

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122716\
 Data File : BF091965.D
 Acq On : 27 Dec 2016 14:03
 Operator : UM/SJ
 Sample : H6226-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Quant Time: Dec 27 23:55:45 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	275859	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	1214610	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	477428	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	861300	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	673409	20.00	ng	-0.02
86) Perylene-d12	15.29	264	195465	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	2197199	132.99	ng	0.02
7) Phenol-d6	6.41	99	2331235	115.57	ng	0.00
23) Nitrobenzene-d5	7.30	82	1752467	80.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	622826	157.63	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	3008401	137.00	ng	-0.01
78) Terphenyl-d14	12.84	244	2431980	87.59	ng	-0.01

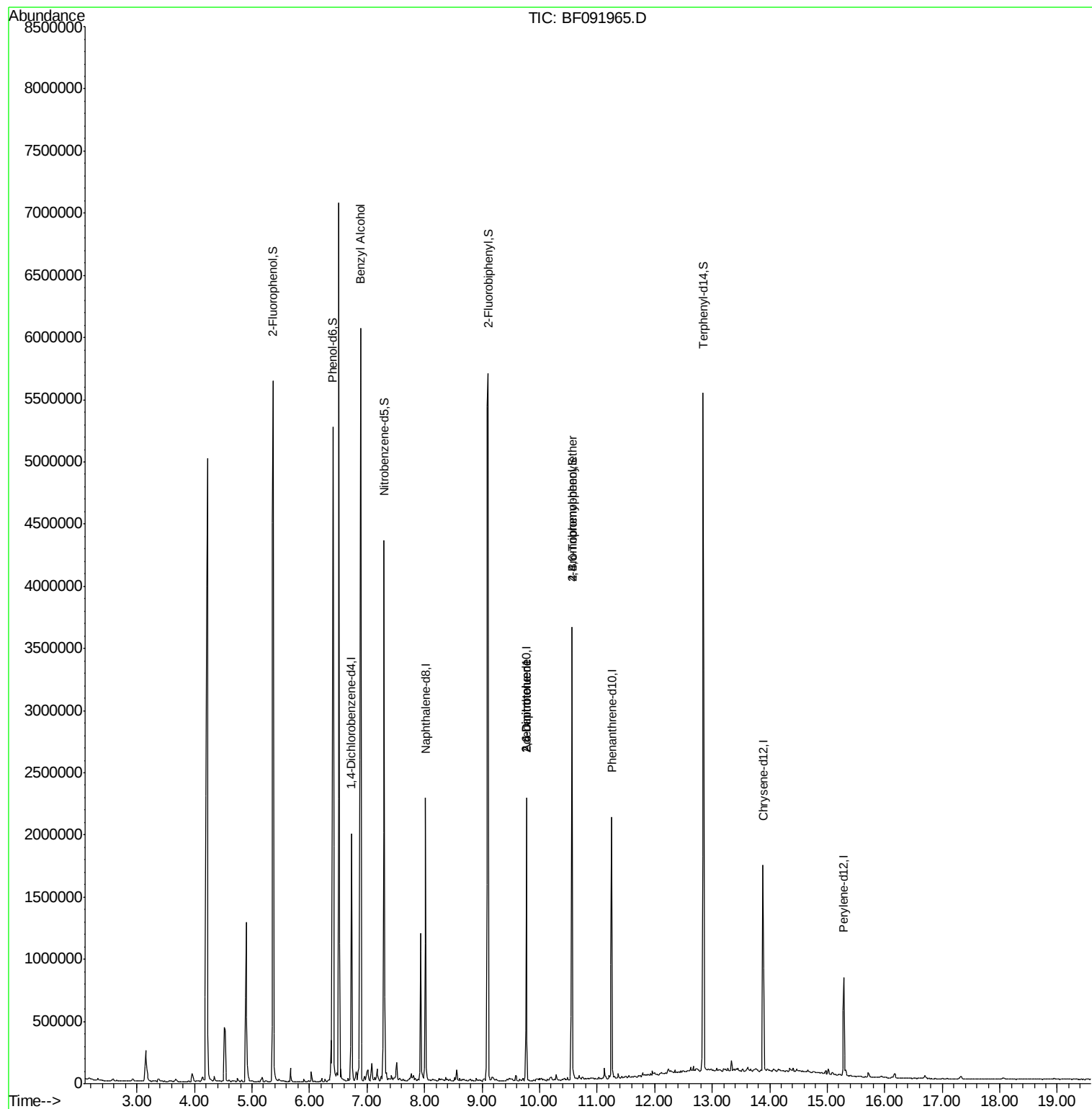
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.89	79	31885	2.03	ng	# 31
37) 2-Methylnaphthalene	8.73	142	2259	Below	Cal	87
50) 2,6-Dinitrotoluene	9.77	165	61221	9.16	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	61224	7.30	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	41874	4.67	ng	# 1
71) Anthracene	11.32	178	1679	Below	Cal	# 71
73) Di-n-butylphthalate	11.82	149	6491	Below	Cal	98
74) Fluoranthene	12.46	202	2084	Below	Cal	78
76) Benzidine	12.53	184	1397	Below	Cal	# 65

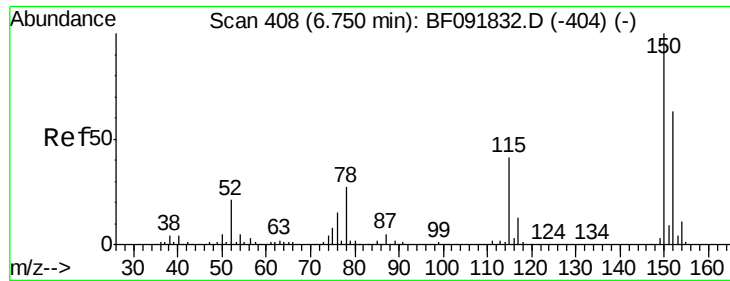
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

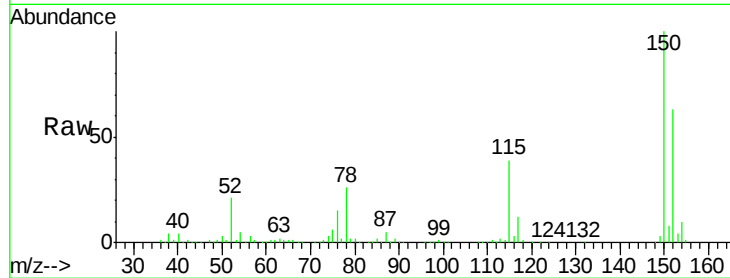
Tgt Ion:152 Resp: 275859

Ion Ratio Lower Upper

152 100

150 159.5 124.9 187.3

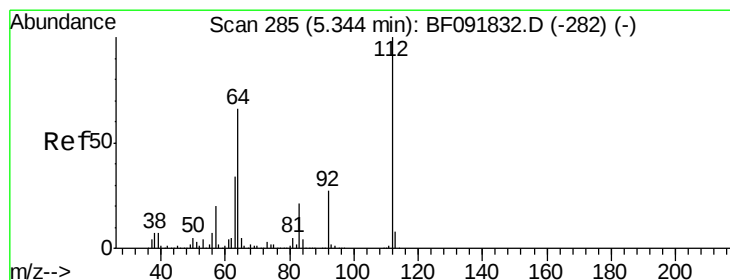
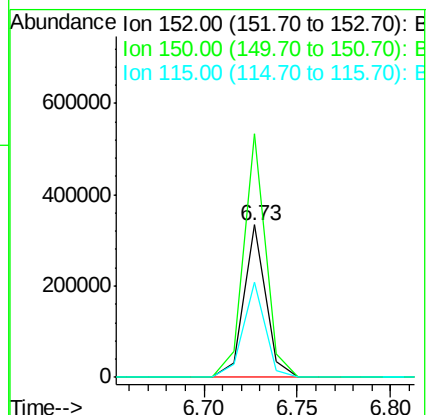
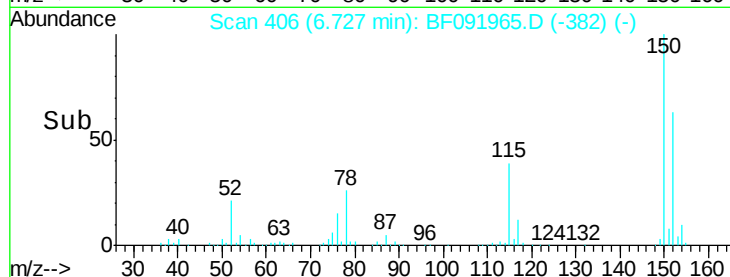
115 62.4 46.0 69.0



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: 132.99 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

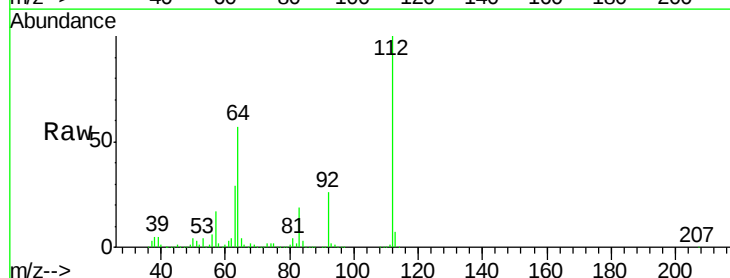
Tgt Ion:112 Resp: 2197199

Ion Ratio Lower Upper

112 100

64 56.5 46.1 69.1

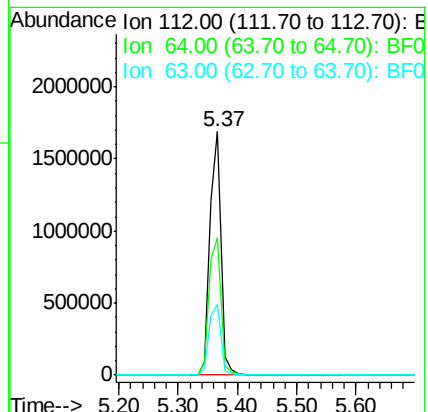
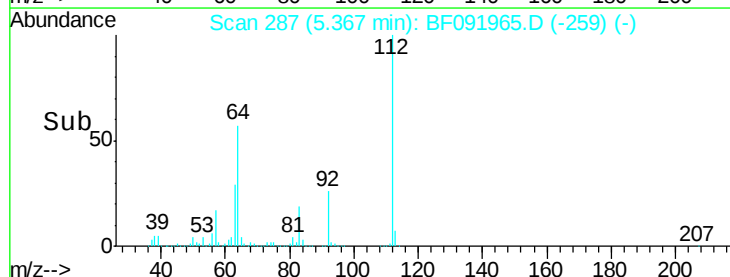
63 29.1 23.8 35.6

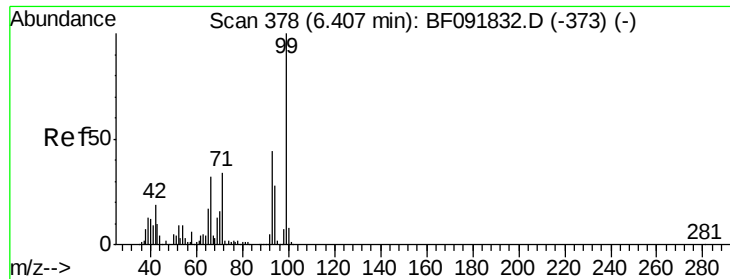


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.57 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

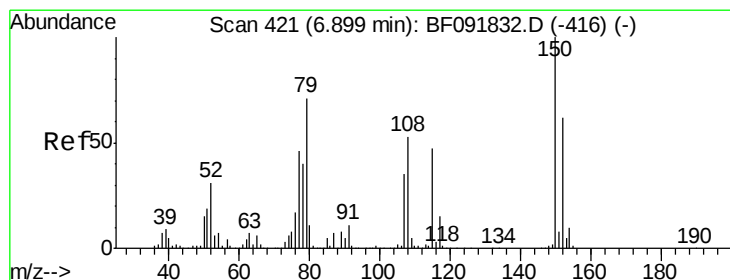
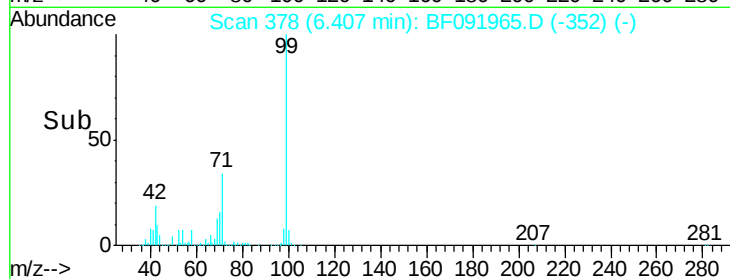
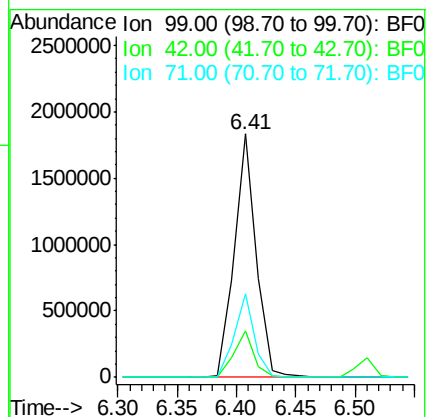
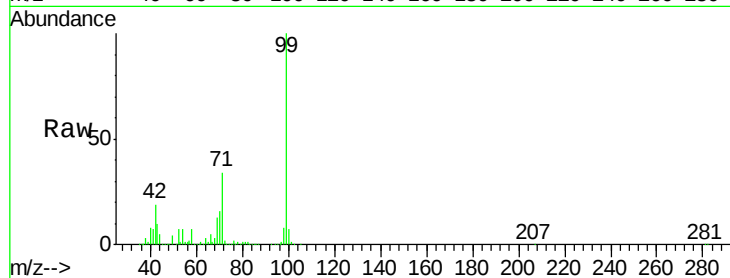
Tgt Ion: 99 Resp: 2331235

Ion Ratio Lower Upper

99 100

42 19.4 15.6 23.4

71 34.2 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

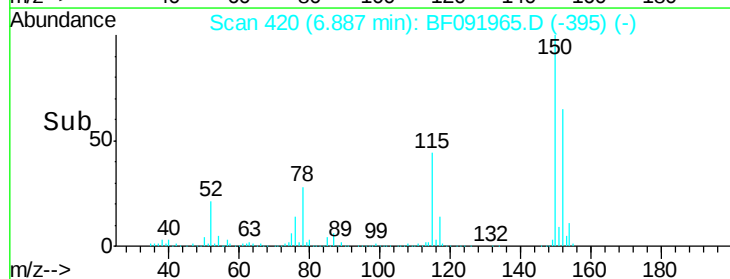
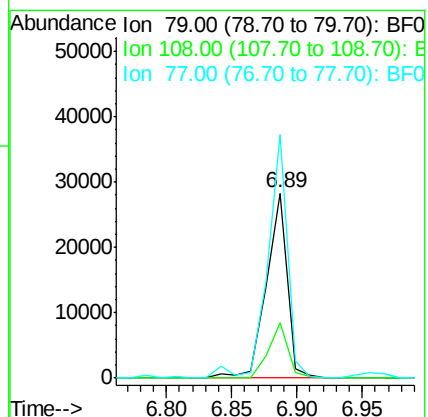
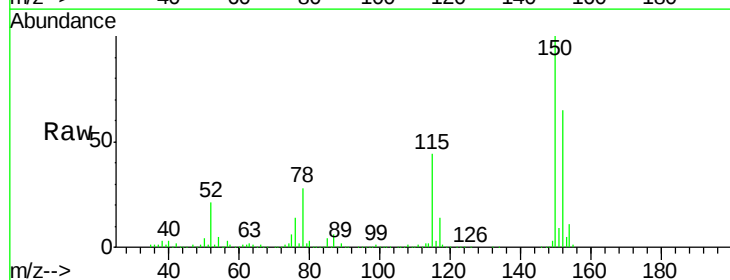
Tgt Ion: 79 Resp: 31885

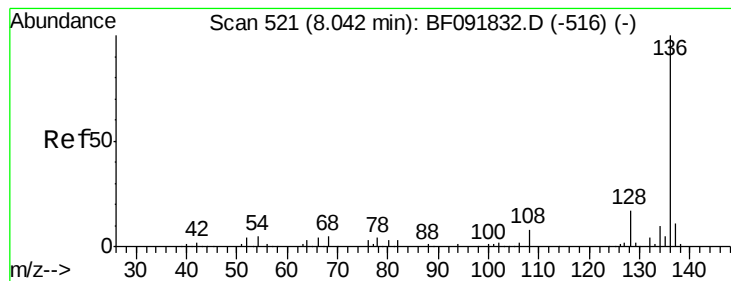
Ion Ratio Lower Upper

79 100

108 29.9 61.4 92.0#

77 131.4 50.9 76.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

Tgt Ion:136 Resp: 1214610

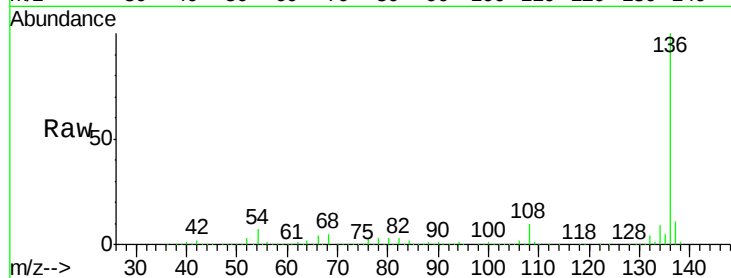
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.6 4.5 6.7

68 5.4 3.6 5.4#

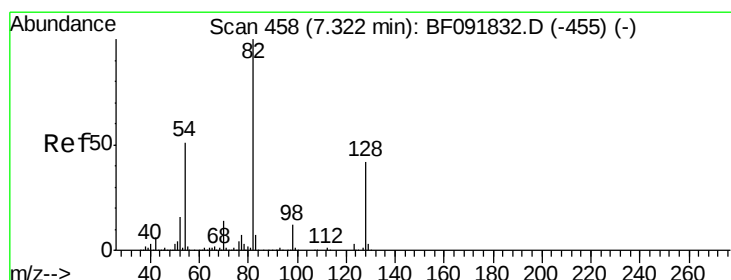
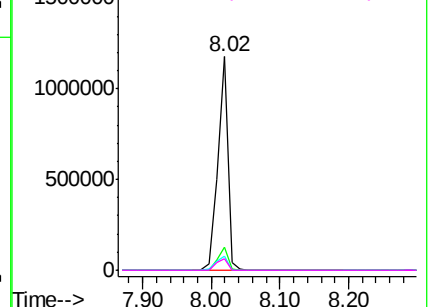
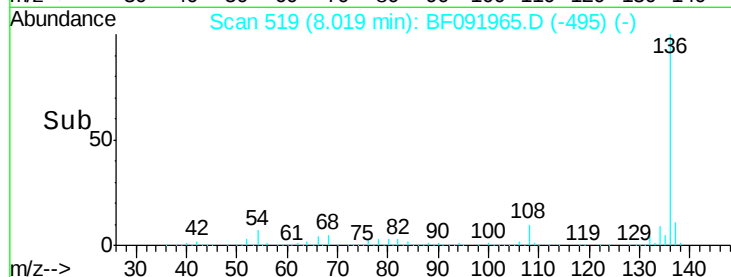


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.23 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

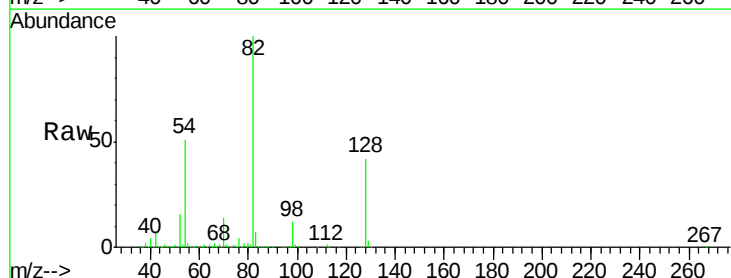
Tgt Ion: 82 Resp: 1752467

Ion Ratio Lower Upper

82 100

128 42.3 34.6 52.0

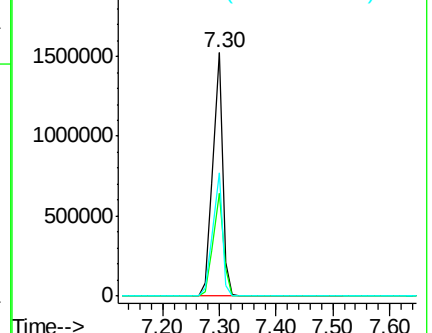
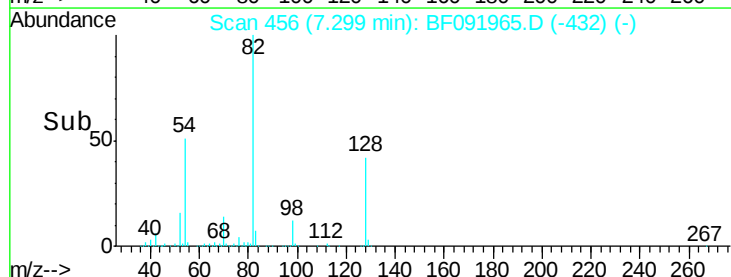
54 50.7 39.5 59.3

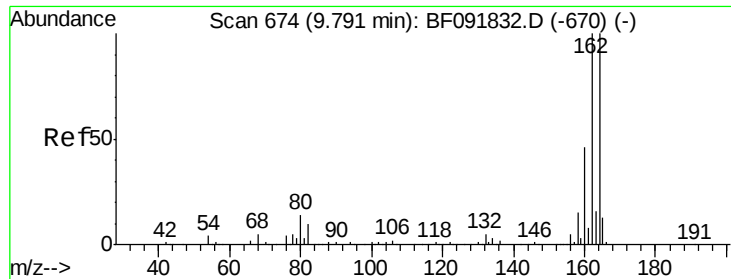


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

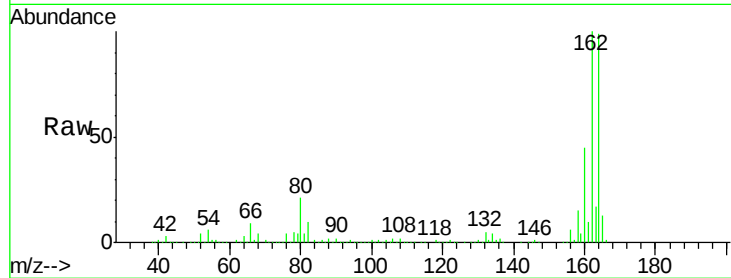
Tgt Ion:164 Resp: 477428

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

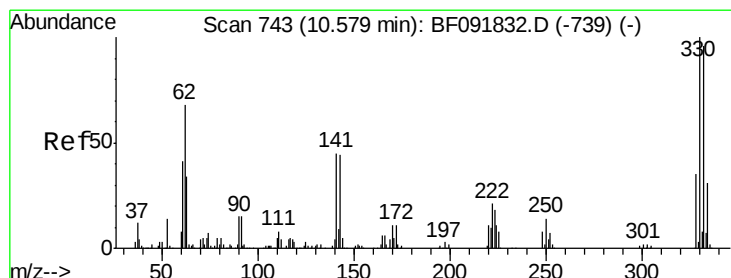
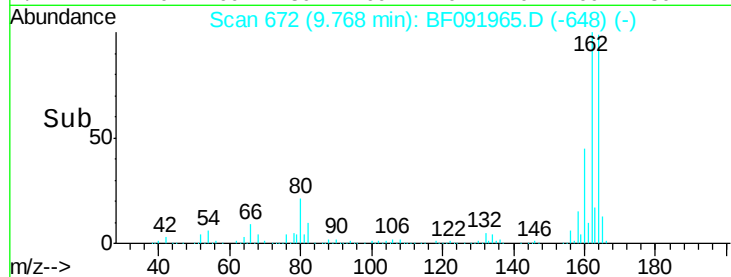
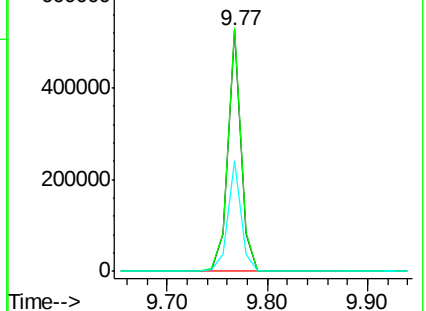
160 46.0 36.9 55.3



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: 157.63 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

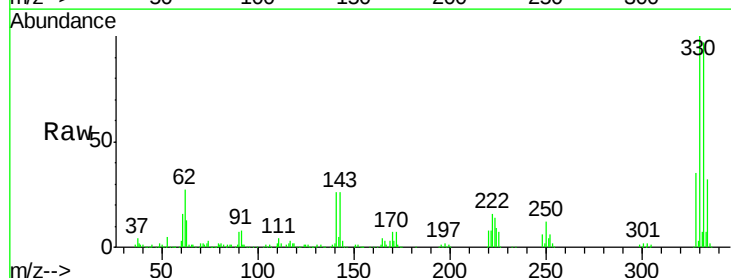
Tgt Ion:330 Resp: 622826

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

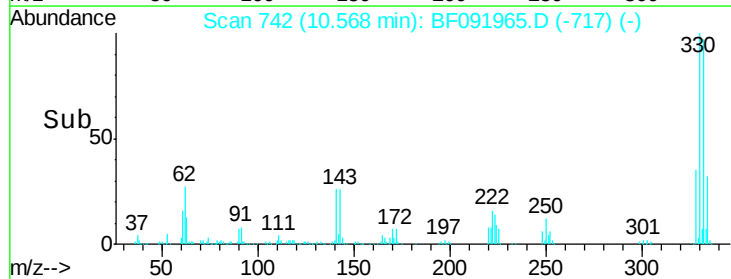
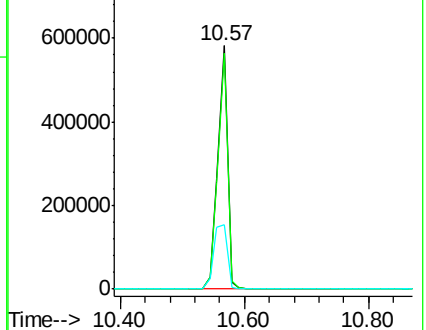
141 37.3 34.1 51.1

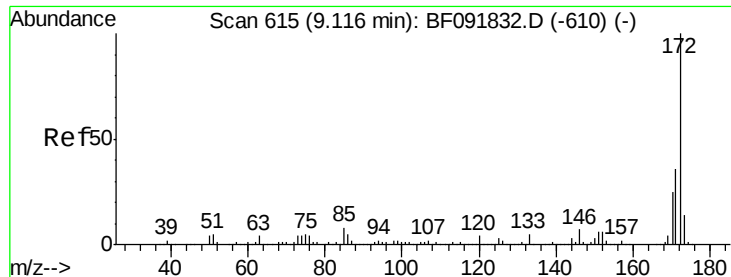


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

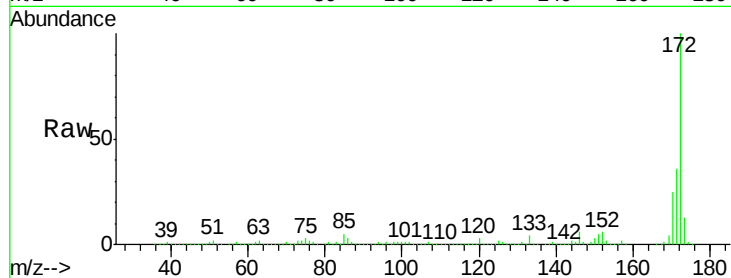




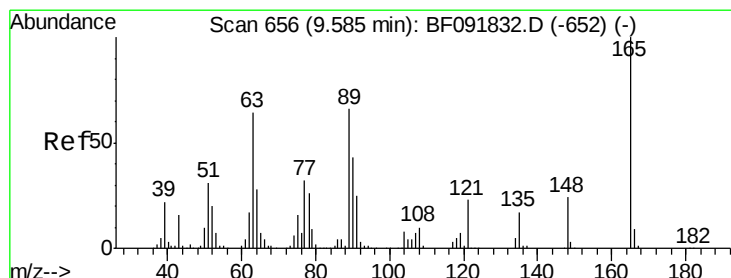
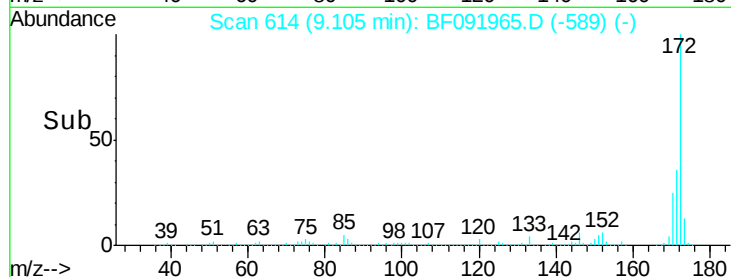
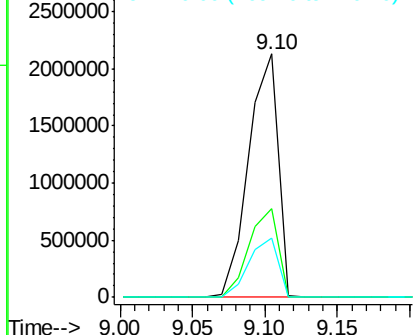
#44
 2-Fluorobiphenyl
 Concen: 137.00 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion:172 Resp: 3008401
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.6 20.2 30.4

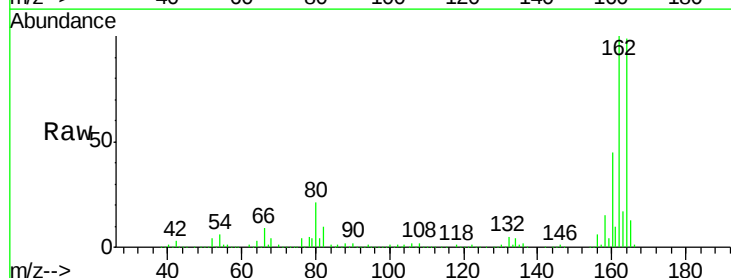


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

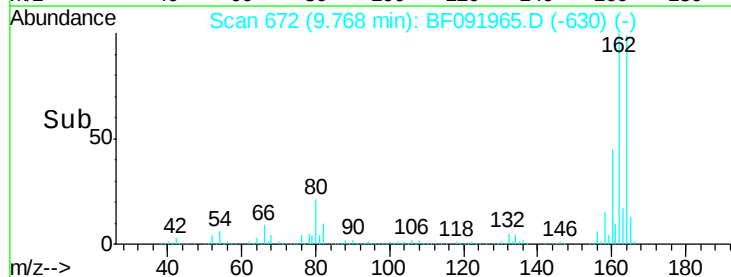
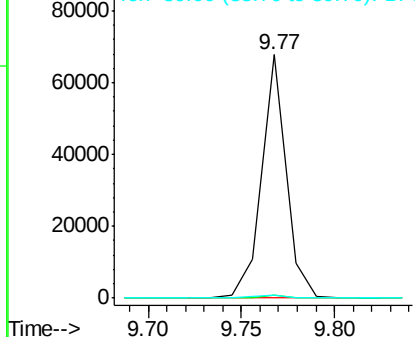


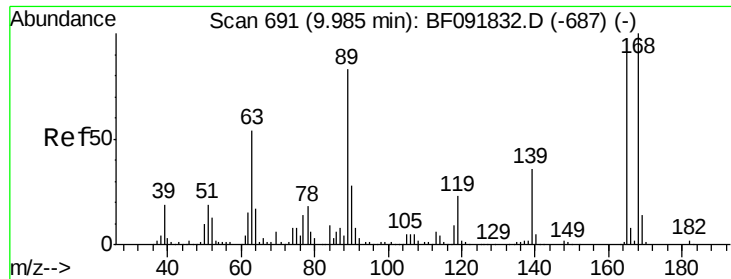
#50
 2,6-Dinitrotoluene
 Concen: 9.16 ng
 RT: 9.77 min Scan# 672
 Delta R.T. 0.18 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Tgt Ion:165 Resp: 61221
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.2 54.4#
 89 1.3 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

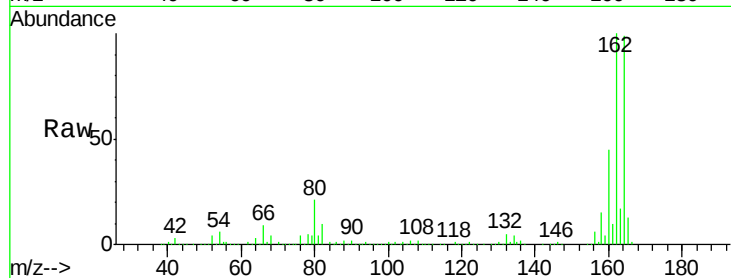




#56
 2,4-Dinitrotoluene
 Concen: 7.30 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.22 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#



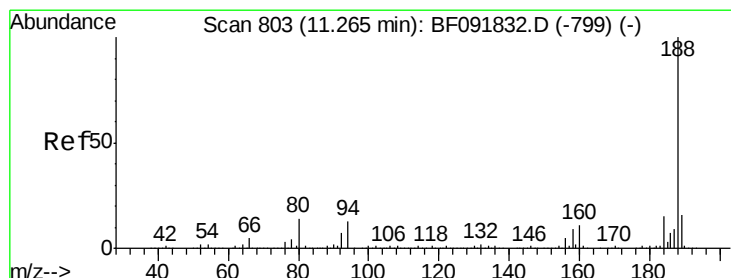
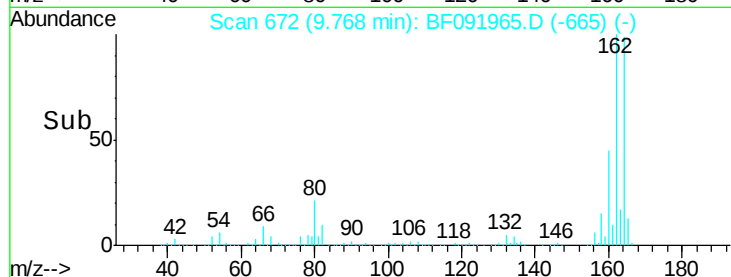
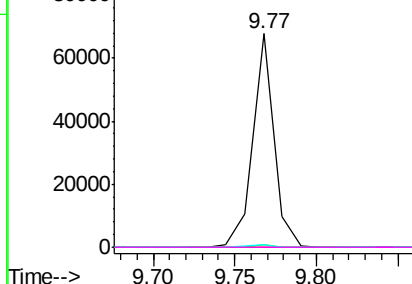
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

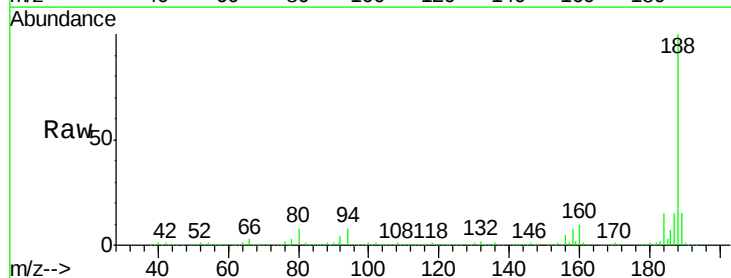
Ion 89.00 (88.70 to 89.70): BF0

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: BF091965.D
 Acq: 27 Dec 2016 14:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	10.0	15.0#
80	8.3	11.2	16.8#

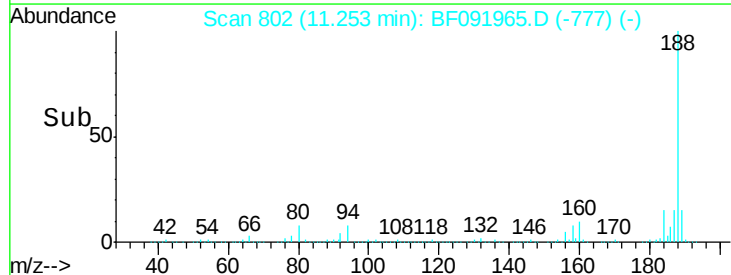
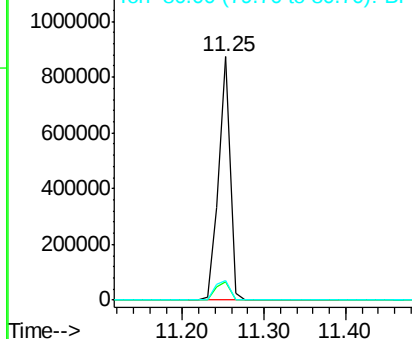


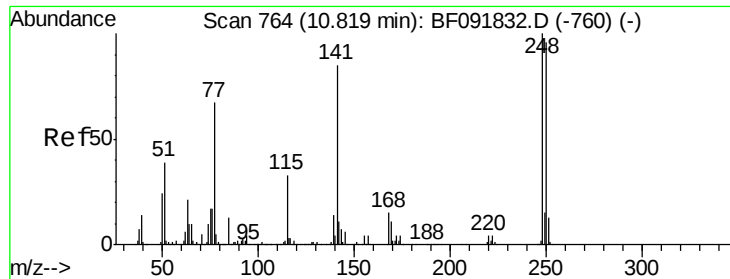
Abundance

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

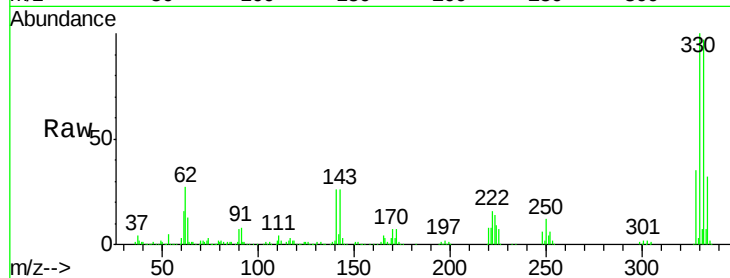




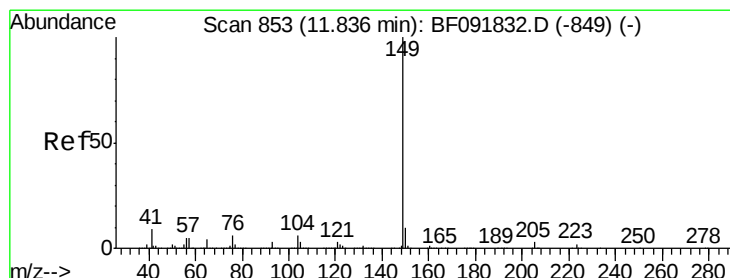
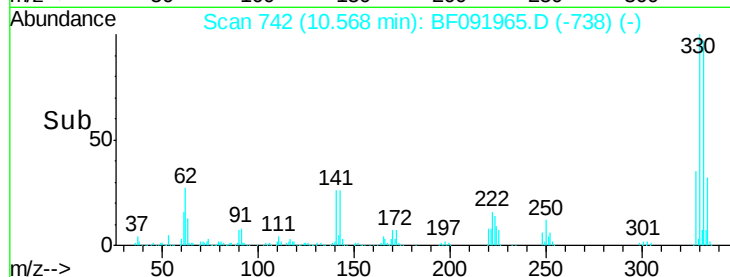
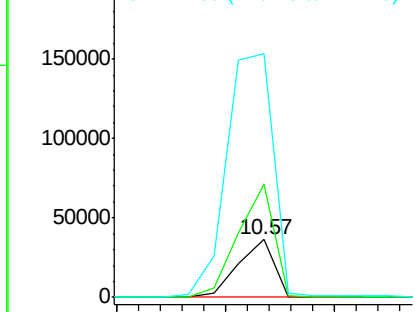
#66
 4-Bromophenyl-phenylether
 Concen: 4.67 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion:248 Resp: 41874
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 423.4 68.2 102.4#

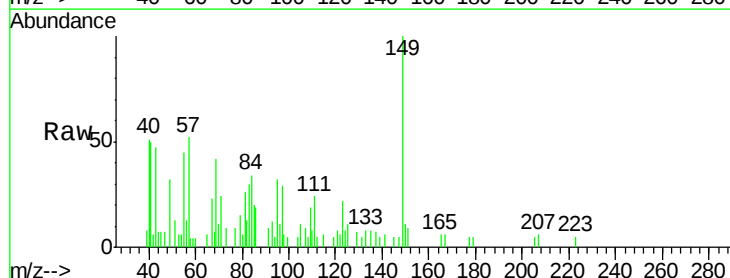


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

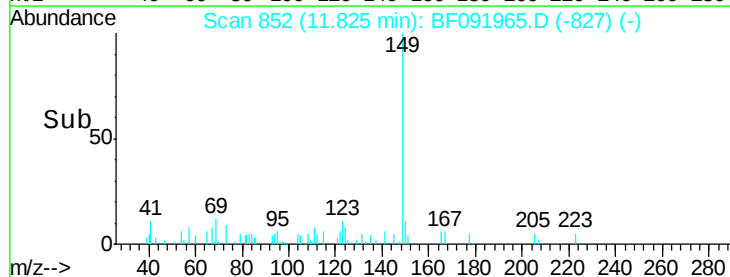
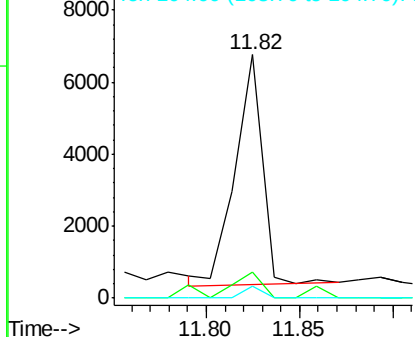


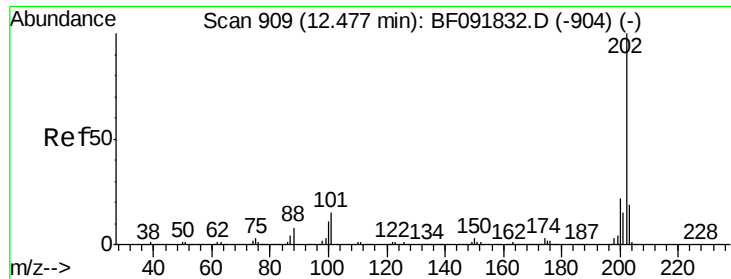
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.82 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Tgt Ion:149 Resp: 6491
 Ion Ratio Lower Upper
 149 100
 150 10.6 8.1 12.1
 104 4.8 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: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

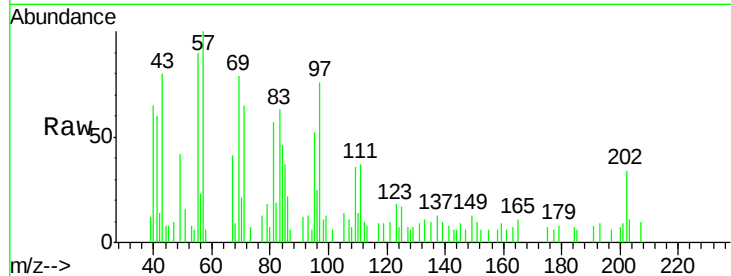
Tgt Ion:202 Resp: 2084

Ion Ratio Lower Upper

202 100

101 18.7 0.0 34.6

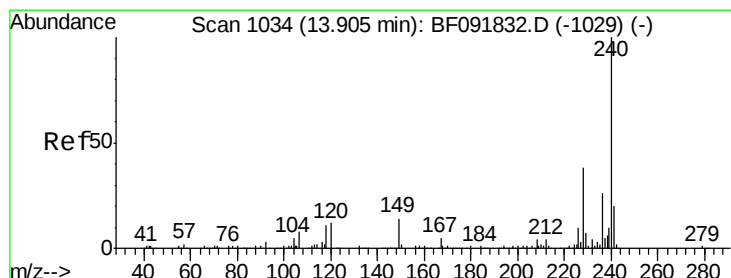
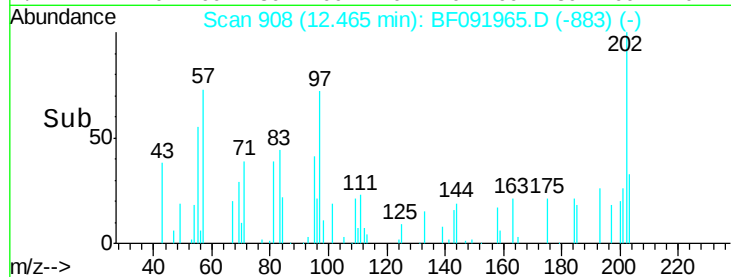
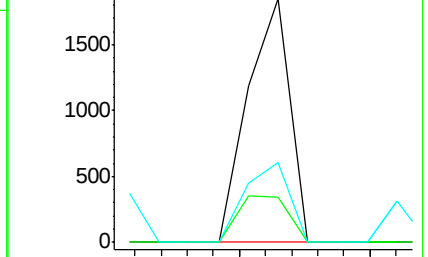
203 32.9 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091965.D

Acq: 27 Dec 2016 14:03

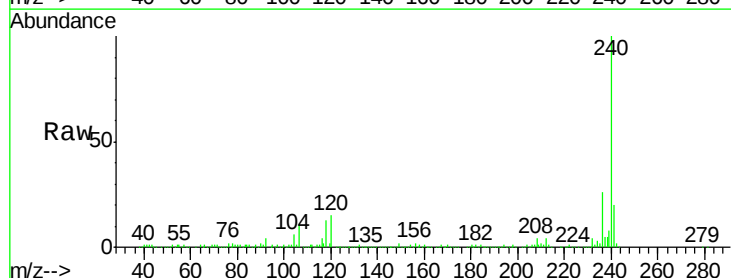
Tgt Ion:240 Resp: 673409

Ion Ratio Lower Upper

240 100

120 14.7 12.9 19.3

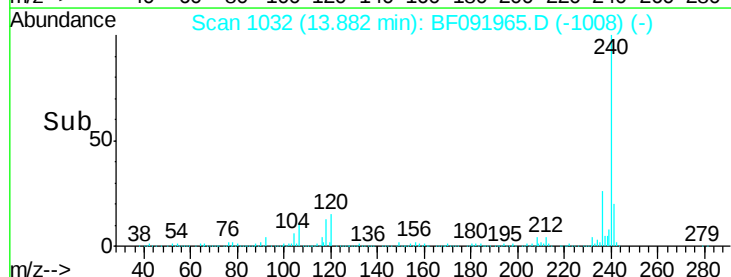
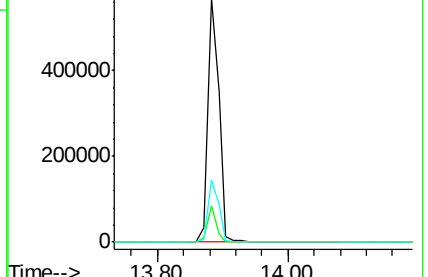
236 25.6 20.9 31.3

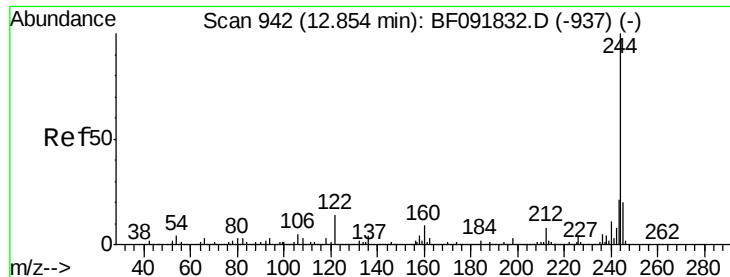


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

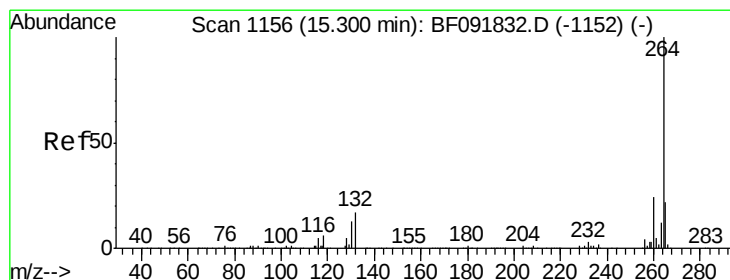
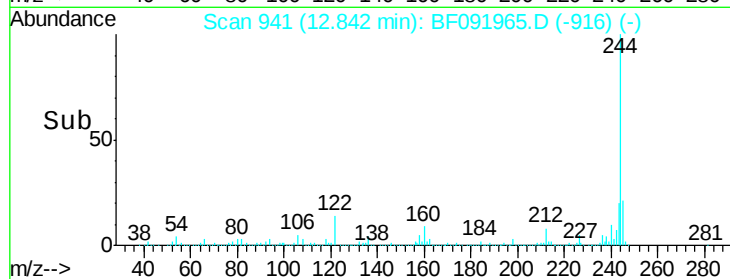
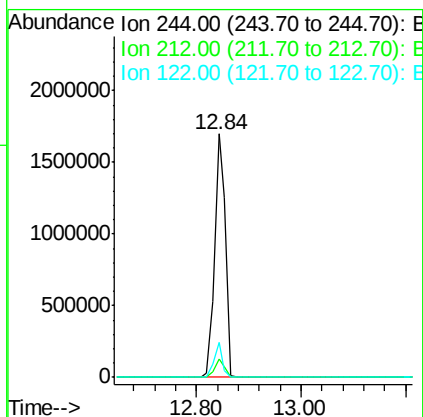
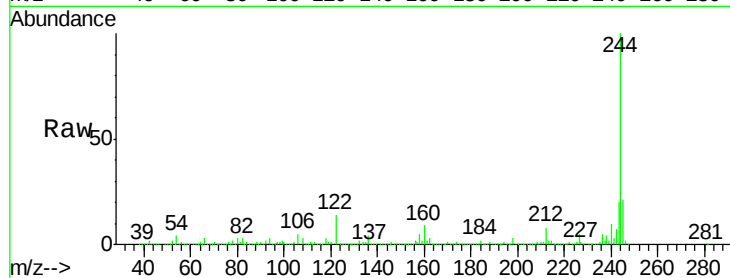




#78
 Terphenyl-d14
 Concen: 87.59 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion:244 Resp: 2431980
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 14.4 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091965.D
 Acq: 27 Dec 2016 14:03

Tgt Ion:264 Resp: 195465
 Ion Ratio Lower Upper
 264 100
 260 38.4 19.2 28.8#
 265 18.9 17.4 26.0

