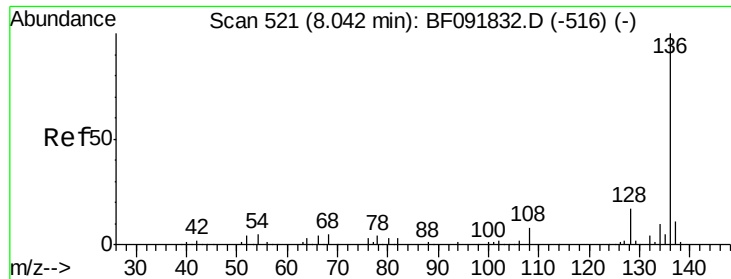
70 100

42 44.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

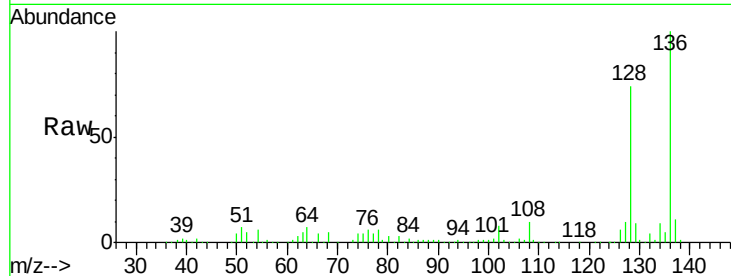




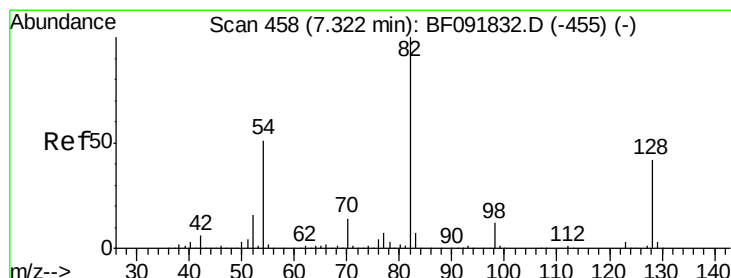
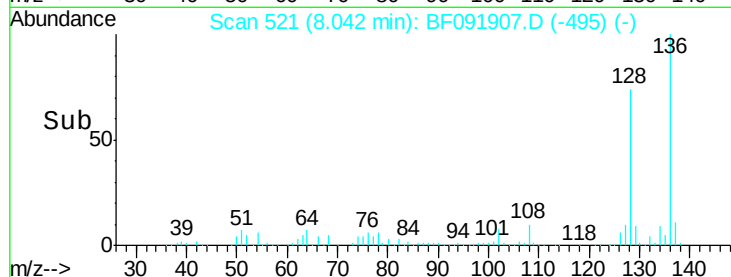
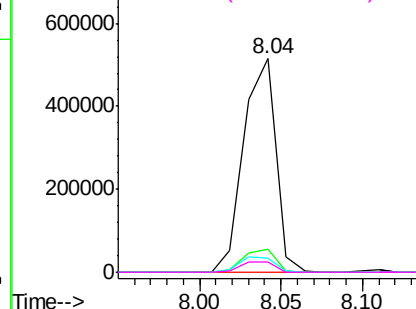
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF091907.D
Acq: 23 Dec 2016 6:01

Instrument :
BNA_F
ClientSampleId :
WC-201612

Tgt Ion:	136	Resp:	702055
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.5	4.5	6.7
68	4.5	3.6	5.4

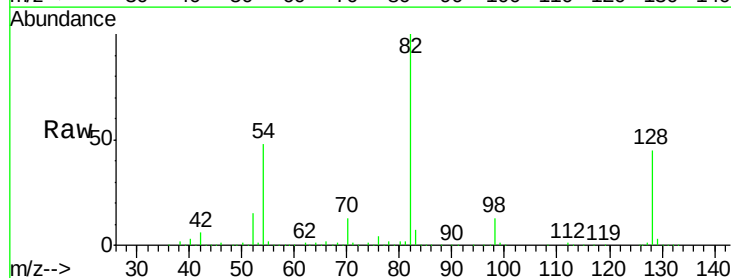


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

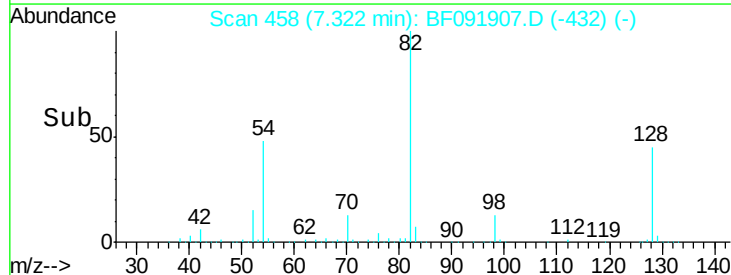
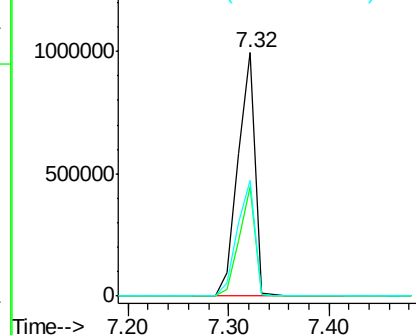


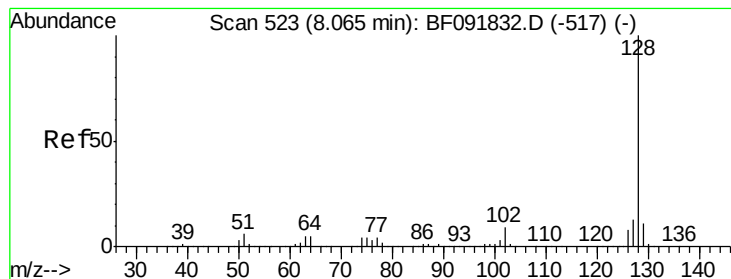
#23
Nitrobenzene-d5
Concen: 92.52 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091907.D
Acq: 23 Dec 2016 6:01

Tgt Ion:	82	Resp:	1168096
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	52.0
54	47.7	39.5	59.3



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: 117.26 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

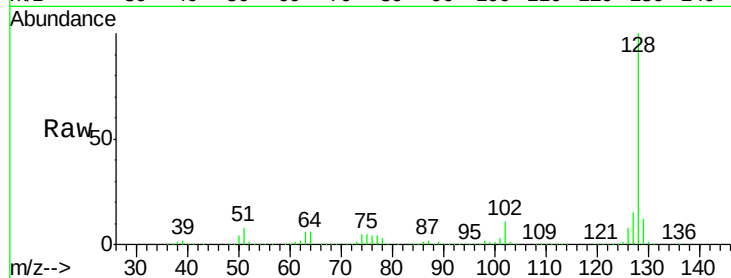
Tgt Ion:128 Resp: 3767821

Ion Ratio Lower Upper

128 100

129 12.3 9.5 14.3

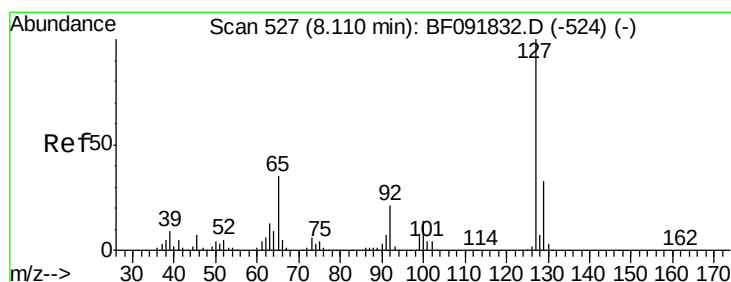
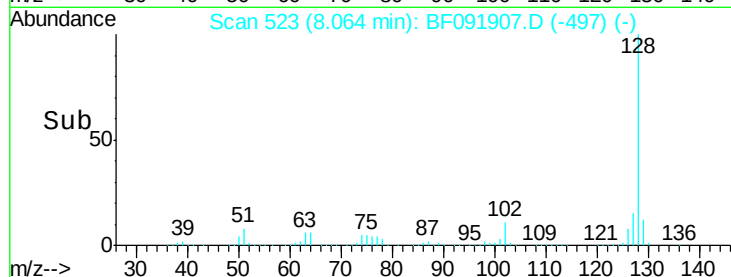
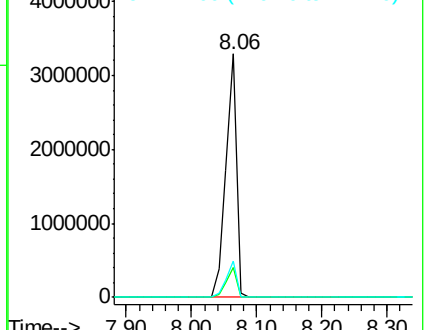
127 14.7 10.8 16.2



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



#33

4-Chloroaniline

Concen: 37.03 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.05 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Tgt Ion:127 Resp: 536509

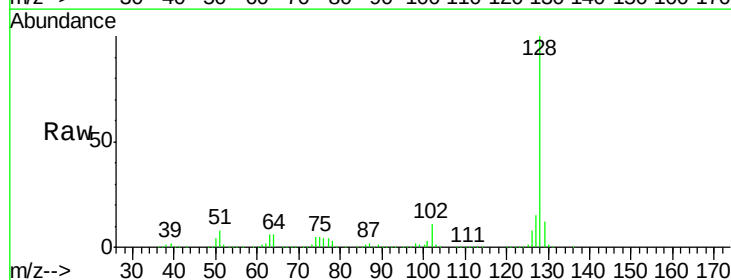
Ion Ratio Lower Upper

127 100

129 84.0 26.3 39.5#

65 0.0 25.8 38.8#

92 0.1 16.1 24.1#

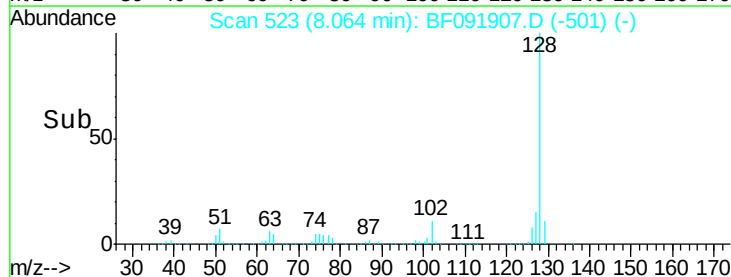
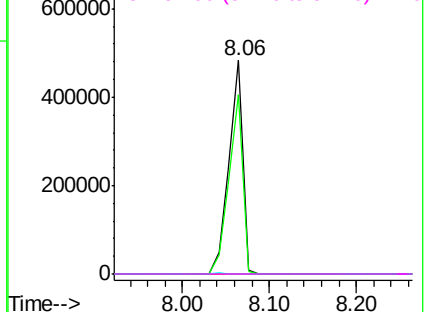


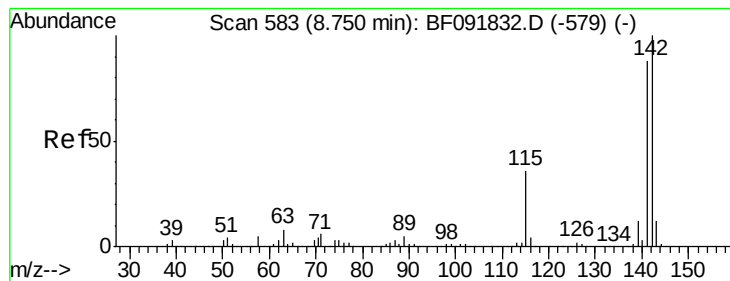
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 7.29 ng

RT: 8.75 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

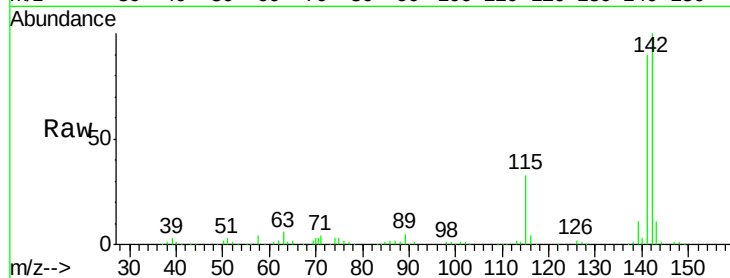
Tgt Ion:142 Resp: 191618

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.6

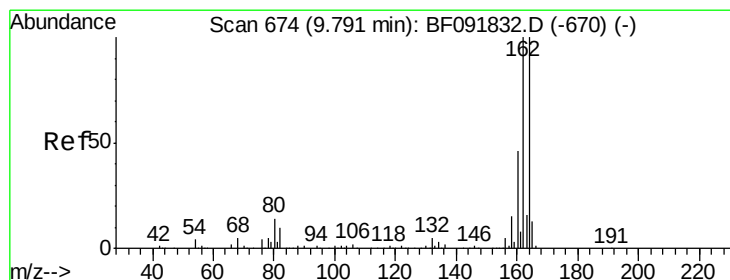
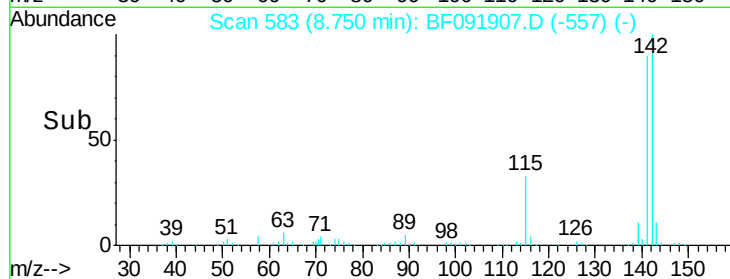
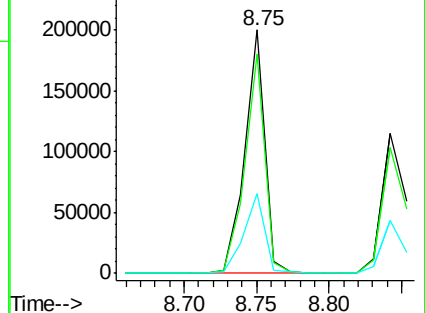
115 32.8 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

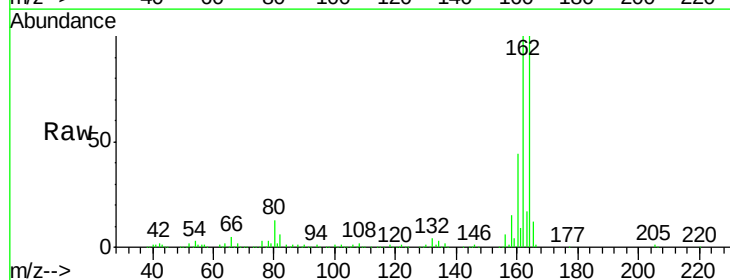
Tgt Ion:164 Resp: 350326

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.2

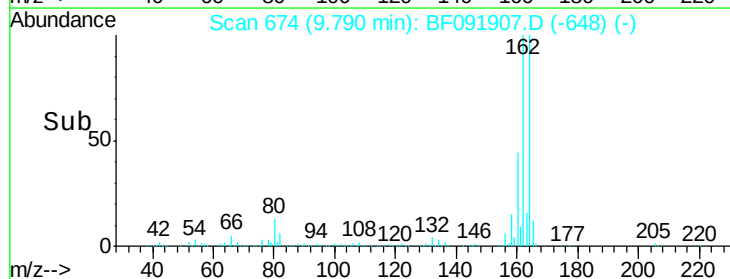
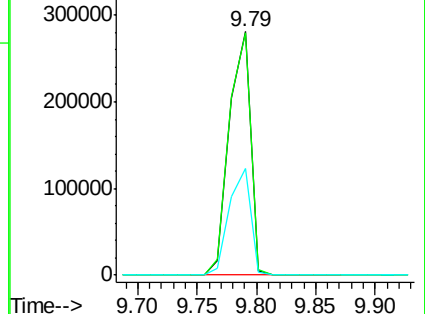
160 43.7 36.9 55.3

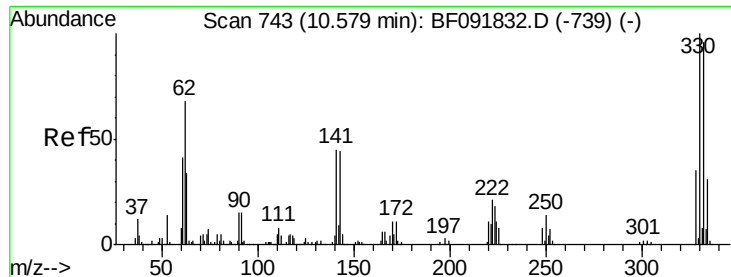


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

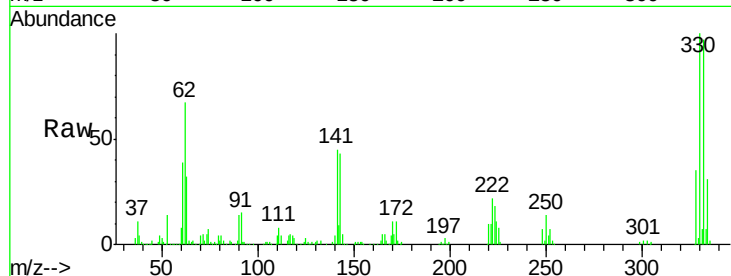




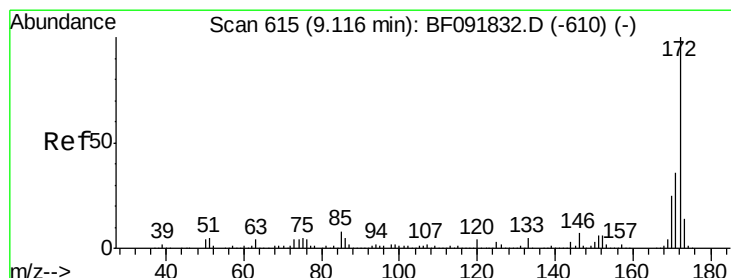
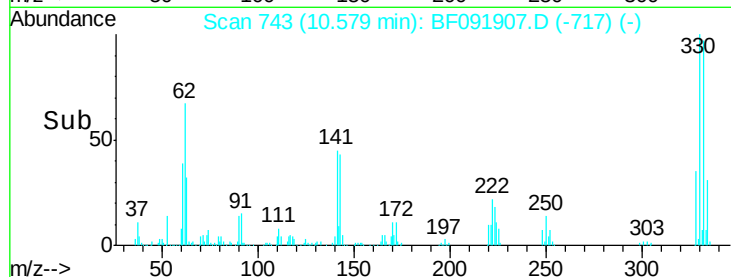
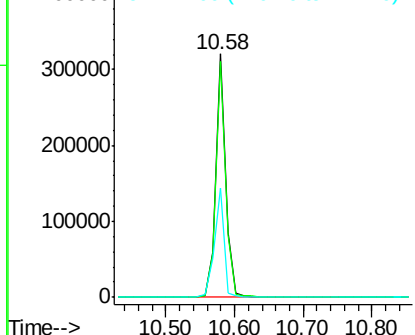
#41
 2,4,6-Tribromophenol
 Concen: 114.26 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

Tgt Ion:330 Resp: 331258
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 43.2 34.1 51.1

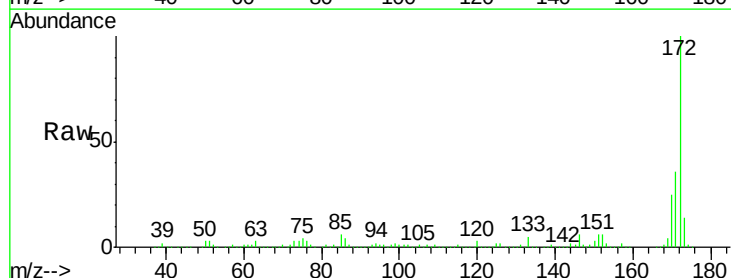


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

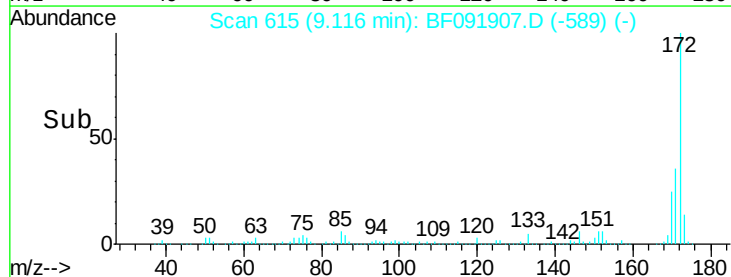
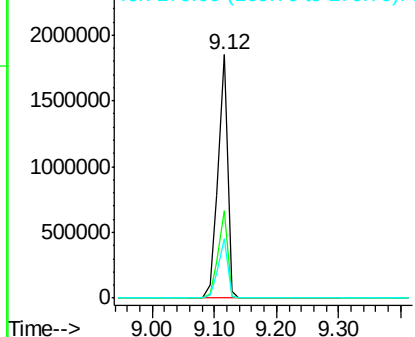


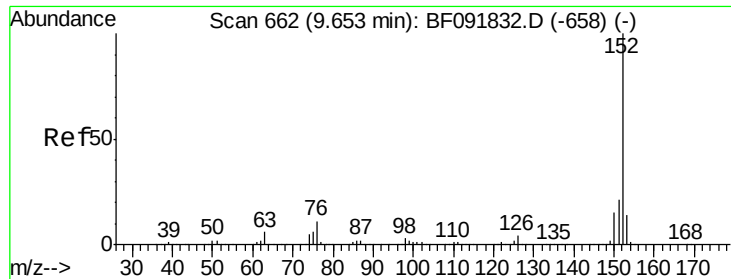
#44
 2-Fluorobiphenyl
 Concen: 117.81 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Tgt Ion:172 Resp: 1929126
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4



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





#48

Acenaphthylene

Concen: 2.22 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

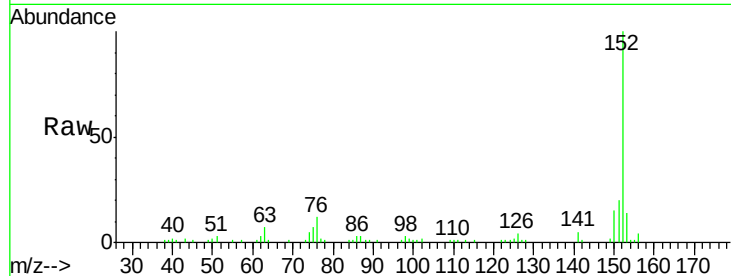
Tgt Ion:152 Resp: 64775

Ion Ratio Lower Upper

152 100

151 19.9 16.9 25.3

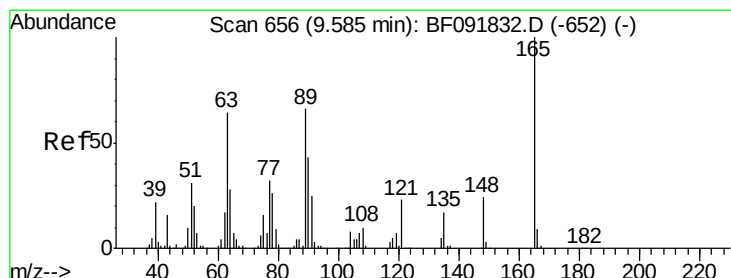
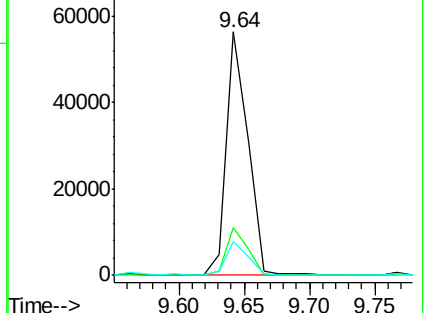
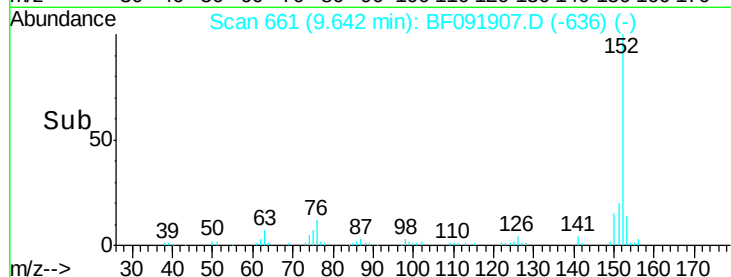
153 14.0 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.15 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.21 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

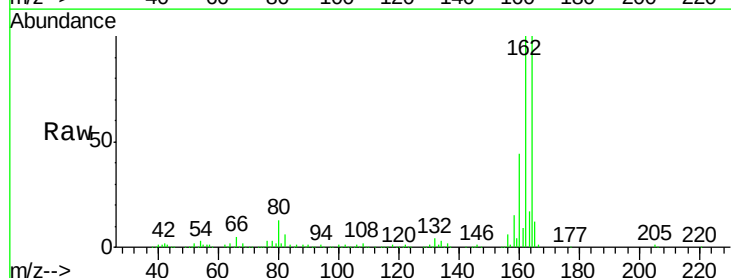
Tgt Ion:165 Resp: 44875

Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

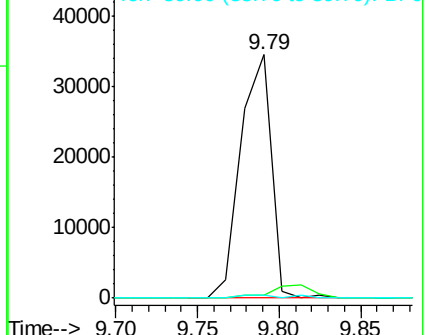
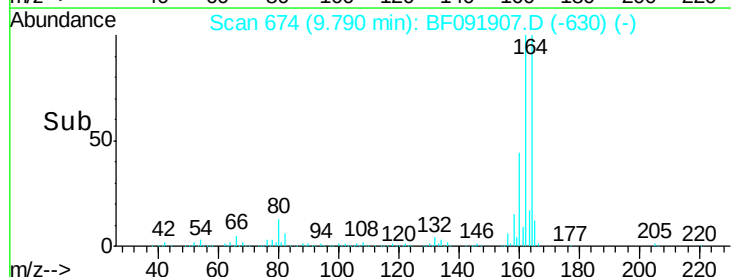
89 1.2 40.2 60.4#

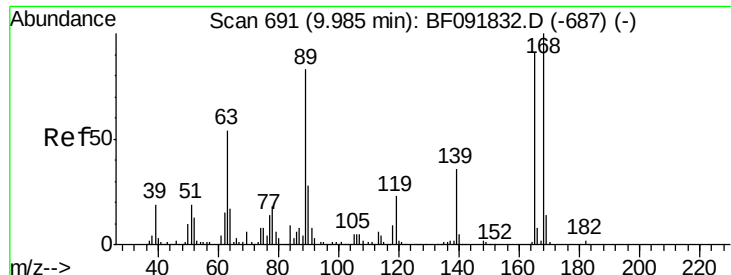


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

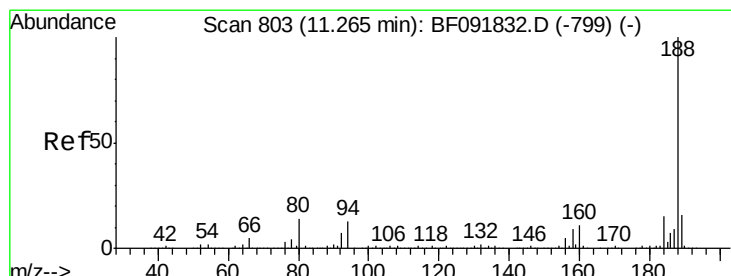
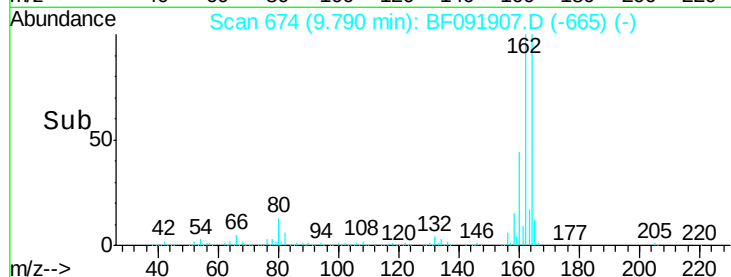
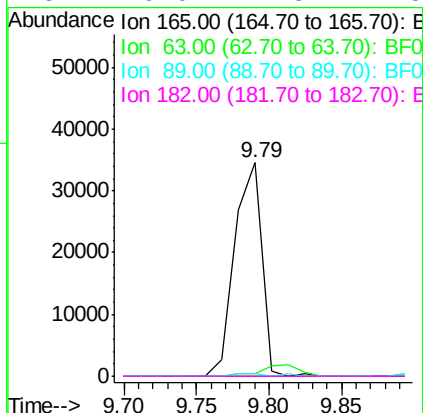
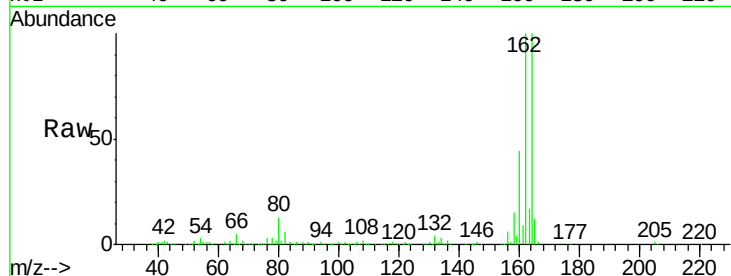




#56
 2,4-Dinitrotoluene
 Concen: 7.29 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.19 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

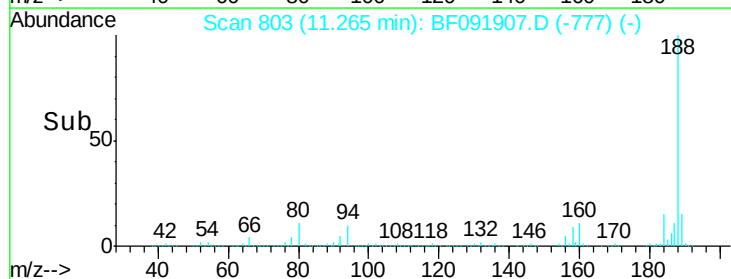
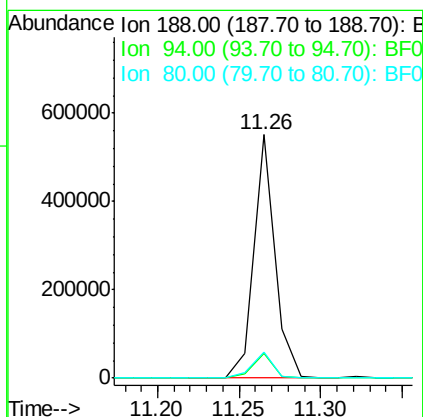
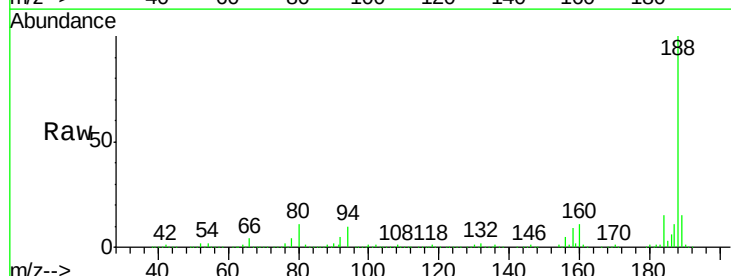
Instrument :
 BNA_F
 ClientSampleId :
 WC-201612

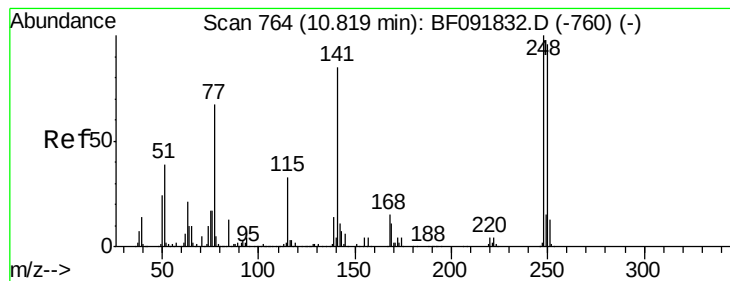
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091907.D
 Acq: 23 Dec 2016 6:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	10.0	15.0#
80	10.6	11.2	16.8#





#66

4-Bromophenyl-phenylether

Concen: 4.24 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

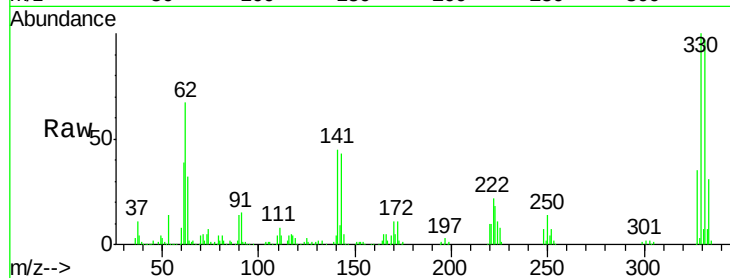
Tgt Ion:248 Resp: 22119

Ion Ratio Lower Upper

248 100

250 195.3 76.9 115.3#

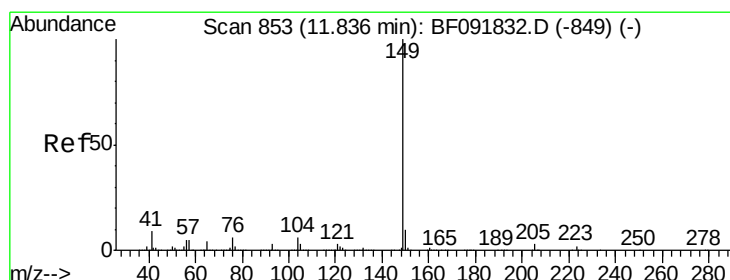
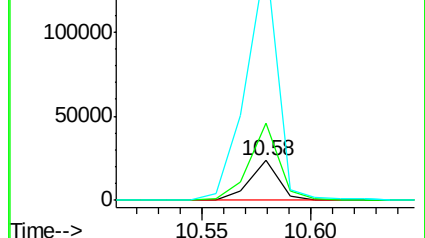
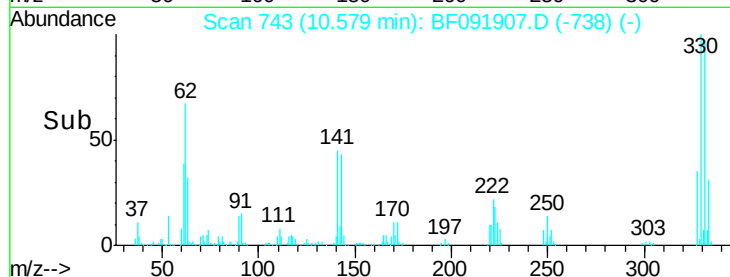
141 615.5 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

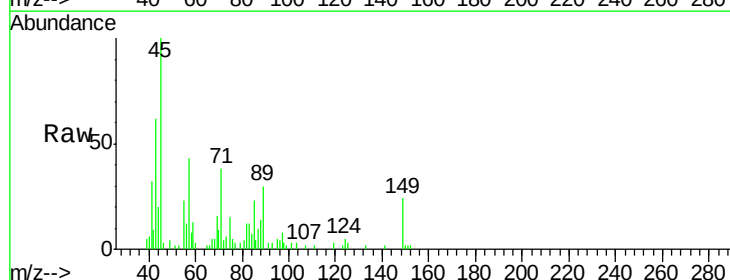
Tgt Ion:149 Resp: 3350

Ion Ratio Lower Upper

149 100

150 8.1 8.1 12.1

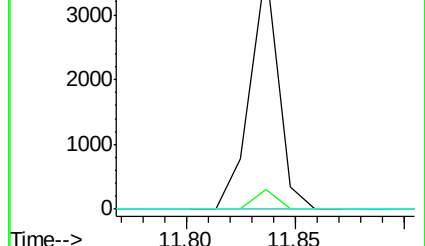
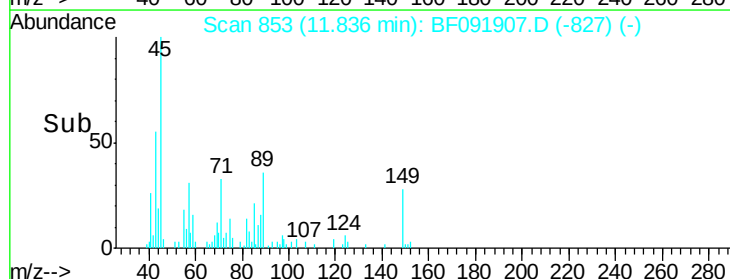
104 0.0 4.6 7.0#

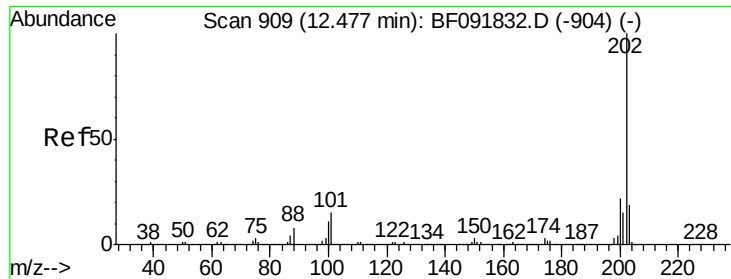


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

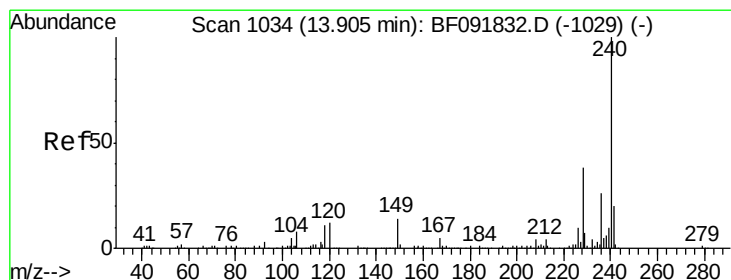
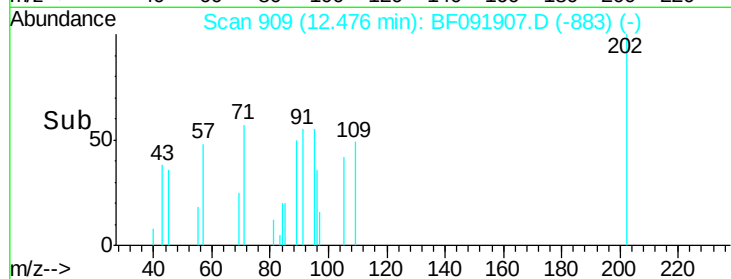
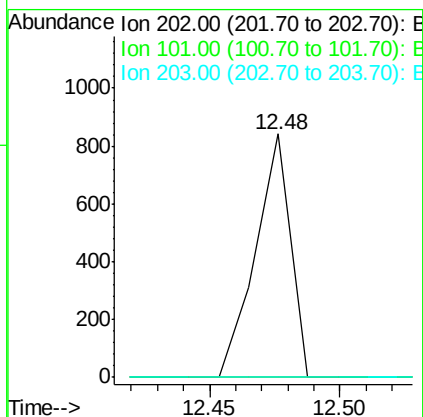
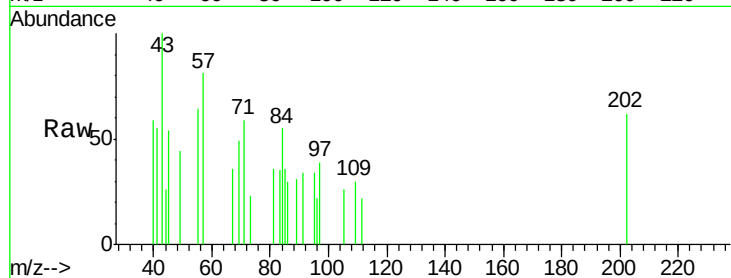




#74
Fluoranthene
Concen: Below Cal
RT: 12.48 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF091907.D
Acq: 23 Dec 2016 6:01

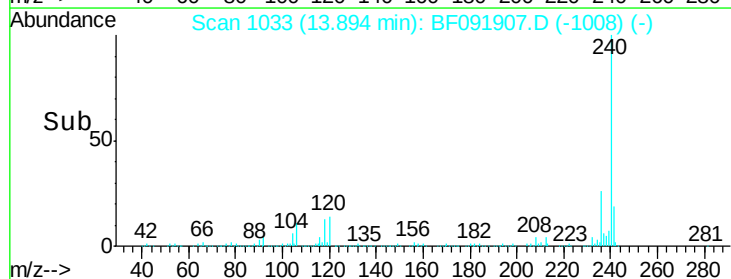
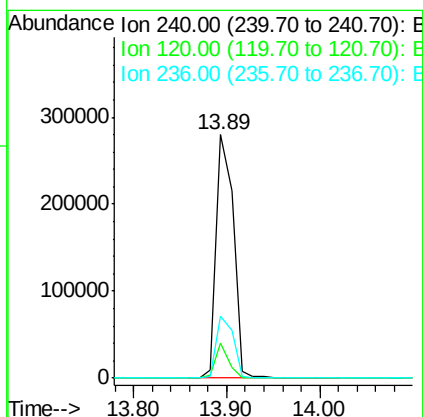
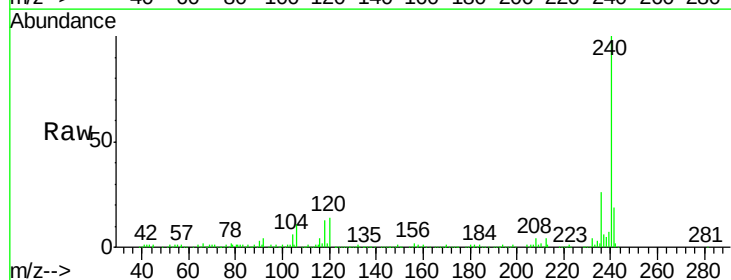
Instrument :
BNA_F
ClientSampleId :
WC-201612

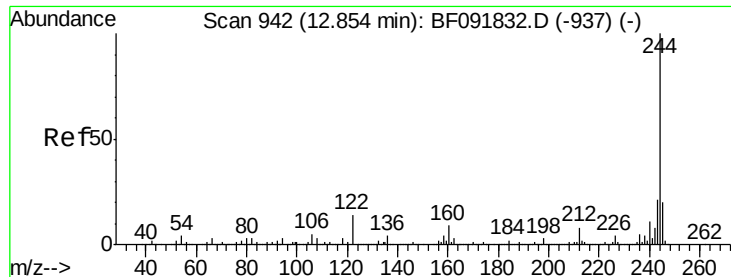
Tgt Ion: 202 Resp: 790
Ion Ratio Lower Upper
202 100
101 0.0 0.0 34.6
203 0.0 0.0 38.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091907.D
Acq: 23 Dec 2016 6:01

Tgt Ion: 240 Resp: 357250
Ion Ratio Lower Upper
240 100
120 14.4 12.9 19.3
236 25.5 20.9 31.3





#78

Terphenyl-d14

Concen: 91.58 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

Instrument :

BNA_F

ClientSampleId :

WC-201612

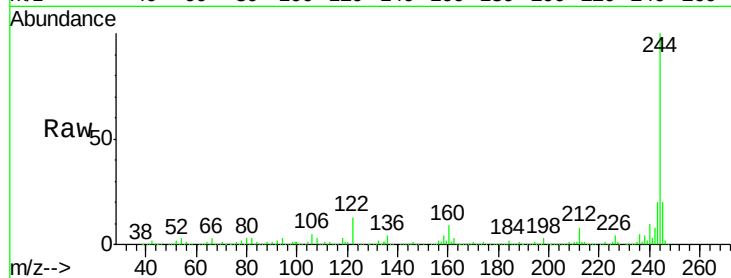
Tgt Ion:244 Resp: 1348997

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

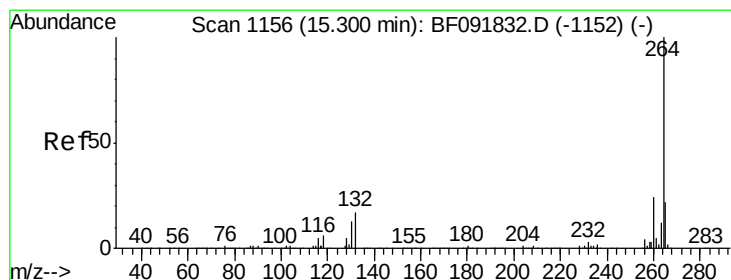
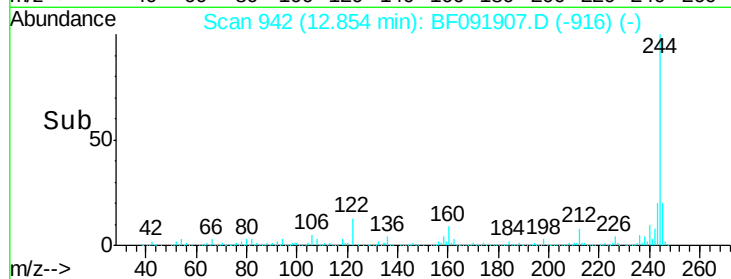
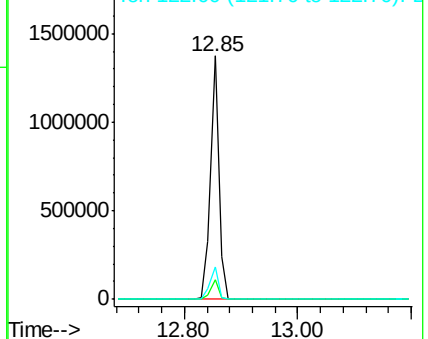
122 13.3 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF091907.D

Acq: 23 Dec 2016 6:01

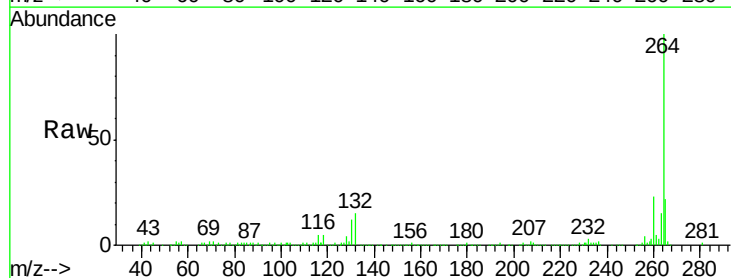
Tgt Ion:264 Resp: 271925

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.6 17.4 26.0



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

