

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092301.D
 Acq On : 16 Jan 2017 22:49
 Operator : UM/SJ
 Sample : I1162-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Quant Time: Jan 17 00:47:20 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

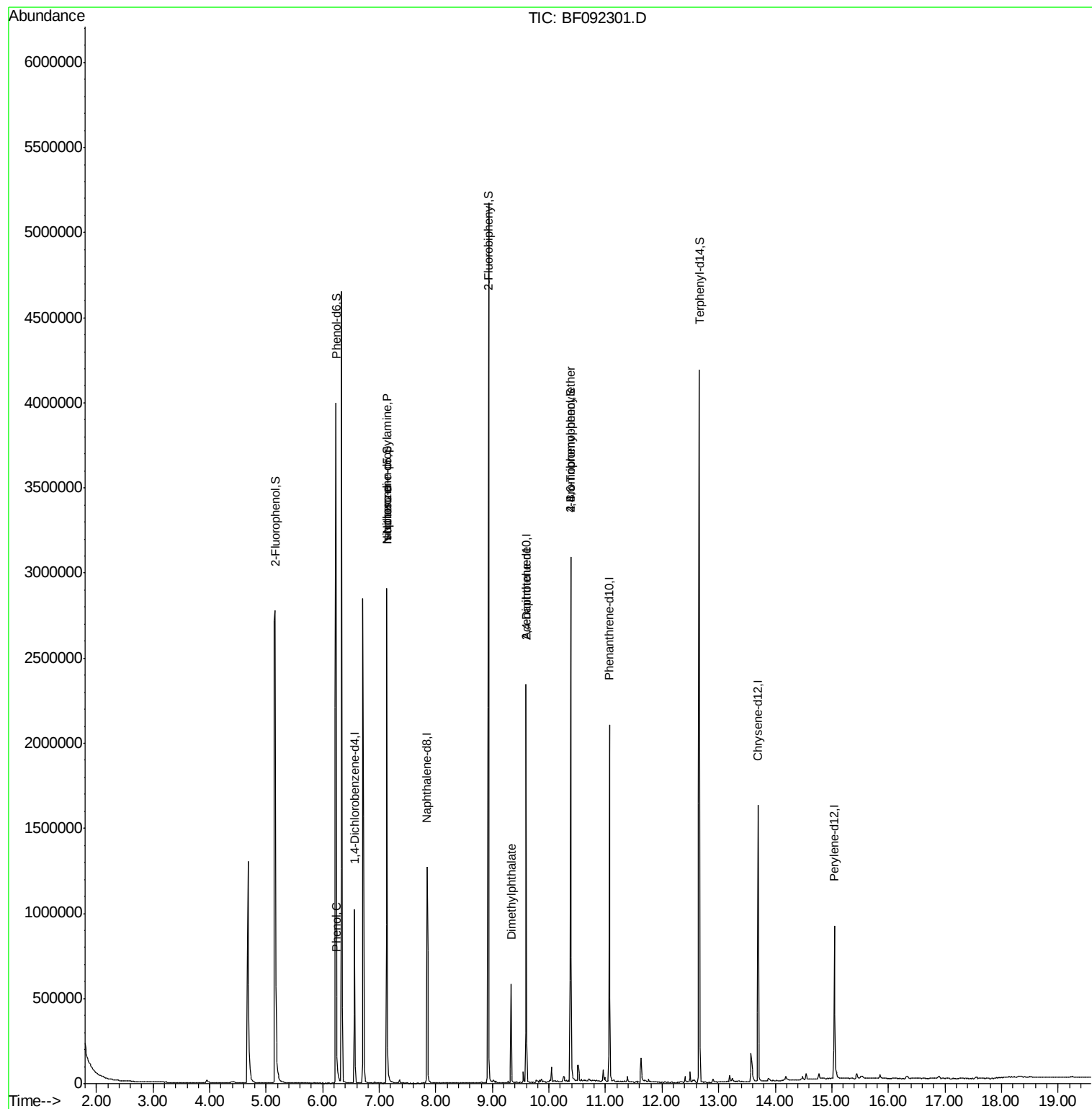
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	179724	20.00	ng	-0.08
21) Naphthalene-d8	7.84	136	754255	20.00	ng	-0.09
38) Acenaphthene-d10	9.59	164	466347	20.00	ng	-0.09
63) Phenanthrene-d10	11.07	188	762677	20.00	ng	-0.09
75) Chrysene-d12	13.70	240	579996	20.00	ng	-0.09
86) Perylene-d12	15.05	264	384779	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1381080	128.31	ng	-0.08
7) Phenol-d6	6.23	99	1712849	130.34	ng	-0.08
23) Nitrobenzene-d5	7.14	82	1028683	75.84	ng	-0.08
41) 2,4,6-Tribromophenol	10.38	330	384047	99.51	ng	-0.09
44) 2-Fluorobiphenyl	8.93	172	1795075	77.77	ng	-0.08
78) Terphenyl-d14	12.66	244	1374830	57.49	ng	-0.09
Target Compounds						
10) Phenol	6.24	94	81143	5.42	ng	# 66
19) n-Nitroso-di-n-propylamine	7.14	70	136496	15.61	ng	# 75
25) Isophorone	7.14	82	1024533	40.94	ng	# 65
49) Dimethylphthalate	9.33	163	237111	7.95	ng	99
56) 2,4-Dinitrotoluene	9.59	165	61223	7.47	ng	# 19
66) 4-Bromophenyl-phenylether	10.38	248	24170	3.05	ng	# 1
71) Anthracene	11.09	178	1032	Below Cal		# 59
73) Di-n-butylphthalate	11.65	149	2676	Below Cal		# 88
74) Fluoranthene	12.28	202	927	Below Cal		61
76) Benzidine	12.66	184	18474	Below Cal		# 96

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092301.D

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SB-46-COMP

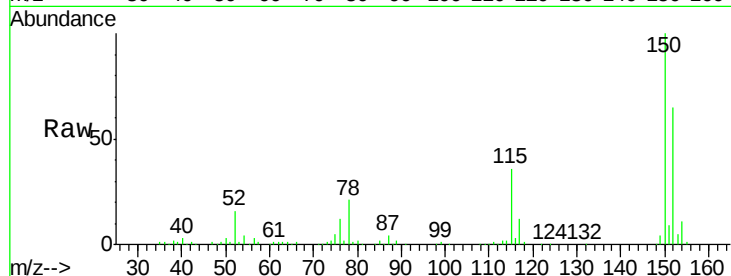
Tgt Ion:152 Resp: 179724

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

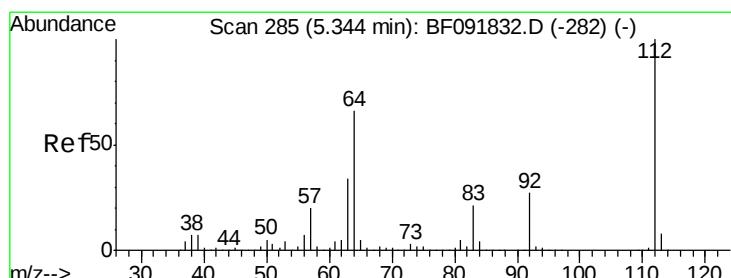
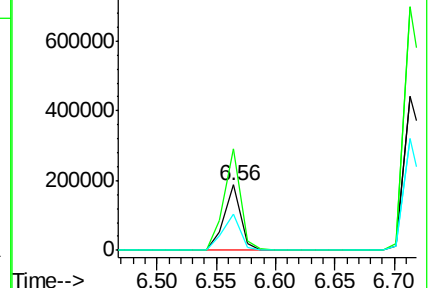
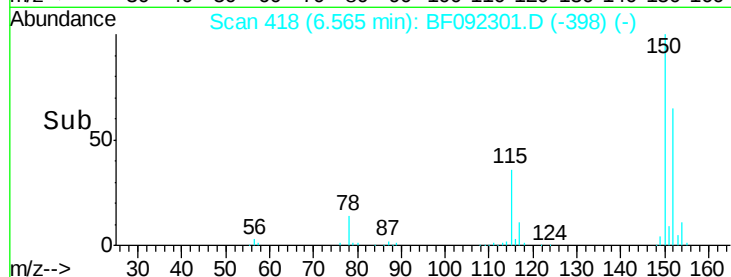
115 55.9 46.0 69.0



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: 128.31 ng

RT: 5.16 min Scan# 295

Delta R.T. -0.08 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

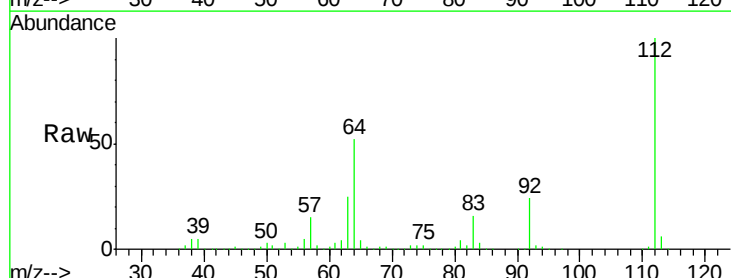
Tgt Ion:112 Resp: 1381080

Ion Ratio Lower Upper

112 100

64 52.2 46.1 69.1

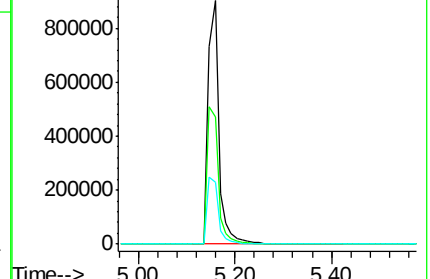
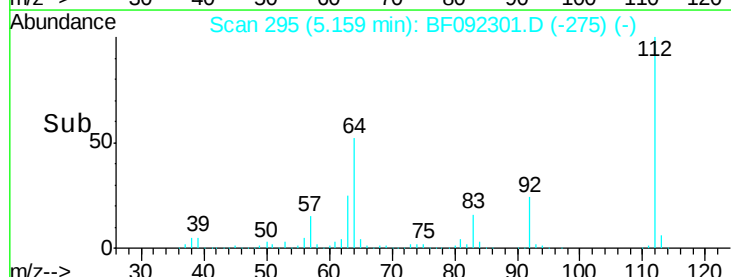
63 25.5 23.8 35.6

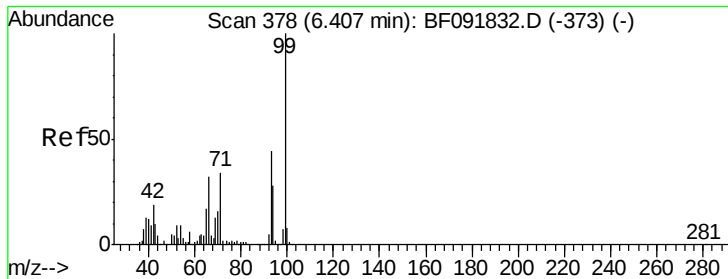


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.34 ng

RT: 6.23 min Scan# 389

Delta R.T. -0.08 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

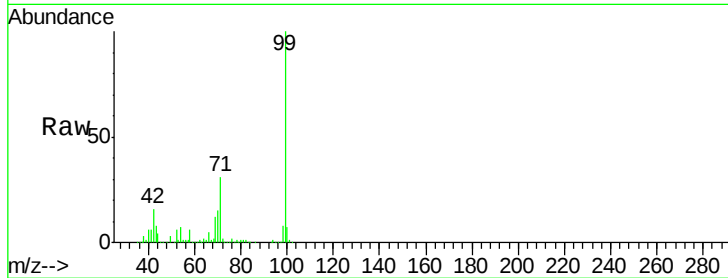
Tgt Ion: 99 Resp: 1712849

Ion Ratio Lower Upper

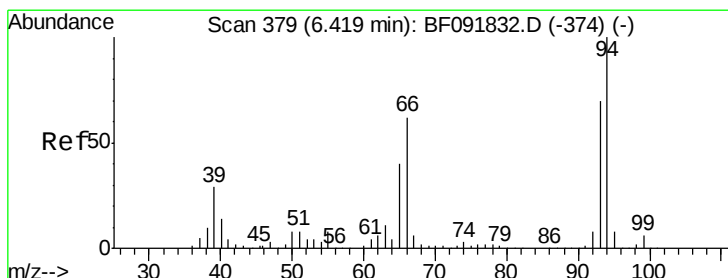
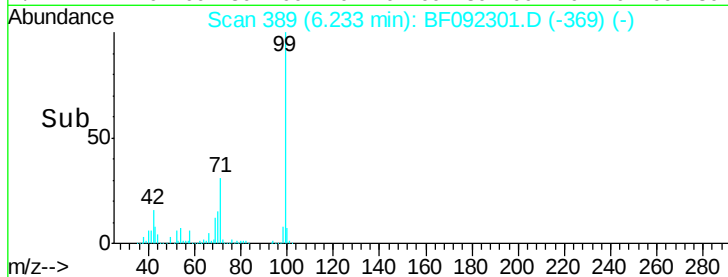
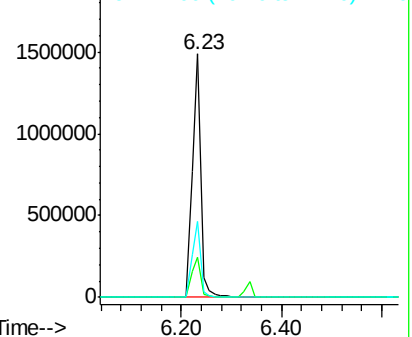
99 100

42 16.2 15.6 23.4

71 31.2 27.5 41.3



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



#10

Phenol

Concen: 5.42 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.08 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

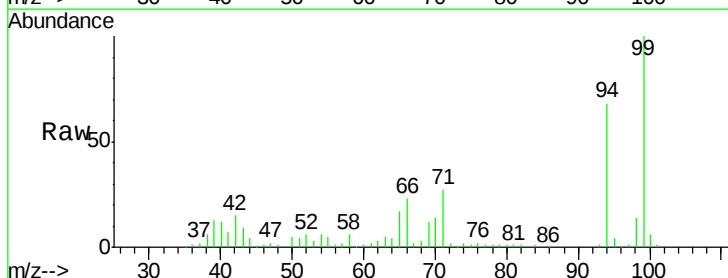
Tgt Ion: 94 Resp: 81143

Ion Ratio Lower Upper

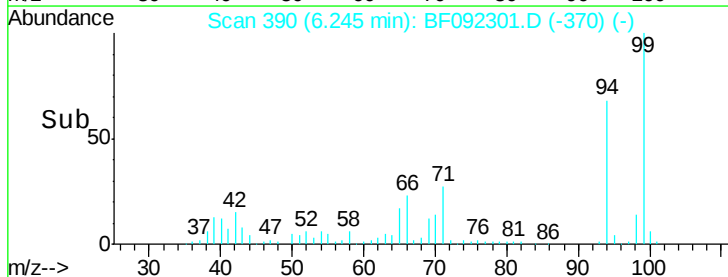
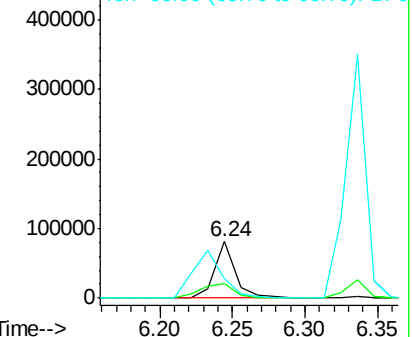
94 100

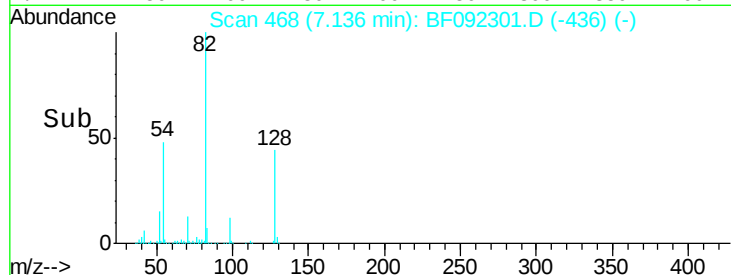
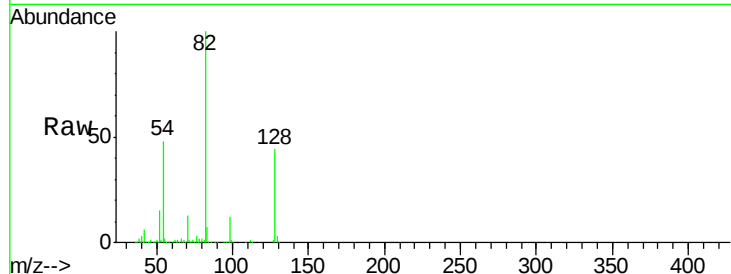
65 24.6 21.4 61.4

66 34.2 44.0 84.0#



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

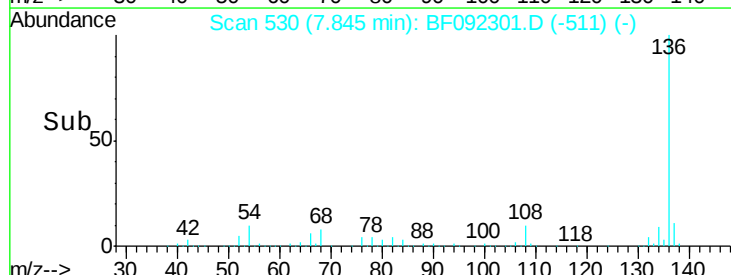
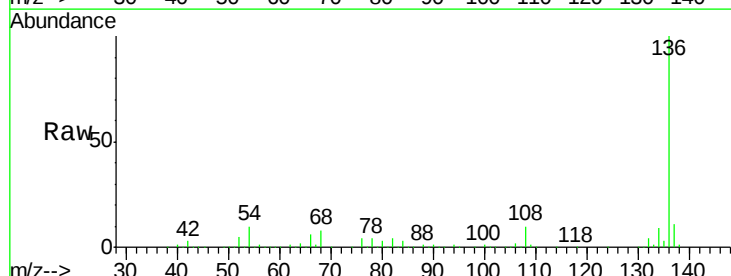
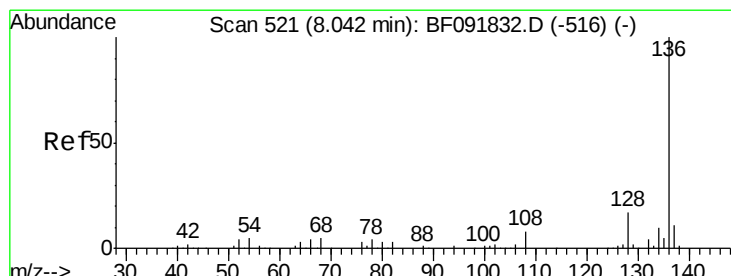
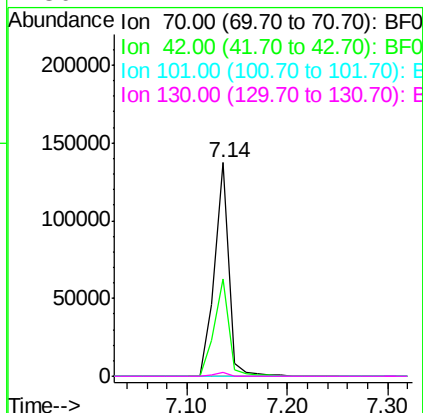




#19
n-Nitroso-di-n-propylamine
Concen: 15.61 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092301.D
Acq: 16 Jan 2017 22:49

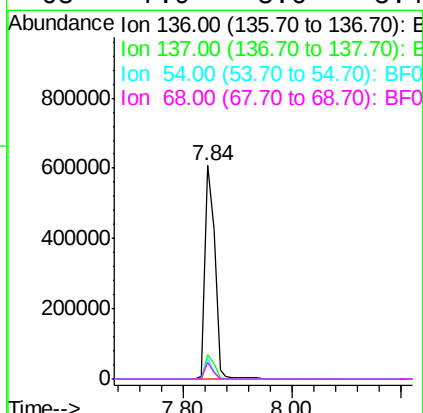
Instrument :
BNA_F
ClientSampleId :
SB-46-COMP

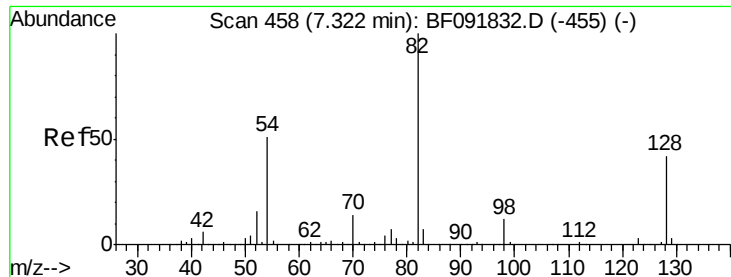
Tgt Ion:	70	Resp:	136496
Ion	Ratio	Lower	Upper
70	100		
42	45.3	49.4	74.0#
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. -0.09 min
Lab File: BF092301.D
Acq: 16 Jan 2017 22:49

Tgt Ion:	136	Resp:	754255
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	9.8	4.5	6.7#
68	7.9	3.6	5.4#

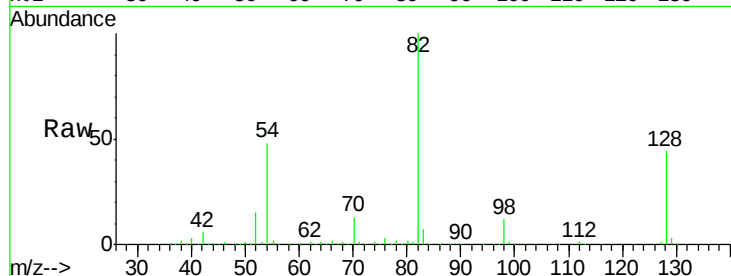




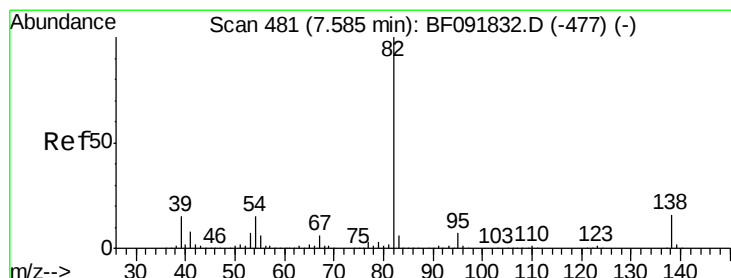
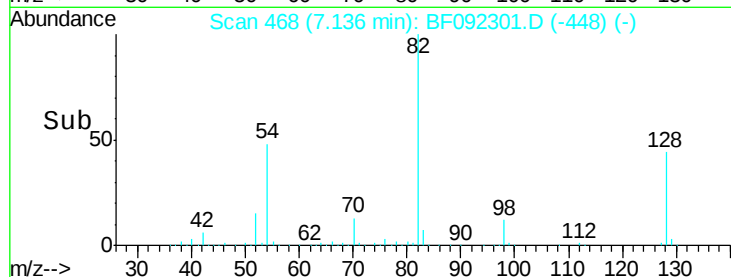
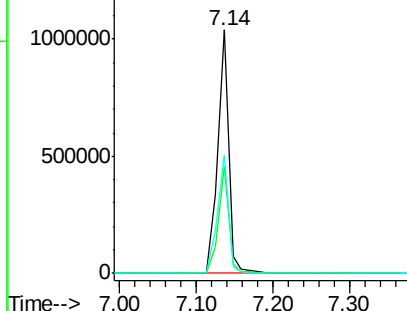
#23
 Nitrobenzene-d5
 Concen: 75.84 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion: 82 Resp: 1028683
 Ion Ratio Lower Upper
 82 100
 128 43.9 34.6 52.0
 54 48.4 39.5 59.3

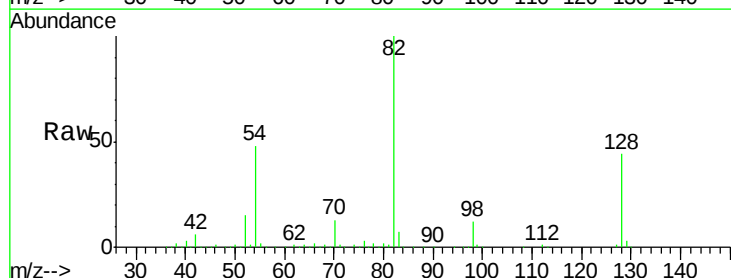


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

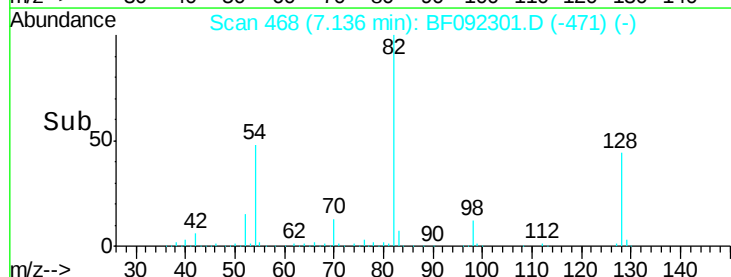
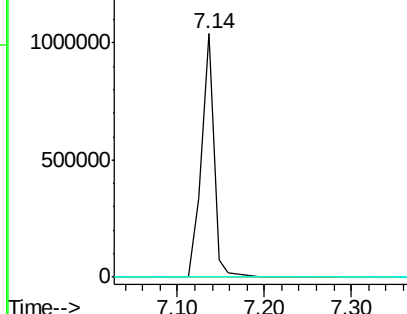


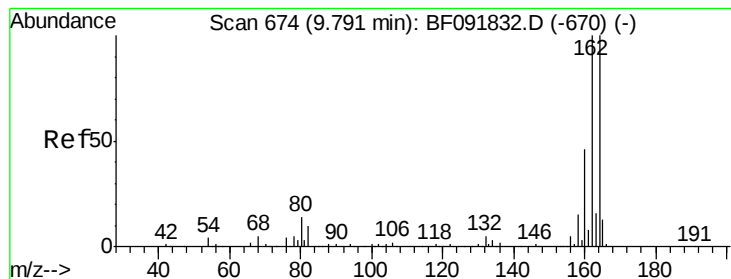
#25
 Isophorone
 Concen: 40.94 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.34 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

Tgt Ion: 82 Resp: 1024533
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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: 9.59 min Scan# 683

Delta R.T. -0.09 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

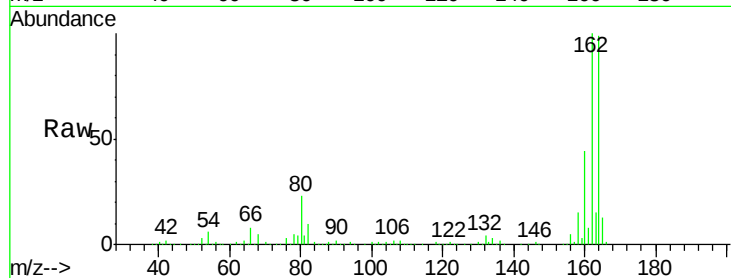
Tgt Ion:164 Resp: 466347

Ion Ratio Lower Upper

164 100

162 101.5 80.2 120.2

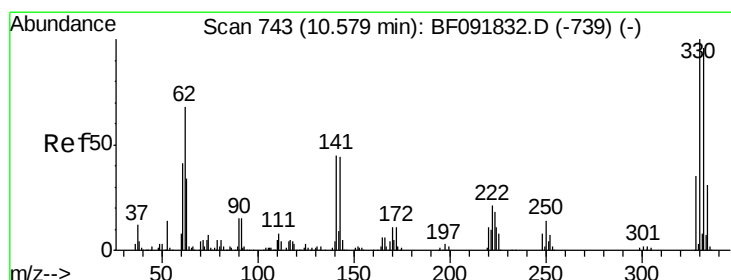
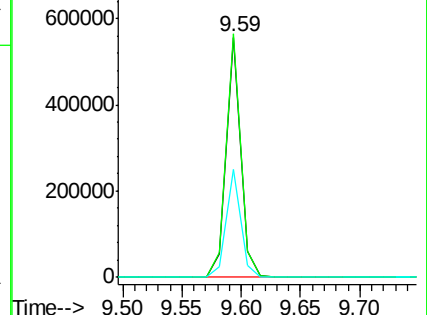
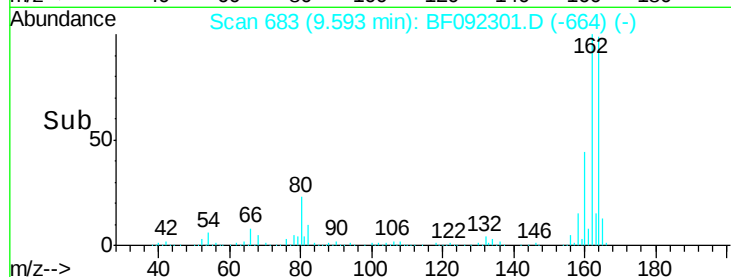
160 45.1 36.9 55.3



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: 99.51 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.09 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

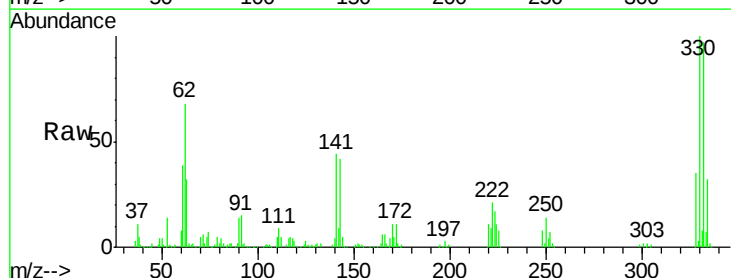
Tgt Ion:330 Resp: 384047

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

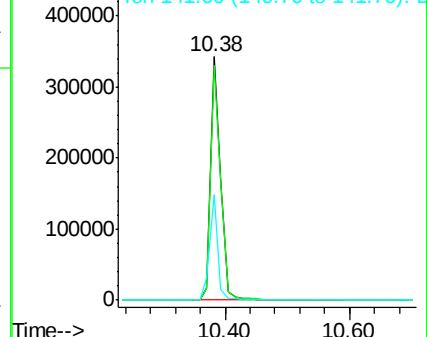
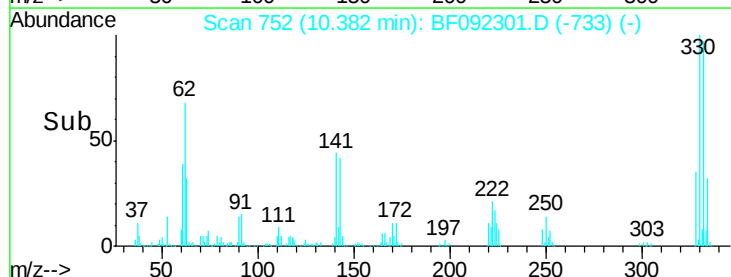
141 36.4 34.1 51.1

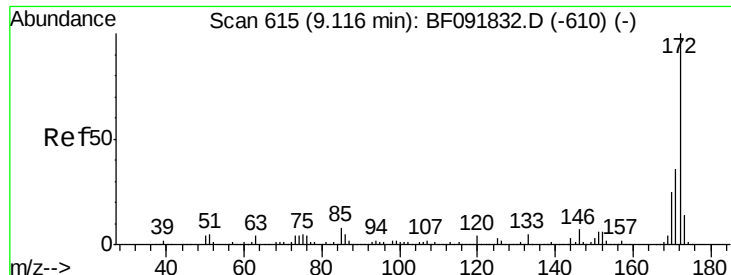


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

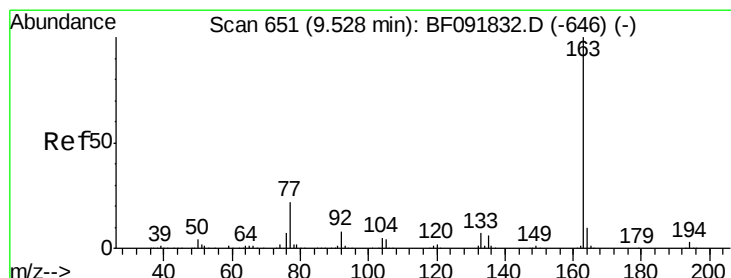
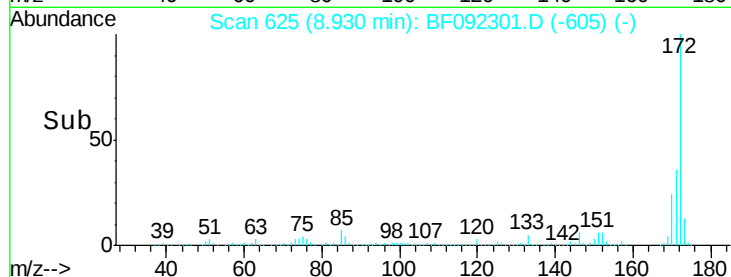
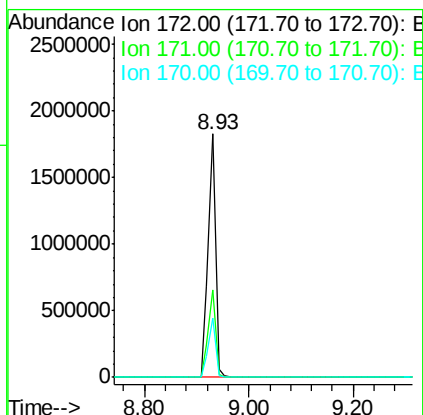
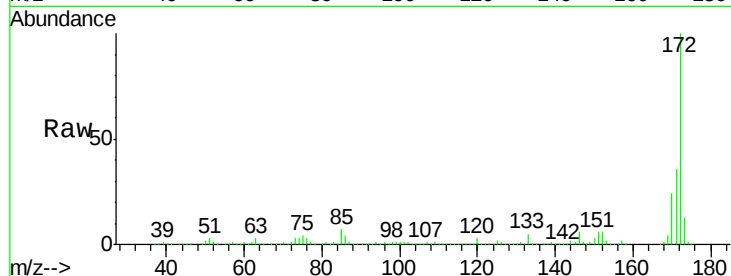




#44
 2-Fluorobiphenyl
 Concen: 77.77 ng
 RT: 8.93 min Scan# 625
 Delta R.T. -0.08 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

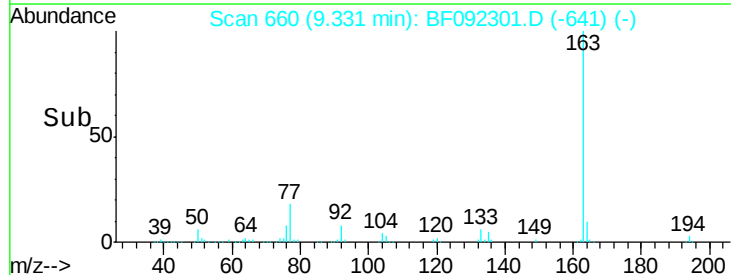
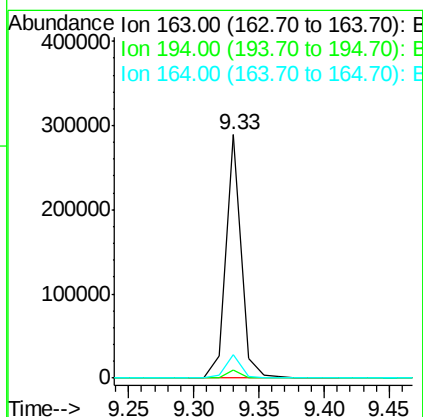
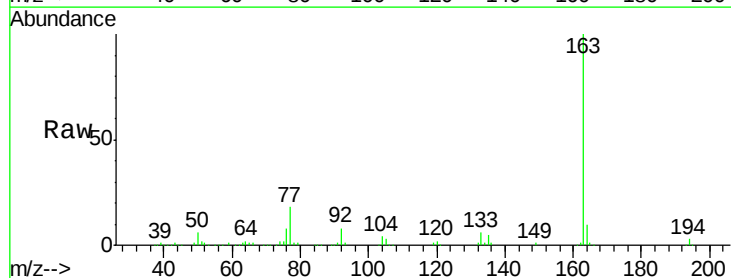
Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion:172 Resp: 1795075
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.4 20.2 30.4



#49
 Dimethylphthalate
 Concen: 7.95 ng
 RT: 9.33 min Scan# 660
 Delta R.T. -0.09 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

Tgt Ion:163 Resp: 237111
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 9.9 8.0 12.0

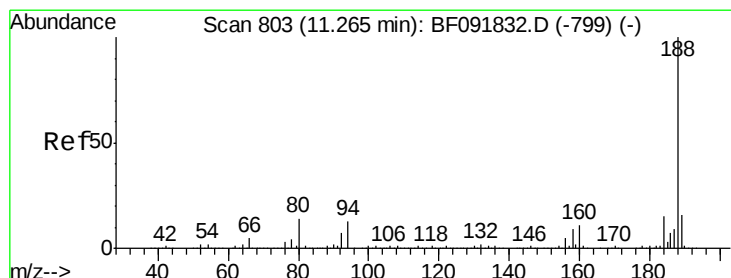
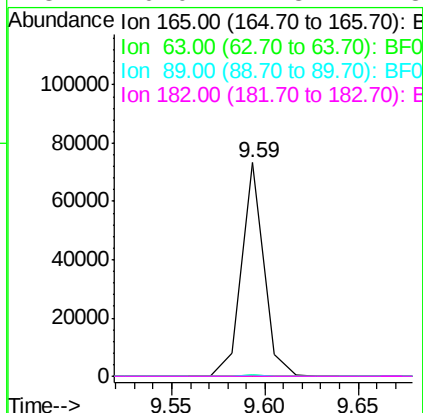
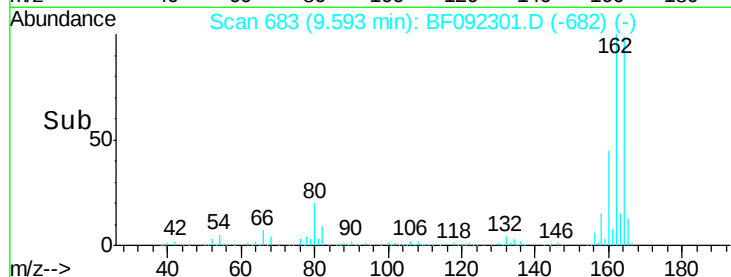
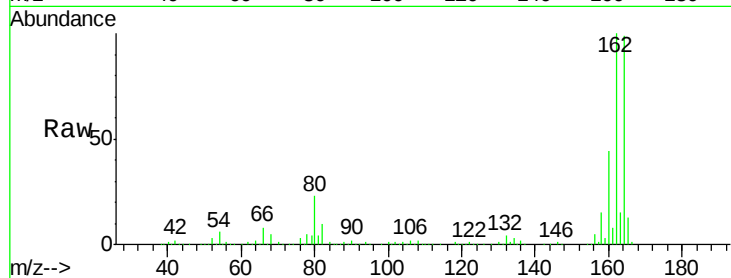




#56
 2,4-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.59 min Scan# 683
 Delta R.T. -0.29 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

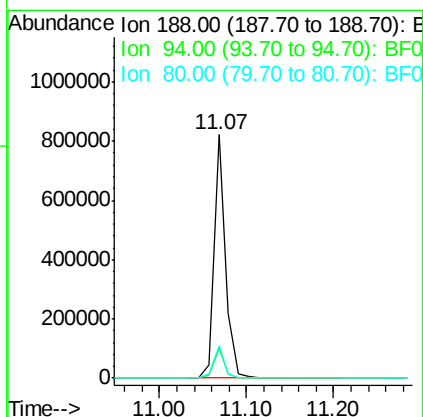
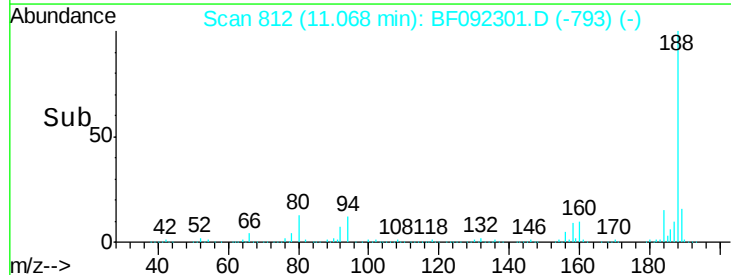
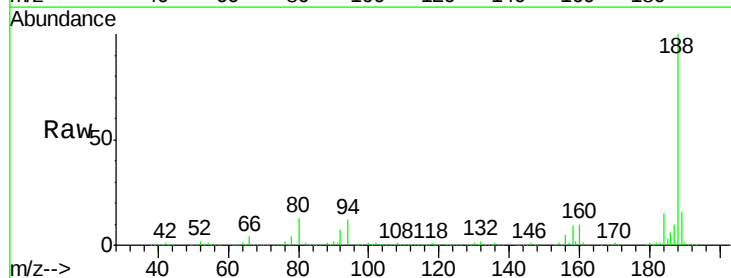
Instrument :
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 SB-46-COMP

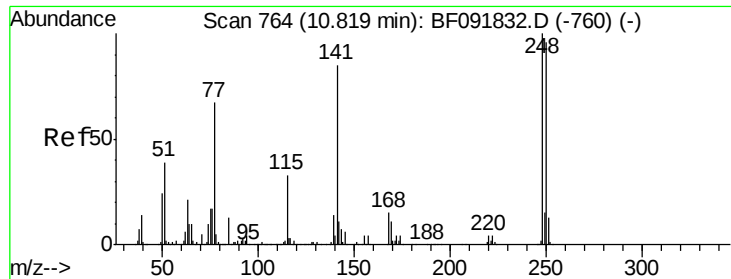
Tgt Ion:	165	Resp:	61223
Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 812
 Delta R.T. -0.09 min
 Lab File: BF092301.D
 Acq: 16 Jan 2017 22:49

Tgt Ion:	188	Resp:	762677
Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.0	15.0
80	13.3	11.2	16.8





#66

4-Bromophenyl-phenylether

Concen: 3.05 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.33 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

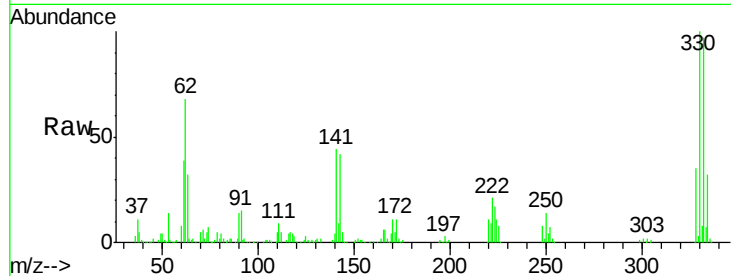
Tgt Ion:248 Resp: 24170

Ion Ratio Lower Upper

248 100

250 187.4 76.9 115.3#

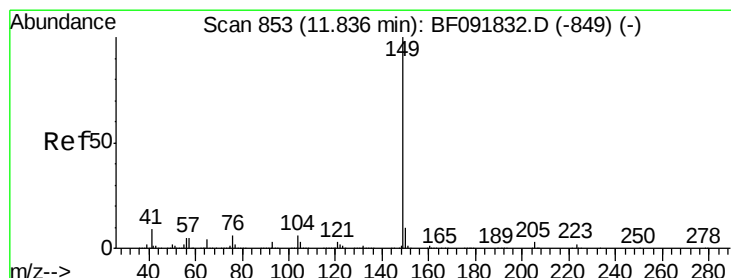
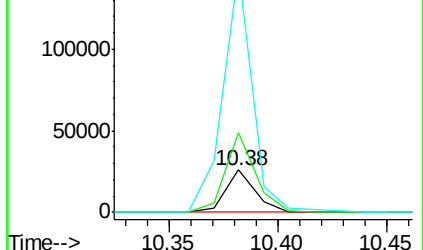
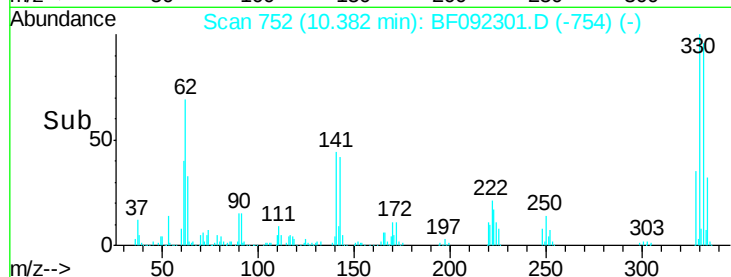
141 571.7 68.2 102.4#



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: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

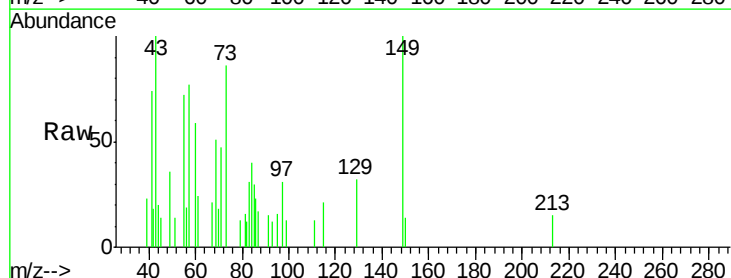
Tgt Ion:149 Resp: 2676

Ion Ratio Lower Upper

149 100

150 13.5 8.1 12.1#

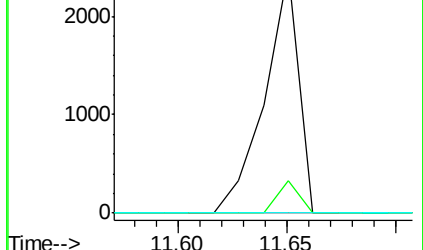
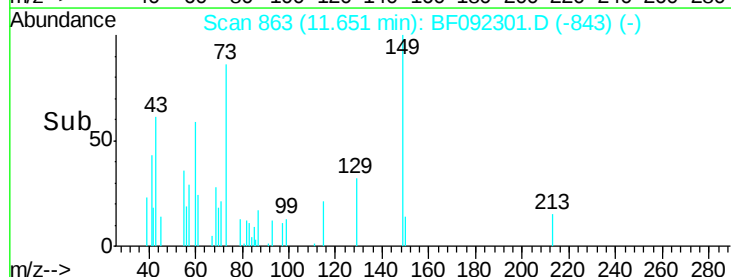
104 0.0 4.6 7.0#

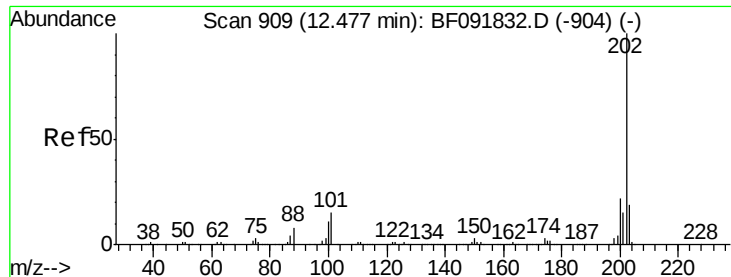


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.28 min Scan# 918

Delta R.T. -0.09 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

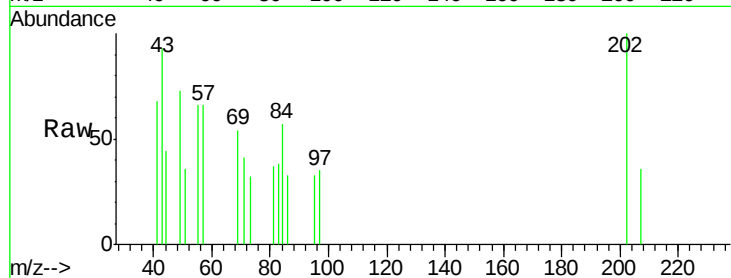
Tgt Ion: 202 Resp: 927

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

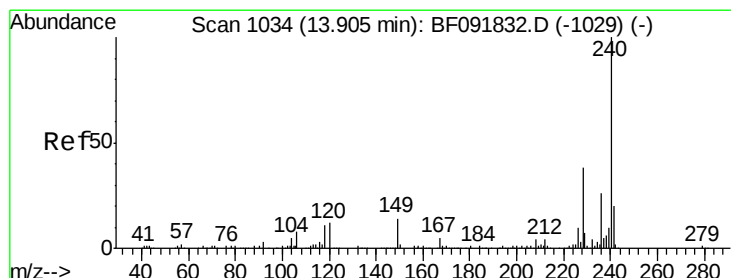
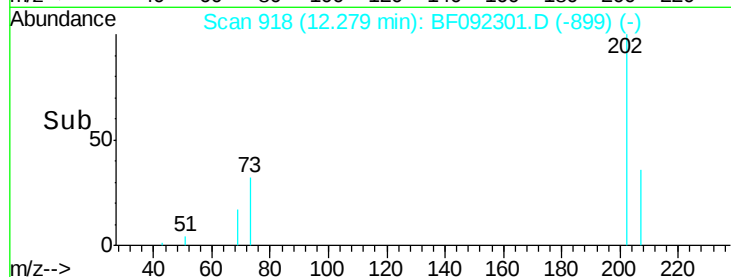
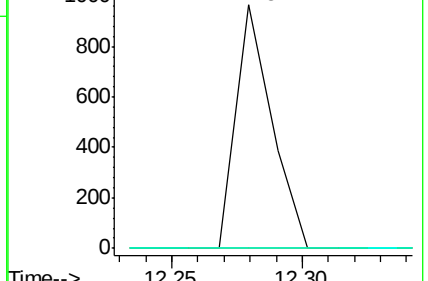
203 0.0 0.0 38.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

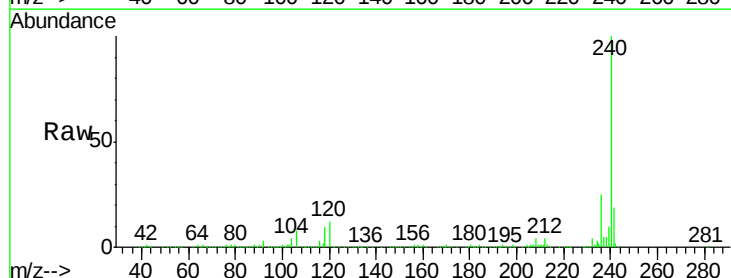
Tgt Ion: 240 Resp: 579996

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

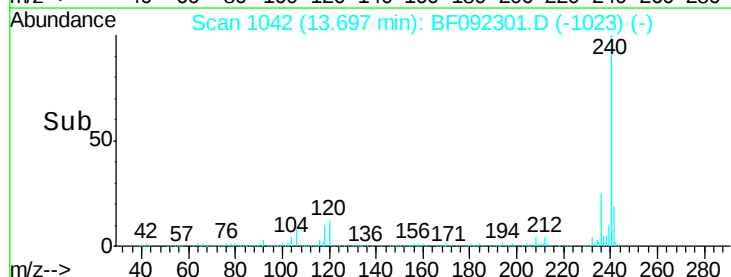
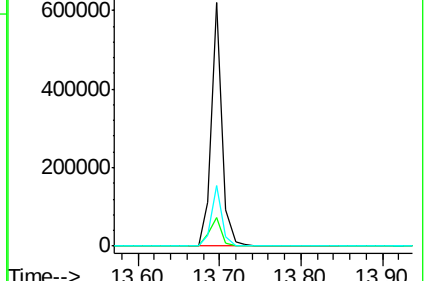
236 25.1 20.9 31.3

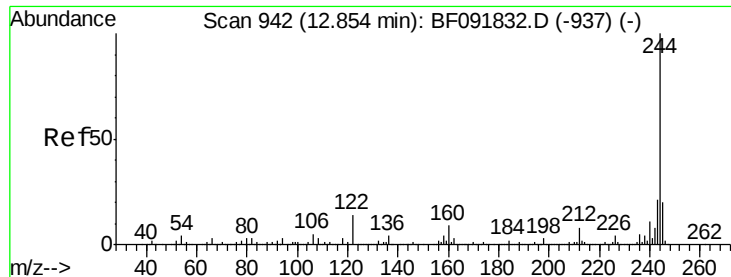


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 57.49 ng

RT: 12.66 min Scan# 951

Delta R.T. -0.09 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

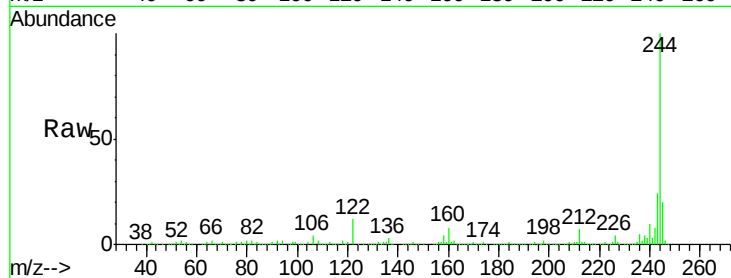
Tgt Ion:244 Resp: 1374830

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

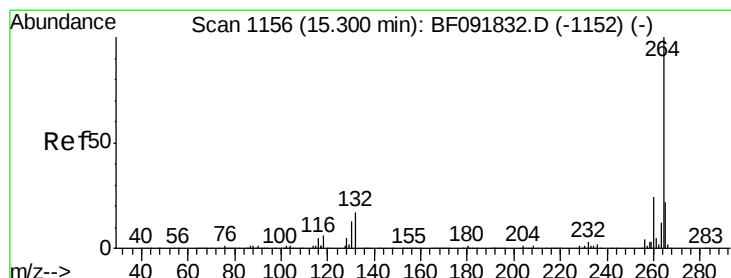
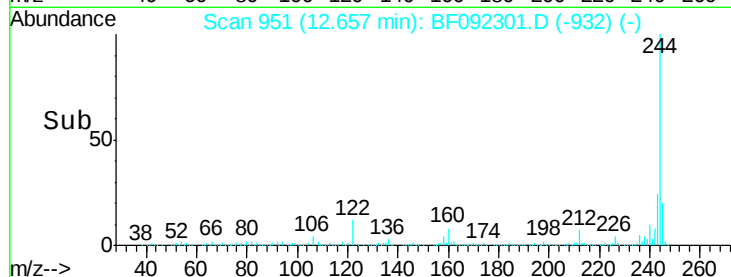
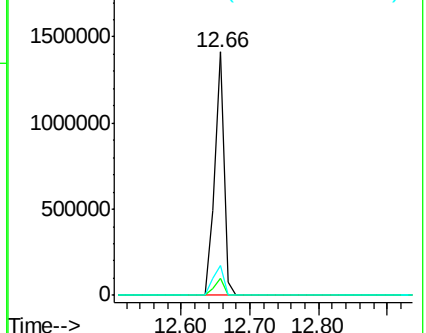
122 12.1 11.4 17.2



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: 15.05 min Scan# 1160

Delta R.T. -0.10 min

Lab File: BF092301.D

Acq: 16 Jan 2017 22:49

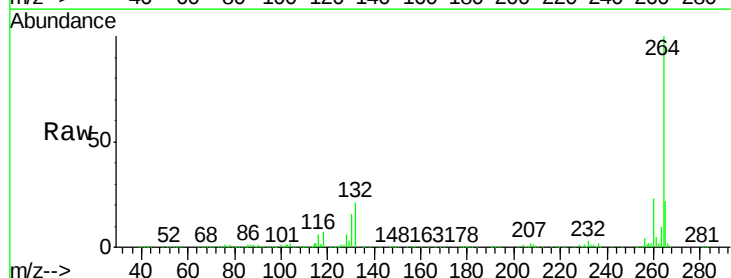
Tgt Ion:264 Resp: 384779

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.5 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

