

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092303.D
 Acq On : 16 Jan 2017 23:46
 Operator : UM/SJ
 Sample : I1162-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47-COMP

Quant Time: Jan 17 00:47:47 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

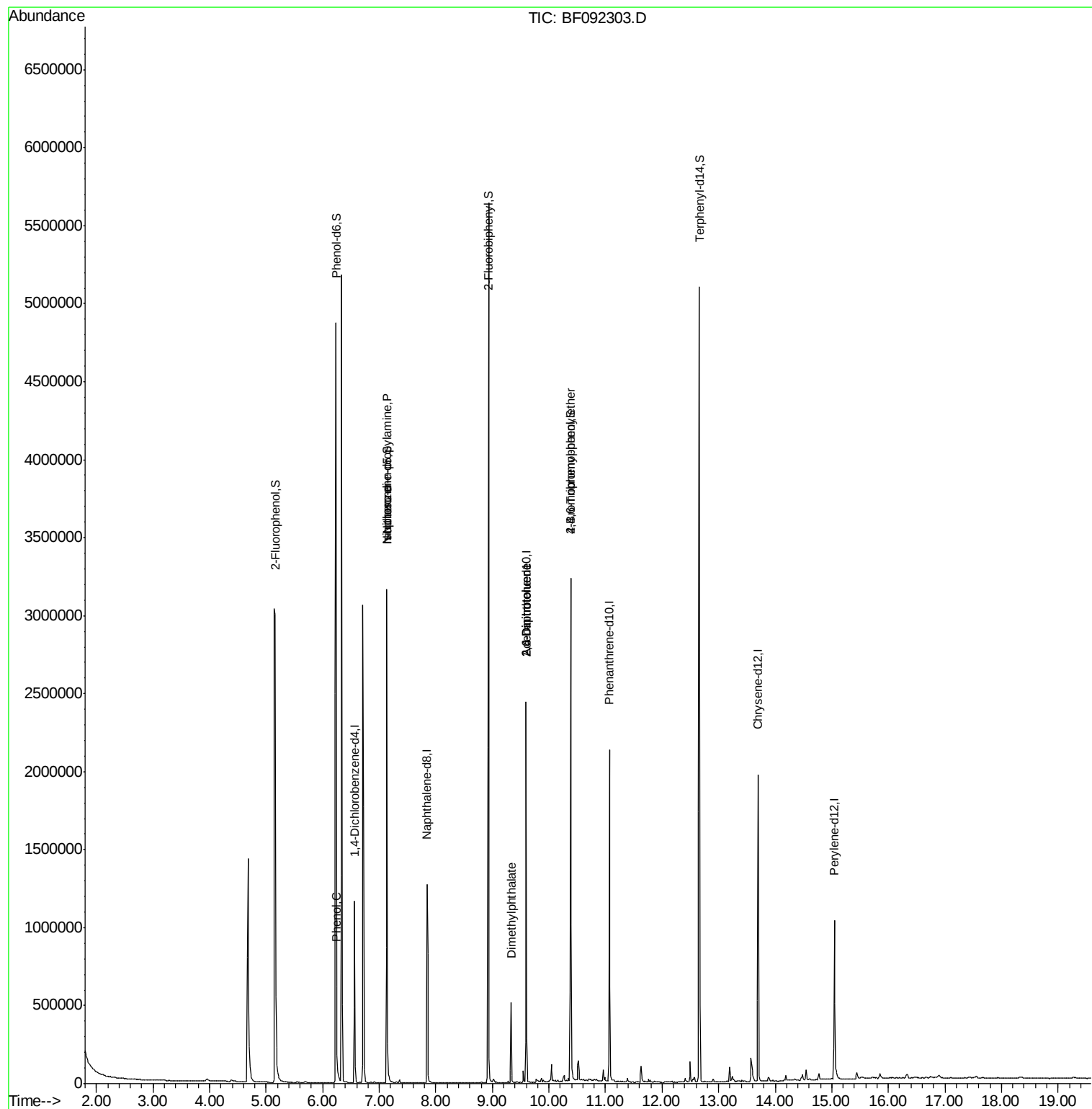
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	207428	20.00	ng	-0.08
21) Naphthalene-d8	7.84	136	780109	20.00	ng	-0.09
38) Acenaphthene-d10	9.59	164	490130	20.00	ng	-0.09
63) Phenanthrene-d10	11.07	188	788554	20.00	ng	-0.09
75) Chrysene-d12	13.70	240	693668	20.00	ng	-0.09
86) Perylene-d12	15.05	264	452559	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1467518	118.13	ng	-0.08
7) Phenol-d6	6.23	99	2030865	133.90	ng	-0.08
23) Nitrobenzene-d5	7.14	82	1095878	78.11	ng	-0.08
41) 2,4,6-Tribromophenol	10.38	330	431864	106.47	ng	-0.09
44) 2-Fluorobiphenyl	8.93	172	1871899	77.05	ng	-0.08
78) Terphenyl-d14	12.66	244	1654979	57.86	ng	-0.09
Target Compounds						
10) Phenol	6.24	94	103427	5.98	ng	# 66
19) n-Nitroso-di-n-propylamine	7.14	70	143443	14.22	ng	# 76
25) Isophorone	7.14	82	1095904	42.34	ng	# 65
49) Dimethylphthalate	9.33	163	211430	6.74	ng	# 99
50) 2,6-Dinitrotoluene	9.59	165	63106	9.20	ng	# 31
56) 2,4-Dinitrotoluene	9.59	165	63110	7.33	ng	# 20
66) 4-Bromophenyl-phenylether	10.38	248	25573	3.12	ng	# 1
71) Anthracene	11.09	178	1734	Below Cal		# 64
73) Di-n-butylphthalate	11.65	149	3076	Below Cal		# 93
74) Fluoranthene	12.28	202	2100	Below Cal		# 89
76) Benzydine	12.66	184	22405	Below Cal		# 97

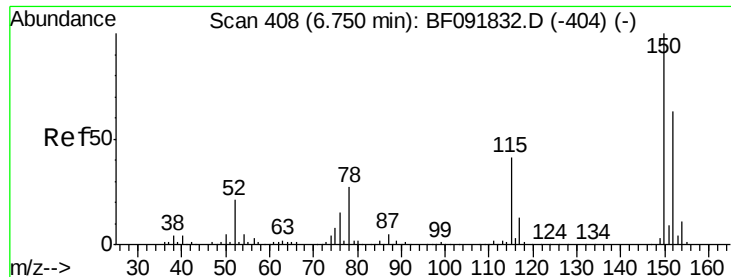
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

ClientSampleId :

SB-47-COMP

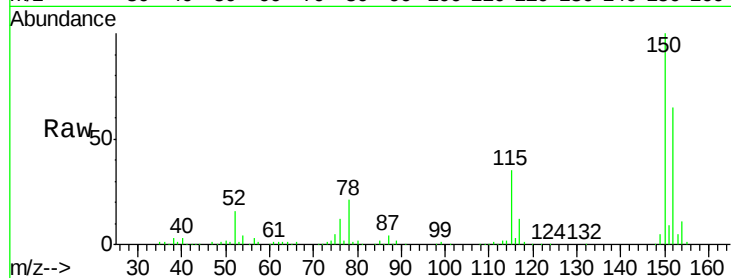
Tgt Ion:152 Resp: 207428

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

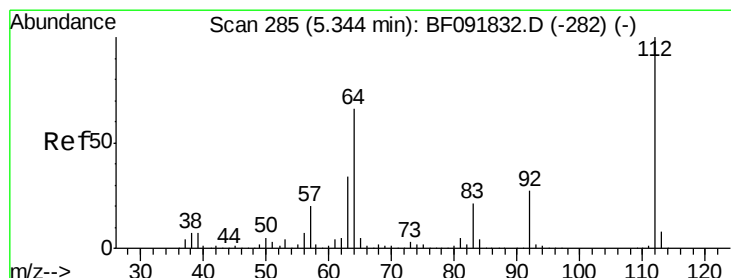
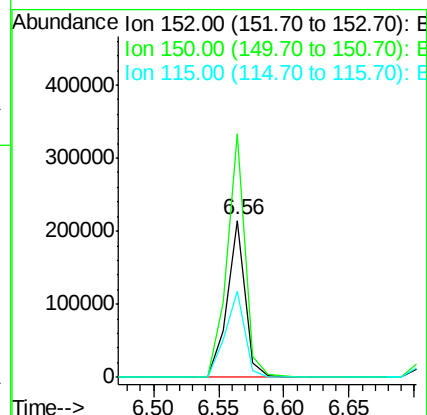
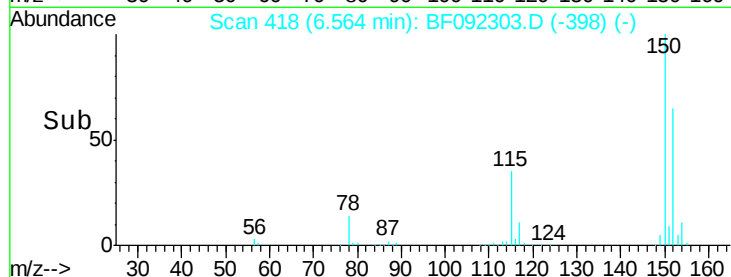
115 54.8 46.0 69.0



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: 118.13 ng

RT: 5.16 min Scan# 295

Delta R.T. -0.08 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

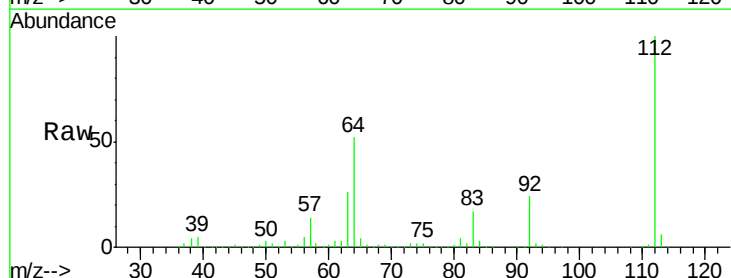
Tgt Ion:112 Resp: 1467518

Ion Ratio Lower Upper

112 100

64 51.5 46.1 69.1

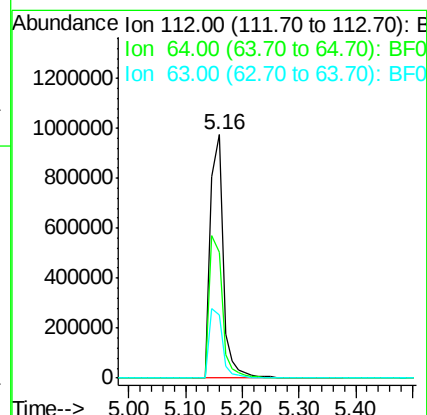
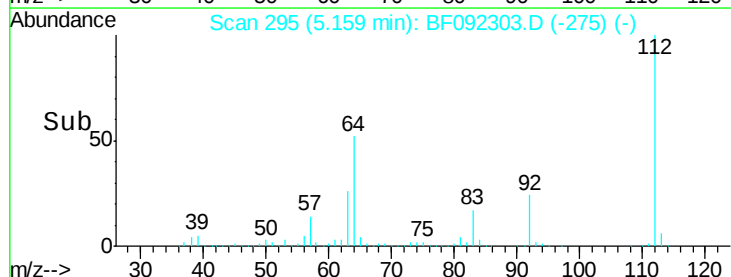
63 25.7 23.8 35.6



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: 133.90 ng

RT: 6.23 min Scan# 389

Delta R.T. -0.08 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

ClientSampleId :

SB-47-COMP

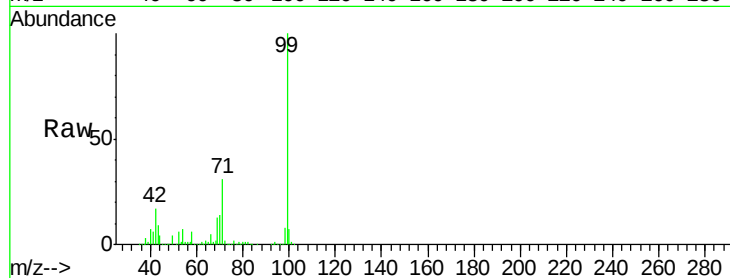
Tgt Ion: 99 Resp: 2030865

Ion Ratio Lower Upper

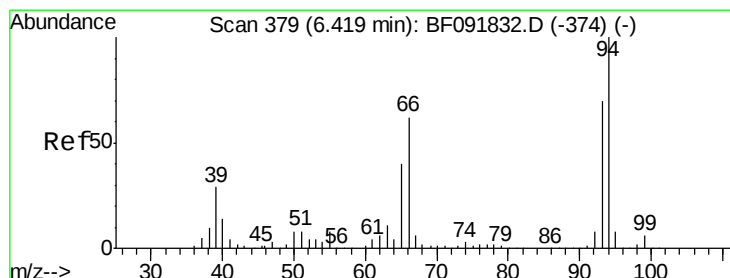
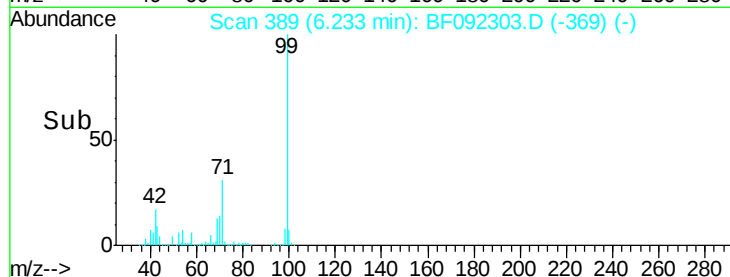
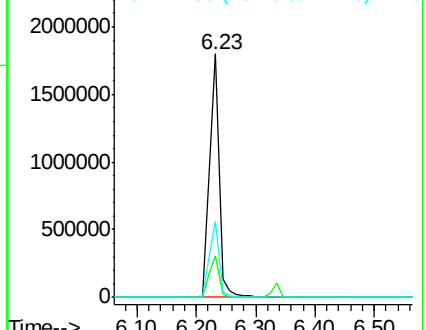
99 100

42 17.0 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: 5.98 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.08 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

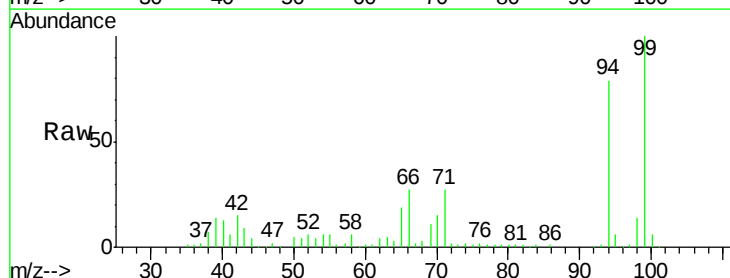
Tgt Ion: 94 Resp: 103427

Ion Ratio Lower Upper

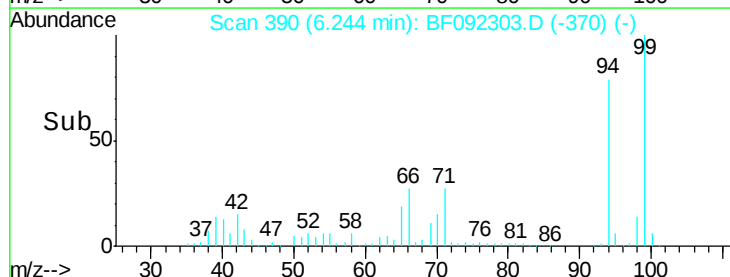
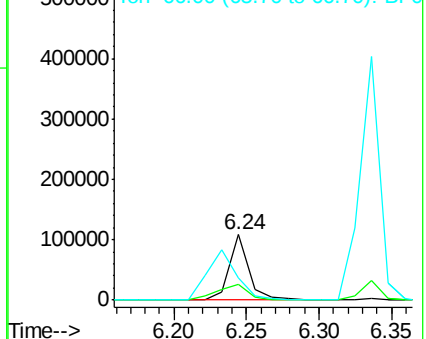
94 100

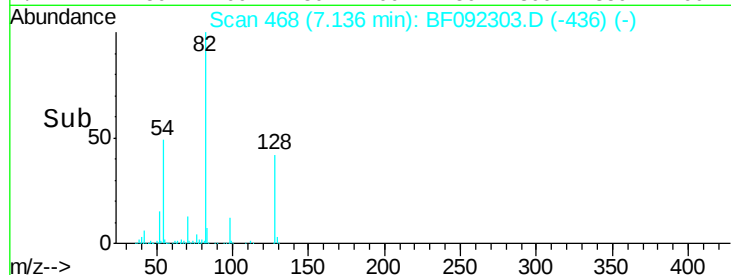
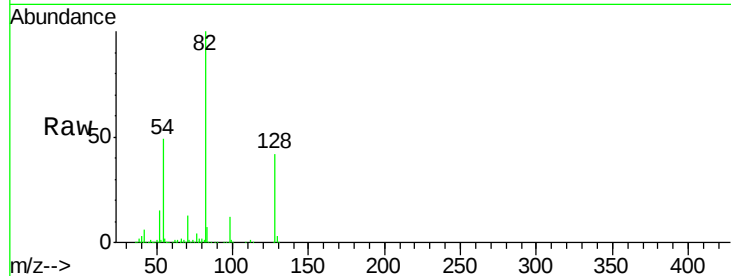
65 24.5 21.4 61.4

66 33.8 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

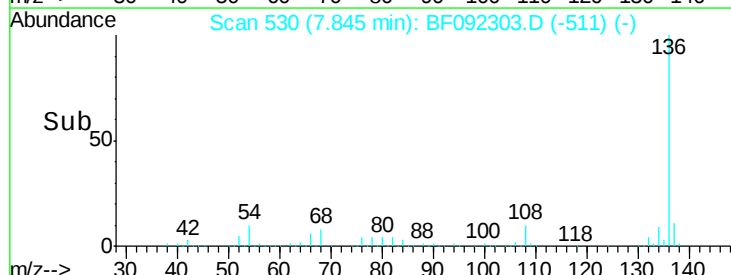
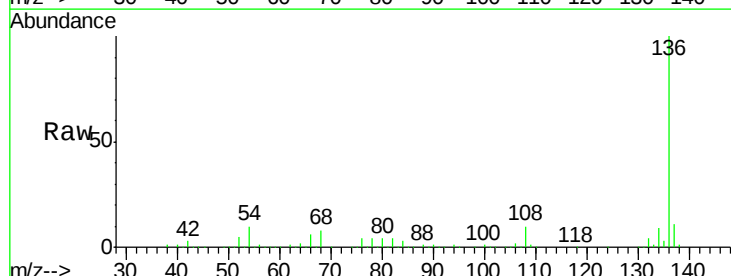
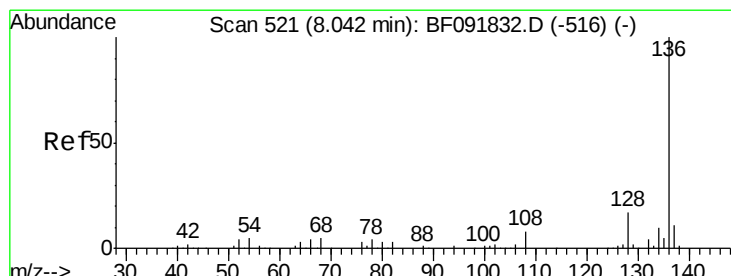
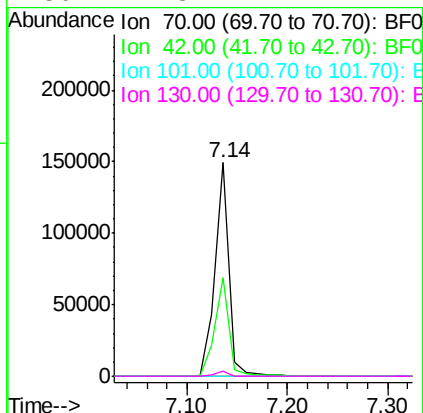




#19
n-Nitroso-di-n-propylamine
Concen: 14.22 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092303.D
Acq: 16 Jan 2017 23:46

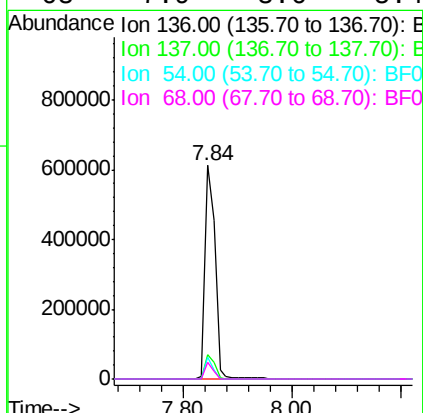
Instrument :
BNA_F
ClientSampleId :
SB-47-COMP

Tgt Ion: 70 Resp: 143443
Ion Ratio Lower Upper
70 100
42 46.1 49.4 74.0#
101 0.0 7.4 11.2#
130 2.3 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: BF092303.D
Acq: 16 Jan 2017 23:46

Tgt Ion: 136 Resp: 780109
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.9 4.5 6.7#
68 7.9 3.6 5.4#

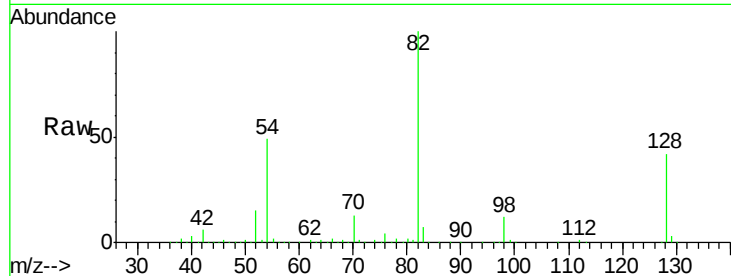




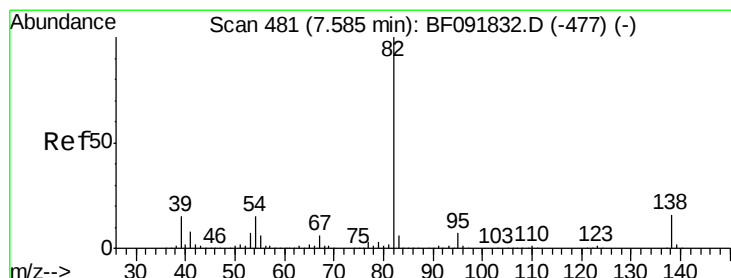
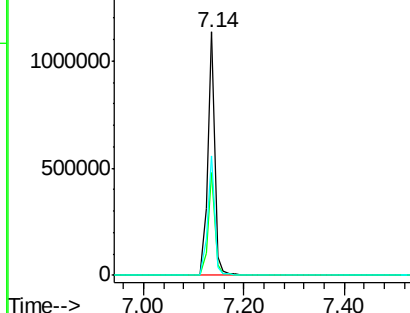
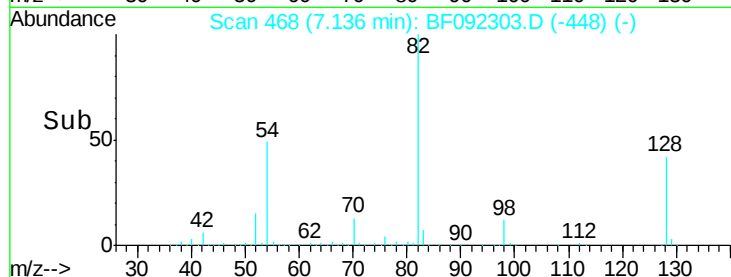
#23
 Nitrobenzene-d5
 Concen: 78.11 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: BF092303.D
 Acq: 16 Jan 2017 23:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-47-COMP

Tgt Ion: 82 Resp: 1095878
 Ion Ratio Lower Upper
 82 100
 128 42.3 34.6 52.0
 54 48.9 39.5 59.3

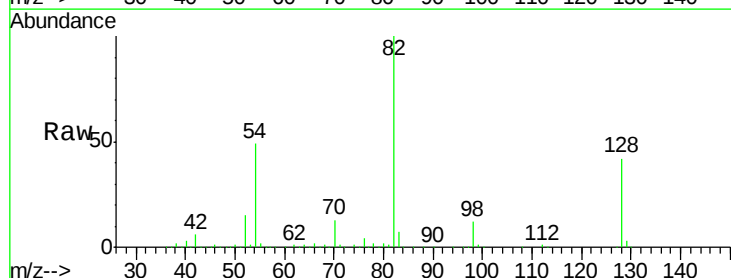


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

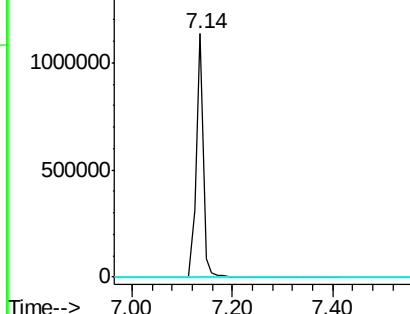
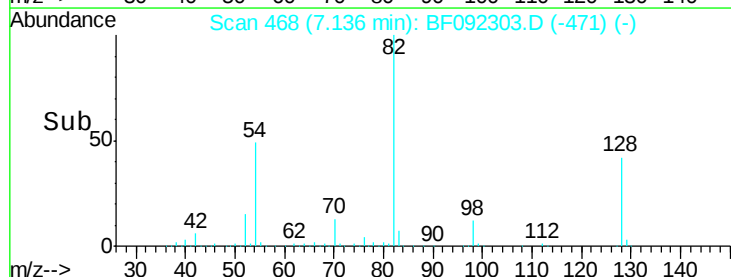


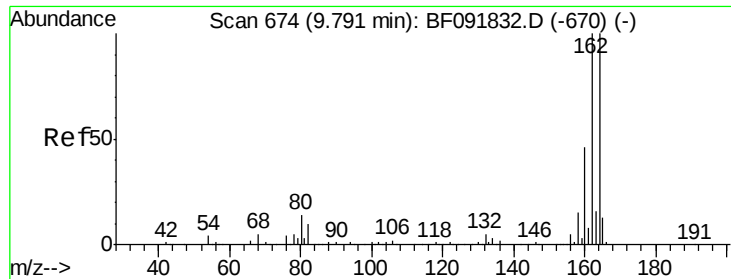
#25
 Isophorone
 Concen: 42.34 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.34 min
 Lab File: BF092303.D
 Acq: 16 Jan 2017 23:46

Tgt Ion: 82 Resp: 1095904
 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: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

ClientSampleId :

SB-47-COMP

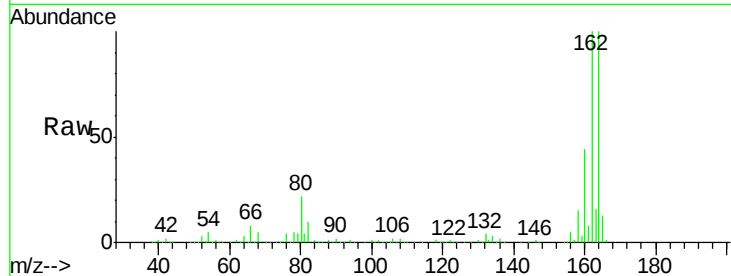
Tgt Ion:164 Resp: 490130

Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.2

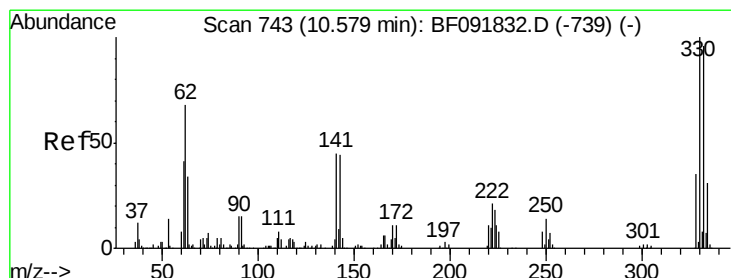
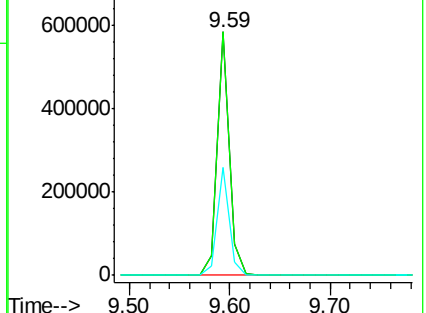
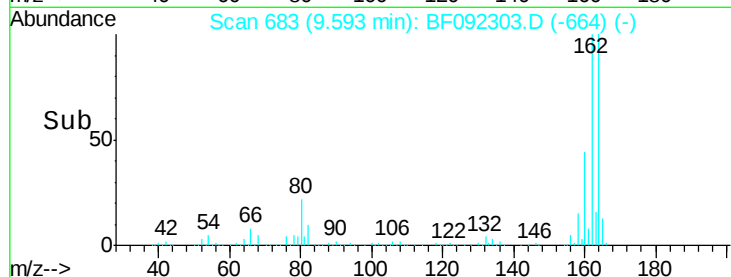
160 44.4 36.9 55.3



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: 106.47 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.09 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

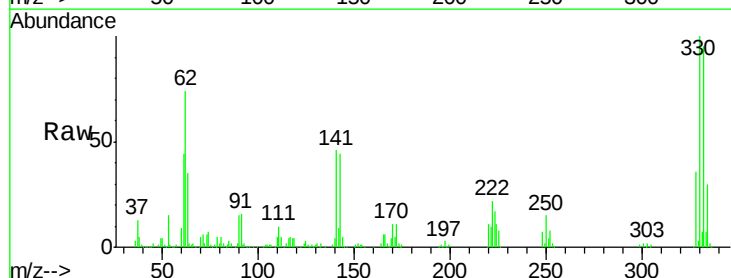
Tgt Ion:330 Resp: 431864

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.2

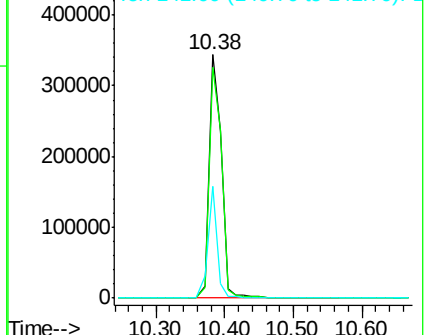
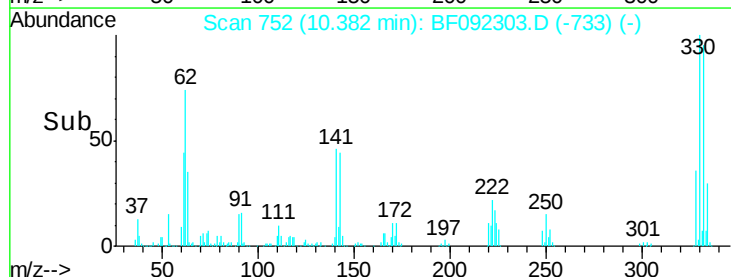
141 34.6 34.1 51.1

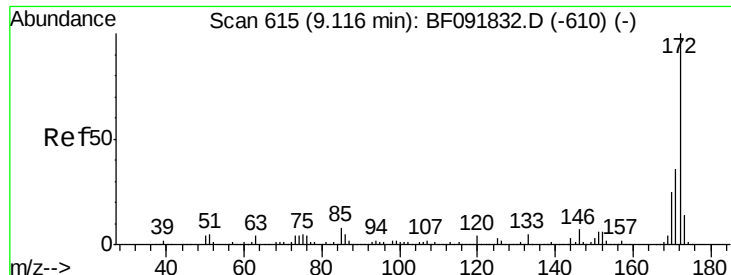


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

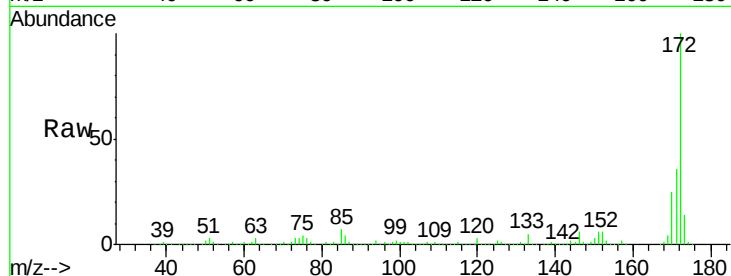




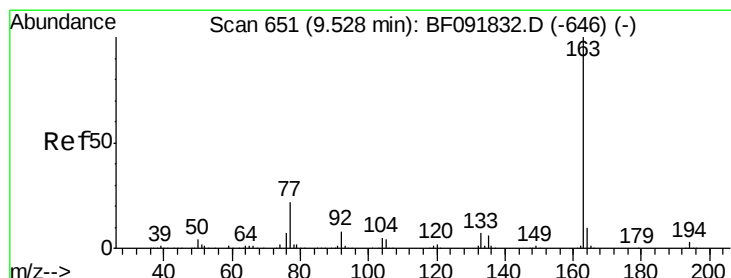
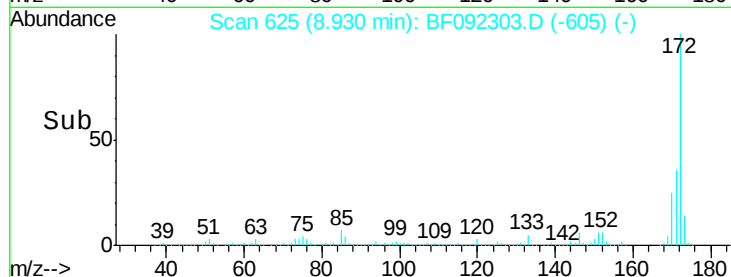
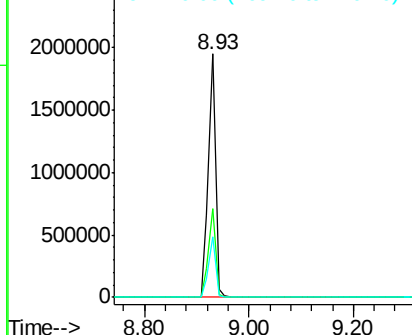
#44
 2-Fluorobiphenyl
 Concen: 77.05 ng
 RT: 8.93 min Scan# 625
 Delta R.T. -0.08 min
 Lab File: BF092303.D
 Acq: 16 Jan 2017 23:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-47-COMP

Tgt Ion:172 Resp: 1871899
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.6 20.2 30.4

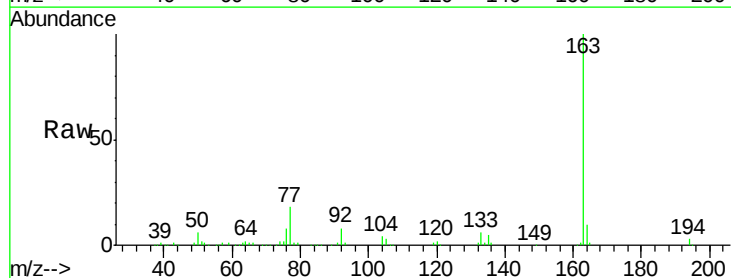


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

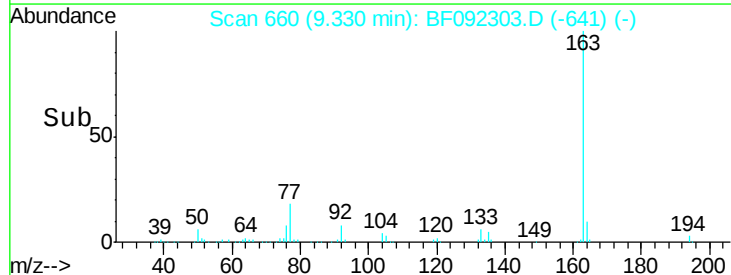
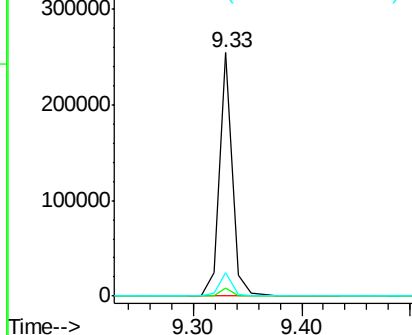


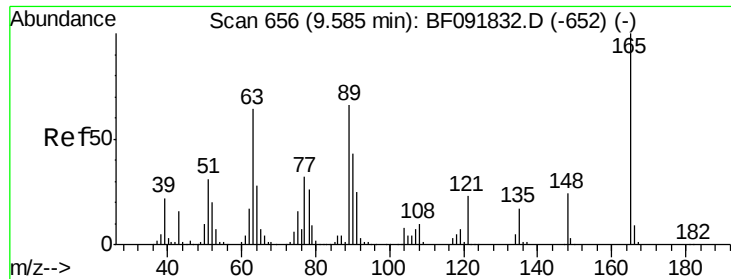
#49
 Dimethylphthalate
 Concen: 6.74 ng
 RT: 9.33 min Scan# 660
 Delta R.T. -0.09 min
 Lab File: BF092303.D
 Acq: 16 Jan 2017 23:46

Tgt Ion:163 Resp: 211430
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 9.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 9.20 ng

RT: 9.59 min Scan# 683

Delta R.T. 0.12 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

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SB-47-COMP

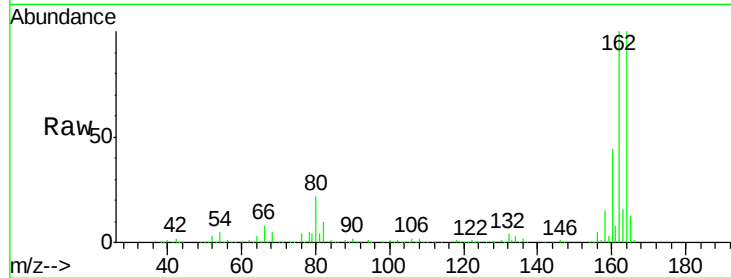
Tgt Ion:165 Resp: 63106

Ion Ratio Lower Upper

165 100

63 1.1 36.2 54.4#

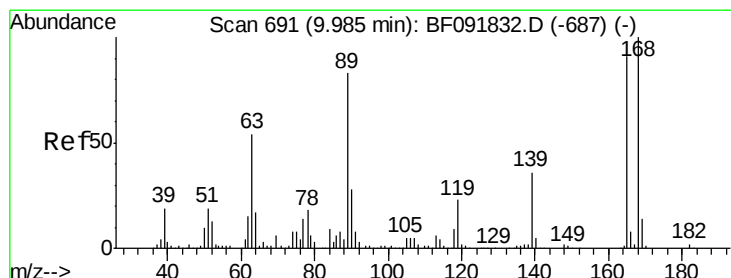
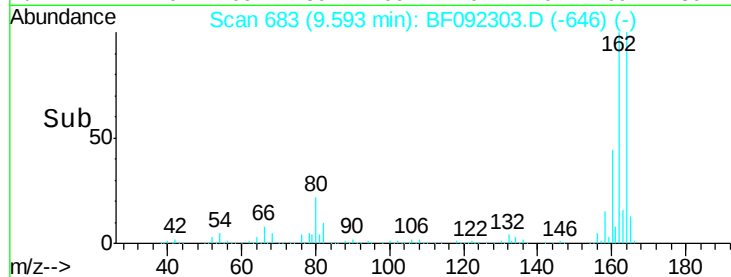
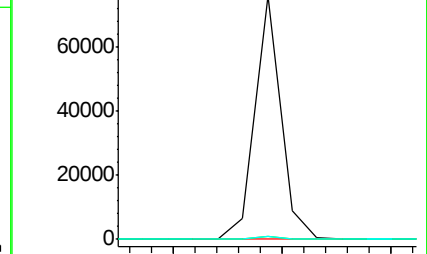
89 1.2 40.2 60.4#



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: 7.33 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.29 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

Tgt Ion:165 Resp: 63110

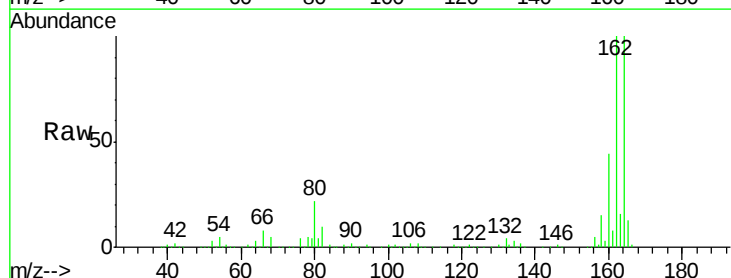
Ion Ratio Lower Upper

165 100

63 1.1 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

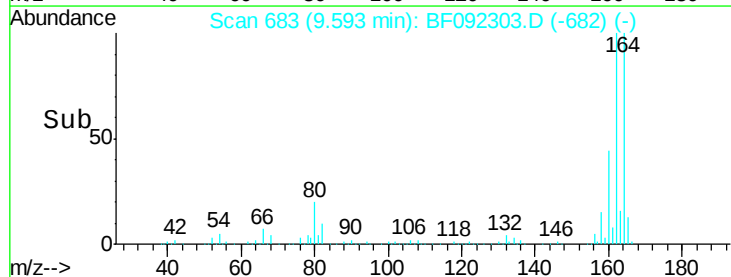
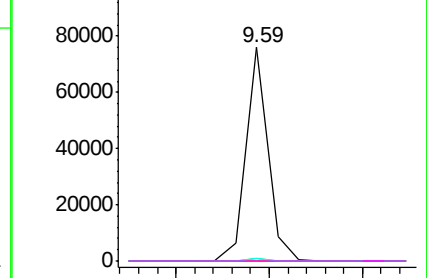


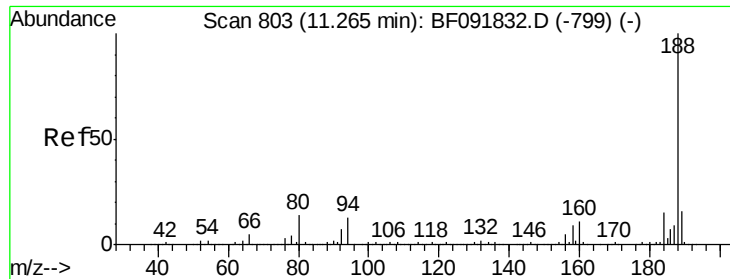
Abundance Ion 165.00 (164.70 to 165.70): E

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

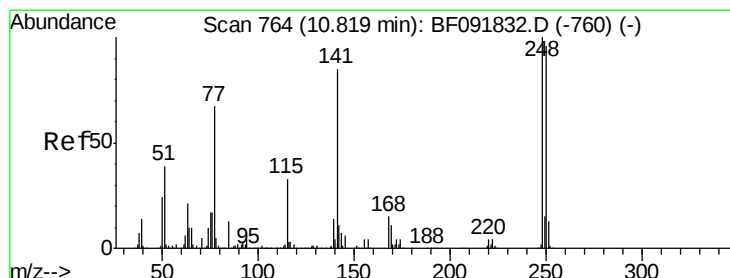
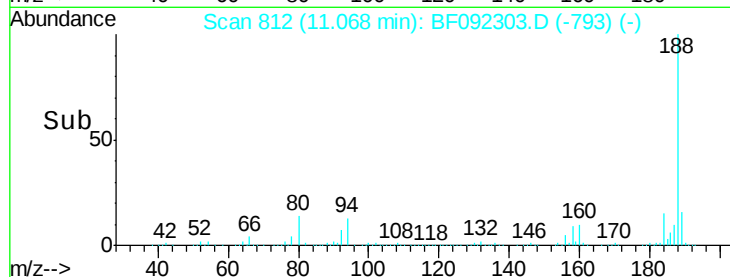
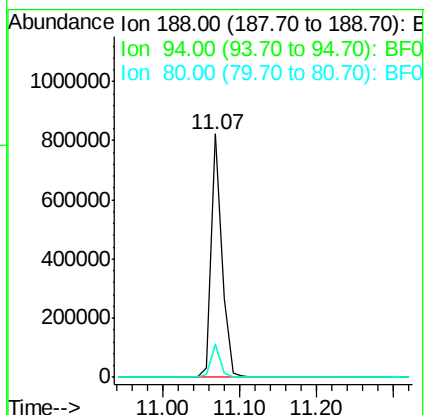
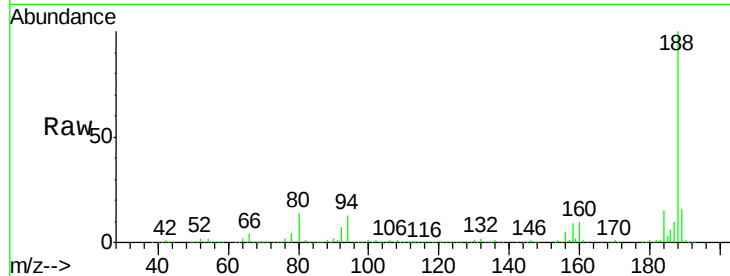




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 812
Delta R.T. -0.09 min
Lab File: BF092303.D
Acq: 16 Jan 2017 23:46

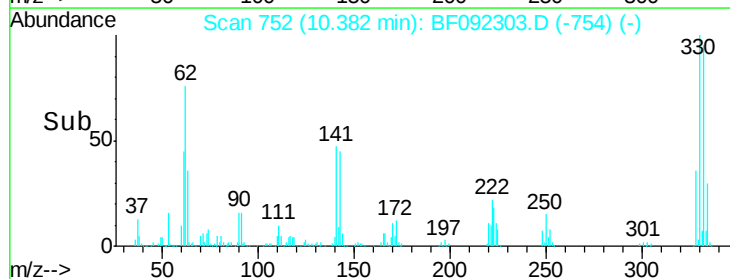
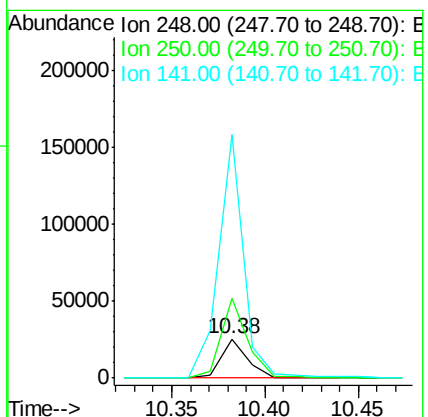
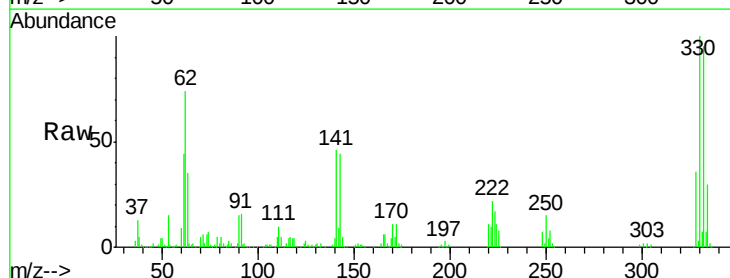
Instrument :
BNA_F
ClientSampleId :
SB-47-COMP

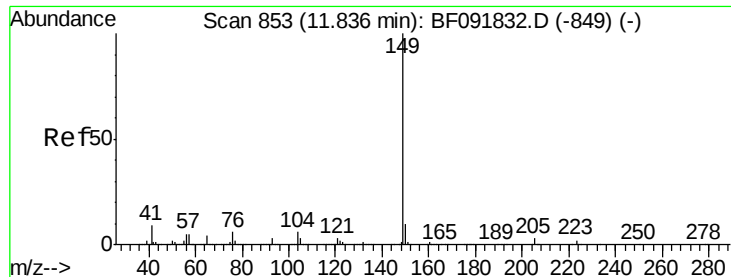
Tgt Ion:188 Resp: 788554
Ion Ratio Lower Upper
188 100
94 13.2 10.0 15.0
80 14.1 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 3.12 ng
RT: 10.38 min Scan# 752
Delta R.T. -0.33 min
Lab File: BF092303.D
Acq: 16 Jan 2017 23:46

Tgt Ion:248 Resp: 25573
Ion Ratio Lower Upper
248 100
250 206.0 76.9 115.3#
141 627.7 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

ClientSampleId :

SB-47-COMP

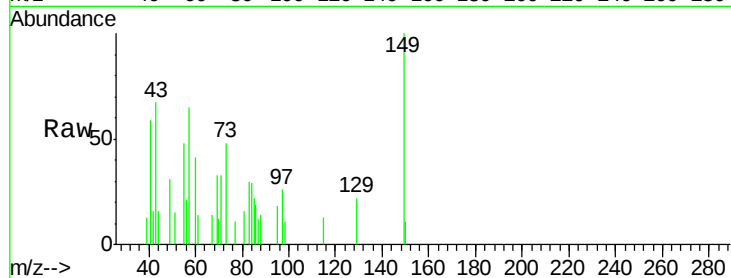
Tgt Ion:149 Resp: 3076

Ion Ratio Lower Upper

149 100

150 10.8 8.1 12.1

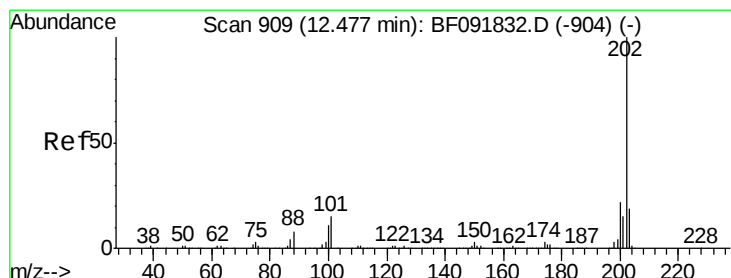
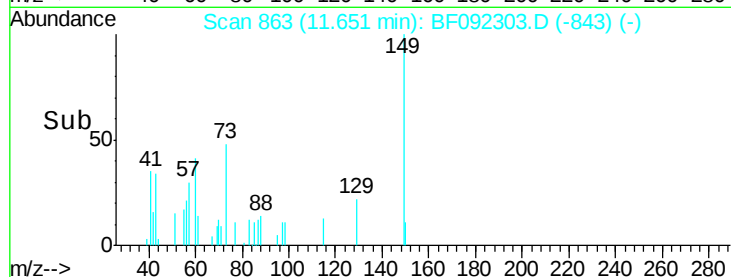
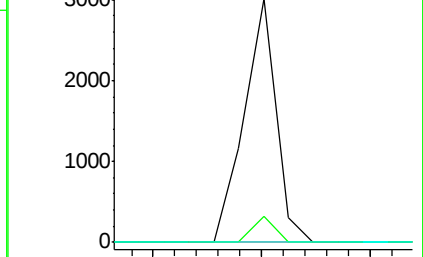
104 0.0 4.6 7.0#



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: BF092303.D

Acq: 16 Jan 2017 23:46

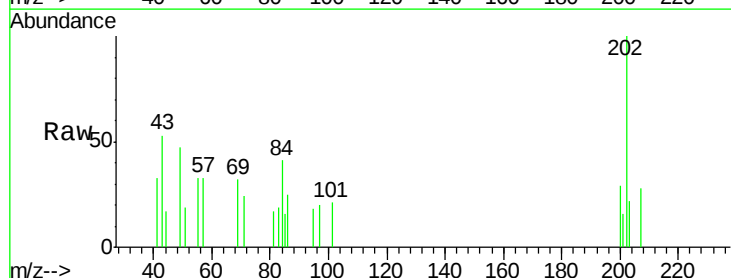
Tgt Ion:202 Resp: 2100

Ion Ratio Lower Upper

202 100

101 21.1 0.0 34.6

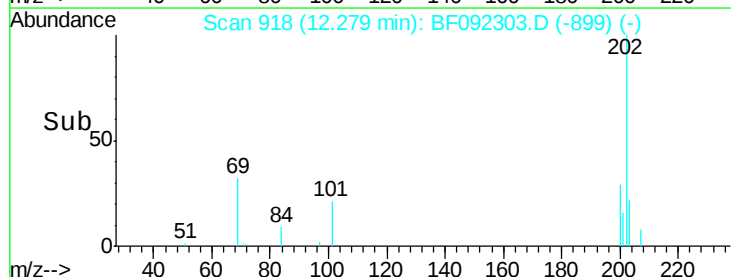
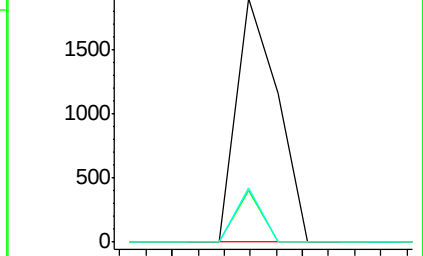
203 22.3 0.0 38.7

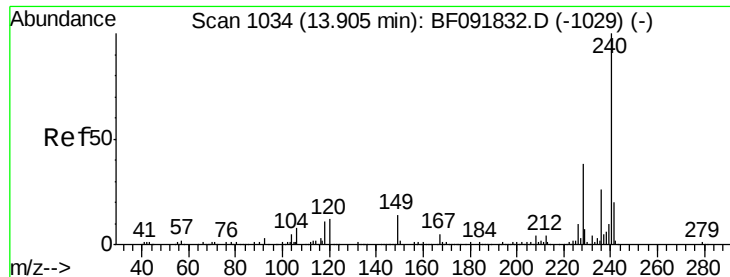


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF092303.D

Acq: 16 Jan 2017 23:46

Instrument :

BNA_F

ClientSampleId :

SB-47-COMP

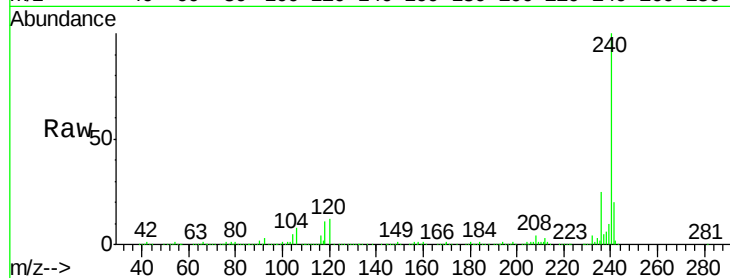
Tgt Ion:240 Resp: 693668

Ion Ratio Lower Upper

240 100

120 12.1 12.9 19.3#

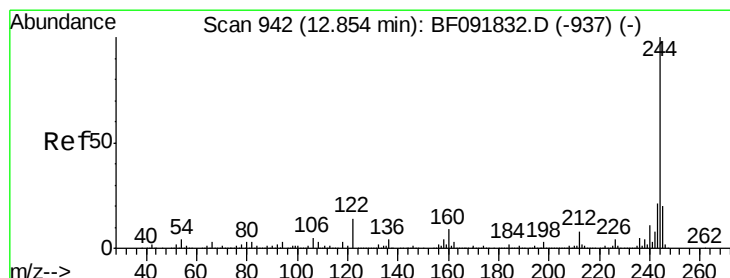
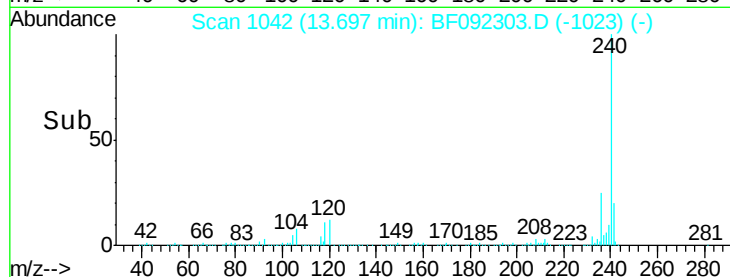
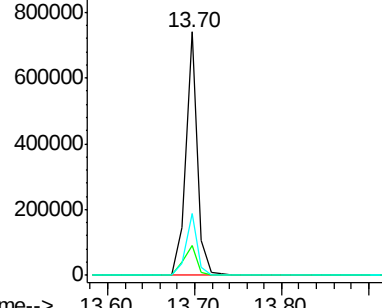
236 25.4 20.9 31.3



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: 57.86 ng

RT: 12.66 min Scan# 951

Delta R.T. -0.09 min

Lab File: BF092303.D

Acq: 16 Jan 2017 23:46

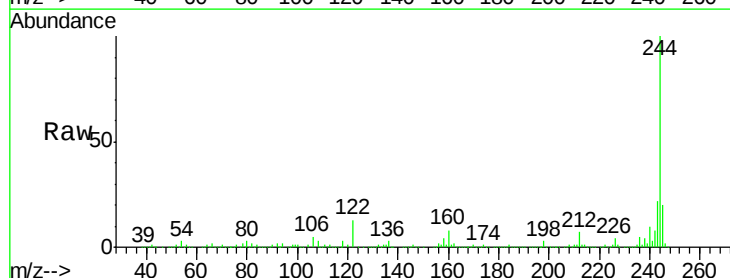
Tgt Ion:244 Resp: 1654979

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

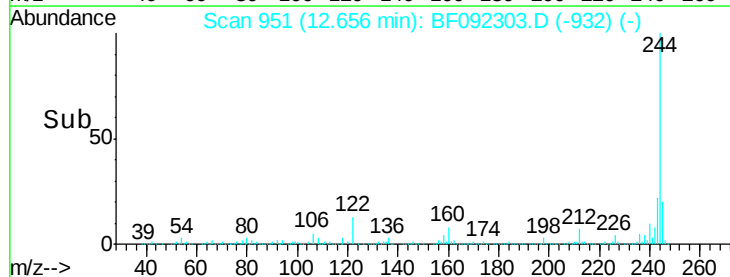
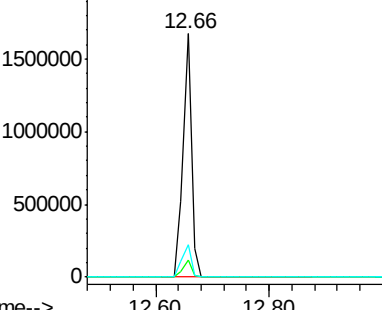
122 13.5 11.4 17.2

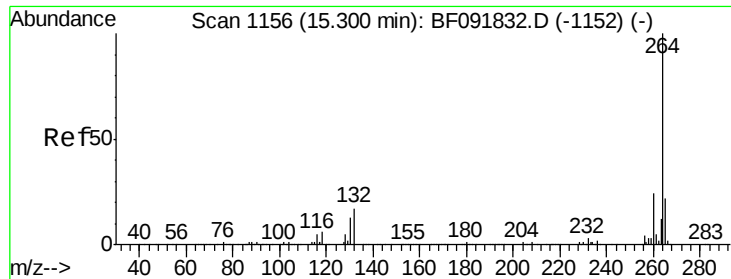


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF092303.D
Acq: 16 Jan 2017 23:46

Instrument :
BNA_F
ClientSampleId :
SB-47-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.6	17.4	26.0

