

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091061.D
 Acq On : 7 Nov 2016 17:38
 Operator : UM/SJ
 Sample : H5539-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF017-01

Quant Time: Nov 07 23:56:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

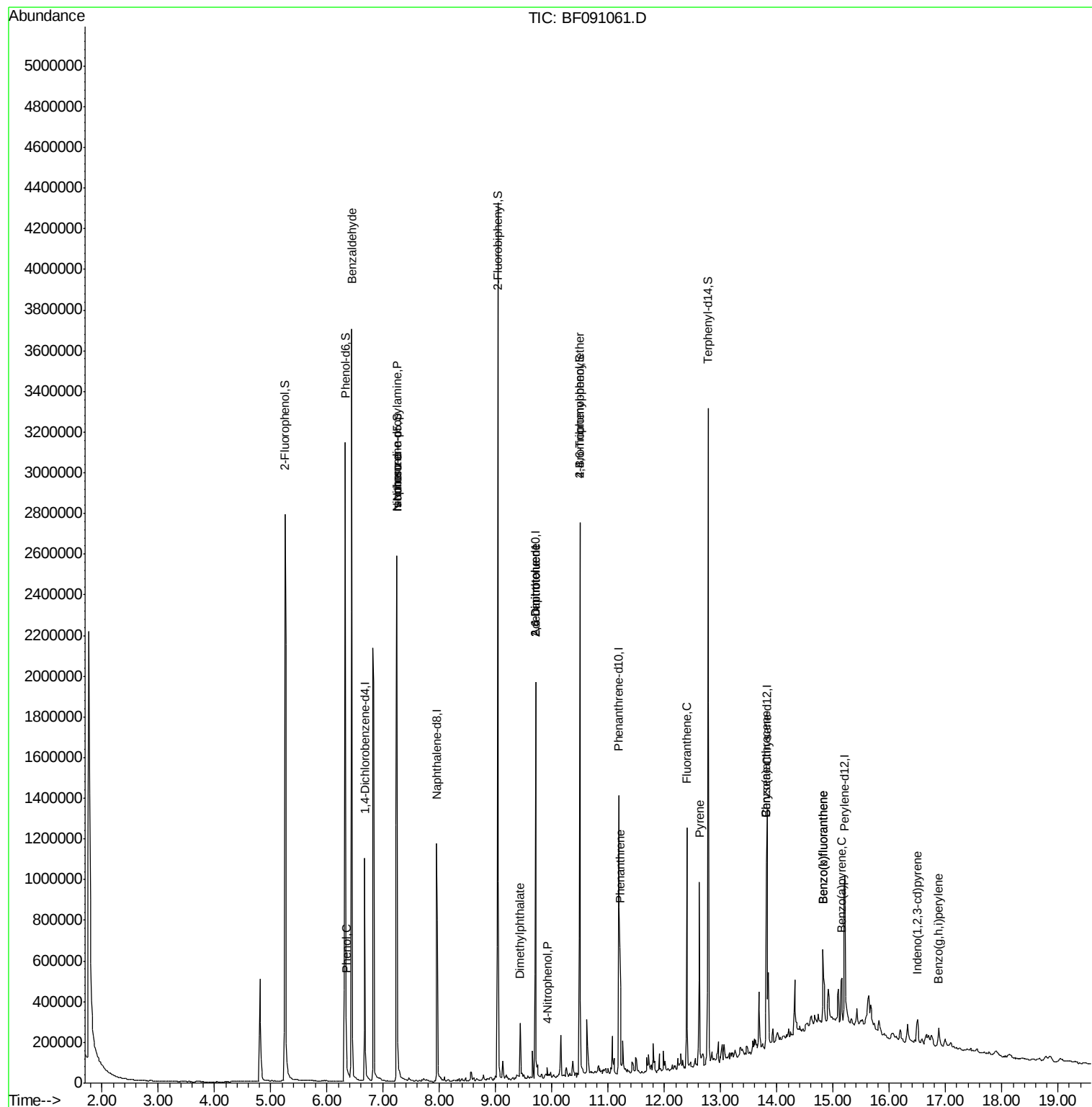
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	187729	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	723214	20.00	ng	-0.05
38) Acenaphthene-d10	9.71	164	408322	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	594273	20.00	ng	-0.05
75) Chrysene-d12	13.83	240	408858	20.00	ng	-0.03
86) Perylene-d12	15.21	264	367865	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1164693	102.46	ng	-0.03
7) Phenol-d6	6.33	99	1701247	110.27	ng	-0.02
23) Nitrobenzene-d5	7.24	82	1086932	81.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	337833	91.52	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1420090	59.88	ng	-0.03
78) Terphenyl-d14	12.77	244	1237700	75.54	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	29395	3.43	ng	91
10) Phenol	6.34	94	93640	5.48	ng	# 53
19) n-Nitroso-di-n-propylamine	7.24	70	151550	14.17	ng	# 76
25) Isophorone	7.24	82	1064967	41.69	ng	# 67
49) Dimethylphthalate	9.44	163	97602	3.65	ng	98
50) 2,6-Dinitrotoluene	9.71	165	53737	9.37	ng	# 11
55) 4-Nitrophenol	9.92	139	4663	6.69	ng	# 8
56) 2,4-Dinitrotoluene	9.71	165	54501	7.47	ng	# 26
66) 4-Bromophenyl-phenylether	10.50	248	23878	3.86	ng	# 1
70) Phenanthrene	11.21	178	277035	8.77	ng	99
74) Fluoranthene	12.40	202	440277	13.44	ng	96
77) Pyrene	12.63	202	369134	13.79	ng	98
80) Benzo(a)anthracene	13.81	228	188347	8.11	ng	99
82) Chrysene	13.81	228	188347	8.23	ng	96
85) Indeno(1,2,3-cd)pyrene	16.50	276	81802	4.31	ng	# 90
87) Benzo(b)fluoranthene	14.82	252	241453	9.68	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	241453	11.03	ng	99
89) Benzo(a)pyrene	15.15	252	124870	5.75	ng	# 97
91) Benzo(g,h,i)perylene	16.88	276	75442	4.44	ng	98

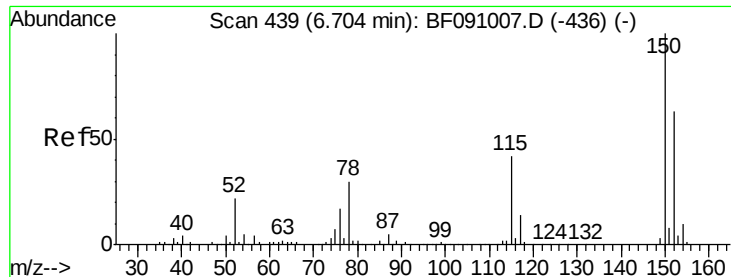
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

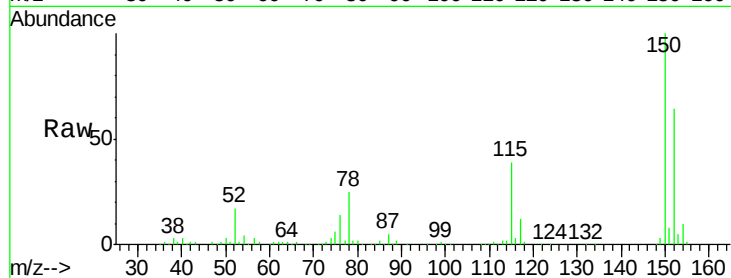
Tgt Ion:152 Resp: 187729

Ion Ratio Lower Upper

152 100

150 156.1 126.8 190.2

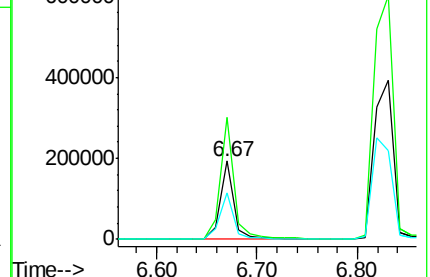
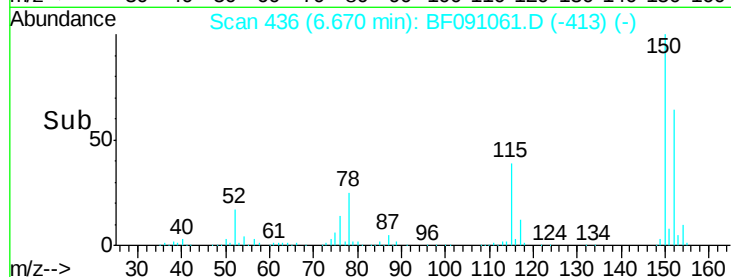
115 60.1 53.3 79.9



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: 102.46 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

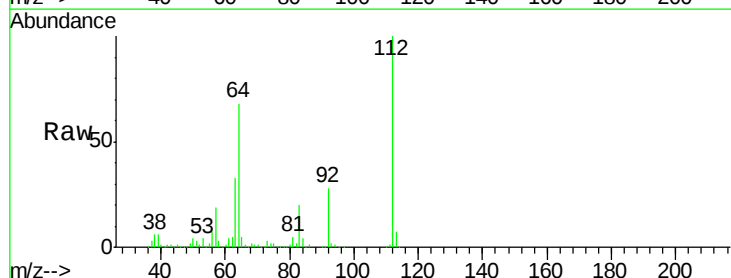
Tgt Ion:112 Resp: 1164693

Ion Ratio Lower Upper

112 100

64 68.4 55.8 83.6

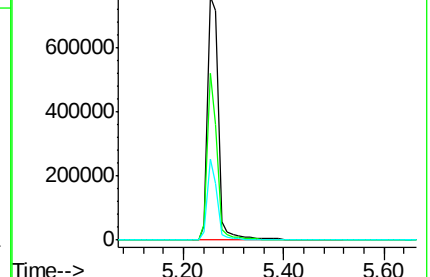
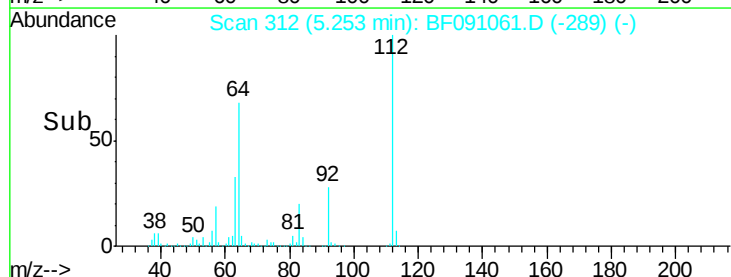
63 33.5 28.0 42.0



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: 110.27 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

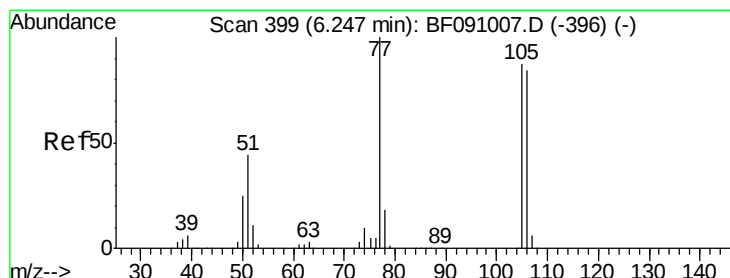
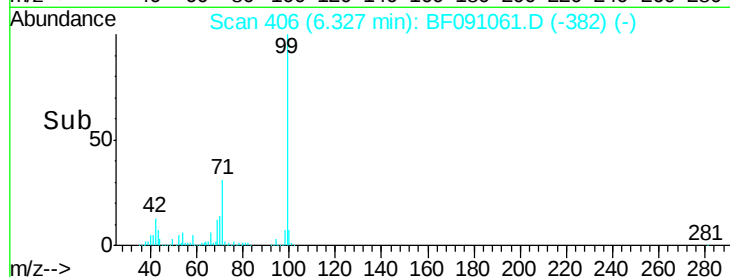
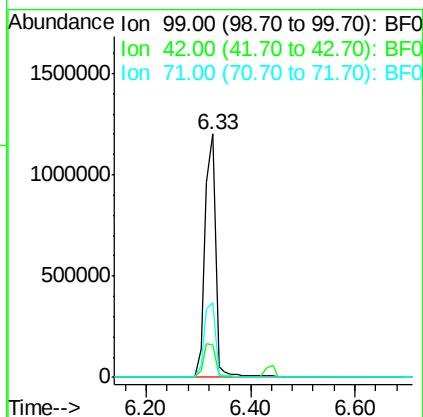
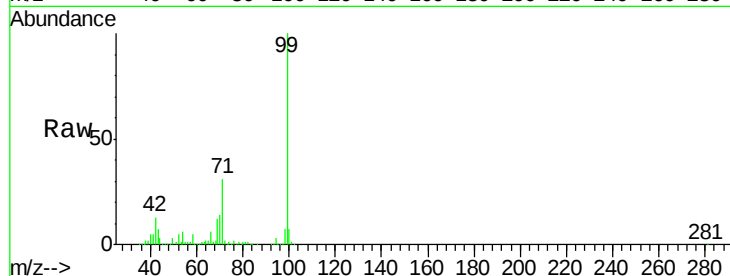
BNA_F

ClientSampleId :

V001-BF017-01

Tgt Ion: 99 Resp: 1701247

Ion	Ratio	Lower	Upper
99	100		
42	13.1	13.9	20.9#
71	30.7	27.8	41.8



#9

Benzaldehyde

Concen: 3.43 ng

RT: 6.44 min Scan# 416

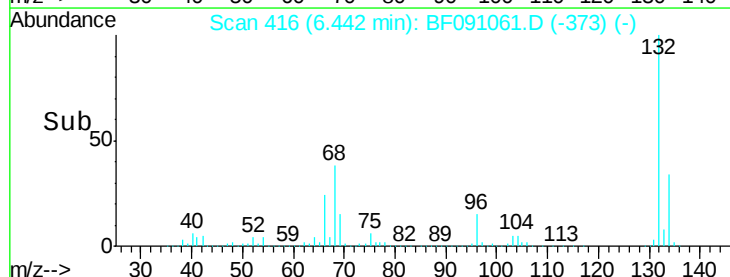
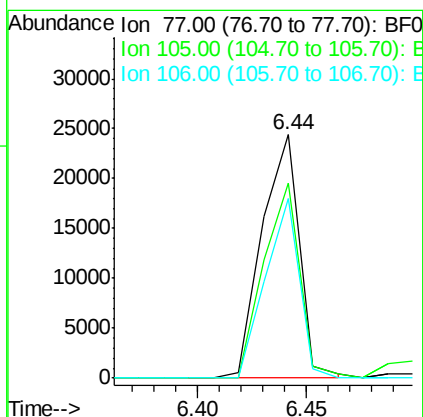
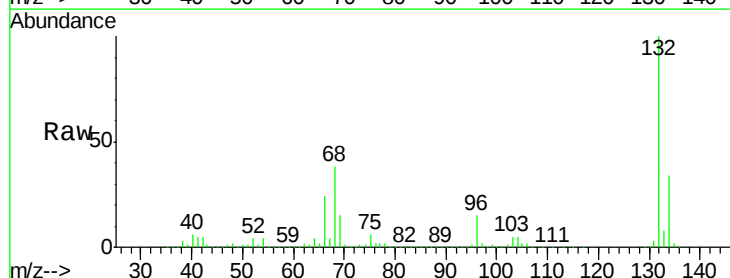
Delta R.T. 0.19 min

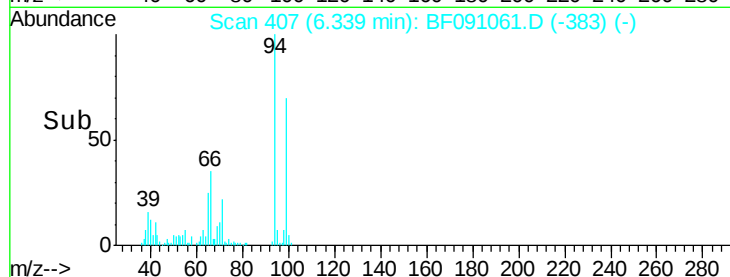
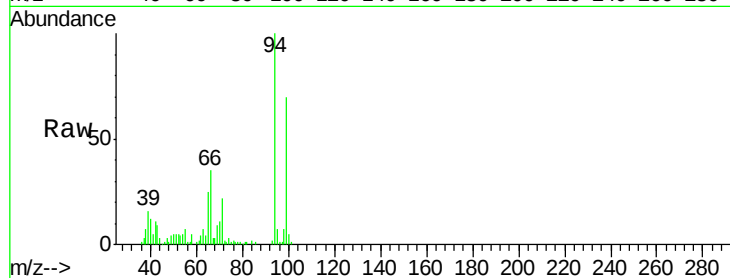
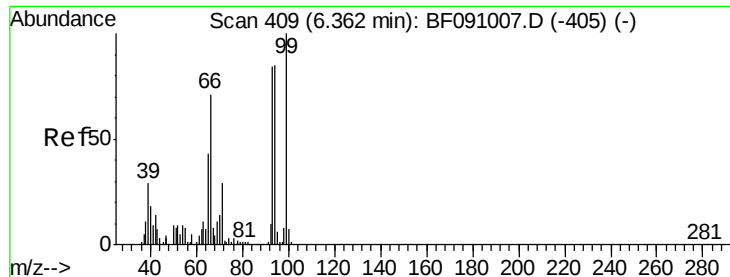
Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Tgt Ion: 77 Resp: 29395

Ion	Ratio	Lower	Upper
77	100		
105	80.2	66.8	106.8
106	74.0	64.0	104.0





#10

Phenol

Concen: 5.48 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

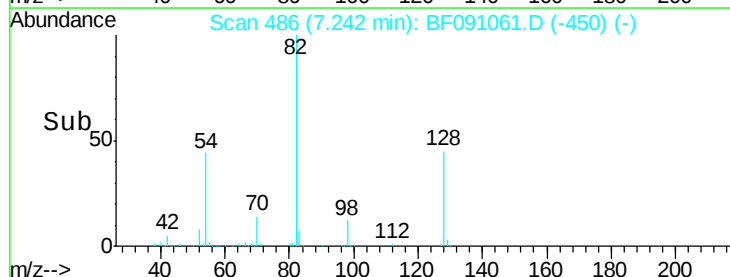
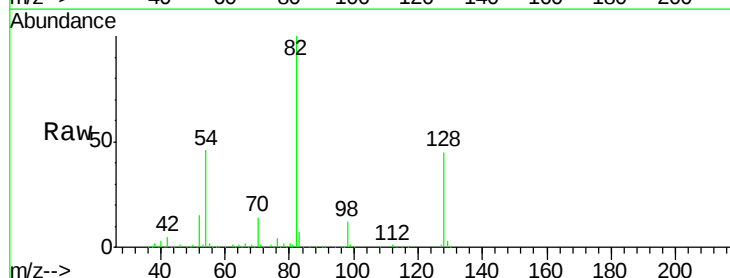
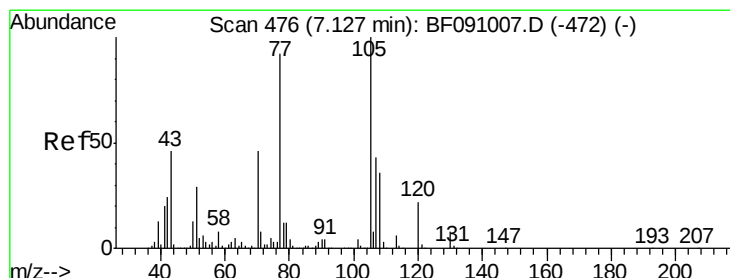
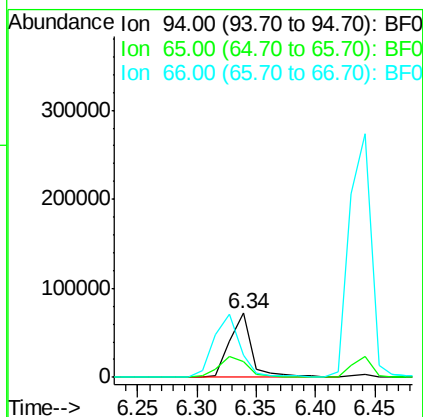
Tgt Ion: 94 Resp: 93640

Ion Ratio Lower Upper

94 100

65 25.3 30.4 70.4#

66 34.7 62.9 102.9#



#19

n-Nitroso-di-n-propylamine

Concen: 14.17 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Tgt Ion: 70 Resp: 151550

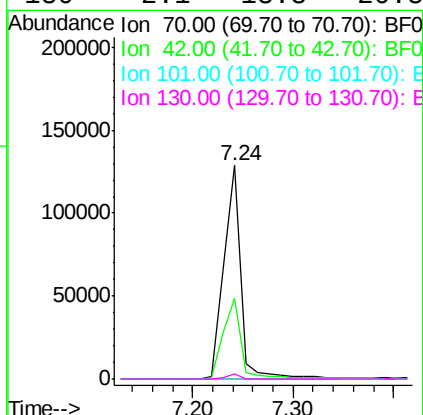
Ion Ratio Lower Upper

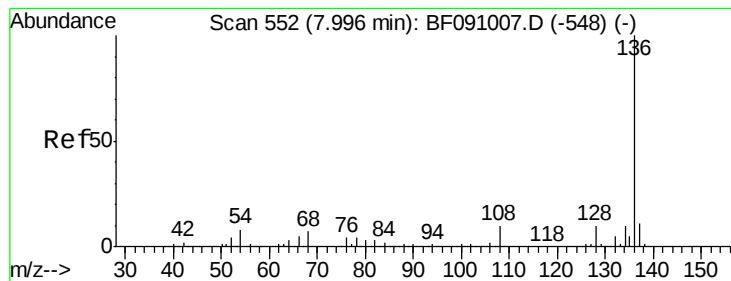
70 100

42 37.7 41.7 62.5#

101 0.0 6.7 10.1#

130 2.1 13.8 20.8#

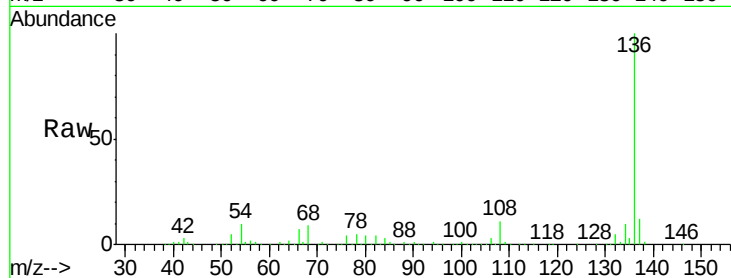




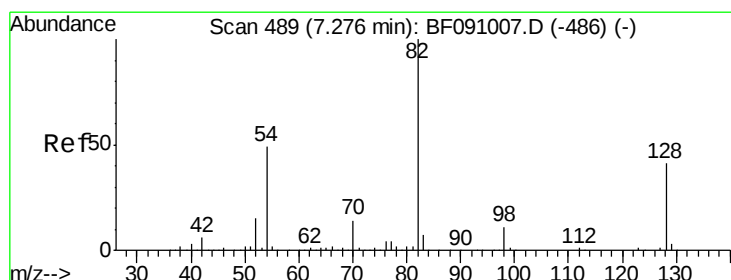
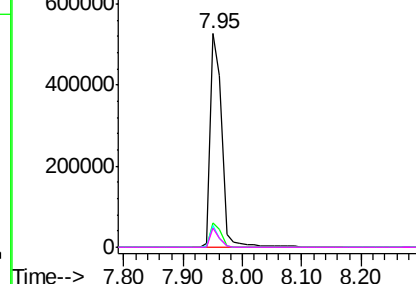
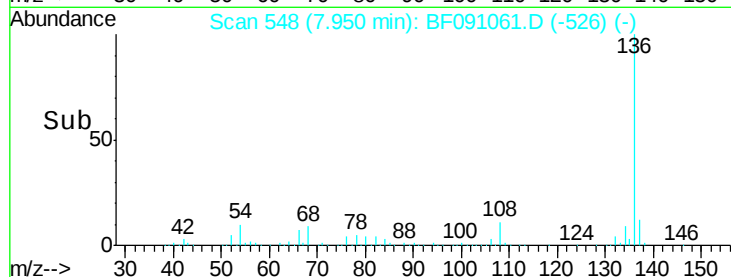
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Tgt Ion:	136	Resp:	723214
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.4	6.2	9.2#
68	8.8	5.5	8.3#

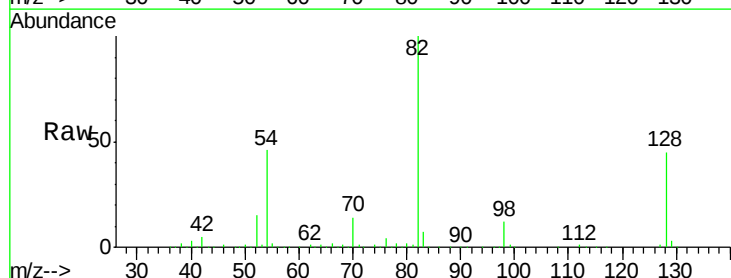


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

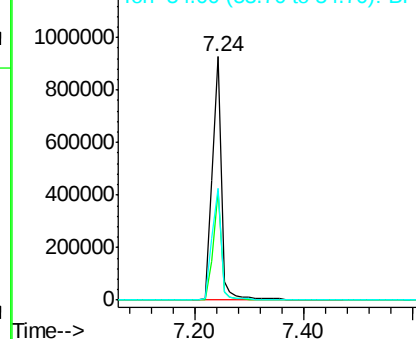
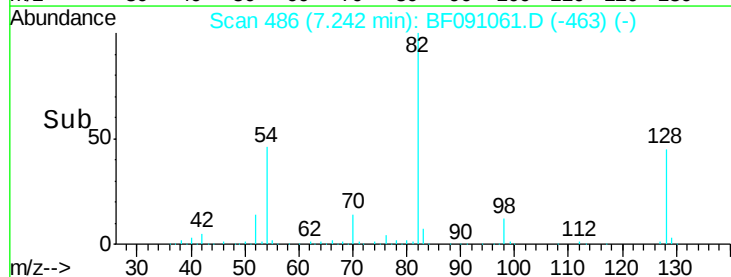


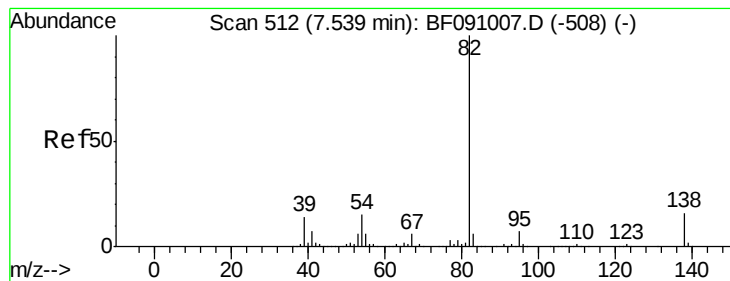
#23
Nitrobenzene-d5
Concen: 81.99 ng
RT: 7.24 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF091061.D
Acq: 7 Nov 2016 17:38

Tgt Ion:	82	Resp:	1086932
Ion	Ratio	Lower	Upper
82	100		
128	44.8	32.4	48.6
54	45.7	39.2	58.8



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: 41.69 ng

RT: 7.24 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

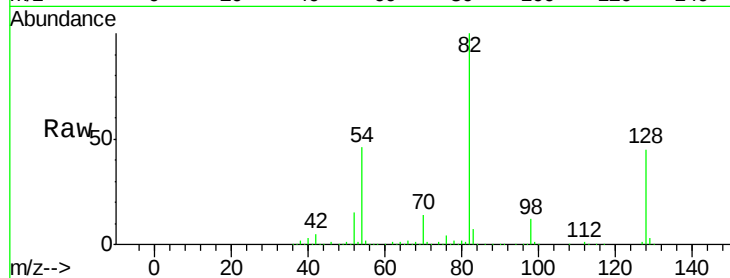
Tgt Ion: 82 Resp: 1064967

Ion Ratio Lower Upper

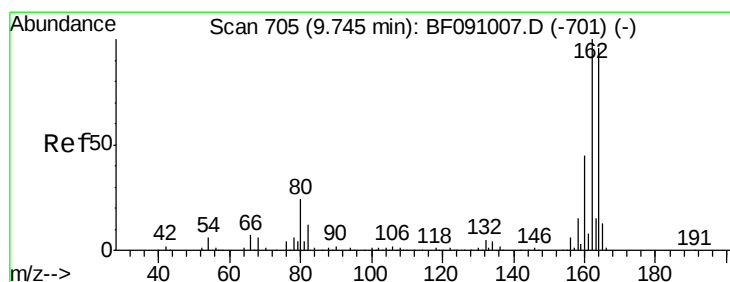
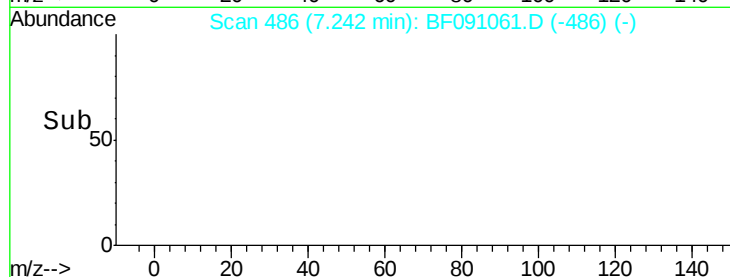
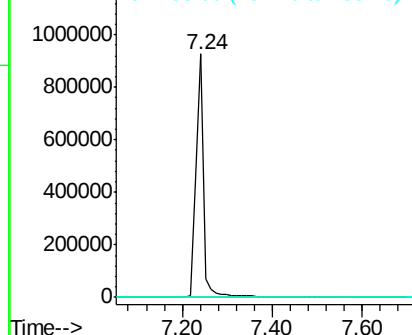
82 100

95 0.0 5.4 8.0#

138 0.0 13.0 19.4#



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: 9.71 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

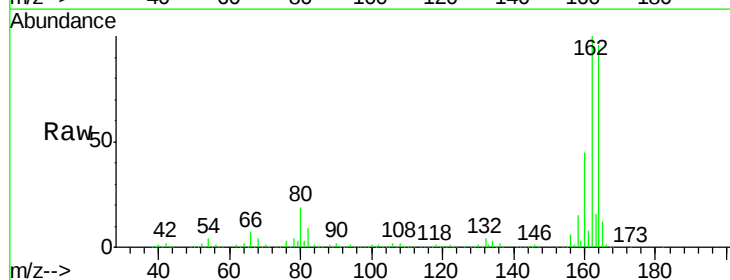
Tgt Ion: 164 Resp: 408322

Ion Ratio Lower Upper

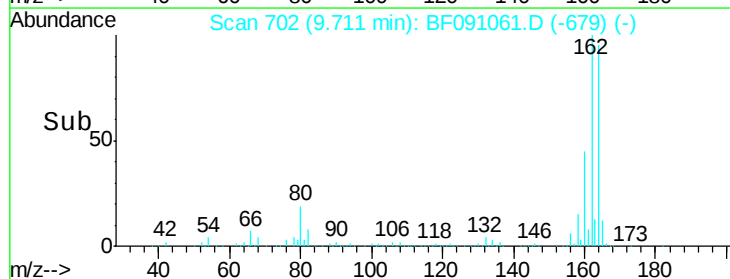
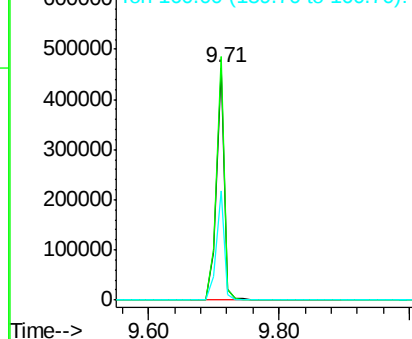
164 100

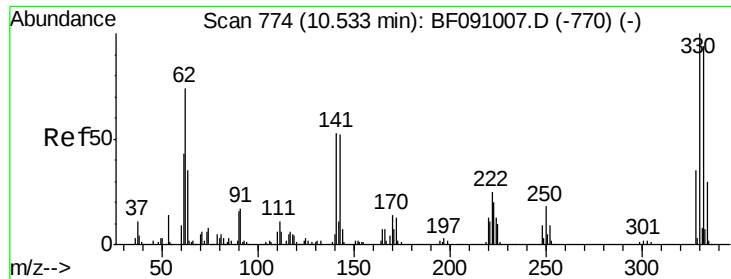
162 104.7 83.6 125.4

160 47.2 37.9 56.9



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

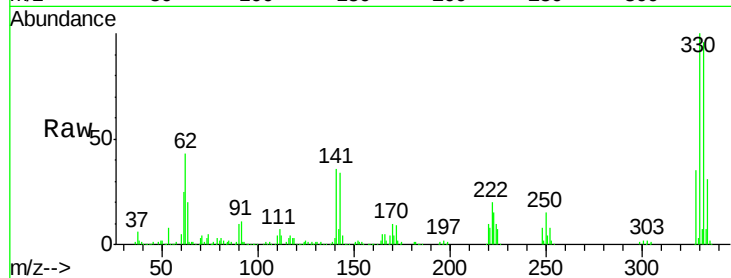




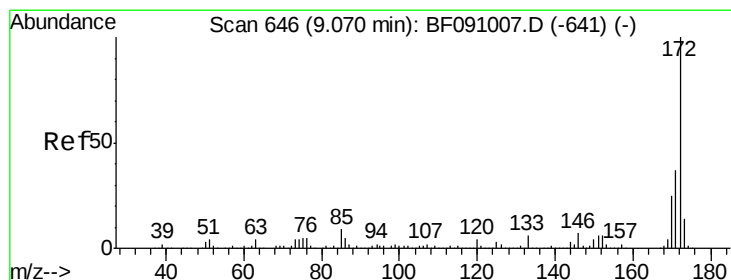
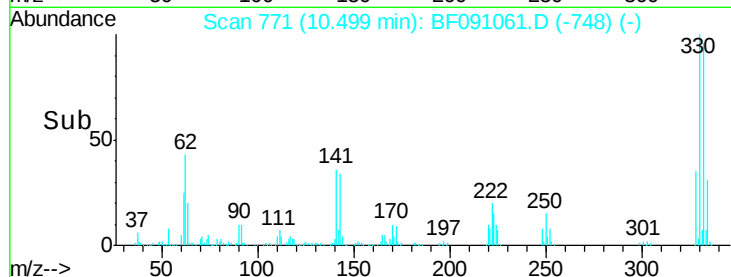
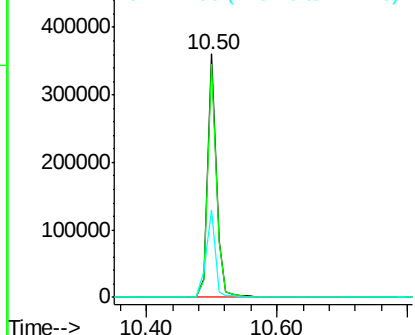
#41
 2,4,6-Tribromophenol
 Concen: 91.52 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091061.D
 Acq: 7 Nov 2016 17:38

Instrument :
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 V001-BF017-01

Tgt Ion:330 Resp: 337833
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.9 113.9
 141 38.0 36.1 54.1

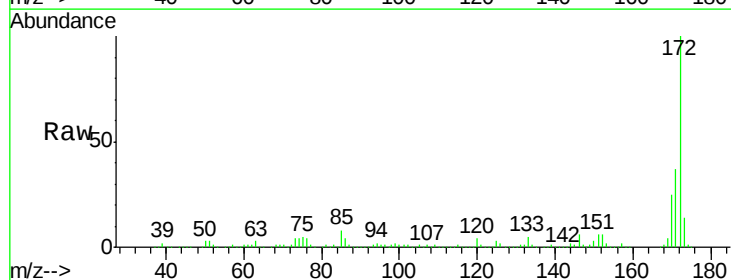


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

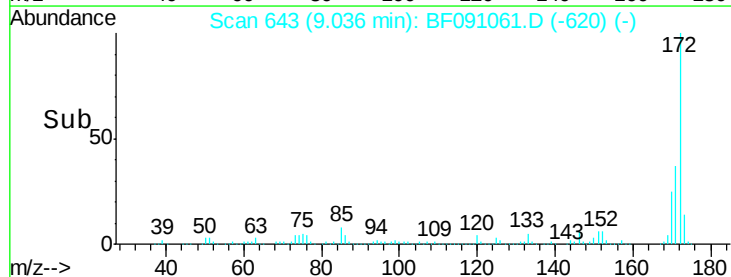
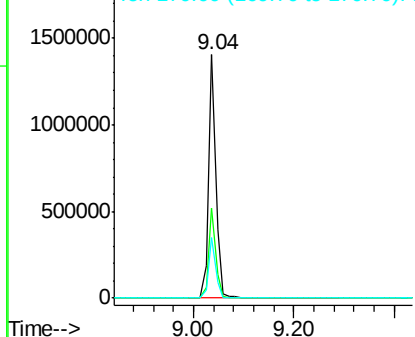


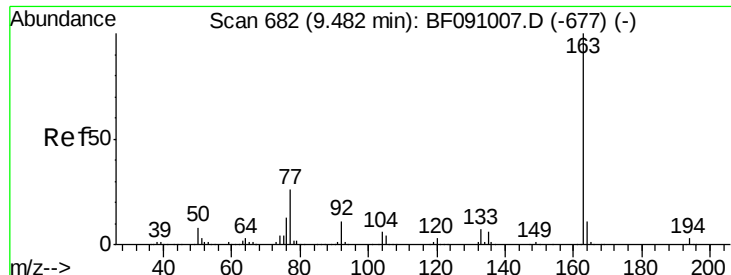
#44
 2-Fluorobiphenyl
 Concen: 59.88 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091061.D
 Acq: 7 Nov 2016 17:38

Tgt Ion:172 Resp: 1420090
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.8 44.6
 170 25.0 20.3 30.5



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: 3.65 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

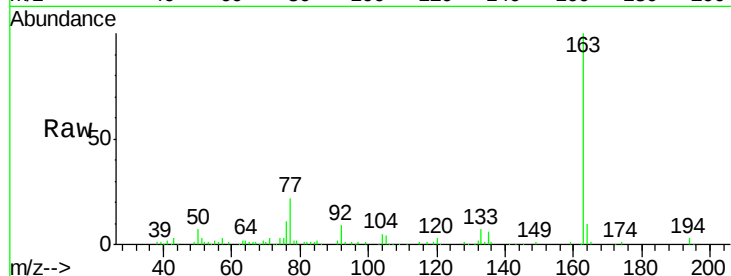
Tgt Ion:163 Resp: 97602

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

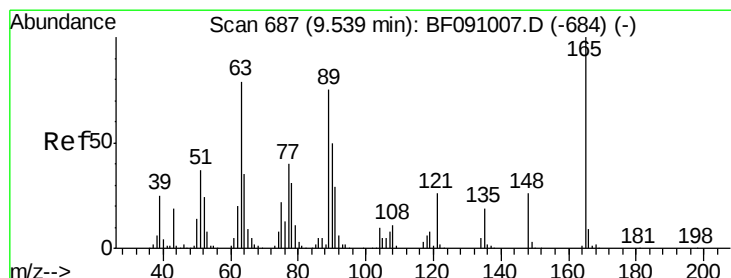
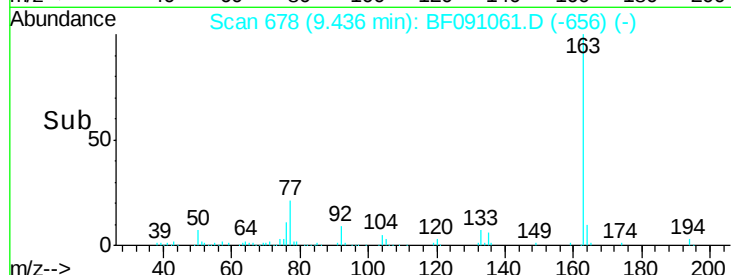
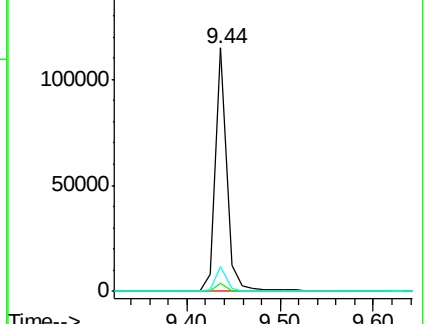
164 10.2 8.7 13.1



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: 9.37 ng

RT: 9.71 min Scan# 702

Delta R.T. 0.17 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

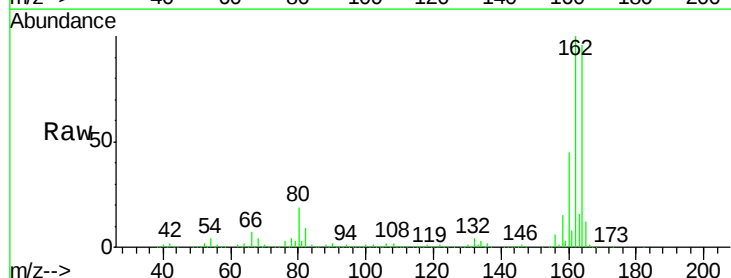
Tgt Ion:165 Resp: 53737

Ion Ratio Lower Upper

165 100

63 1.0 65.6 98.4#

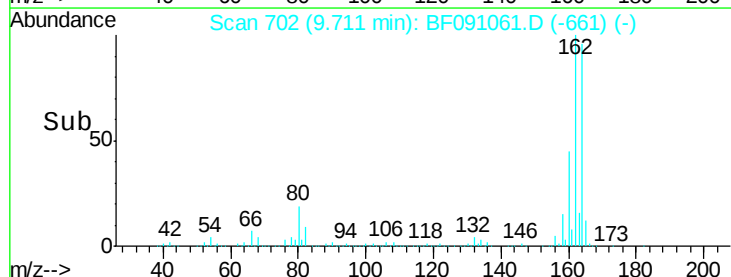
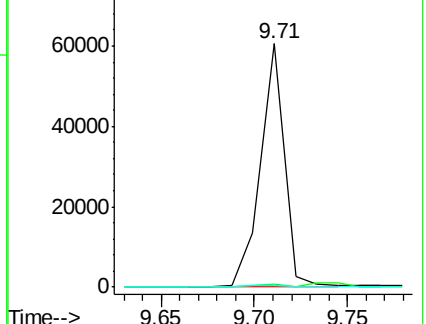
89 1.0 59.8 89.6#

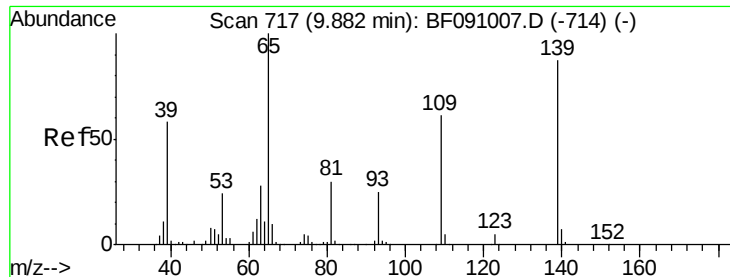


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 6.69 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.04 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

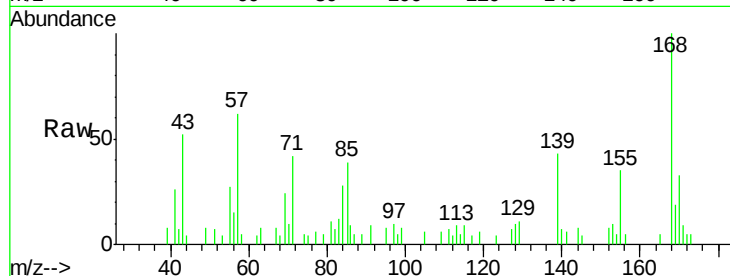
Tgt Ion:139 Resp: 4663

Ion Ratio Lower Upper

139 100

109 14.4 50.5 90.5#

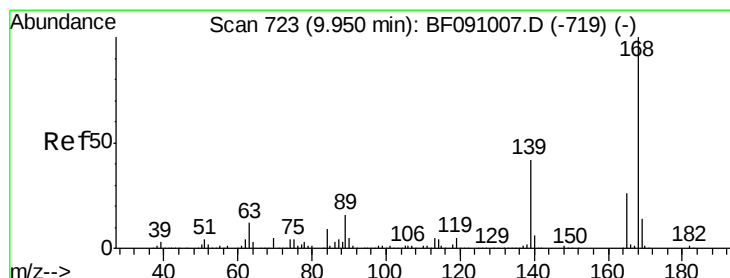
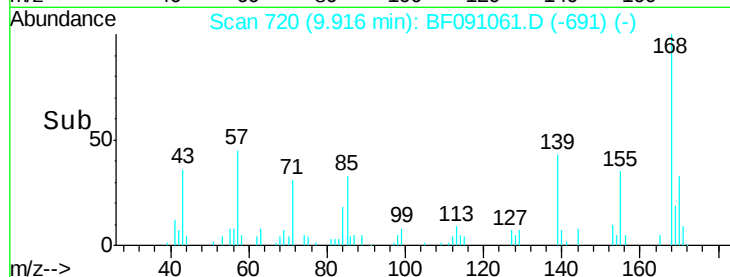
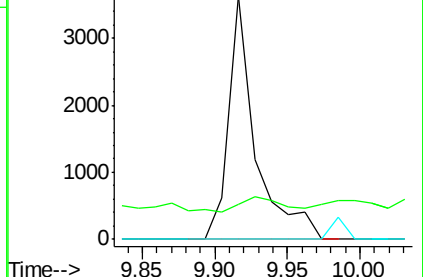
65 0.0 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.47 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Tgt Ion:165 Resp: 54501

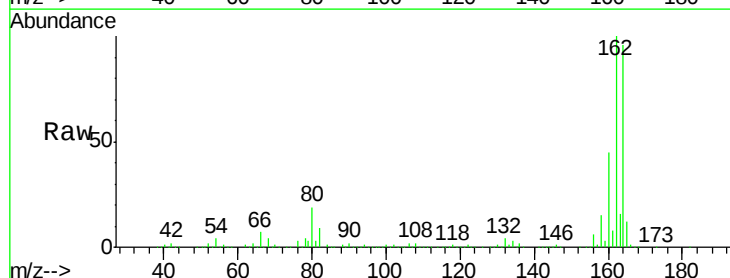
Ion Ratio Lower Upper

165 100

63 1.0 38.7 58.1#

89 1.0 50.6 76.0#

182 0.6 1.8 2.8#

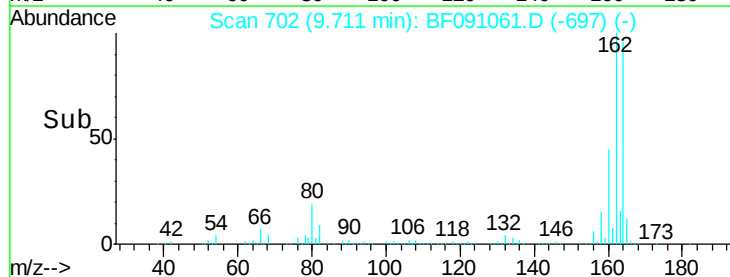
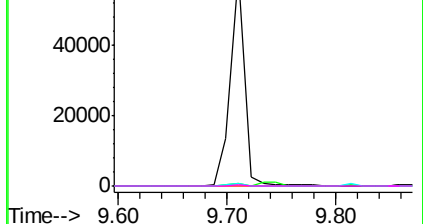


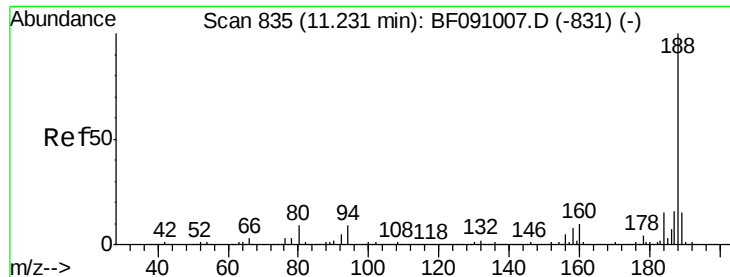
Abundance Ion 165.00 (164.70 to 165.70): E

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

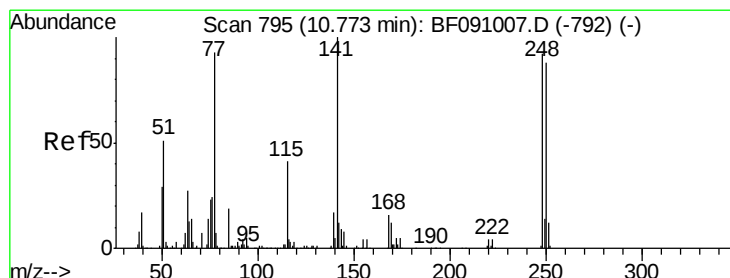
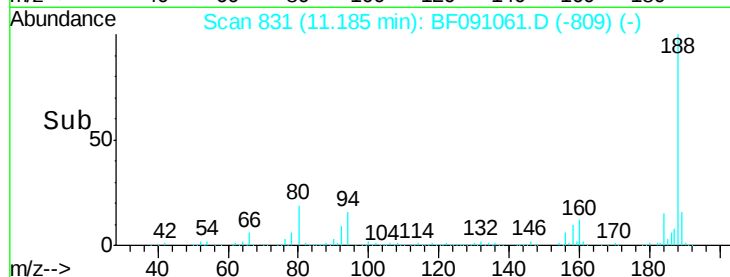
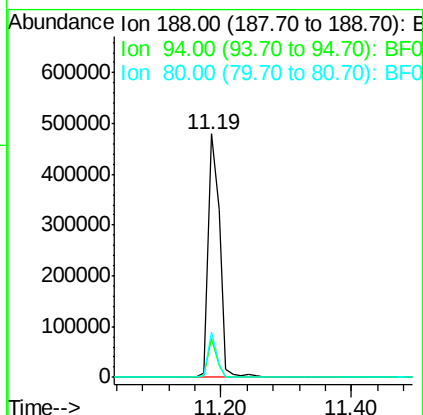
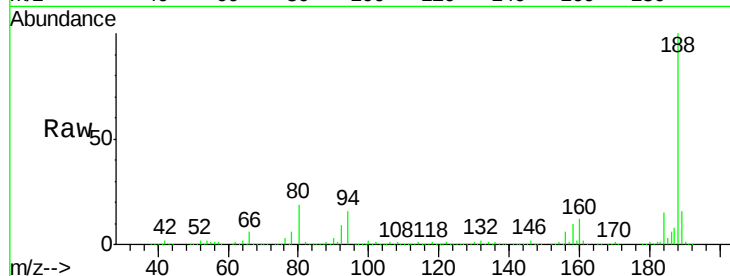




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 831
 Delta R.T. -0.05 min
 Lab File: BF091061.D
 Acq: 7 Nov 2016 17:38

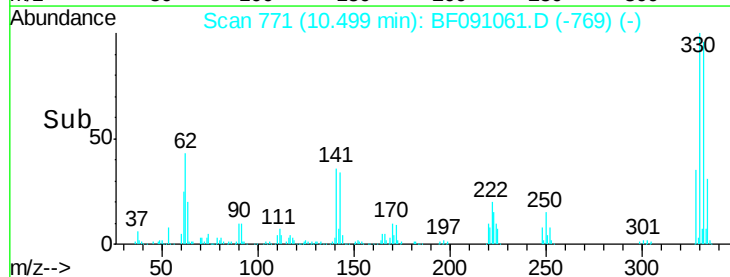
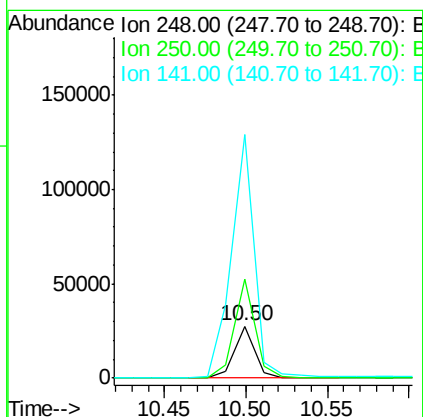
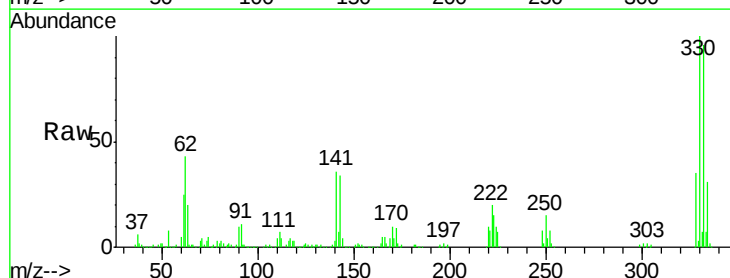
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF017-01

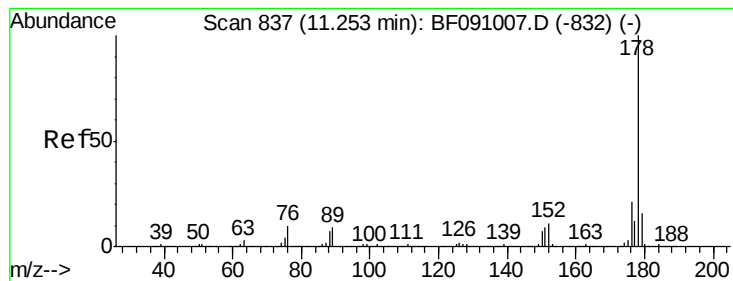
Tgt Ion:188 Resp: 594273
 Ion Ratio Lower Upper
 188 100
 94 16.2 7.0 10.4#
 80 18.8 7.5 11.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.86 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF091061.D
 Acq: 7 Nov 2016 17:38

Tgt Ion:248 Resp: 23878
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.3 114.5#
 141 471.7 86.8 130.2#





#70

Phenanthrene

Concen: 8.77 ng

RT: 11.21 min Scan# 833

Delta R.T. -0.05 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

Instrument :

BNA_F

ClientSampleId :

V001-BF017-01

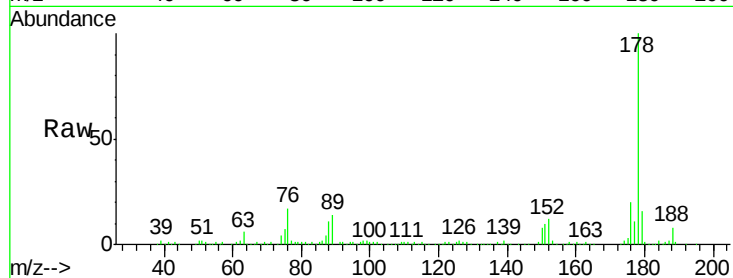
Tgt Ion:178 Resp: 277035

Ion Ratio Lower Upper

178 100

176 20.5 16.6 25.0

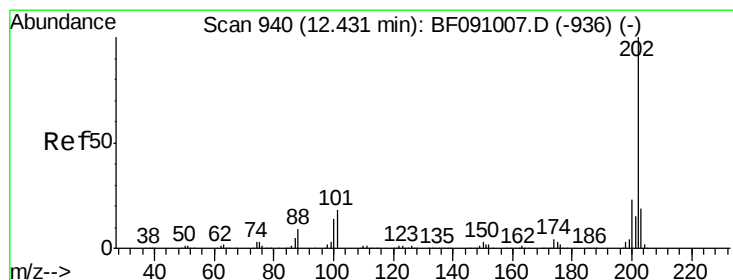
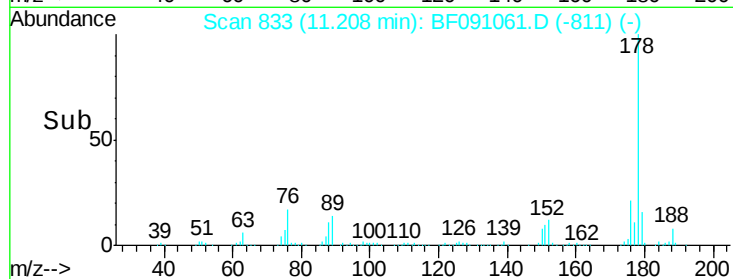
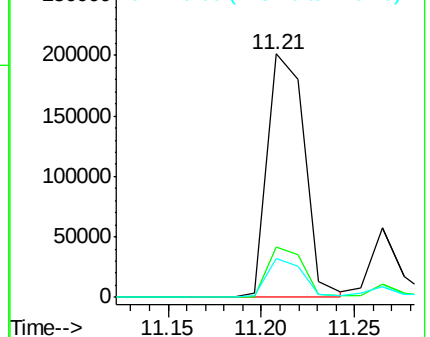
179 15.8 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.44 ng

RT: 12.40 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF091061.D

Acq: 7 Nov 2016 17:38

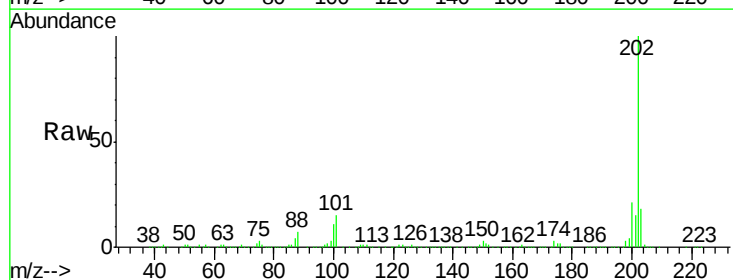
Tgt Ion:202 Resp: 440277

Ion Ratio Lower Upper

202 100

101 14.7 0.0 37.6

203 17.6 0.0 38.6



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

