

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121316\
 Data File : BF091563.D
 Acq On : 13 Dec 2016 19:30
 Operator : UM/SJ
 Sample : H5961-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Dec 14 00:22:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

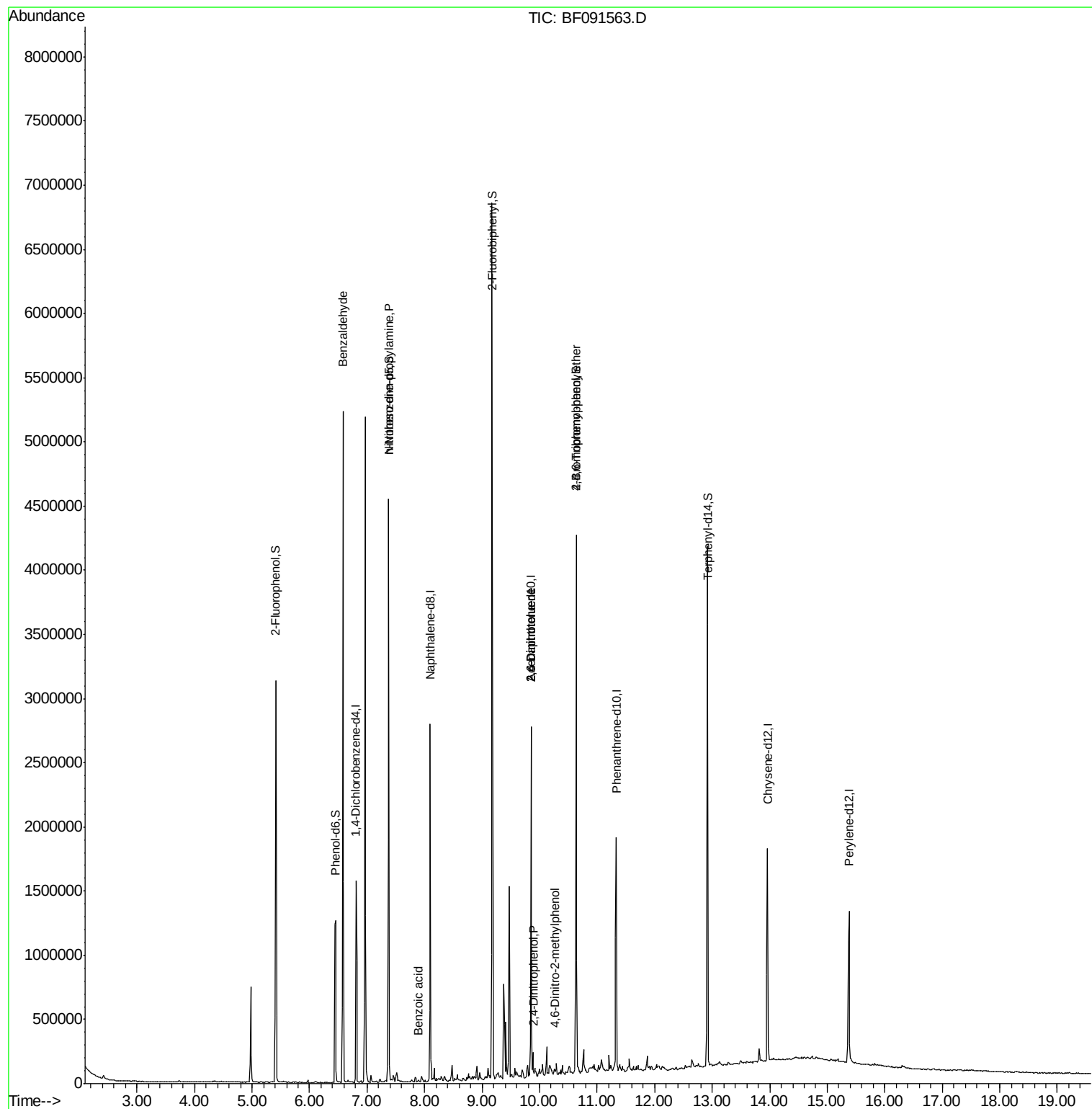
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	289757	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	1173147	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	541093	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	802923	20.00	ng	0.00
75) Chrysene-d12	13.96	240	636226	20.00	ng	0.00
86) Perylene-d12	15.38	264	629108	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	812513	47.24	ng	0.00
7) Phenol-d6	6.45	99	646755	30.16	ng	0.00
23) Nitrobenzene-d5	7.38	82	1603353	76.28	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	477793	106.31	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2491339	79.56	ng	-0.01
78) Terphenyl-d14	12.92	244	1830868	65.30	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	34365	2.33	ng	Qvalue 82
19) n-Nitroso-di-n-propylamine	7.38	70	218935	16.33	ng	# 64
20) 3+4-Methylphenols	7.25	107	1223	Below Cal	#	29
32) Benzoic acid	7.89	122	736	4.95	ng	# 14
50) 2,6-Dinitrotoluene	9.85	165	72044	9.58	ng	# 17
53) 2,4-Dinitrophenol	9.89	184	382	2.12	ng	# 1
56) 2,4-Dinitrotoluene	9.85	165	72032	7.64	ng	# 34
57) Fluorene	10.40	166	15814	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.27	198	1369	3.21	ng	88
66) 4-Bromophenyl-phenylether	10.64	248	29357	3.57	ng	# 1

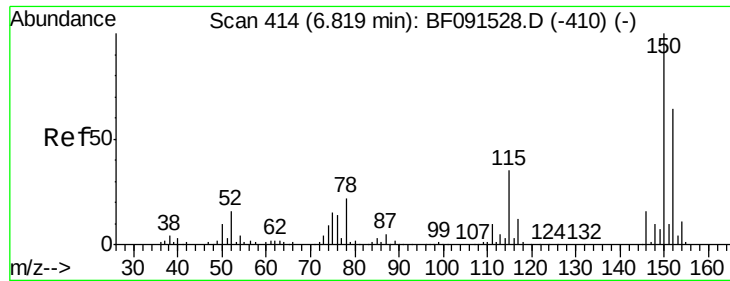
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

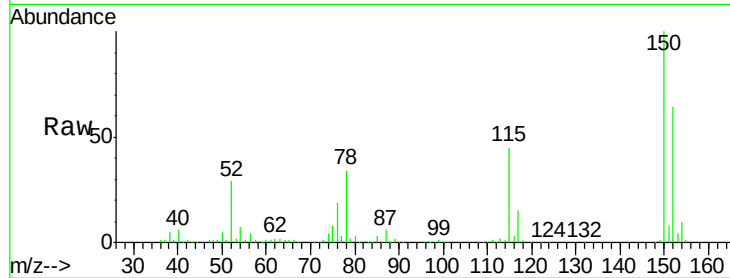
Tgt Ion:152 Resp: 289757

Ion Ratio Lower Upper

152 100

150 157.1 122.5 183.7

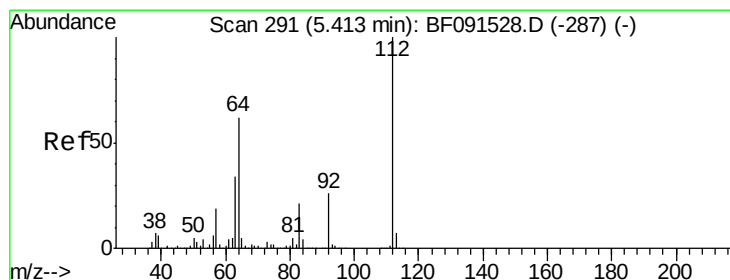
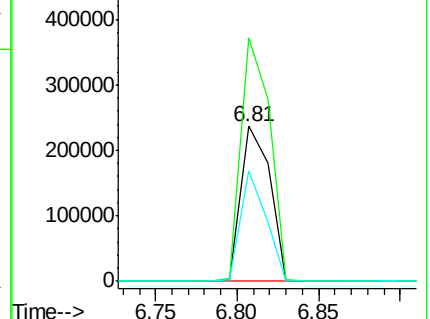
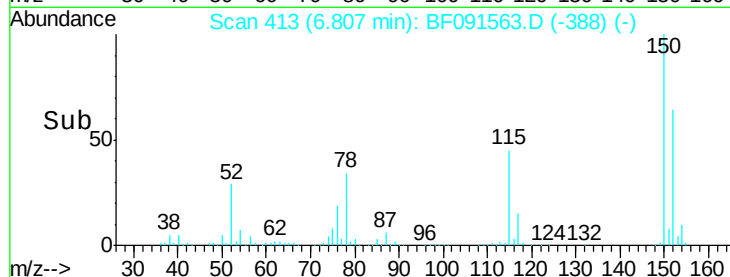
115 71.0 51.8 77.8



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: 47.24 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

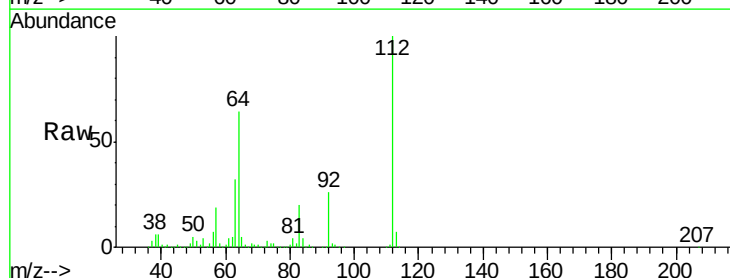
Tgt Ion:112 Resp: 812513

Ion Ratio Lower Upper

112 100

64 63.7 61.5 92.3

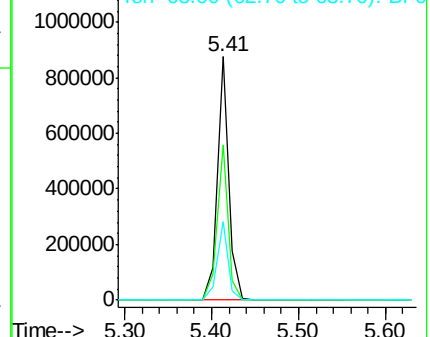
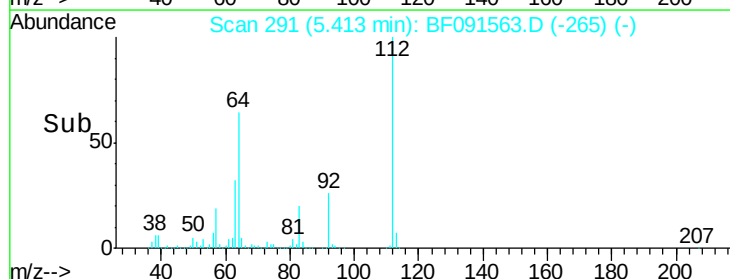
63 32.3 33.3 49.9#

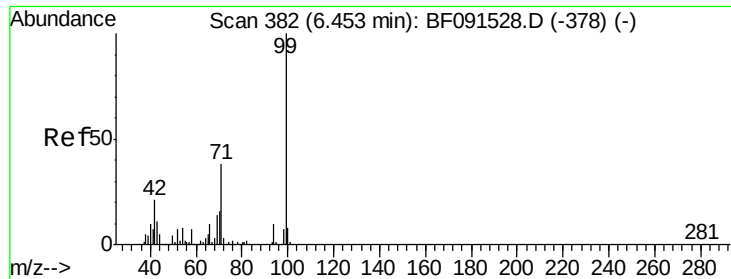


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.16 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

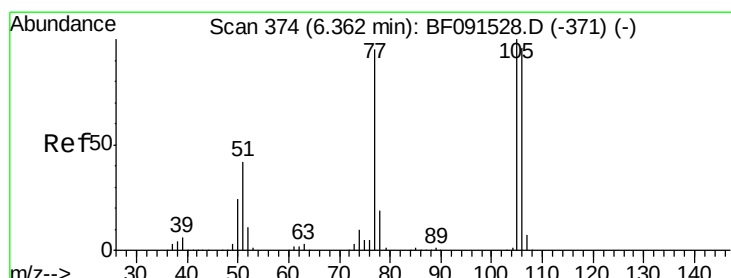
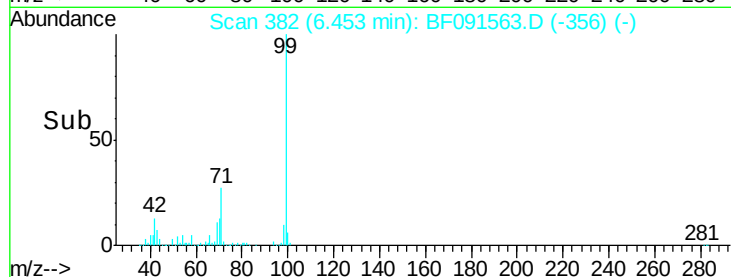
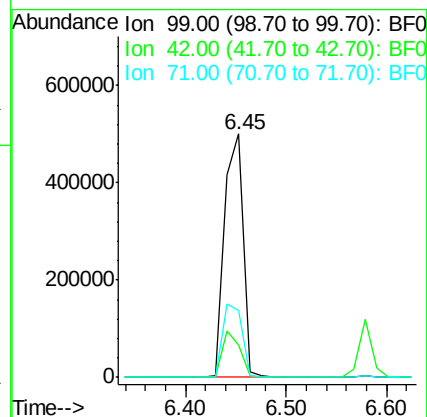
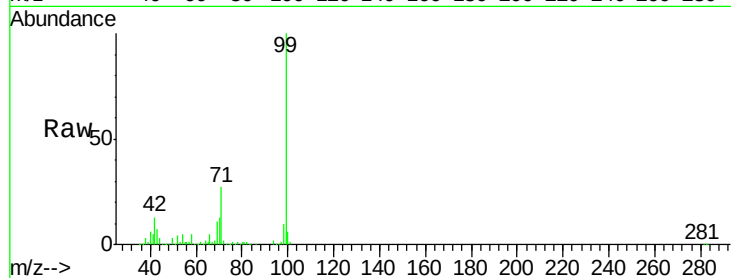
Tgt Ion: 99 Resp: 646755

Ion Ratio Lower Upper

99 100

42 13.4 20.6 31.0#

71 27.3 29.9 44.9#



#9

Benzaldehyde

Concen: 2.33 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.22 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

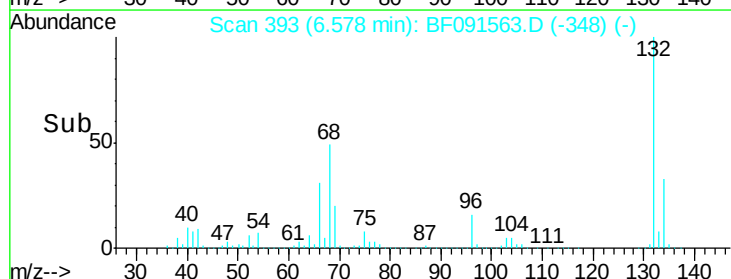
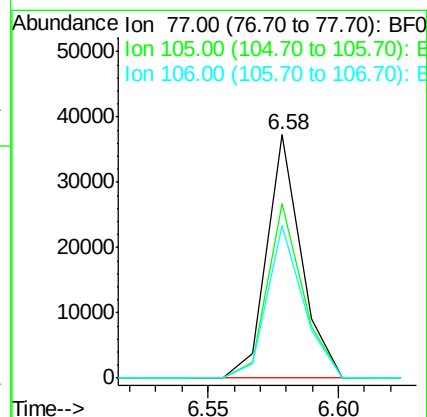
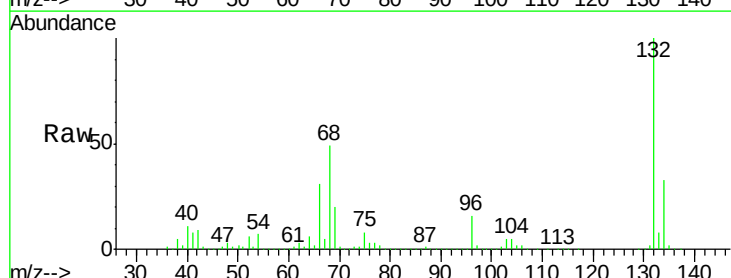
Tgt Ion: 77 Resp: 34365

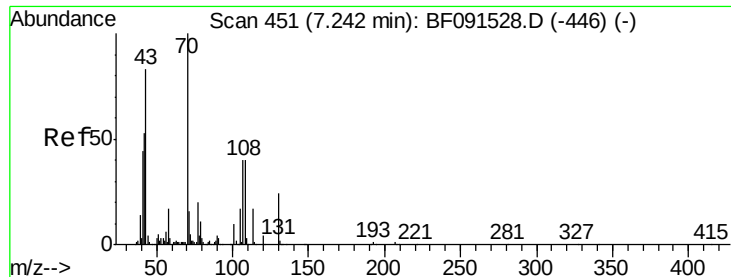
Ion Ratio Lower Upper

77 100

105 71.4 66.4 106.4

106 63.0 60.9 100.9

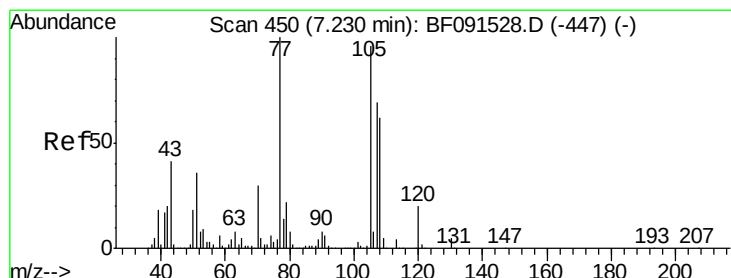
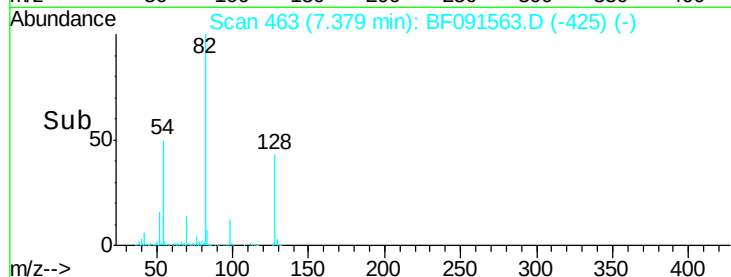
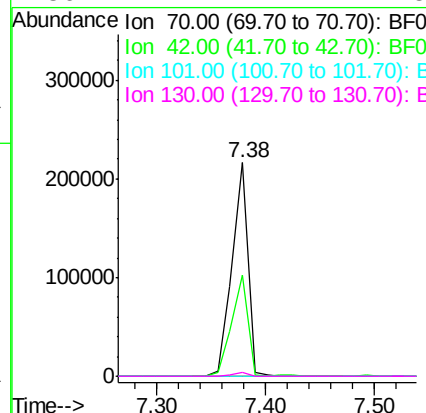
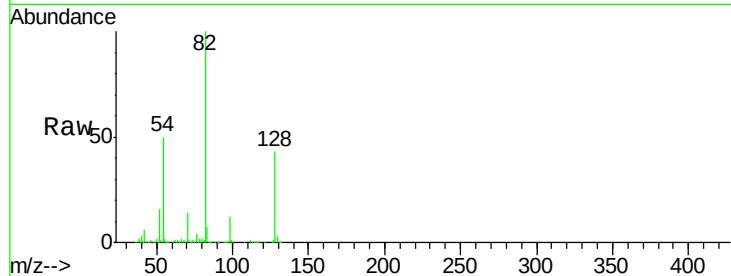




#19
n-Nitroso-di-n-propylamine
Concen: 16.33 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.14 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

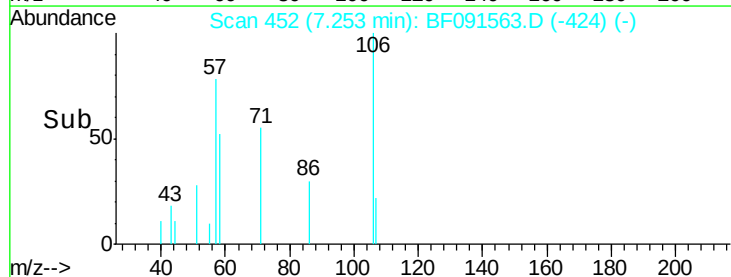
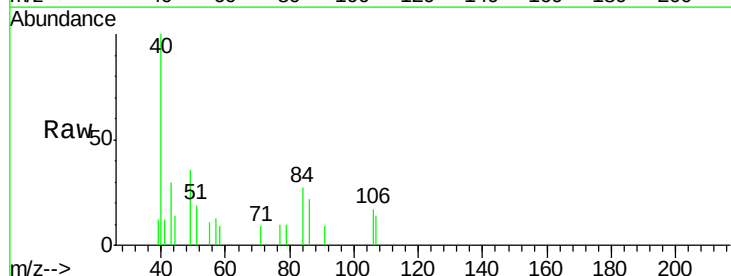
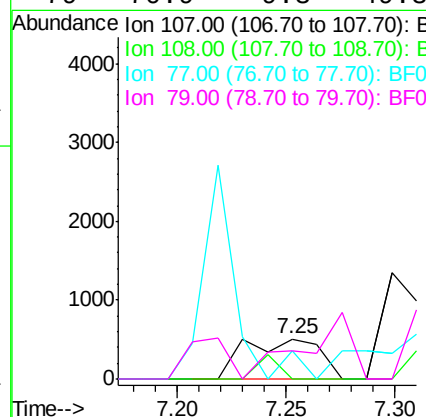
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

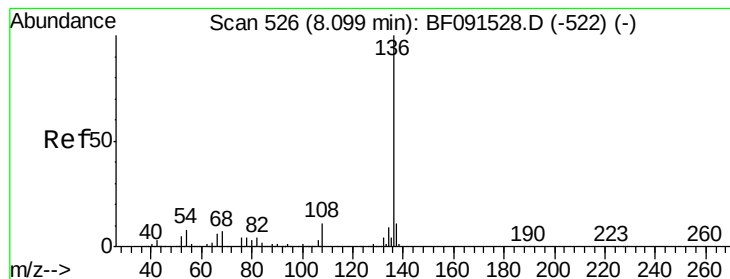
Tgt Ion: 70 Resp: 218935
Ion Ratio Lower Upper
70 100
42 47.3 64.8 97.2#
101 0.0 6.2 9.4#
130 2.1 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.25 min Scan# 452
Delta R.T. 0.02 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

Tgt Ion:107 Resp: 1223
Ion Ratio Lower Upper
107 100
108 0.0 64.6 104.6#
77 71.3 30.9 70.9#
79 70.9 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

Tgt Ion:136 Resp: 1173147

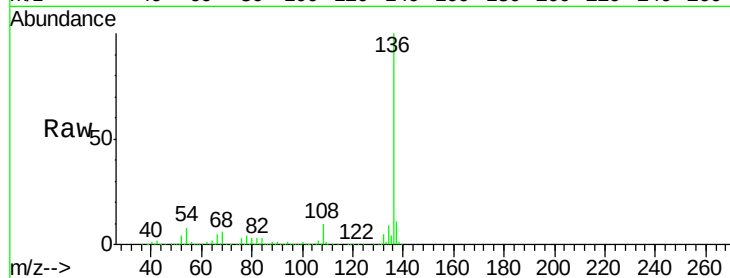
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.6 9.1 13.7#

68 6.1 5.9 8.9

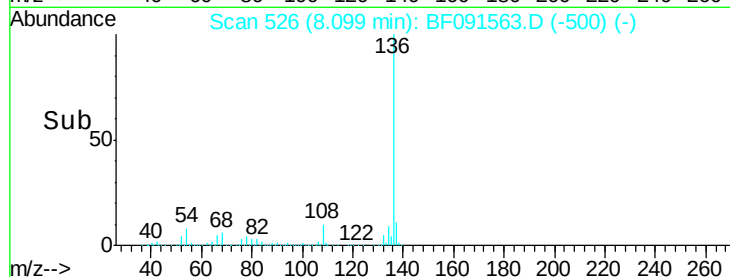


Abundance Ion 136.00 (135.70 to 136.70): E

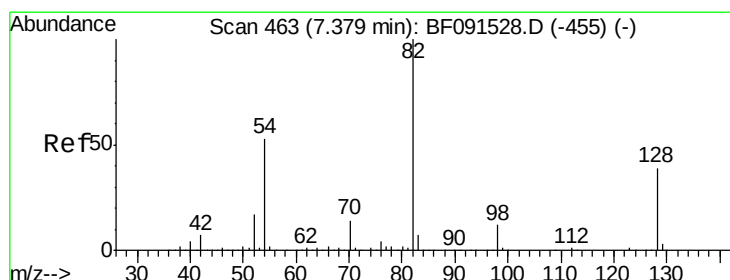
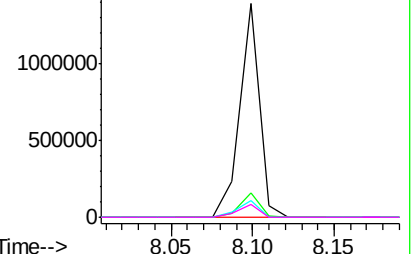
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 76.28 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

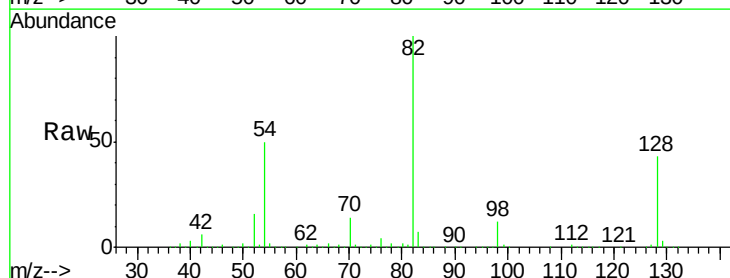
Tgt Ion: 82 Resp: 1603353

Ion Ratio Lower Upper

82 100

128 42.8 31.8 47.6

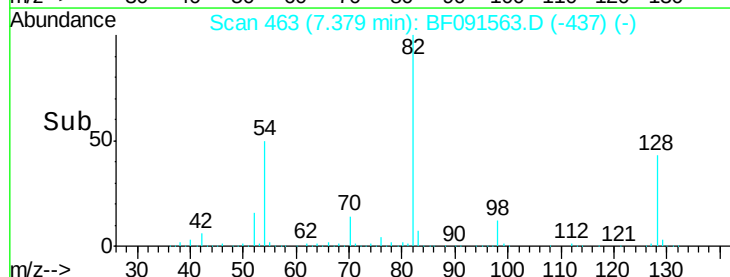
54 50.4 49.1 73.7



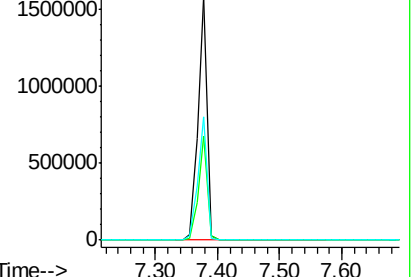
Abundance Ion 82.00 (81.70 to 82.70): BF0

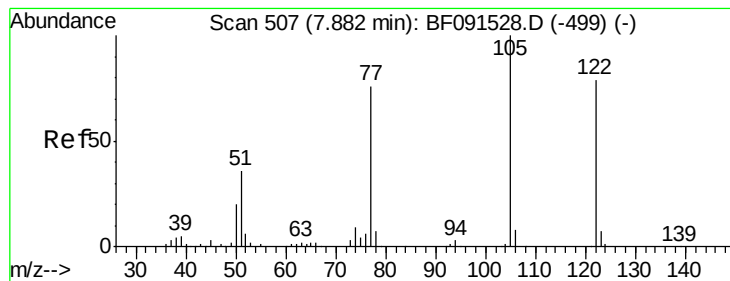
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#32

Benzoic acid

Concen: 4.95 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.01 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

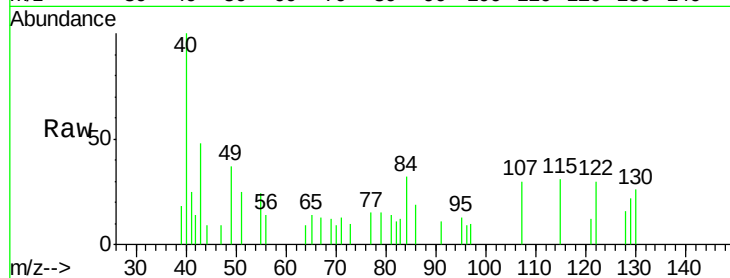
Tgt Ion:122 Resp: 736

Ion Ratio Lower Upper

122 100

105 0.0 113.0 153.0#

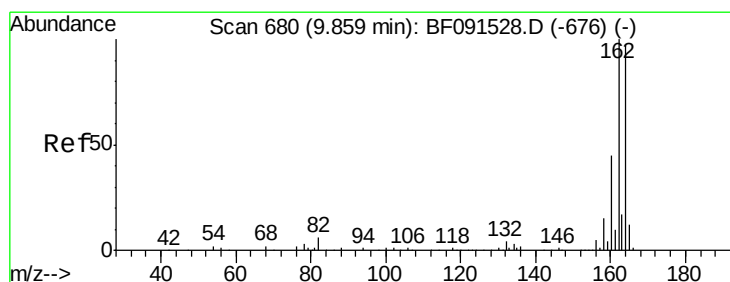
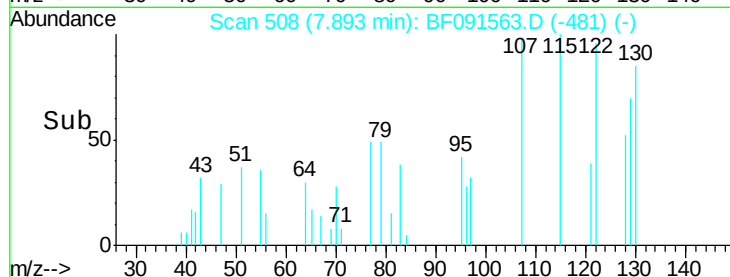
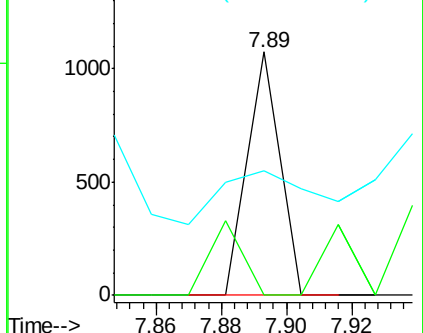
77 51.1 82.0 122.0#



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: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

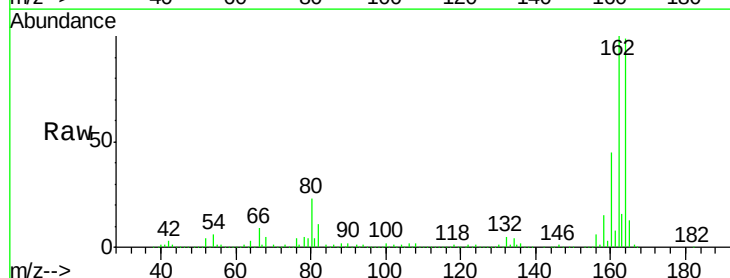
Tgt Ion:164 Resp: 541093

Ion Ratio Lower Upper

164 100

162 100.7 82.6 124.0

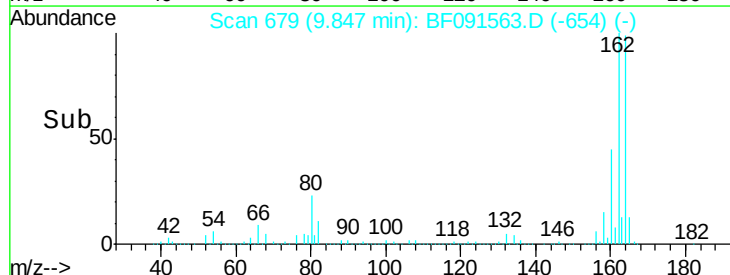
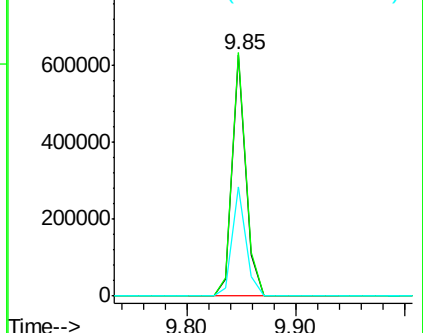
160 45.1 36.7 55.1

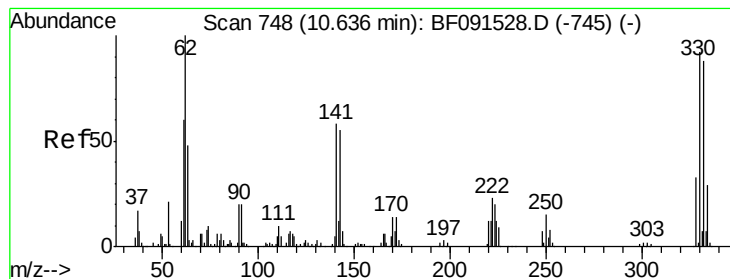


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 106.31 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

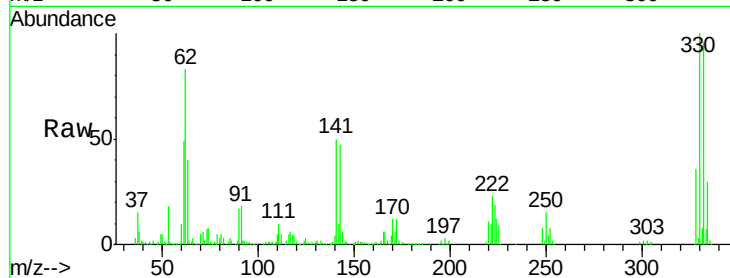
Tgt Ion:330 Resp: 477793

Ion Ratio Lower Upper

330 100

332 96.5 76.2 114.4

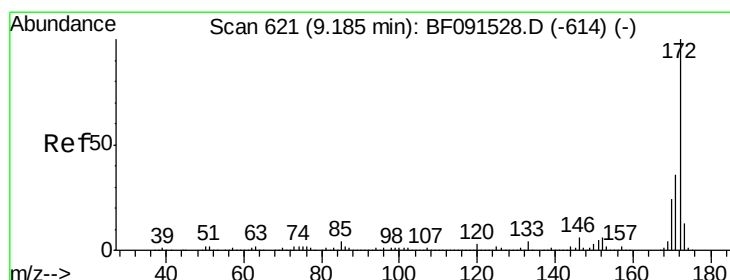
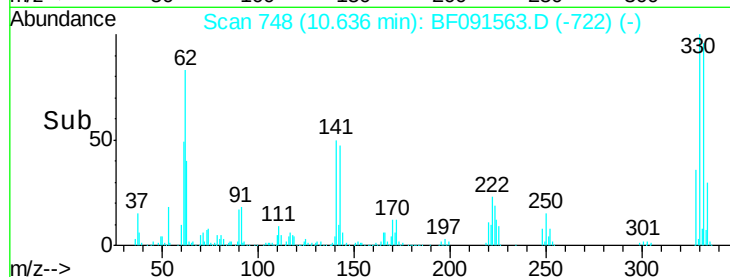
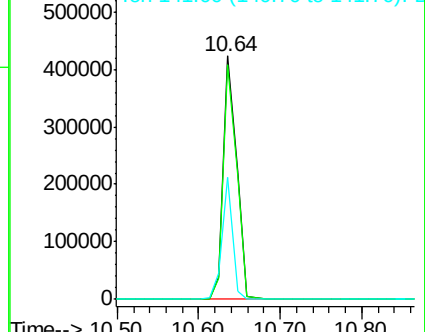
141 40.3 33.6 50.4



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: 79.56 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

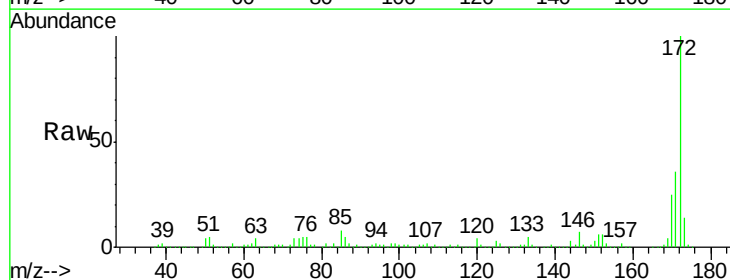
Tgt Ion:172 Resp: 2491339

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

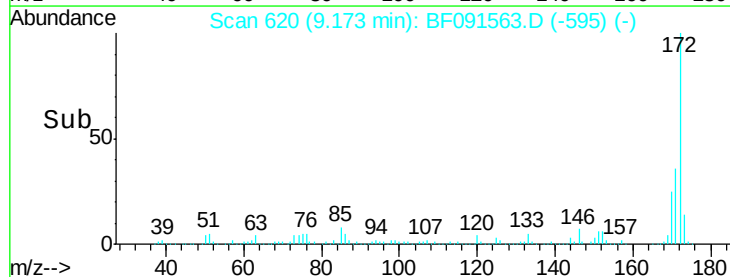
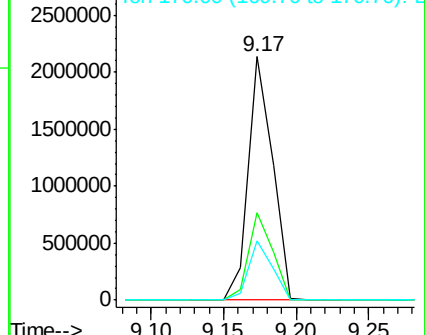
170 24.6 19.7 29.5

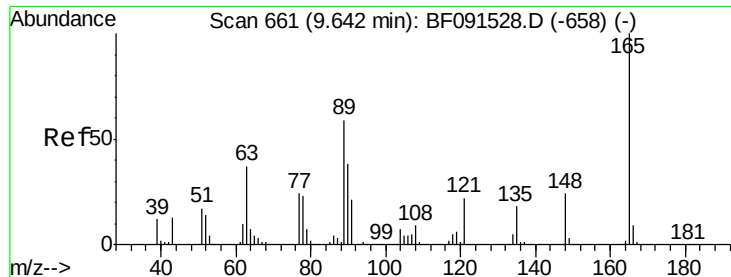


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

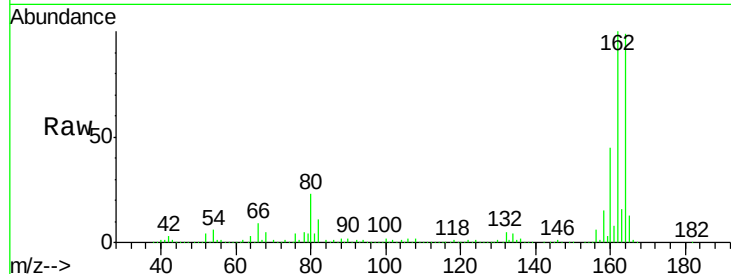




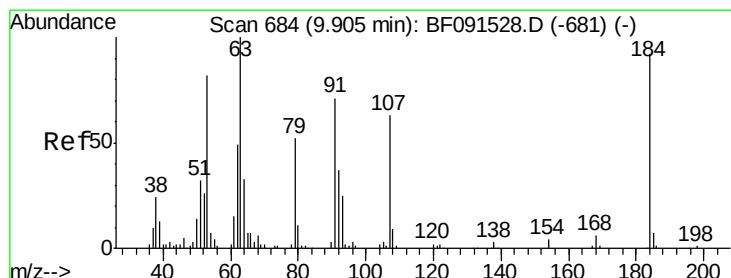
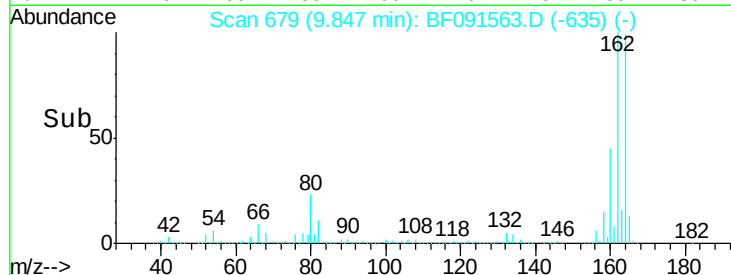
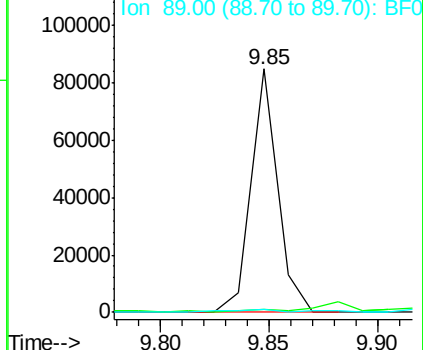
#50
 2,6-Dinitrotoluene
 Concen: 9.58 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.21 min
 Lab File: BF091563.D
 Acq: 13 Dec 2016 19:30

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	59.4	89.0#
89	1.2	50.8	76.2#

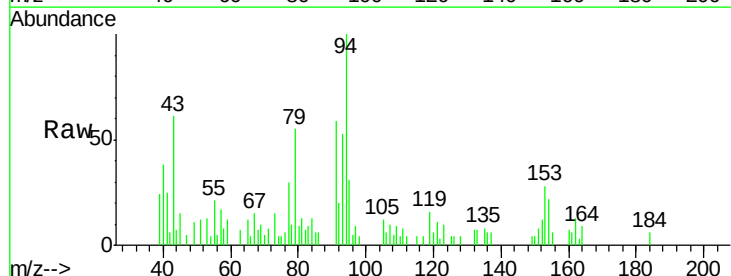


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

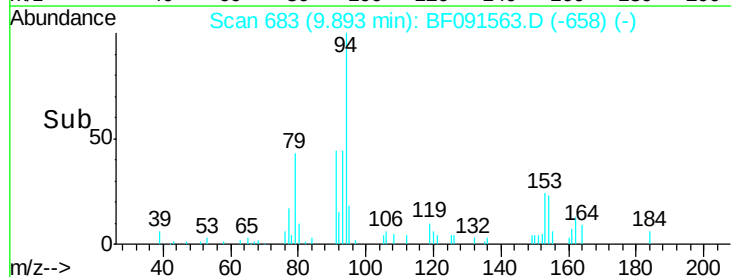
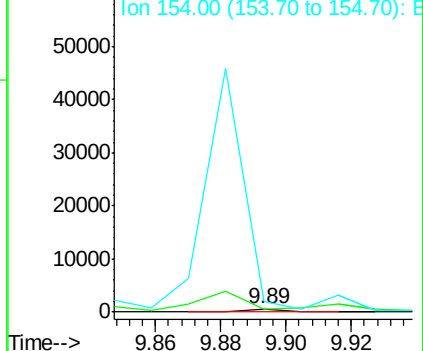


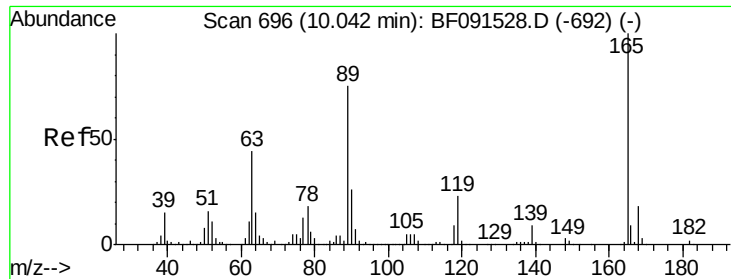
#53
 2,4-Dinitrophenol
 Concen: 2.12 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF091563.D
 Acq: 13 Dec 2016 19:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	111.1	58.3	87.5#
154	358.7	48.6	73.0#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

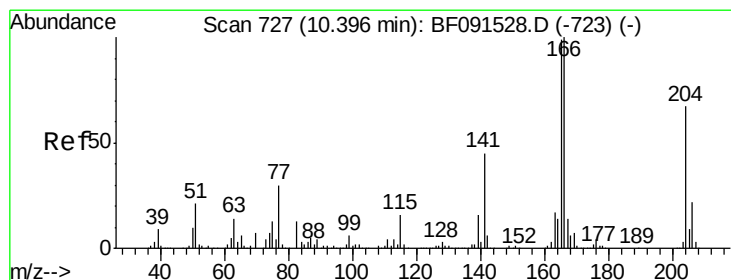
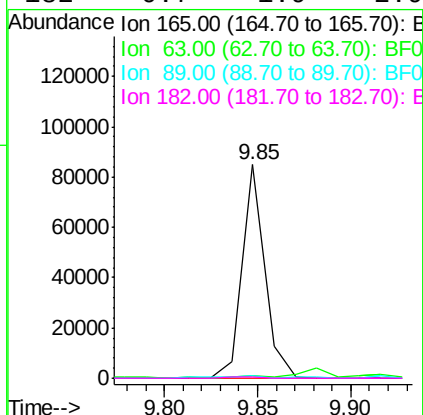
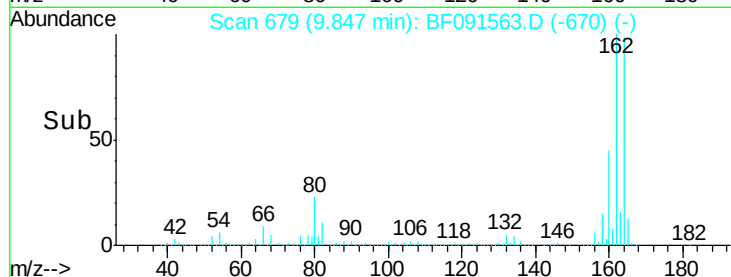
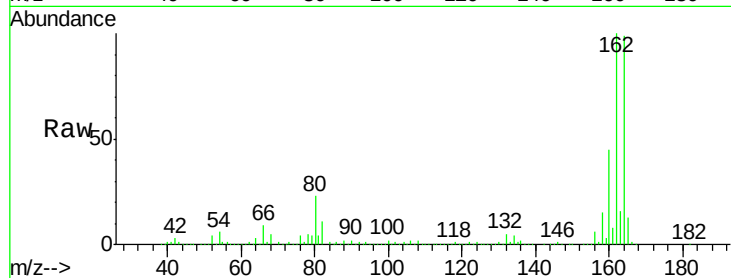




#56
2,4-Dinitrotoluene
Concen: 7.64 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

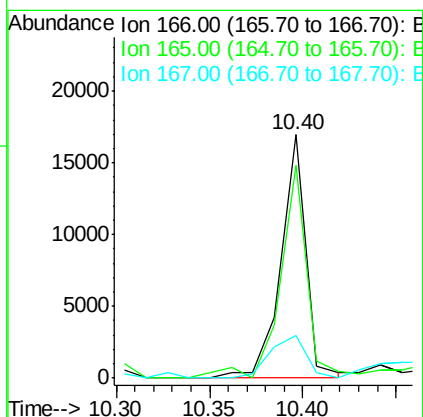
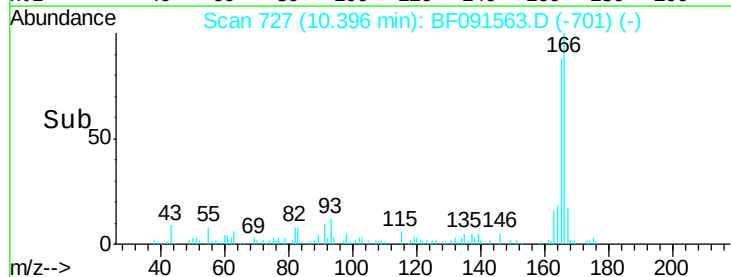
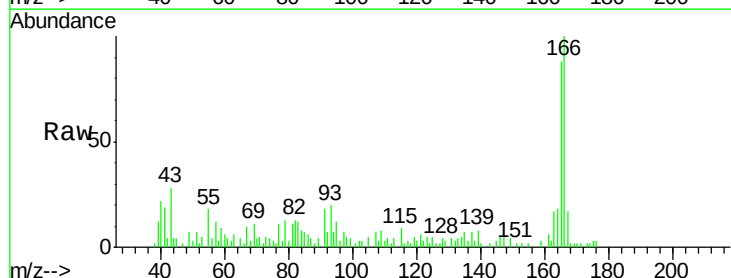
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

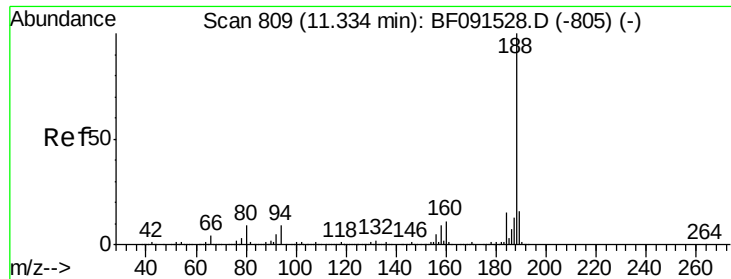
Tgt Ion:	165	Resp:	72032
Ion	Ratio	Lower	Upper
165	100		
63	1.3	29.0	43.4#
89	1.2	43.1	64.7#
182	0.7	1.9	2.9#



#57
Fluorene
Concen: Below Cal
RT: 10.40 min Scan# 727
Delta R.T. 0.00 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

Tgt Ion:	166	Resp:	15814
Ion	Ratio	Lower	Upper
166	100		
165	87.6	80.0	120.0
167	17.3	10.8	16.2#

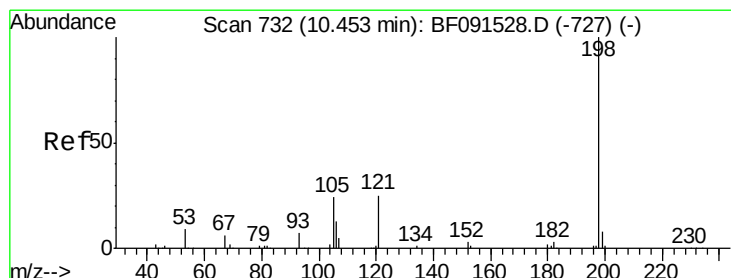
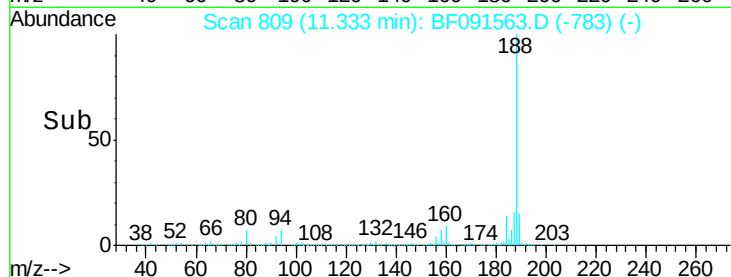
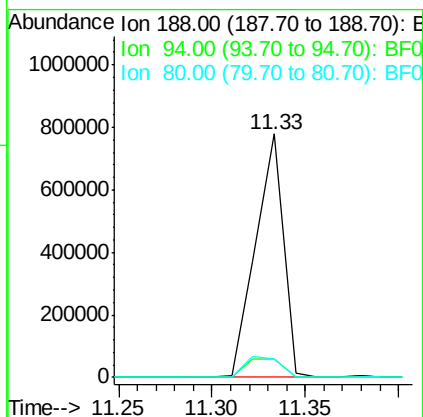
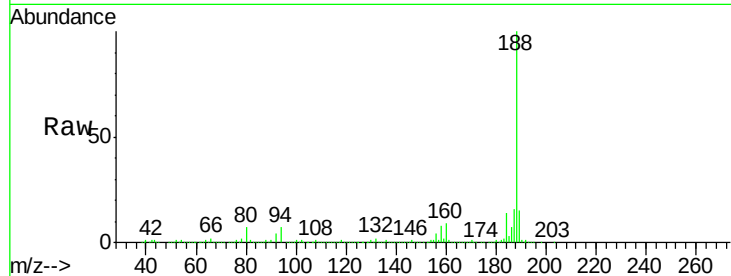




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

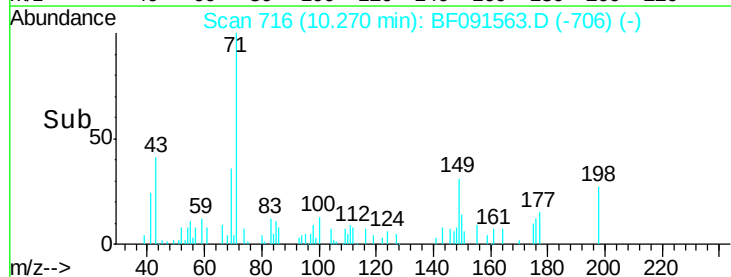
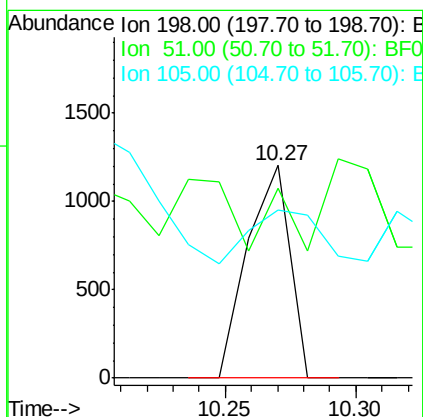
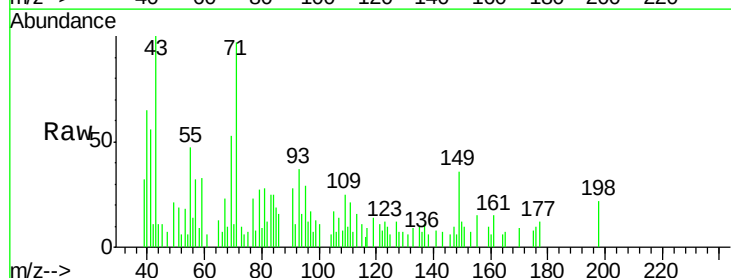
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

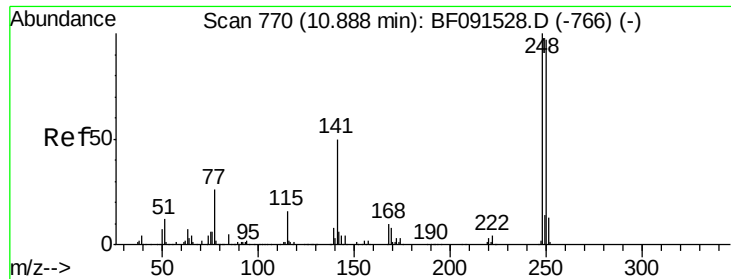
Tgt Ion:188 Resp: 802923
Ion Ratio Lower Upper
188 100
94 7.3 9.2 13.8#
80 7.3 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 3.21 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.18 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

Tgt Ion:198 Resp: 1369
Ion Ratio Lower Upper
198 100
51 89.5 77.1 117.1
105 78.9 44.8 84.8

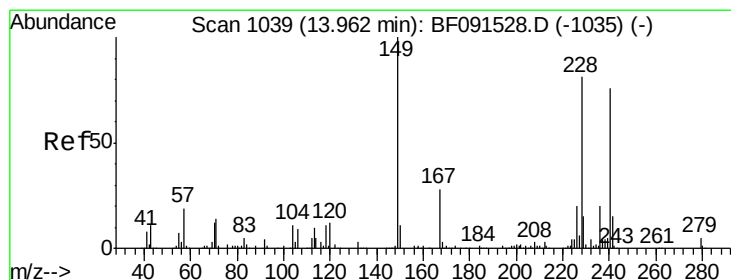
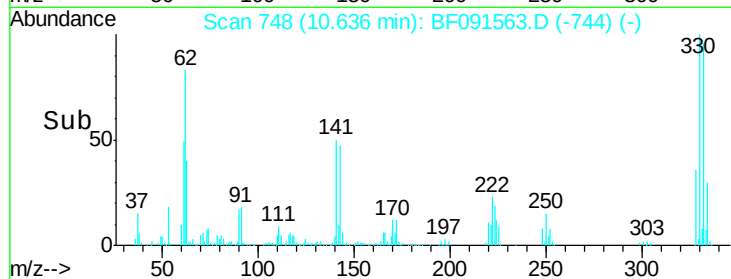
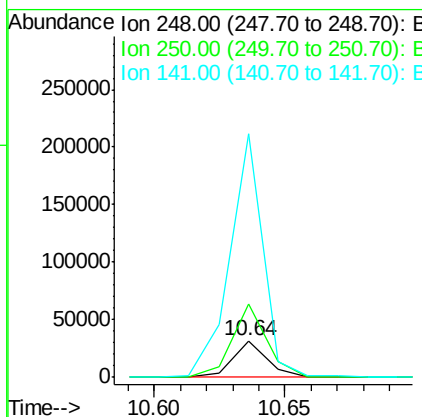
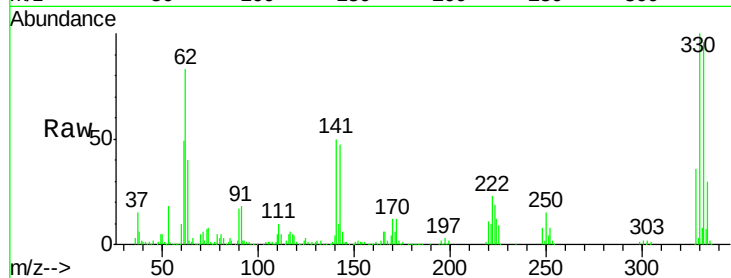




#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

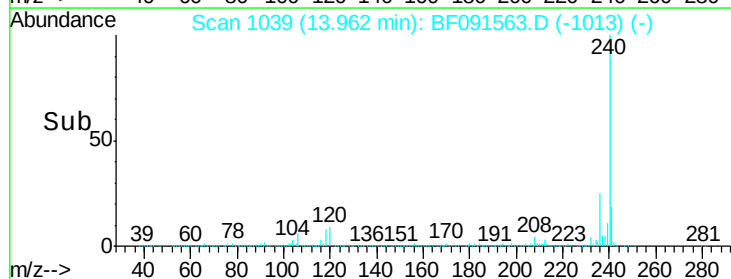
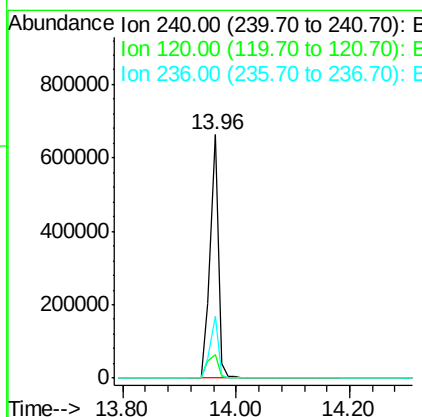
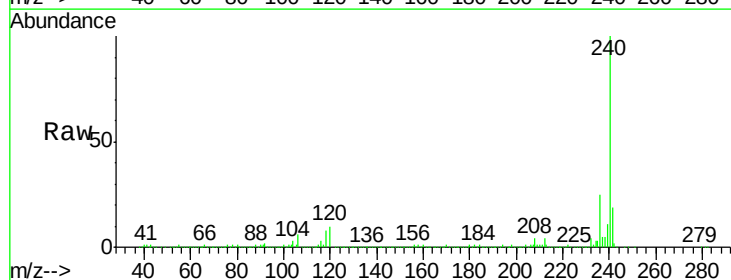
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

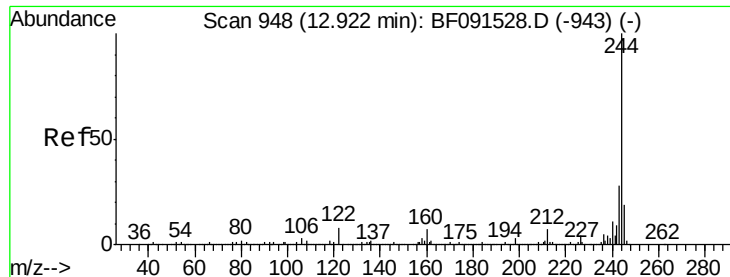
Tgt Ion:248 Resp: 29357
Ion Ratio Lower Upper
248 100
250 201.4 78.2 117.4#
141 665.3 71.9 107.9#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF091563.D
Acq: 13 Dec 2016 19:30

Tgt Ion:240 Resp: 636226
Ion Ratio Lower Upper
240 100
120 9.5 12.1 18.1#
236 25.5 21.0 31.6





#78

Terphenyl-d14

Concen: 65.30 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW27S-GW

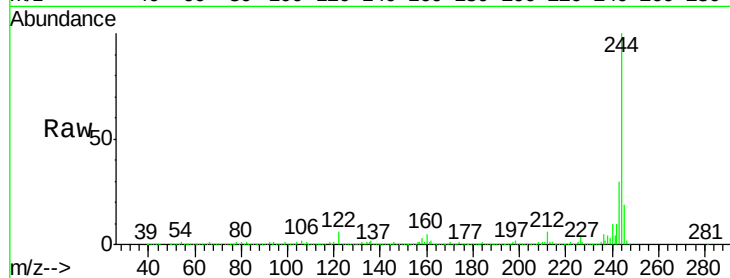
Tgt Ion:244 Resp: 1830868

Ion Ratio Lower Upper

244 100

212 6.2 6.5 9.7#

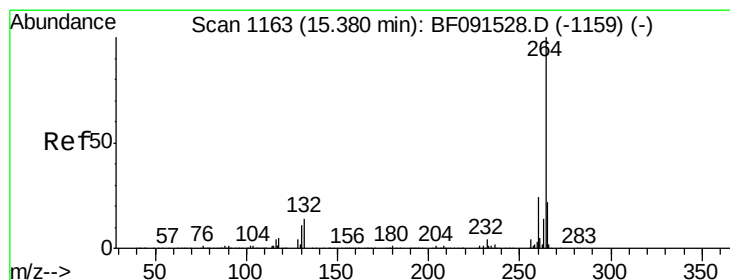
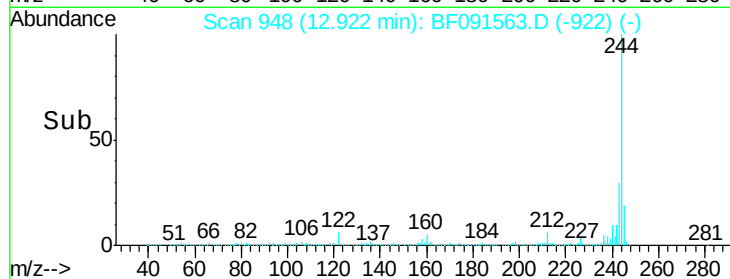
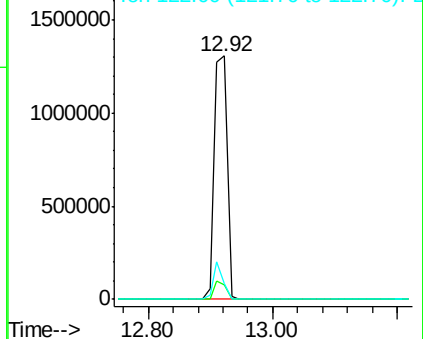
122 6.3 9.5 14.3#



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: 15.38 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF091563.D

Acq: 13 Dec 2016 19:30

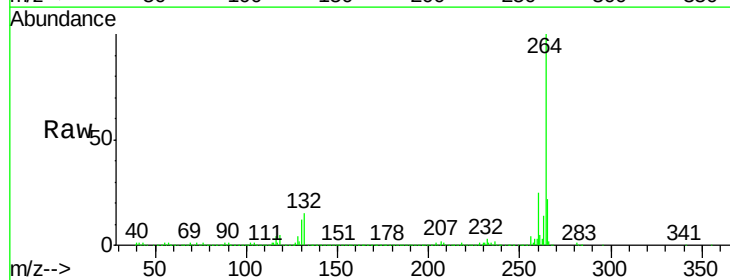
Tgt Ion:264 Resp: 629108

Ion Ratio Lower Upper

264 100

260 24.6 18.8 28.2

265 21.7 17.0 25.6



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

