

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091981.D
 Acq On : 27 Dec 2016 21:32
 Operator : UM/SJ
 Sample : H6245-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PZ-4

Quant Time: Dec 28 00:01:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

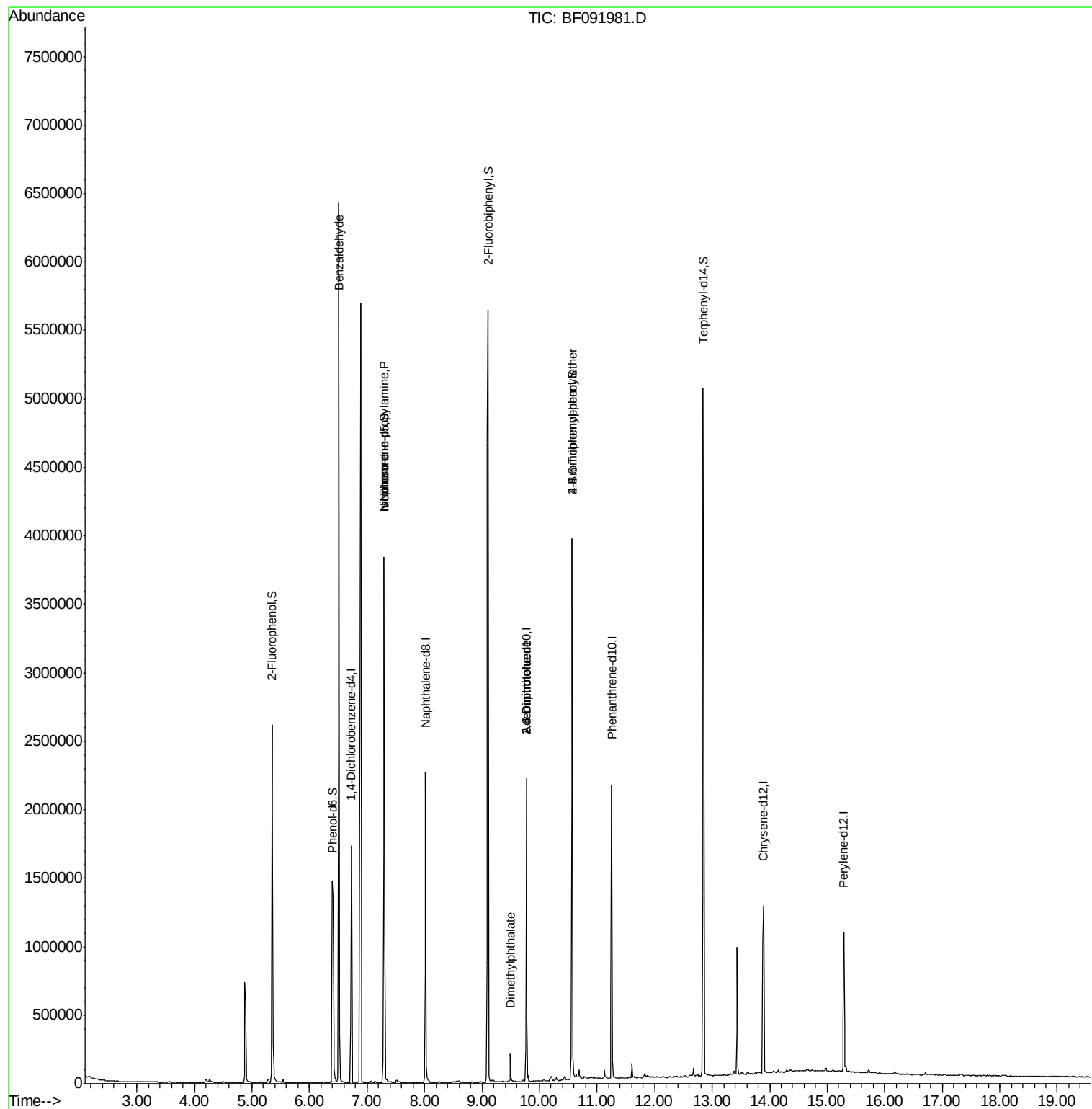
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	262880	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1137350	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	459323	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	766243	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	590135	20.00	ng	-0.01
86) Perylene-d12	15.29	264	447766	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1065838	67.70	ng	0.00
7) Phenol-d6	6.41	99	843209	43.87	ng	0.00
23) Nitrobenzene-d5	7.30	82	1641180	80.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	512339	134.78	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2622058	122.68	ng	-0.01
78) Terphenyl-d14	12.84	244	2122752	87.24	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.51	77	44124	2.85	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	219515	17.17	ng	# 77
25) Isophorone	7.30	82	1193289	31.62	ng	# 65
37) 2-Methylnaphthalene	8.73	142	873	Below Cal	#	84
49) Dimethylphthalate	9.49	163	81961	2.79	ng	98
50) 2,6-Dinitrotoluene	9.77	165	59738	9.29	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	59744	7.40	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	35398	4.44	ng	# 1
71) Anthracene	11.32	178	1190	Below Cal	#	59
73) Di-n-butylphthalate	11.83	149	9621	Below Cal	#	96
74) Fluoranthene	12.58	202	206	Below Cal	#	61

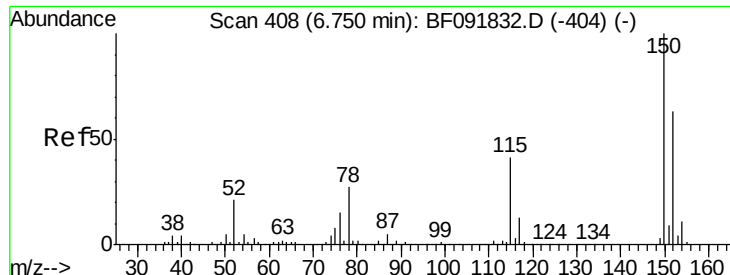
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

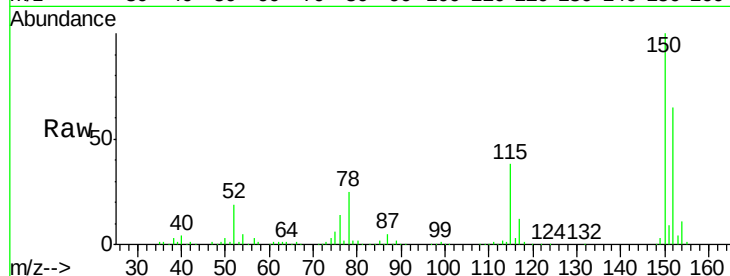
Tgt Ion:152 Resp: 262880

Ion Ratio Lower Upper

152 100

150 154.8 124.9 187.3

115 59.2 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

600000

500000

400000

300000

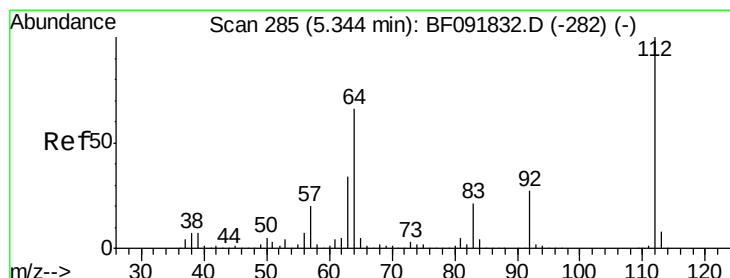
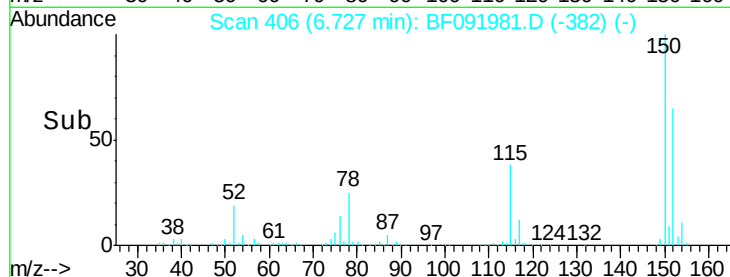
200000

100000

0

6.70 6.73 6.80

Time-->



#5

2-Fluorophenol

Concen: 67.70 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

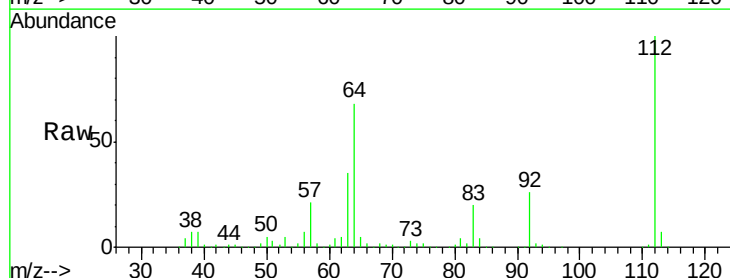
Tgt Ion:112 Resp: 1065838

Ion Ratio Lower Upper

112 100

64 68.4 46.1 69.1

63 34.7 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

800000

600000

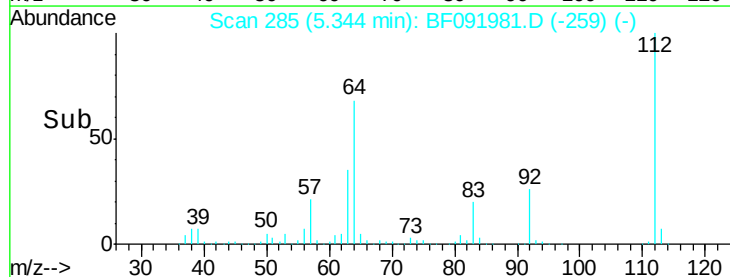
400000

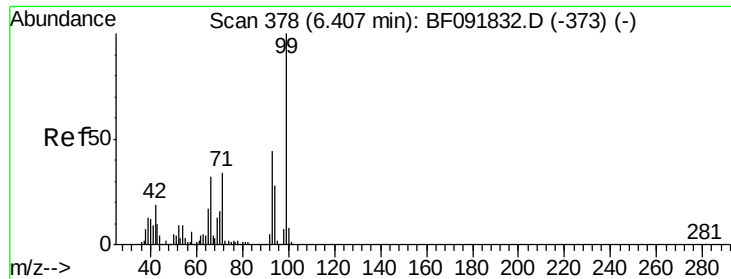
200000

0

5.20 5.34 5.60

Time-->





#7

Phenol-d6

Concen: 43.87 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

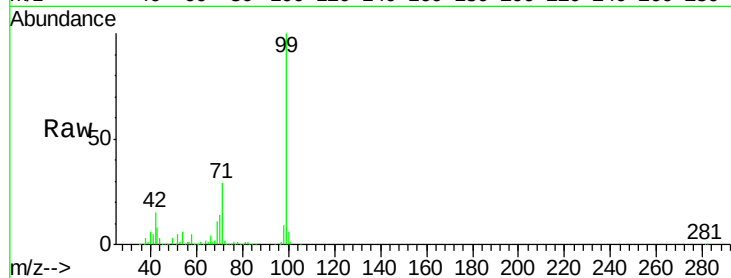
Tgt Ion: 99 Resp: 843209

Ion Ratio Lower Upper

99 100

42 14.9 15.6 23.4#

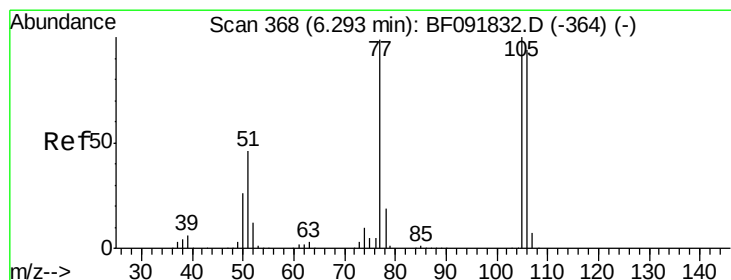
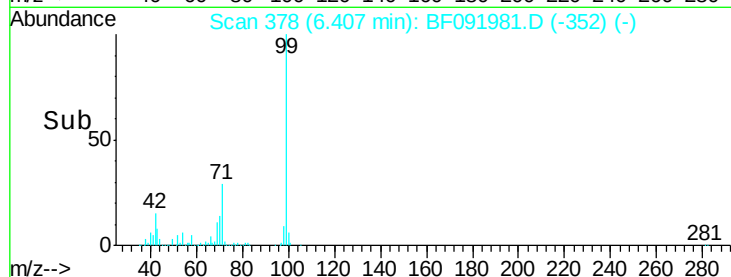
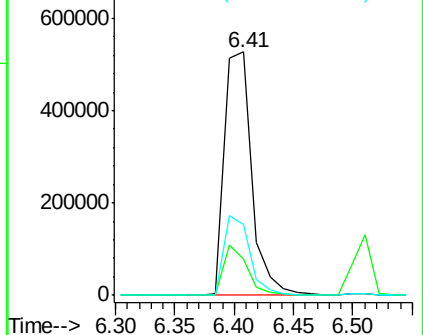
71 29.0 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.85 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.22 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

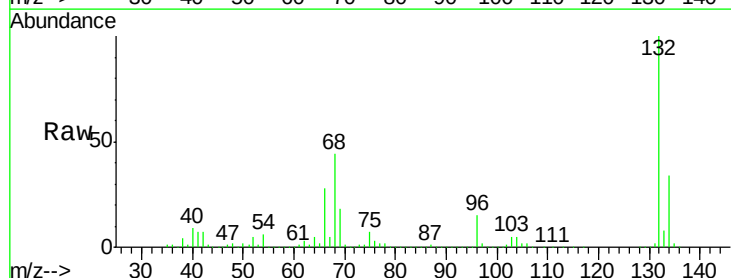
Tgt Ion: 77 Resp: 44124

Ion Ratio Lower Upper

77 100

105 77.2 83.9 123.9#

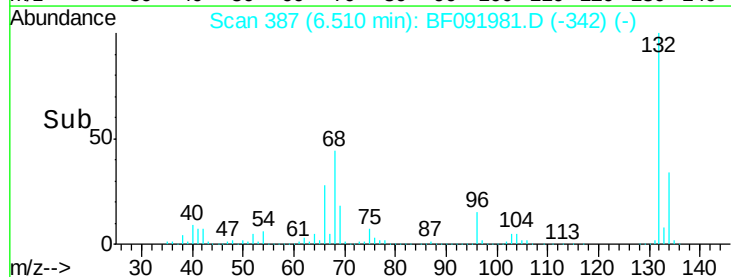
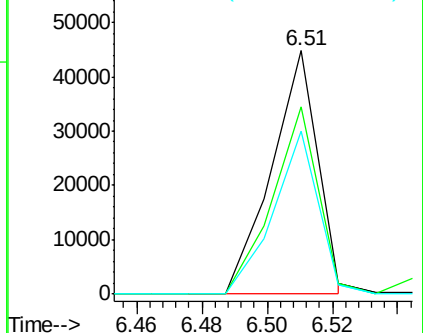
106 66.8 77.6 117.6#

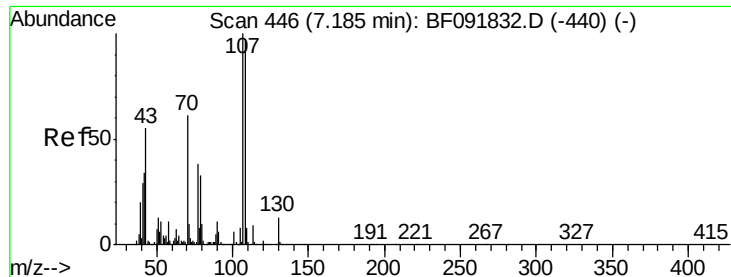


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

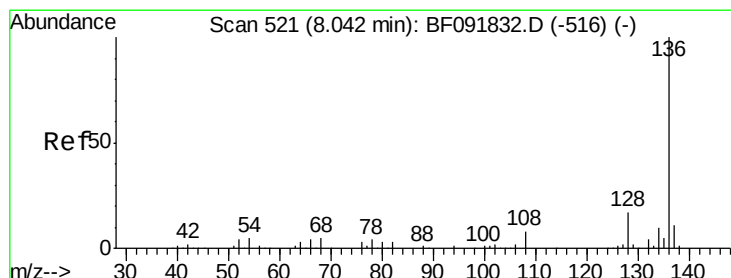
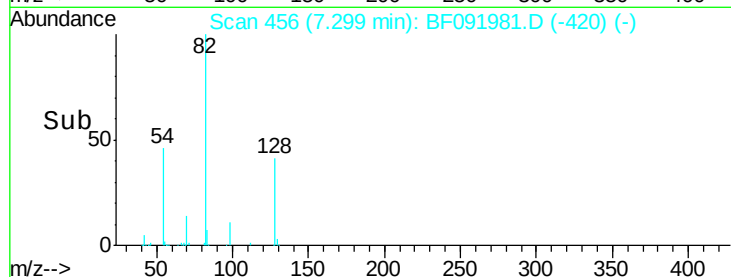
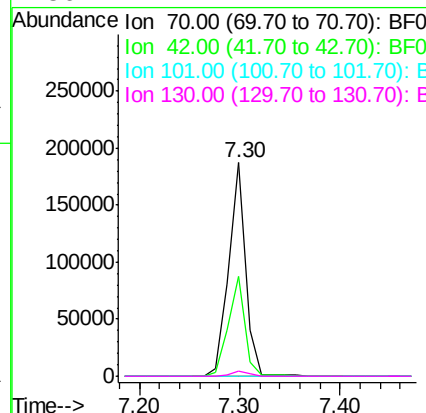
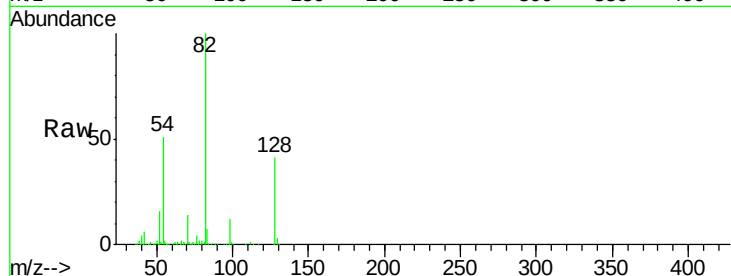




#19
n-Nitroso-di-n-propylamine
Concen: 17.17 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.11 min
Lab File: BF091981.D
Acq: 27 Dec 2016 21:32

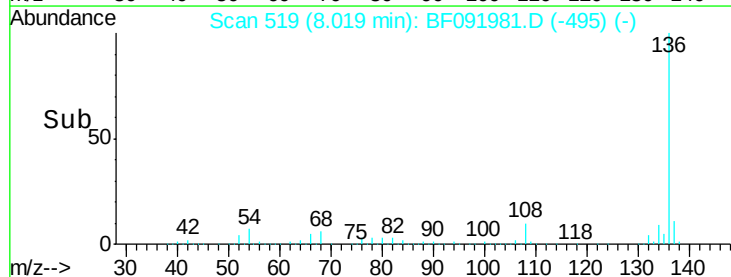
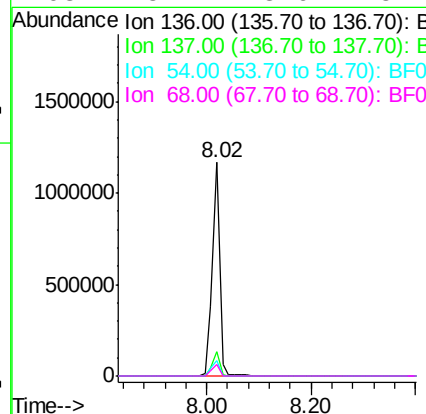
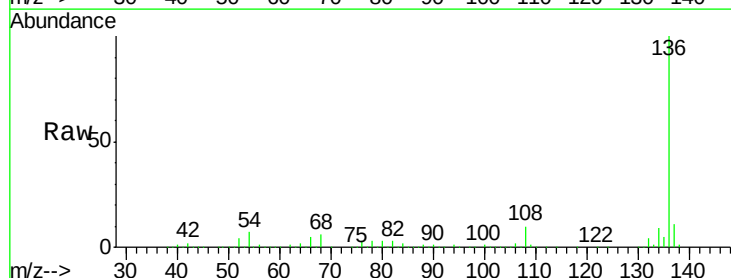
Instrument :
BNA_F
ClientSampleId :
PZ-4

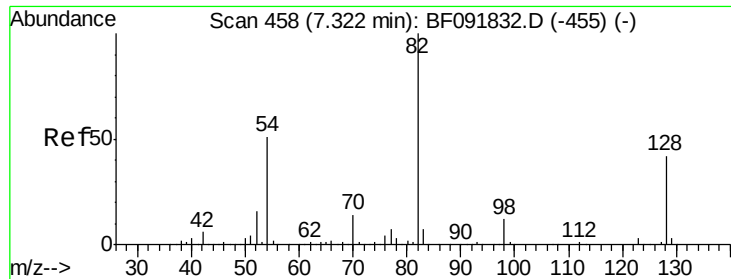
Tgt Ion: 70 Resp: 219515
Ion Ratio Lower Upper
70 100
42 47.0 49.4 74.0#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF091981.D
Acq: 27 Dec 2016 21:32

Tgt Ion: 136 Resp: 1137350
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.9 4.5 6.7#
68 5.7 3.6 5.4#

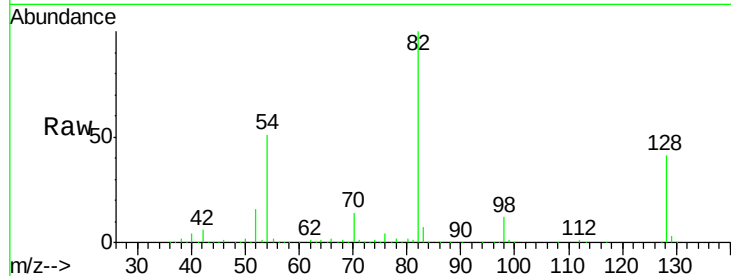




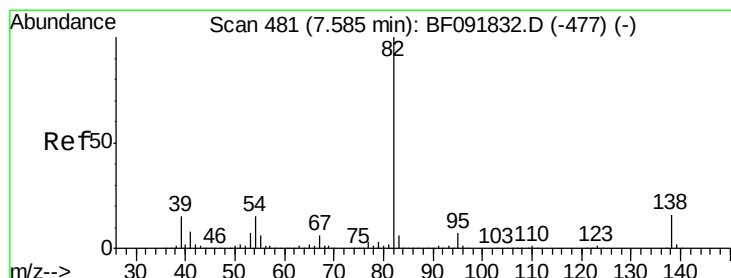
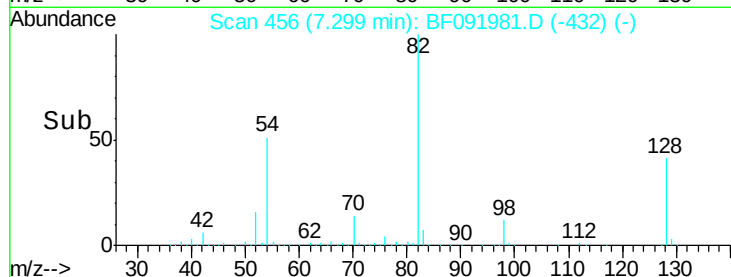
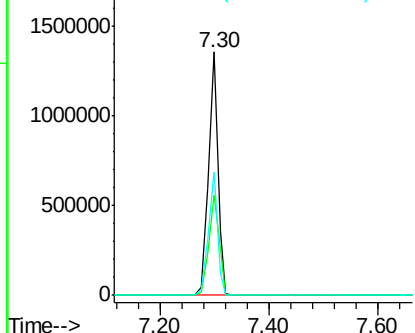
#23
 Nitrobenzene-d5
 Concen: 80.24 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF091832.D
 Acq: 27 Dec 2016 21:32

Instrument :
 BNA_F
 ClientSampled :
 PZ-4

Tgt Ion: 82 Resp: 1641180
 Ion Ratio Lower Upper
 82 100
 128 41.2 34.6 52.0
 54 50.8 39.5 59.3

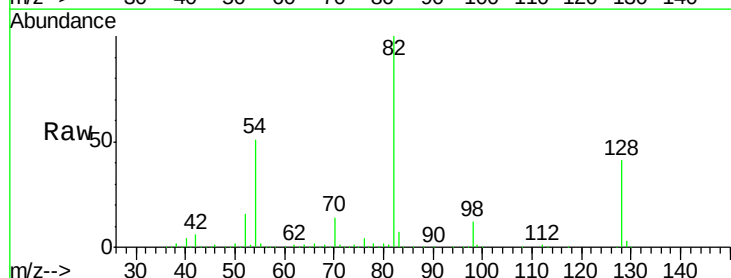


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

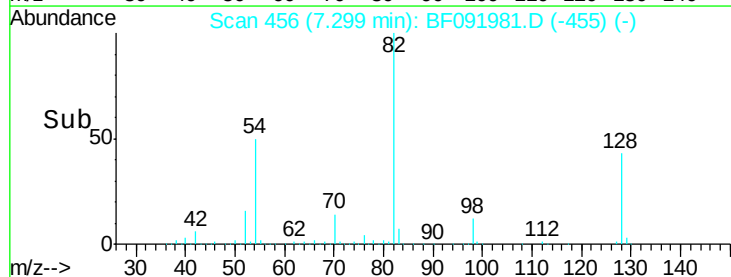
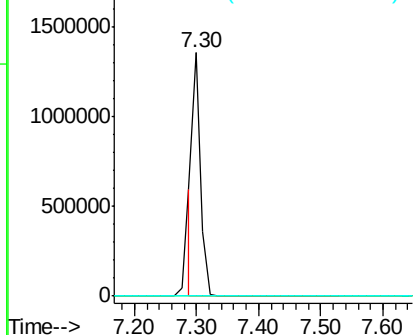


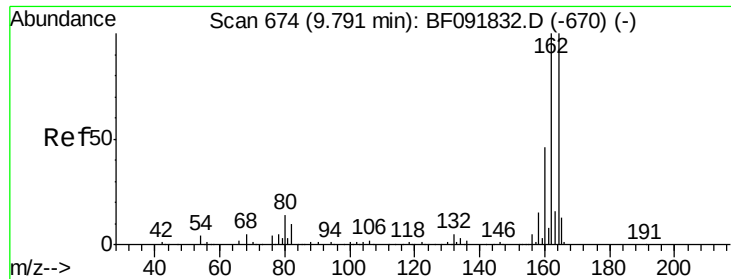
#25
 Isophorone
 Concen: 31.62 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.29 min
 Lab File: BF091832.D
 Acq: 27 Dec 2016 21:32

Tgt Ion: 82 Resp: 1193289
 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: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

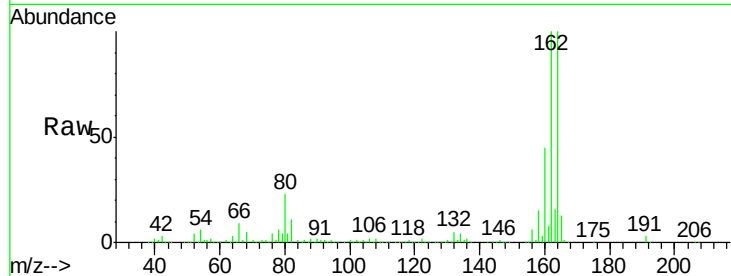
Tgt Ion:164 Resp: 459323

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

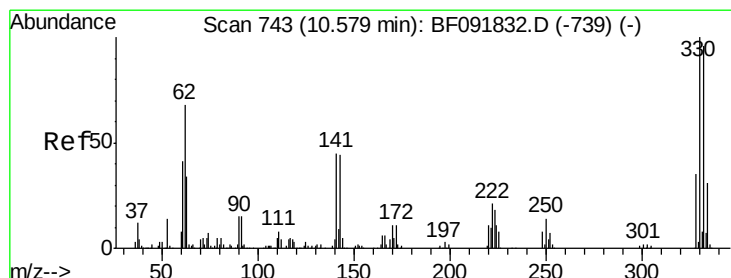
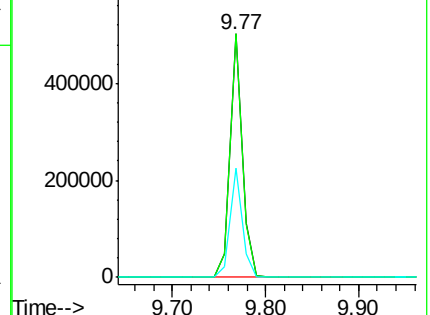
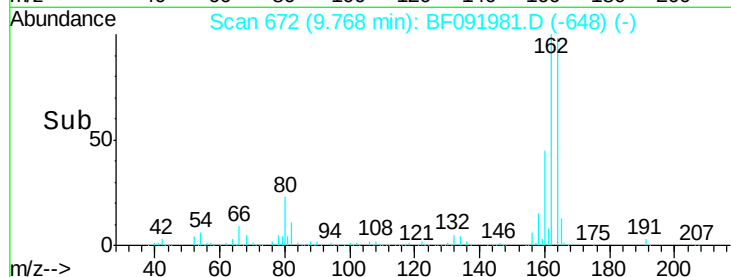
160 45.1 36.9 55.3



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: 134.78 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

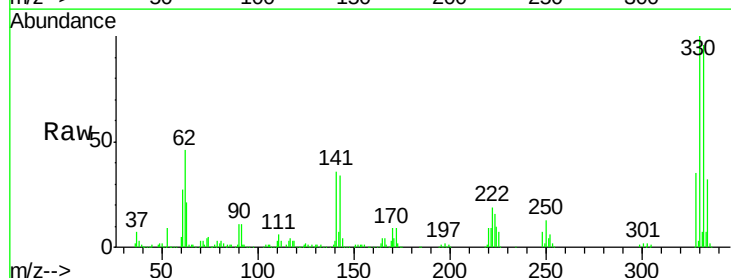
Tgt Ion:330 Resp: 512339

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

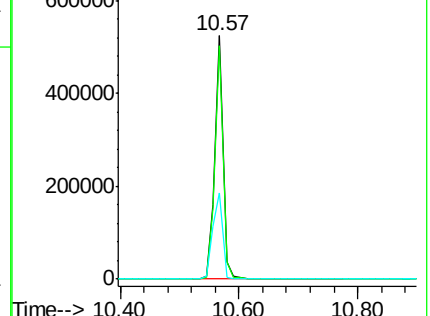
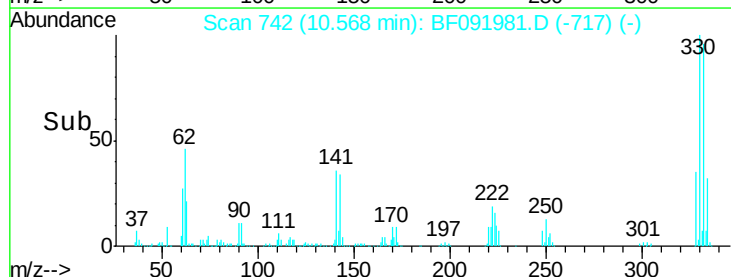
141 42.7 34.1 51.1

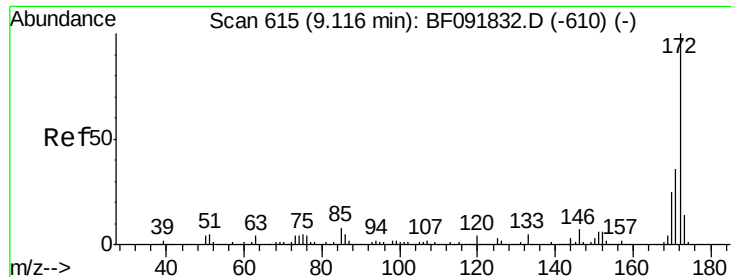


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

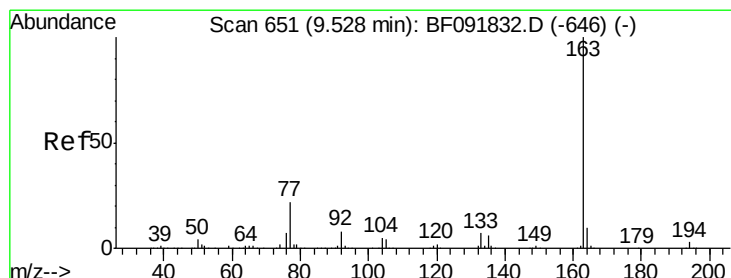
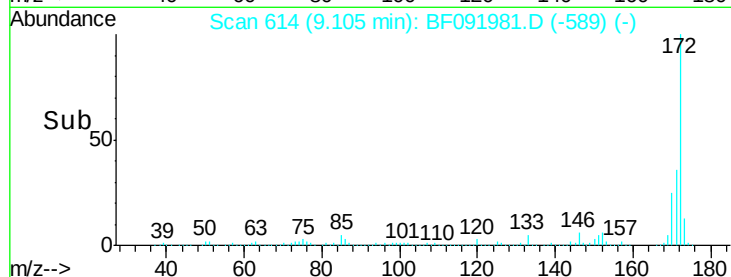
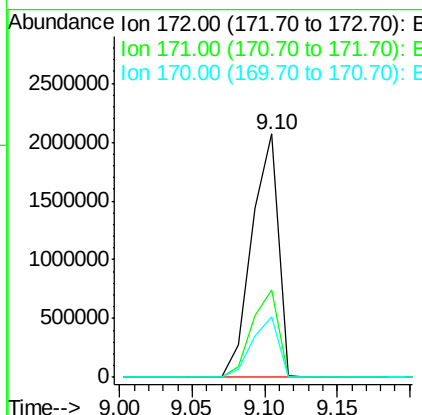
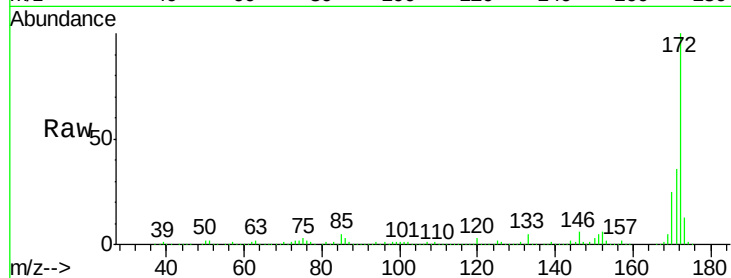




#44
 2-Fluorobiphenyl
 Concen: 122.68 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091981.D
 Acq: 27 Dec 2016 21:32

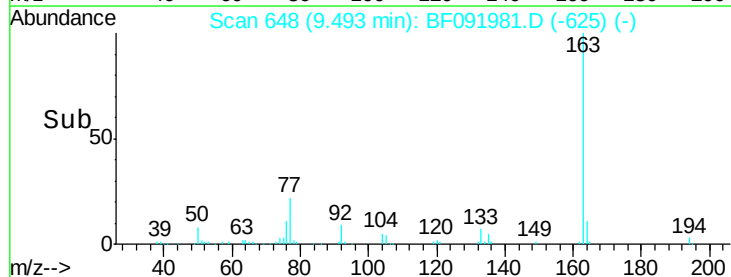
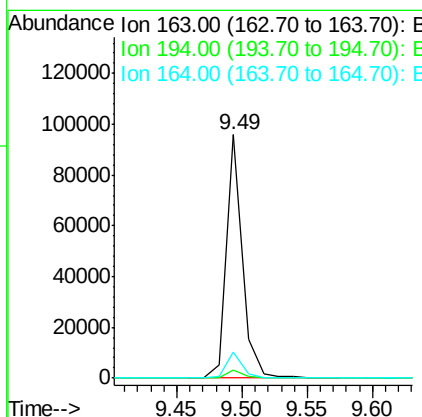
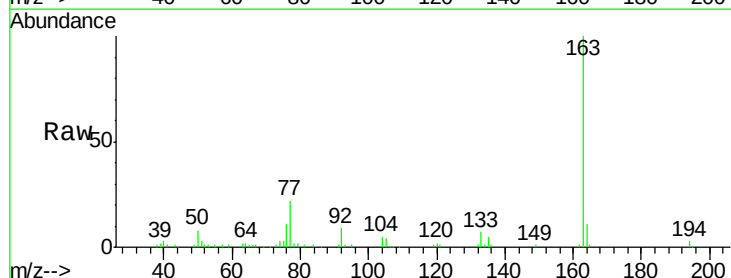
Instrument :
 BNA_F
 ClientSampleId :
 PZ-4

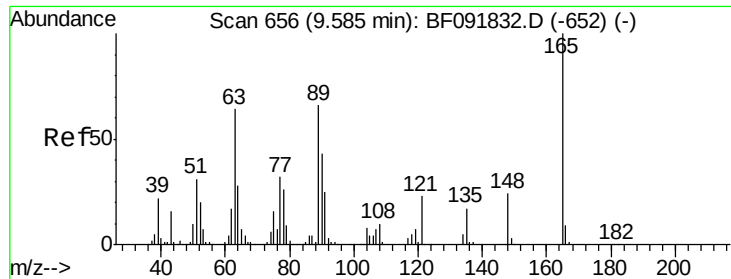
Tgt Ion:172 Resp: 2622058
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.7 20.2 30.4



#49
 Dimethylphthalate
 Concen: 2.79 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.03 min
 Lab File: BF091981.D
 Acq: 27 Dec 2016 21:32

Tgt Ion:163 Resp: 81961
 Ion Ratio Lower Upper
 163 100
 194 3.1 3.0 4.4
 164 10.7 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 9.29 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.18 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

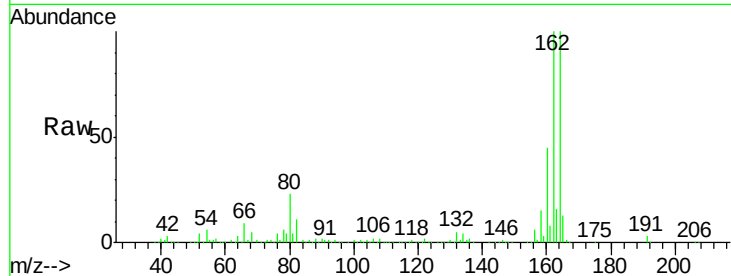
Tgt Ion:165 Resp: 59738

Ion Ratio Lower Upper

165 100

63 1.0 36.2 54.4#

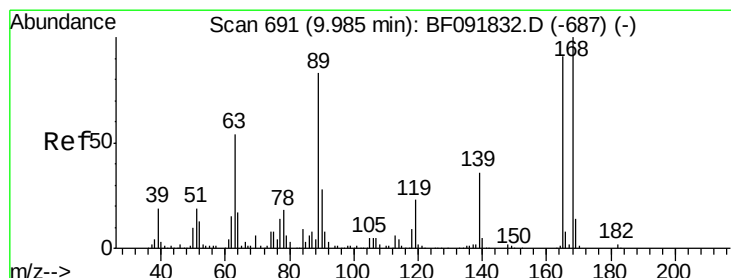
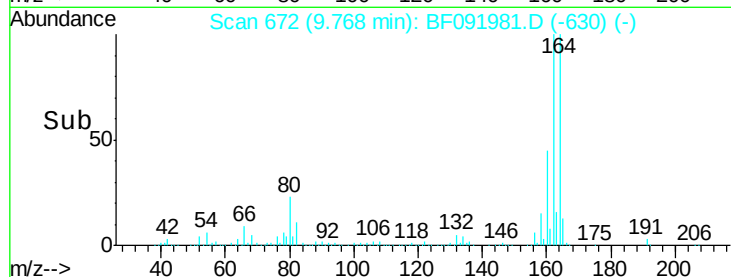
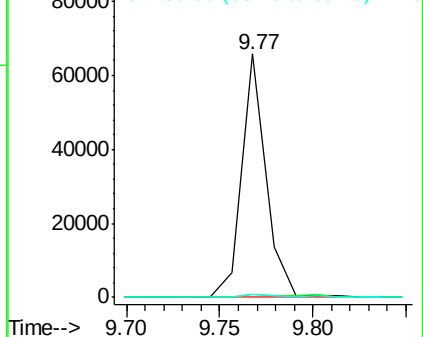
89 1.4 40.2 60.4#



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: 7.40 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.22 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Tgt Ion:165 Resp: 59744

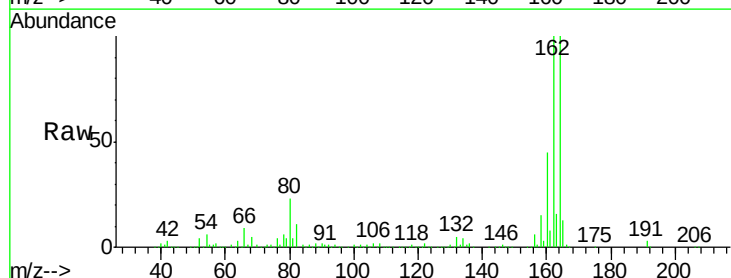
Ion Ratio Lower Upper

165 100

63 1.0 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

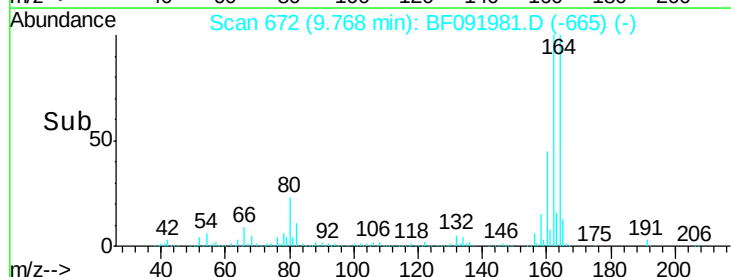
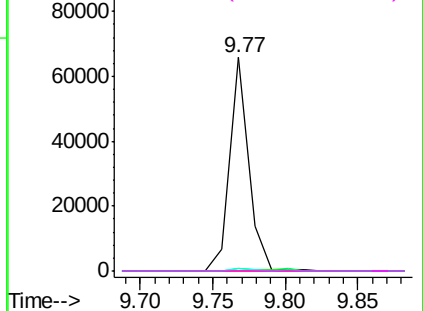


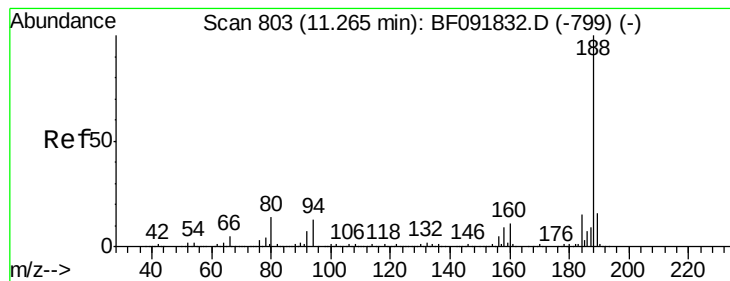
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampled :

PZ-4

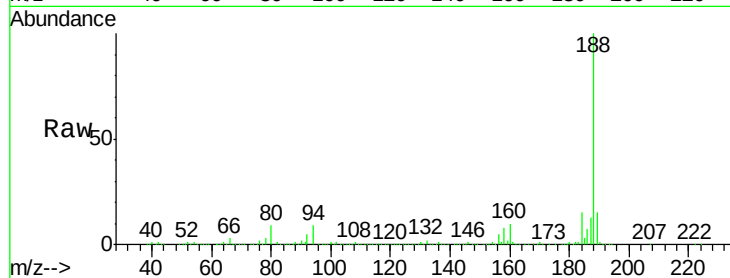
Tgt Ion:188 Resp: 766243

Ion Ratio Lower Upper

188 100

94 8.9 10.0 15.0#

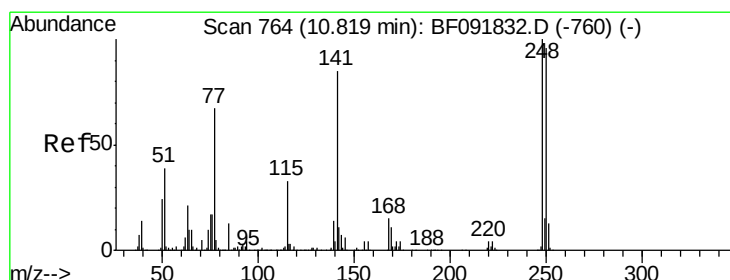
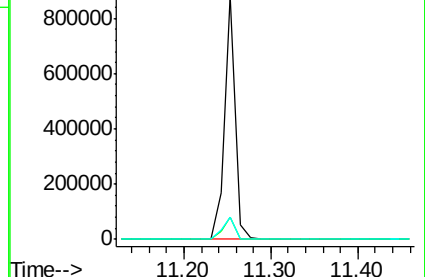
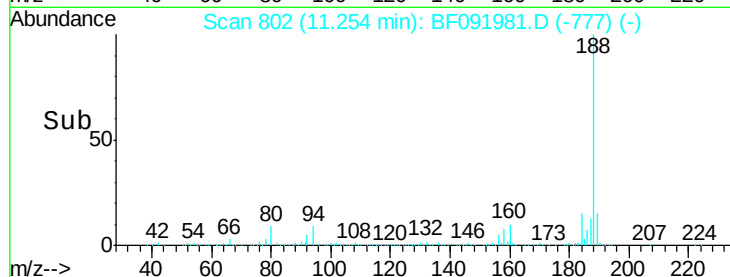
80 9.3 11.2 16.8#



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: 4.44 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

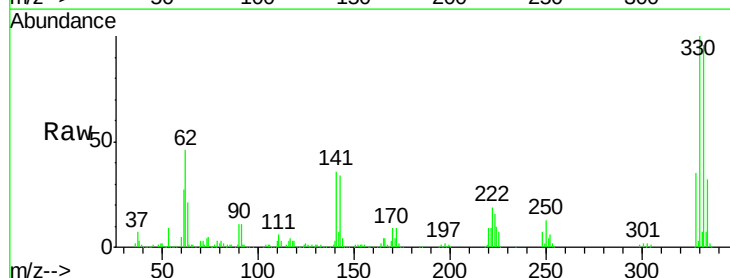
Tgt Ion:248 Resp: 35398

Ion Ratio Lower Upper

248 100

250 195.7 76.9 115.3#

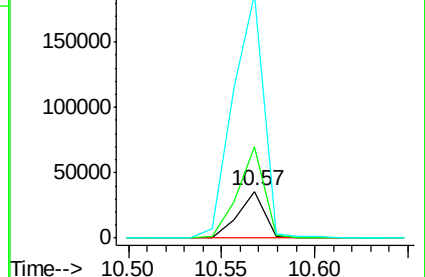
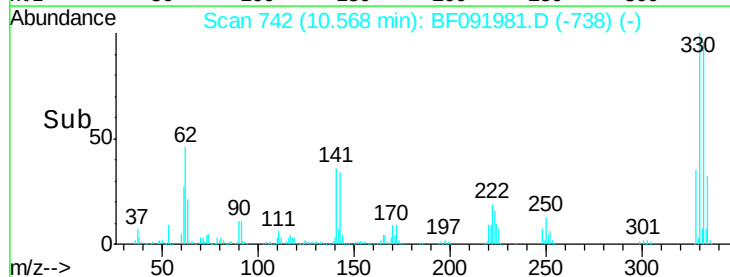
141 523.5 68.2 102.4#

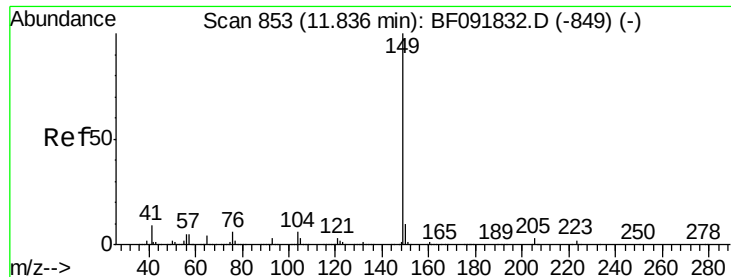


Abundance Ion 248.00 (247.70 to 248.70): E

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: 11.83 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

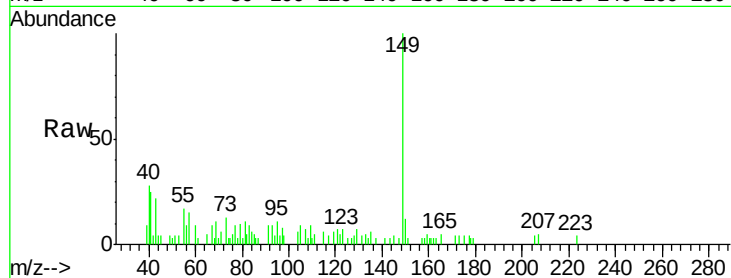
Tgt Ion:149 Resp: 9621

Ion Ratio Lower Upper

149 100

150 12.2 8.1 12.1#

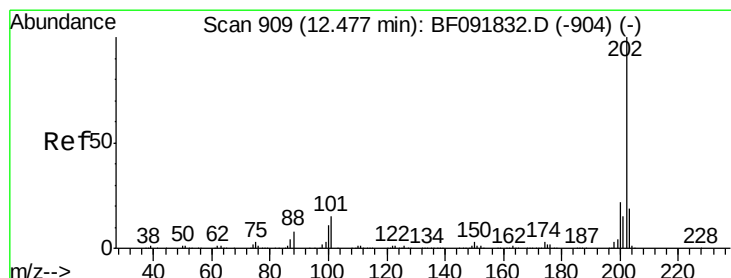
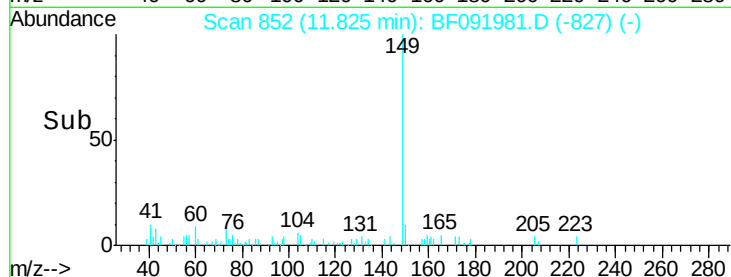
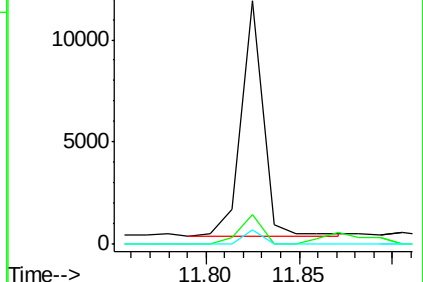
104 6.2 4.6 7.0



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: 12.58 min Scan# 918

Delta R.T. 0.10 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

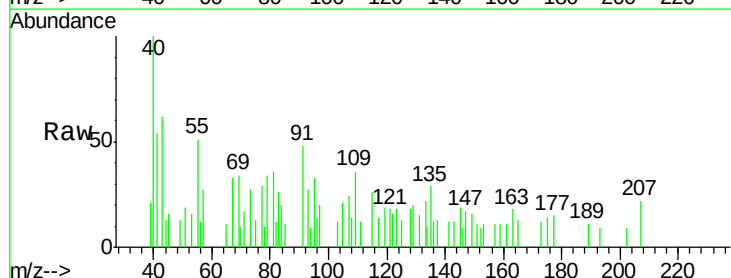
Tgt Ion:202 Resp: 206

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

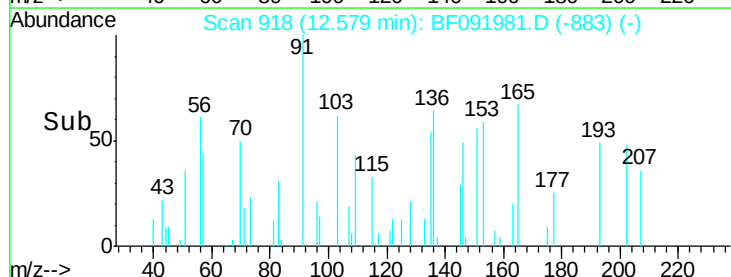
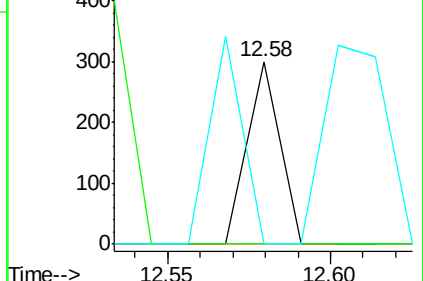
203 0.0 0.0 38.7

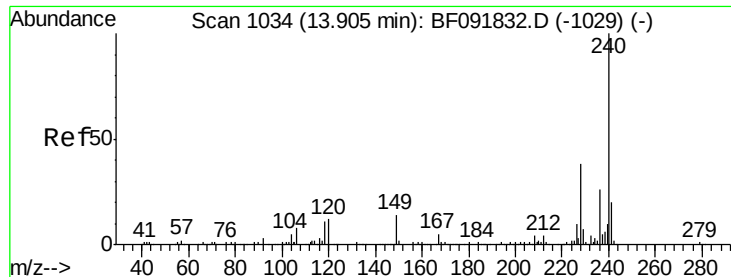


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

Instrument :

BNA_F

ClientSampleId :

PZ-4

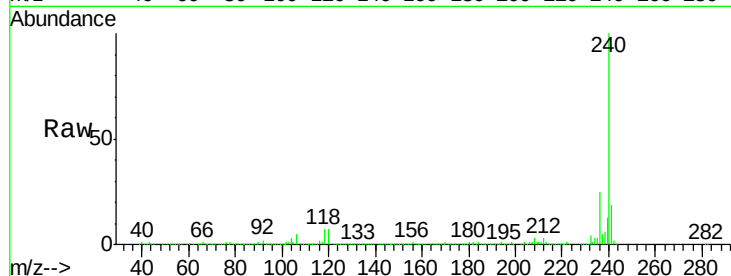
Tgt Ion:240 Resp: 590135

Ion Ratio Lower Upper

240 100

120 7.4 12.9 19.3#

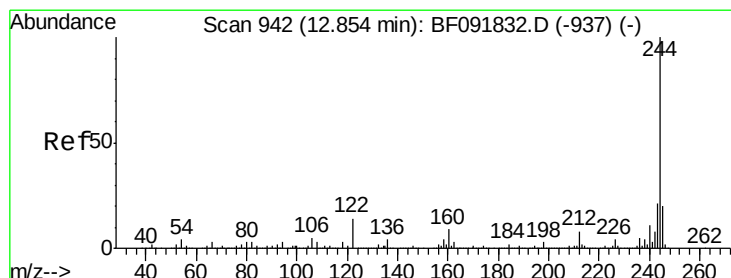
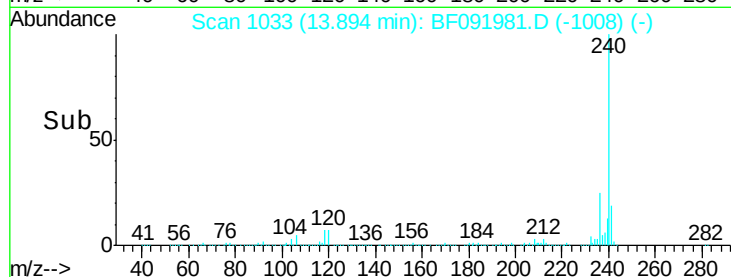
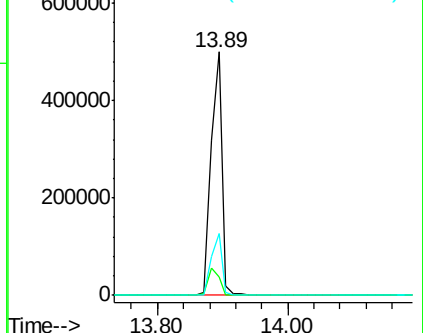
236 25.4 20.9 31.3



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: 87.24 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091981.D

Acq: 27 Dec 2016 21:32

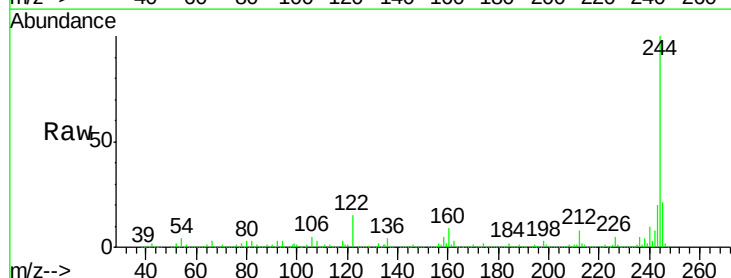
Tgt Ion:244 Resp: 2122752

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

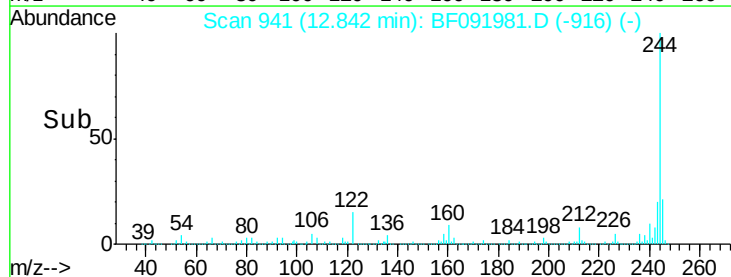
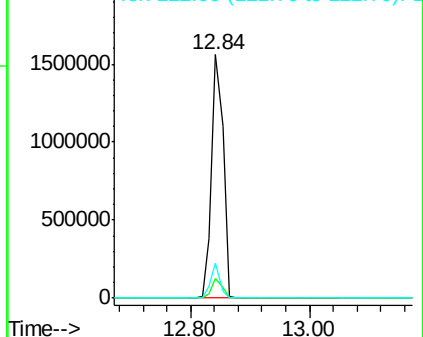
122 14.6 11.4 17.2

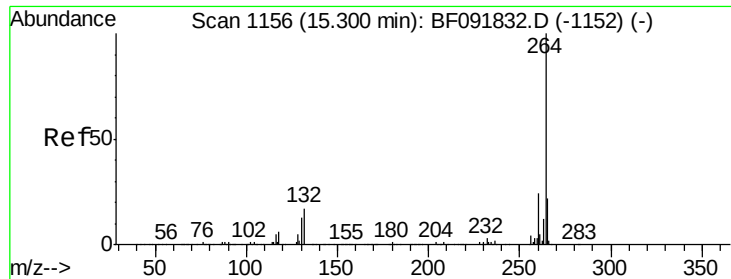


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091981.D
Acq: 27 Dec 2016 21:32

Instrument :
BNA_F
ClientSampleId :
PZ-4

Tgt Ion: 264 Resp: 447766
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.0 17.4 26.0

