

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010617\
 Data File : BF092120.D
 Acq On : 6 Jan 2017 16:43
 Operator : UM/SJ
 Sample : I1025-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-8-COMP10

Quant Time: Jan 06 22:30:30 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

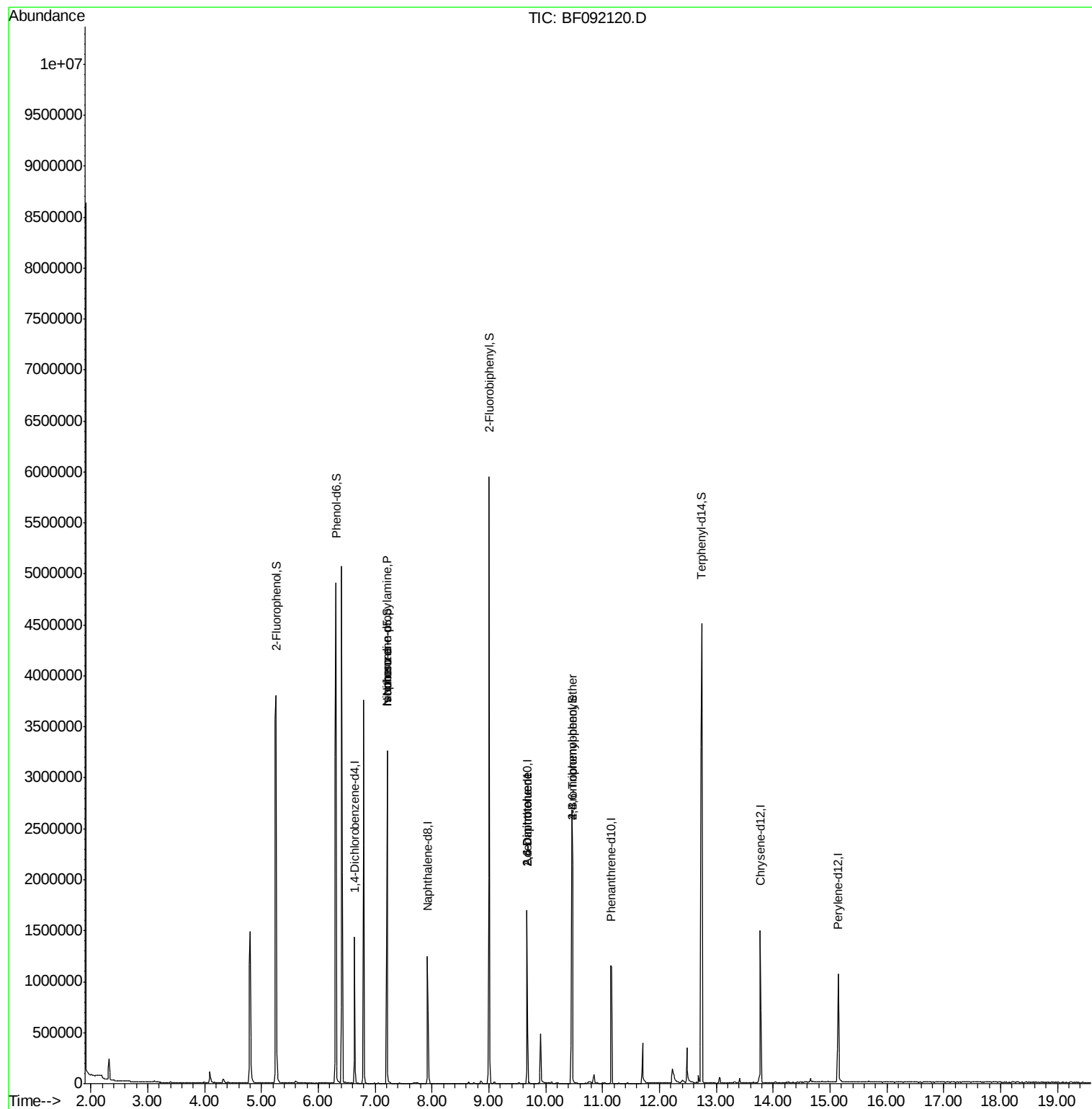
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	207603	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	705369	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	377772	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	646322	20.00	ng	0.00
75) Chrysene-d12	13.77	240	574579	20.00	ng	-0.01
86) Perylene-d12	15.15	264	432071	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1625111	130.71	ng	0.02
7) Phenol-d6	6.31	99	2152271	141.78	ng	0.00
23) Nitrobenzene-d5	7.21	82	1180247	93.04	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	487493	155.93	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1854749	103.39	ng	0.00
78) Terphenyl-d14	12.75	244	1887949	79.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	158172	15.66	ng	# 75
25) Isophorone	7.21	82	1168480	49.93	ng	# 65
37) 2-Methylnaphthalene	8.64	142	4816	Below Cal		89
50) 2,6-Dinitrotoluene	9.67	165	47842	9.05	ng	# 30
56) 2,4-Dinitrotoluene	9.67	165	47842	7.21	ng	# 20
66) 4-Bromophenyl-phenylether	10.47	248	29291	4.36	ng	# 1
71) Anthracene	11.18	178	4174	Below Cal		98
73) Di-n-butylphthalate	11.73	149	3191	Below Cal	#	76
74) Fluoranthene	12.36	202	571	Below Cal		61
76) Benzidine	12.49	184	1660	Below Cal	#	1

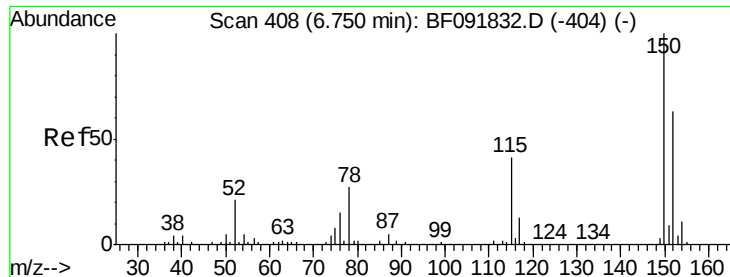
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

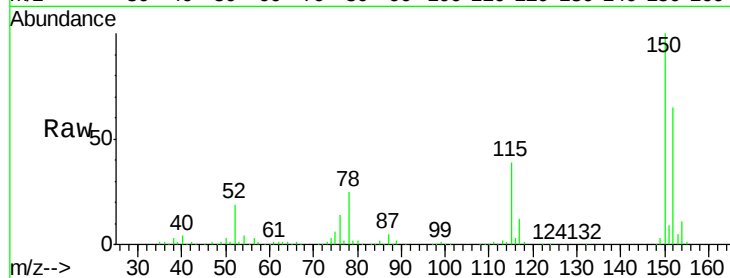
Tgt Ion:152 Resp: 207603

Ion Ratio Lower Upper

152 100

150 154.9 124.9 187.3

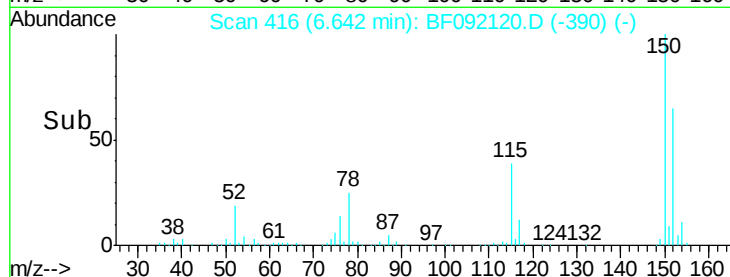
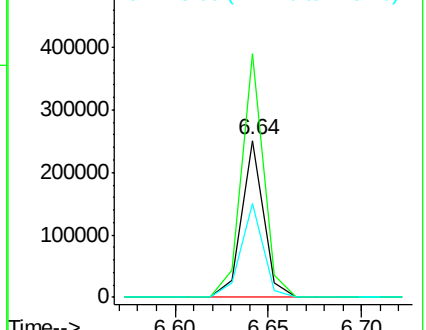
115 60.1 46.0 69.0



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: 130.71 ng

RT: 5.26 min Scan# 295

Delta R.T. 0.02 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

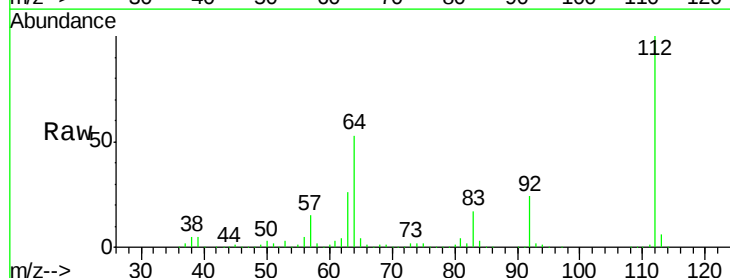
Tgt Ion:112 Resp: 1625111

Ion Ratio Lower Upper

112 100

64 52.9 46.1 69.1

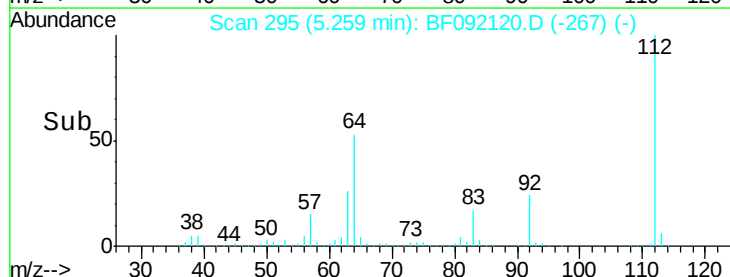
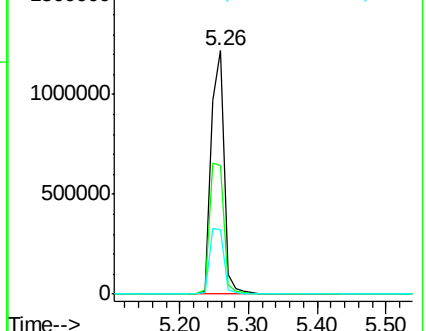
63 26.5 23.8 35.6



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: 141.78 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

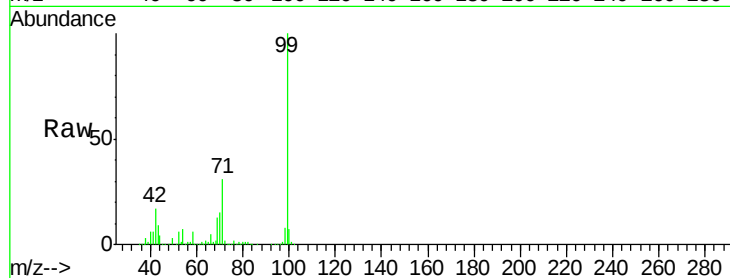
Tgt Ion: 99 Resp: 2152271

Ion Ratio Lower Upper

99 100

42 16.5 15.6 23.4

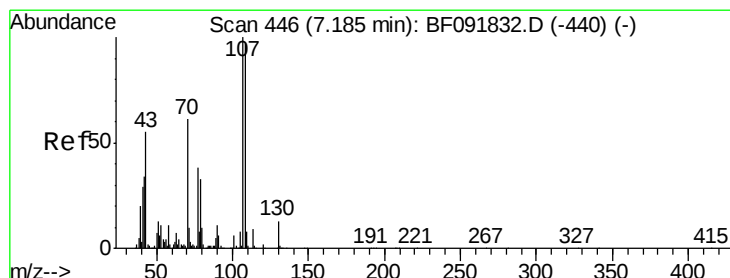
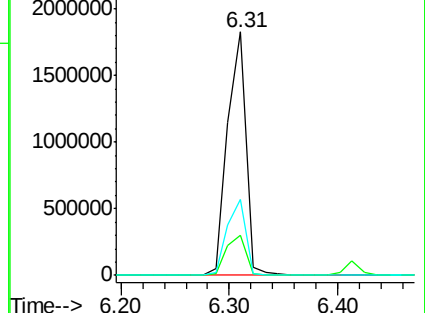
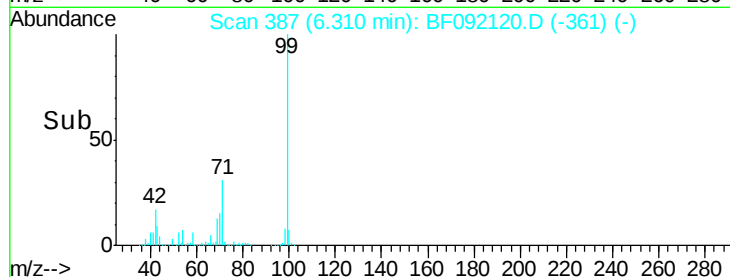
71 31.4 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.66 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Tgt Ion: 70 Resp: 158172

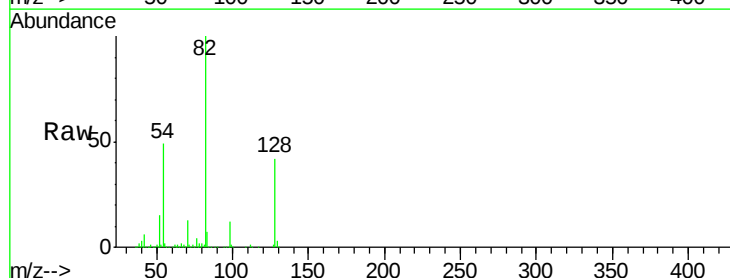
Ion Ratio Lower Upper

70 100

42 45.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

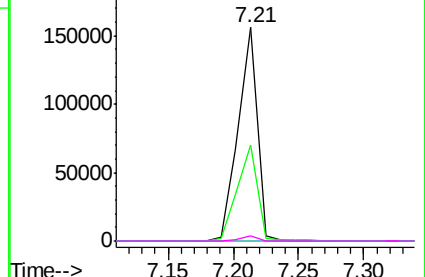
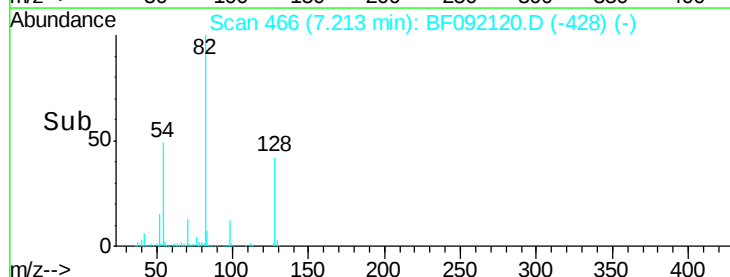


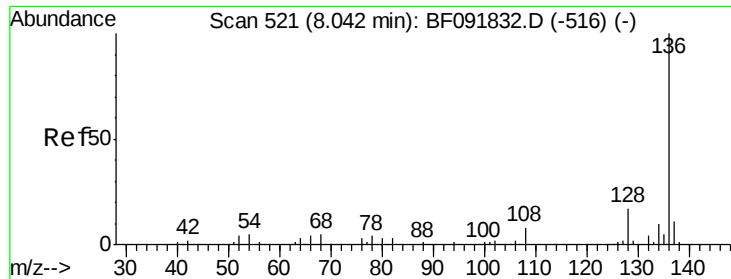
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

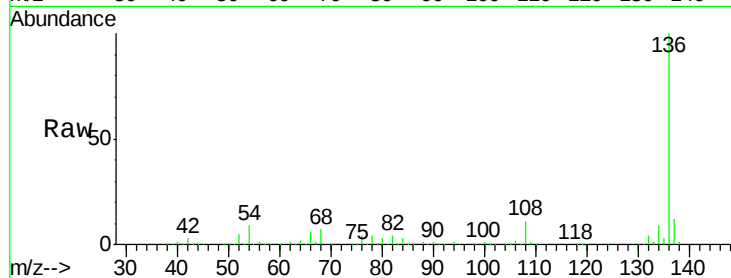




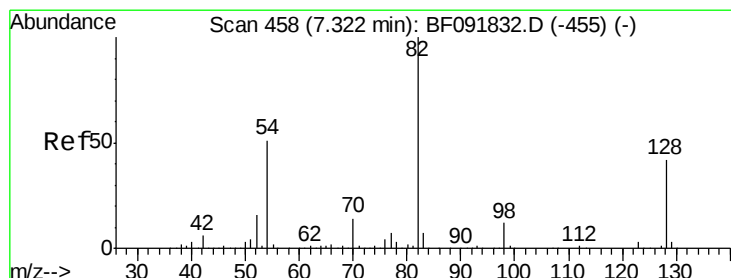
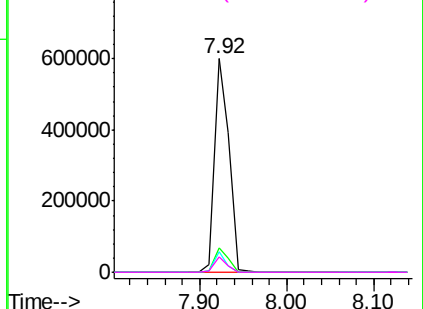
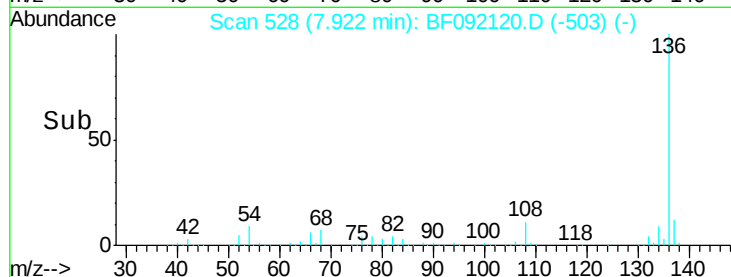
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092120.D
Acq: 6 Jan 2017 16:43

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP10

Tgt Ion: 136 Resp: 705369
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 9.4 4.5 6.7#
68 7.2 3.6 5.4#

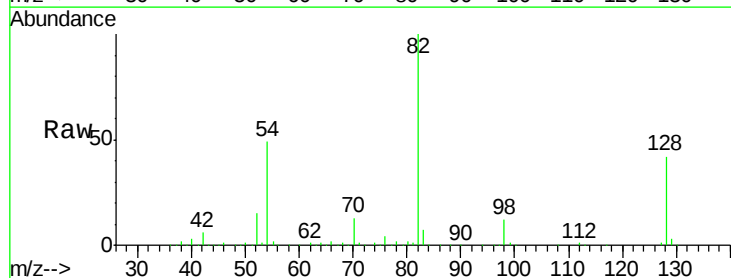


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

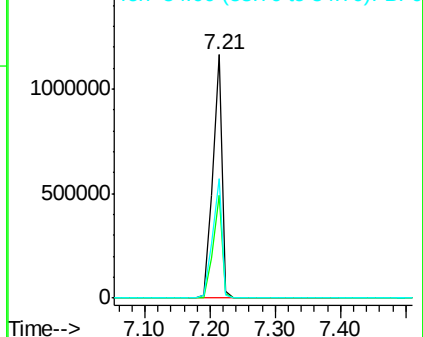
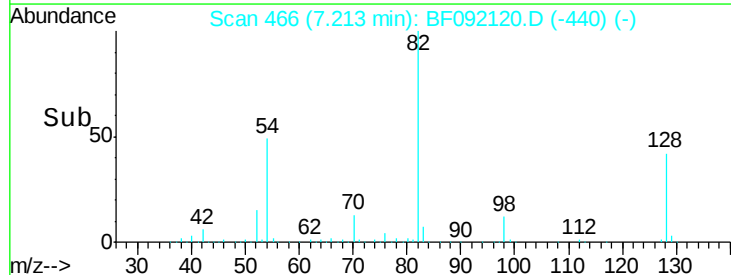


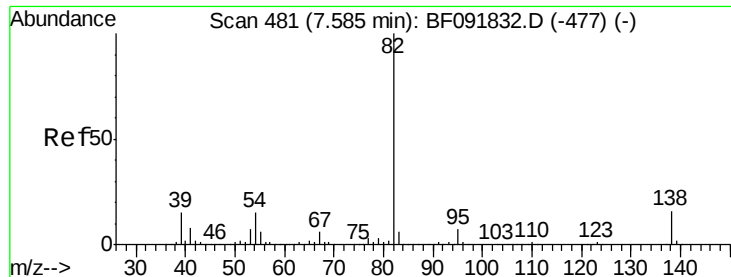
#23
Nitrobenzene-d5
Concen: 93.04 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF092120.D
Acq: 6 Jan 2017 16:43

Tgt Ion: 82 Resp: 1180247
Ion Ratio Lower Upper
82 100
128 42.4 34.6 52.0
54 49.1 39.5 59.3



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





#25

Isophorone

Concen: 49.93 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

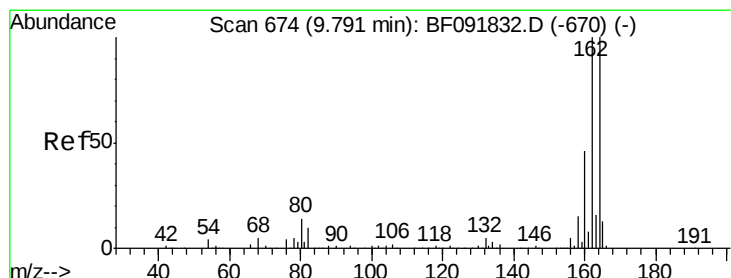
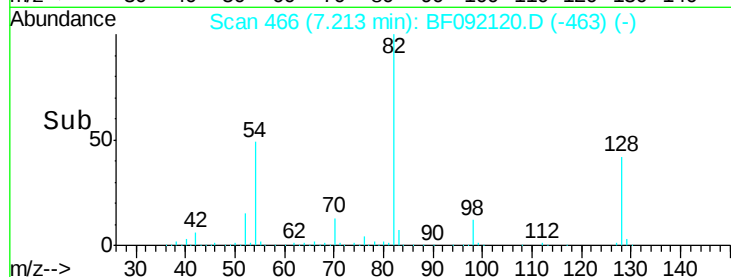
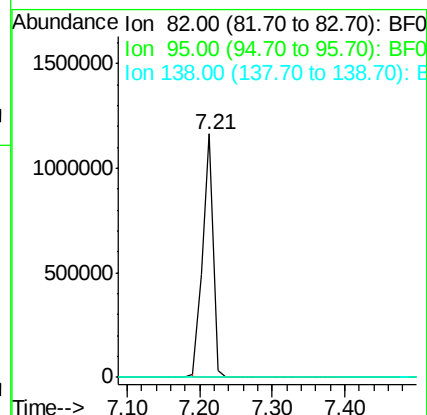
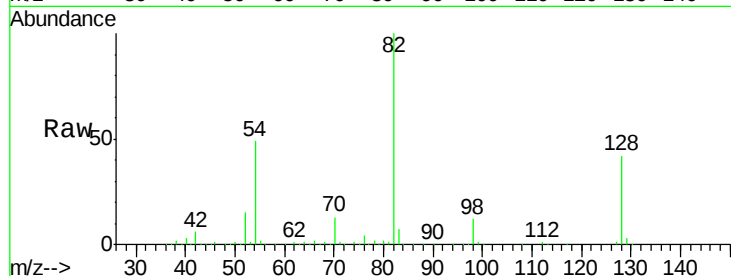
Tgt Ion: 82 Resp: 1168480

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

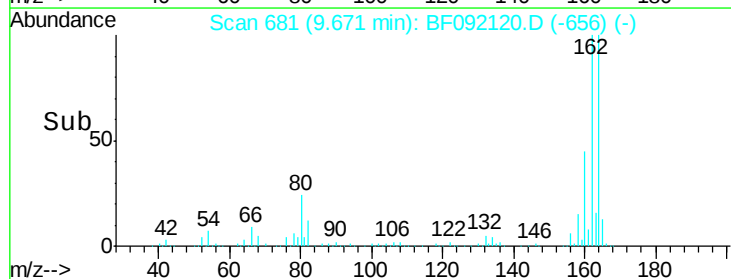
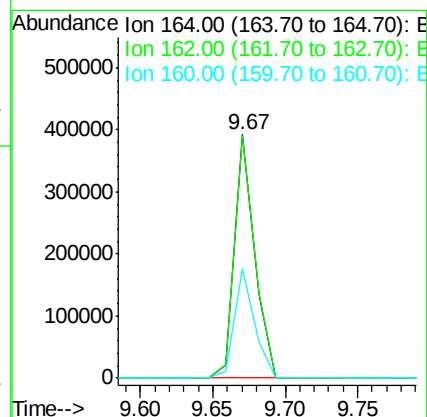
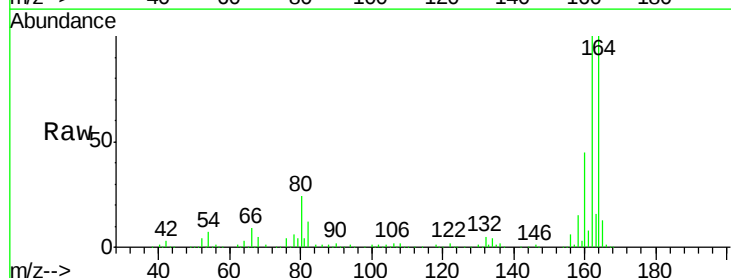
Tgt Ion: 164 Resp: 377772

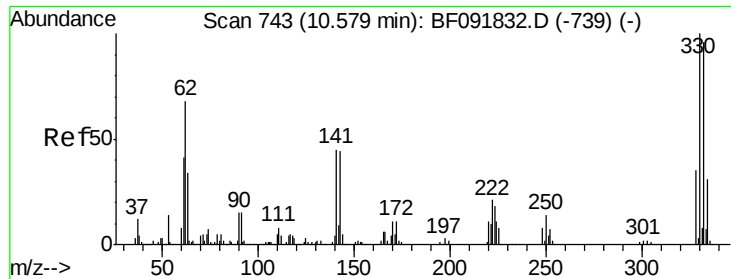
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

160 44.9 36.9 55.3

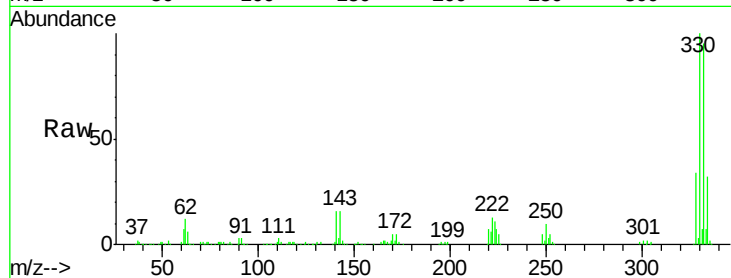




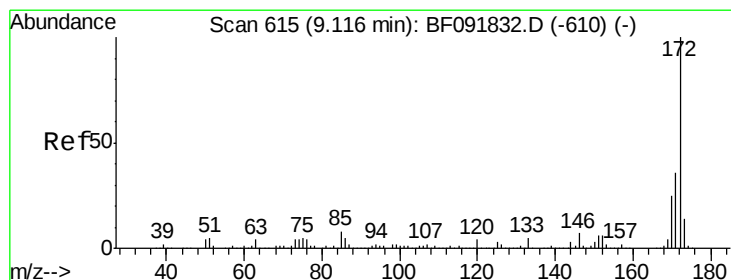
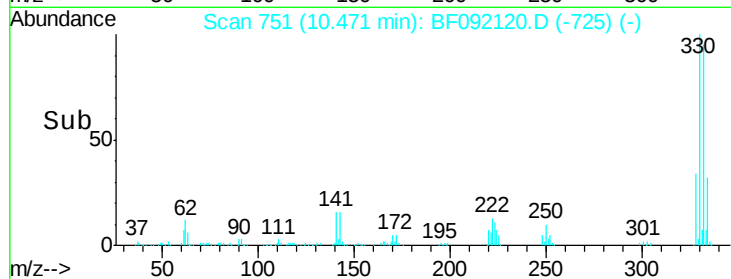
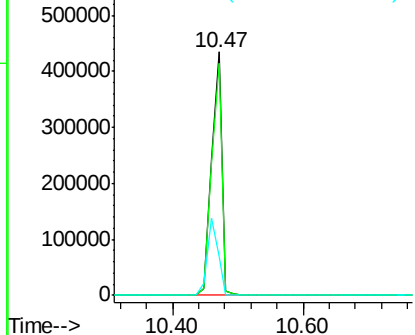
#41
 2,4,6-Tribromophenol
 Concen: 155.93 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092120.D
 Acq: 6 Jan 2017 16:43

Instrument :
 BNA_F
 ClientSampleId :
 TP7-8-COMP10

Tgt Ion:330 Resp: 487493
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 32.8 34.1 51.1#

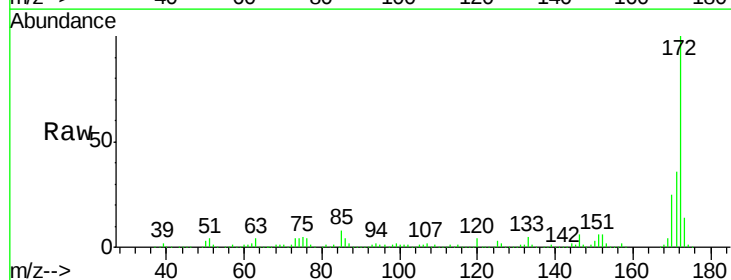


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

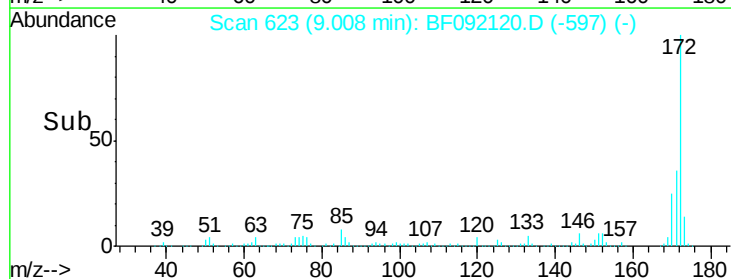
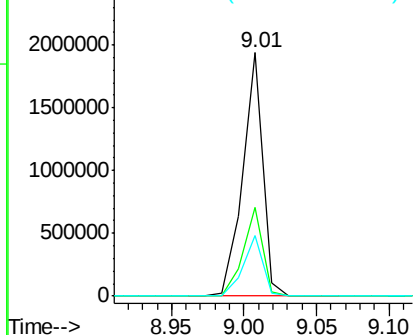


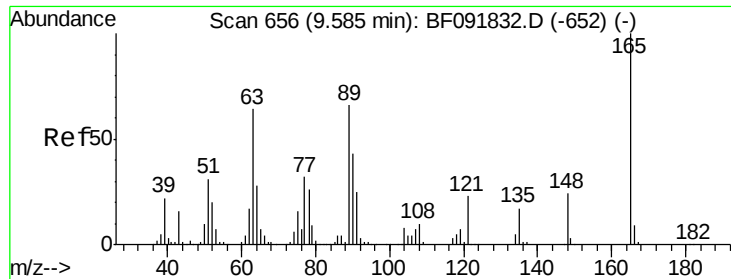
#44
 2-Fluorobiphenyl
 Concen: 103.39 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092120.D
 Acq: 6 Jan 2017 16:43

Tgt Ion:172 Resp: 1854749
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.8 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





#50

2,6-Dinitrotoluene

Concen: 9.05 ng

RT: 9.67 min Scan# 681

Delta R.T. 0.19 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

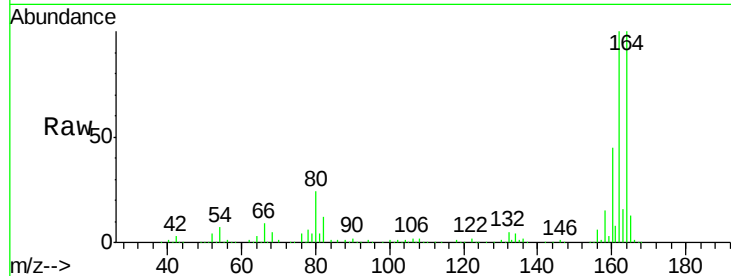
Tgt Ion:165 Resp: 47842

Ion Ratio Lower Upper

165 100

63 0.7 36.2 54.4#

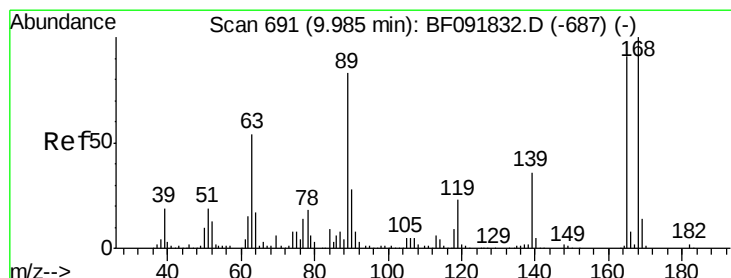
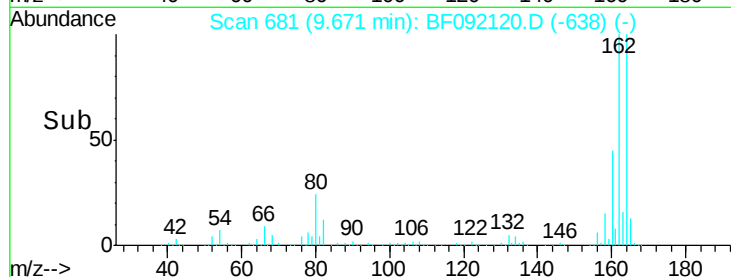
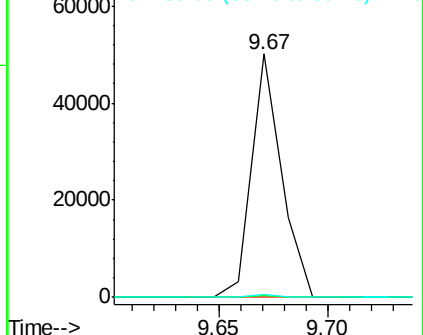
89 1.2 40.2 60.4#



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: 7.21 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Tgt Ion:165 Resp: 47842

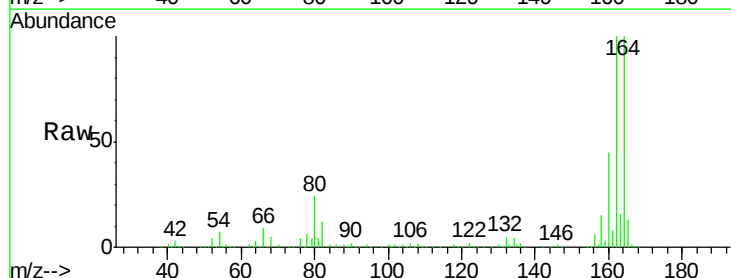
Ion Ratio Lower Upper

165 100

63 0.7 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

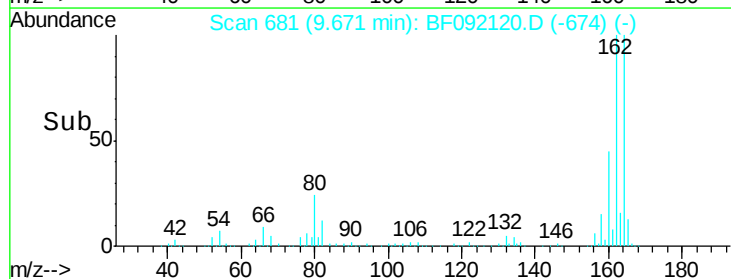
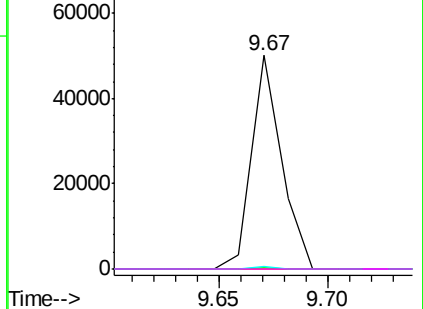


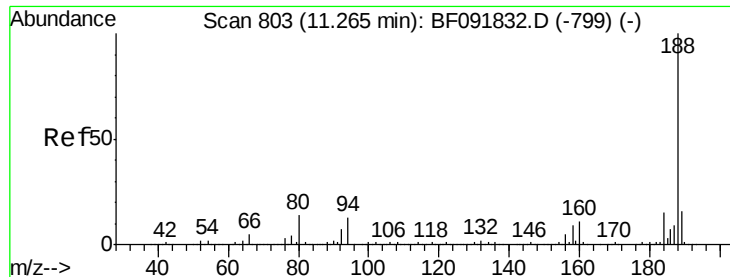
Abundance Ion 165.00 (164.70 to 165.70): E

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

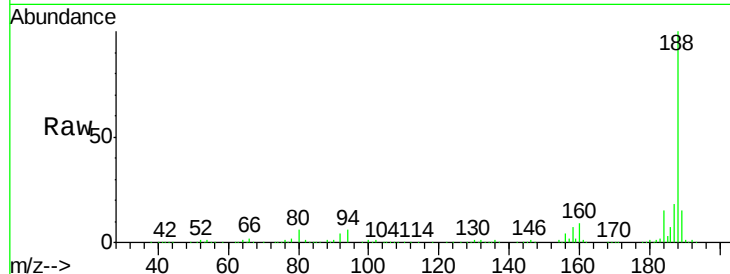




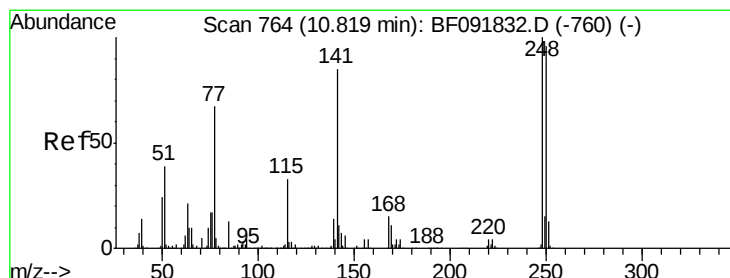
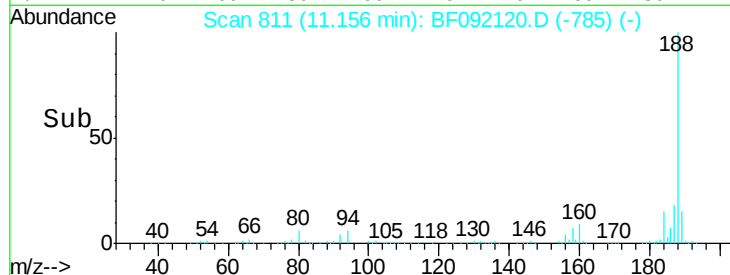
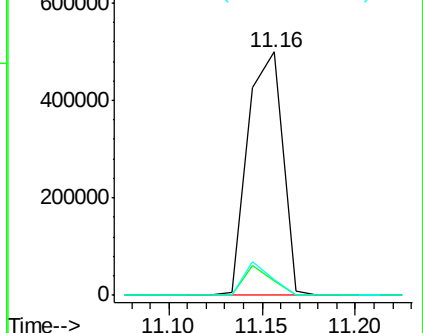
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092120.D
Acq: 6 Jan 2017 16:43

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP10

Tgt Ion:188 Resp: 646322
Ion Ratio Lower Upper
188 100
94 6.2 10.0 15.0#
80 6.5 11.2 16.8#

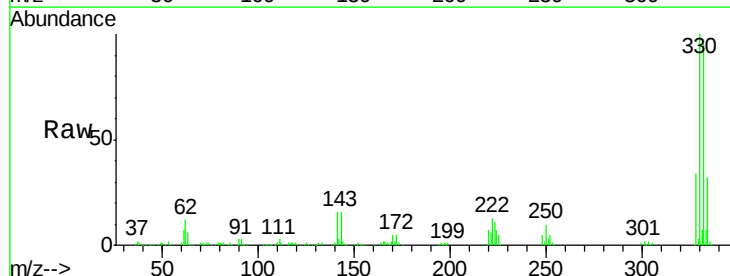


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

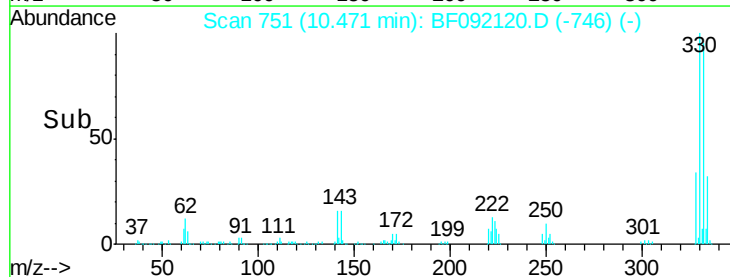
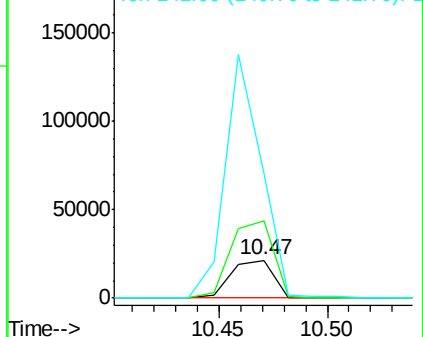


#66
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 10.47 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF092120.D
Acq: 6 Jan 2017 16:43

Tgt Ion:248 Resp: 29291
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 326.0 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: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

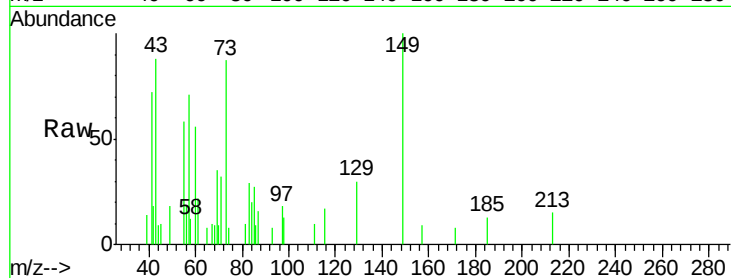
Tgt Ion:149 Resp: 3191

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

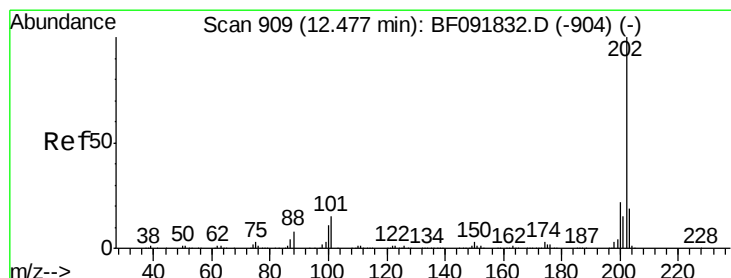
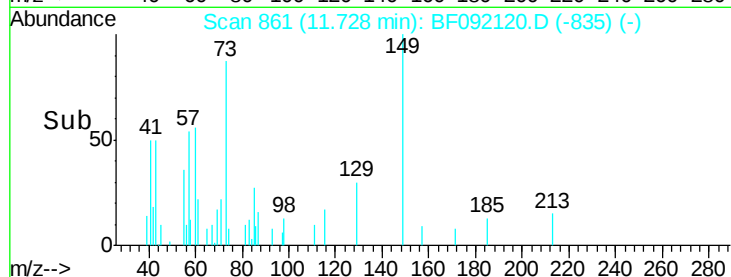
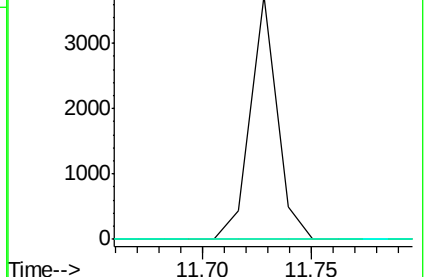
104 0.0 4.6 7.0#



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: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

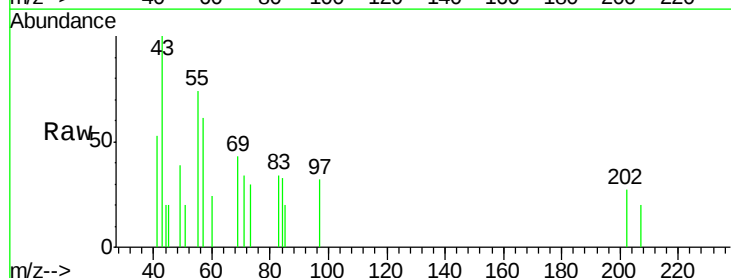
Tgt Ion:202 Resp: 571

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

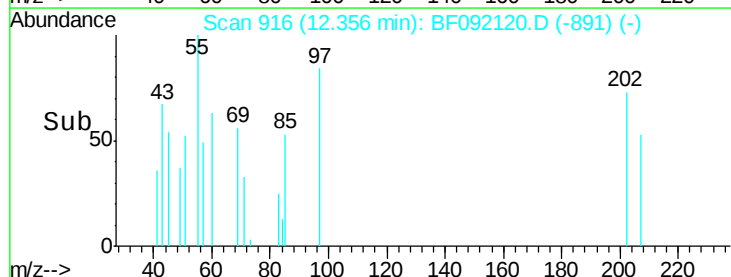
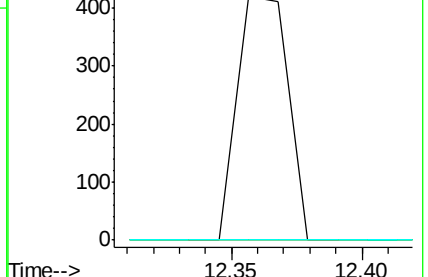
203 0.0 0.0 38.7

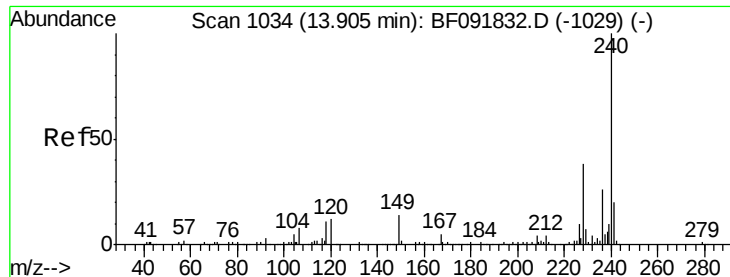


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

Instrument :

BNA_F

ClientSampleId :

TP7-8-COMP10

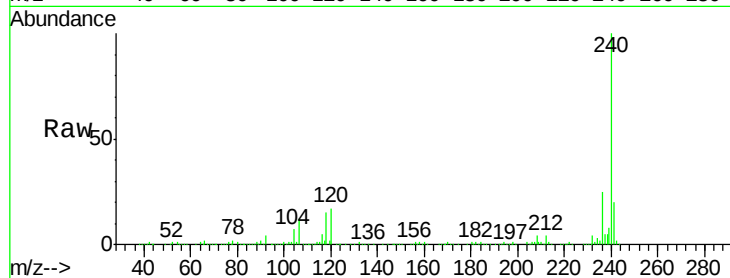
Tgt Ion:240 Resp: 574579

Ion Ratio Lower Upper

240 100

120 16.8 12.9 19.3

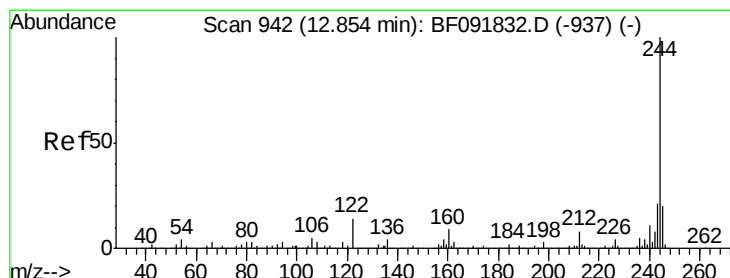
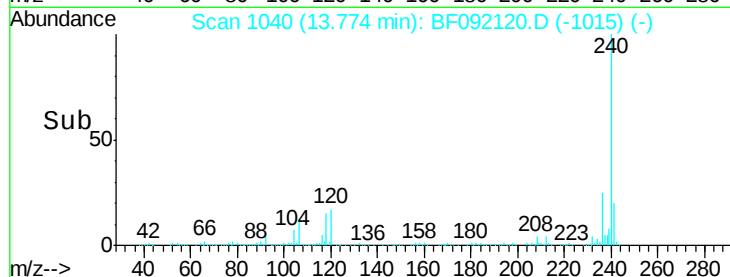
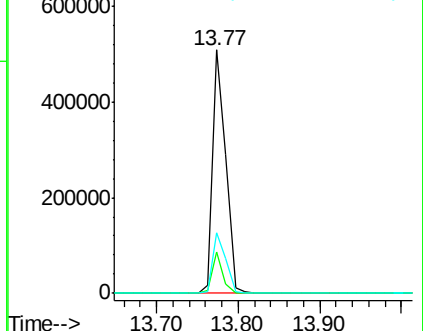
236 25.1 20.9 31.3



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: 79.69 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092120.D

Acq: 6 Jan 2017 16:43

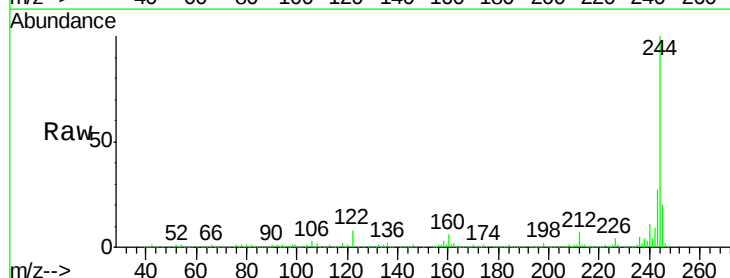
Tgt Ion:244 Resp: 1887949

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

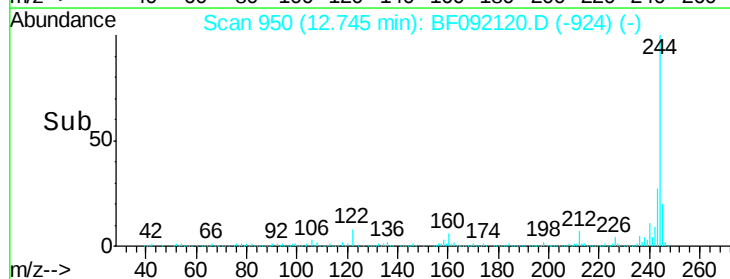
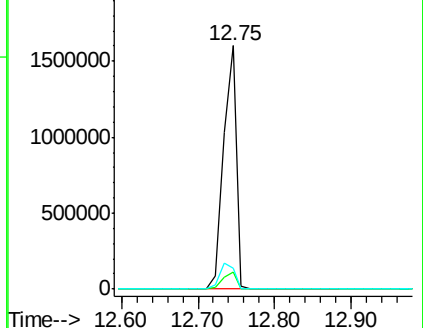
122 8.5 11.4 17.2#

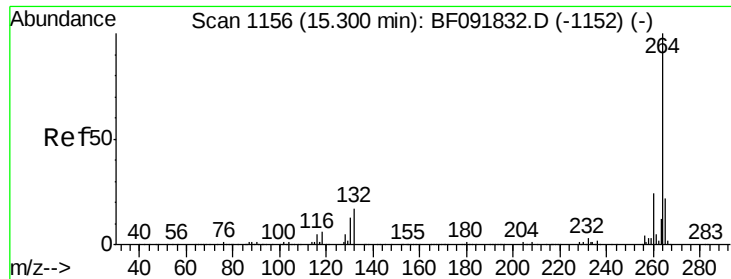


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.15 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092120.D
Acq: 6 Jan 2017 16:43

Instrument :
BNA_F
ClientSampleId :
TP7-8-COMP10

Tgt Ion: 264 Resp: 432071
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.9 17.4 26.0

