

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091645.D
 Acq On : 15 Dec 2016 23:00
 Operator : UM/SJ
 Sample : H5940-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS05-0-2IN

Quant Time: Dec 16 00:16:11 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

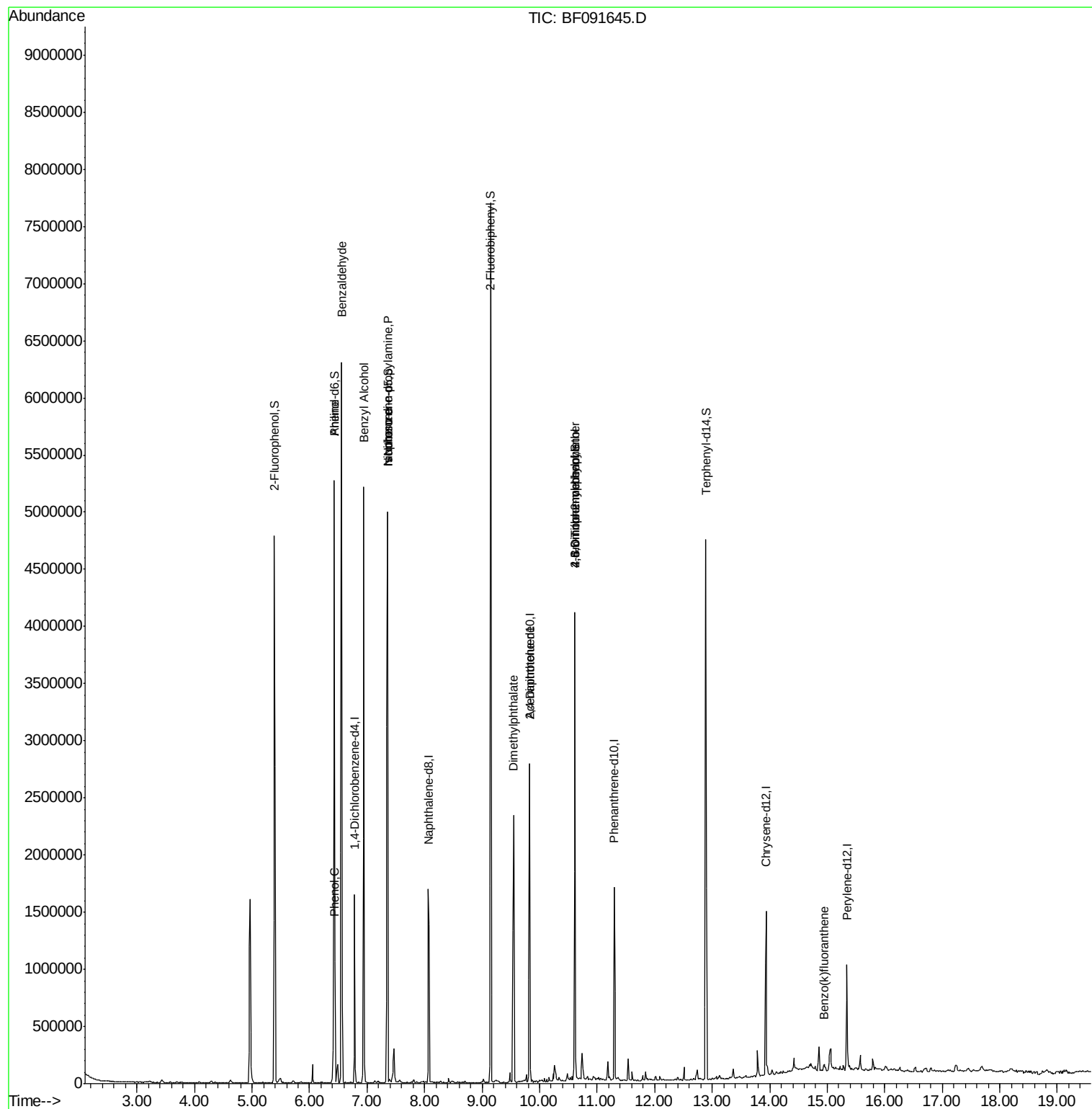
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	216279	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1102314	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	547203	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	683505	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	612134	20.00	ng	-0.02
86) Perylene-d12	15.35	264	447720	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1777973	138.50	ng	-0.02
7) Phenol-d6	6.43	99	2008331	125.49	ng	-0.02
23) Nitrobenzene-d5	7.36	82	2155742	109.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	486748	107.09	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2263498	71.47	ng	-0.03
78) Terphenyl-d14	12.89	244	1603539	59.44	ng	-0.03
Target Compounds						
6) Aniline	6.43	93	75592	3.60	ng	# 22
9) Benzaldehyde	6.56	77	45361	4.12	ng	83
10) Phenol	6.44	94	56120	3.00	ng	89
15) Benzyl Alcohol	6.94	79	28415	2.25	ng	# 36
19) n-Nitroso-di-n-propylamine	7.36	70	289653	28.94	ng	# 62
20) 3+4-Methylphenols	7.21	107	256	Below Cal		# 20
25) Isophorone	7.36	82	1976006	56.28	ng	# 67
49) Dimethylphthalate	9.55	163	1194716	34.48	ng	100
56) 2,4-Dinitrotoluene	9.82	165	72726	7.63	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1359	3.25	ng	# 15
66) 4-Bromophenyl-phenylether	10.61	248	34626	4.94	ng	# 1
88) Benzo(k)fluoranthene	14.95	252	48827	2.08	ng	# 95

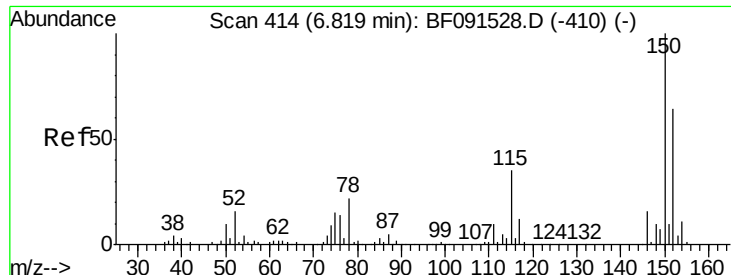
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

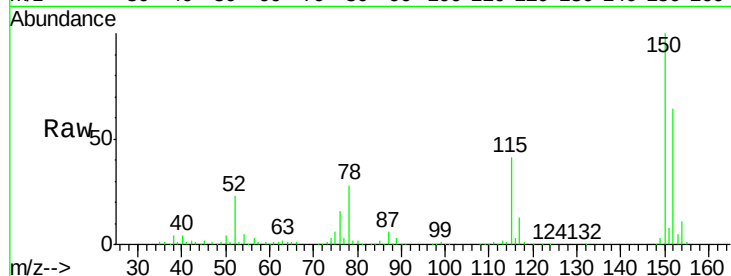
Tgt Ion:152 Resp: 216279

Ion Ratio Lower Upper

152 100

150 156.2 122.5 183.7

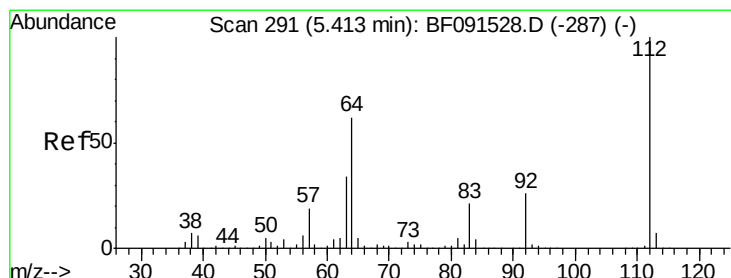
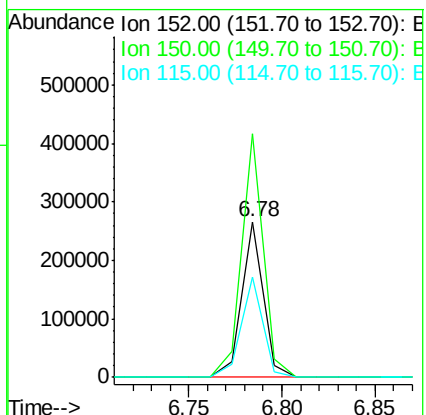
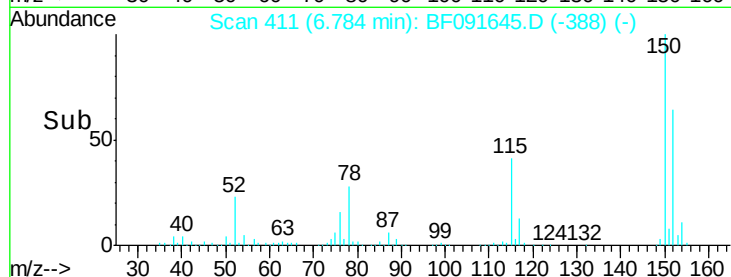
115 64.2 51.8 77.8



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: 138.50 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

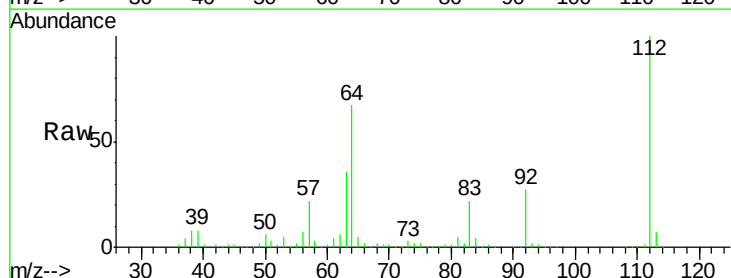
Tgt Ion:112 Resp: 1777973

Ion Ratio Lower Upper

112 100

64 67.2 61.5 92.3

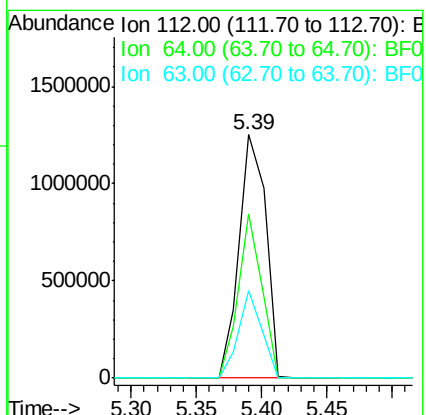
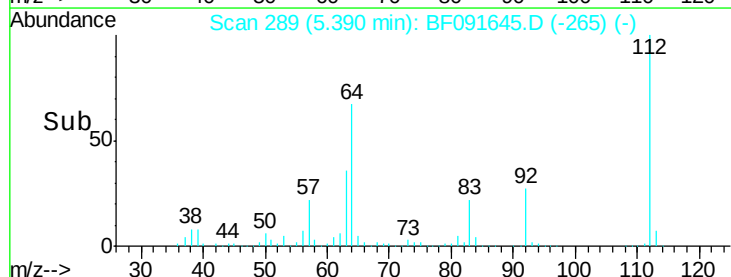
63 36.0 33.3 49.9

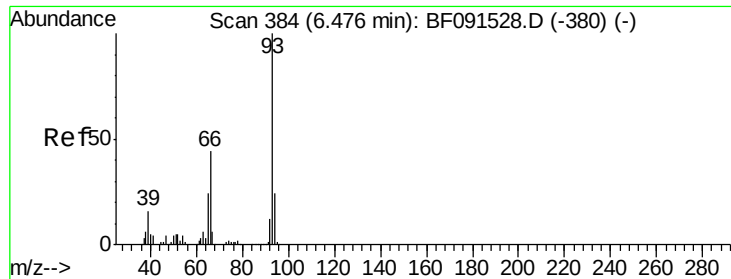


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.60 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

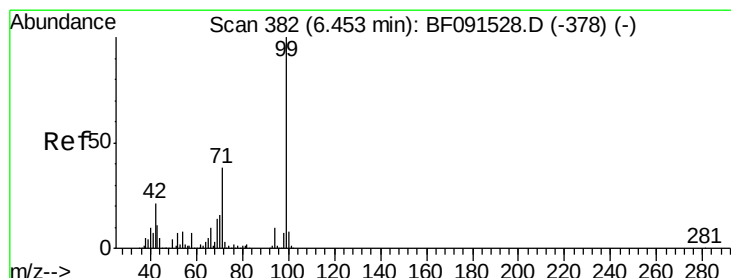
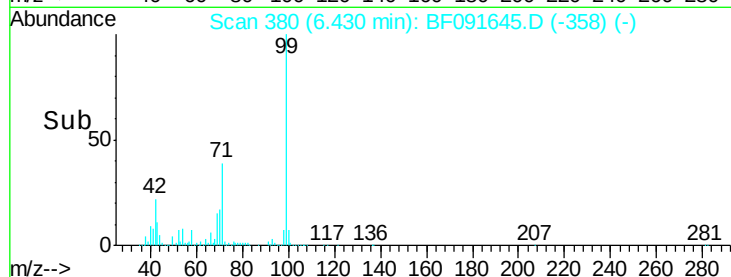
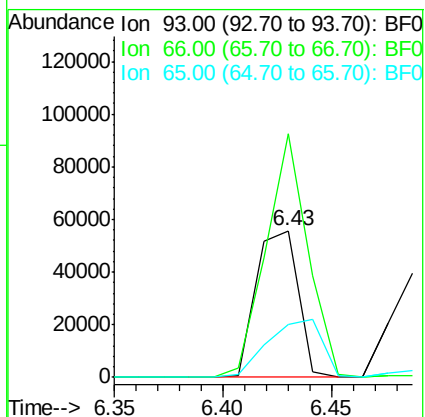
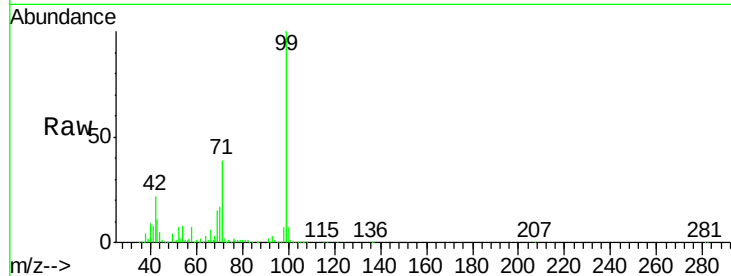
Tgt Ion: 93 Resp: 75592

Ion Ratio Lower Upper

93 100

66 166.3 55.8 83.6#

65 35.9 29.9 44.9



#7

Phenol-d6

Concen: 125.49 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

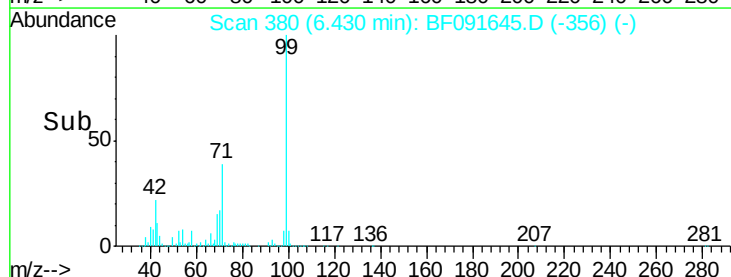
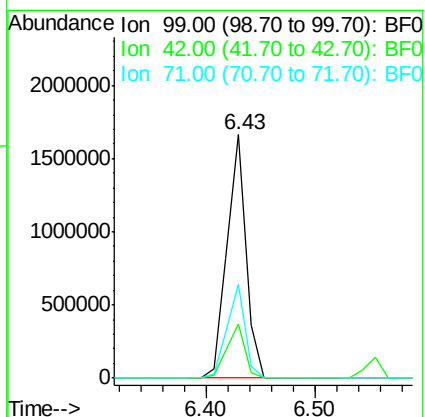
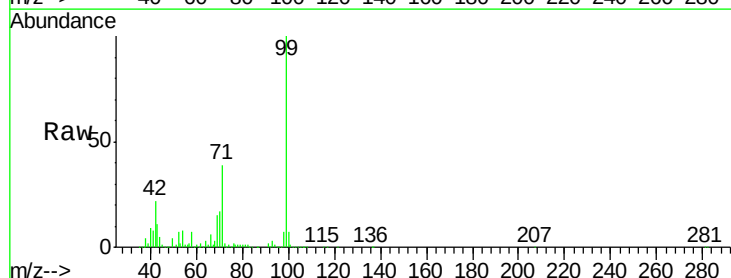
Tgt Ion: 99 Resp: 2008331

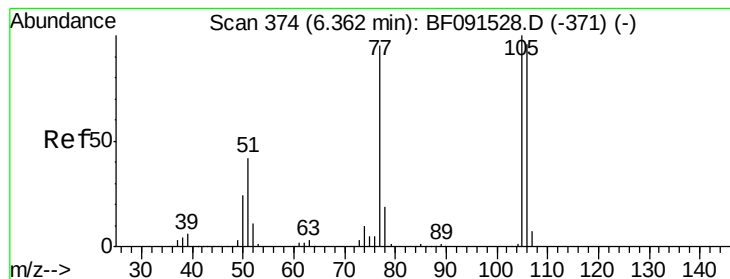
Ion Ratio Lower Upper

99 100

42 22.0 20.6 31.0

71 38.7 29.9 44.9





#9

Benzaldehyde

Concen: 4.12 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

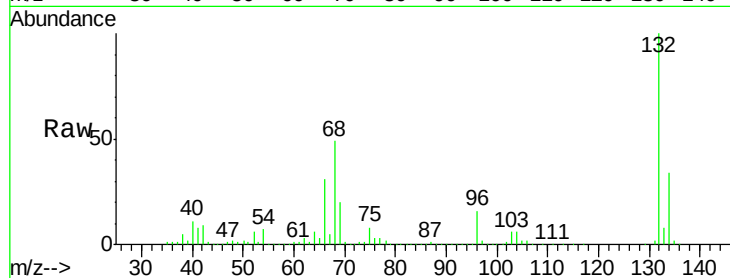
Tgt Ion: 77 Resp: 45361

Ion Ratio Lower Upper

77 100

105 71.7 66.4 106.4

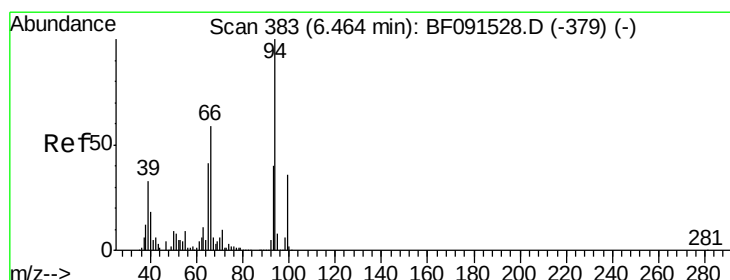
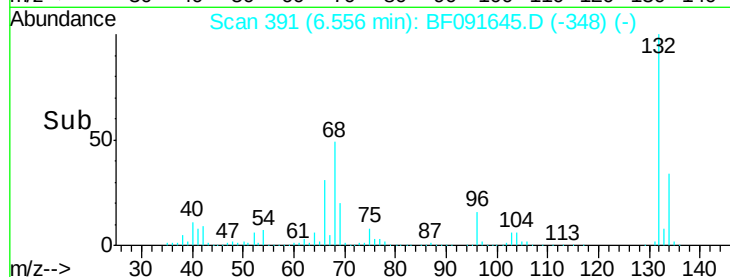
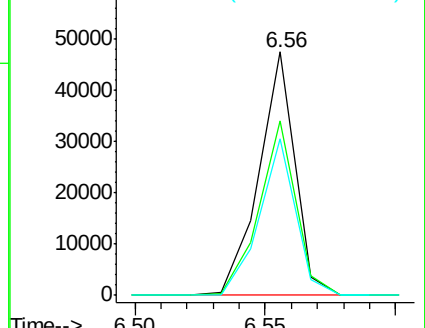
106 64.5 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 3.00 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

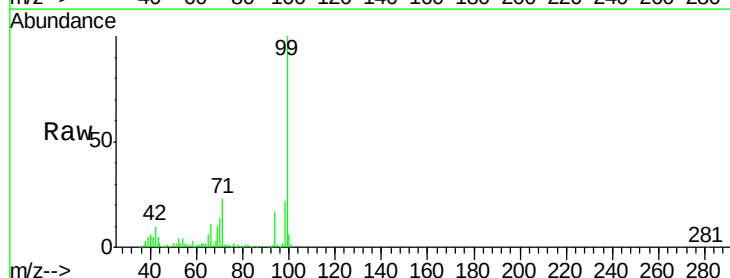
Tgt Ion: 94 Resp: 56120

Ion Ratio Lower Upper

94 100

65 36.1 16.9 56.9

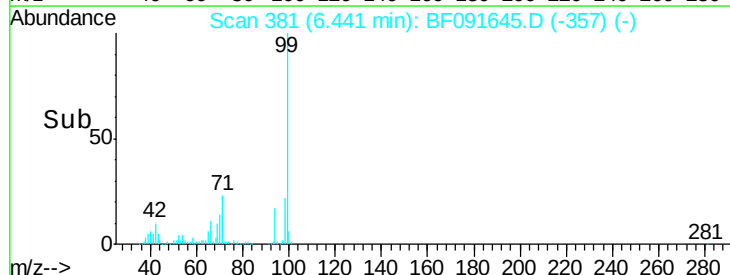
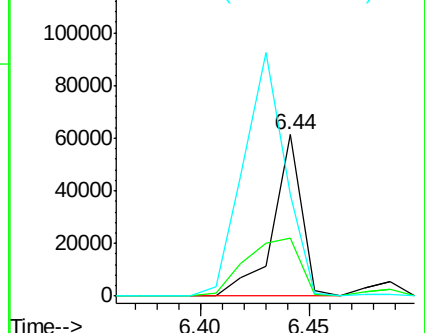
66 62.7 30.6 70.6

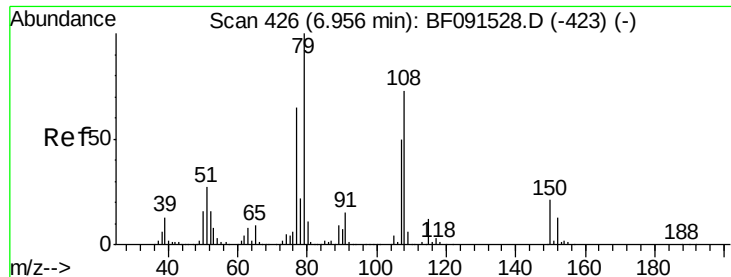


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

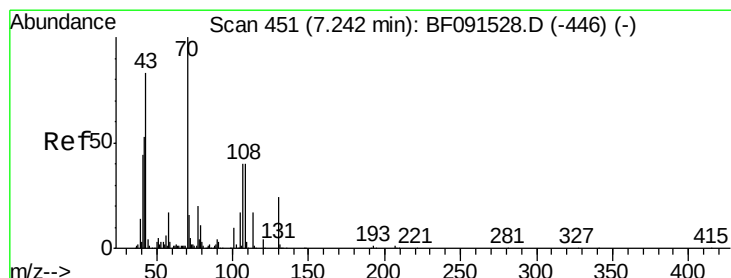
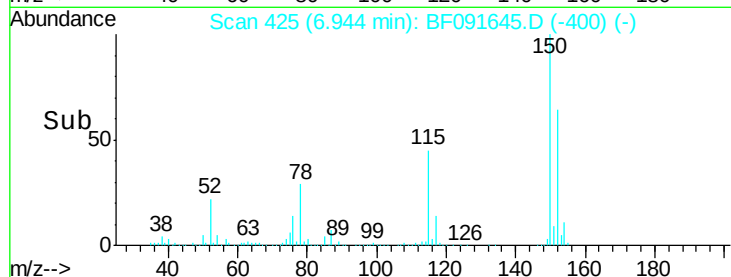
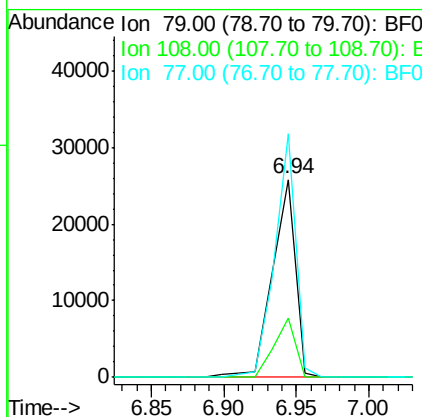
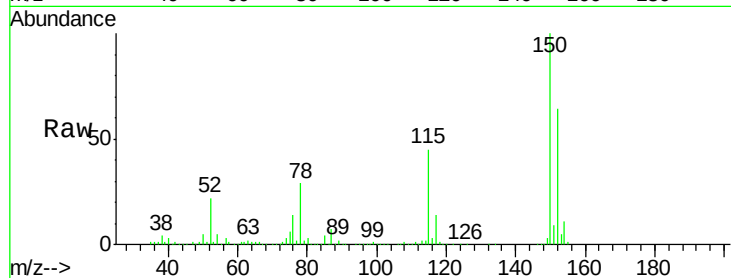
Tgt Ion: 79 Resp: 28415

Ion Ratio Lower Upper

79 100

108 29.7 62.7 94.1#

77 123.0 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 28.94 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.11 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Tgt Ion: 70 Resp: 289653

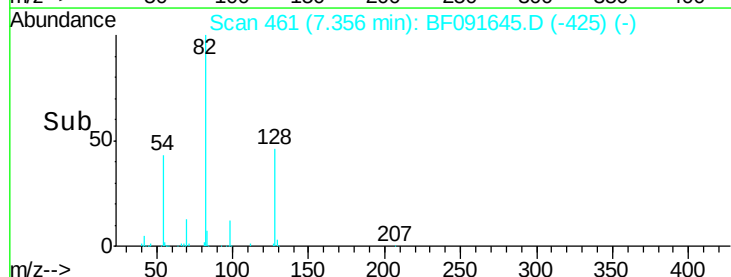
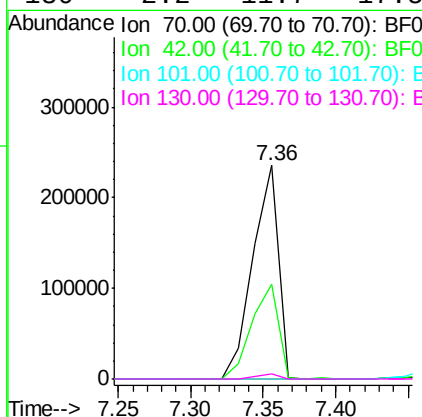
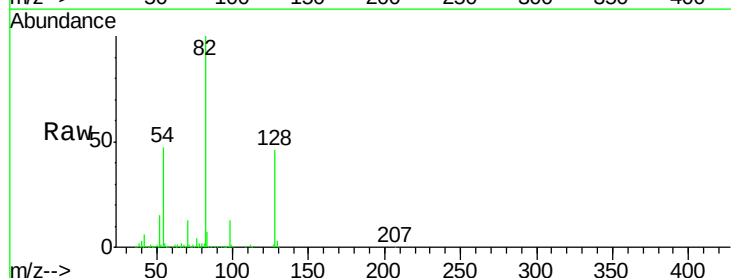
Ion Ratio Lower Upper

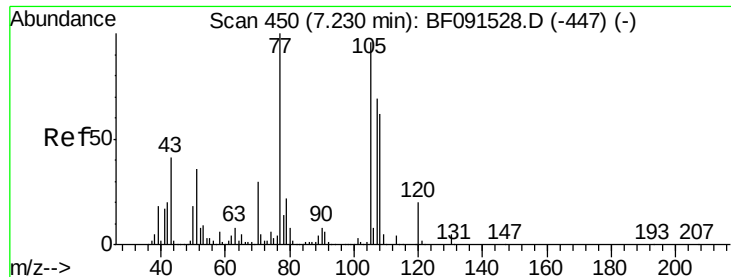
70 100

42 44.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.2 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.21 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

Tgt Ion:107 Resp: 256

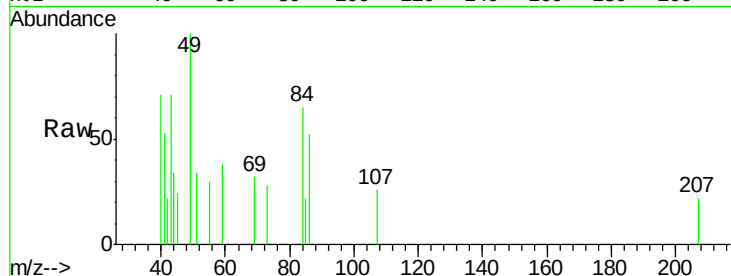
Ion Ratio Lower Upper

107 100

108 0.0 64.6 104.6#

77 0.0 30.9 70.9#

79 0.0 9.3 49.3#

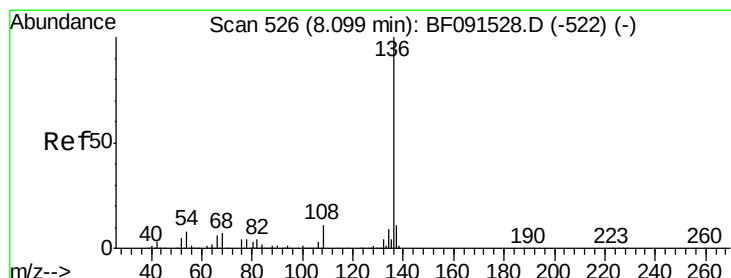
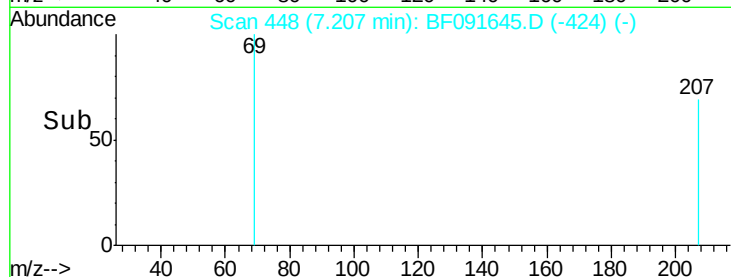
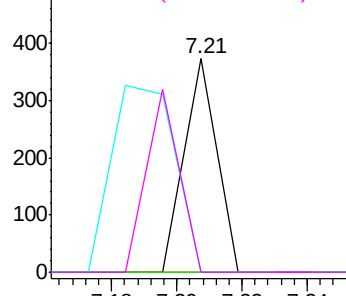


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Tgt Ion:136 Resp: 1102314

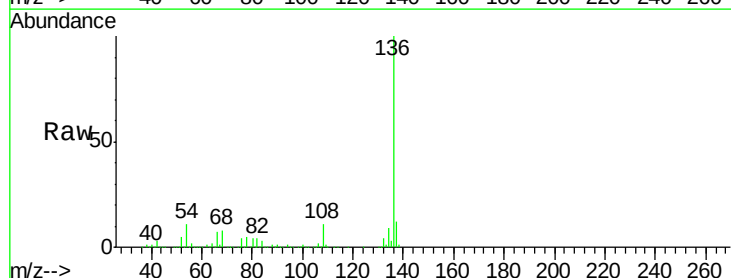
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 10.6 9.1 13.7

68 7.8 5.9 8.9

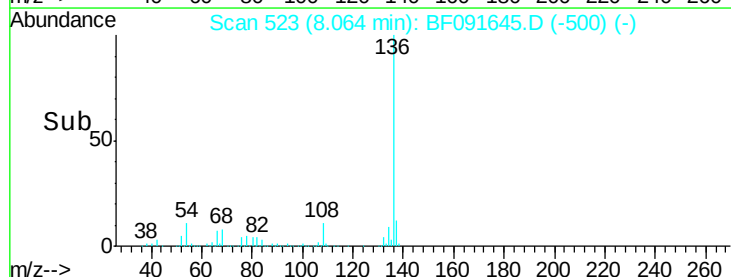
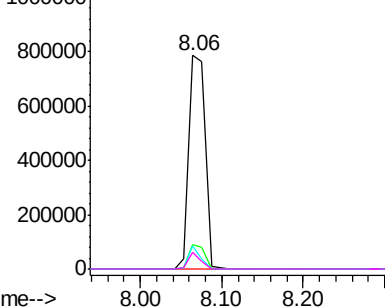


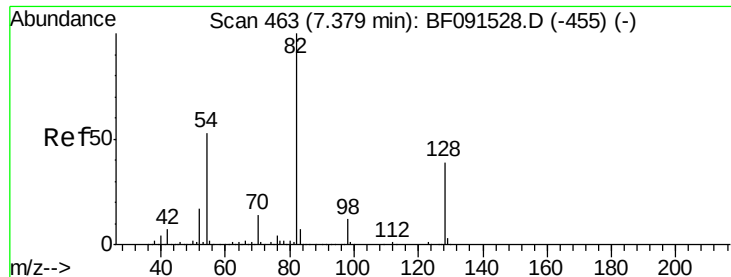
Abundance Ion 136.00 (135.70 to 136.70): E

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

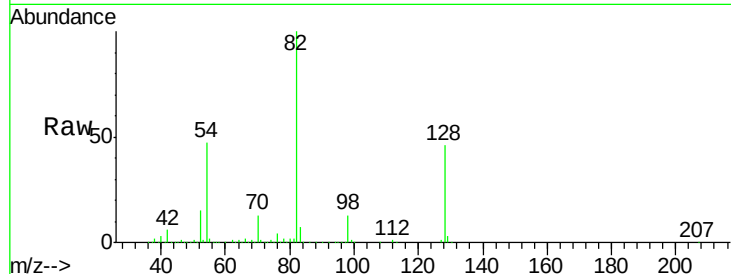




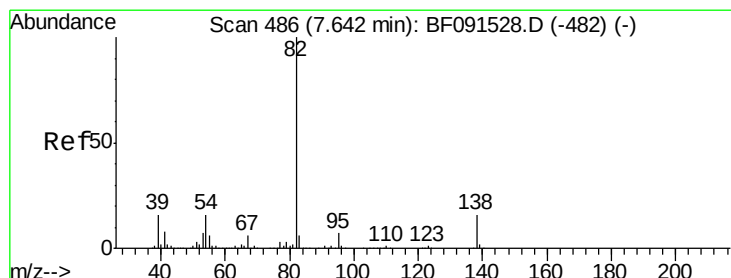
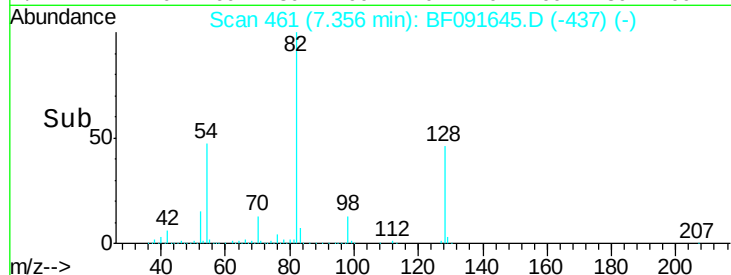
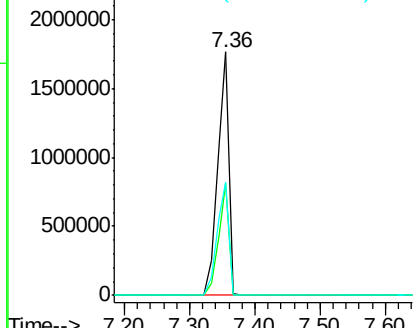
#23
 Nitrobenzene-d5
 Concen: 109.15 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091645.D
 Acq: 15 Dec 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 SS05-0-2IN

Tgt Ion: 82 Resp: 2155742
 Ion Ratio Lower Upper
 82 100
 128 45.9 31.8 47.6
 54 46.7 49.1 73.7#

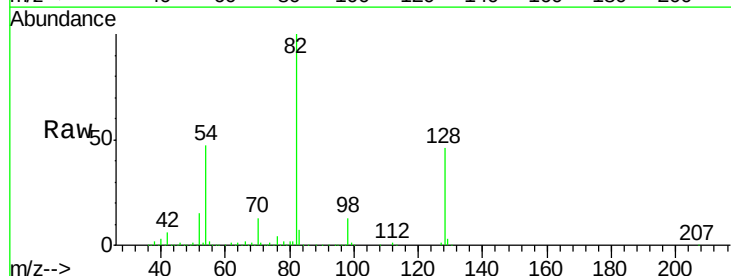


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

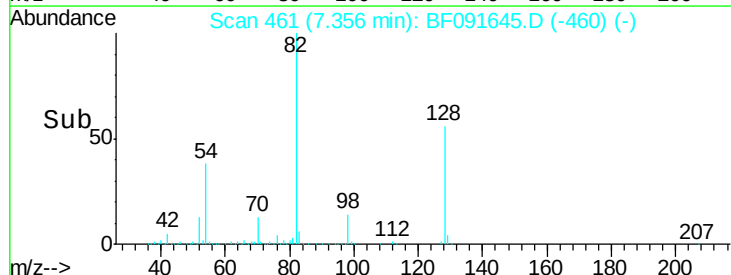
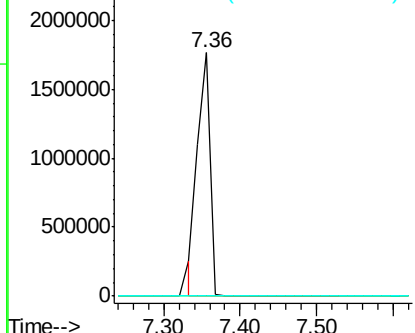


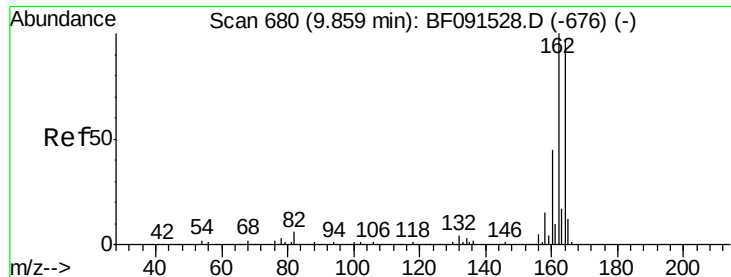
#25
 Isophorone
 Concen: 56.28 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.29 min
 Lab File: BF091645.D
 Acq: 15 Dec 2016 23:00

Tgt Ion: 82 Resp: 1976006
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

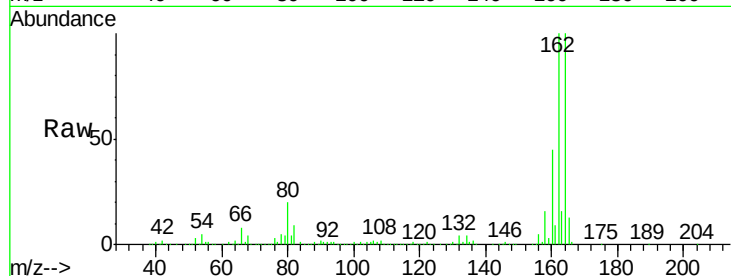
Tgt Ion:164 Resp: 547203

Ion Ratio Lower Upper

164 100

162 99.9 82.6 124.0

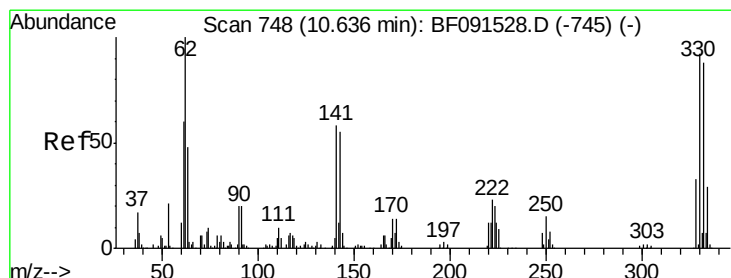
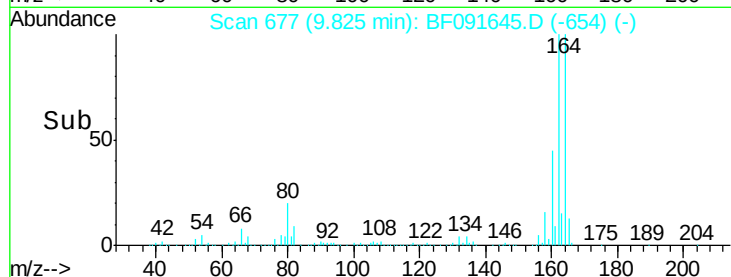
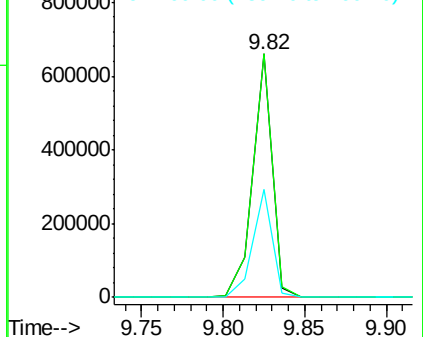
160 44.6 36.7 55.1



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: 107.09 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

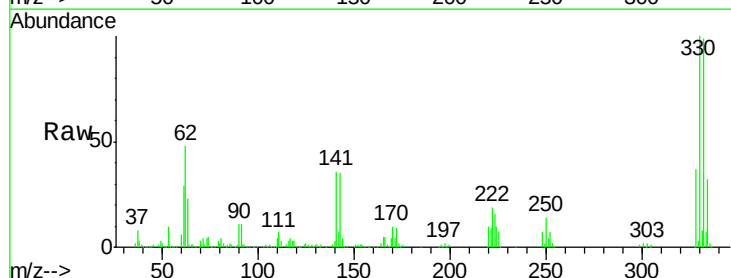
Tgt Ion:330 Resp: 486748

Ion Ratio Lower Upper

330 100

332 98.0 76.2 114.4

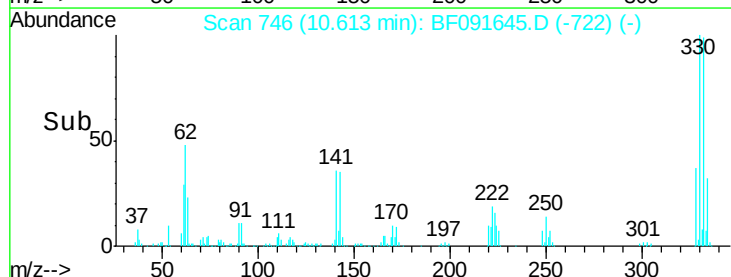
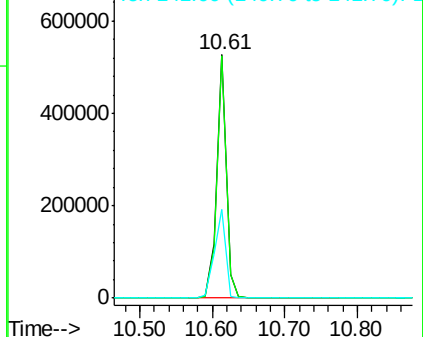
141 42.3 33.6 50.4

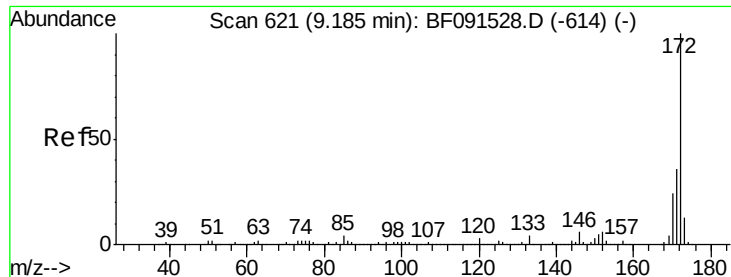


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

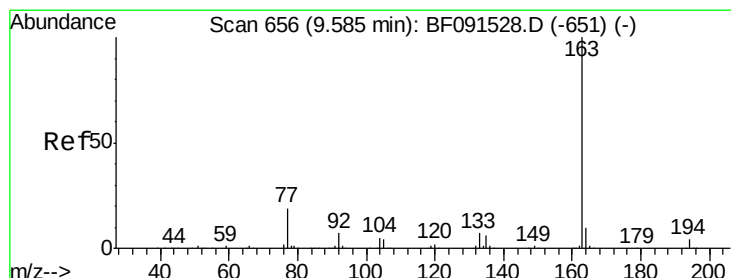
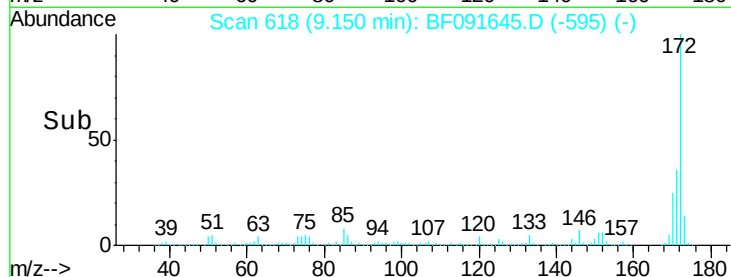
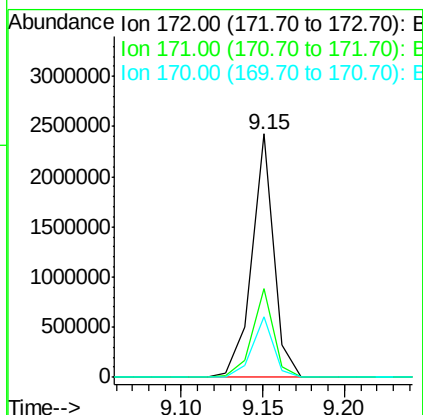
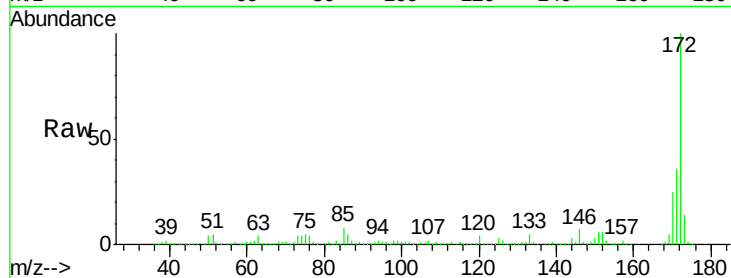




#44
2-Fluorobiphenyl
Concen: 71.47 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.03 min
Lab File: BF091645.D
Acq: 15 Dec 2016 23:00

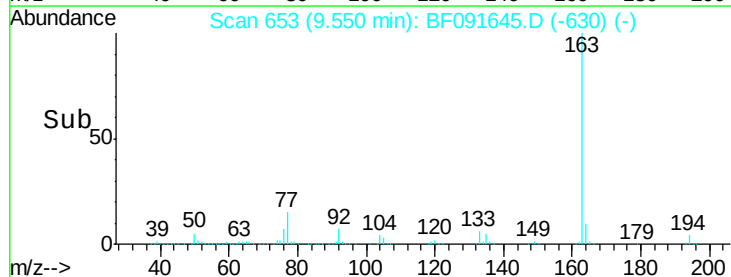
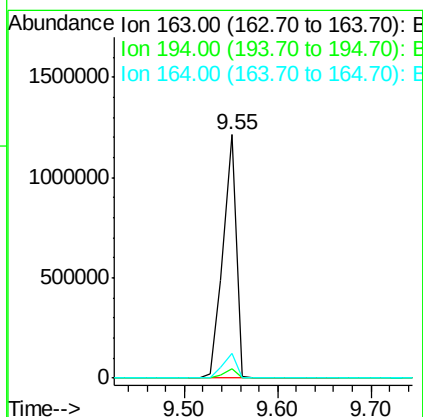
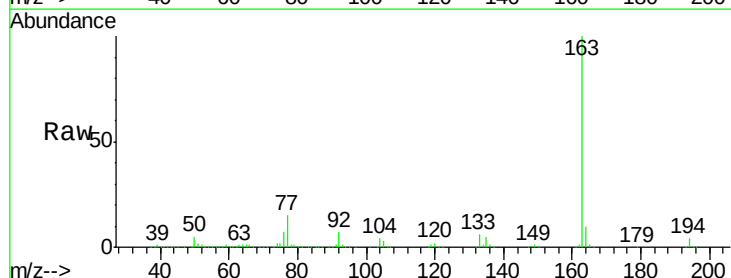
Instrument :
BNA_F
ClientSampleId :
SS05-0-2IN

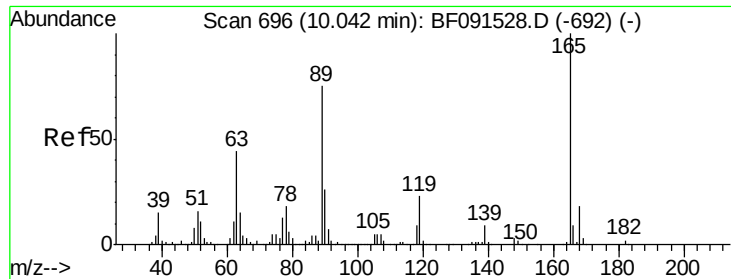
Tgt Ion:172 Resp: 2263498
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 25.0 19.7 29.5



#49
Dimethylphthalate
Concen: 34.48 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091645.D
Acq: 15 Dec 2016 23:00

Tgt Ion:163 Resp: 1194716
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 9.9 7.8 11.8

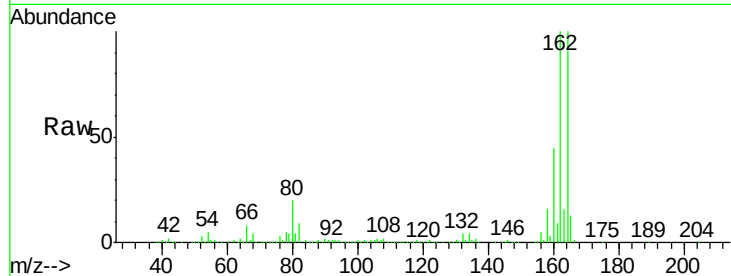




#56
 2,4-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.22 min
 Lab File: BF091645.D
 Acq: 15 Dec 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 SS05-0-2IN

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.0	43.4#
89	0.9	43.1	64.7#
182	0.0	1.9	2.9#

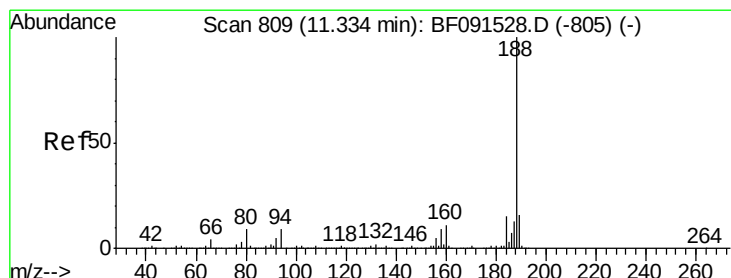
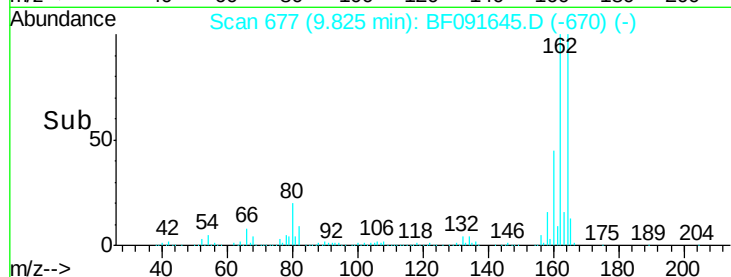
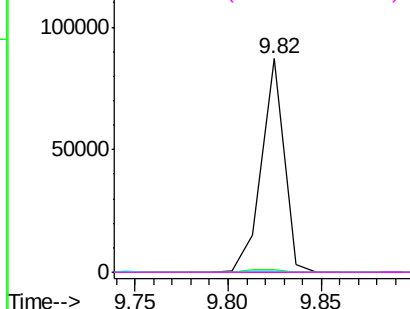


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



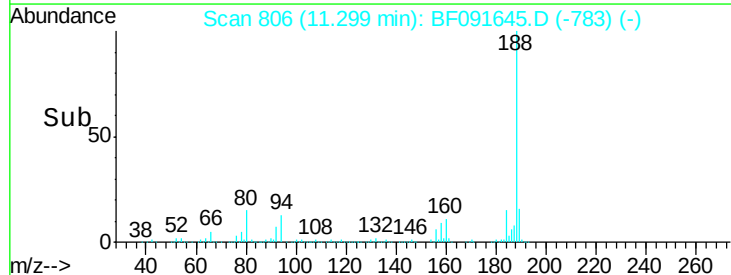
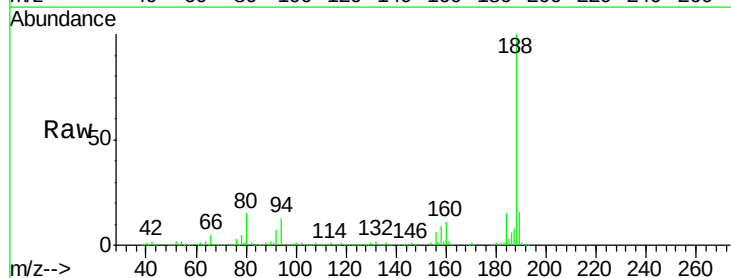
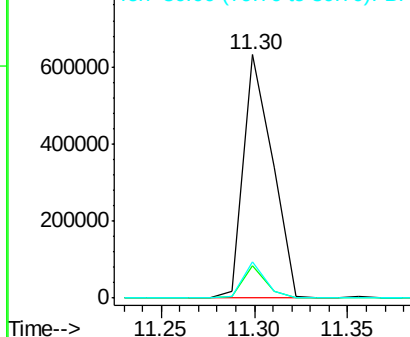
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF091645.D
 Acq: 15 Dec 2016 23:00

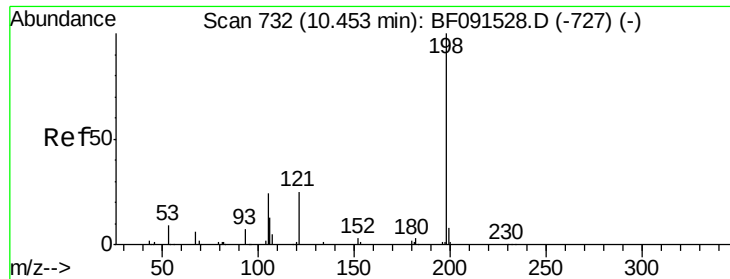
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.5	9.2	13.8
80	15.0	10.5	15.7

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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.25 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

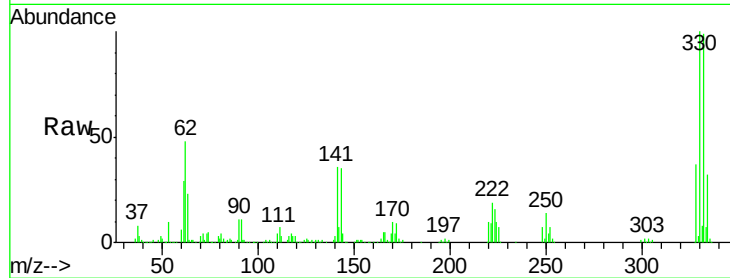
Tgt Ion:198 Resp: 1359

Ion Ratio Lower Upper

198 100

51 138.4 77.1 117.1#

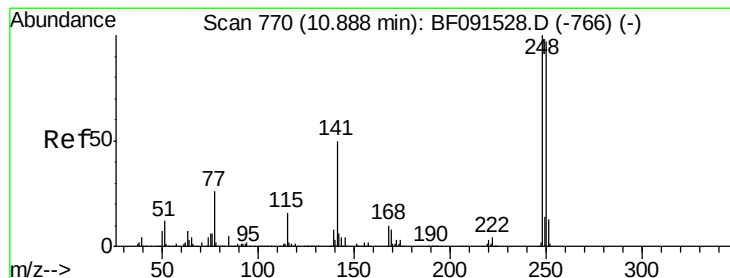
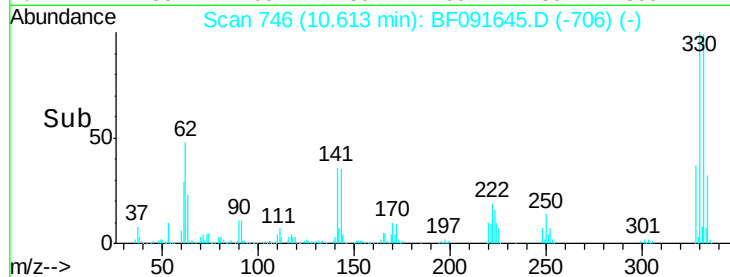
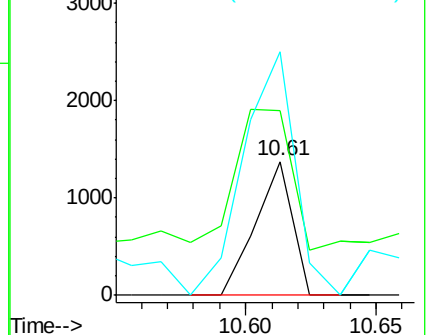
105 182.0 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.94 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

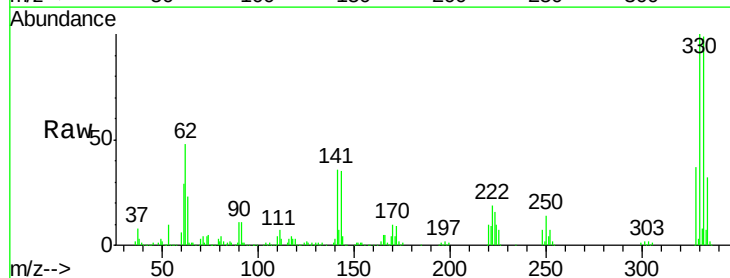
Tgt Ion:248 Resp: 34626

Ion Ratio Lower Upper

248 100

250 197.1 78.2 117.4#

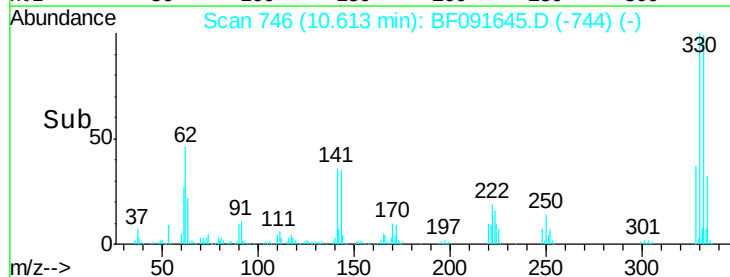
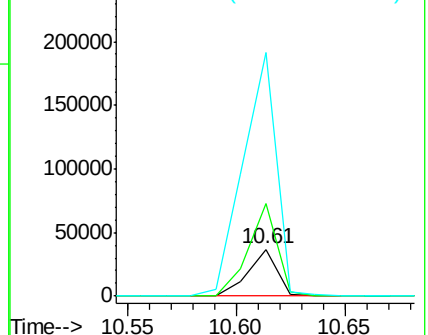
141 517.4 71.9 107.9#

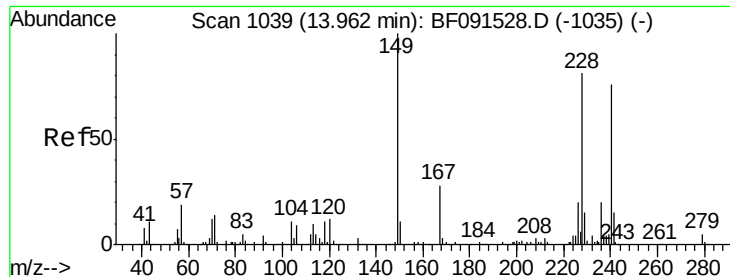


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SS05-0-2IN

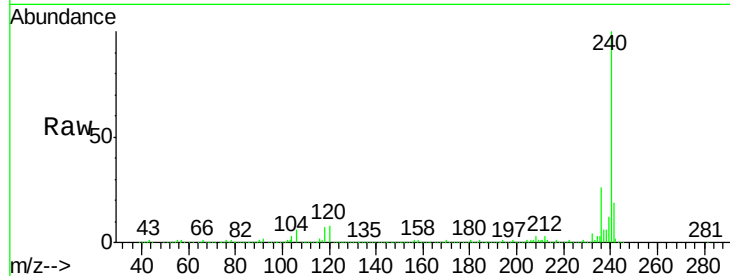
Tgt Ion:240 Resp: 612134

Ion Ratio Lower Upper

240 100

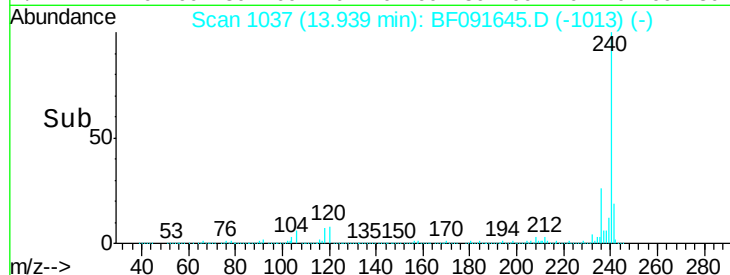
120 8.2 12.1 18.1#

236 25.8 21.0 31.6

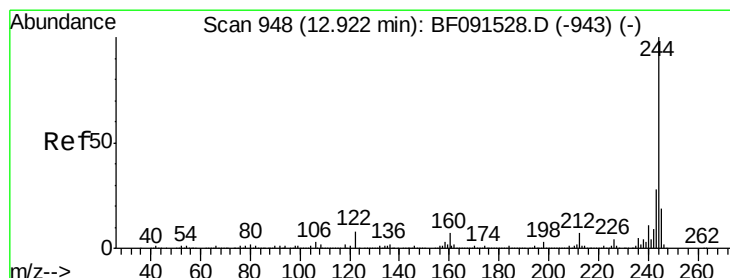


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.94



Time-->



#78

Terphenyl-d14

Concen: 59.44 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091645.D

Acq: 15 Dec 2016 23:00

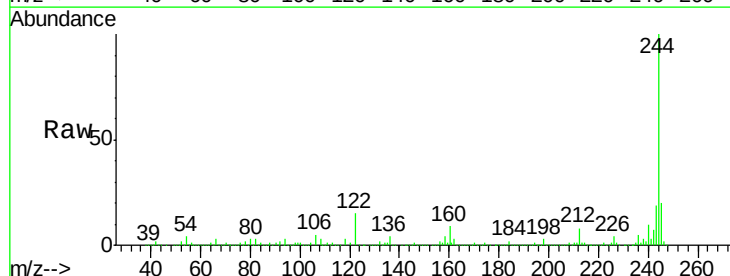
Tgt Ion:244 Resp: 1603539

Ion Ratio Lower Upper

244 100

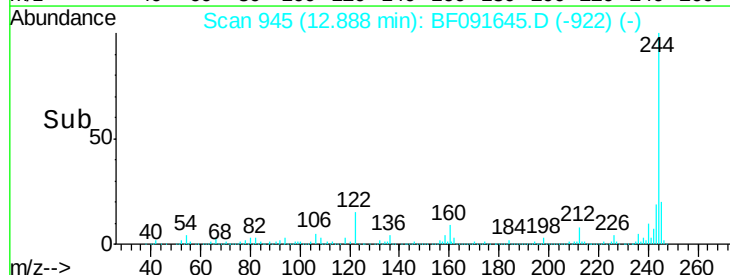
212 7.5 6.5 9.7

122 14.9 9.5 14.3#

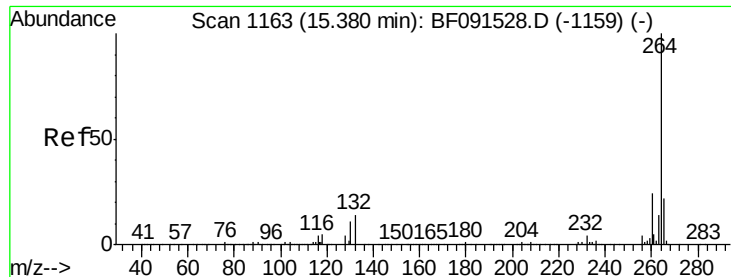


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.89



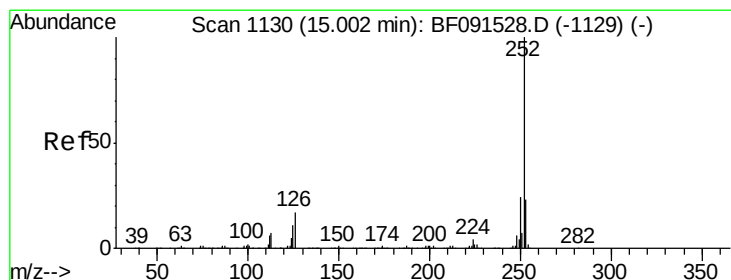
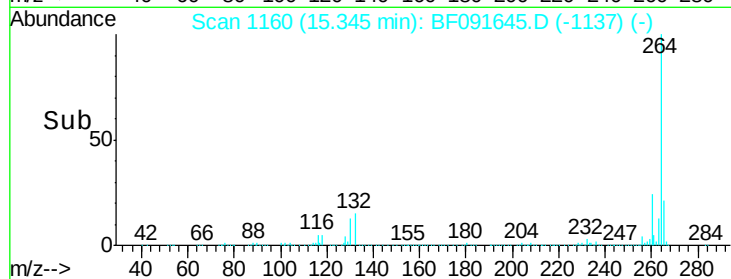
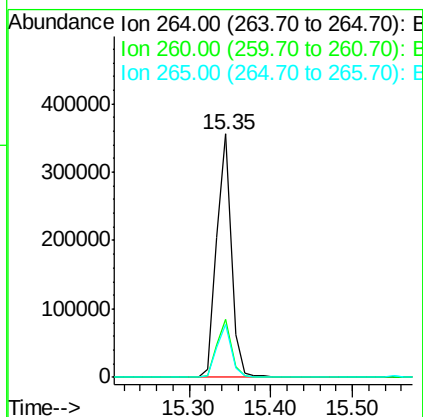
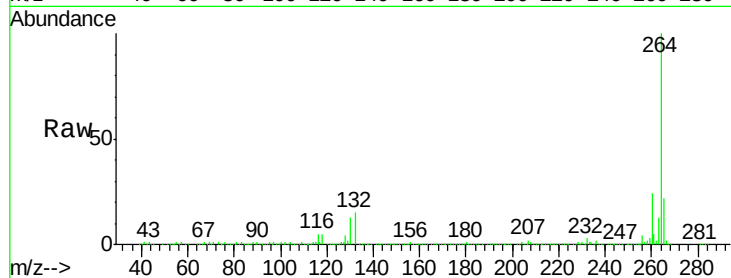
Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF091645.D
Acq: 15 Dec 2016 23:00

Instrument :
BNA_F
ClientSampleId :
SS05-0-2IN

Tgt Ion:264 Resp: 447720
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.6 17.0 25.6



#88
Benzo(k)fluoranthene
Concen: 2.08 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.06 min
Lab File: BF091645.D
Acq: 15 Dec 2016 23:00

Tgt Ion:252 Resp: 48827
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 15.7 9.6 14.4#

